

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF119007.D
 Acq On : 21 Feb 2020 22:13
 Operator : CG/JU
 Sample : L1613-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Manual Integrations
 APPROVED

mohammad
 2/24/2020 2:11:40 PM

Quant Time: Feb 24 03:11:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	171468	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	631241	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	315202	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	497535	20.00	ng	0.00
76) Chrysene-d12	13.91	240	356329	20.00	ng	0.00
87) Perylene-d12	15.33	264	348706	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	931660	90.80	ng	0.00
7) Phenol-d6	6.40	99	1132280	90.74	ng	0.00
23) Nitrobenzene-d5	7.32	82	731025	61.15	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	336343	81.57	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1387485	64.85	ng	0.00
79) Terphenyl-d14	12.85	244	1310087	63.30	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.53	88	147747	32.342	ng	99
3) Pyridine	3.26	79	378665	30.352	ng	99
4) n-Nitrosodimethylamine	3.19	42	143128	37.871	ng	96
6) Aniline	6.42	93	218282	14.177	ng	# 1
8) 2-Chlorophenol	6.55	128	449856	40.627	ng	99
9) Benzaldehyde	6.30	77	188404	22.598	ng	98
10) Phenol	6.42	94	516726	38.300	ng	91
11) bis(2-Chloroethyl)ether	6.49	93	402887	39.029	ng	99
12) 1,3-Dichlorobenzene	6.70	146	491757	37.054	ng	99
13) 1,4-Dichlorobenzene	6.77	146	499822	37.636	ng	100
14) 1,2-Dichlorobenzene	6.93	146	459668	37.952	ng	98
15) Benzyl Alcohol	6.90	79	363712	40.329	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.03	45	335300	37.496	ng	91
17) 2-Methylphenol	7.02	107	355990	39.654	ng	96
18) Hexachloroethane	7.27	117	160328	33.744	ng	98
19) n-Nitroso-di-n-propylamine	7.17	70	288240	39.641	ng	99
20) 3+4-Methylphenols	7.17	107	438282	39.849	ng	# 73
22) Acetophenone	7.16	105	579305	39.664	ng	# 93
24) Nitrobenzene	7.34	77	442613	37.438	ng	100
25) Isophorone	7.58	82	797761	38.423	ng	100
26) 2-Nitrophenol	7.66	139	233018	37.199	ng	99
27) 2,4-Dimethylphenol	7.70	122	367409	43.216	ng	96
28) bis(2-Chloroethoxy)methane	7.79	93	499000	36.923	ng	100
29) 2,4-Dichlorophenol	7.90	162	371878	37.156	ng	98
30) 1,2,4-Trichlorobenzene	7.98	180	425236	35.835	ng	99
31) Naphthalene	8.06	128	1227073	37.482	ng	99
32) Benzoic acid	7.84	122	200581	34.514	ng	99
33) 4-Chloroaniline	8.11	127	121209	8.608	ng	99
34) Hexachlorobutadiene	8.18	225	259525	35.111	ng	99
35) Caprolactam	8.48	113	117970m	38.280	ng	
36) 4-Chloro-3-methylphenol	8.60	107	371440	36.671	ng	97
37) 2-Methylnaphthalene	8.75	142	828822	37.620	ng	99
38) 1-Methylnaphthalene	8.85	142	770600	37.192	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	414519	39.005	ng	99

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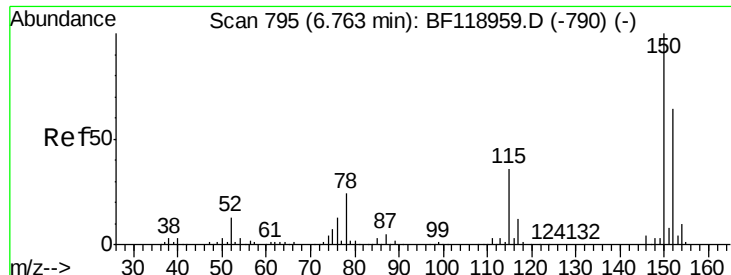
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.90	237	70264	25.425	ng	96
43) 2,4,6-Trichlorophenol	9.03	196	267311	39.831	ng	99
44) 2,4,5-Trichlorophenol	9.08	196	272249	38.659	ng	97
46) 1,1'-Biphenyl	9.22	154	986826	38.737	ng	100
47) 2-Chloronaphthalene	9.24	162	772497	37.630	ng	99
48) 2-Nitroaniline	9.33	65	208390	36.395	ng	96
49) Acenaphthylene	9.65	152	1155674	38.978	ng	99
50) Dimethylphthalate	9.52	163	1126658	46.744	ng	100
51) 2,6-Dinitrotoluene	9.58	165	203910	38.079	ng	89
52) Acenaphthene	9.83	154	661636	37.008	ng	99
53) 3-Nitroaniline	9.75	138	100214	16.881	ng	99
54) 2,4-Dinitrophenol	9.86	184	56925	27.304	ng	99
55) Dibenzofuran	10.00	168	1009599	37.834	ng	99
56) 4-Nitrophenol	9.92	139	259192	72.667	ng	96
57) 2,4-Dinitrotoluene	9.99	165	248703	35.831	ng	98
58) Fluorene	10.34	166	766310	36.956	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.12	232	211536	35.598	ng	98
60) Diethylphthalate	10.22	149	900276	39.635	ng	99
61) 4-Chlorophenyl-phenylether	10.33	204	420114	38.276	ng	100
62) 4-Nitroaniline	10.36	138	151205	24.895	ng	96
63) Azobenzene	10.49	77	726908	36.818	ng	96
65) 4,6-Dinitro-2-methylphenol	10.40	198	59035	19.609	ng	99
66) n-Nitrosodiphenylamine	10.45	169	702850	43.143	ng	99
67) 4-Bromophenyl-phenylether	10.82	248	265258	40.787	ng	98
68) Hexachlorobenzene	10.89	284	274659	36.630	ng	97
69) Atrazine	10.97	200	240416	42.238	ng	98
70) Pentachlorophenol	11.09	266	242241	80.201	ng	99
71) Phenanthrene	11.30	178	1042055	38.405	ng	99
72) Anthracene	11.35	178	1063636	39.233	ng	99
73) Carbazole	11.50	167	904872	37.466	ng	99
74) Di-n-butylphthalate	11.83	149	1233093	42.159	ng	99
75) Fluoranthene	12.49	202	1033084	35.870	ng	98
77) Benzidine	12.60	184	665327	45.911	ng	97
78) Pyrene	12.71	202	1032712	36.093	ng	99
80) Butylbenzylphthalate	13.33	149	448399	37.235	ng	95
81) Benzo(a)anthracene	13.90	228	931961	38.385	ng	99
82) 3,3'-Dichlorobenzidine	13.86	252	353684	37.516	ng	99
83) Chrysene	13.93	228	916625	37.890	ng	99
84) Bis(2-ethylhexyl)phthalate	13.89	149	629757	41.394	ng	99
85) Di-n-octyl phthalate	14.50	149	1064203	43.903	ng	100
86) Indeno(1,2,3-cd)pyrene	16.74	276	760800	32.479	ng	99
88) Benzo(b)fluoranthene	14.93	252	878209	38.208	ng	99
89) Benzo(k)fluoranthene	14.96	252	880846	41.353	ng	100
90) Benzo(a)pyrene	15.27	252	755009	36.396	ng	99
91) Dibenzo(a,h)anthracene	16.75	278	650838	35.657	ng	98
92) Benzo(g,h,i)perylene	17.16	276	597473	33.129	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

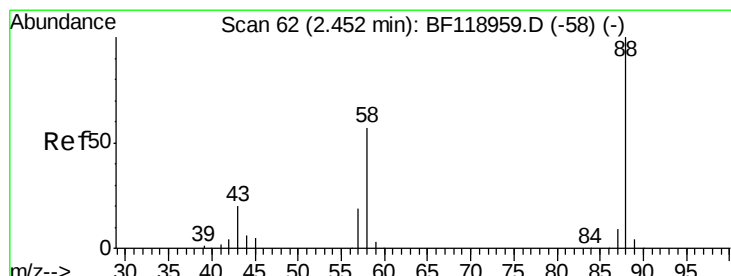
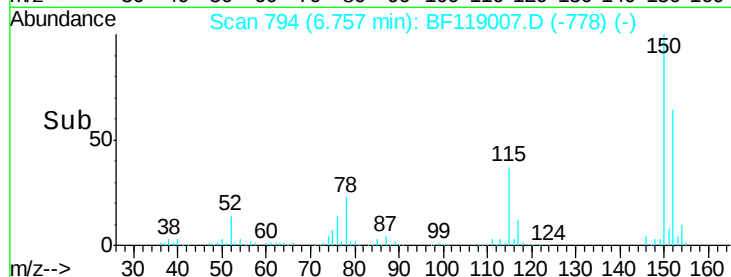
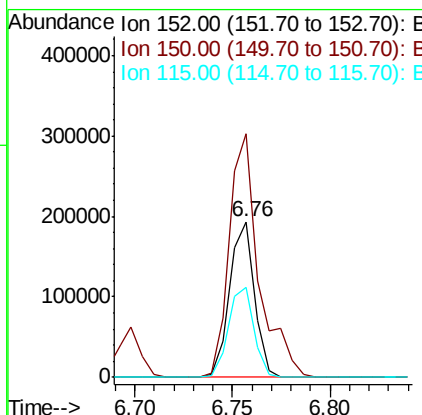
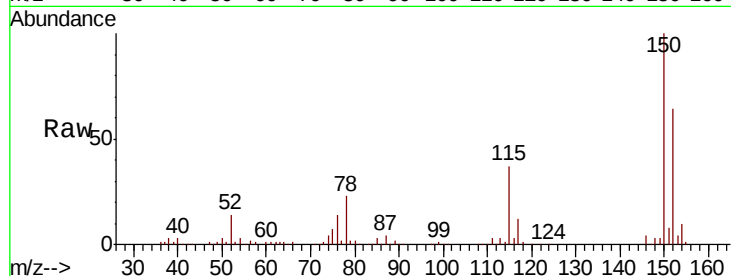
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.3	186.5
115	58.1	44.6	67.0

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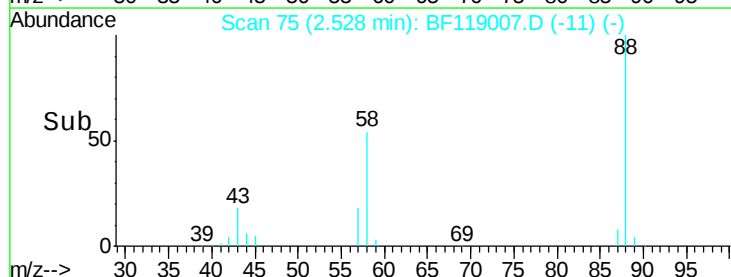
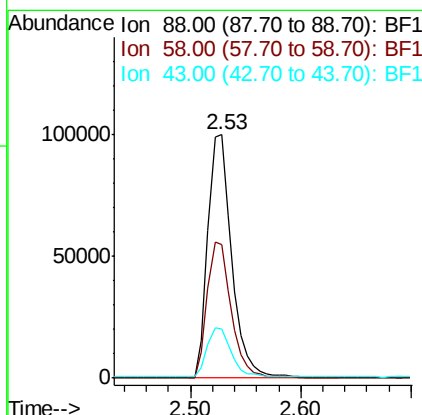
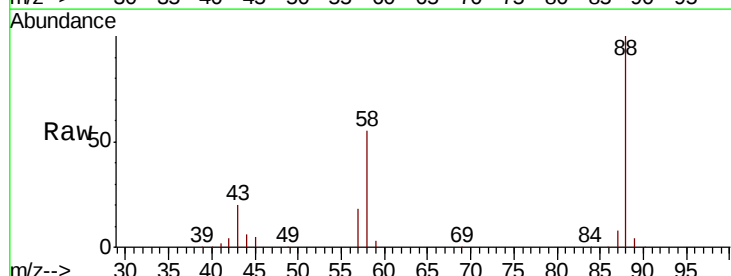
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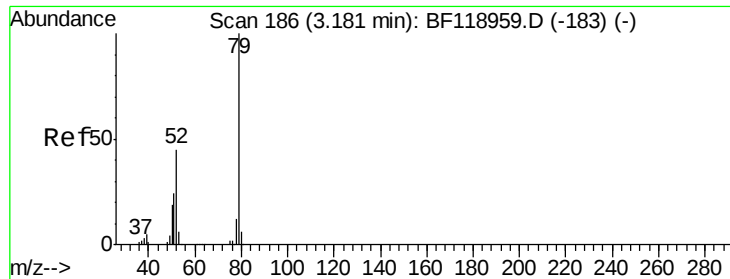


#2

1,4-Dioxane
Concen: 32.342 ng
RT: 2.53 min Scan# 75
Delta R.T. 0.08 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.7	44.6	66.8
43	20.6	16.0	24.0





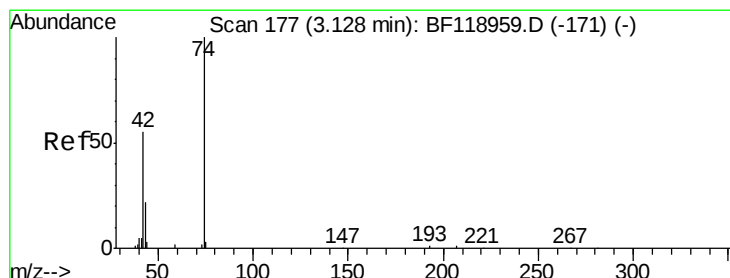
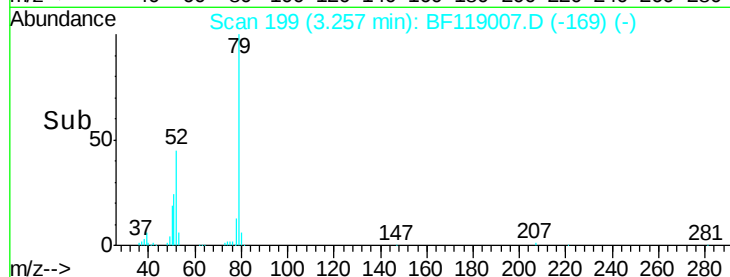
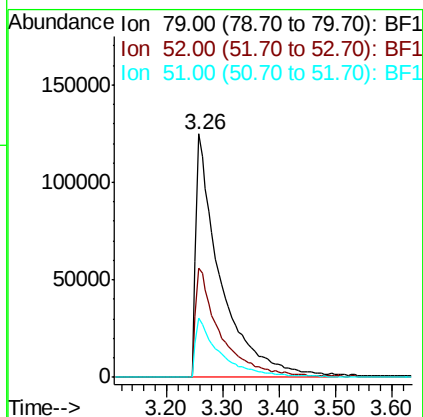
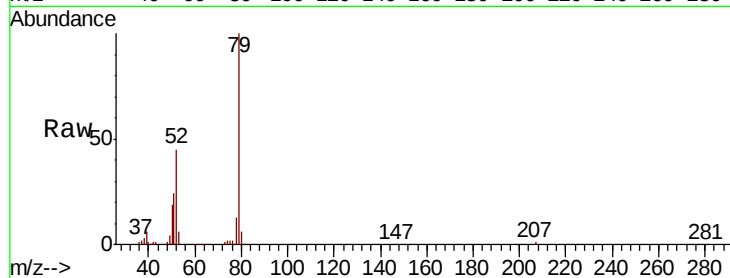
#3
 Pvridine
 Concen: 30.352 ng
 RT: 3.26 min Scan# 199
 Delta R.T. 0.08 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	44.9	36.3	54.5
51	24.3	19.5	29.3

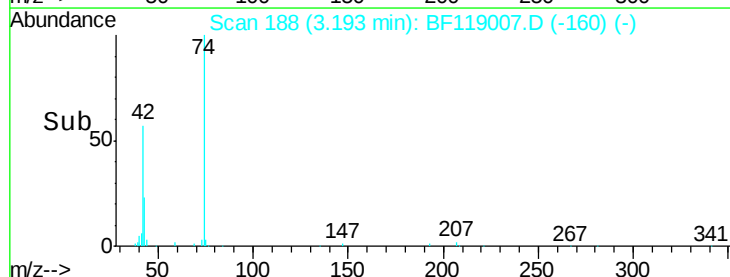
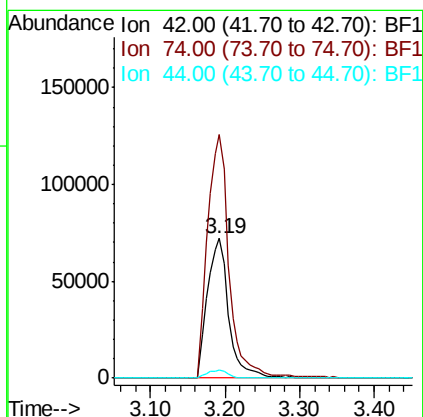
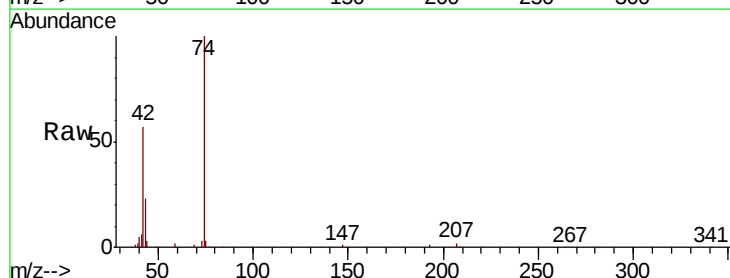
Manual Integrations
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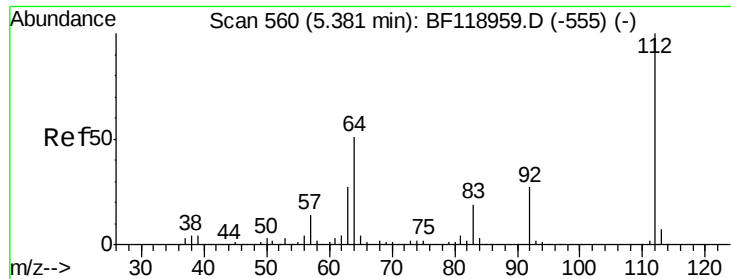
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#4
 n-Nitrosodimethylamine
 Concen: 37.871 ng
 RT: 3.19 min Scan# 188
 Delta R.T. 0.06 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	174.1	144.4	216.6
44	5.6	4.5	6.7





#5

2-Fluorophenol

Concen: 90.802 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

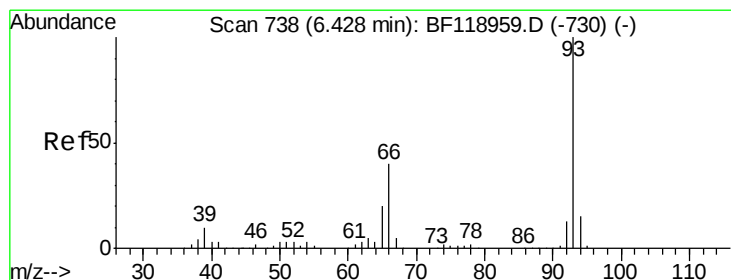
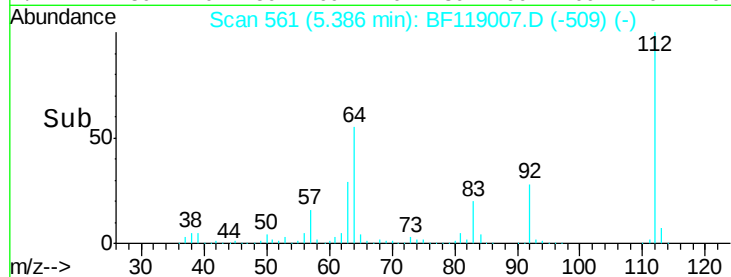
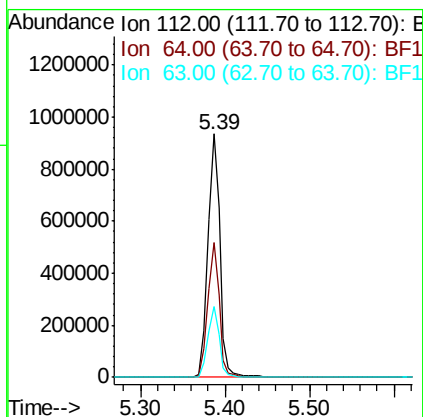
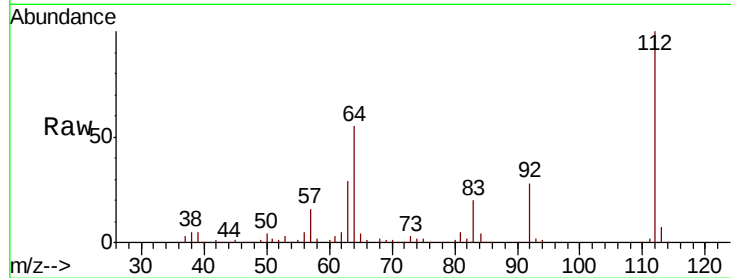
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:	112	Resp:	931660
Ion Ratio	Lower	Upper	
112	100		
64	55.5	40.4	60.6
63	29.1	21.3	31.9

Manual Integrations
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#6

Aniline

Concen: 14.177 ng

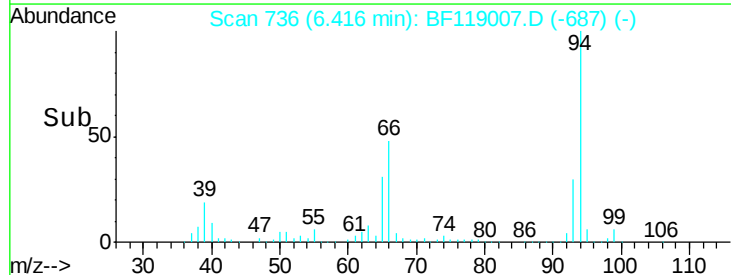
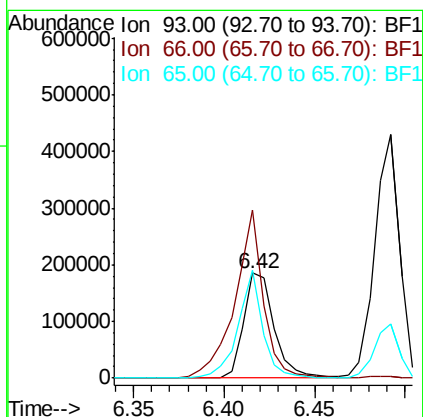
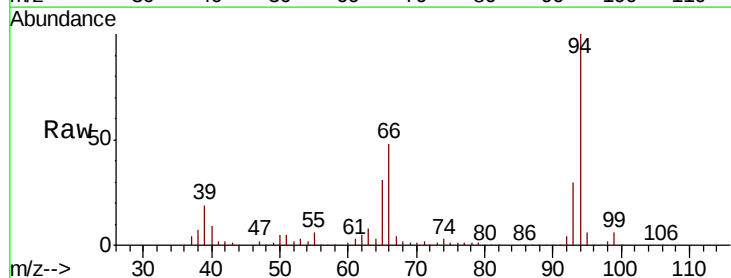
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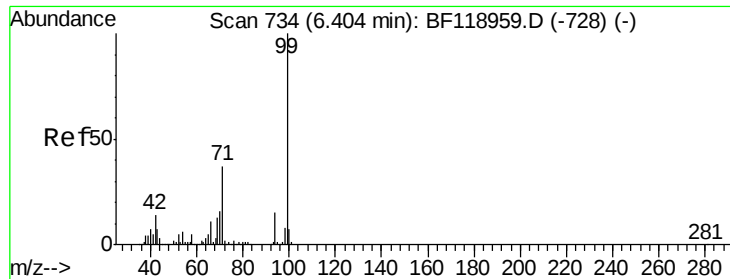
Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion:	93	Resp:	218282
Ion Ratio	Lower	Upper	
93	100		
66	159.9	32.2	48.2#
65	102.9	16.1	24.1#





#7

Phenol-d6

Concen: 90.739 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion: 99 Resp: 1132280

Ion Ratio Lower Upper

99 100

42 14.3 11.4 17.0

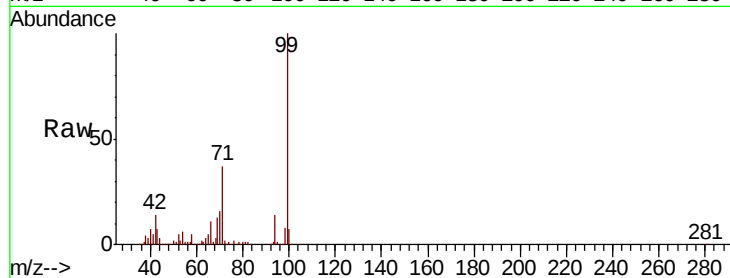
71 36.9 29.8 44.6

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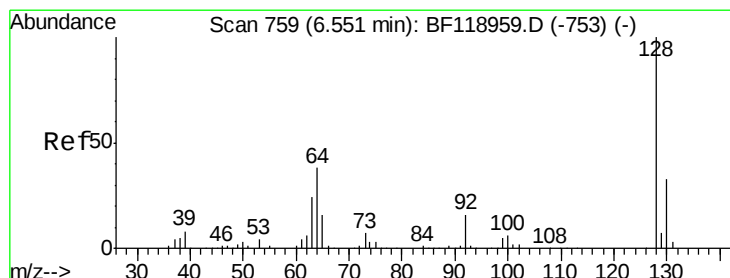
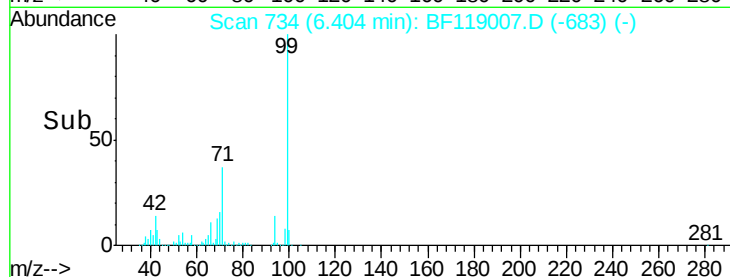
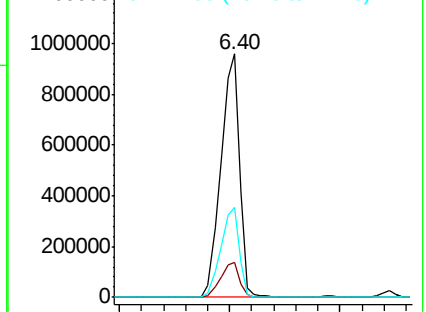
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.627 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

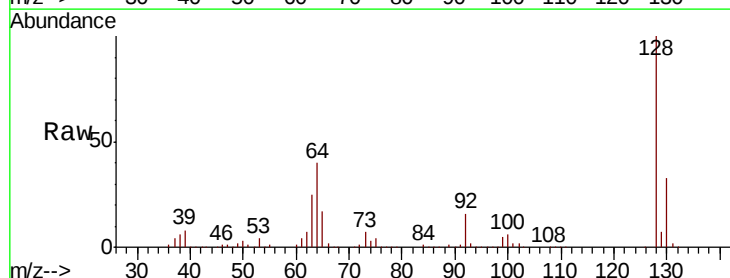
Tgt Ion: 128 Resp: 449856

Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

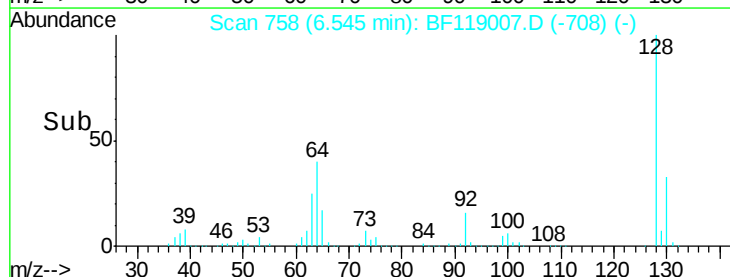
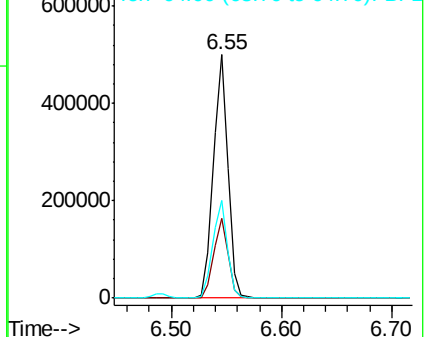
64 40.2 18.7 58.7

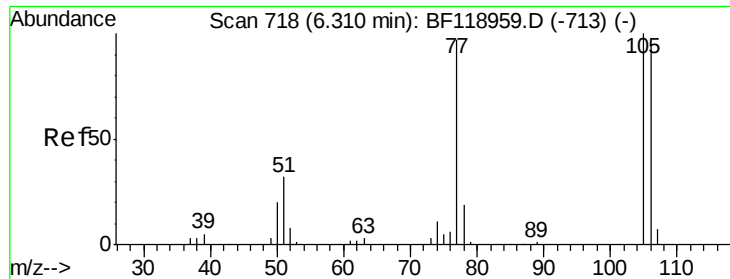


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 22.598 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

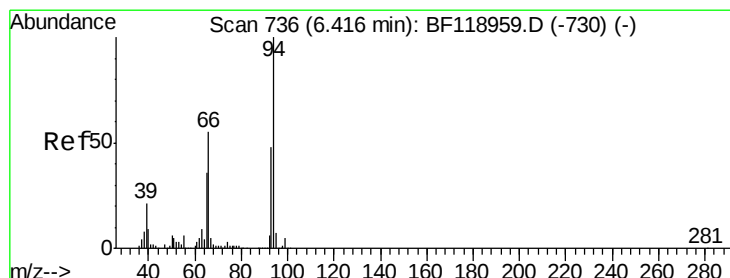
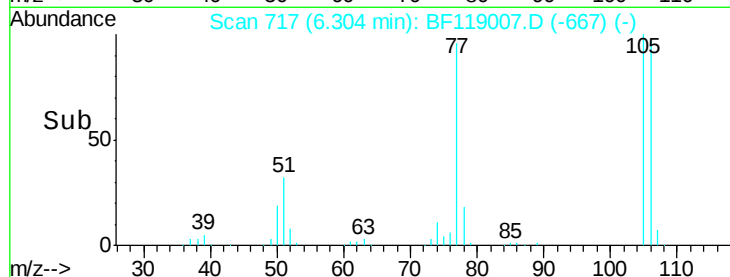
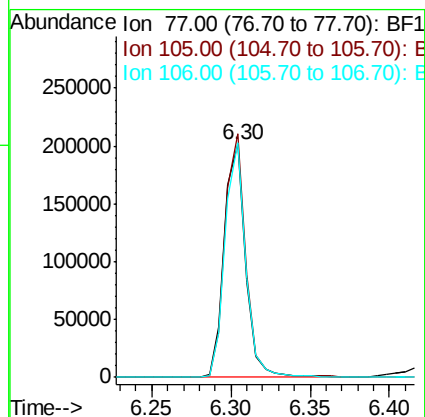
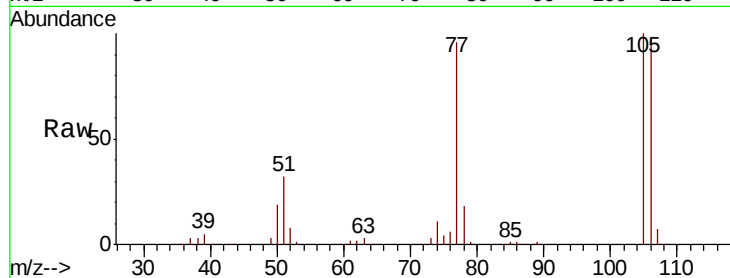
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:	77	Resp:	188404
Ion	Ratio	Lower	Upper
77	100		
105	104.5	83.0	123.0
106	100.8	78.3	118.3

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#10

Phenol

Concen: 38.300 ng

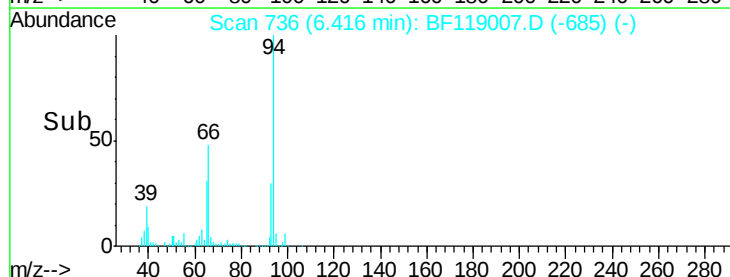
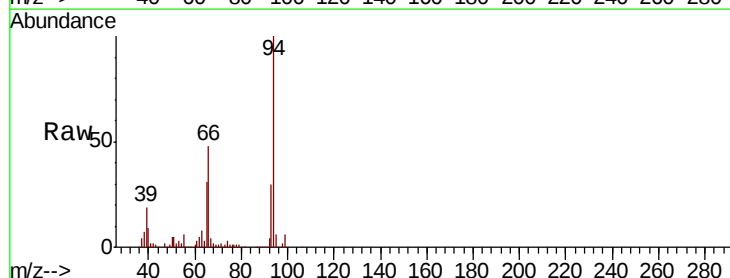
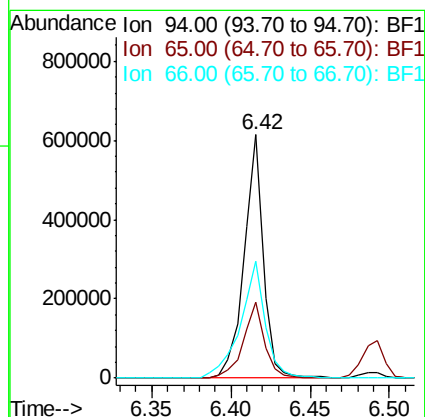
RT: 6.42 min Scan# 736

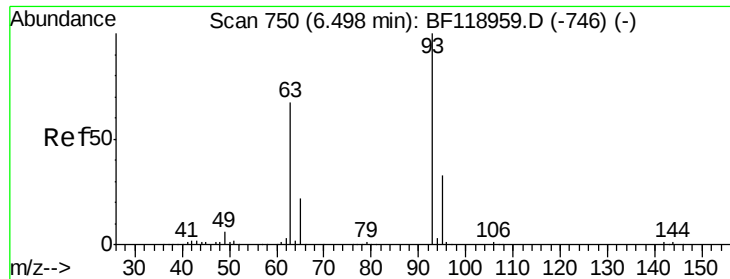
Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion:	94	Resp:	516726
Ion	Ratio	Lower	Upper
94	100		
65	31.1	15.5	55.5
66	48.3	35.6	75.6





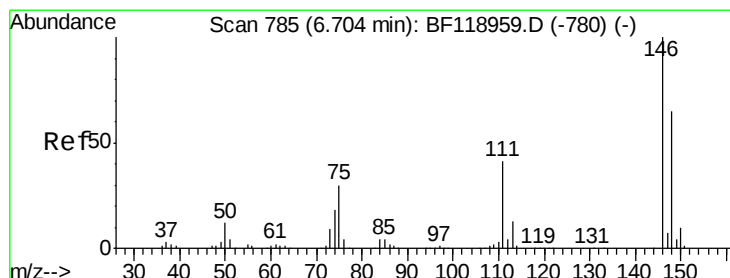
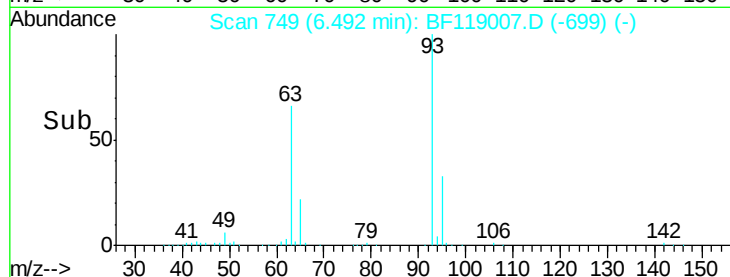
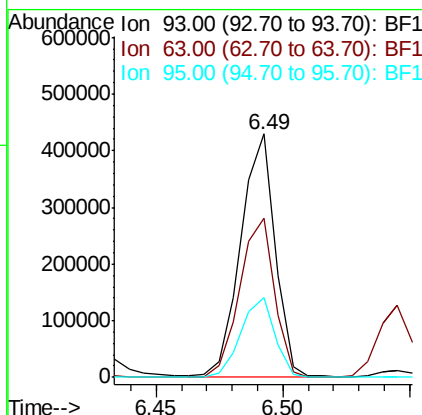
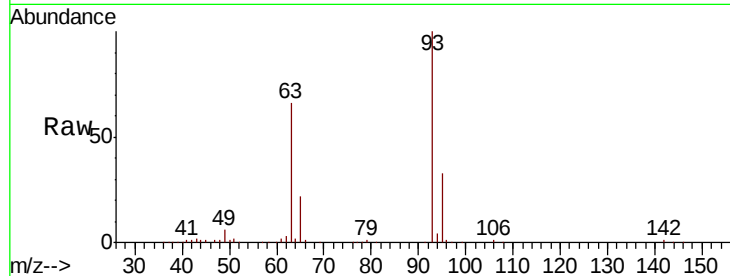
#11
bis(2-Chloroethyl)ether
Concen: 39.029 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion:	93	Resp:	402887
Ion Ratio	Lower	Upper	
93	100		
63	65.6	46.8	86.8
95	32.8	12.7	52.7

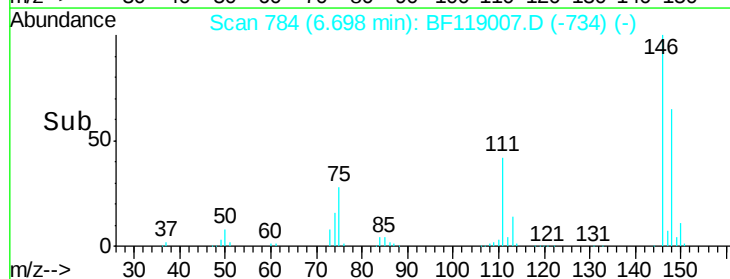
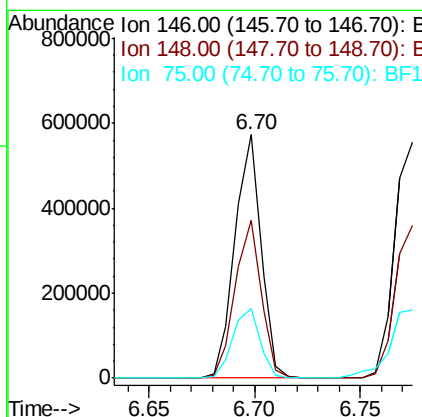
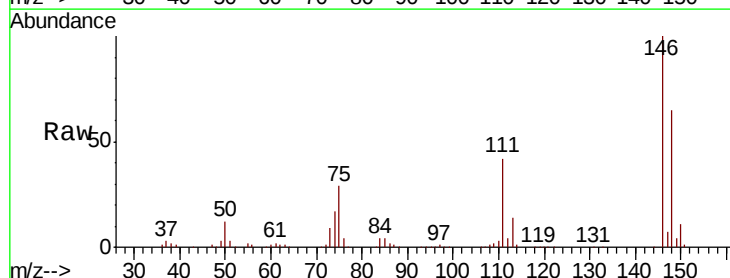
Manual Integrations
APPROVED

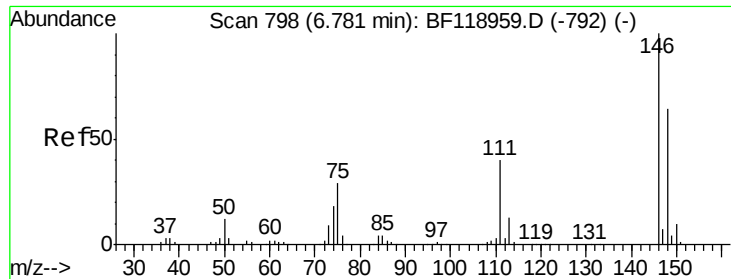
mohammad
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#12
1,3-Dichlorobenzene
Concen: 37.054 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion:	146	Resp:	491757
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.7	77.5
75	28.7	23.6	35.4





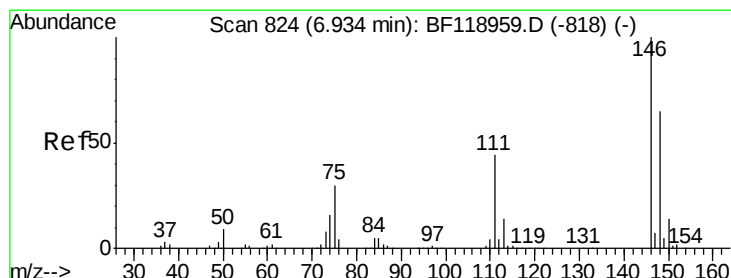
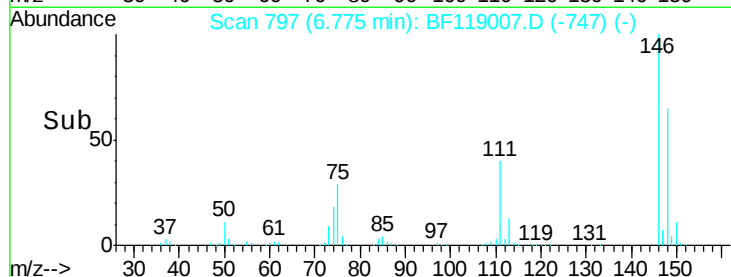
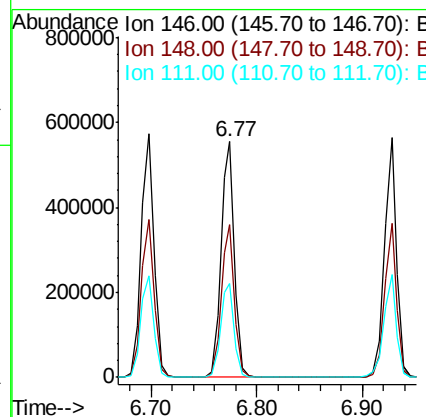
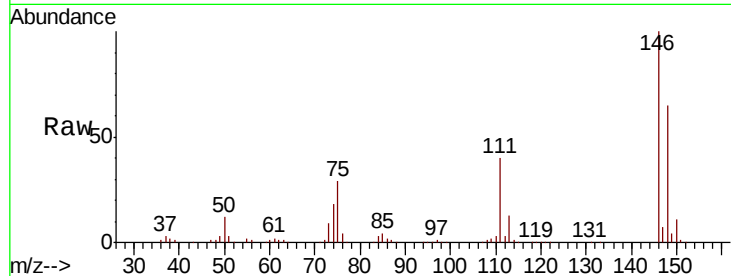
#13
 1,4-Dichlorobenzene
 Concen: 37.636 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.4	77.2
111	40.0	31.9	47.9

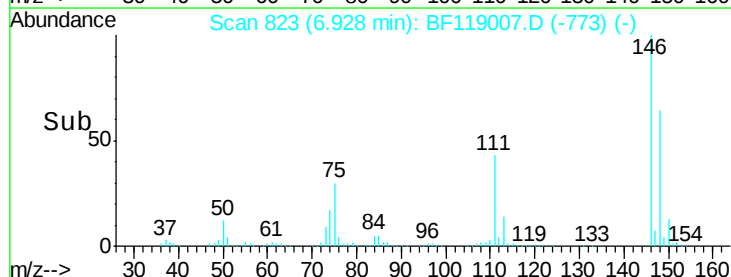
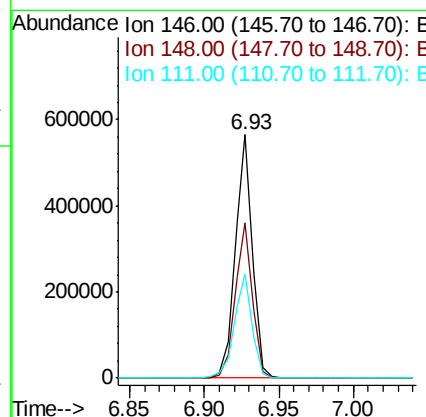
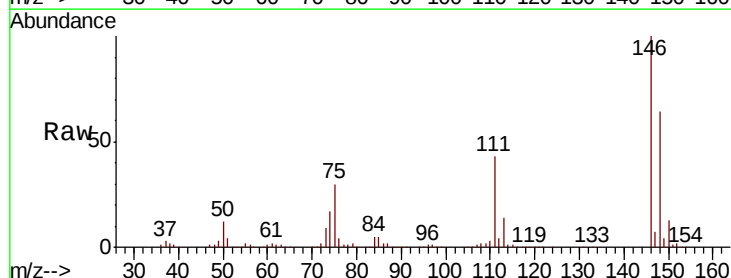
Manual Integrations
 APPROVED

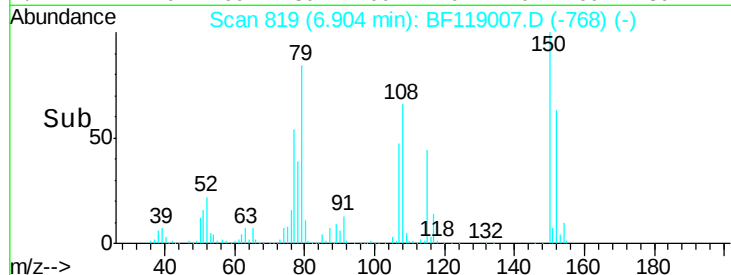
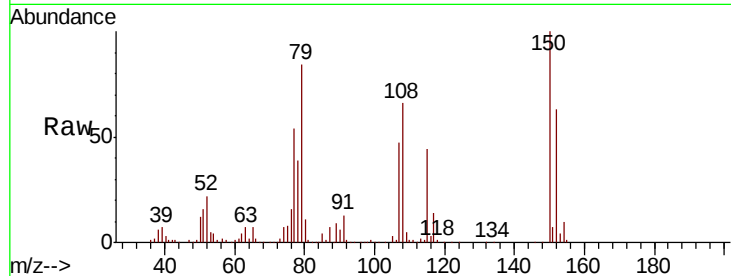
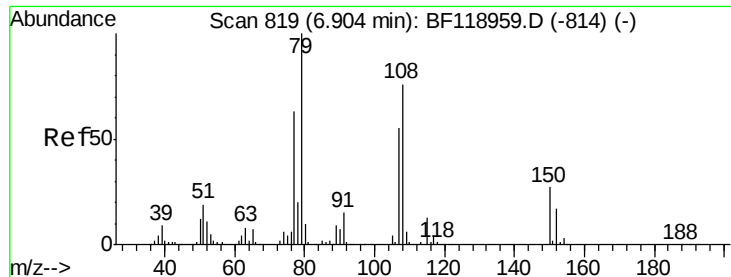
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#14
 1,2-Dichlorobenzene
 Concen: 37.952 ng
 RT: 6.93 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.1	78.1
111	42.7	35.5	53.3





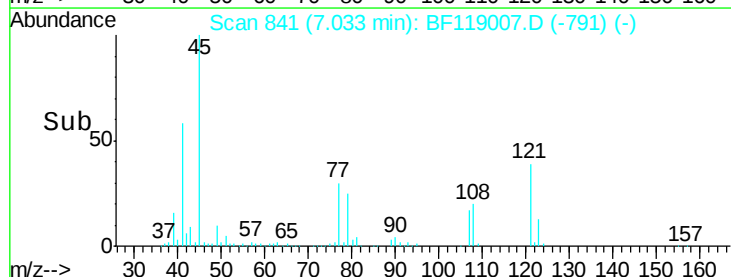
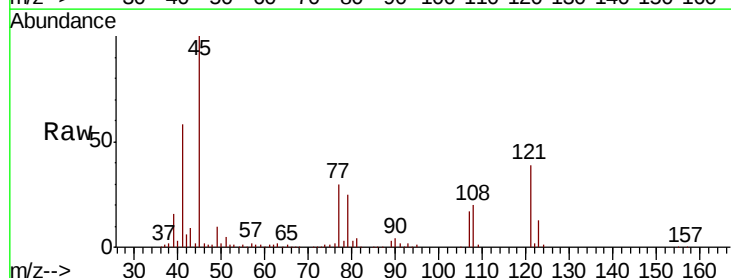
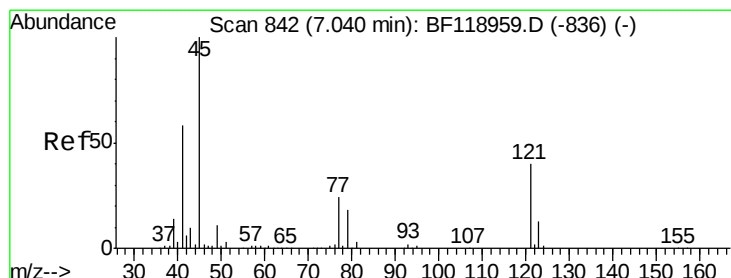
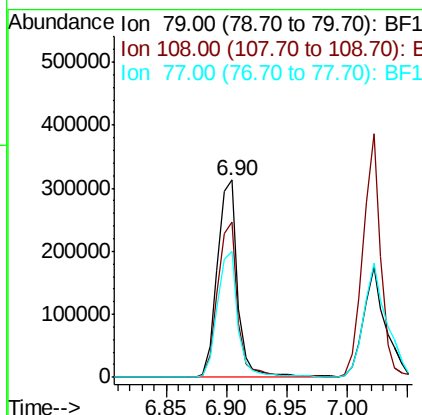
#15
Benzyl Alcohol
Concen: 40.329 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.7	61.1	91.7
77	63.7	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

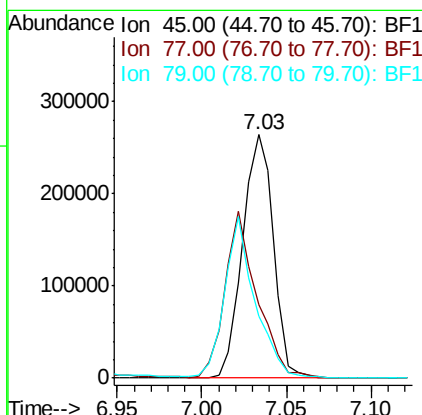
Manual Integrations
APPROVED

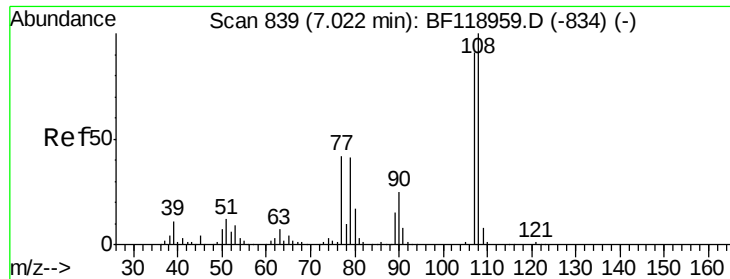
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.496 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
45	100		
77	30.3	6.1	46.1
79	25.3	0.5	40.5





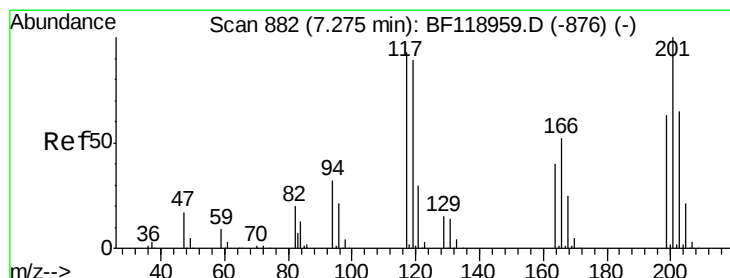
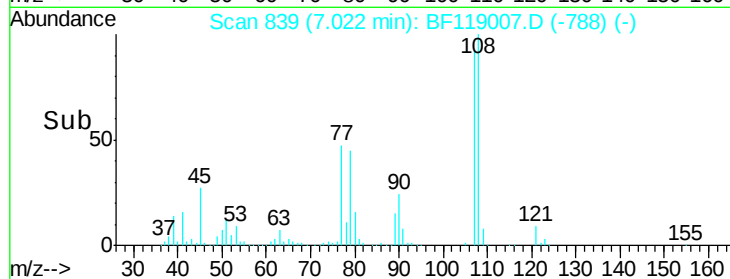
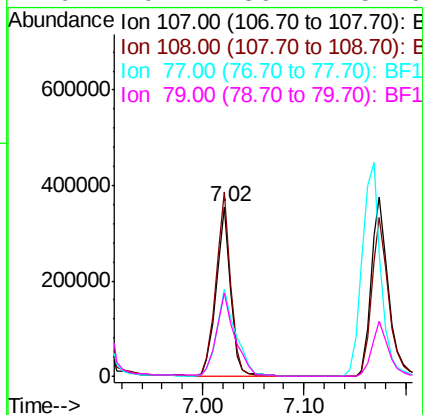
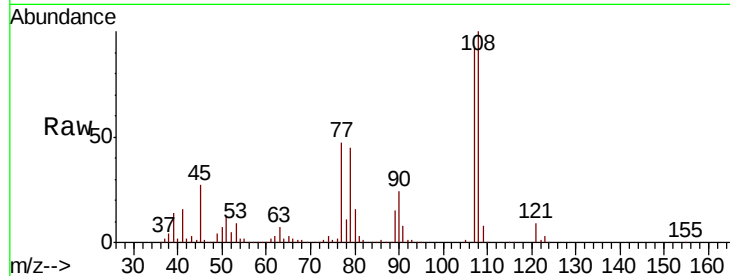
#17
2-Methylphenol
Concen: 39.654 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion:	107	Resp:	355990
Ion Ratio	Lower	Upper	
107	100		
108	108.8	87.7	131.5
77	51.2	36.8	55.2
79	49.4	36.4	54.6

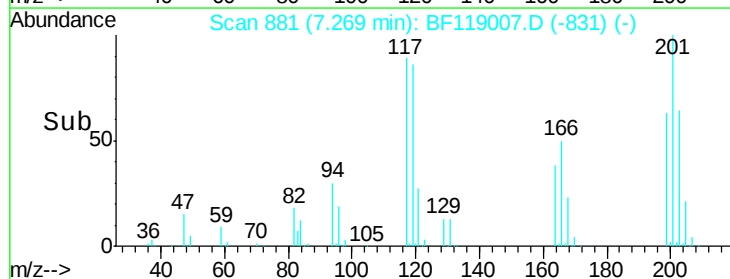
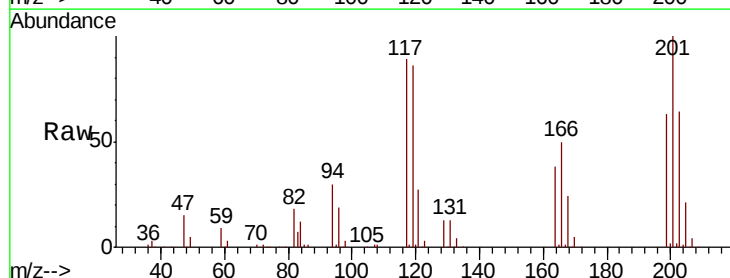
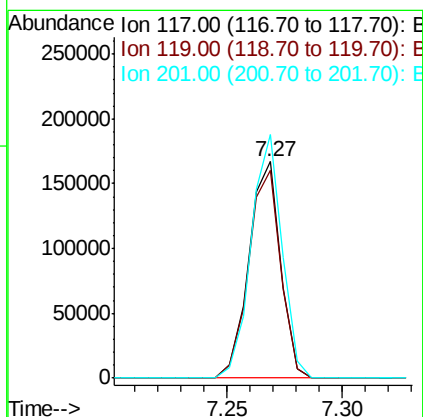
Manual Integrations
APPROVED

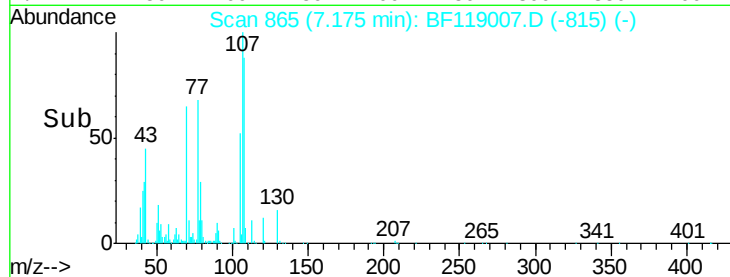
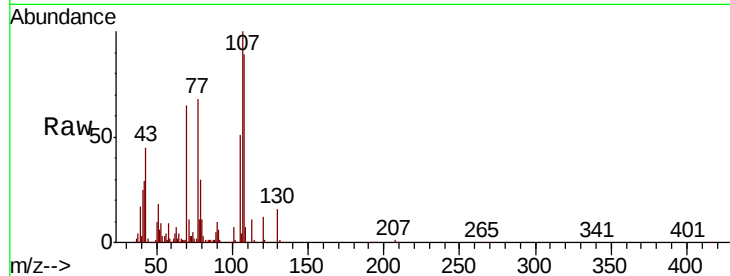
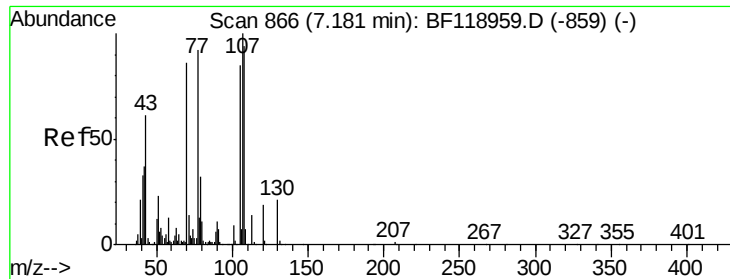
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#18
Hexachloroethane
Concen: 33.744 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion:	117	Resp:	160328
Ion Ratio	Lower	Upper	
117	100		
119	96.3	77.0	115.6
201	112.6	86.4	129.6





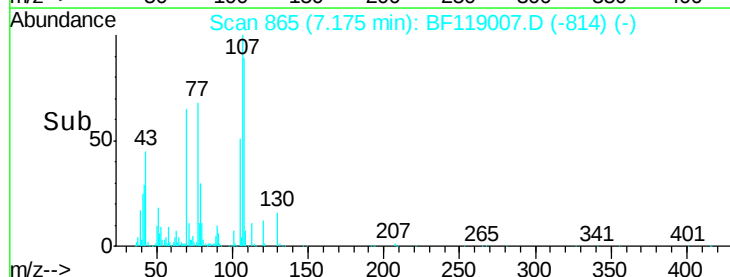
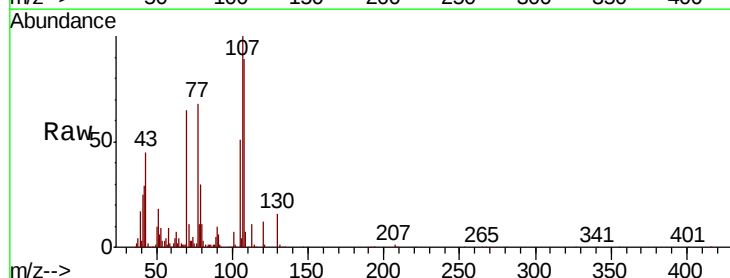
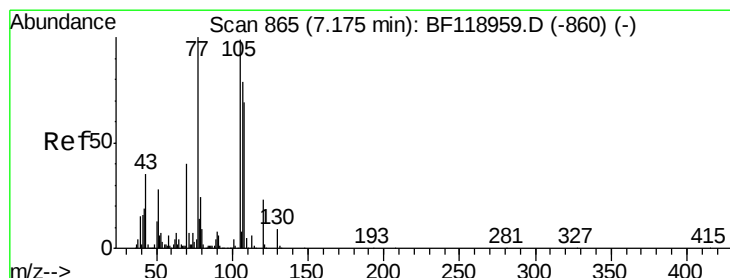
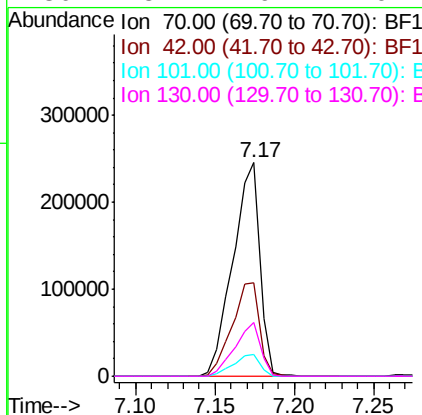
#19
n-Nitroso-di-n-propylamine
Concen: 39.641 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	43.9	34.6	51.8
101	10.4	8.1	12.1
130	25.1	19.4	29.2

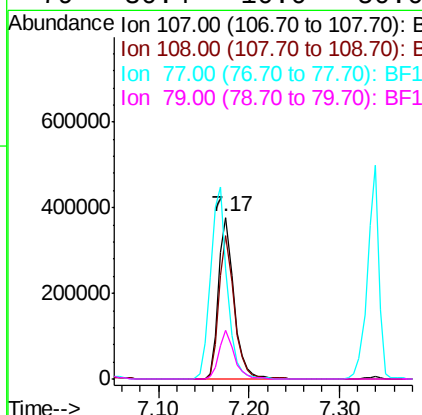
Manual Integrations
APPROVED

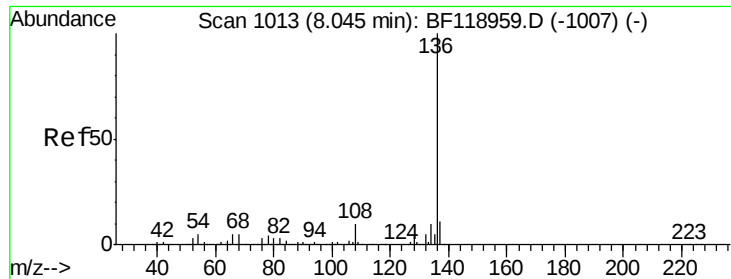
mohammad
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#20
3+4-Methylphenols
Concen: 39.849 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.6	67.0	107.0
77	68.5	106.2	146.2#
79	30.4	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

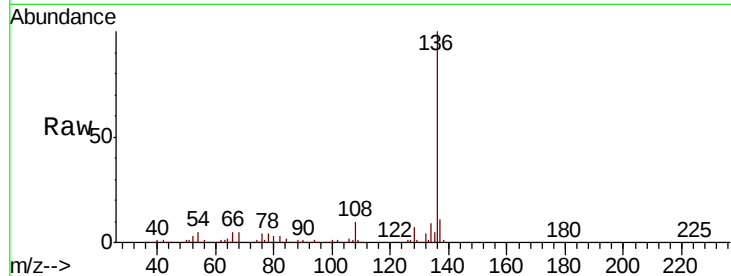
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		631241		
137	10.8		8.9	13.3	
54	4.8		3.8	5.6	
68	4.9		4.2	6.2	

Manual Integrations
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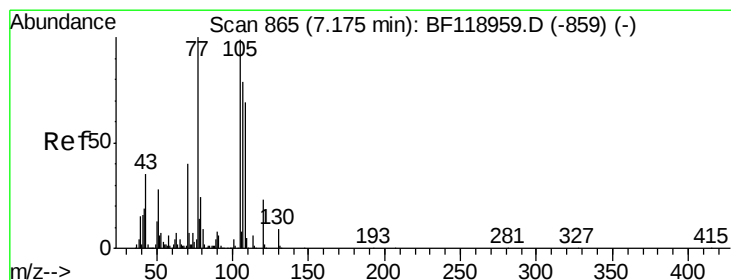
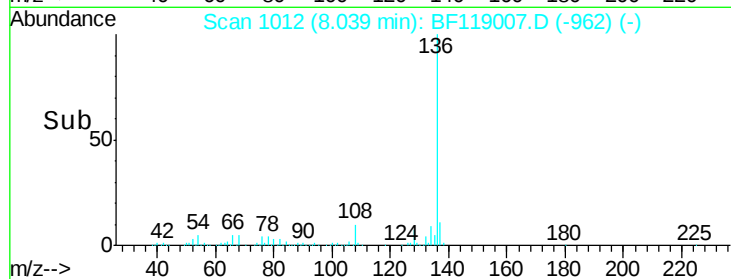
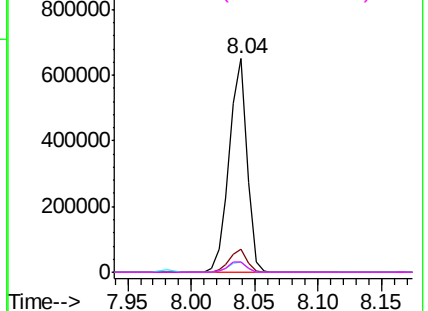


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 39.664 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

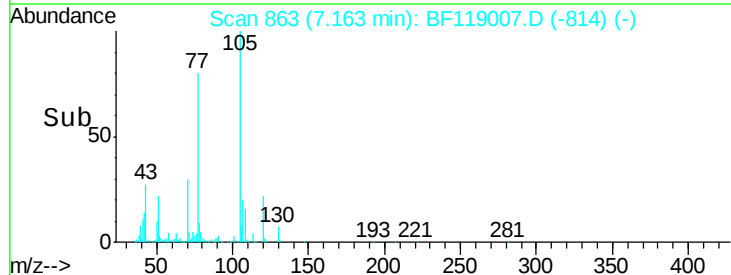
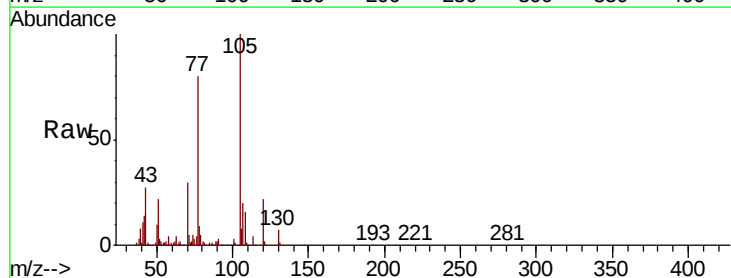
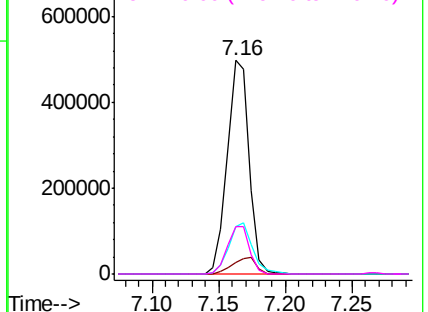
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		579305		
71	5.2		5.4	8.0#	
51	21.9		22.5	33.7#	
120	22.5		18.4	27.6	

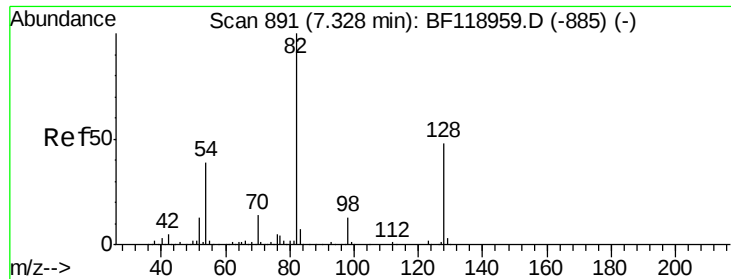
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





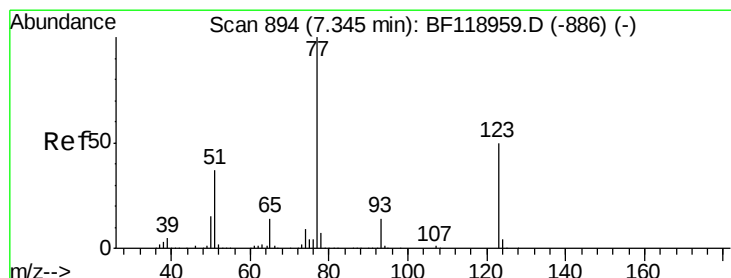
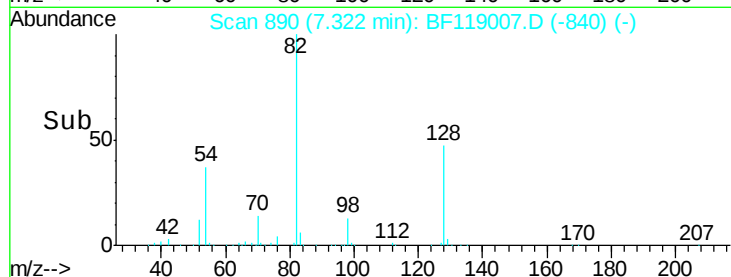
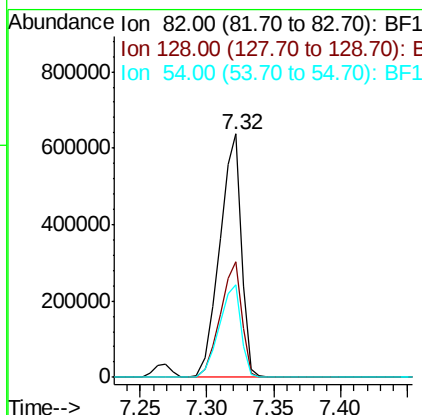
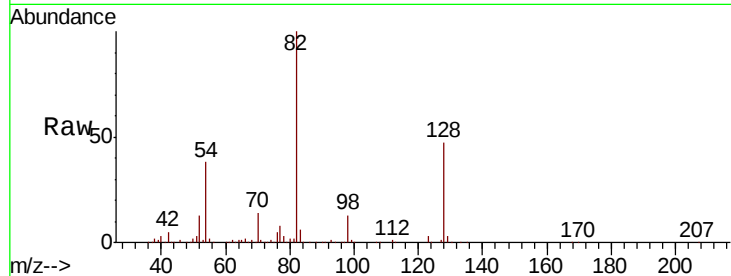
#23
Nitrobenzene-d5
Concen: 61.146 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	731025		
128	47.2		38.2	57.2
54	38.1		31.3	46.9

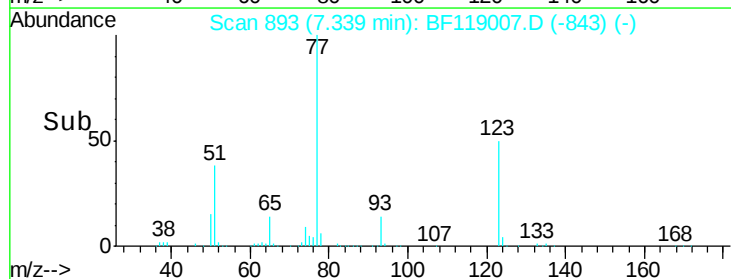
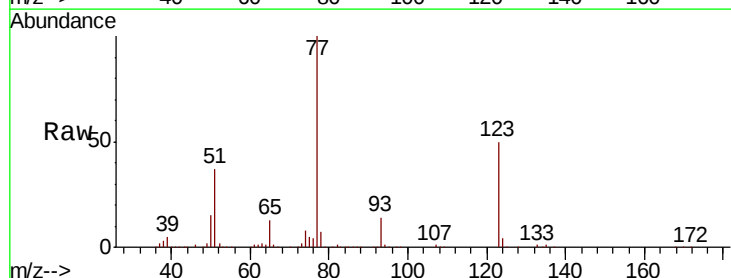
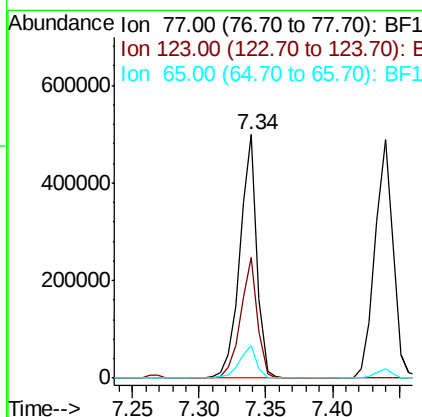
Manual Integrations
APPROVED

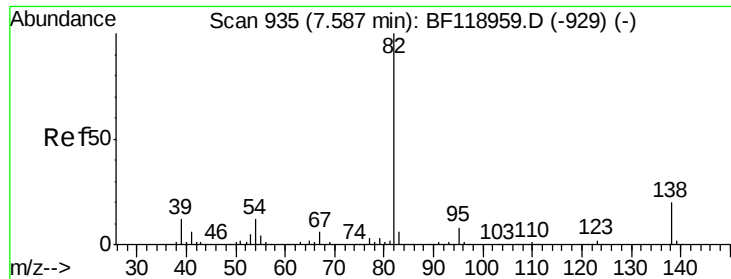
mohammad
2/24/2020 2:11:40 PM



#24
Nitrobenzene
Concen: 37.438 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	442613		
123	49.8		40.1	60.1
65	13.3		10.9	16.3





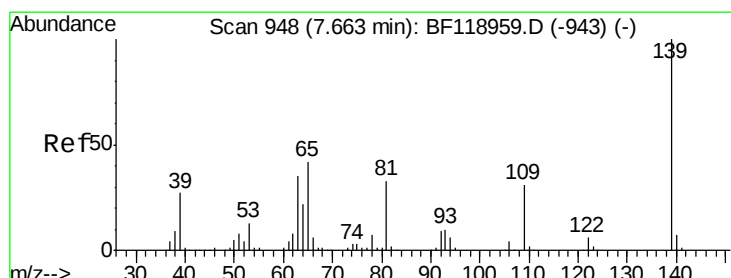
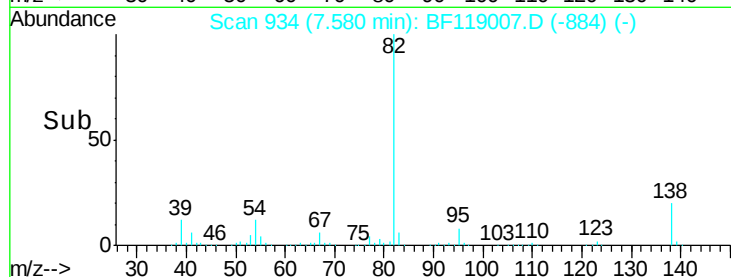
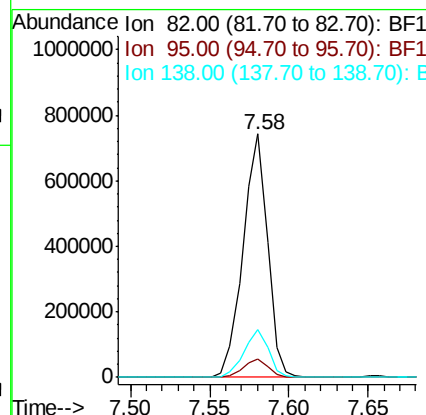
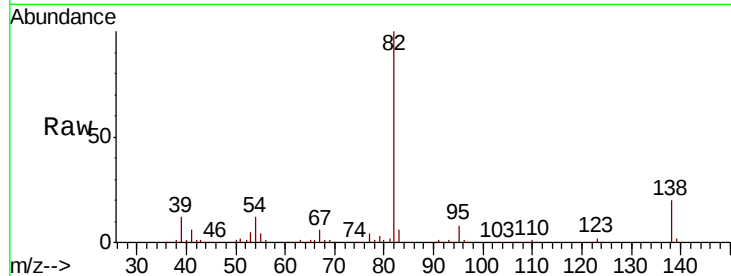
#25
Isophorone
Concen: 38.423 ng
RT: 7.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	797761		
95	7.6	6.1	9.1	
138	19.6	15.8	23.6	

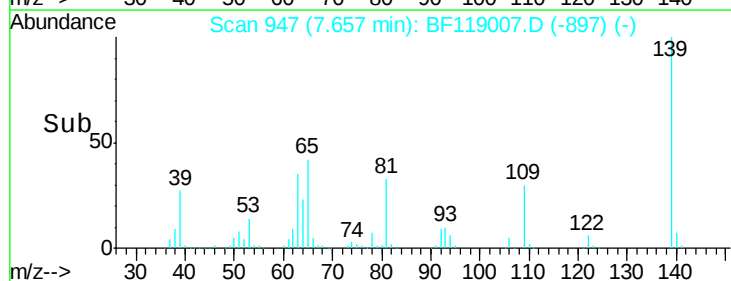
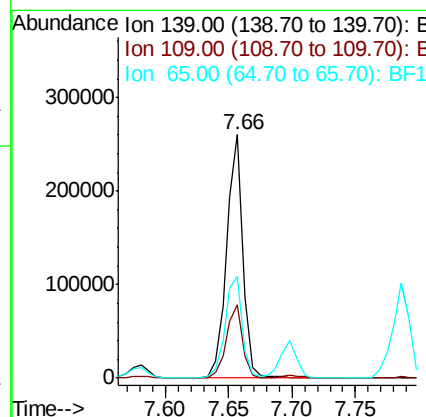
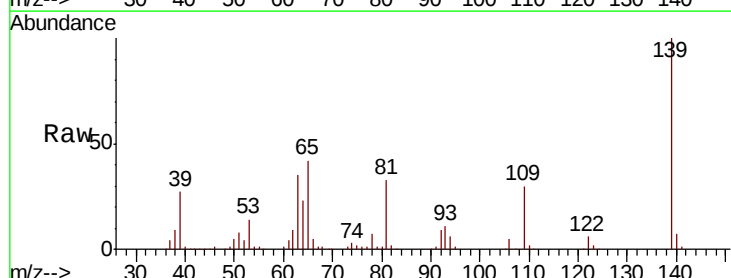
Manual Integrations
APPROVED

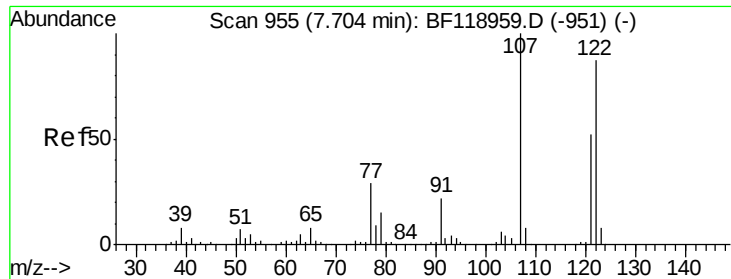
mohammad
2/24/2020 2:11:40 PM



#26
2-Nitrophenol
Concen: 37.199 ng
RT: 7.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	233018		
109	30.2	24.6	36.8	
65	41.8	33.6	50.4	





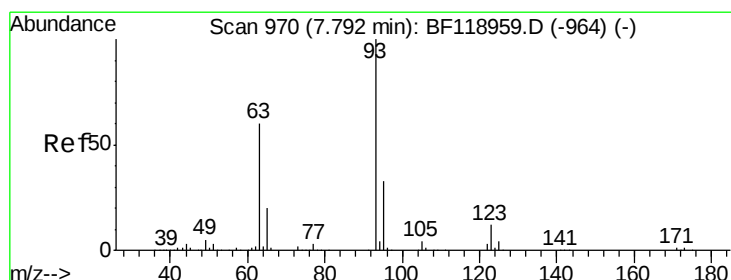
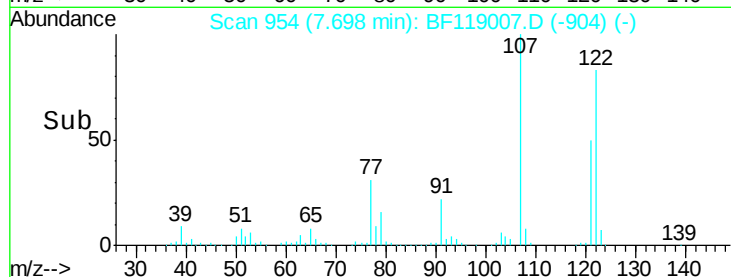
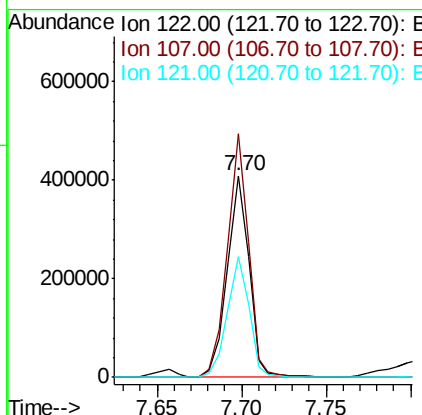
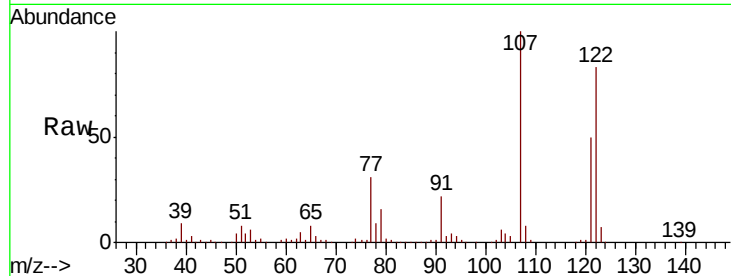
#27
2,4-Dimethylphenol
Concen: 43.216 ng
RT: 7.70 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.6	91.8	137.8
121	59.7	47.4	71.0

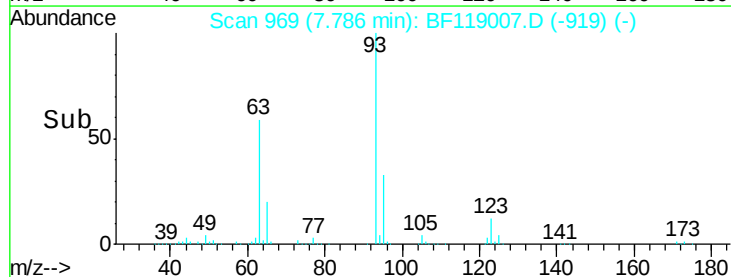
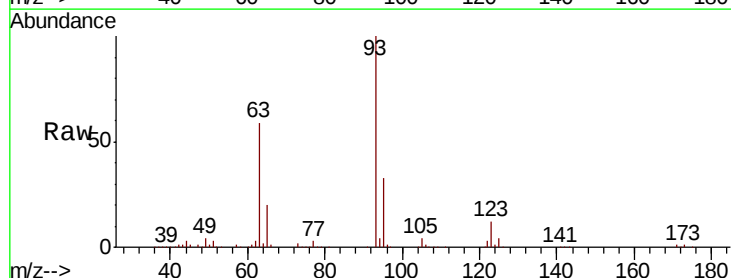
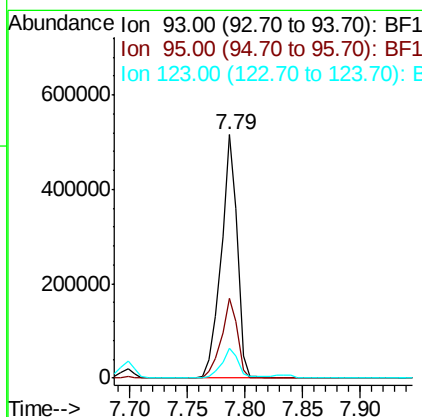
Manual Integrations
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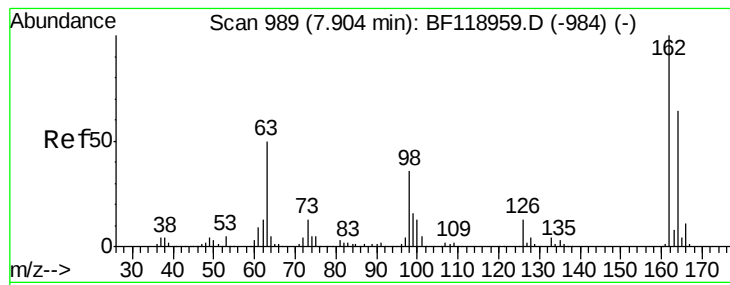
mohammad
2/24/2020 2:11:40 PM



#28
bis(2-Chloroethoxy)methane
Concen: 36.923 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.3	39.5
123	12.1	9.8	14.8





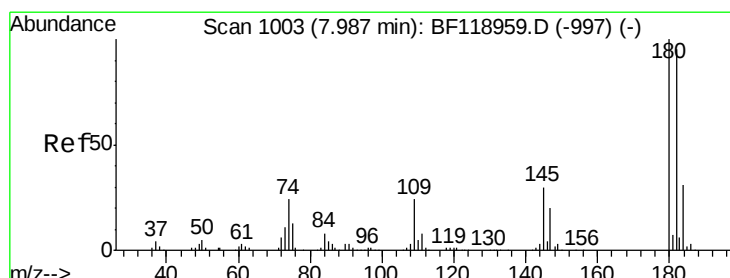
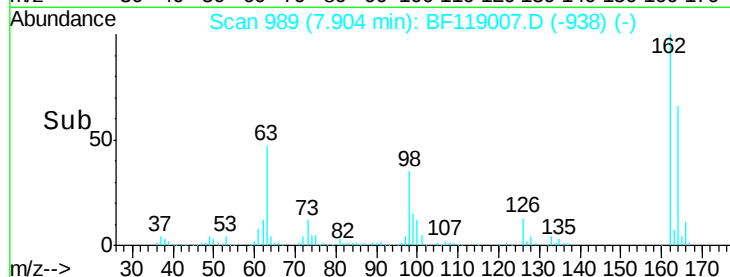
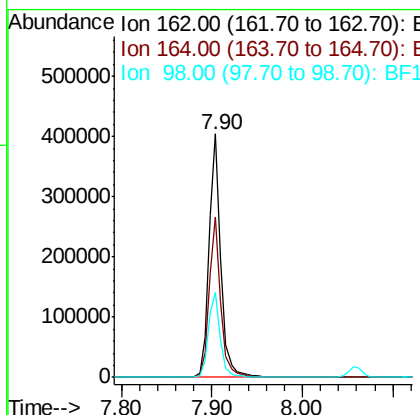
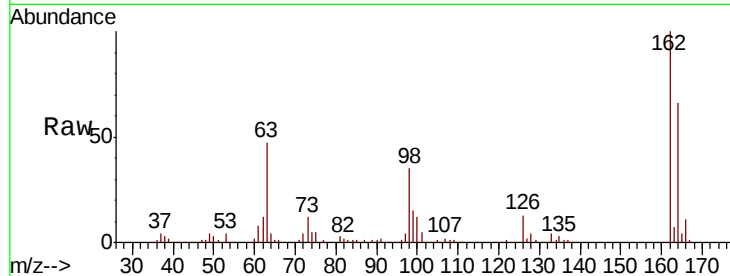
#29
 2,4-Dichlorophenol
 Concen: 37.156 ng
 RT: 7.90 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	371878		
164	65.7	44.1	84.1	
98	34.8	16.4	56.4	

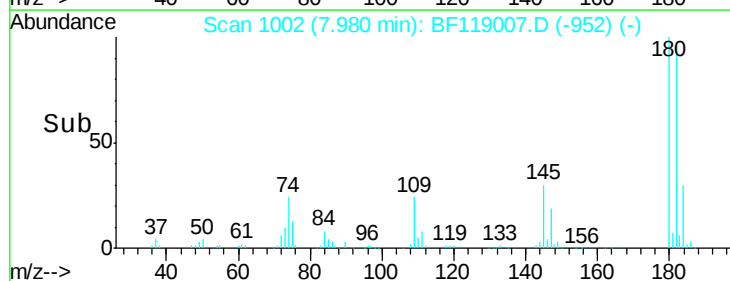
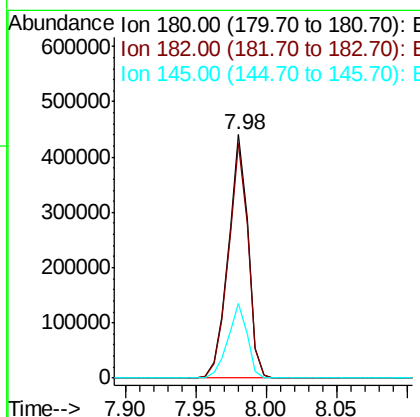
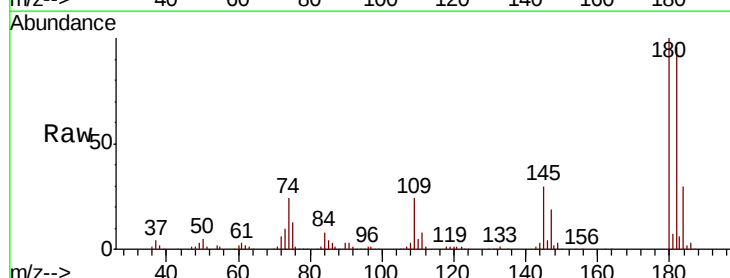
Manual Integrations
 APPROVED

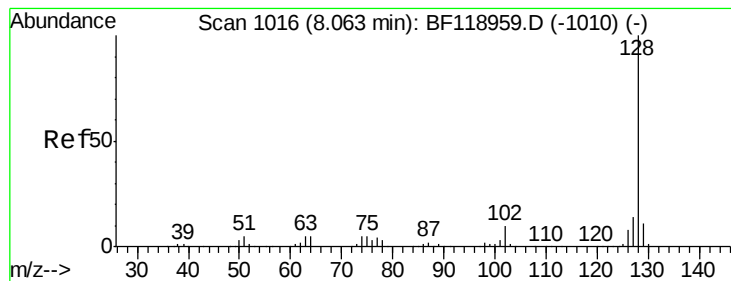
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 35.835 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	425236		
182	96.2	75.8	113.8	
145	30.5	24.2	36.2	





#31

Naphthalene

Concen: 37.482 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:128 Resp: 1227073

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

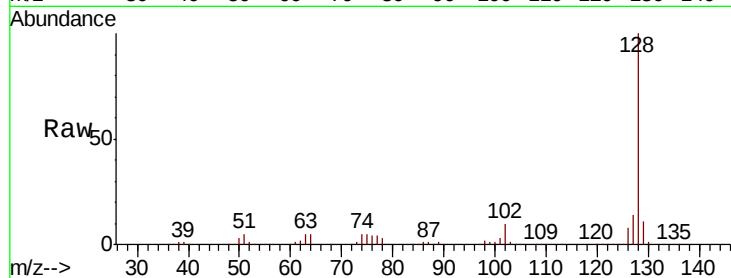
127 14.0 10.9 16.3

Manual Integrations

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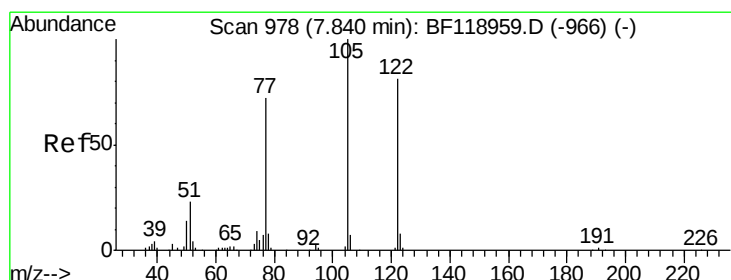
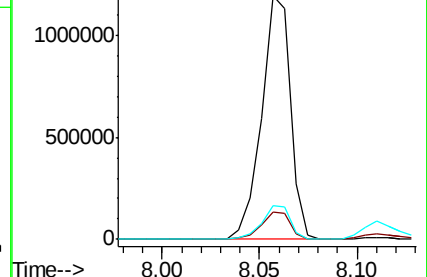
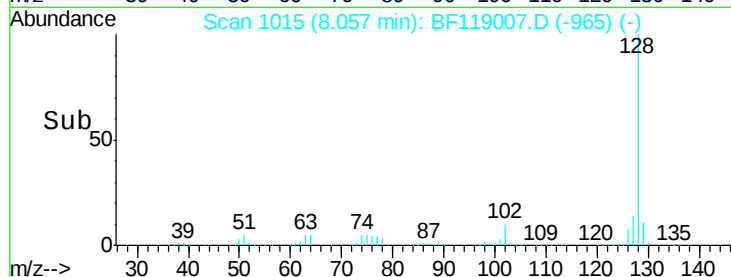
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 34.514 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

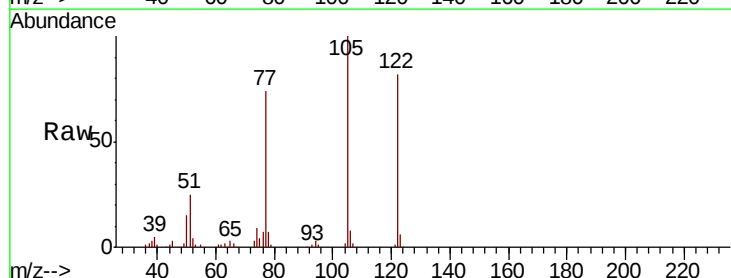
Tgt Ion:122 Resp: 200581

Ion Ratio Lower Upper

122 100

105 121.8 102.2 142.2

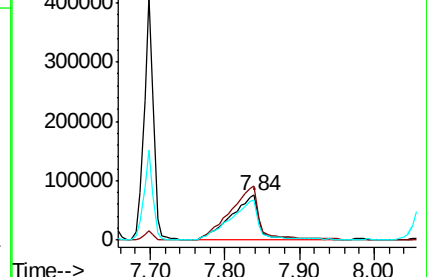
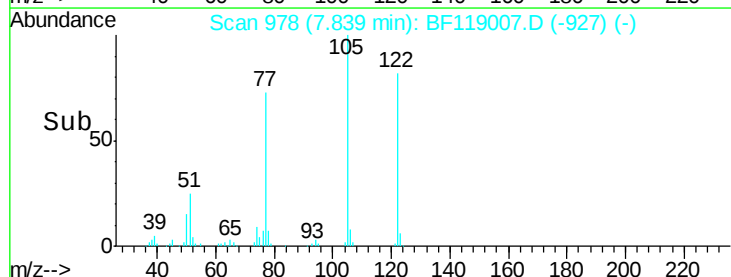
77 89.9 68.6 108.6

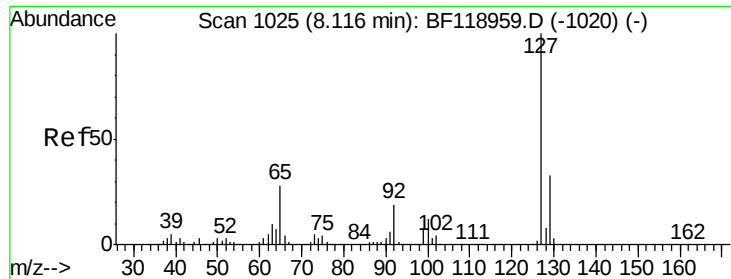


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





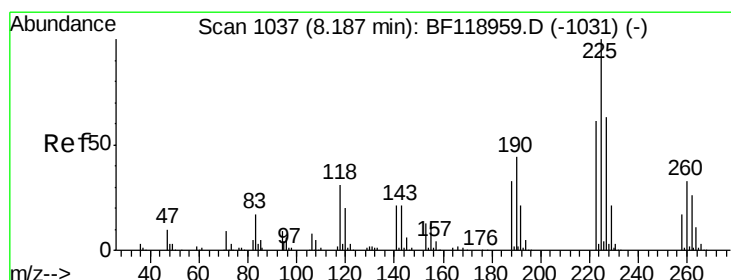
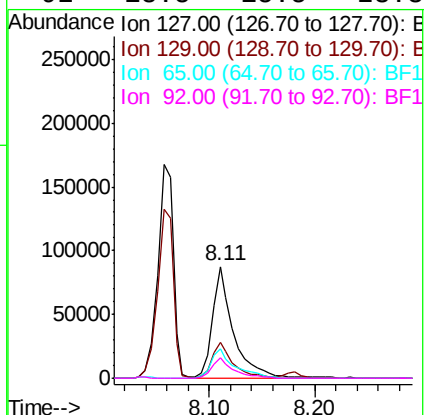
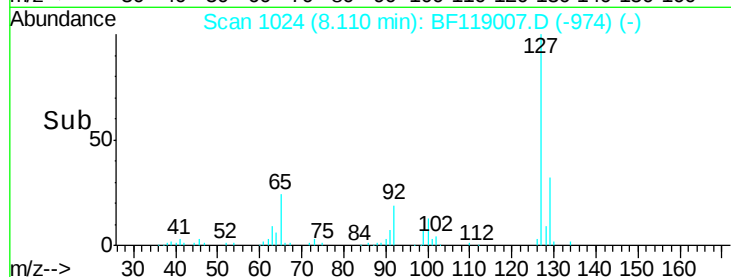
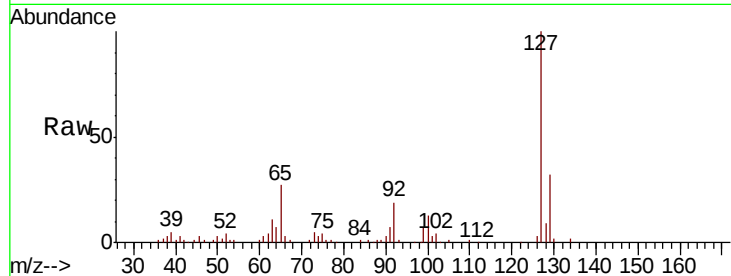
#33
4-Chloroaniline
Concen: 8.608 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	26.2	39.2		
65	26.7	22.0	33.0		
92	18.5	15.5	23.3		

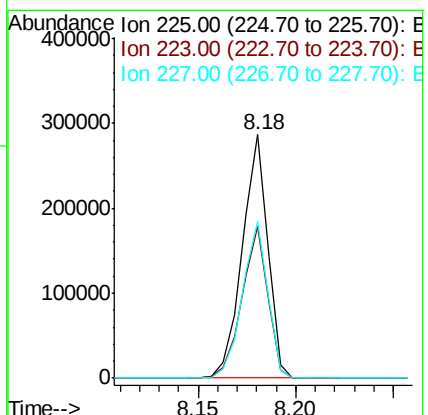
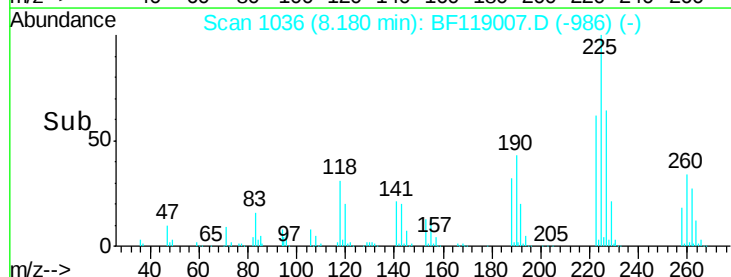
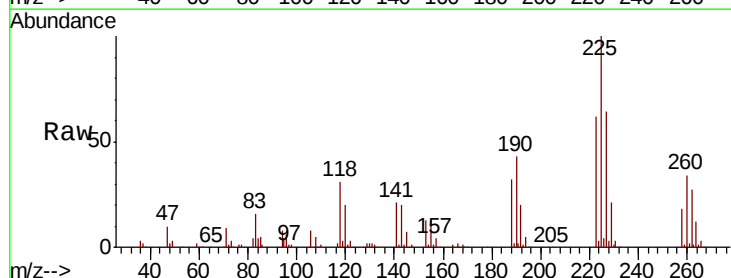
Manual Integrations
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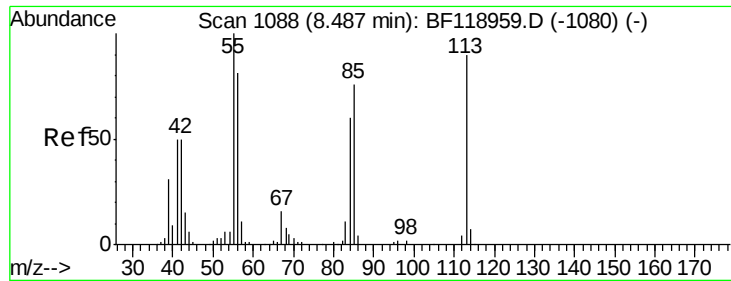
mohammad
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#34
Hexachlorobutadiene
Concen: 35.111 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.3	48.9	73.3		
227	64.1	50.4	75.6		





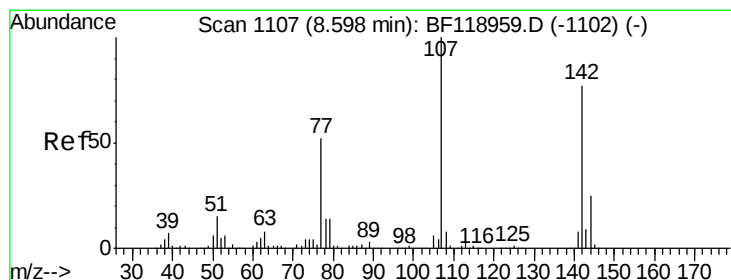
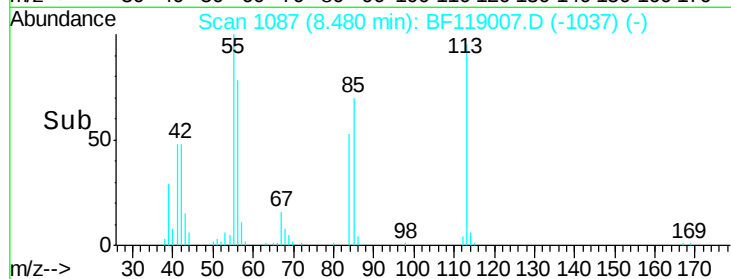
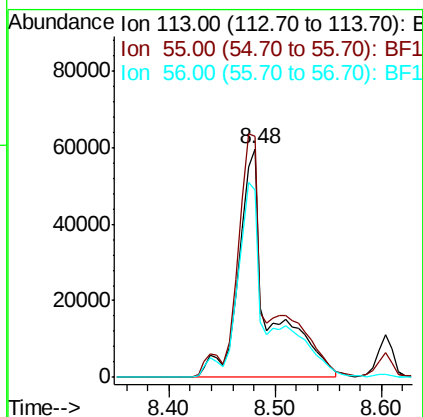
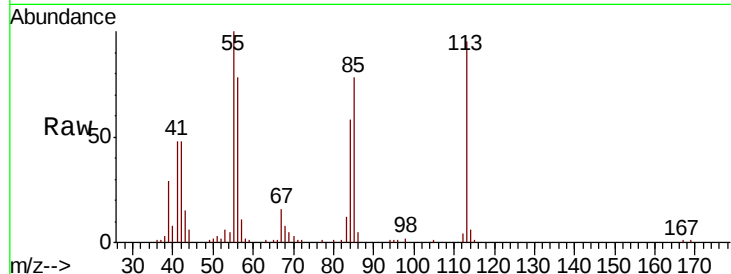
#35
Caprolactam
Concen: 38.280 ng/ml
RT: 8.48 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	105.4	90.8	130.8
56	82.3	70.0	110.0

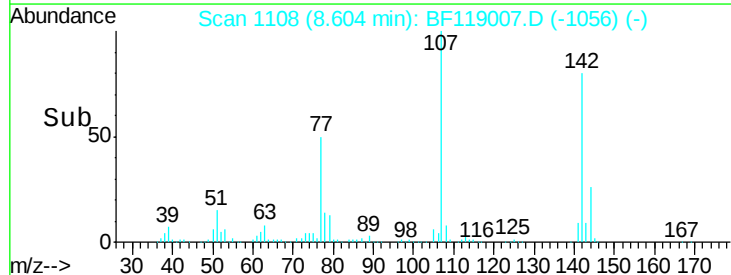
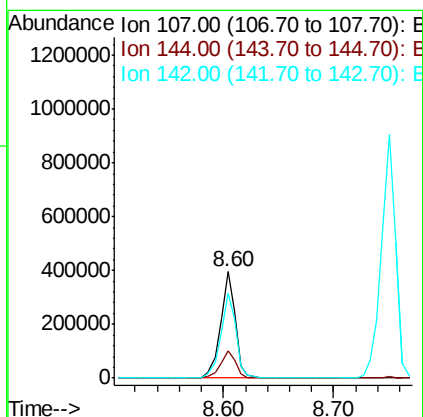
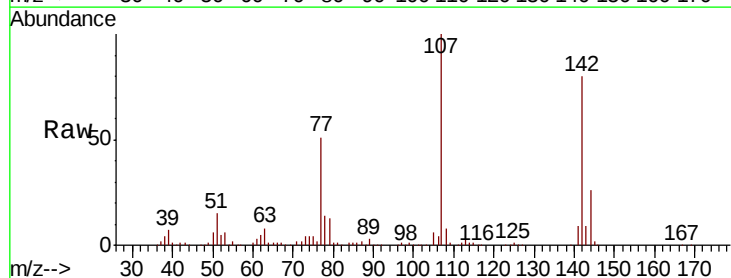
Manual Integrations
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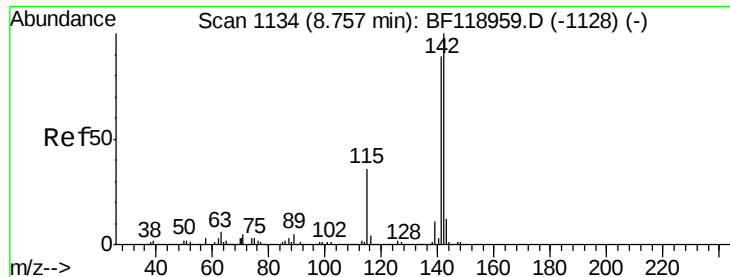
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 36.671 ng/ml
RT: 8.60 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	19.8	29.8
142	79.5	61.3	91.9





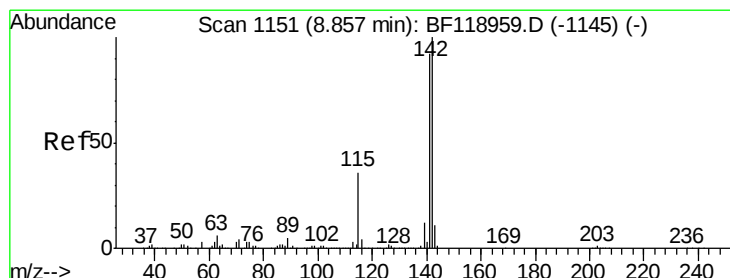
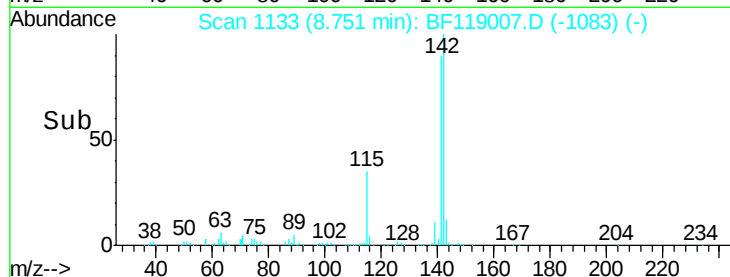
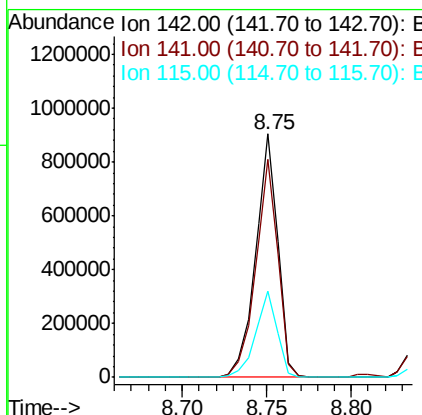
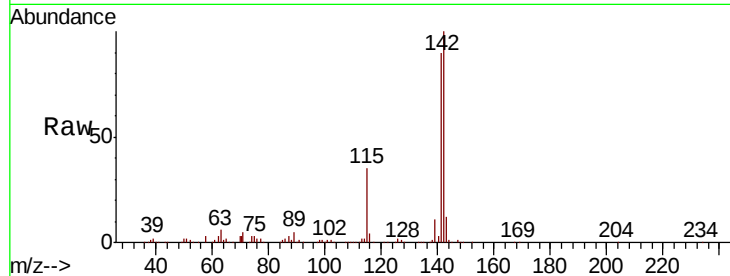
#37
 2-Methylnaphthalene
 Concen: 37.620 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.4
115	35.4	28.6	42.8

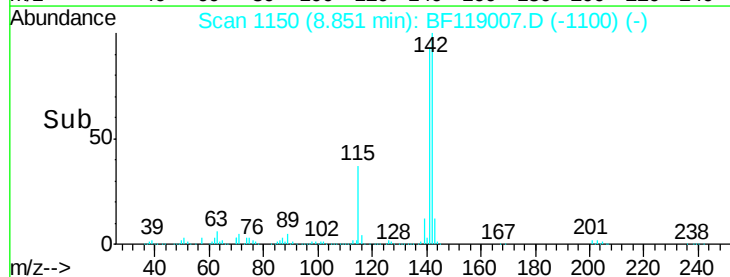
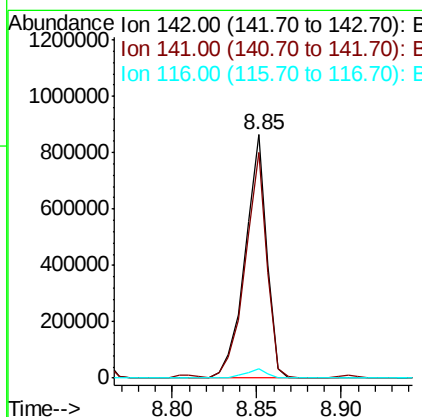
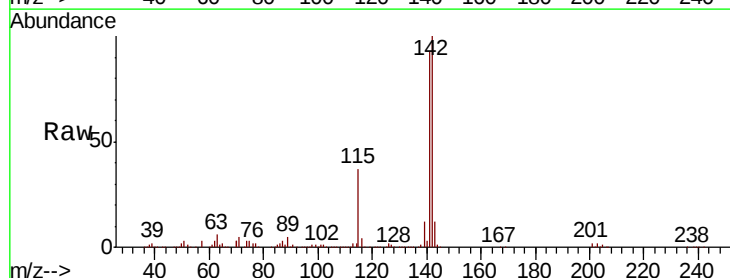
Manual Integrations
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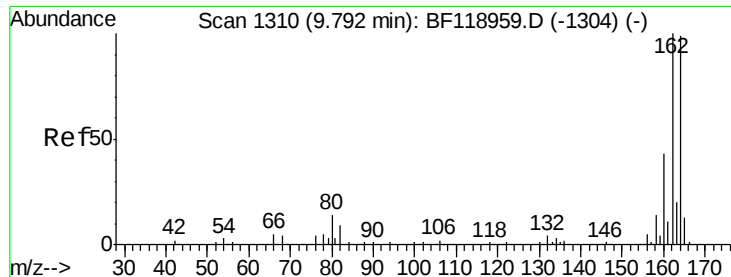
mohammad
 2/24/2020 2:11:40 PM



#38
 1-Methylnaphthalene
 Concen: 37.192 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.7	110.5
116	3.8	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

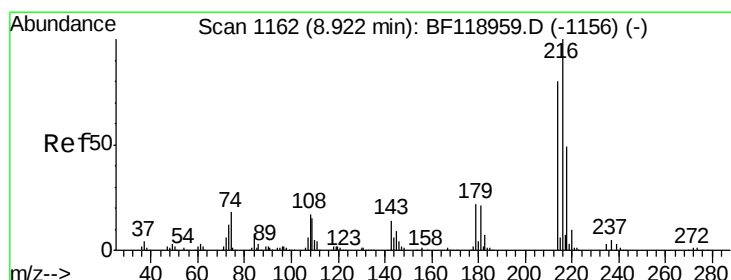
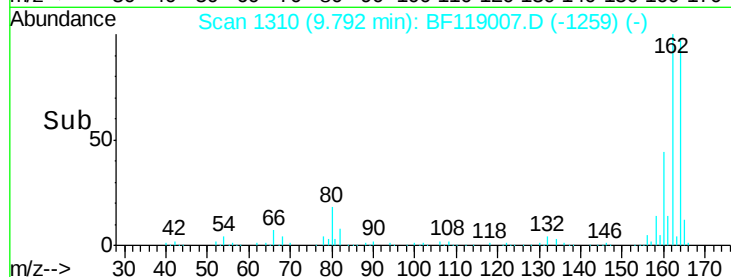
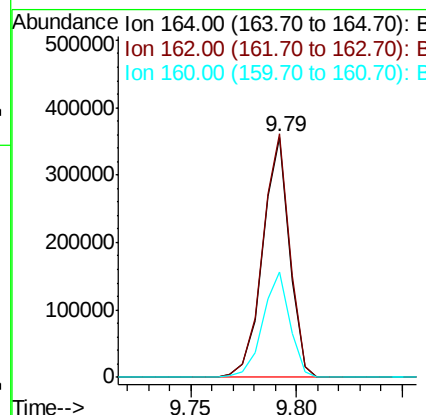
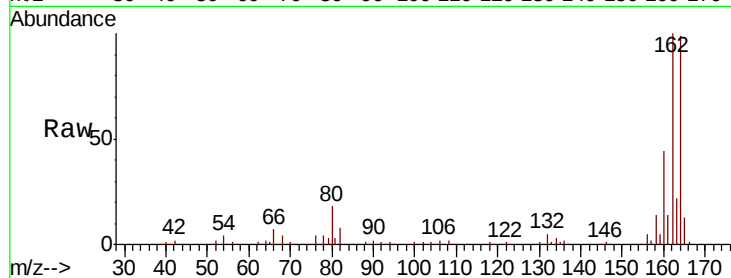
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.2	121.8
160	44.2	35.2	52.8

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.005 ng

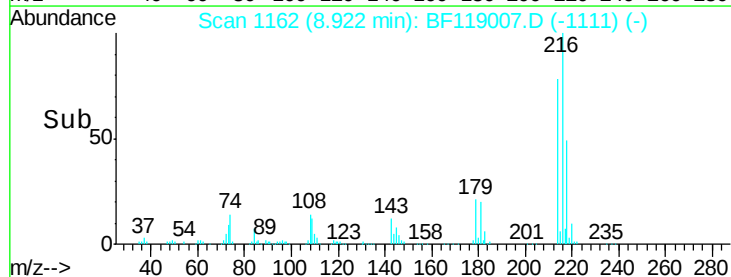
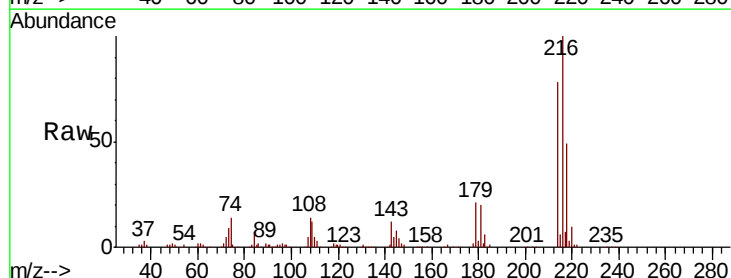
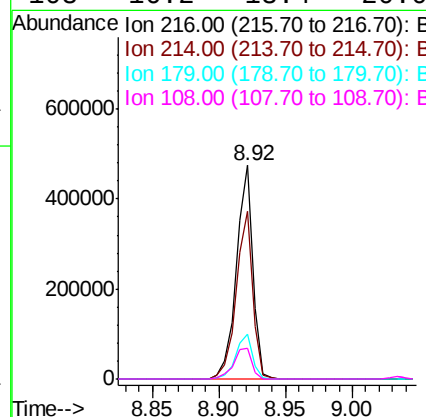
RT: 8.92 min Scan# 1162

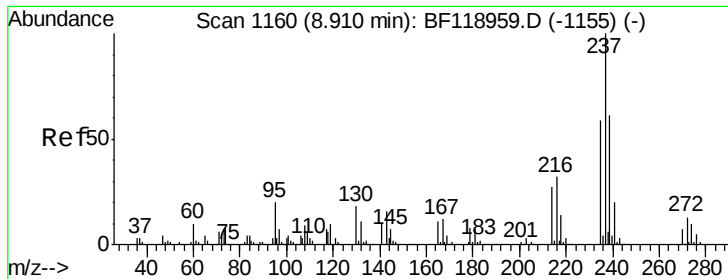
Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.1	94.7
179	21.0	17.2	25.8
108	16.2	13.4	20.0





#41

Hexachlorocyclopentadiene

Concen: 25.425 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

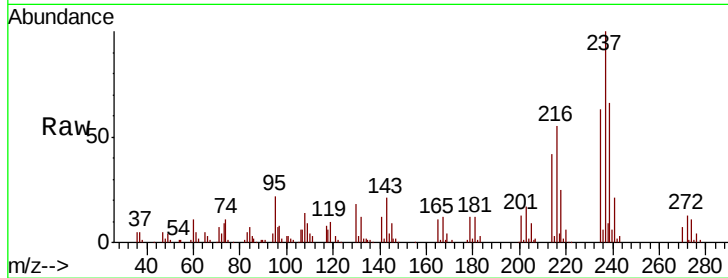
ClientSampleId :

TP-14-EP2-3MSD

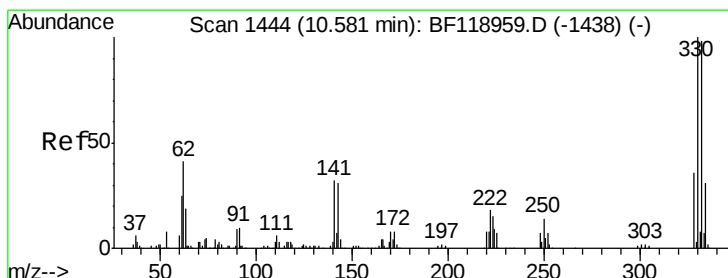
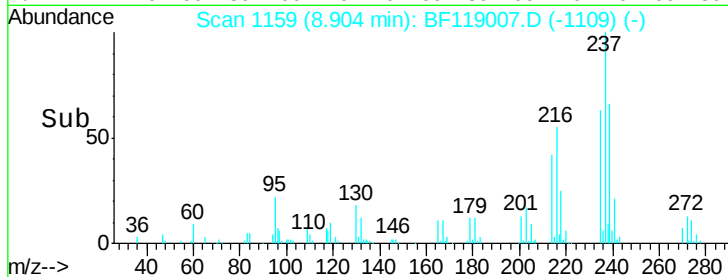
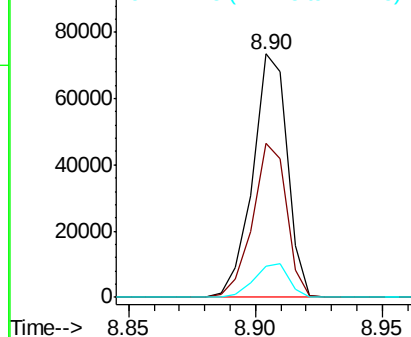
Tot Ion:	237	Resp:	70264
Ion Ratio	Lower	Upper	
237	100		
235	63.2	39.4	79.4
272	12.9	0.0	32.6

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 81.570 ng

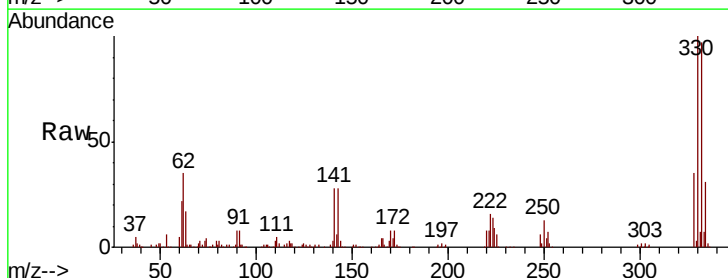
RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

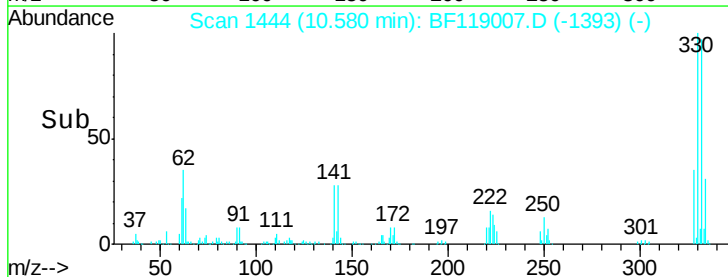
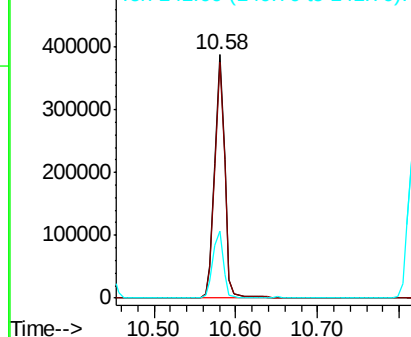
Lab File: BF119007.D

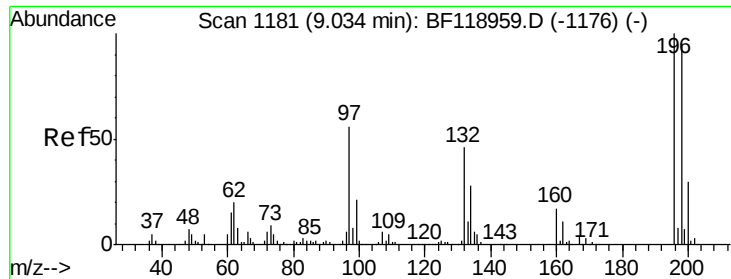
Acq: 21 Feb 2020 22:13

Tgt Ion:	330	Resp:	336343
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.1	115.7
141	28.4	23.0	34.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





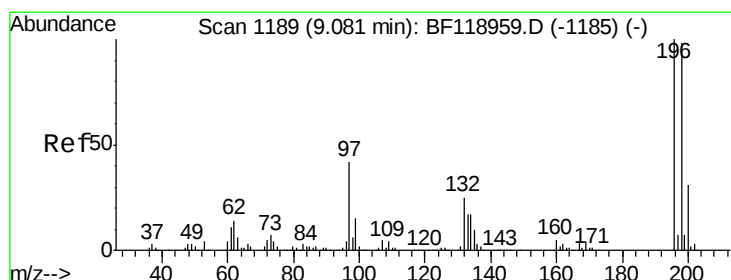
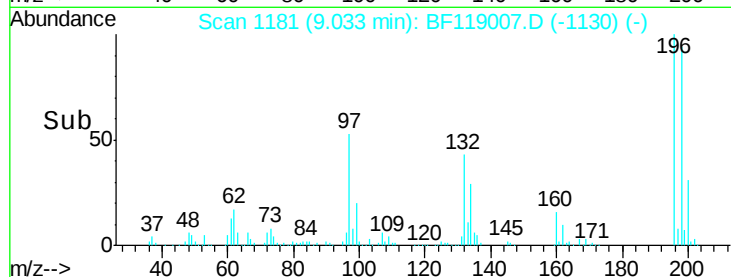
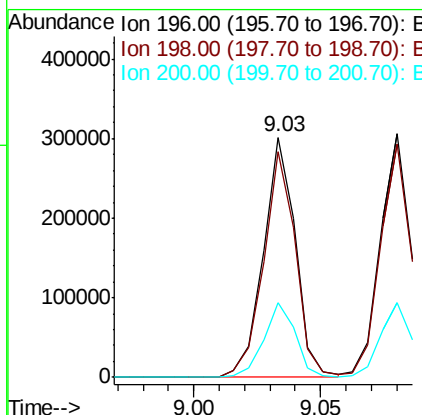
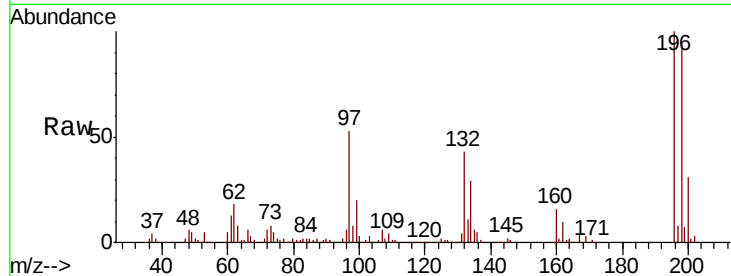
#43
 2,4,6-Trichlorophenol
 Concen: 39.831 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	267311		
198	93.9	75.8	113.6	
200	31.0	24.1	36.1	

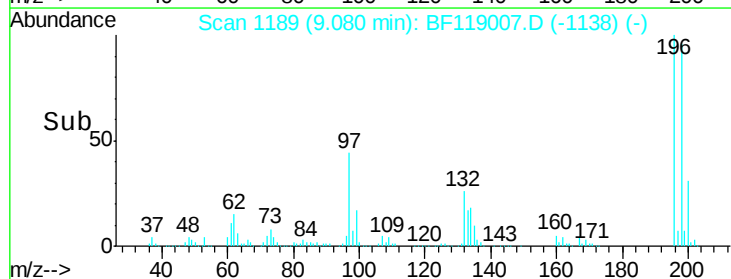
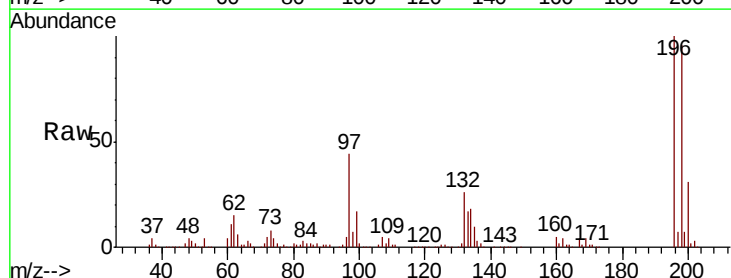
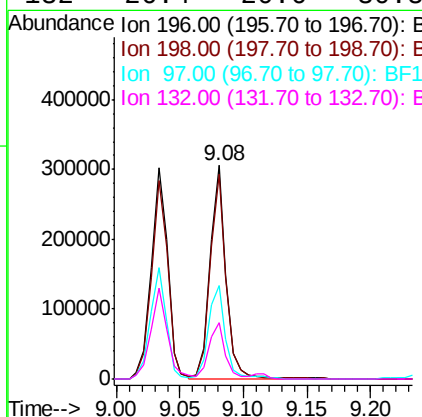
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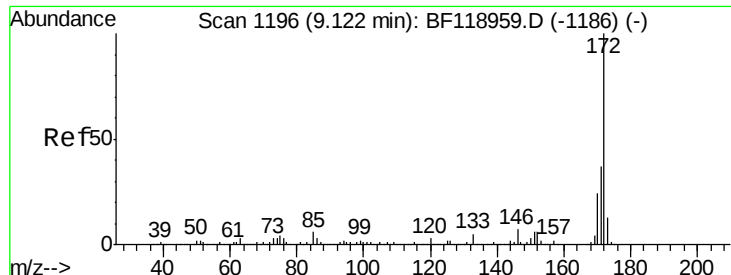
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 38.659 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	272249		
198	95.6	78.4	117.6	
97	44.0	33.4	50.0	
132	26.4	20.6	30.8	





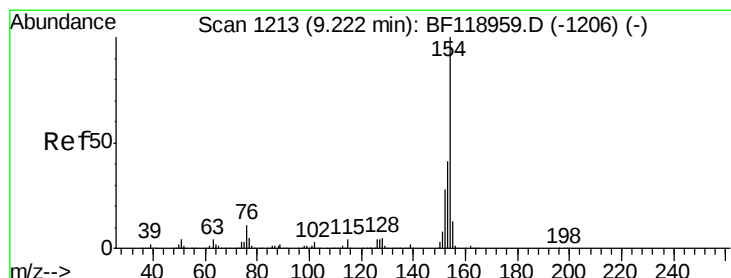
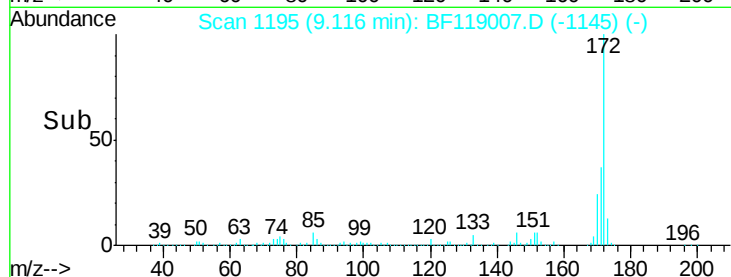
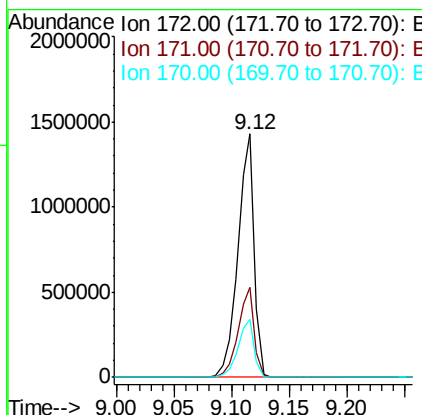
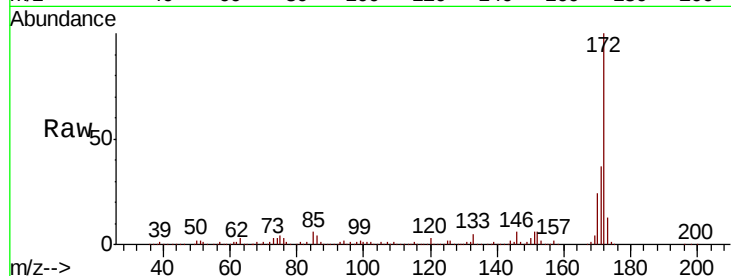
#45
2-Fluorobiphenyl
Concen: 64.847 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.2
170	23.7	19.6	29.4

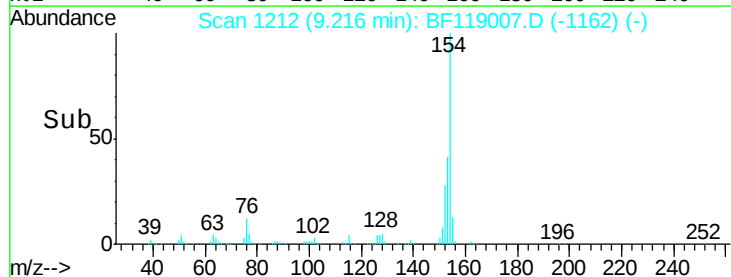
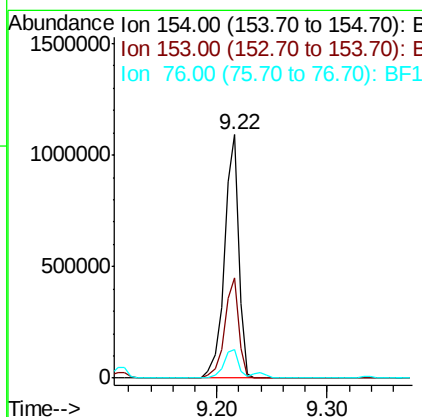
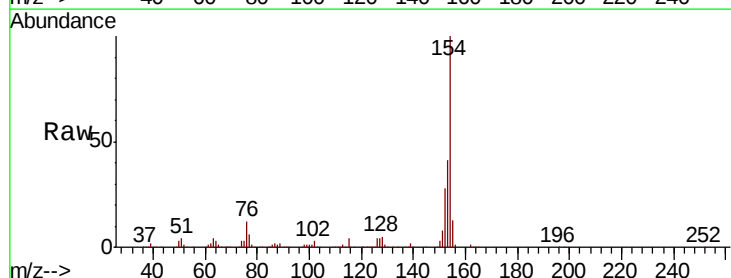
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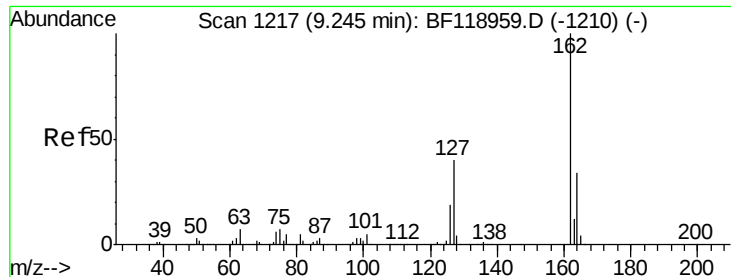
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#46
1,1'-Biphenyl
Concen: 38.737 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.2	61.2
76	11.5	0.0	31.1





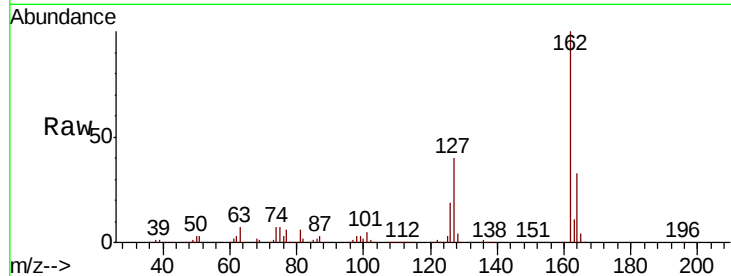
#47
2-Chloronaphthalene
Concen: 37.630 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

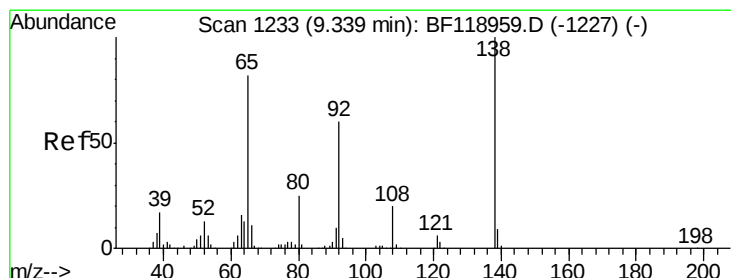
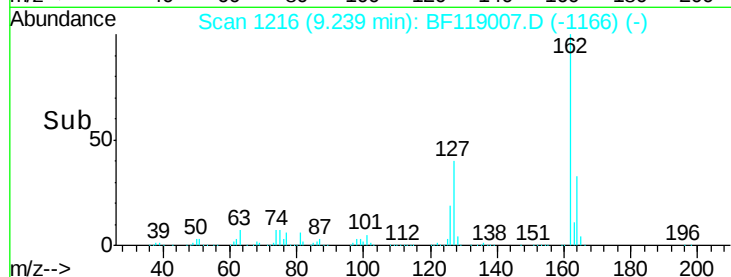
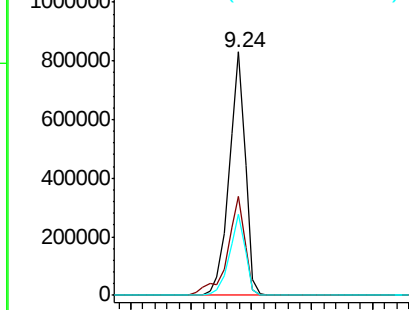
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.9	47.9
164	33.3	26.8	40.2

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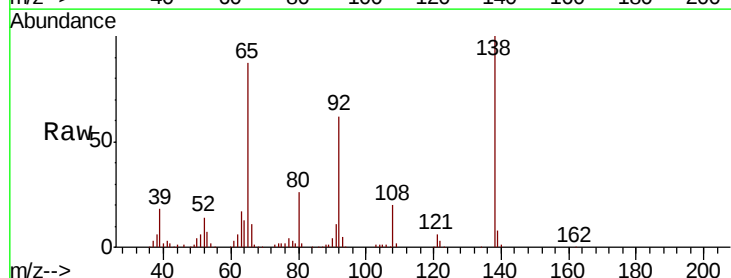


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

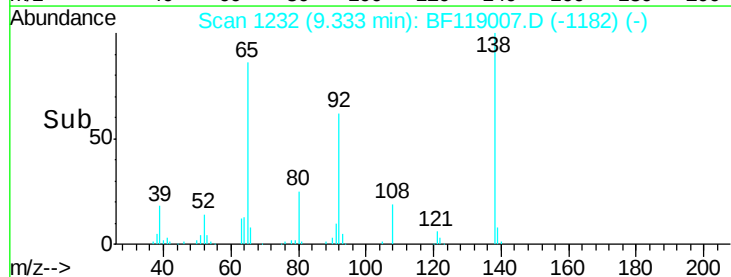
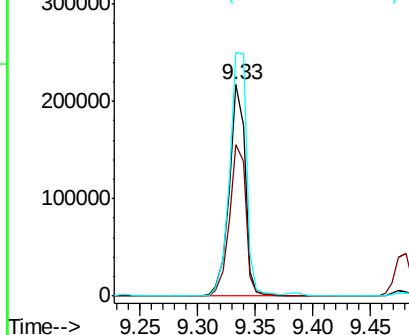


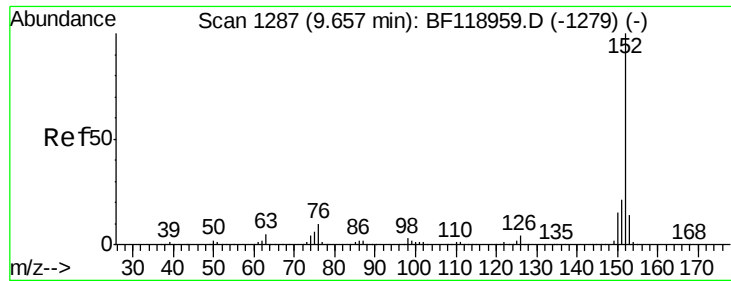
#48
2-Nitroaniline
Concen: 36.395 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.6	58.6	87.8
138	115.3	97.5	146.3



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 38.978 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:152 Resp: 1155674

Ion Ratio Lower Upper

152 100

151 20.6 16.7 25.1

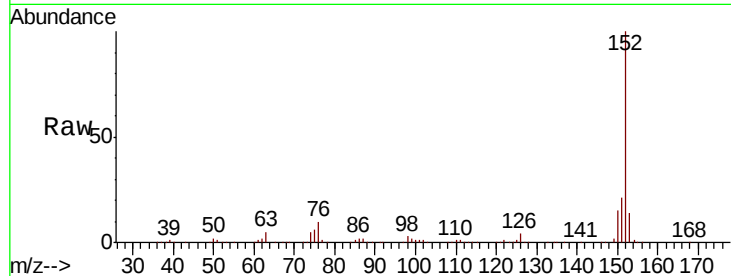
153 13.8 10.9 16.3

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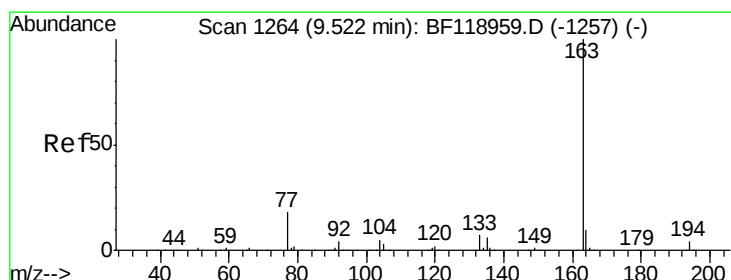
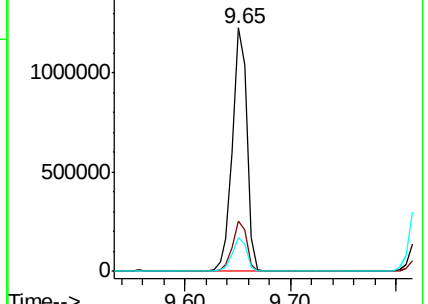
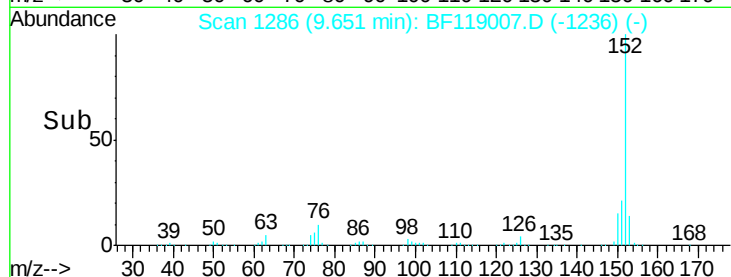
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.744 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

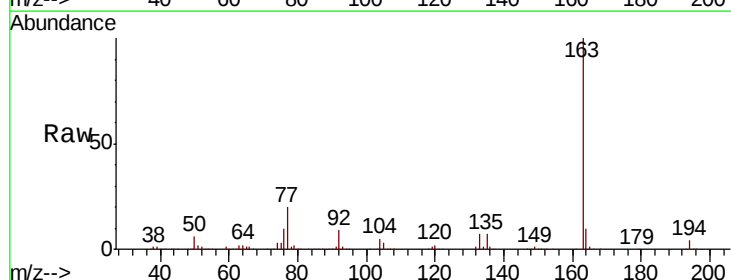
Tgt Ion:163 Resp: 1126658

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

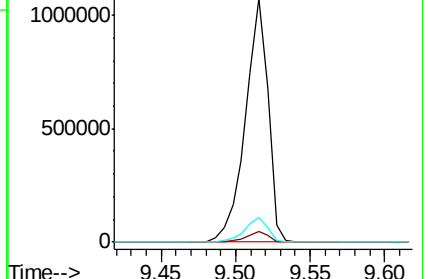
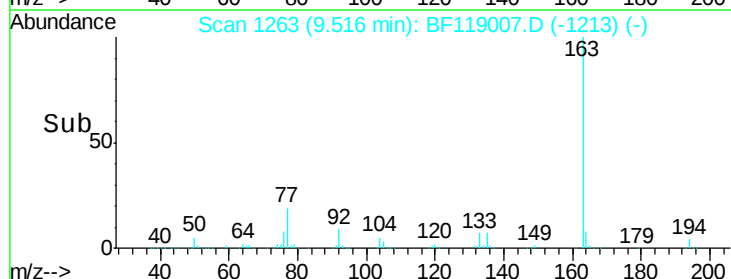
164 10.3 8.2 12.2

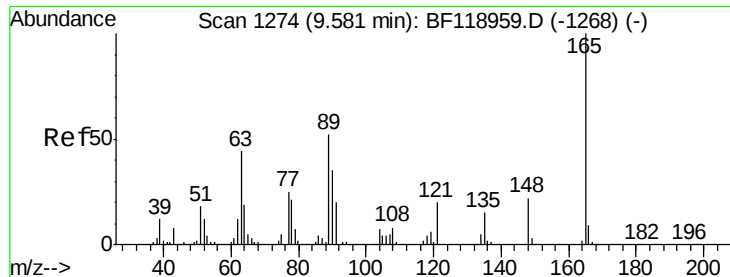


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 38.079 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

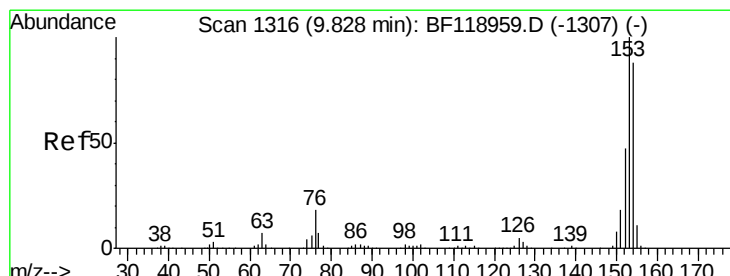
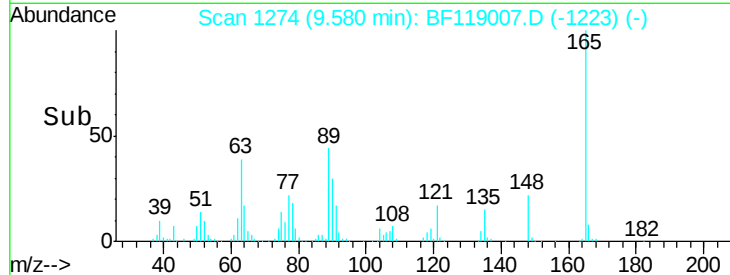
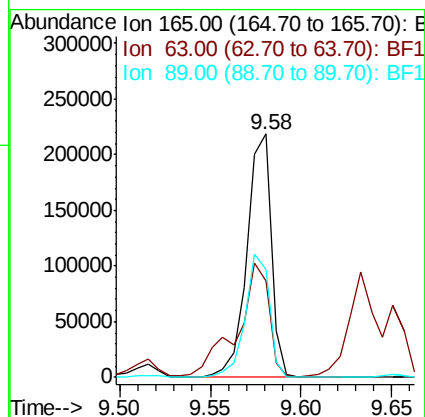
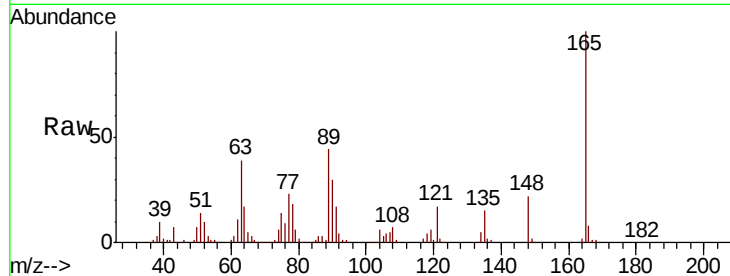
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		203910		
63	39.4	37.9	56.9		
89	44.4	41.4	62.0		

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#52

Acenaphthene

Concen: 37.008 ng

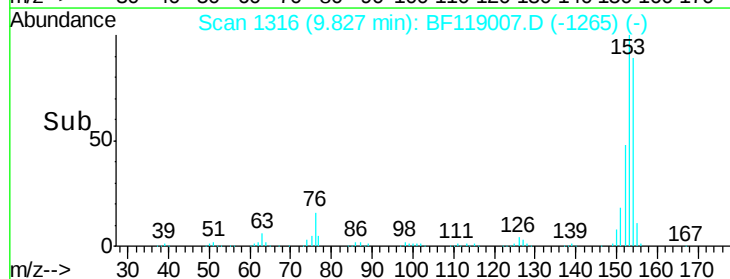
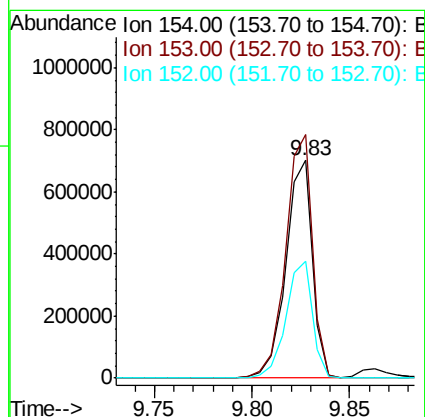
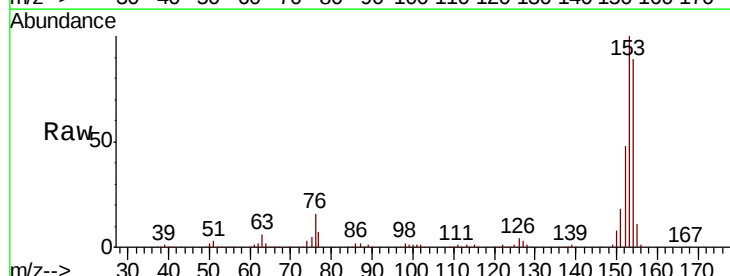
RT: 9.83 min Scan# 1316

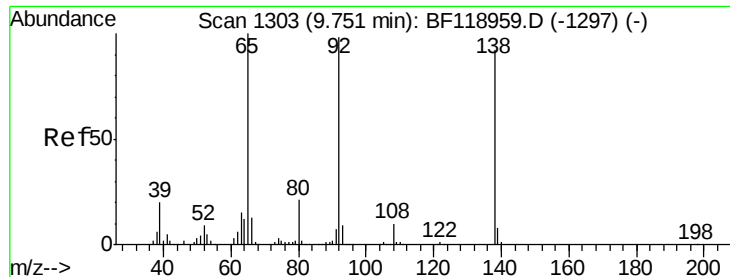
Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		661636		
153	112.0	90.4	135.6		
152	53.7	42.9	64.3		





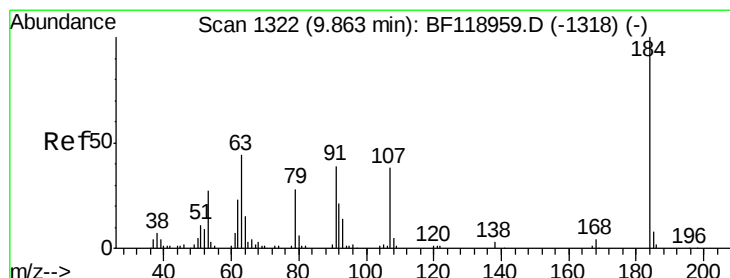
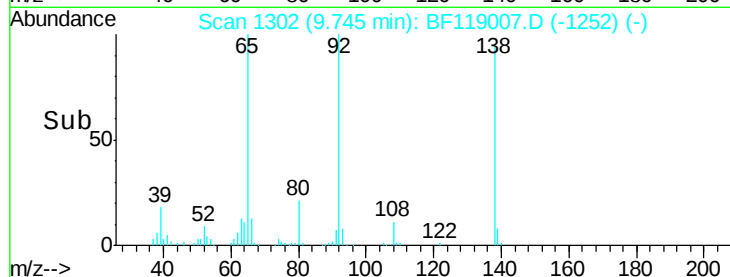
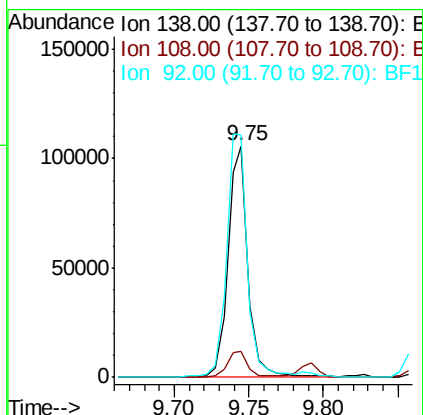
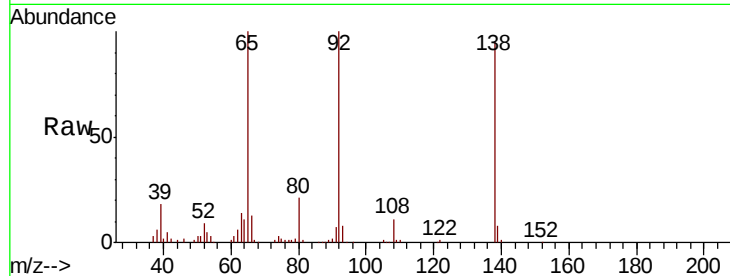
#53
3-Nitroaniline
Concen: 16.881 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	100214		
108	11.1		8.6	13.0
92	104.9		84.6	127.0

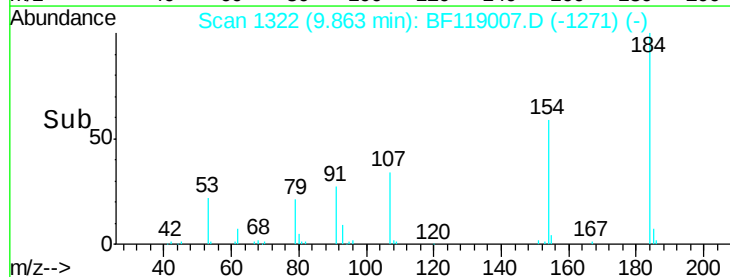
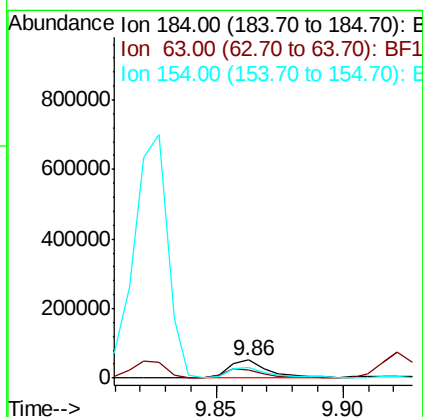
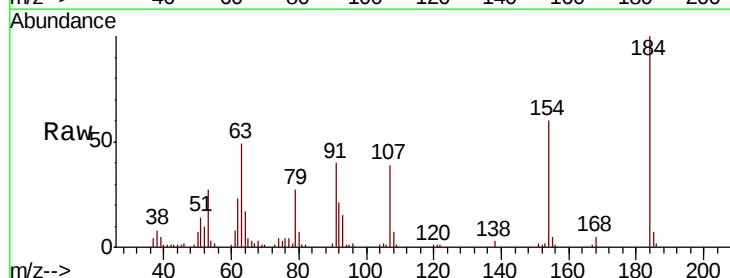
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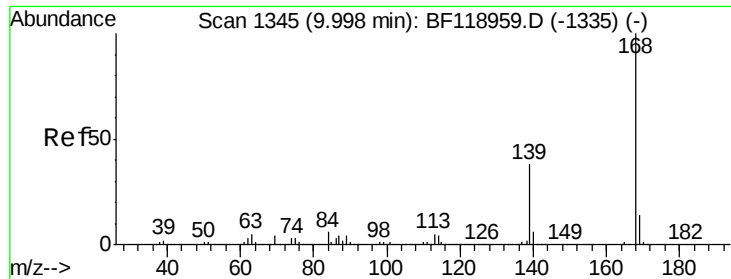
mohammad
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#54
2,4-Dinitrophenol
Concen: 27.304 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	56925		
63	48.5		37.8	56.6
154	59.7		47.6	71.4





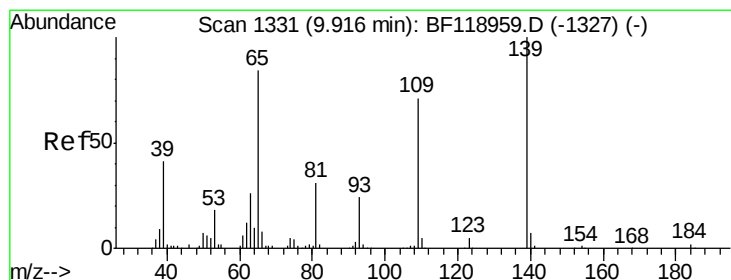
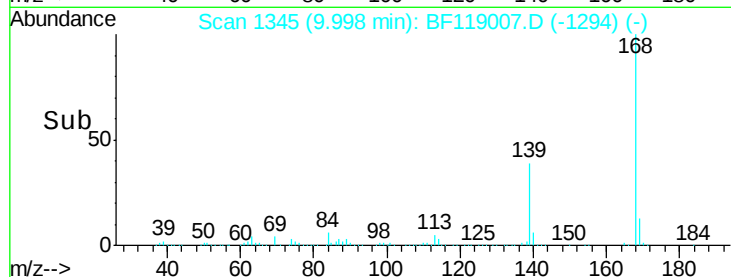
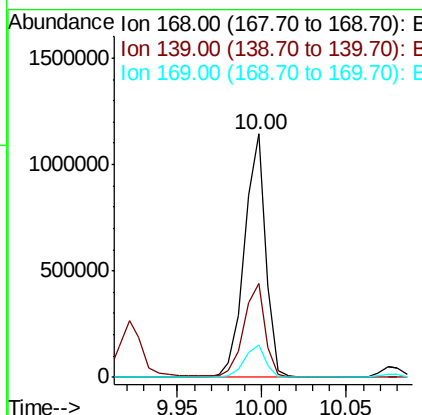
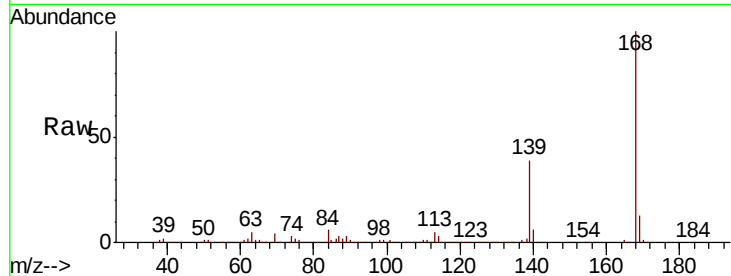
#55
Dibenzenofuran
Concen: 37.834 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.7	47.5
169	13.3	11.0	16.4

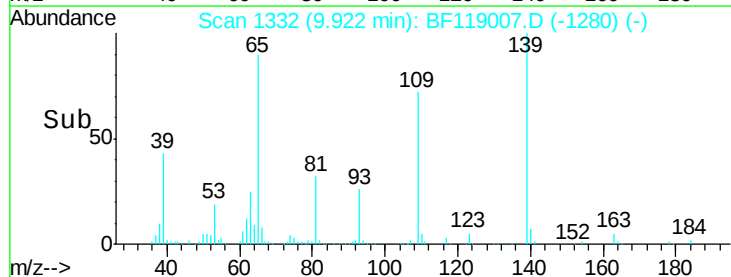
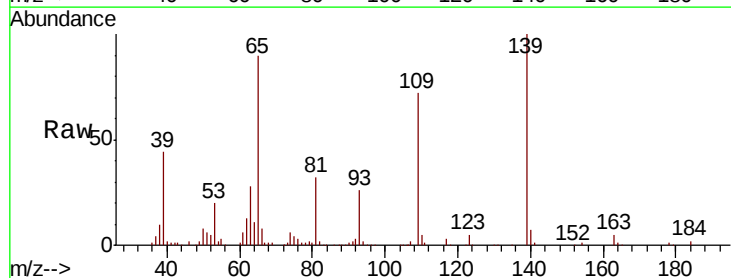
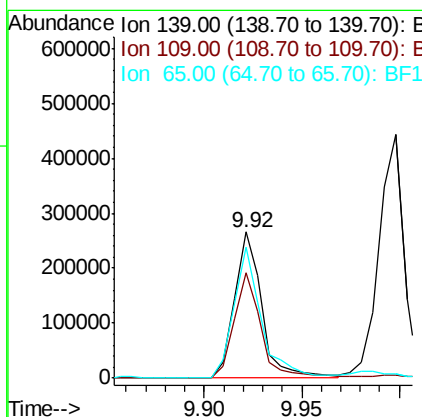
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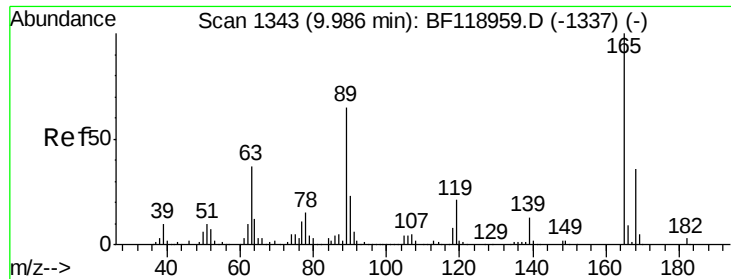
mohammad
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#56
4-Nitrophenol
Concen: 72.667 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.2	51.1	91.1
65	89.9	64.7	104.7





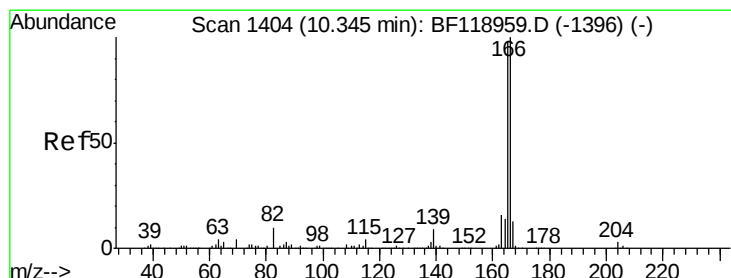
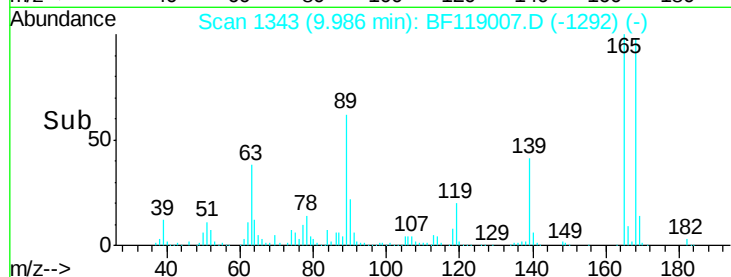
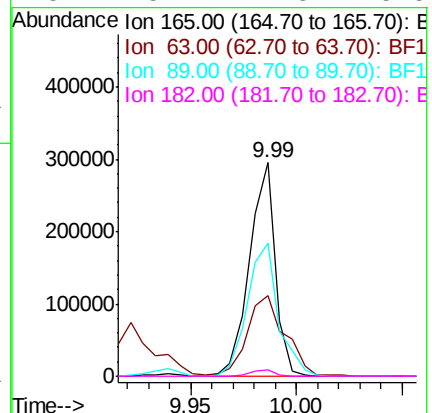
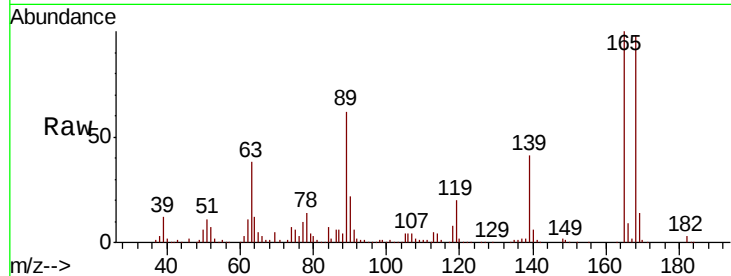
#57
 2,4-Dinitrotoluene
 Concen: 35.831 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		248703		
63	38.0	29.8	44.8		
89	62.3	51.9	77.9		
182	3.1	2.3	3.5		

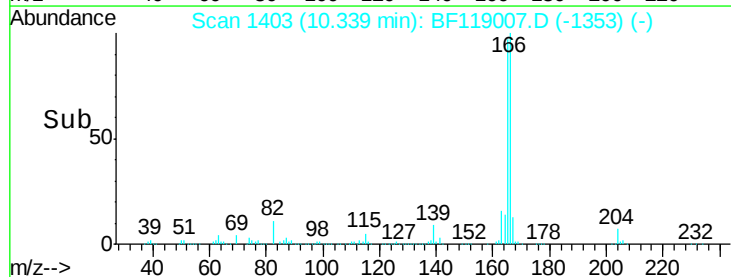
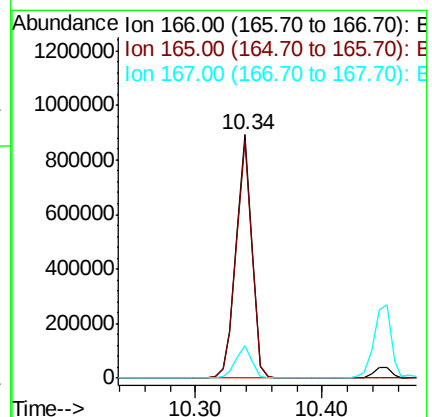
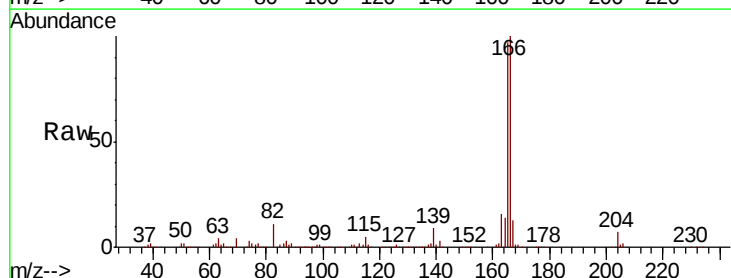
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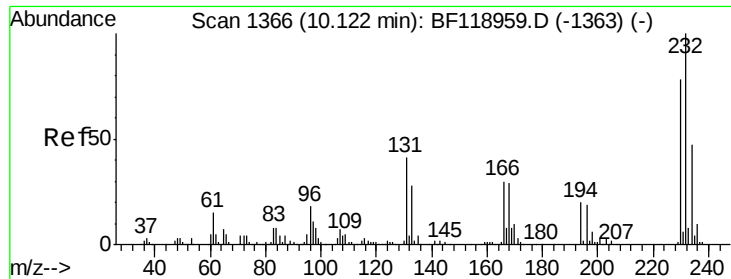
mohammad
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#58
 Fluorene
 Concen: 36.956 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		766310		
165	97.3	78.2	117.4		
167	13.5	10.6	16.0		





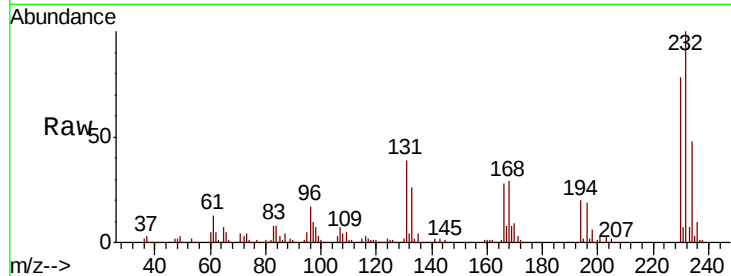
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 35.598 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

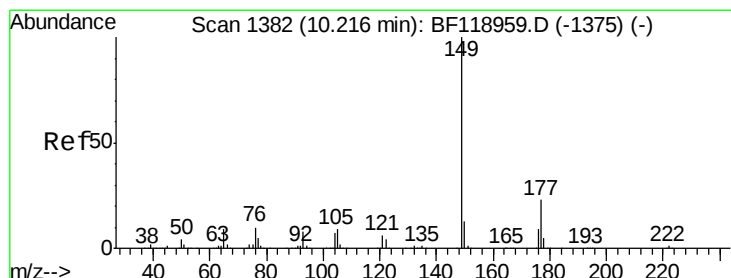
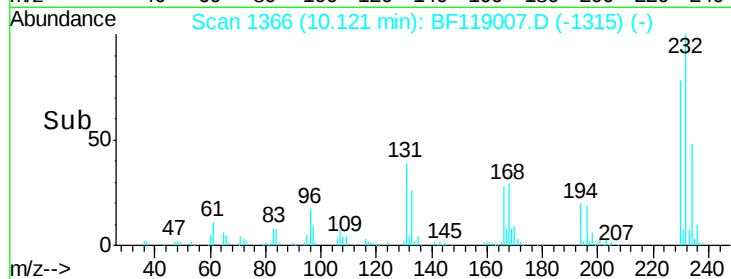
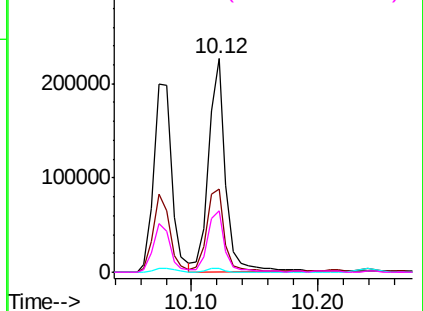
Tot Ion	Ratio	Lower	Upper
232	100		
131	41.0	34.0	51.0
130	2.1	1.6	2.4
166	28.8	23.6	35.4

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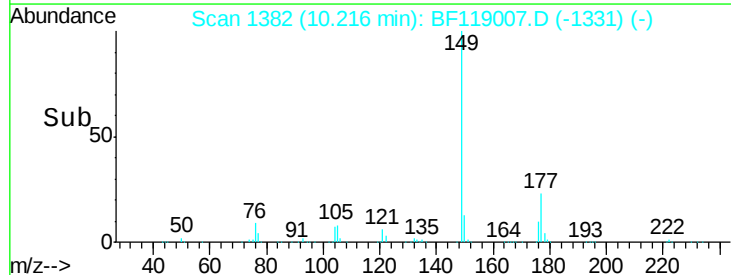
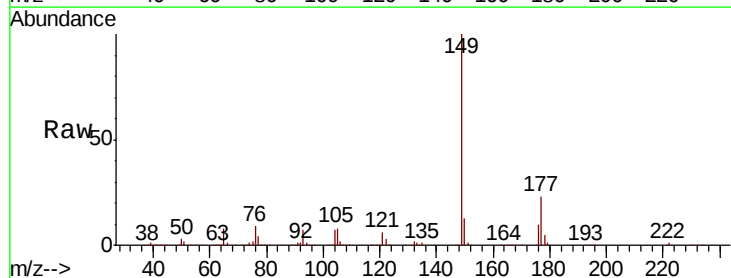
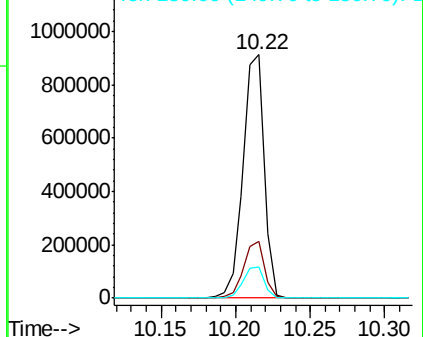
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

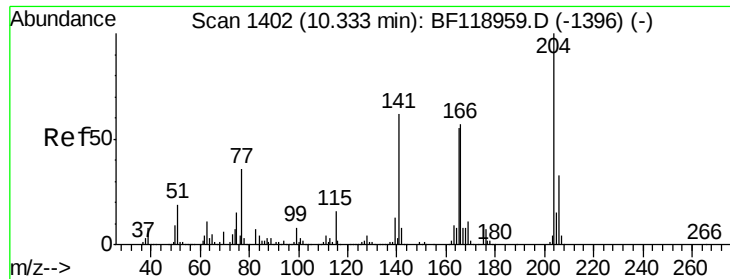


#60
 Diethylphthalate
 Concen: 39.635 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.1	27.1
150	12.6	10.4	15.6

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





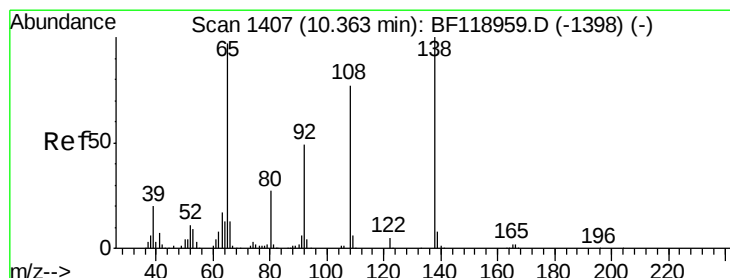
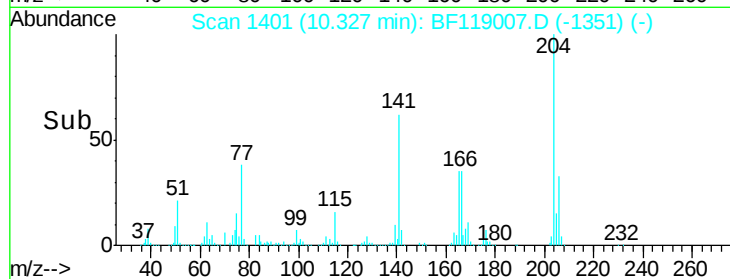
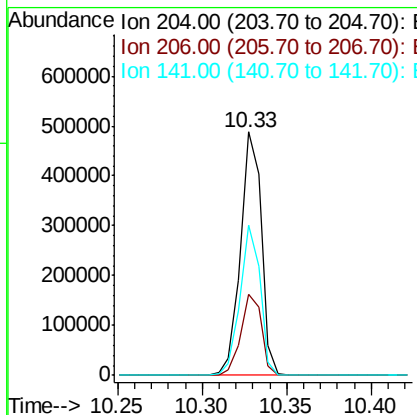
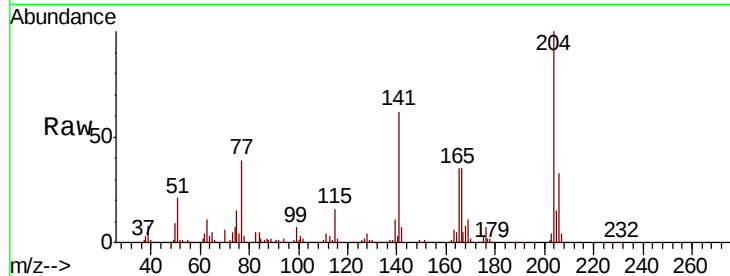
#61
 4-Chlorophenyl-phenylether
 Concen: 38.276 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion:	204	Resp:	420114
Ion Ratio		Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.6	49.5	74.3

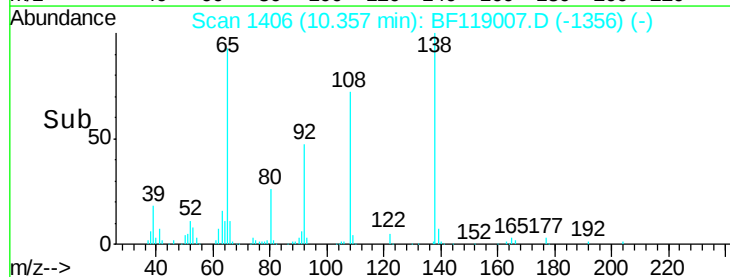
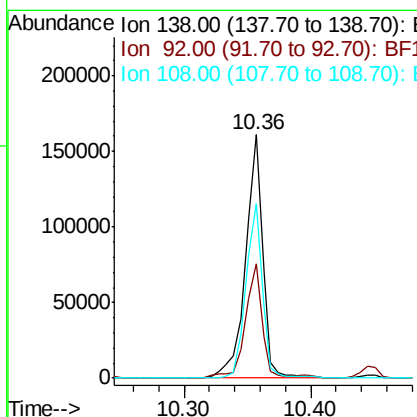
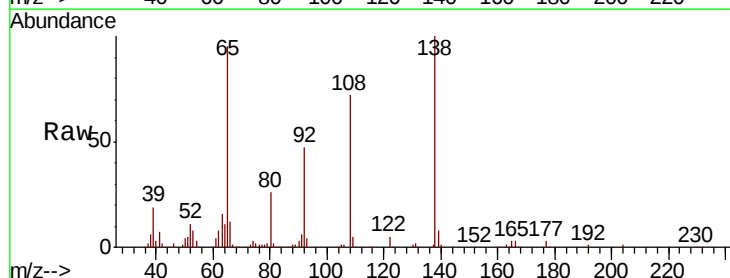
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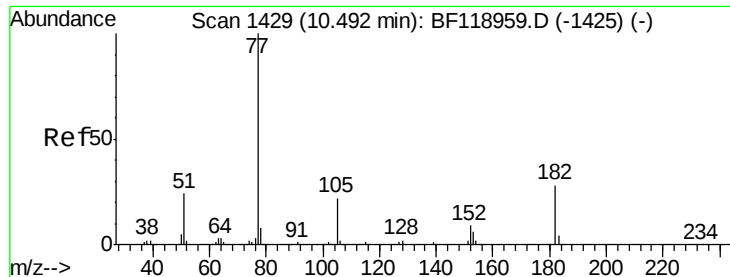
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#62
 4-Nitroaniline
 Concen: 24.895 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion:	138	Resp:	151205
Ion Ratio		Lower	Upper
138	100		
92	47.0	28.7	68.7
108	71.9	56.8	96.8





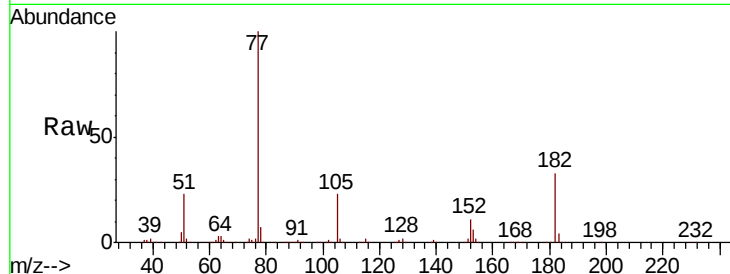
#63
Azobenzene
Concen: 36.818 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

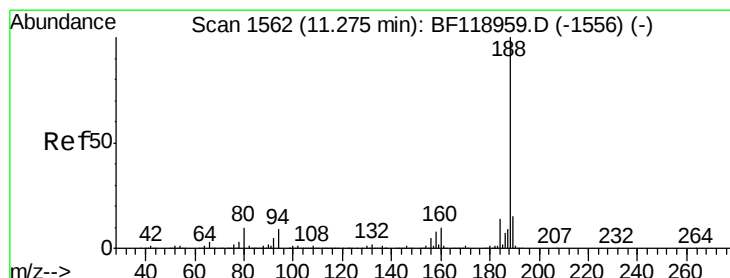
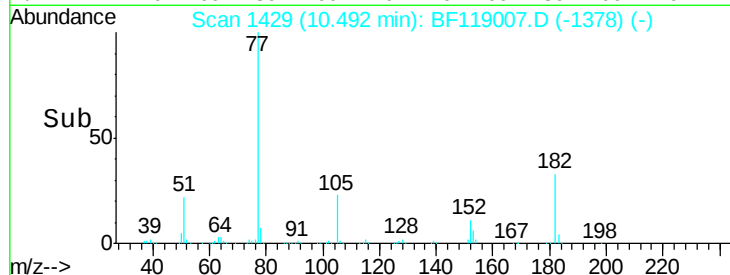
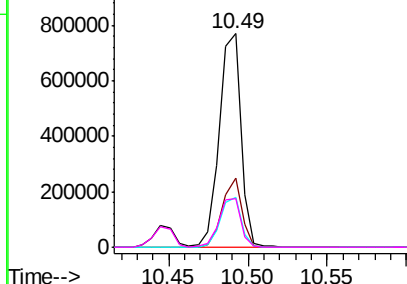
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	32.7	8.2	48.2	
105	23.1	2.3	42.3	
51	22.5	3.6	43.6	

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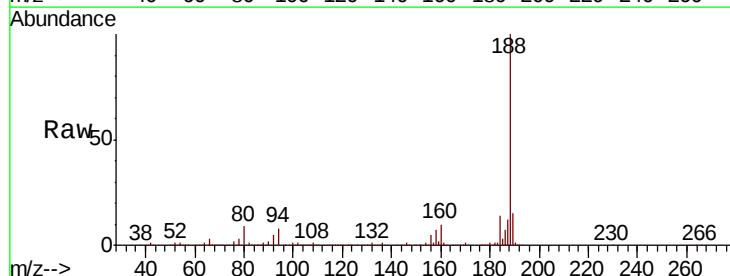


Abundance Ion 77.00 (76.70 to 77.70): BF1
1200000
Ion 182.00 (181.70 to 182.70): BF1
1000000
Ion 105.00 (104.70 to 105.70): BF1
500000
Ion 51.00 (50.70 to 51.70): BF1

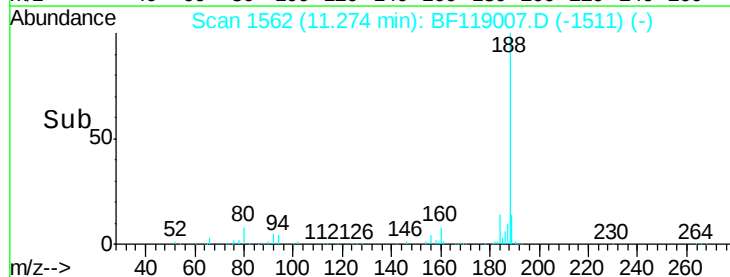
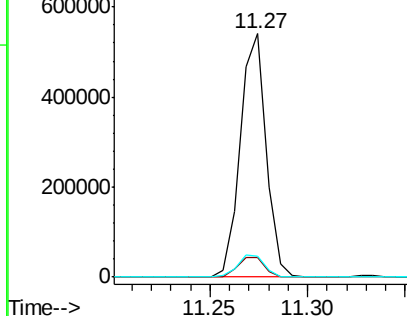


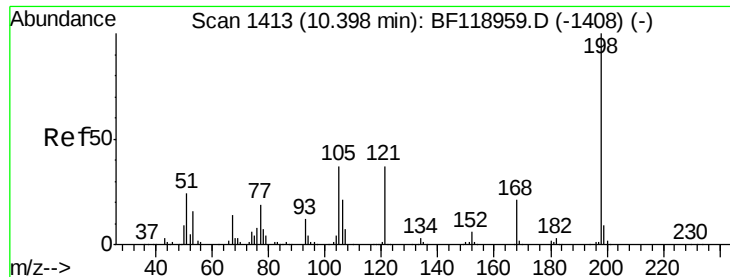
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.3	7.0	10.6	
80	8.7	7.9	11.9	



Abundance Ion 188.00 (187.70 to 188.70): BF1
600000
Ion 94.00 (93.70 to 94.70): BF1
400000
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 19.609 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:198 Resp: 59035

Ion Ratio Lower Upper

198 100

51 27.4 7.1 47.1

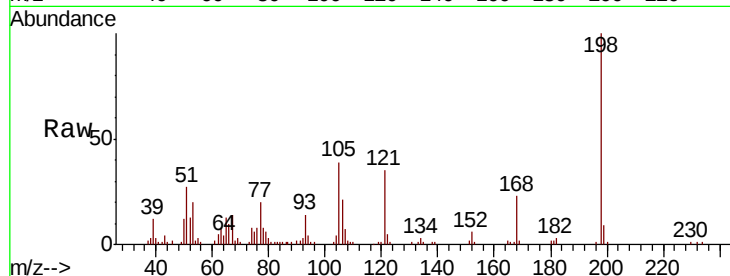
105 38.9 18.3 58.3

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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

200000

150000

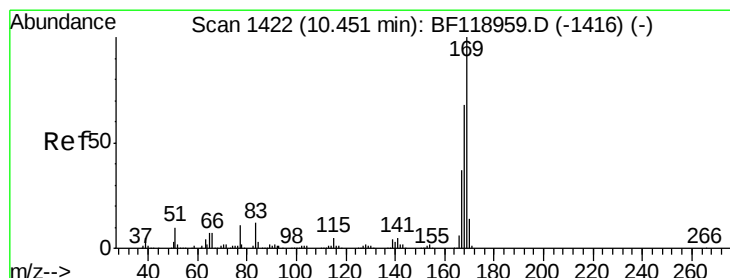
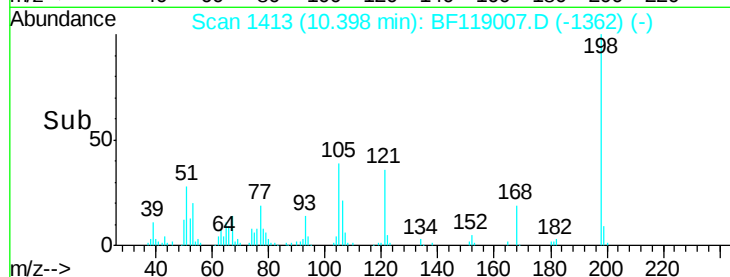
100000

50000

0

10.35 10.40 10.45 10.50

Time-->



#66

n-Nitrosodiphenylamine

Concen: 43.143 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

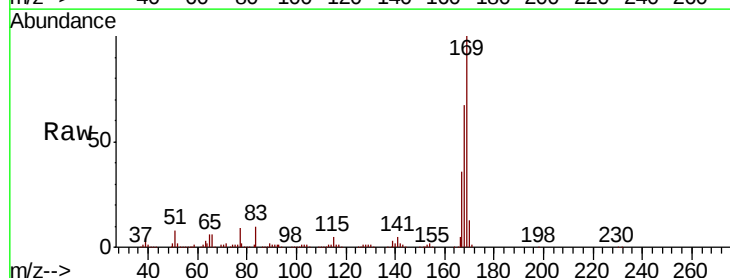
Tgt Ion:169 Resp: 702850

Ion Ratio Lower Upper

169 100

168 67.5 54.2 81.2

167 36.0 29.4 44.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

1000000

800000

600000

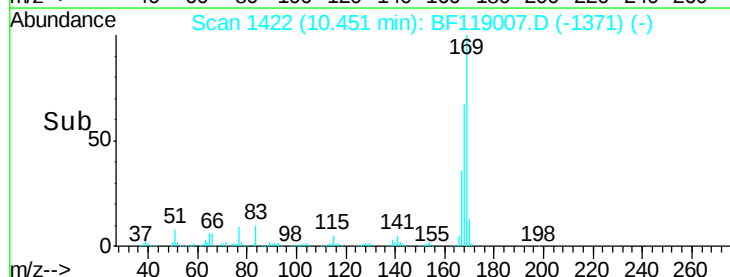
400000

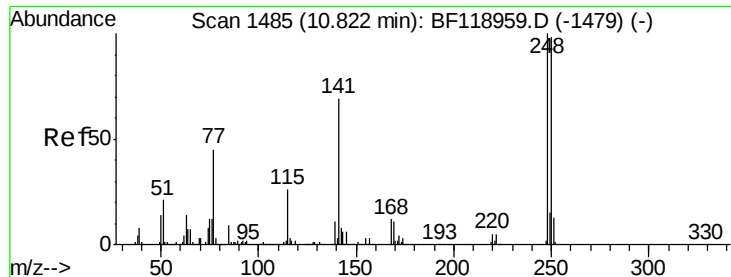
200000

0

10.40 10.45 10.50

Time-->





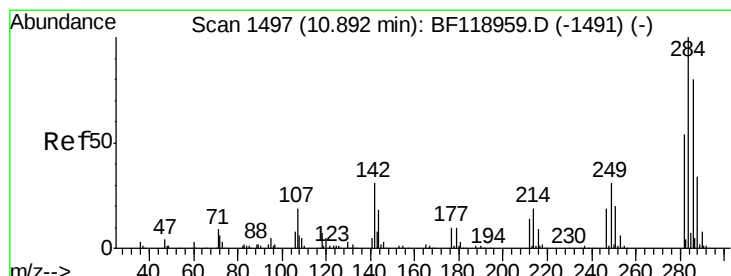
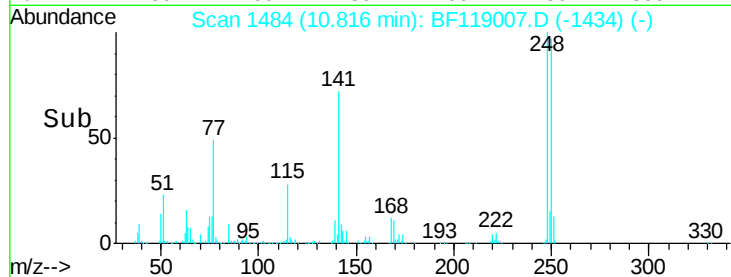
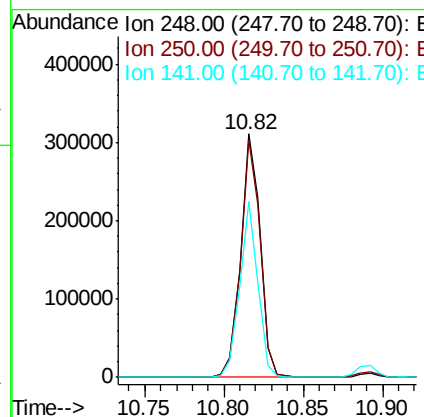
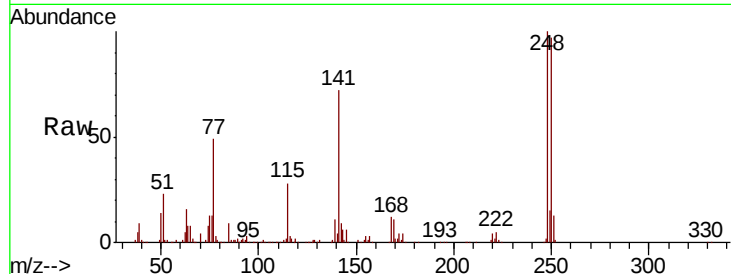
#67
4-Bromophenyl-phenylether
Concen: 40.787 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.8	118.2
141	72.3	55.3	82.9

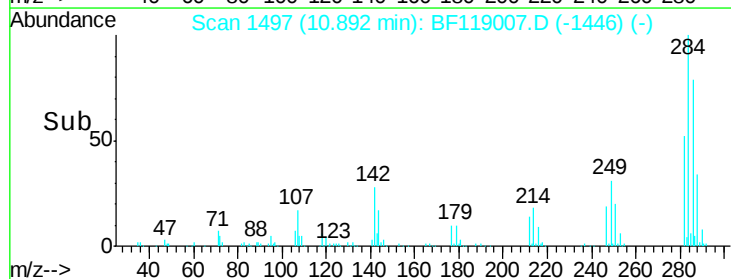
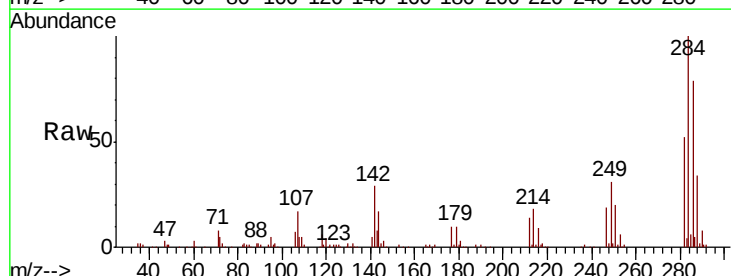
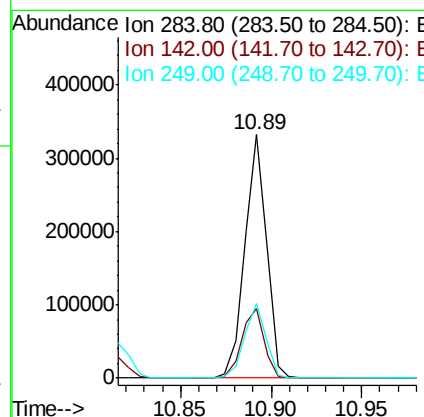
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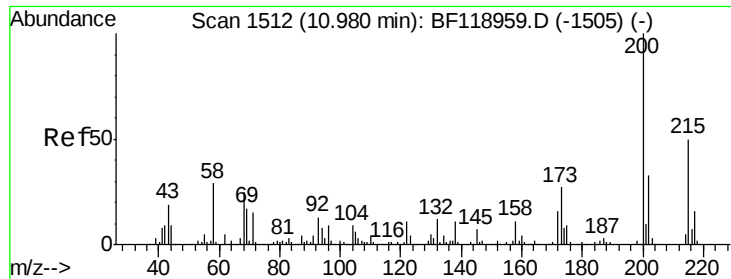
mohammad
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#68
Hexachlorobenzene
Concen: 36.630 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.7	25.0	37.6
249	30.7	25.0	37.4





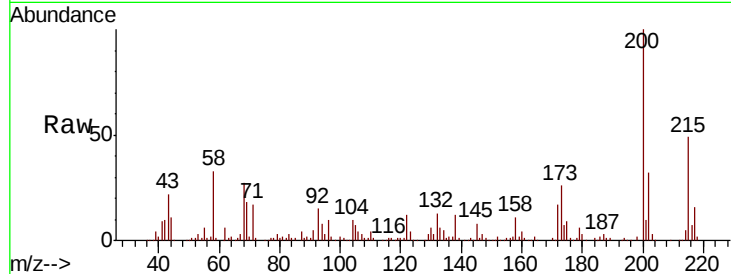
#69
Atrazine
Concen: 42.238 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

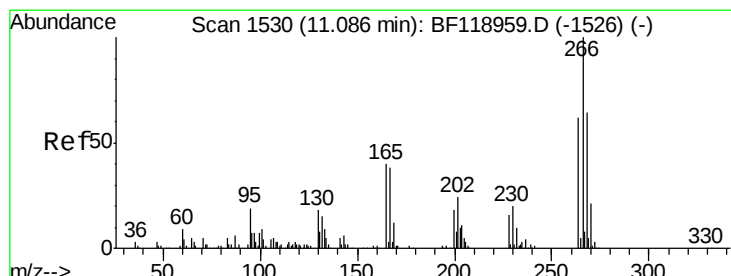
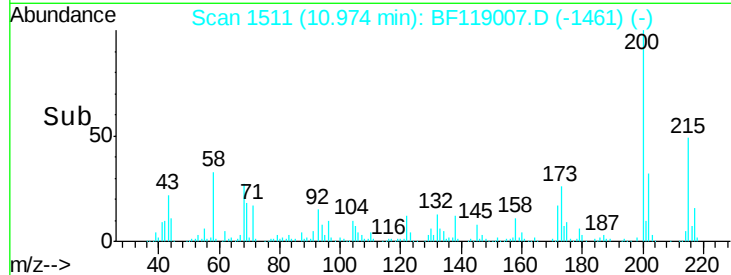
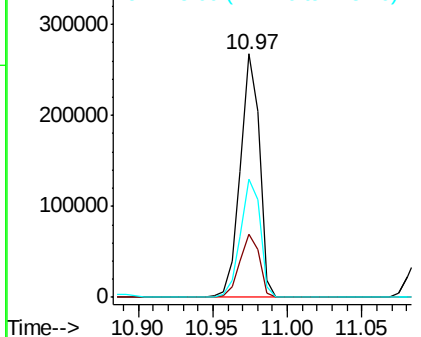
Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.9	6.9	46.9
215	48.5	29.7	69.7

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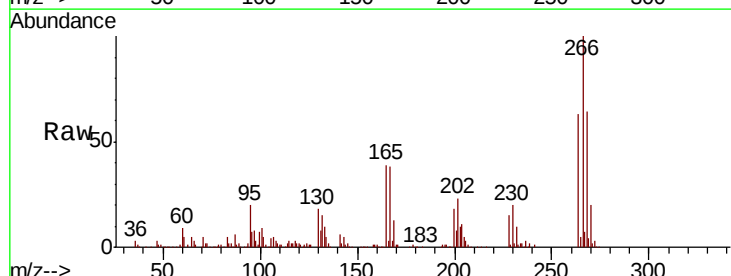


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

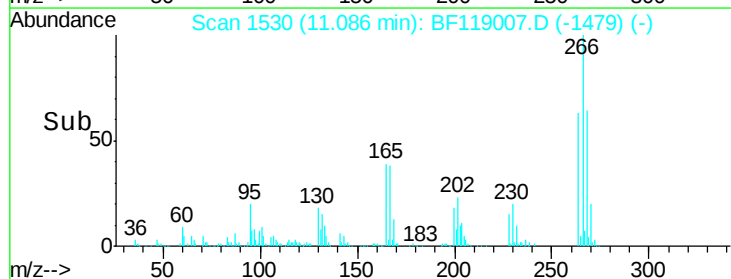
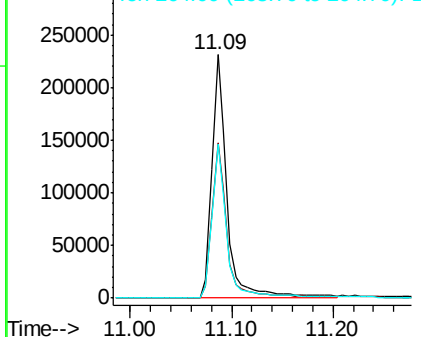


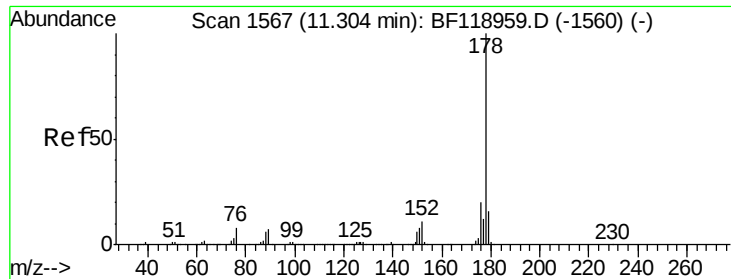
#70
Pentachlorophenol
Concen: 80.201 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.8	51.4	77.0
264	63.3	49.5	74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 38.405 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:178 Resp: 1042055

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

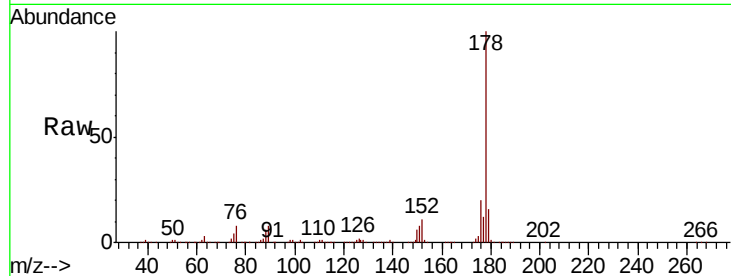
179 16.0 12.6 18.8

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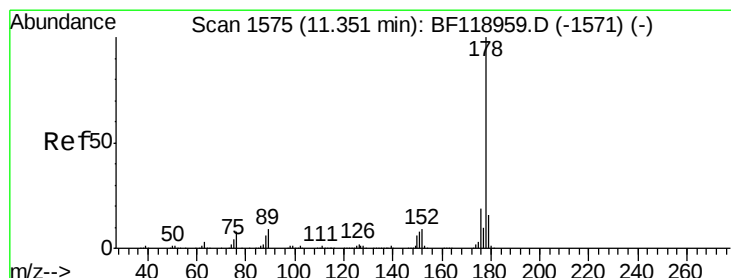
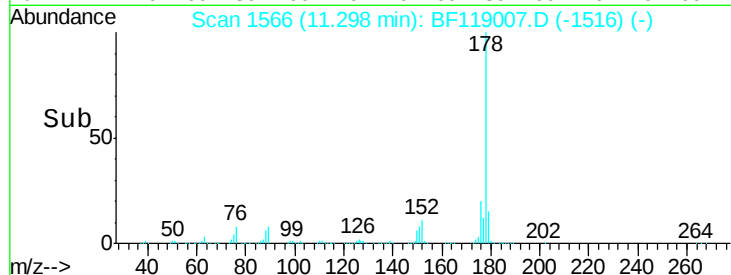
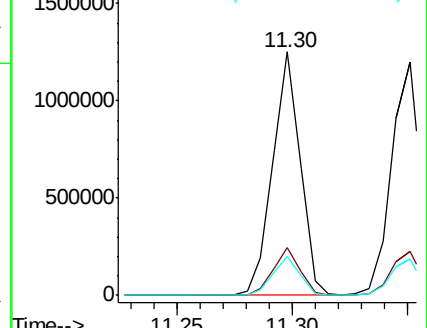
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 39.233 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion:178 Resp: 1063636

Ion Ratio Lower Upper

178 100

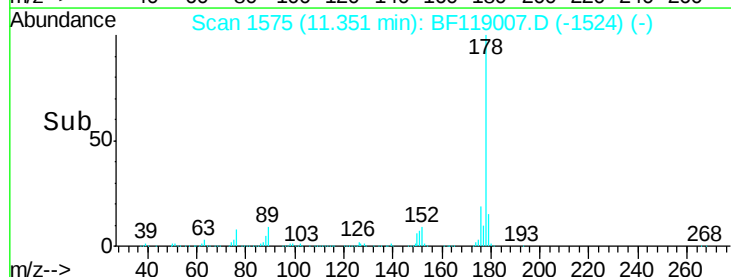
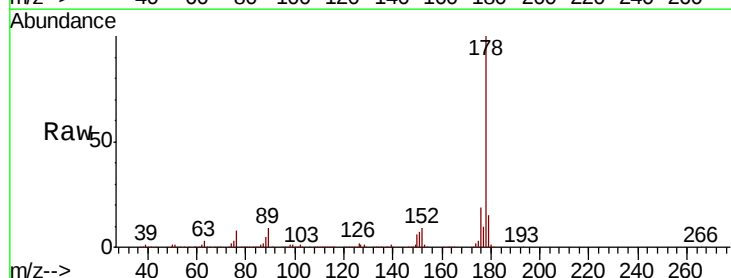
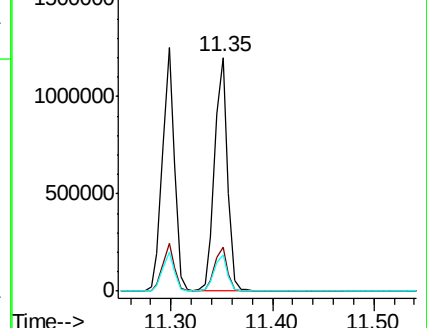
176 18.9 15.4 23.2

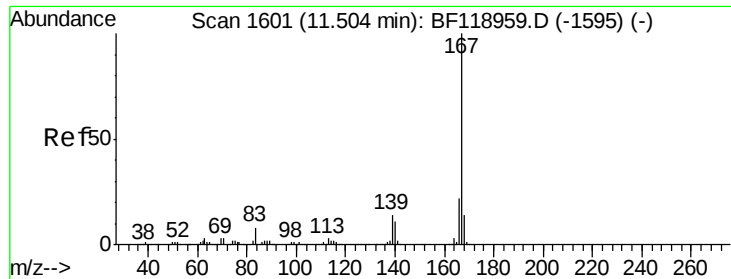
179 15.5 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





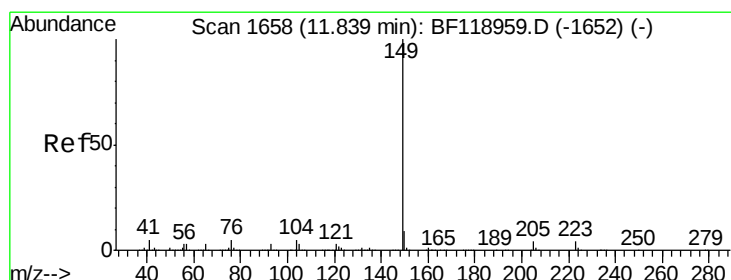
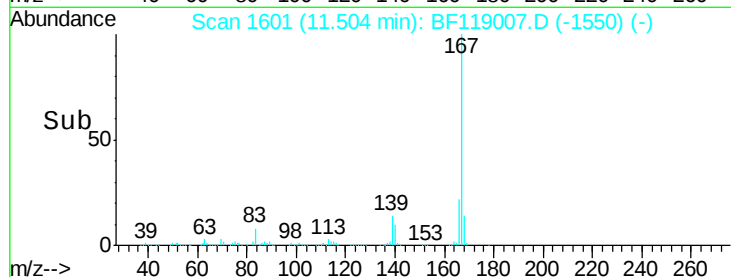
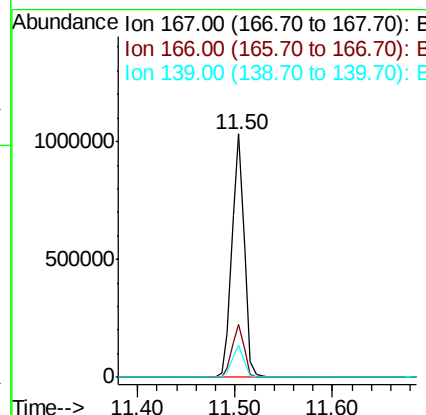
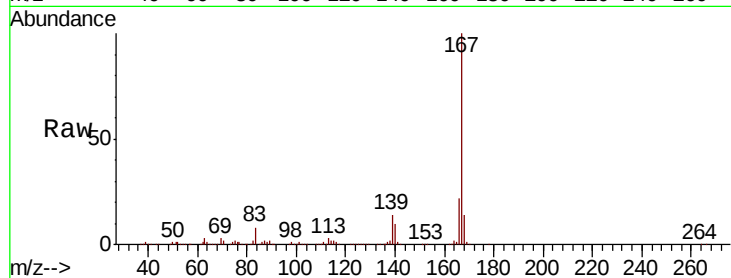
#73
 Carbazole
 Concen: 37.466 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.6
139	13.5	11.2	16.8

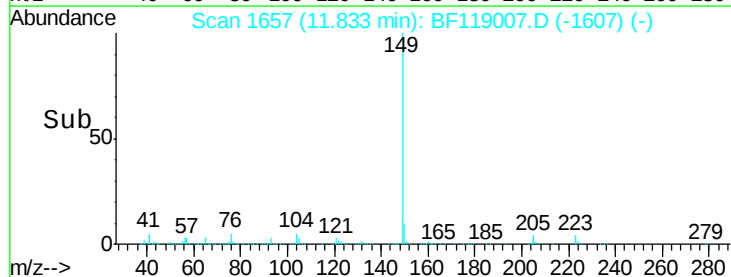
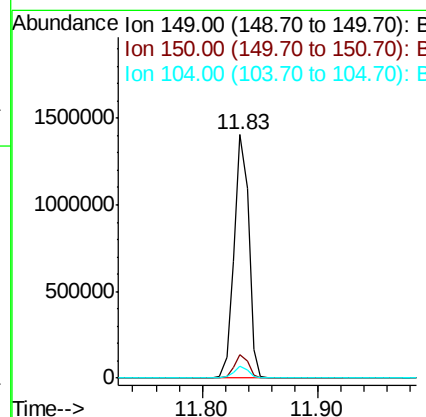
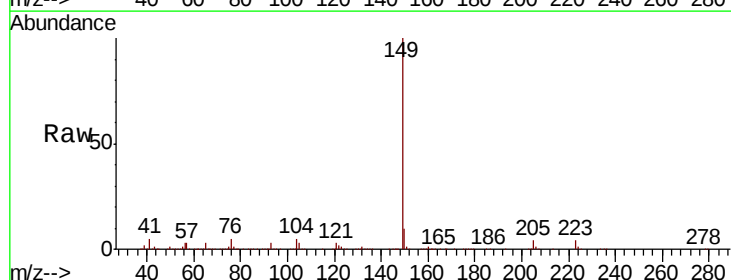
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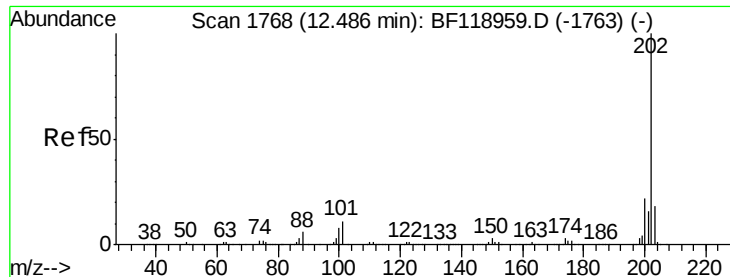
mohammad
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#74
 Di-n-butylphthalate
 Concen: 42.159 ng
 RT: 11.83 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.5	11.3
104	5.1	4.0	6.0





#75

Fluoranthene

Concen: 35.870 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

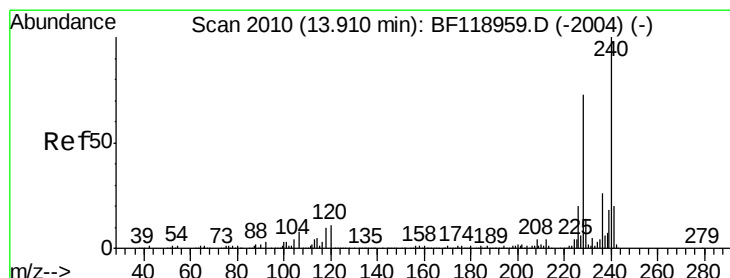
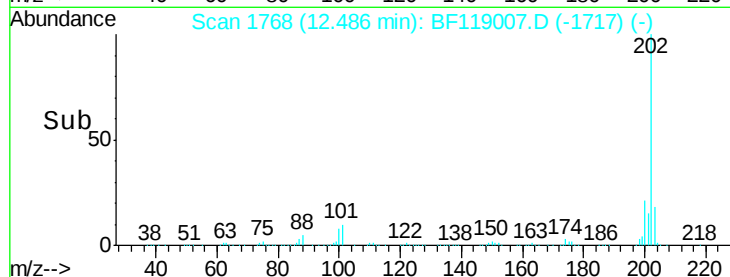
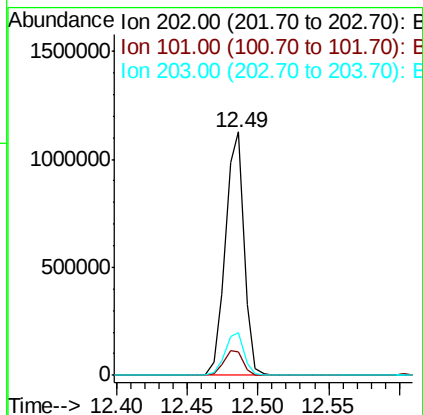
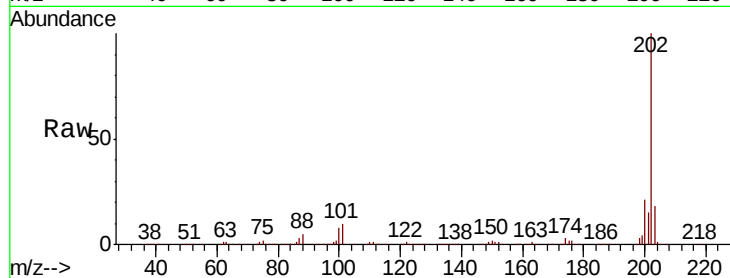
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:	202	Resp:	1033084
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.1
203	17.6	0.0	38.1

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#76

Chrysene-d12

Concen: 20.000 ng

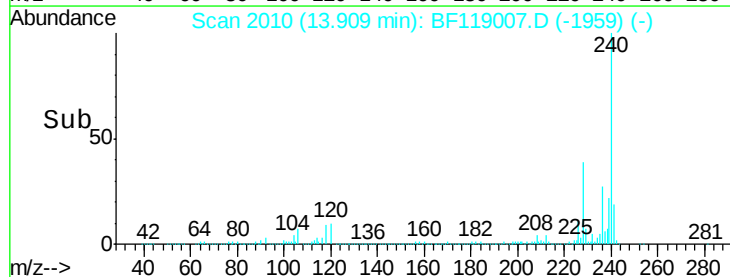
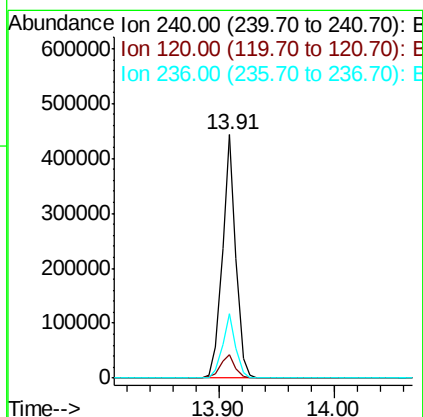
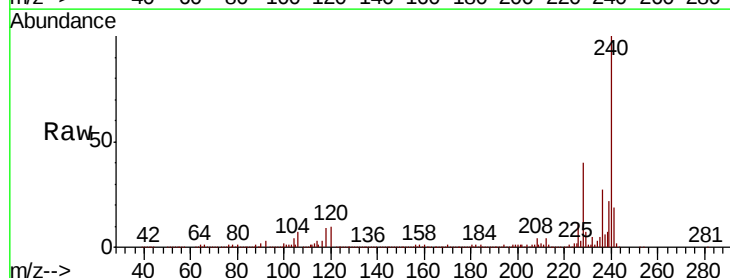
RT: 13.91 min Scan# 2010

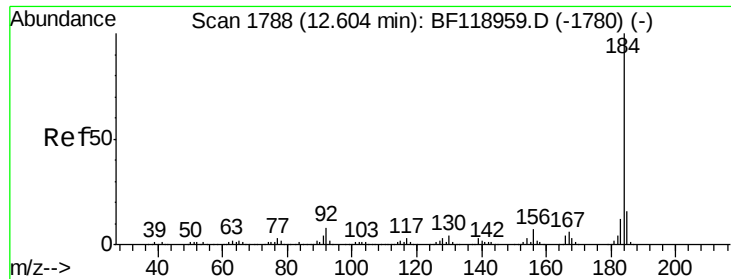
Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion:	240	Resp:	356329
Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.9	13.3
236	26.5	20.6	30.8





#77

Benzidine

Concen: 45.911 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

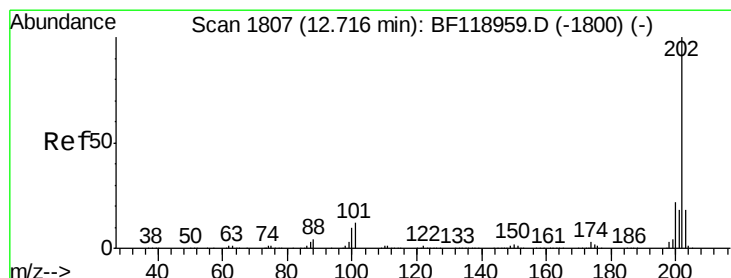
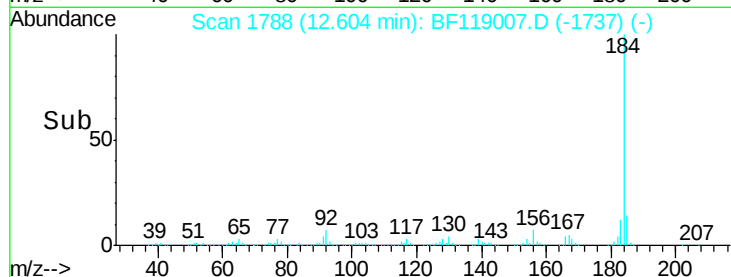
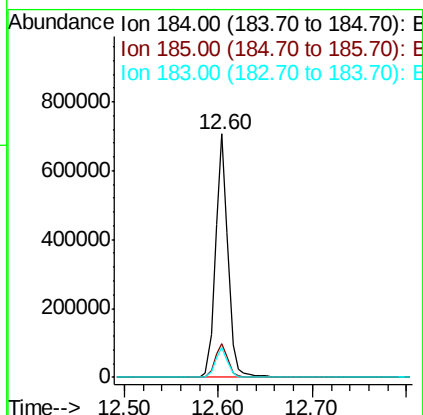
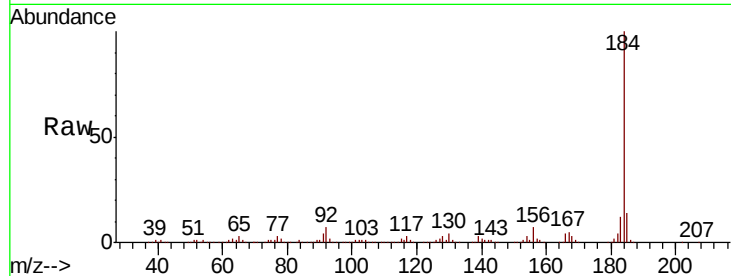
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:184	Resp:	665327
Ion Ratio	Lower	Upper
184	100	
185	14.0	12.6 19.0
183	12.2	9.9 14.9

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#78

Pyrene

Concen: 36.093 ng

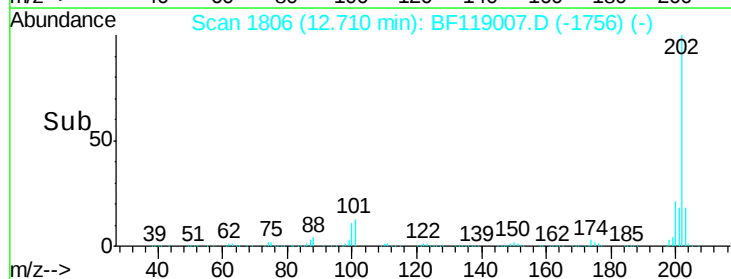
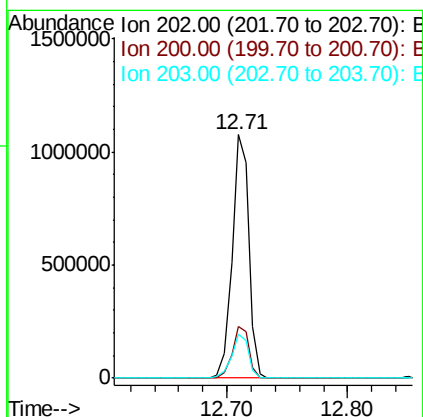
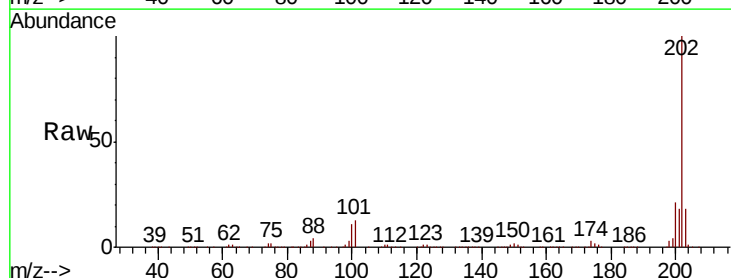
RT: 12.71 min Scan# 1806

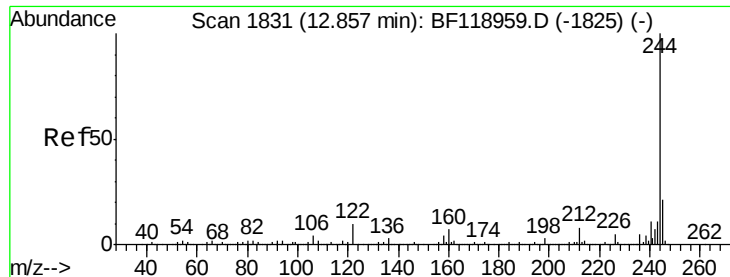
Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion:202	Resp:	1032712
Ion Ratio	Lower	Upper
202	100	
200	21.3	17.4 26.0
203	18.0	14.5 21.7





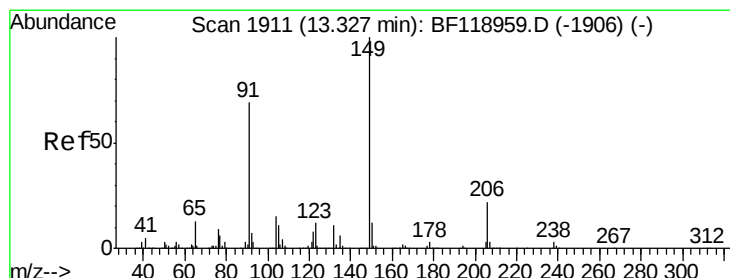
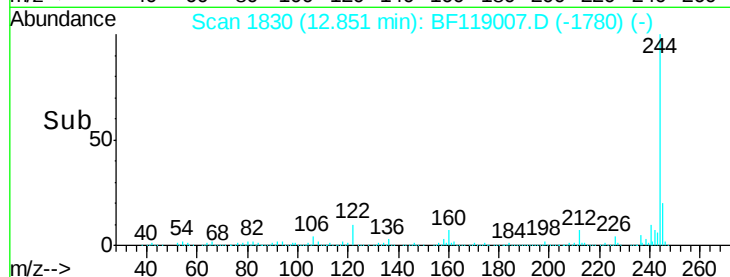
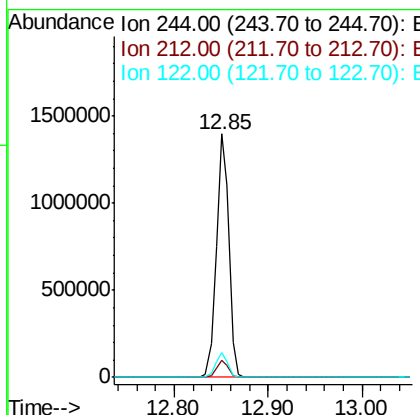
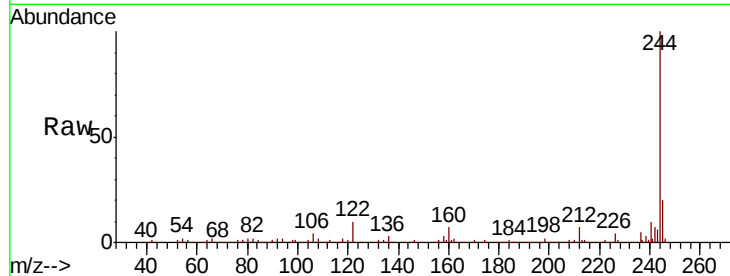
#79
 Terphenyl-d14
 Concen: 63.299 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion:244 Resp: 1310087
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 10.3 8.4 12.6

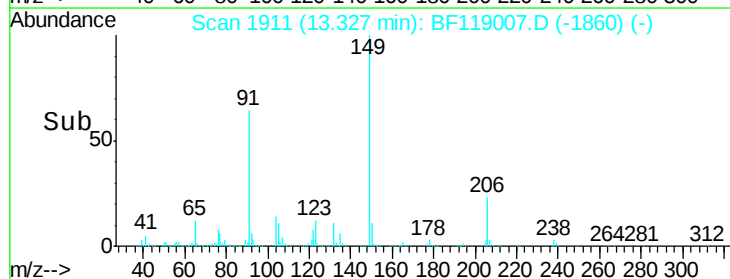
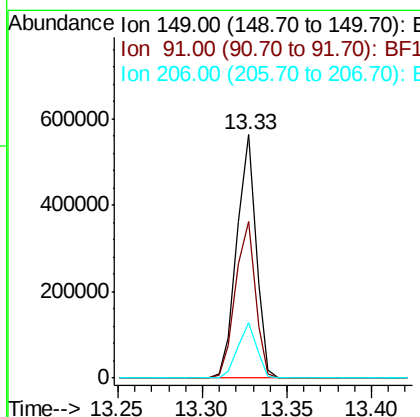
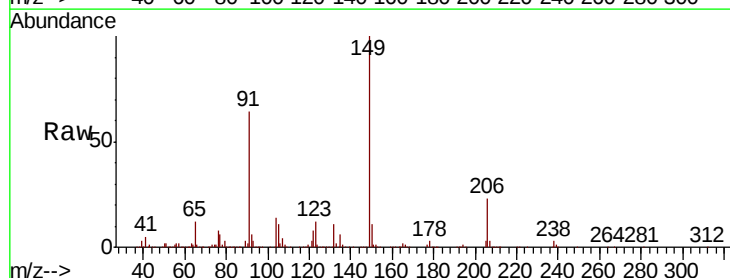
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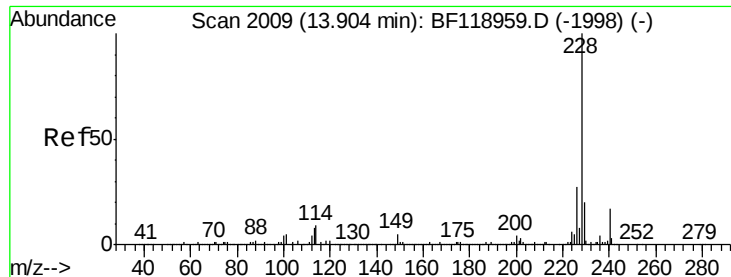
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#80
 Butylbenzylphthalate
 Concen: 37.235 ng
 RT: 13.33 min Scan# 1911
 Delta R.T. -0.00 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion:149 Resp: 448399
 Ion Ratio Lower Upper
 149 100
 91 64.2 55.4 83.2
 206 23.0 17.7 26.5





#81

Benzo(a)anthracene

Concen: 38.385 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

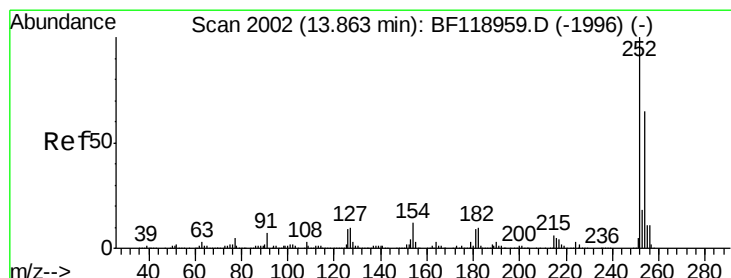
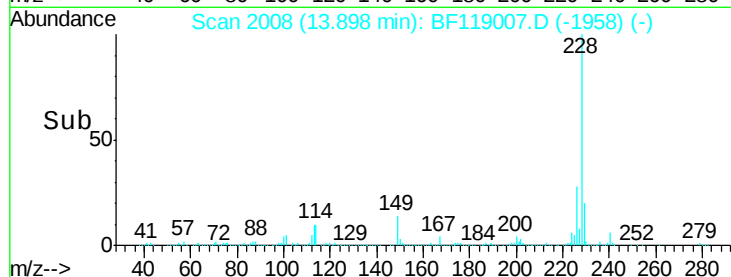
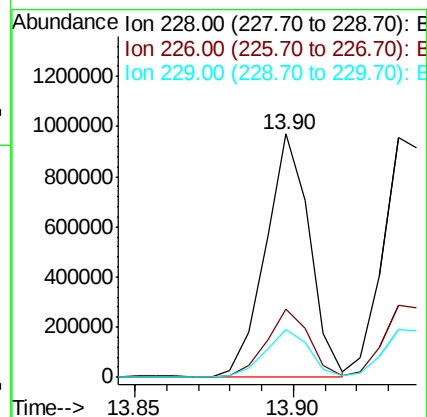
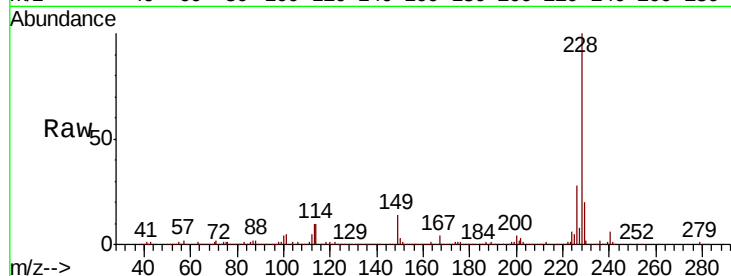
ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:	228	Resp:	931961
Ion Ratio	Lower	Upper	
228	100		
226	27.8	21.8	32.8
229	19.8	16.0	24.0

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#82

3,3'-Dichlorobenzidine

Concen: 37.516 ng

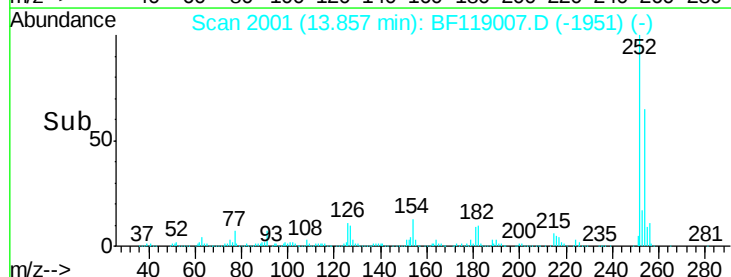
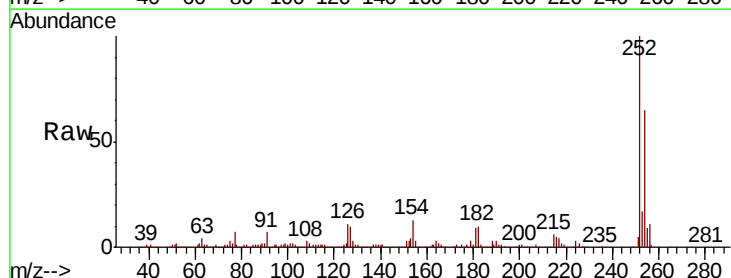
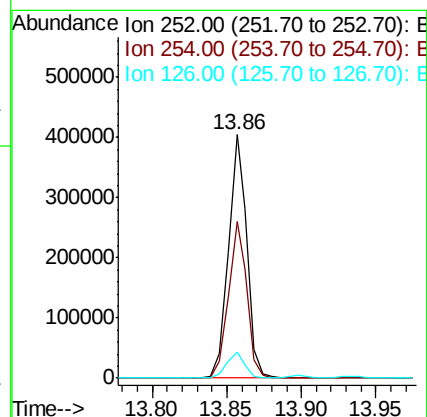
RT: 13.86 min Scan# 2001

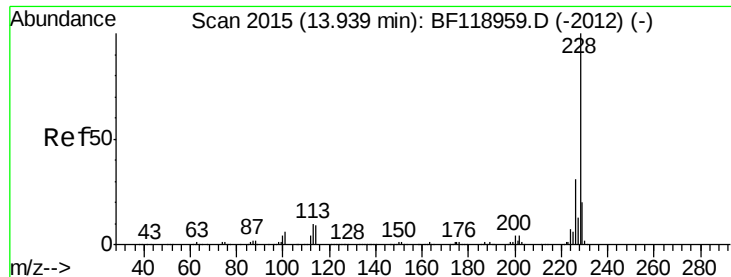
Delta R.T. -0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Tgt Ion:	252	Resp:	353684
Ion Ratio	Lower	Upper	
252	100		
254	64.6	52.1	78.1
126	10.8	7.3	10.9





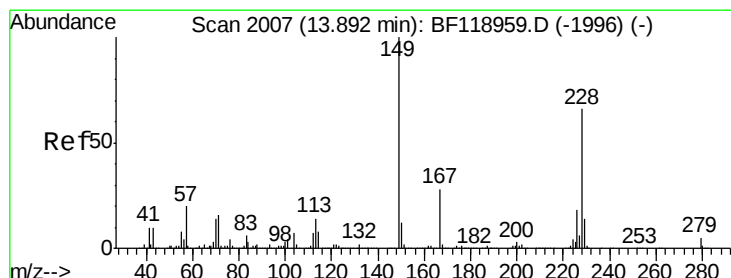
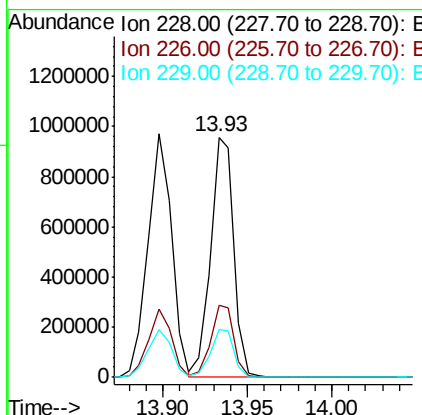
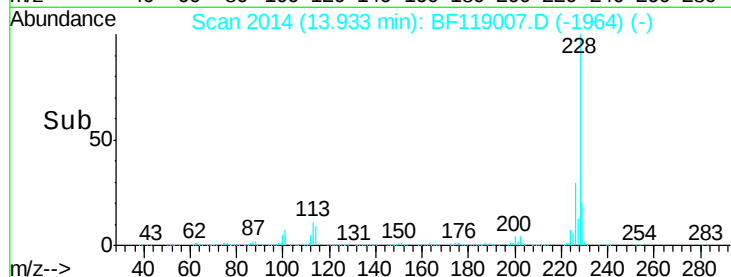
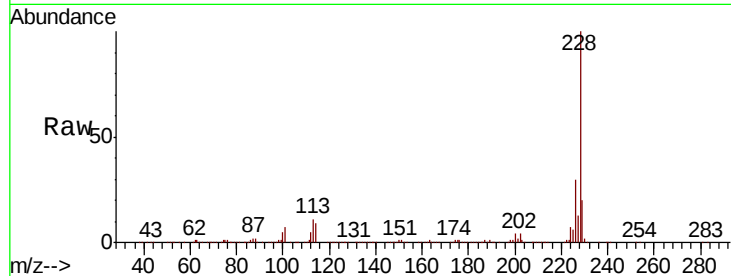
#83
 Chrvsene
 Concen: 37.890 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.1	16.2	24.2

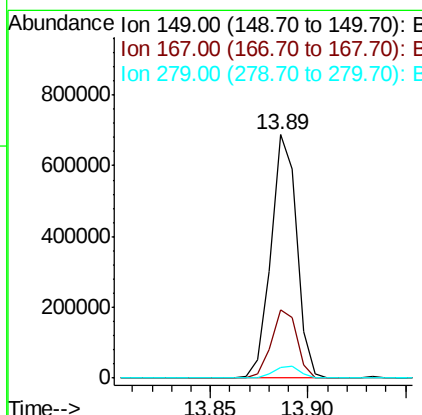
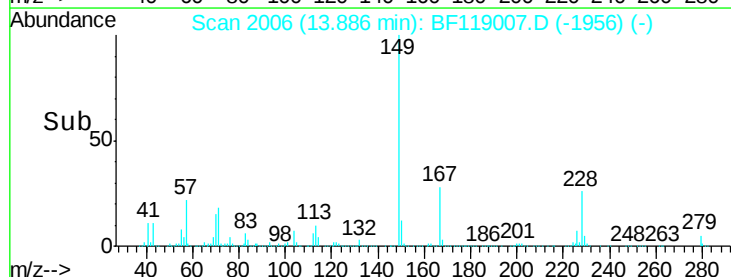
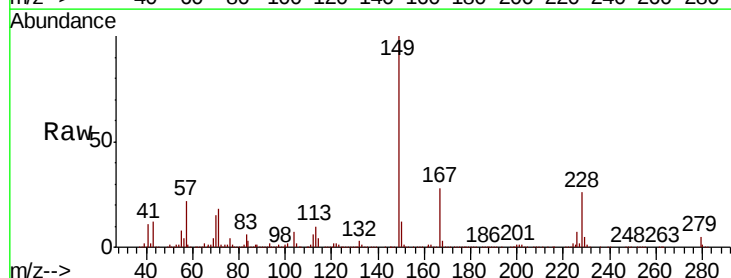
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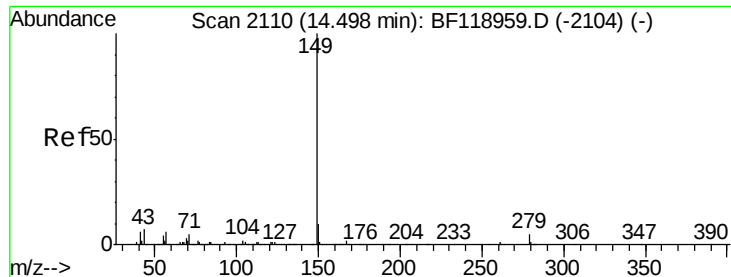
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.394 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF119007.D
 Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.3	33.5
279	4.5	4.2	6.4





#85

Di-n-octyl phthalate

Concen: 43.903 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:149 Resp: 1064203

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

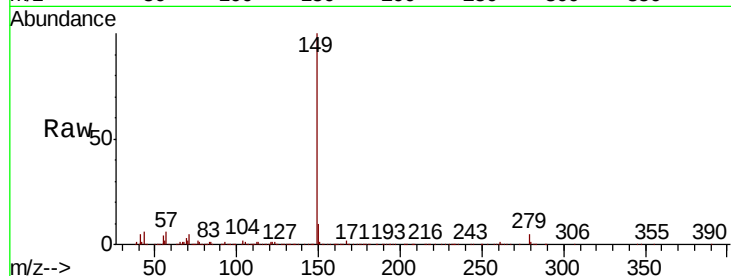
43 6.4 5.2 7.8

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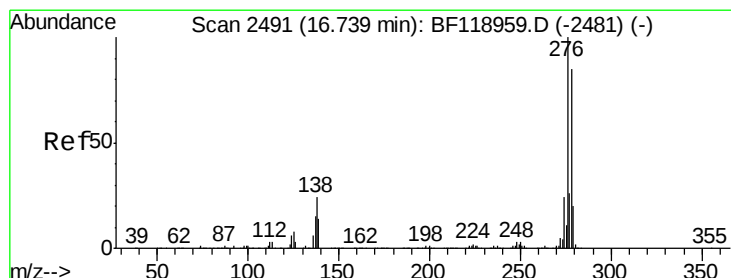
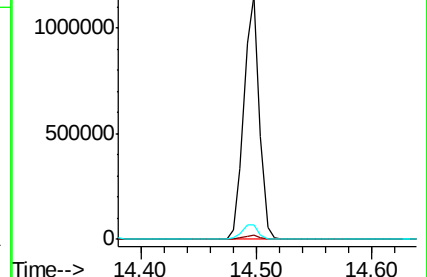
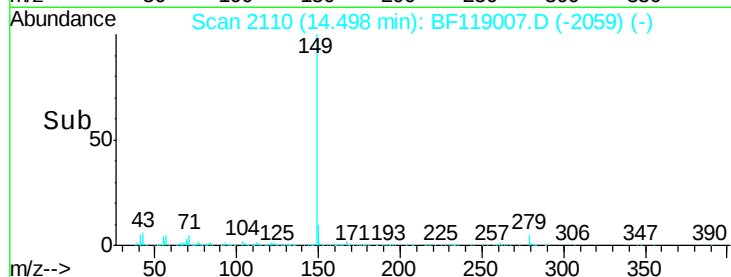
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 32.479 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

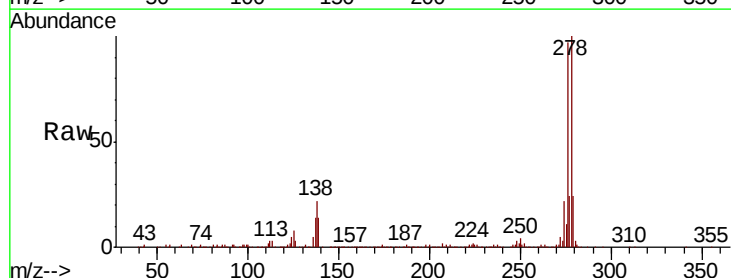
Tgt Ion:276 Resp: 760800

Ion Ratio Lower Upper

276 100

138 22.3 18.7 28.1

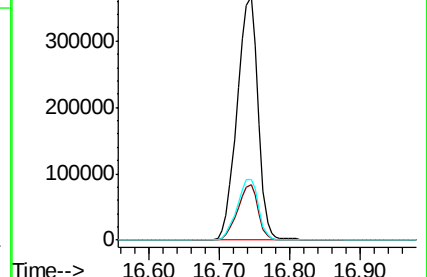
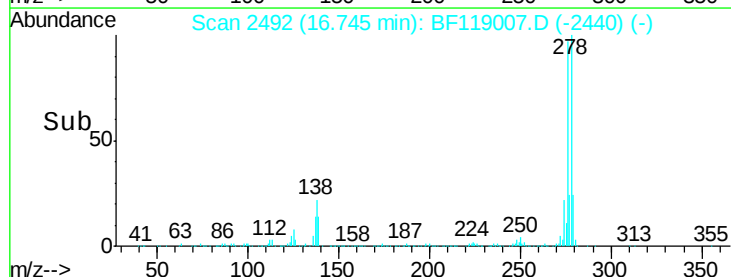
277 25.6 20.3 30.5

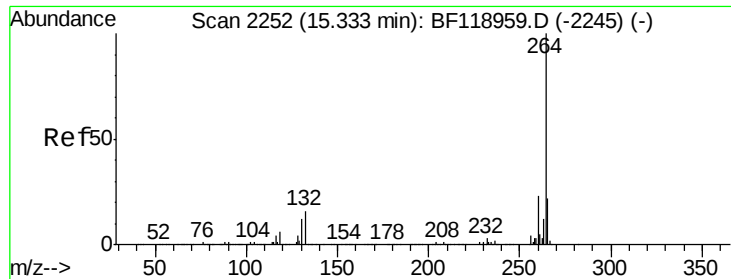


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





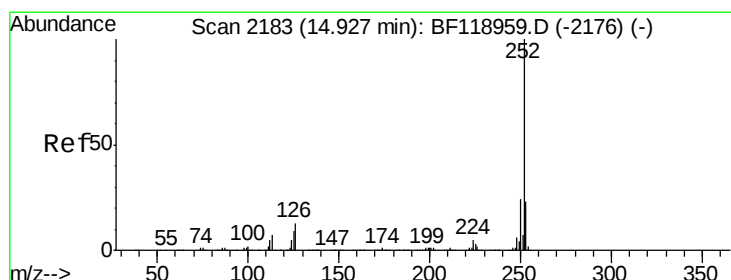
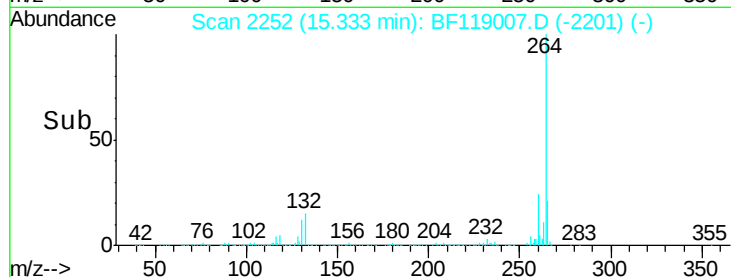
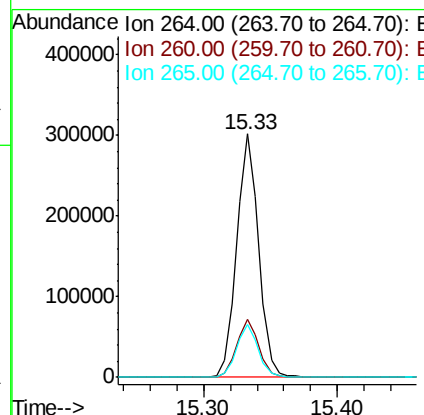
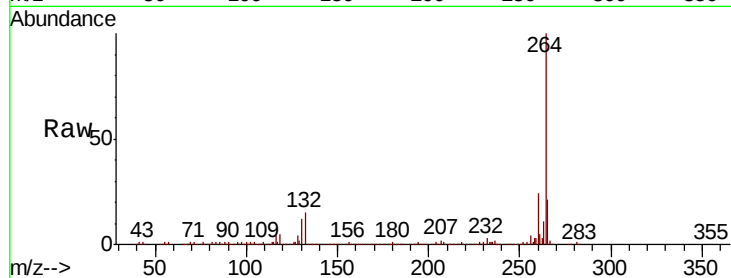
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.5	17.3	25.9

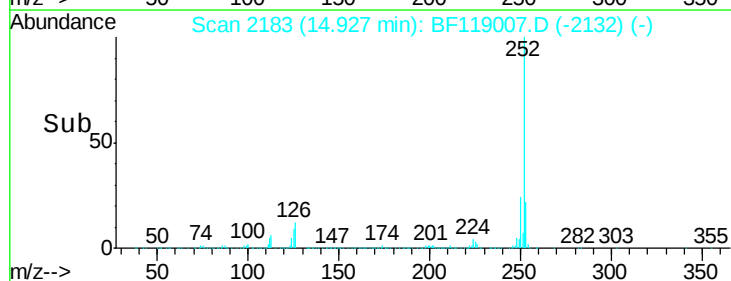
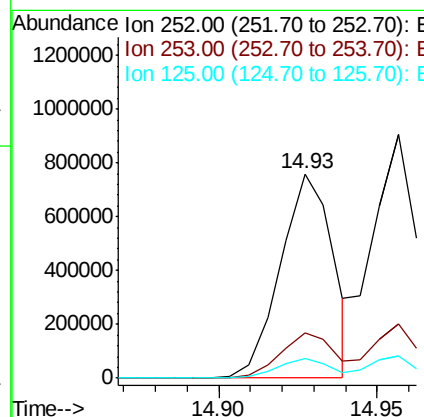
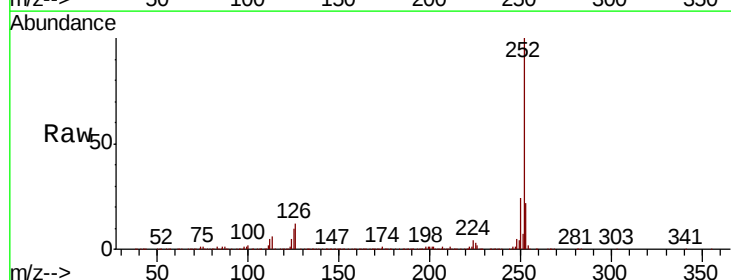
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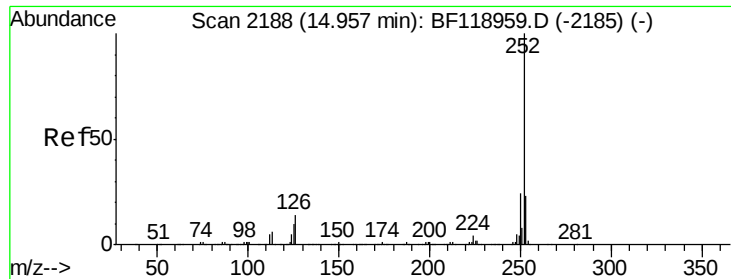
mohammad
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#88
Benzo(b)fluoranthene
Concen: 38.208 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	9.5	7.4	11.0





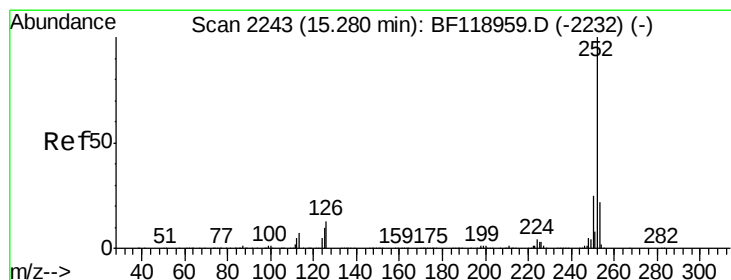
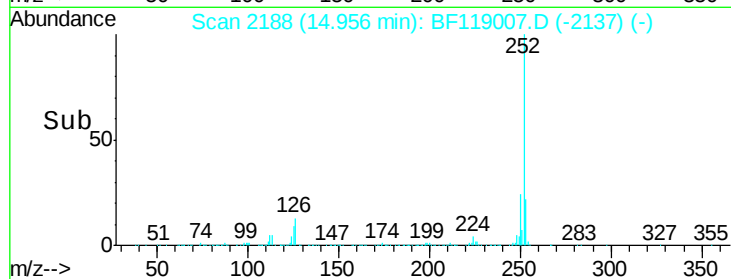
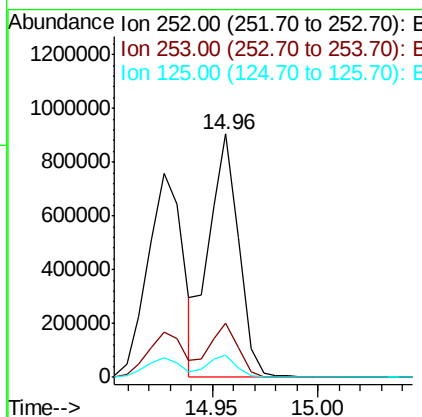
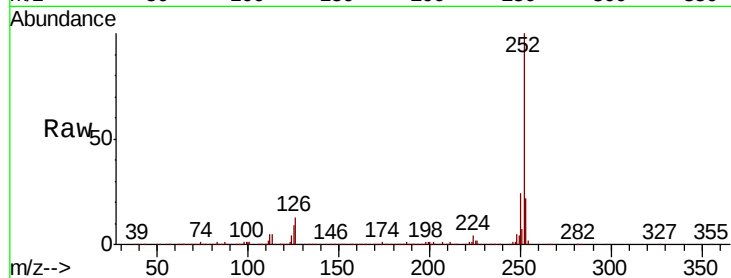
#89
Benzo(k)fluoranthene
Concen: 41.353 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Instrument :
BNA_F
ClientSampleId :
TP-14-EP2-3MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	9.2	7.3	10.9

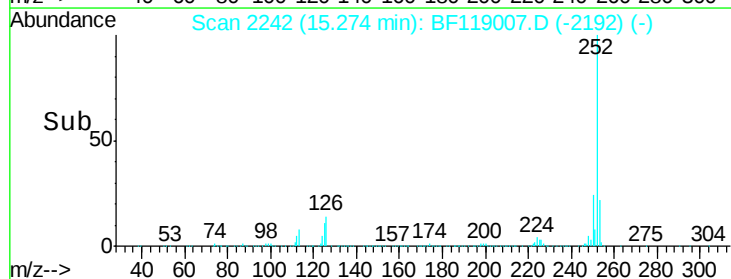
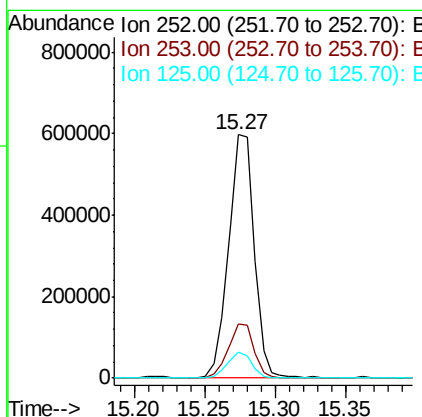
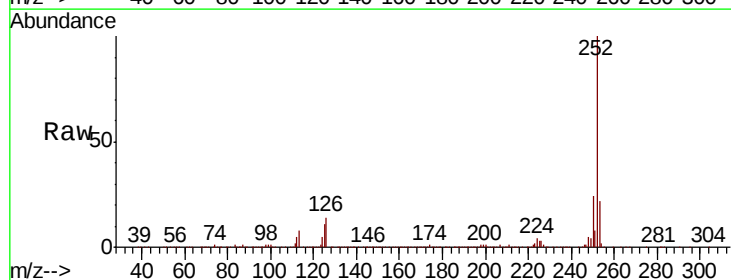
Manual Integrations
APPROVED

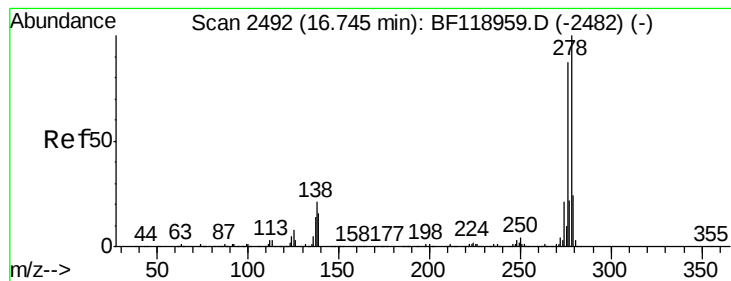
mohammad
2/24/2020 2:11:40 PM



#90
Benzo(a)pyrene
Concen: 36.396 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119007.D
Acq: 21 Feb 2020 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.9	7.8	11.6





#91

Dibenzo(a,h)anthracene

Concen: 35.657 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

Instrument :

BNA_F

ClientSampleId :

TP-14-EP2-3MSD

Tot Ion:278 Resp: 650838

Ion Ratio Lower Upper

278 100

139 13.8 12.6 18.8

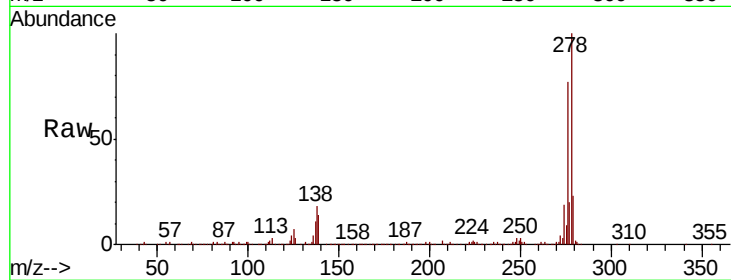
279 23.4 19.0 28.6

Manual Integrations

APPROVED

mohammad

2/24/2020 2:11:40 PM

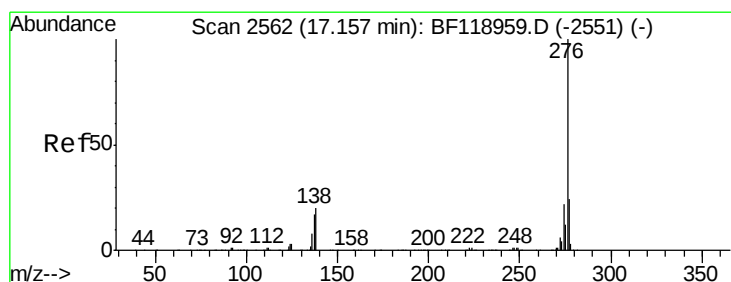
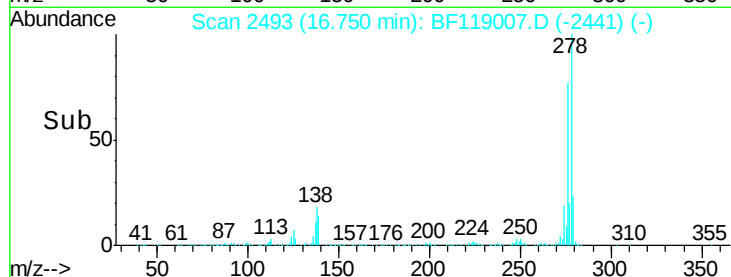
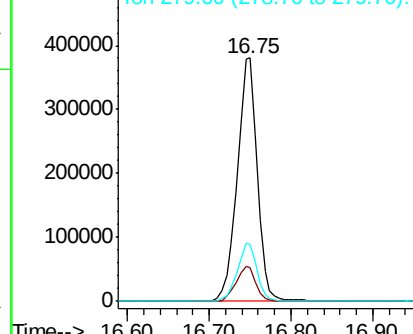


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 33.129 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BF119007.D

Acq: 21 Feb 2020 22:13

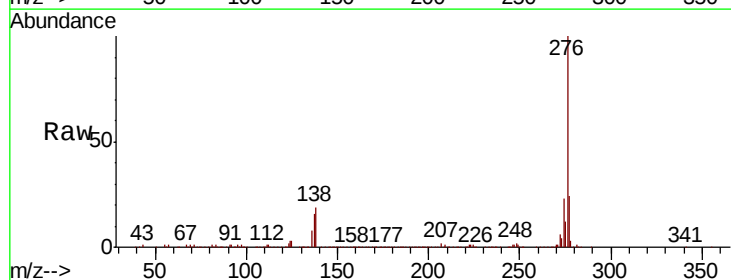
Tgt Ion:276 Resp: 597473

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 18.8 16.2 24.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

