

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118873.D
 Acq On : 10 Feb 2020 17:18
 Operator : CG/JU
 Sample : L1472-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Manual Integrations
 APPROVED

mohammad
 2/13/2020 10:28:41 AM

Quant Time: Feb 11 09:27:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171382	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	678767	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	399746	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	797064	20.00	ng	0.00
76) Chrysene-d12	13.97	240	713779	20.00	ng	0.00
87) Perylene-d12	15.42	264	657901	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1062122	117.31	ng	0.00
7) Phenol-d6	6.45	99	1266223	112.66	ng	0.00
23) Nitrobenzene-d5	7.37	82	841552	73.90	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	517788	108.25	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1768930	79.11	ng	0.00
79) Terphenyl-d14	12.92	244	2547809	73.32	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.56	88	204519	49.567	ng	98
3) Pyridine	3.32	79	496683	43.351	ng	99
4) n-Nitrosodimethylamine	3.24	42	219840	52.701	ng	95
6) Aniline	6.47	93	354172	24.468	ng	# 88
8) 2-Chlorophenol	6.60	128	467351	46.344	ng	97
9) Benzaldehyde	6.36	77	206616	29.022	ng	98
10) Phenol	6.47	94	544041	43.535	ng	86
11) bis(2-Chloroethyl)ether	6.55	93	421104	44.045	ng	99
12) 1,3-Dichlorobenzene	6.76	146	512470	42.693	ng	97
13) 1,4-Dichlorobenzene	6.83	146	517214	43.197	ng	98
14) 1,2-Dichlorobenzene	6.99	146	484180	42.332	ng	99
15) Benzyl Alcohol	6.96	79	391177	45.029	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	500389	42.738	ng	96
17) 2-Methylphenol	7.07	107	384174	45.822	ng	99
18) Hexachloroethane	7.33	117	182759	42.528	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	309511	45.009	ng	99
20) 3+4-Methylphenols	7.23	107	476808	45.371	ng	# 86
22) Acetophenone	7.22	105	624707	42.361	ng	96
24) Nitrobenzene	7.39	77	479386	42.139	ng	99
25) Isophorone	7.63	82	872225	42.618	ng	99
26) 2-Nitrophenol	7.71	139	267042	44.052	ng	100
27) 2,4-Dimethylphenol	7.75	122	407538	49.491	ng	97
28) bis(2-Chloroethoxy)methane	7.85	93	553321	41.694	ng	100
29) 2,4-Dichlorophenol	7.96	162	427017	43.301	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	470753	40.840	ng	100
31) Naphthalene	8.12	128	1364055	43.939	ng	99
32) Benzoic acid	7.87	122	248398	36.433	ng	98
33) 4-Chloroaniline	8.16	127	180830	13.020	ng	98
34) Hexachlorobutadiene	8.24	225	283085	40.086	ng	99
35) Caprolactam	8.53	113	142895m	44.698	ng	
36) 4-Chloro-3-methylphenol	8.66	107	439445	44.279	ng	98
37) 2-Methylnaphthalene	8.81	142	959953	44.586	ng	99
38) 1-Methylnaphthalene	8.91	142	904505	44.658	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	486449	40.320	ng	100

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	314442	66.468	nq	100
43) 2,4,6-Trichlorophenol	9.09	196	323028	40.040	nq	100
44) 2,4,5-Trichlorophenol	9.13	196	352222	42.728	nq	96
46) 1,1'-Biphenyl	9.27	154	1181451	42.725	nq	98
47) 2-Chloronaphthalene	9.30	162	949595	41.308	nq	98
48) 2-Nitroaniline	9.39	65	268030	40.425	nq	95
49) Acenaphthylene	9.71	152	1494683	45.031	nq	99
50) Dimethylphthalate	9.57	163	1243812	45.697	nq	98
51) 2,6-Dinitrotoluene	9.63	165	267877	43.012	nq	95
52) Acenaphthene	9.89	154	887882	40.594	nq	99
53) 3-Nitroaniline	9.80	138	146238	21.172	nq	95
54) 2,4-Dinitrophenol	9.91	184	226685	75.713	nq	98
55) Dibenzofuran	10.06	168	1319833	41.755	nq	98
56) 4-Nitrophenol	9.97	139	400637	80.145	nq	97
57) 2,4-Dinitrotoluene	10.04	165	351504	42.648	nq	94
58) Fluorene	10.40	166	1015194	42.691	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	302099	41.964	nq	99
60) Diethylphthalate	10.27	149	1136345	42.934	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	541037	41.953	nq	96
62) 4-Nitroaniline	10.42	138	258706	37.403	nq	98
63) Azobenzene	10.55	77	984047	43.550	nq	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	188886	42.173	nq	89
66) n-Nitrosodiphenylamine	10.51	169	954652	41.349	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	371537	39.404	nq	96
68) Hexachlorobenzene	10.95	284	415988	38.464	nq	98
69) Atrazine	11.04	200	374108	48.637	nq	98
70) Pentachlorophenol	11.15	266	409474	71.706	nq	99
71) Phenanthrene	11.36	178	1643383	41.905	nq	99
72) Anthracene	11.41	178	1703302	43.659	nq	98
73) Carbazole	11.56	167	1500508	43.825	nq	100
74) Di-n-butylphthalate	11.90	149	1934705	44.358	nq	99
75) Fluoranthene	12.54	202	1926060	44.983	nq	98
77) Benzidine	12.66	184	846833	39.226	nq	98
78) Pyrene	12.77	202	1921516	39.241	nq	99
80) Butylbenzylphthalate	13.39	149	930061	41.613	nq	98
81) Benzo(a)anthracene	13.96	228	1668856	39.291	nq	98
82) 3,3'-Dichlorobenzidine	13.92	252	539509	31.056	nq	100
83) Chrysene	14.00	228	1705337	40.004	nq	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1344734	47.424	nq	99
85) Di-n-octyl phthalate	14.56	149	2225888	45.821	nq	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	1785296	41.683	nq	100
88) Benzo(b)fluoranthene	15.00	252	1663439	40.747	nq	99
89) Benzo(k)fluoranthene	15.03	252	1479838	41.627	nq	99
90) Benzo(a)pyrene	15.36	252	1430862	40.955	nq	99
91) Dibenzo(a,h)anthracene	16.87	278	1509873	48.682	nq	99
92) Benzo(g,h,i)perylene	17.29	276	1464110	49.086	nq	99

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

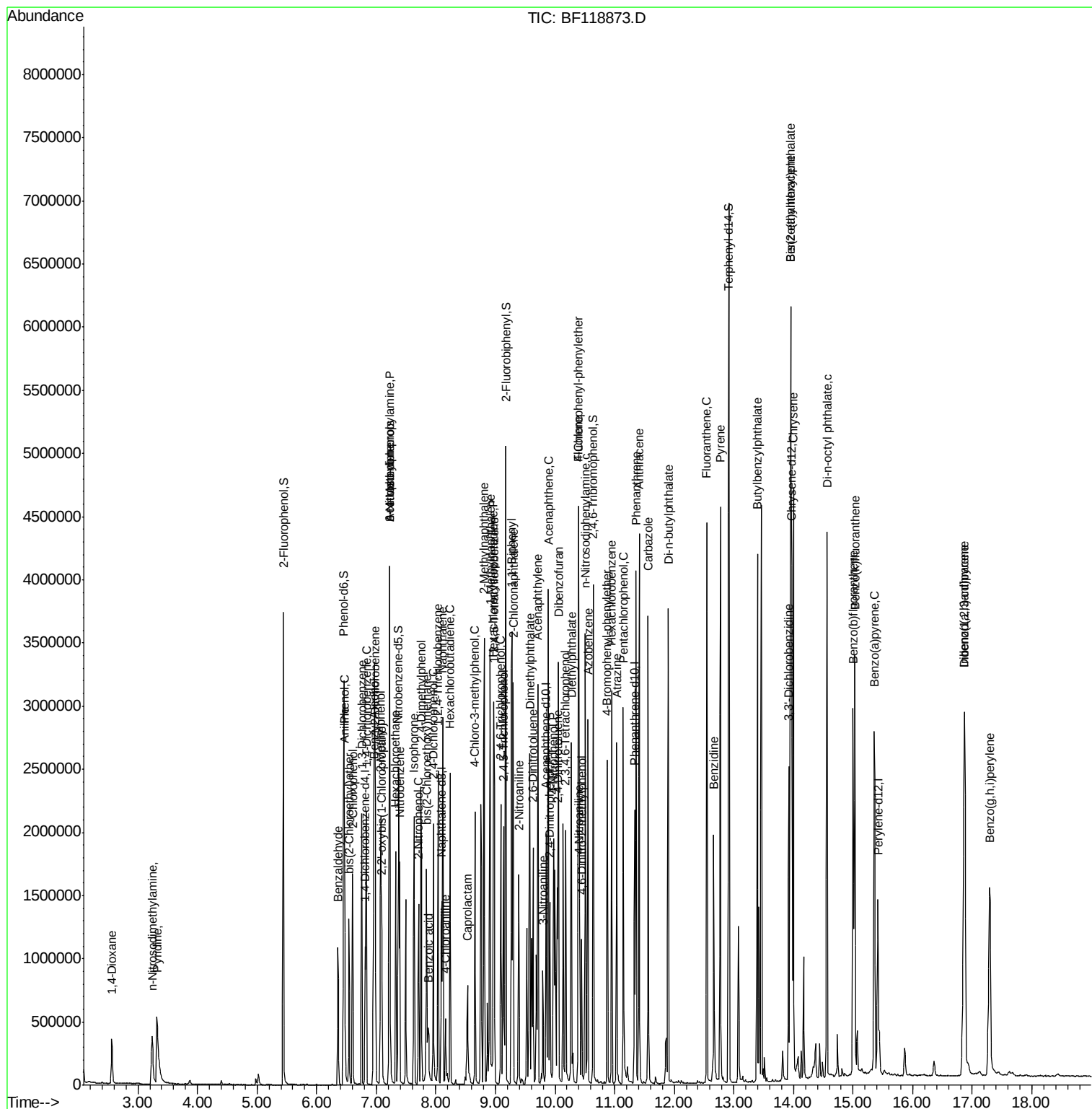
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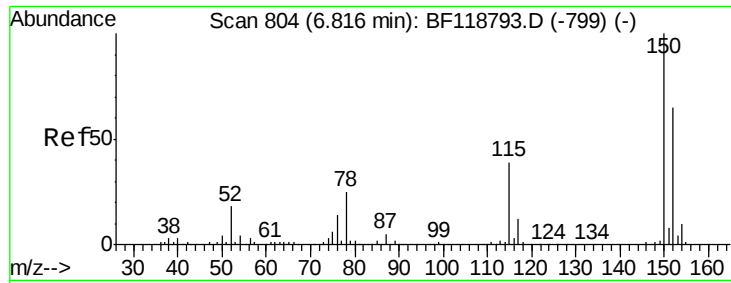
Instrument :
BNA_F
ClientSampled :
TP-4MS

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#1

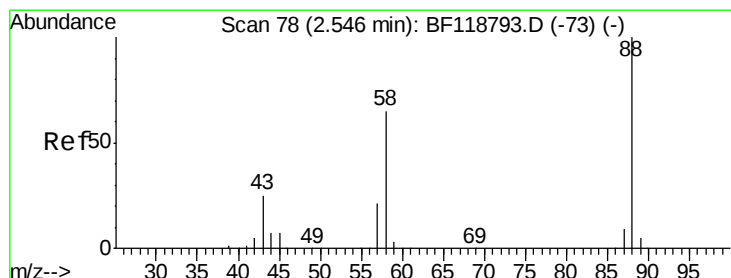
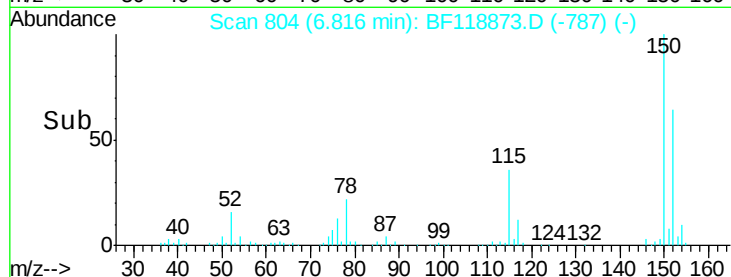
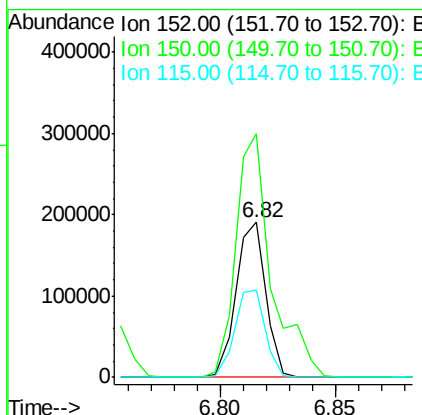
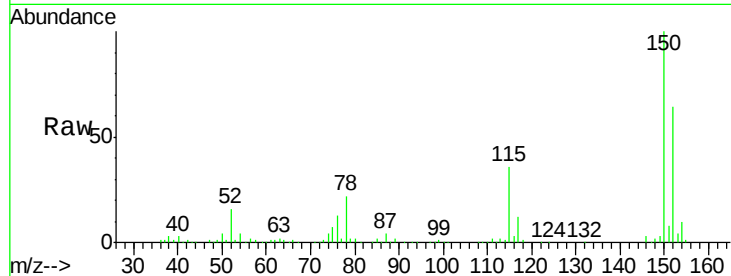
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.6	185.4
115	56.2	48.2	72.2

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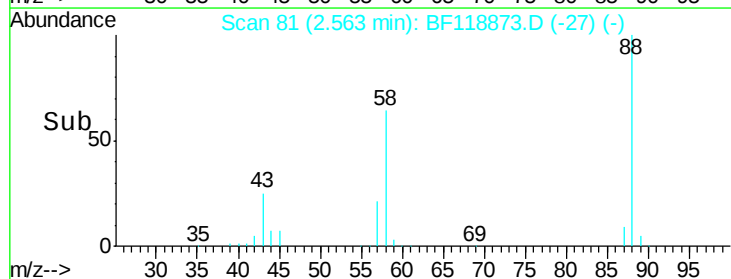
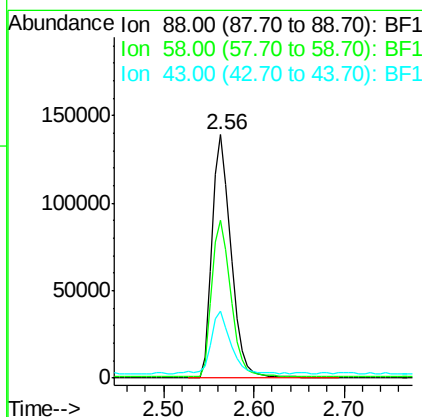
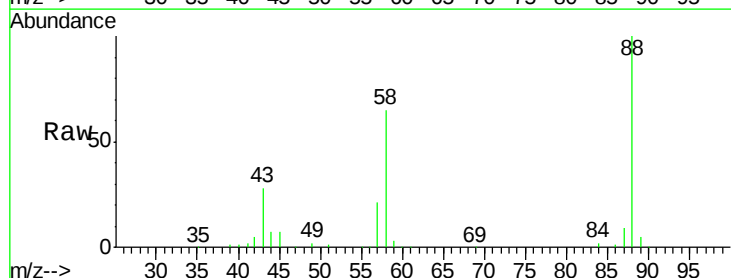
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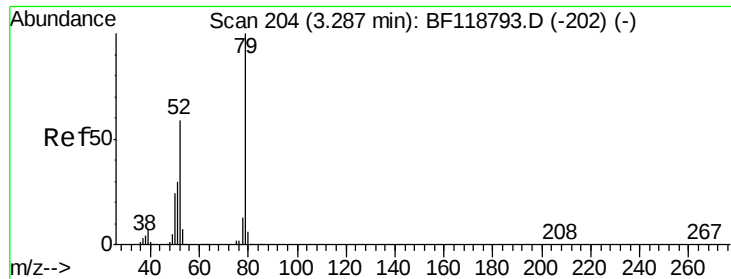


#2

1,4-Dioxane
Concen: 49.567 ng
RT: 2.56 min Scan# 81
Delta R.T. 0.02 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.6	77.4
43	27.3	19.8	29.6





#3

Pvridine

Concen: 43.351 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.04 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

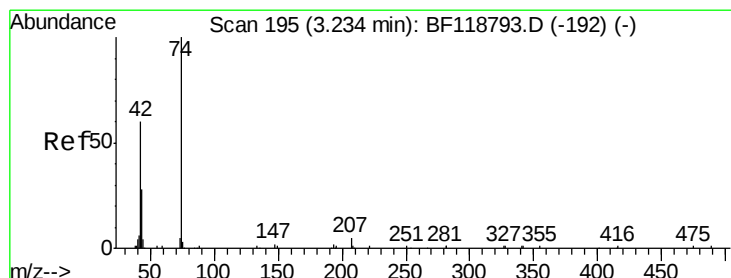
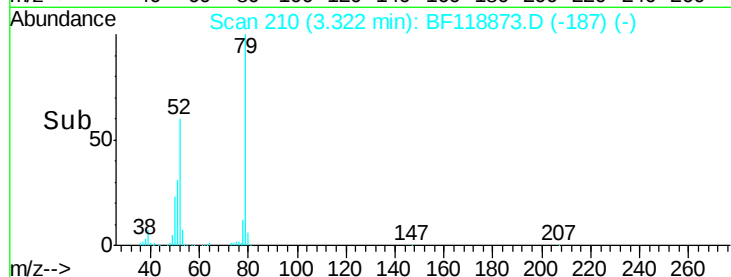
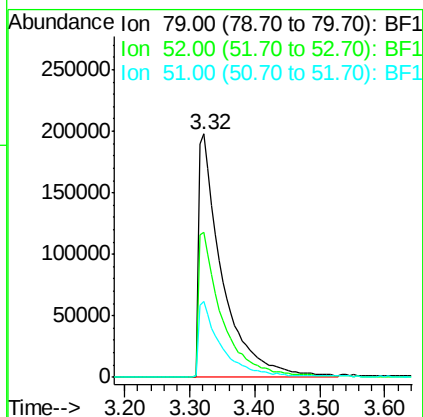
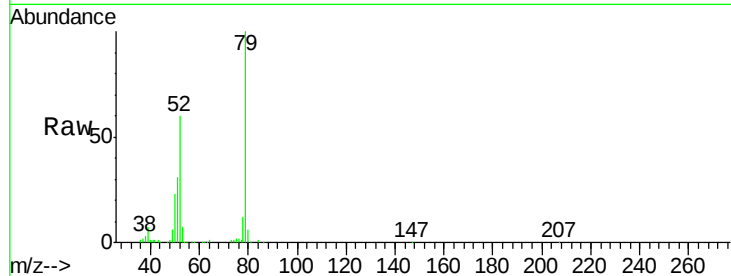
ClientSampleId :

TP-4MS

Tot Ion:	79	Resp:	496683
Ion Ratio	Lower	Upper	
79	100		
52	59.6	47.4	71.0
51	31.2	24.2	36.4

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#4

n-Nitrosodimethylamine

Concen: 52.701 ng

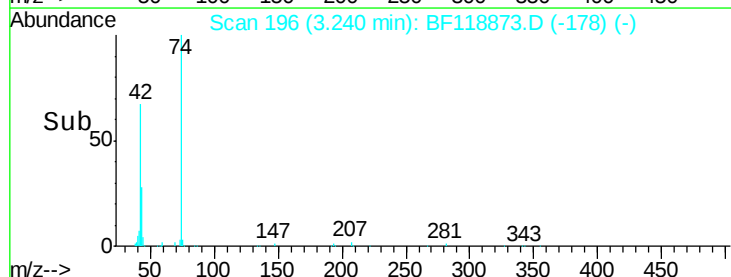
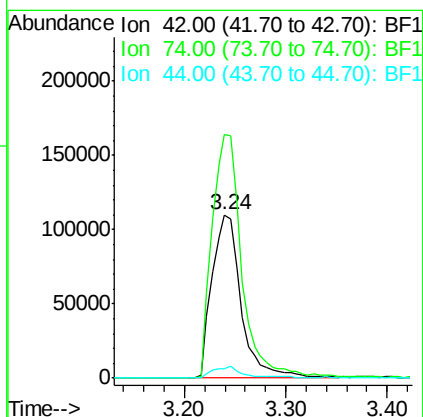
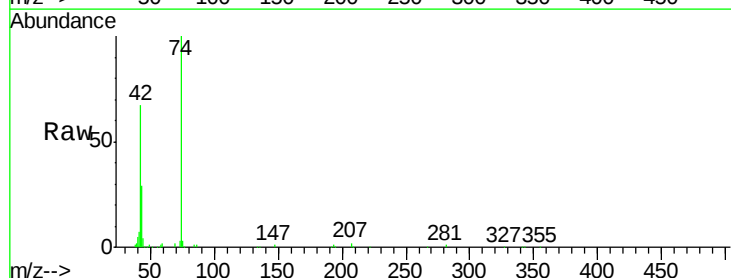
RT: 3.24 min Scan# 196

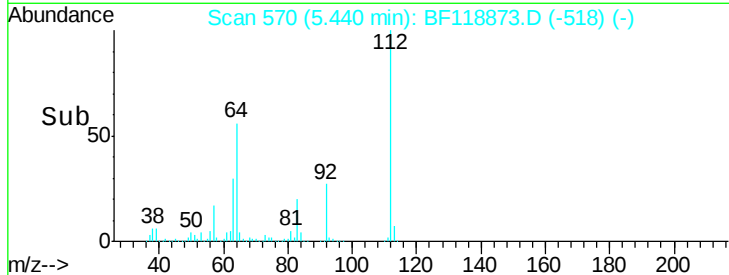
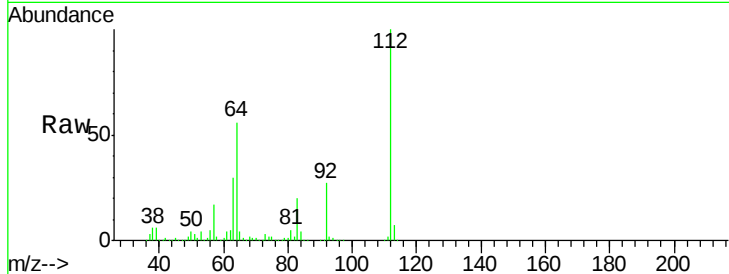
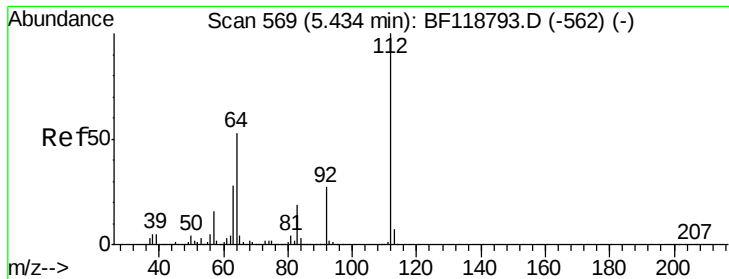
Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Tgt Ion:	42	Resp:	219840
Ion Ratio	Lower	Upper	
42	100		
74	149.2	124.3	186.5
44	5.9	5.3	7.9





#5

2-Fluorophenol

Concen: 117.312 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

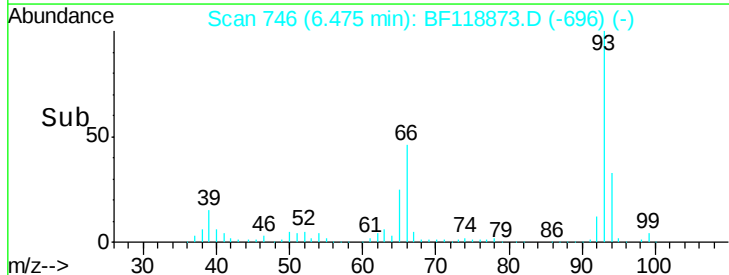
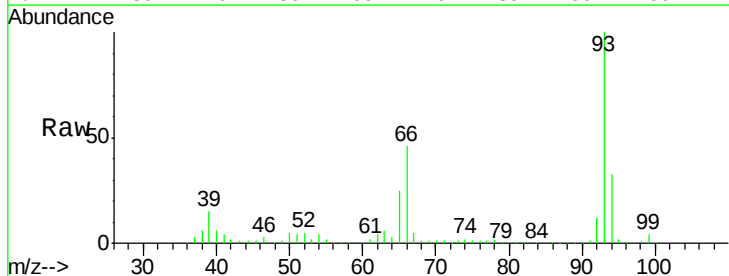
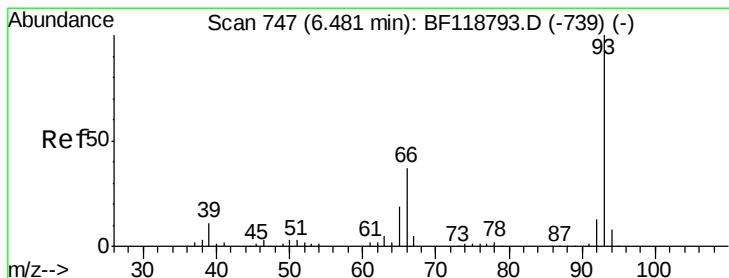
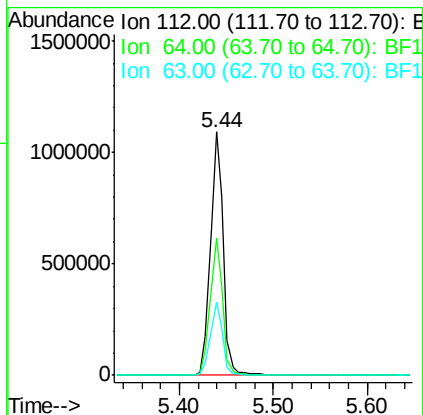
ClientSampled :

TP-4MS

Tot Ion:	112	Resp:	1062122
Ion Ratio	Lower	Upper	
112	100		
64	56.3	42.6	63.8
63	30.1	22.2	33.4

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#6

Aniline

Concen: 24.468 ng

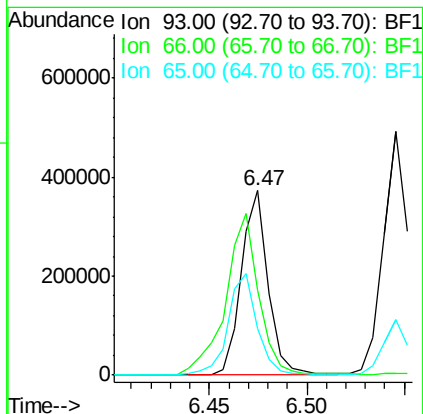
RT: 6.47 min Scan# 746

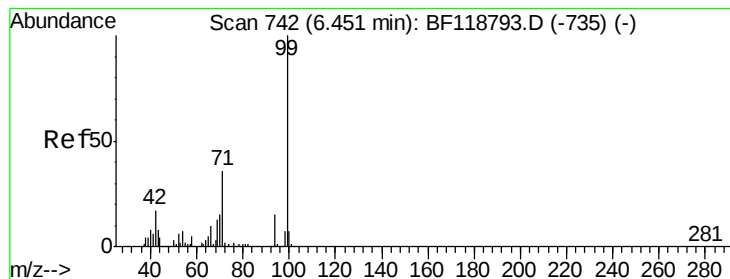
Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Tgt Ion:	93	Resp:	354172
Ion Ratio	Lower	Upper	
93	100		
66	45.8	30.8	46.2
65	25.0	15.4	23.0#





#7

Phenol-d6

Concen: 112.663 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

Tot Ion: 99 Resp: 1266223

Ion Ratio Lower Upper

99 100

42 17.1 13.4 20.0

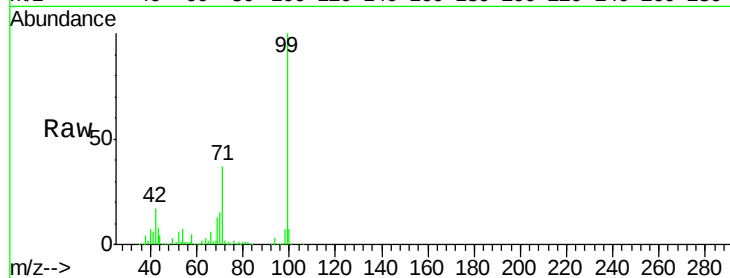
71 36.7 29.0 43.6

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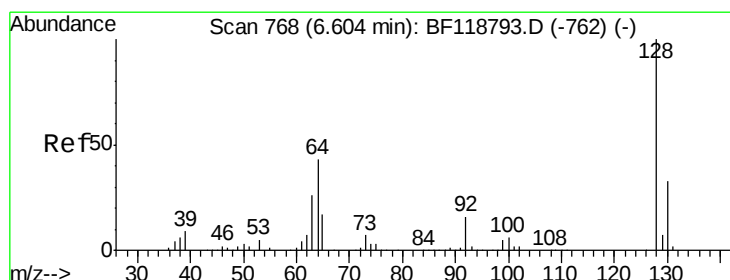
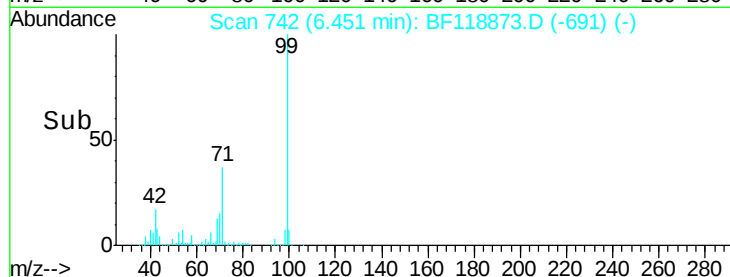
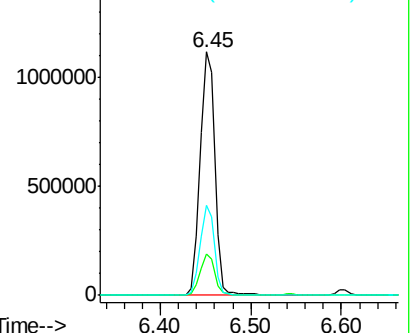
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 46.344 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

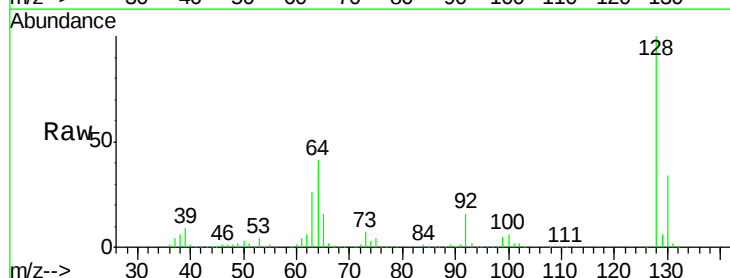
Tgt Ion: 128 Resp: 467351

Ion Ratio Lower Upper

128 100

130 33.6 13.1 53.1

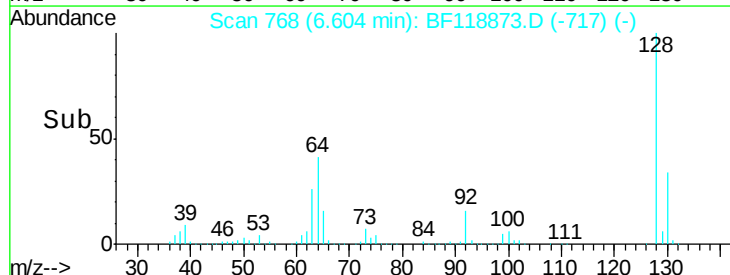
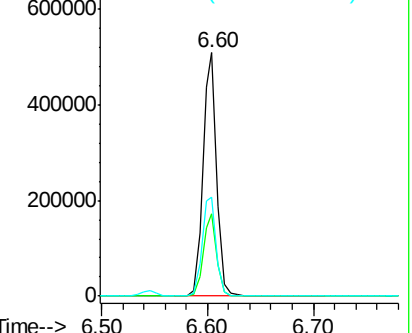
64 40.6 23.0 63.0

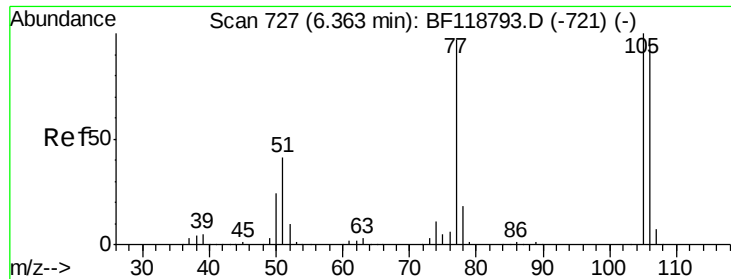


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.022 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

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Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

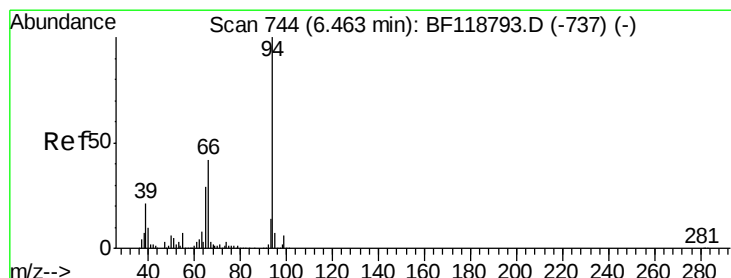
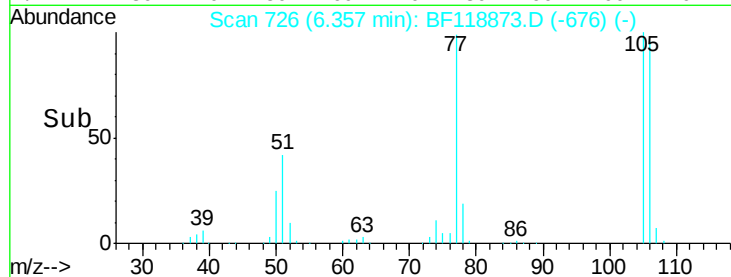
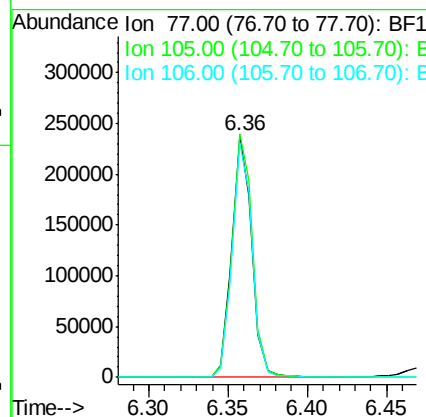
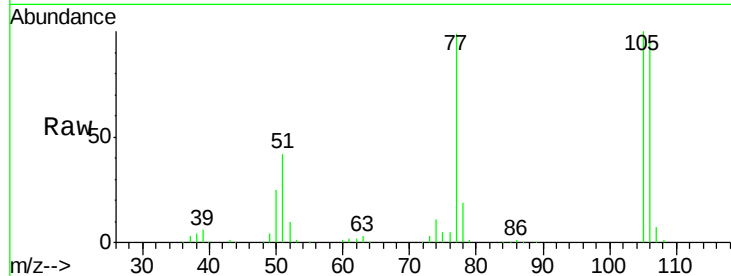
ClientSampleId :

TP-4MS

Tot Ion:	77	Resp:	206616
Ion	Ratio	Lower	Upper
77	100		
105	100.8	82.8	122.8
106	97.0	78.1	118.1

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#10

Phenol

Concen: 43.535 ng

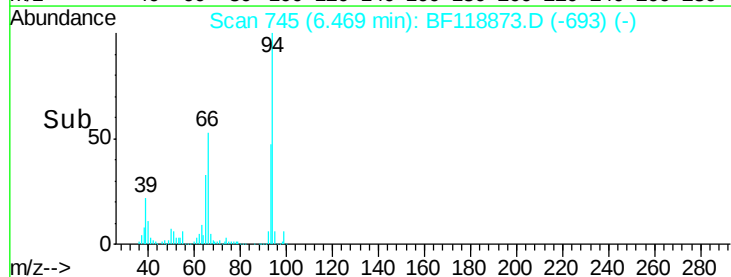
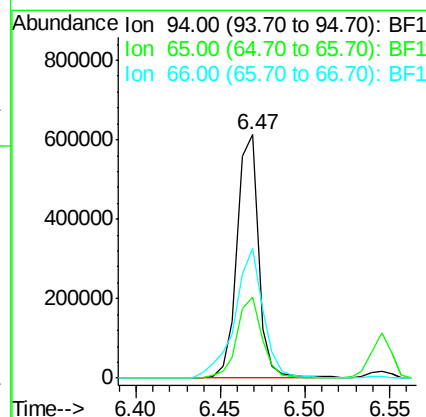
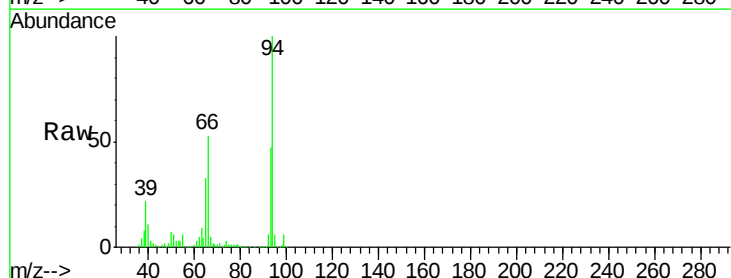
RT: 6.47 min Scan# 745

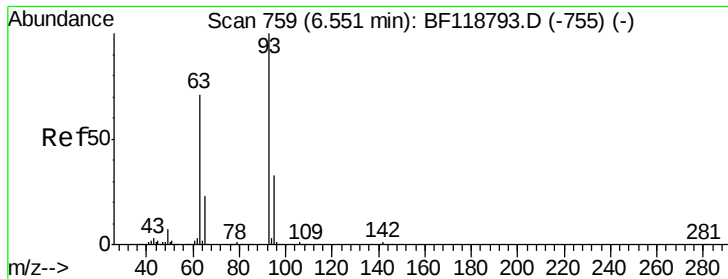
Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Tgt Ion:	94	Resp:	544041
Ion	Ratio	Lower	Upper
94	100		
65	33.3	9.1	49.1
66	53.4	21.7	61.7





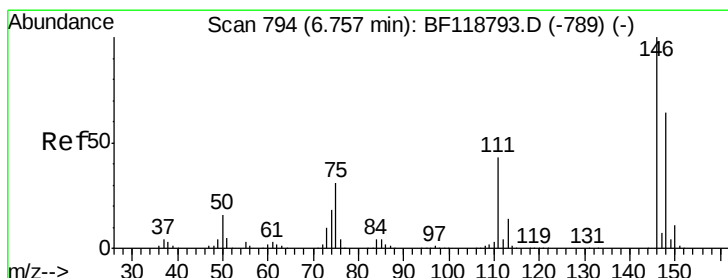
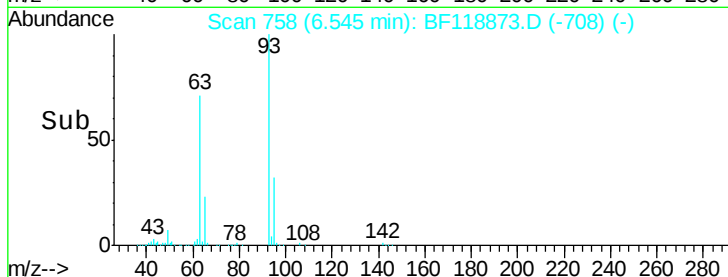
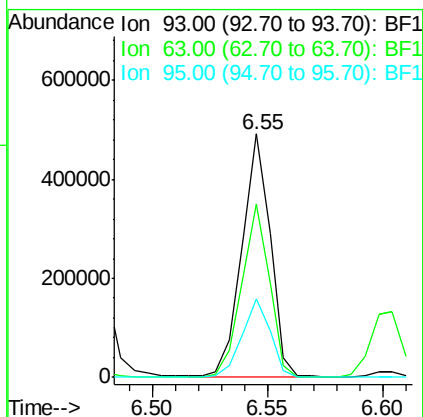
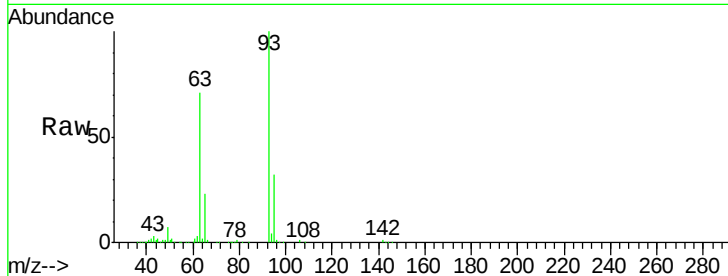
#11
bis(2-Chloroethyl)ether
Concen: 44.045 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	421104		
63	71.2	50.7	90.7	
95	32.3	12.6	52.6	

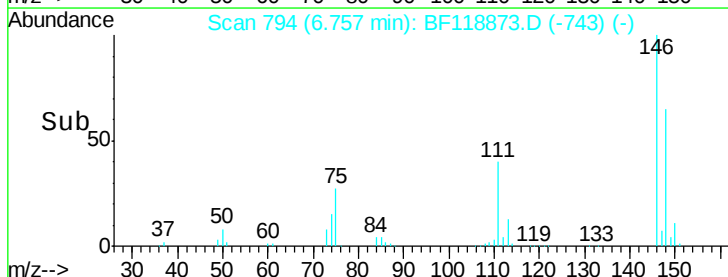
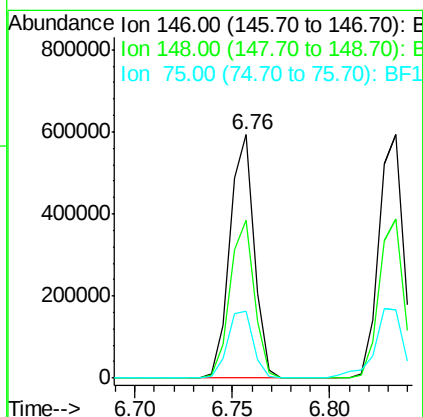
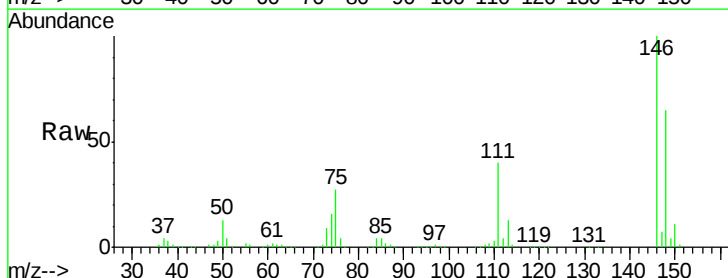
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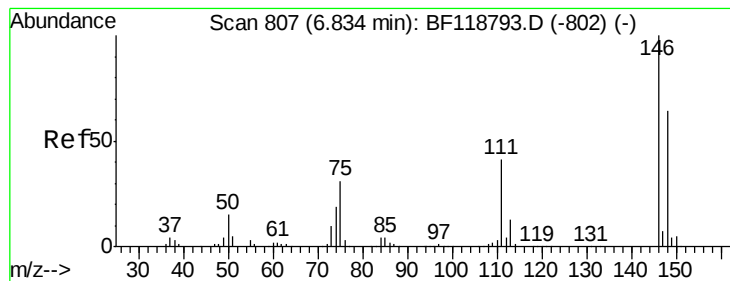
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.693 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	512470		
148	64.9	51.1	76.7	
75	27.4	25.0	37.4	





#13

1,4-Dichlorobenzene

Concen: 43.197 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

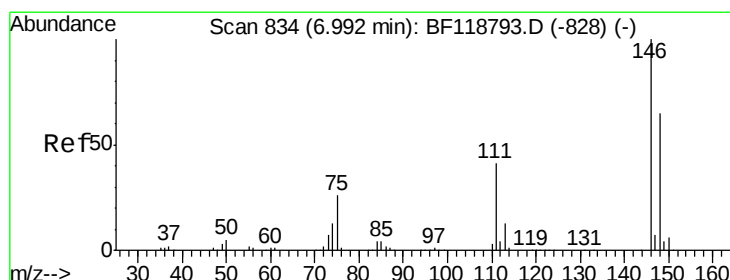
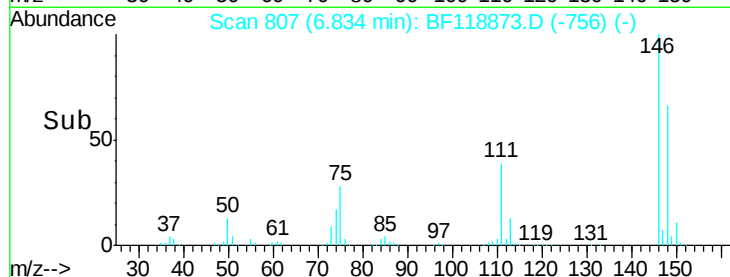
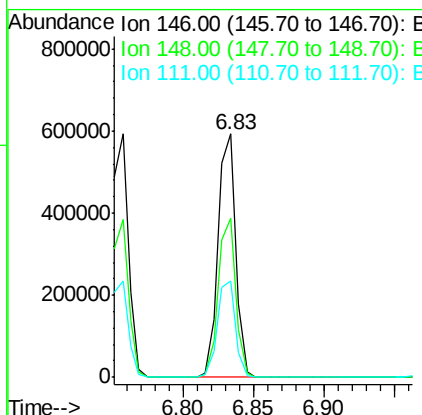
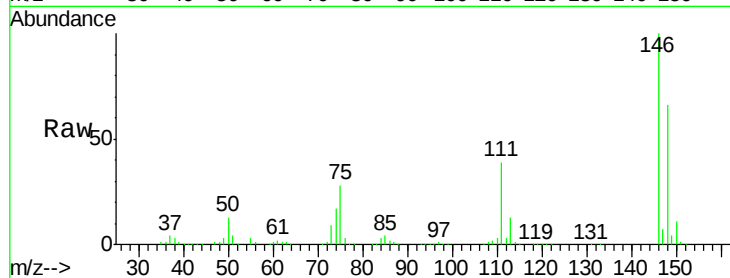
ClientSampled :

TP-4MS

Tot Ion:	146	Resp:	517214
Ion Ratio	Lower	Upper	
146	100		
148	65.6	51.6	77.4
111	39.4	32.9	49.3

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#14

1,2-Dichlorobenzene

Concen: 42.332 ng

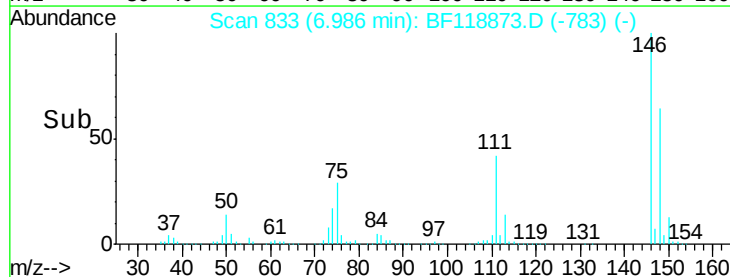
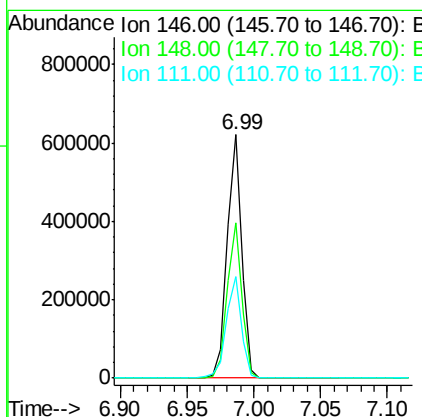
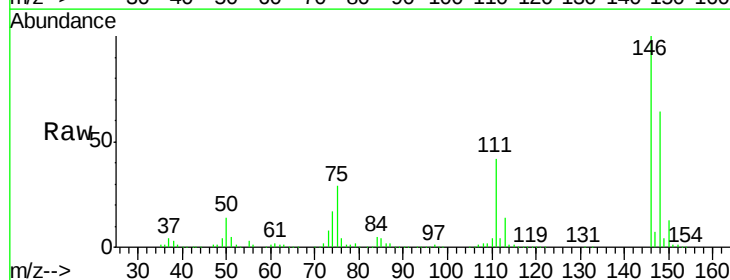
RT: 6.99 min Scan# 833

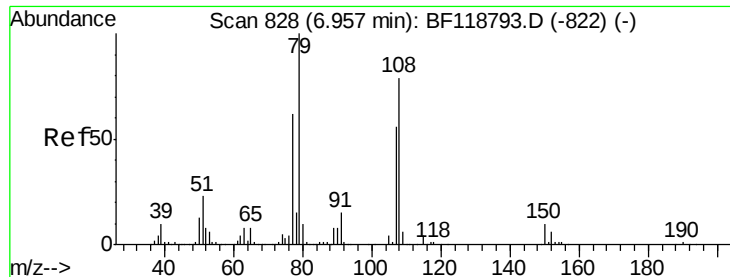
Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Tgt Ion:	146	Resp:	484180
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.6	77.4
111	41.8	32.7	49.1





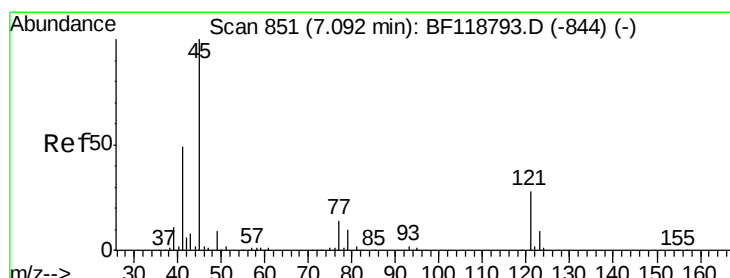
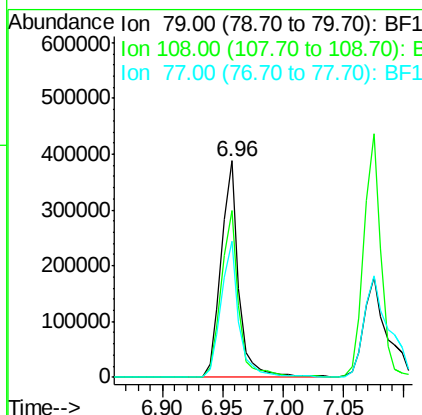
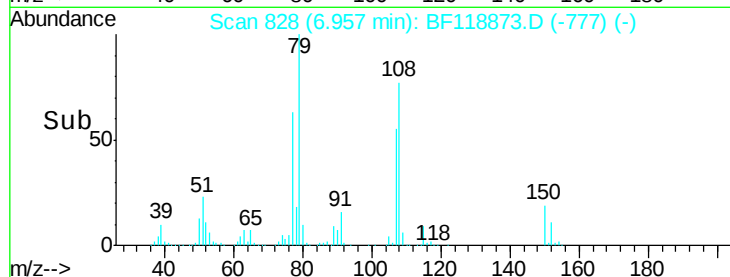
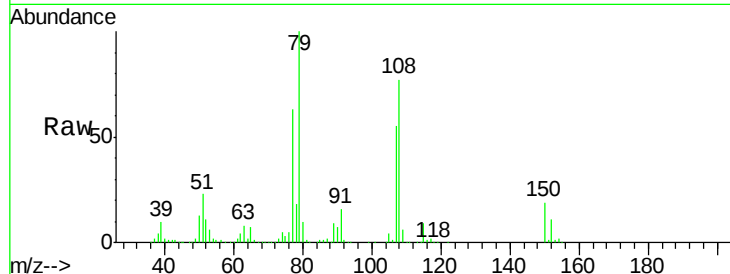
#15
Benzyl Alcohol
Concen: 45.029 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.4	62.9	94.3
77	63.2	50.0	75.0

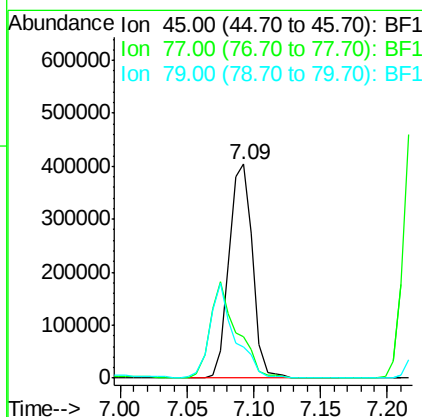
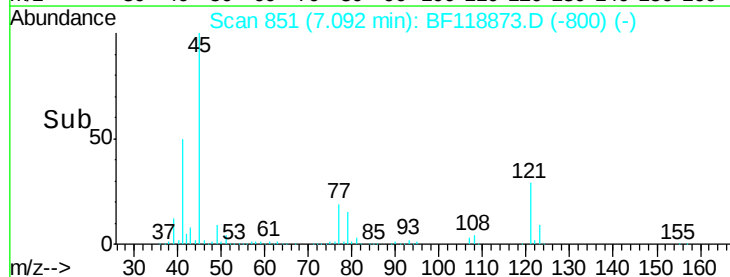
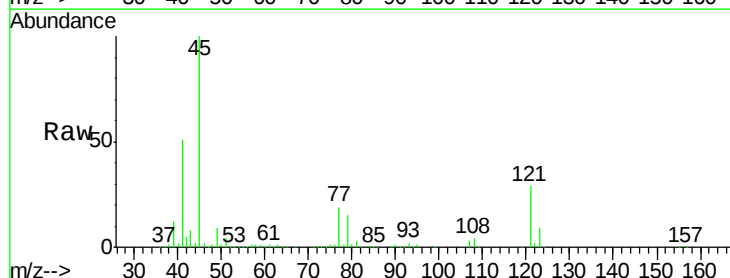
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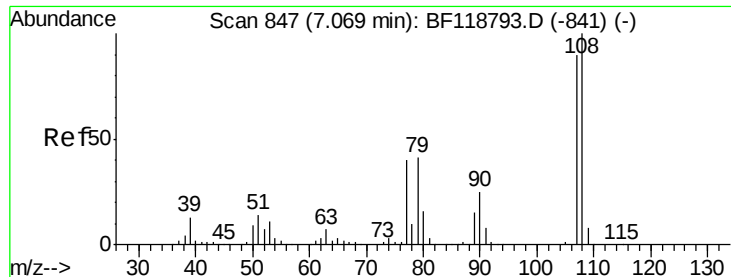
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.738 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.2	0.0	37.1
79	14.5	0.0	33.1





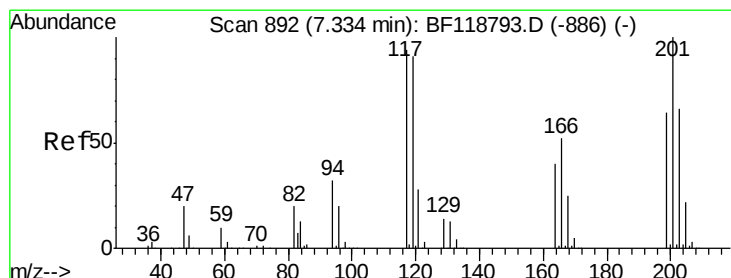
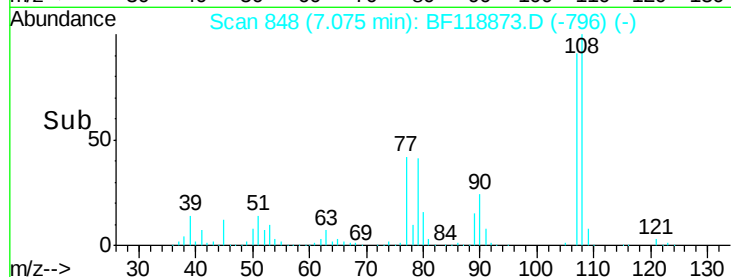
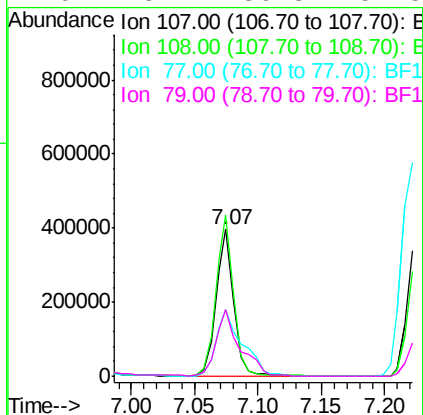
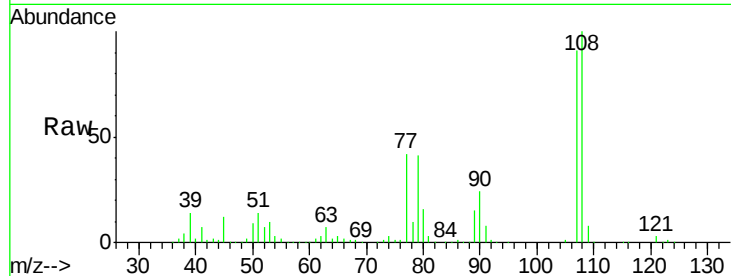
#17
2-Methylphenol
Concen: 45.822 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	107	Resp	384174
Ion Ratio	Lower	Upper	
107	100		
108	110.2	89.3	133.9
77	45.8	36.2	54.2
79	45.4	36.3	54.5

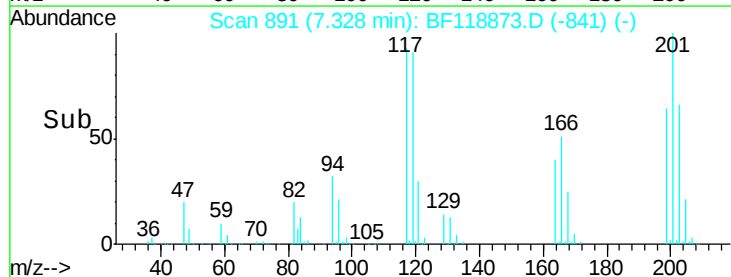
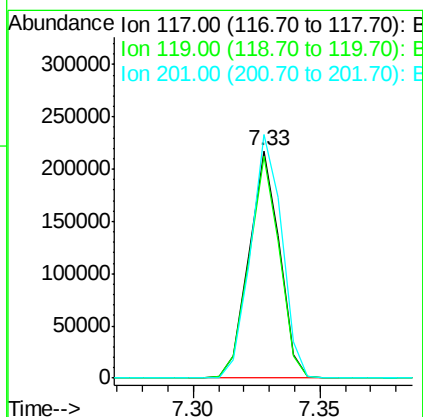
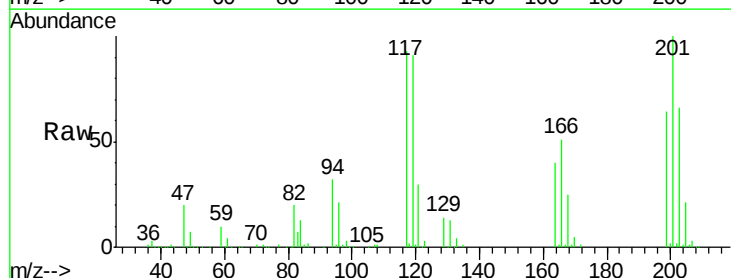
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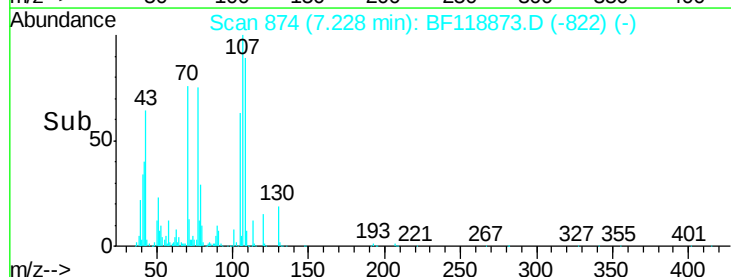
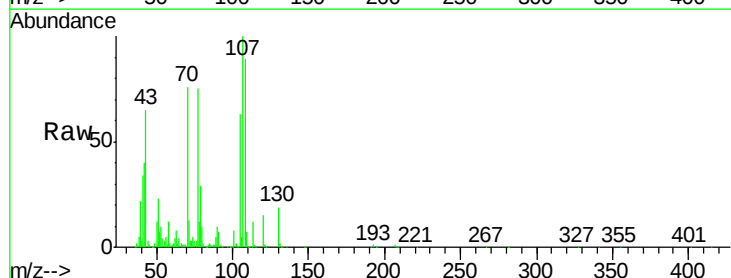
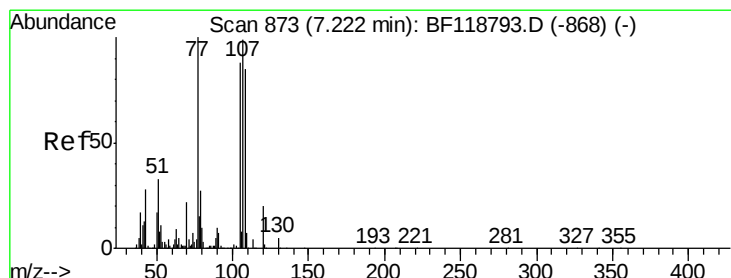
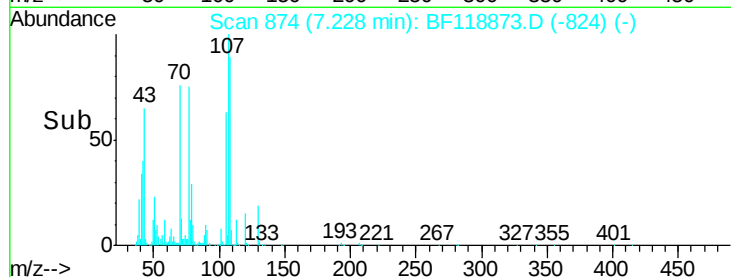
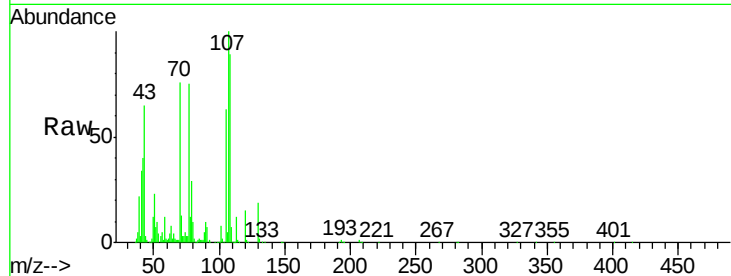
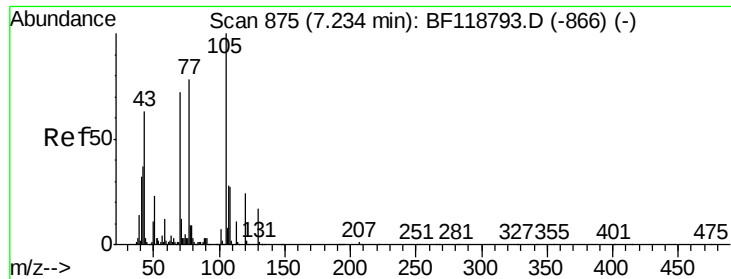
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#18
Hexachloroethane
Concen: 42.528 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	117	Resp	182759
Ion Ratio	Lower	Upper	
117	100		
119	97.9	77.4	116.0
201	107.1	85.1	127.7





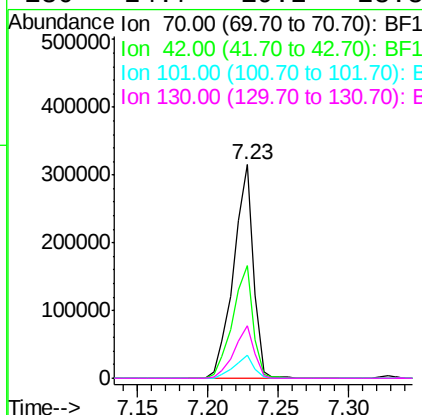
#19
n-Nitroso-di-n-propylamine
Concen: 45.009 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.7	41.5	62.3
101	10.6	8.3	12.5
130	24.7	19.2	28.8

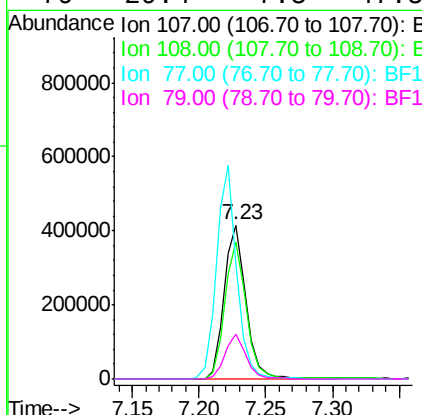
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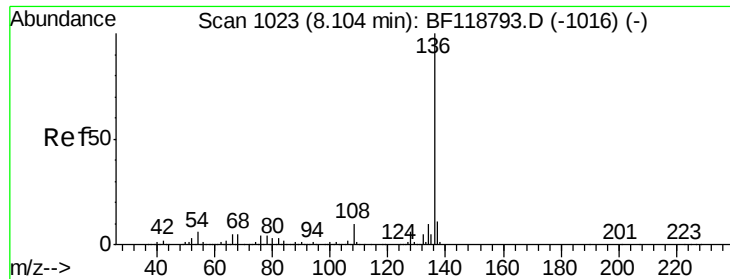
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#20
3+4-Methylphenols
Concen: 45.371 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	65.9	105.9
77	75.0	80.9	120.9
79	29.4	7.5	47.5





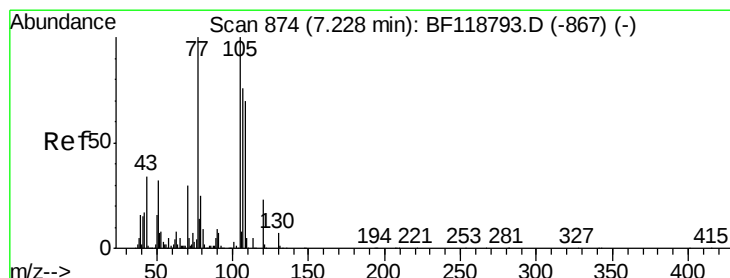
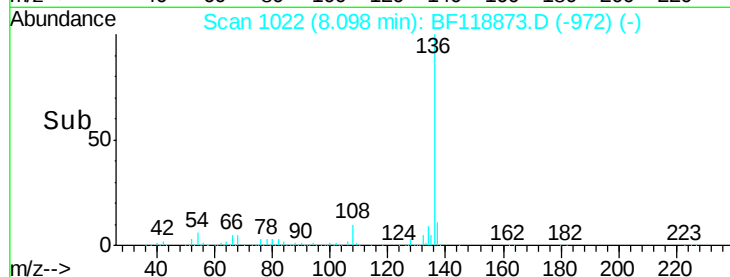
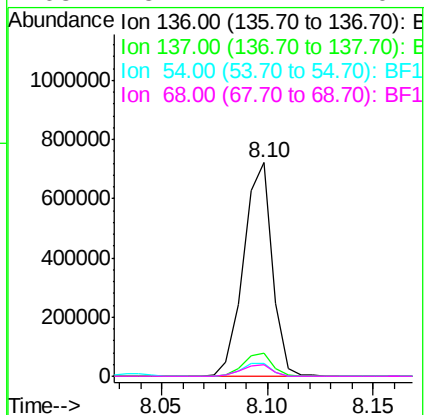
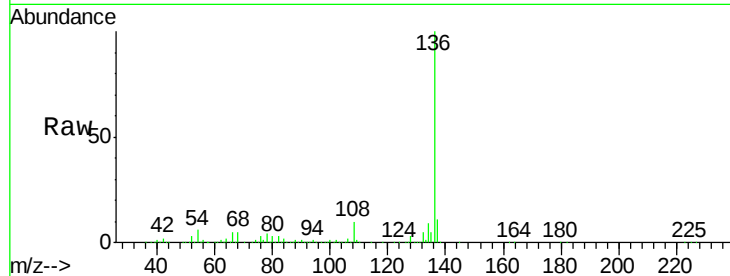
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		678767		
137	10.7		8.7	13.1	
54	6.1		5.0	7.6	
68	5.2		4.2	6.4	

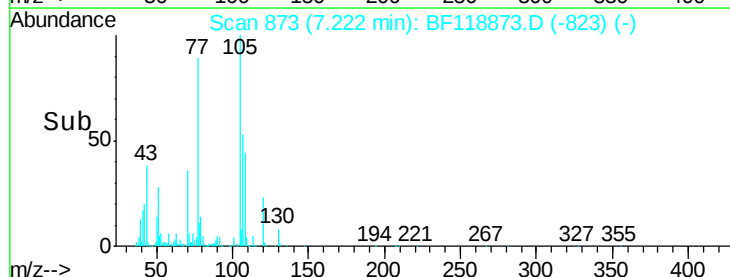
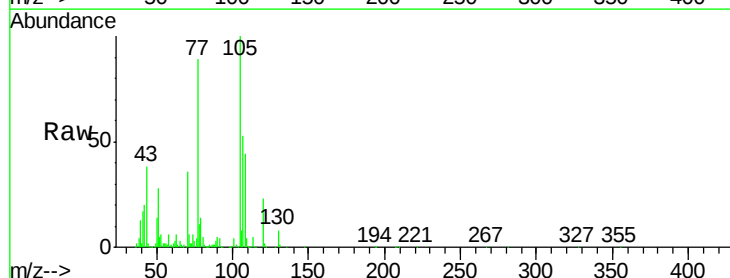
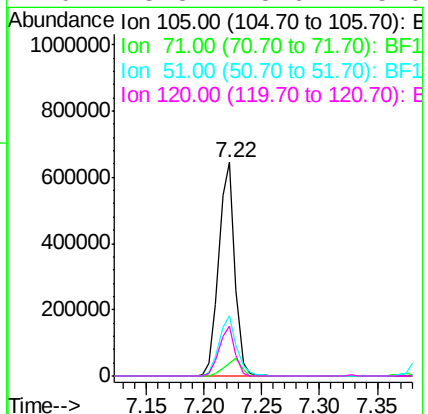
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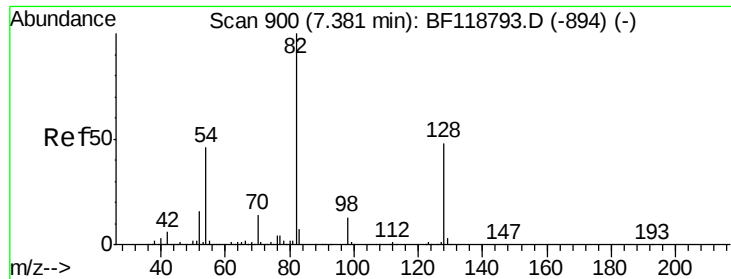
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#22
Acetophenone
Concen: 42.361 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		624707		
71	6.2		4.2	6.4	
51	28.2		25.5	38.3	
120	23.3		18.6	28.0	





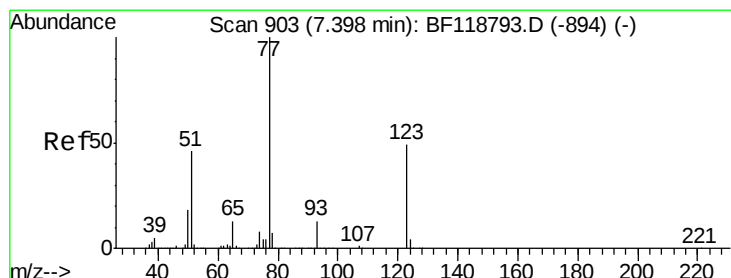
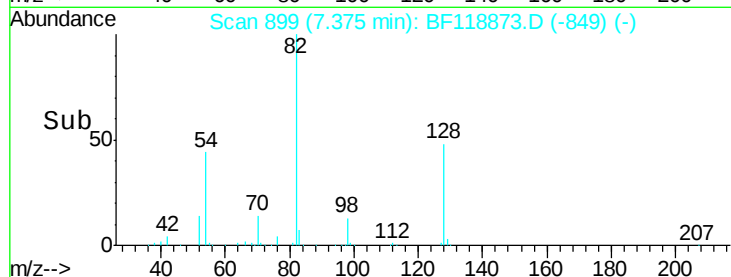
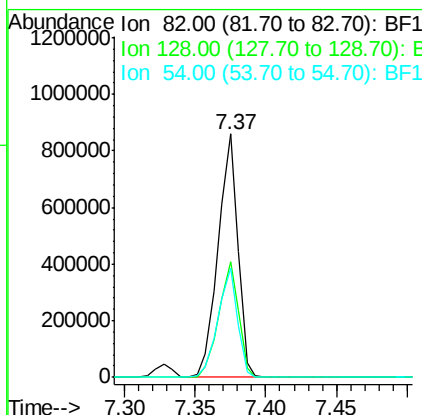
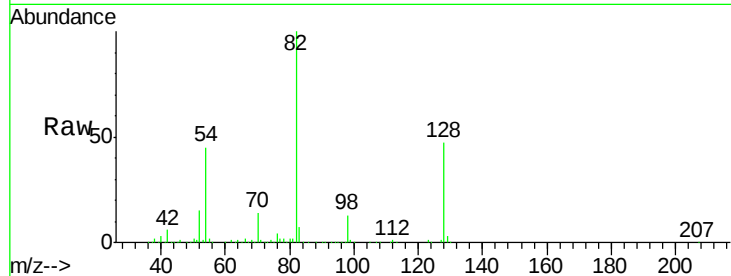
#23
Nitrobenzene-d5
Concen: 73.900 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleID :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.5	38.5	57.7	
54	44.9	36.7	55.1	

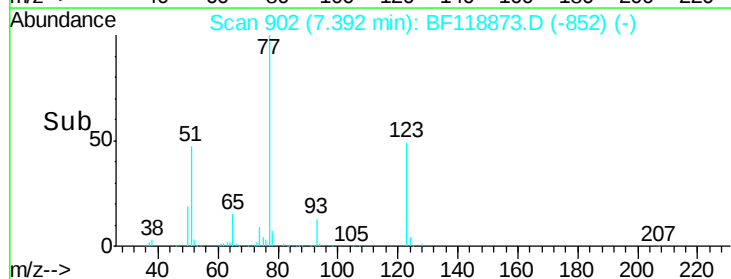
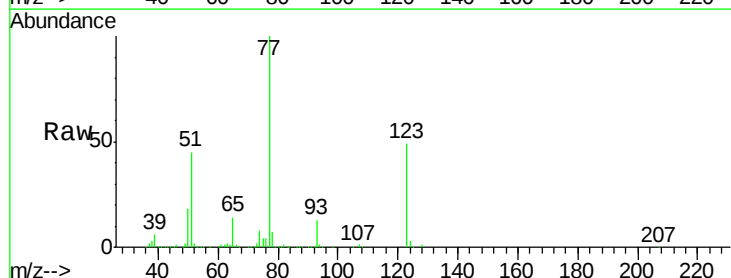
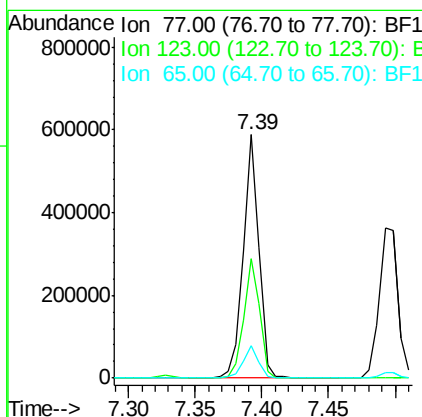
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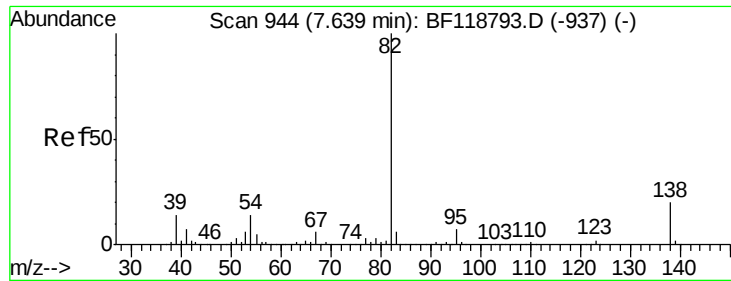
mohammad
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#24
Nitrobenzene
Concen: 42.139 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.1	39.0	58.4	
65	13.5	10.6	15.8	





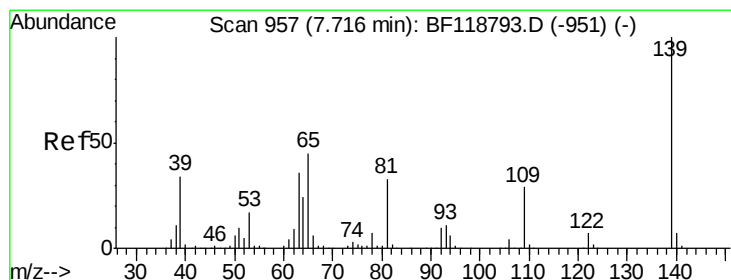
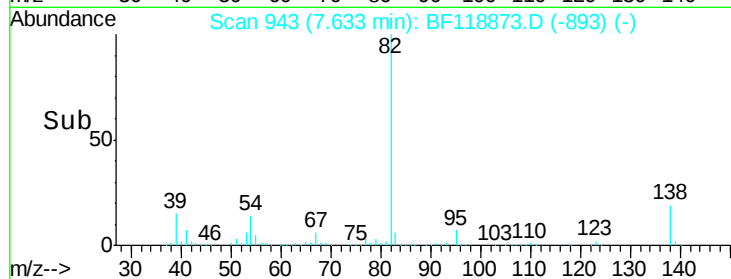
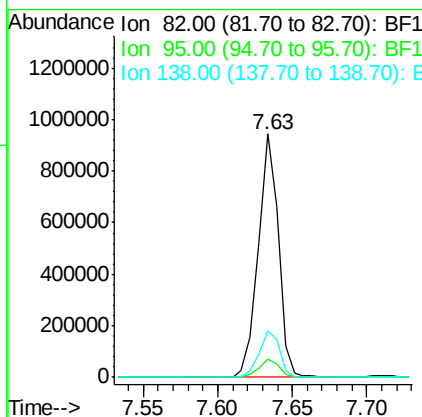
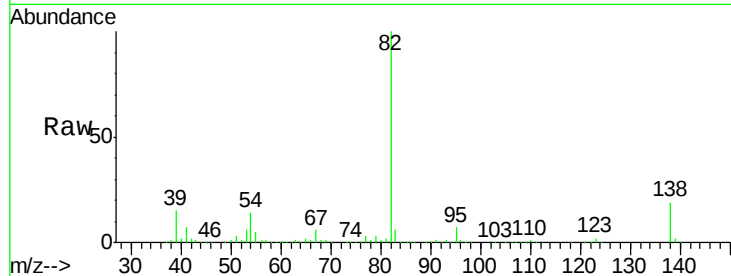
#25
Isophorone
Concen: 42.618 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.0	9.0
138	19.3	15.7	23.5

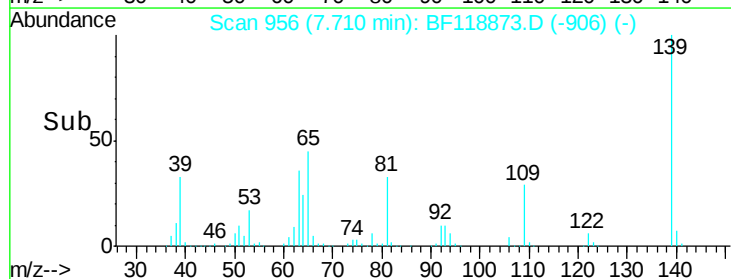
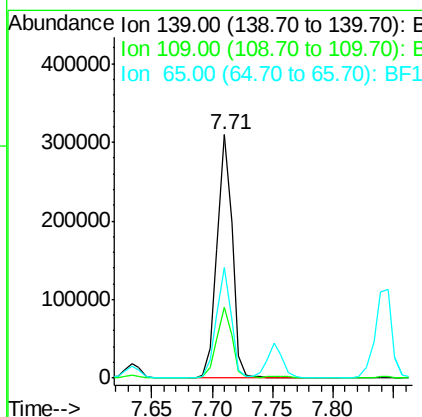
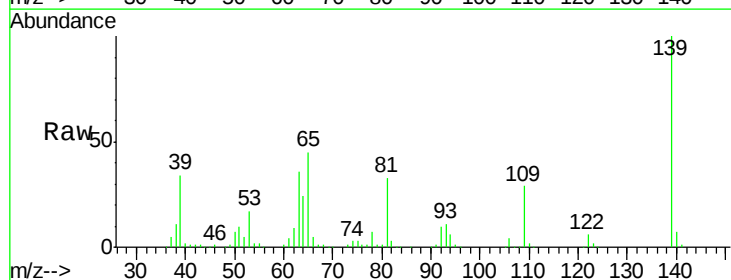
Manual Integrations
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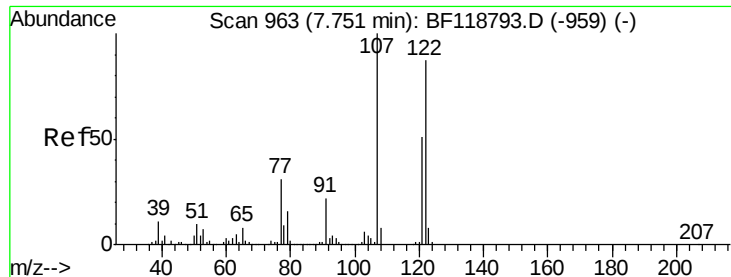
mohammad
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#26
2-Nitrophenol
Concen: 44.052 ng
RT: 7.71 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.4	35.0
65	45.3	36.2	54.2





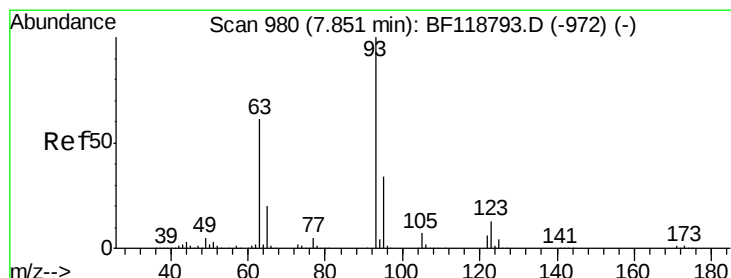
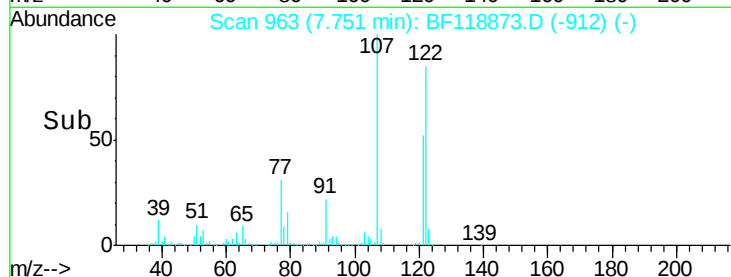
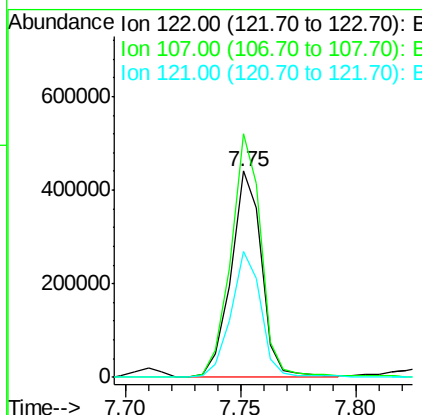
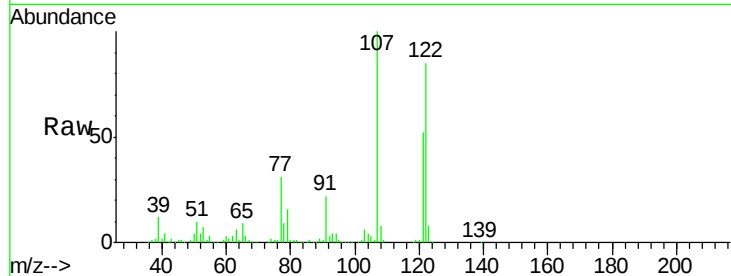
#27
2,4-Dimethylphenol
Concen: 49.491 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.3	92.2	138.2
121	60.9	46.8	70.2

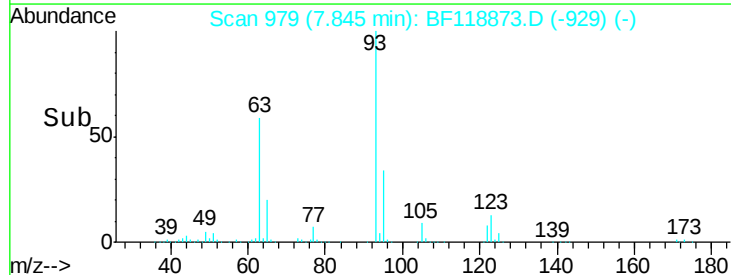
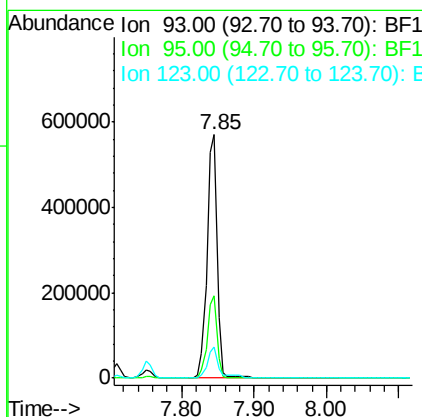
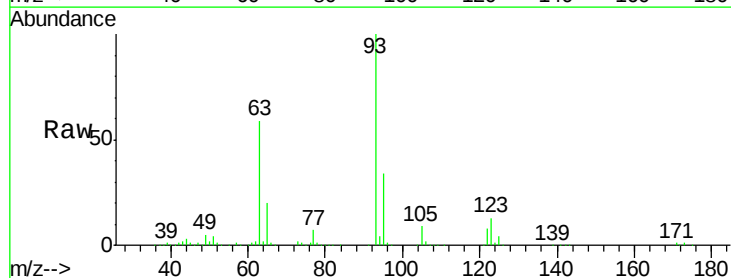
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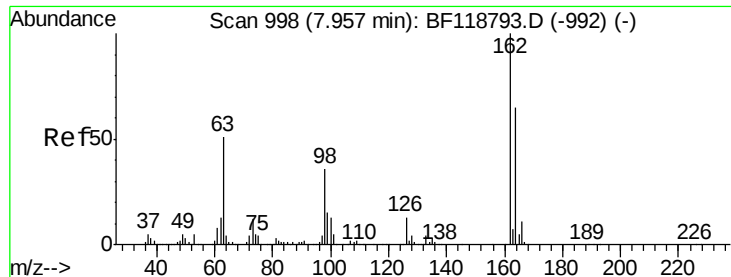
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 41.694 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.7	27.0	40.4
123	12.9	10.6	15.8





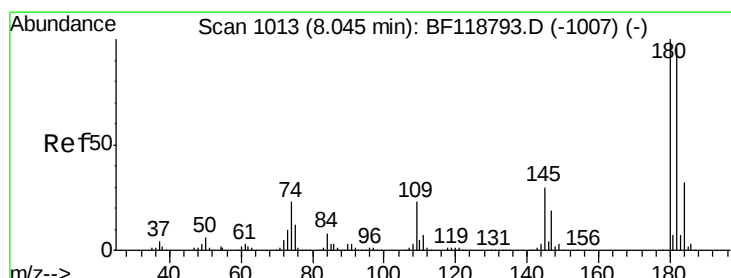
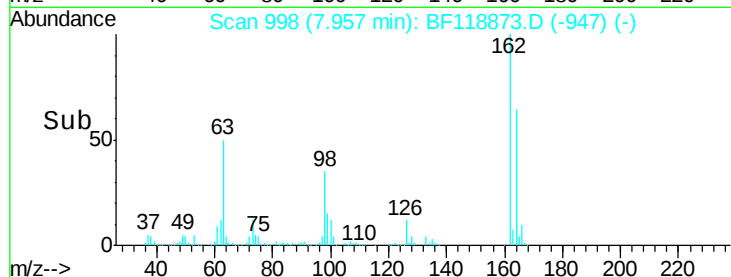
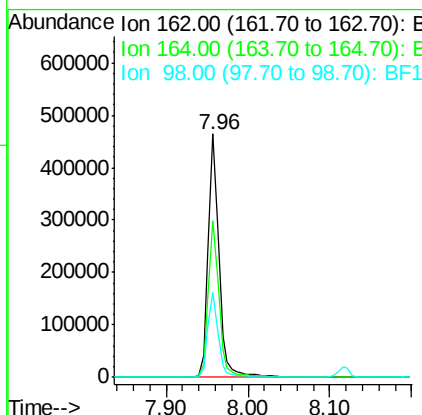
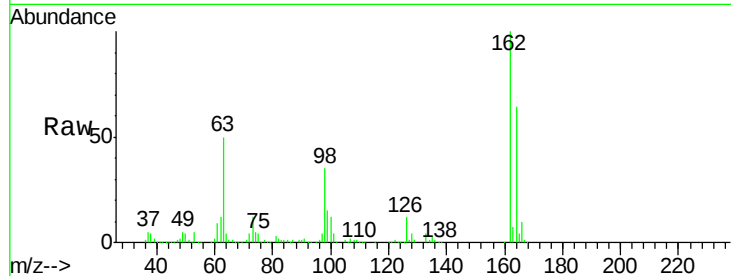
#29
2,4-Dichlorophenol
Concen: 43.301 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:	162	Resp:	427017
Ion Ratio	Lower	Upper	
162	100		
164	64.1	44.8	84.8
98	35.1	16.4	56.4

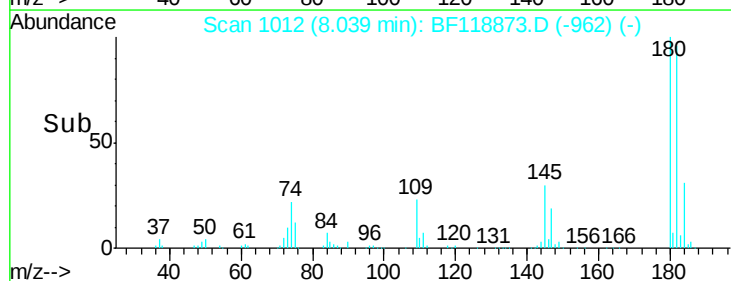
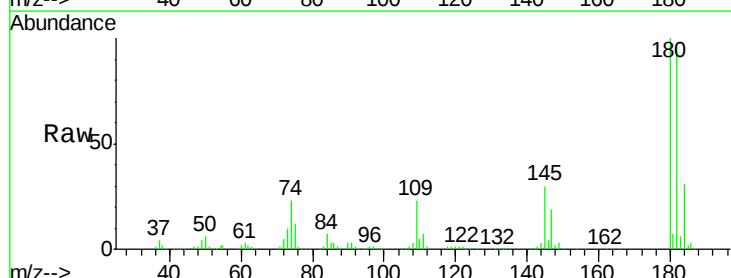
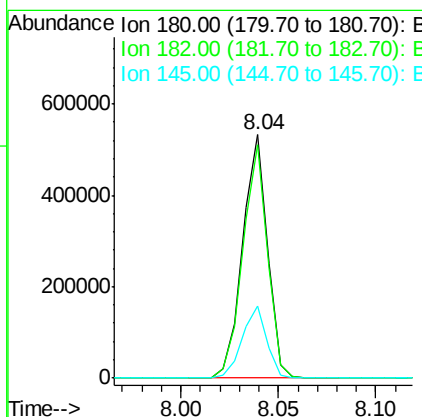
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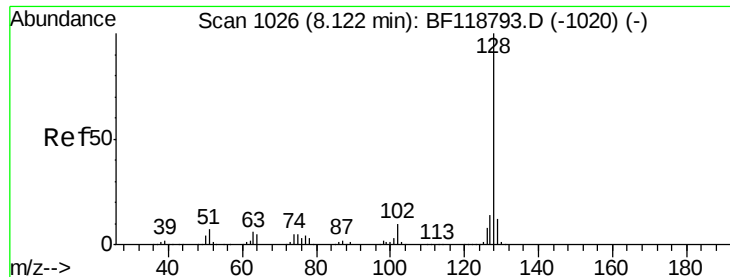
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 40.840 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:	180	Resp:	470753
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.6	115.0
145	29.7	24.0	36.0





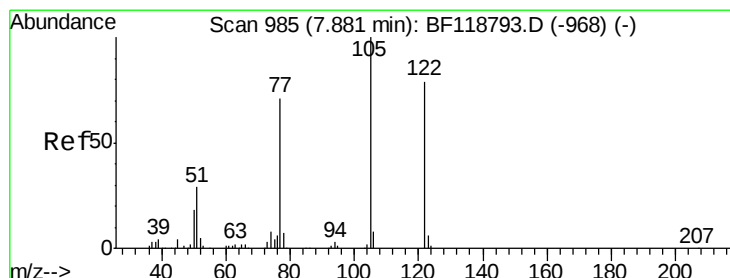
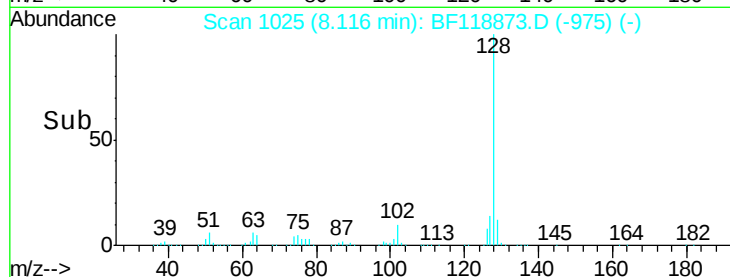
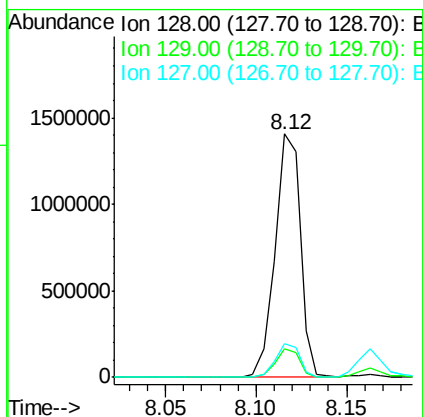
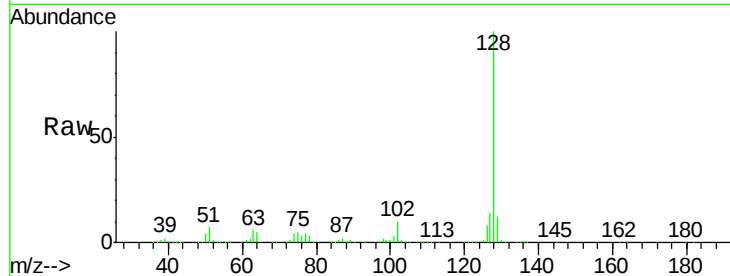
#31
Naphthalene
Concen: 43.939 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	13.8	11.3	16.9

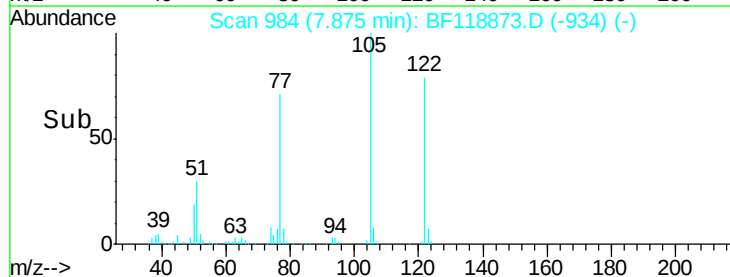
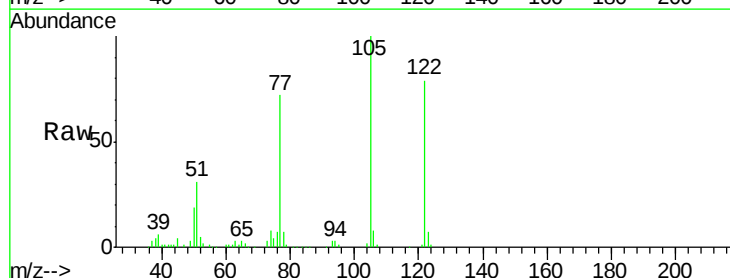
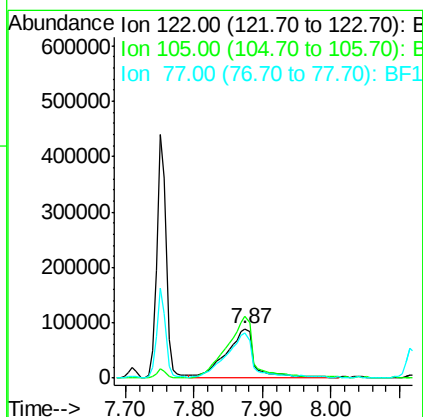
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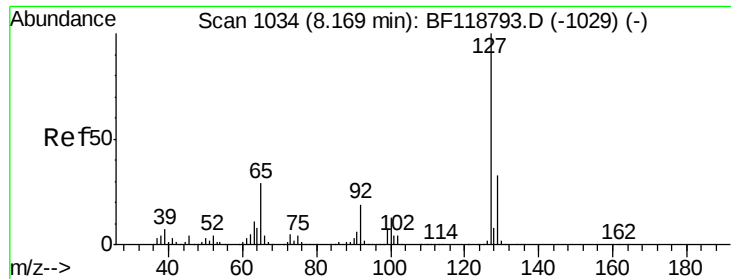
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#32
Benzoic acid
Concen: 36.433 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.8	104.4	144.4
77	91.9	69.3	109.3





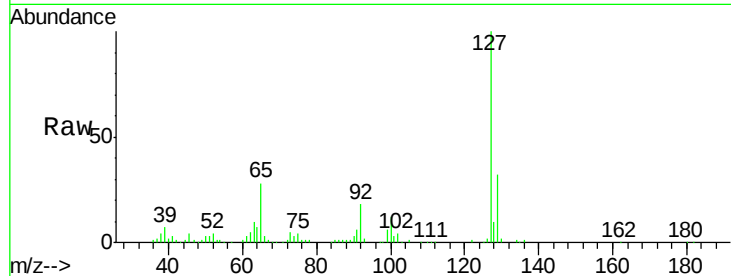
#33
4-Chloroaniline
Concen: 13.020 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

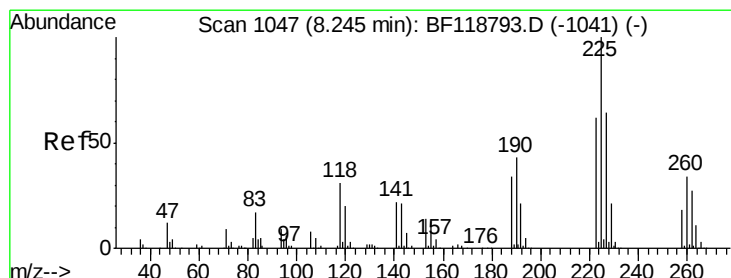
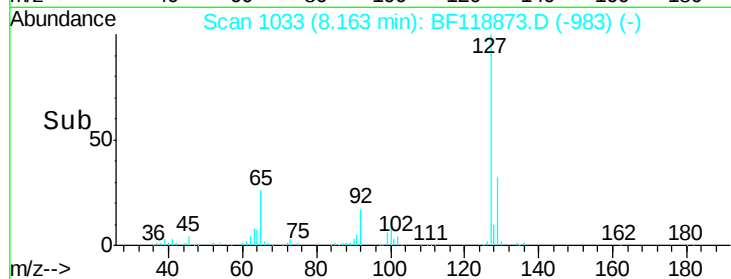
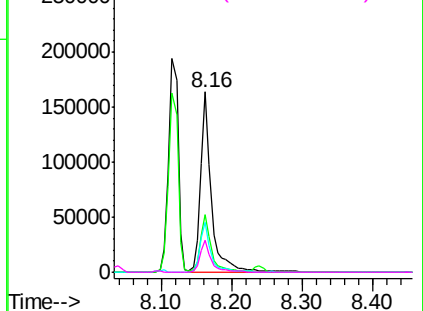
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	26.7	40.1		
65	27.8	22.9	34.3		
92	17.5	15.4	23.0		

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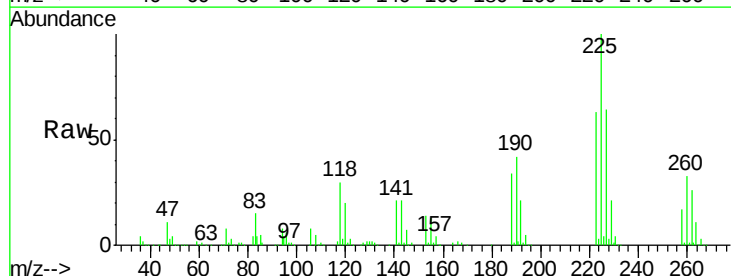


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

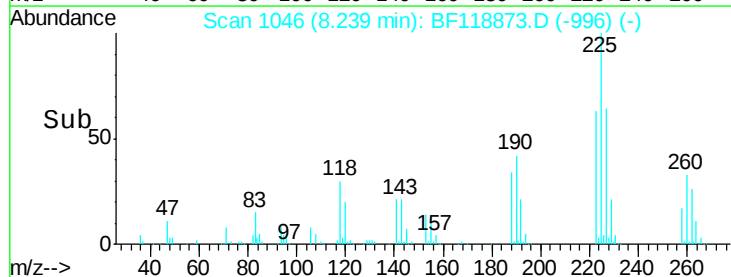
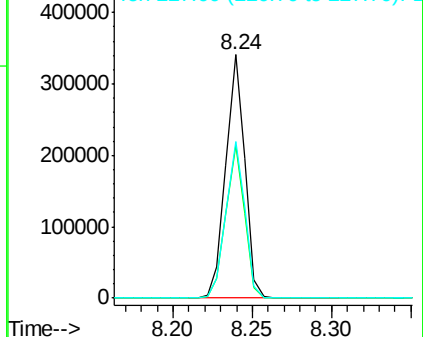


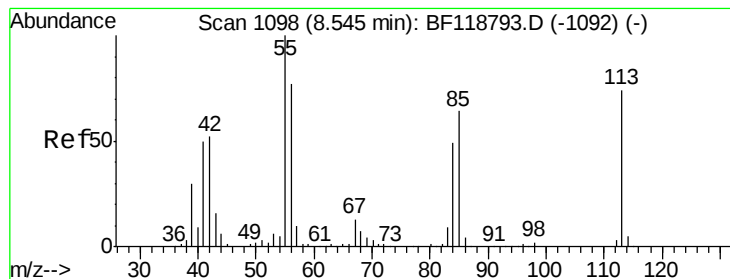
#34
Hexachlorobutadiene
Concen: 40.086 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	49.8	74.8		
227	64.5	51.0	76.4		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 44.698 ng/ml

RT: 8.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

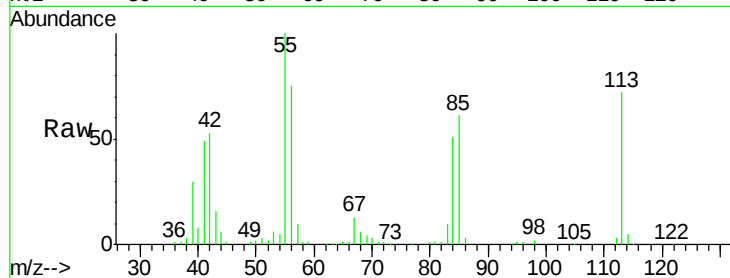
ClientSampleID :

TP-4MS

Tot Ion:	113	Resp:	142895
Ion	Ratio	Lower	Upper
113	100		
55	139.4	115.5	155.5
56	104.8	83.7	123.7

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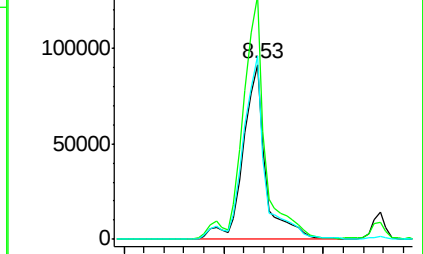
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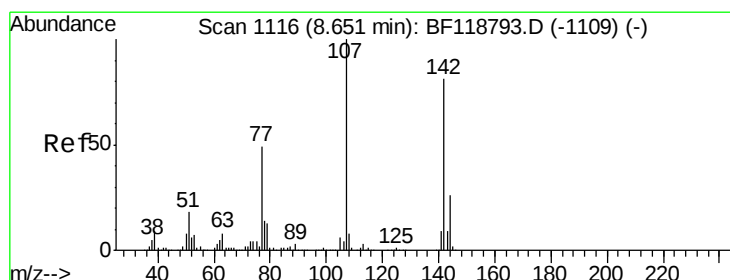
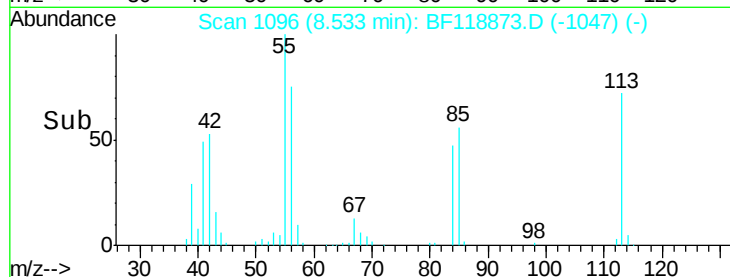
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



Time-->



#36

4-Chloro-3-methylphenol

Concen: 44.279 ng/ml

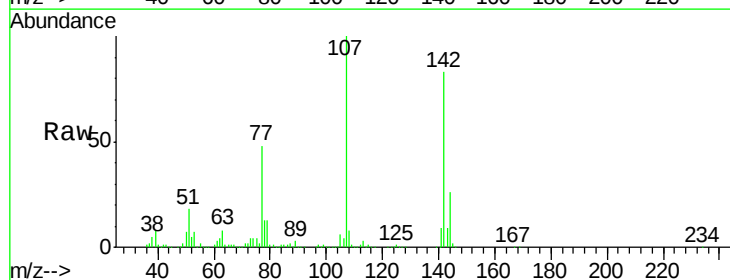
RT: 8.66 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

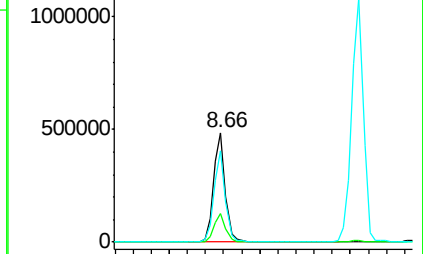
Tgt Ion:	107	Resp:	439445
Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.0	31.6
142	83.4	64.8	97.2



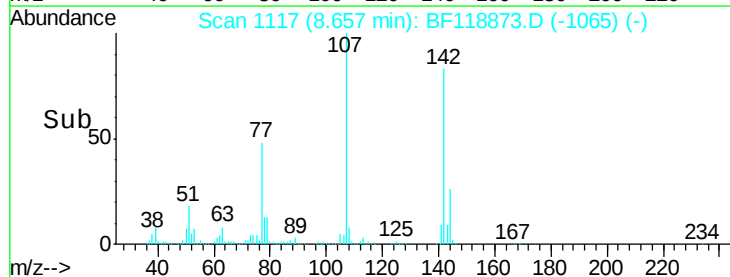
Abundance Ion 107.00 (106.70 to 107.70): E

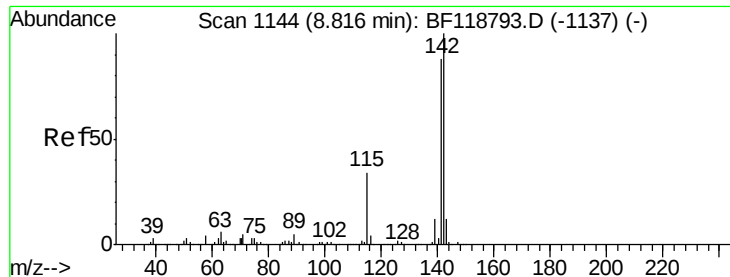
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->





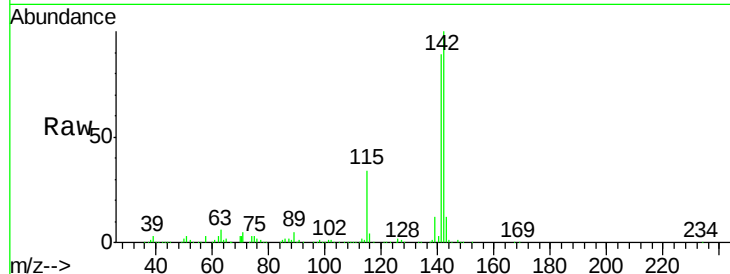
#37
2-Methylnaphthalene
Concen: 44.586 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	959953		
141	88.9	70.1	105.1	
115	34.4	27.3	40.9	

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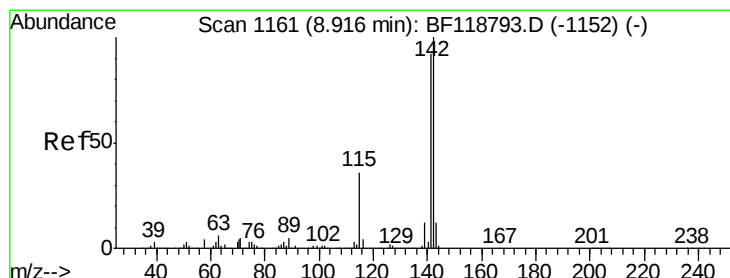
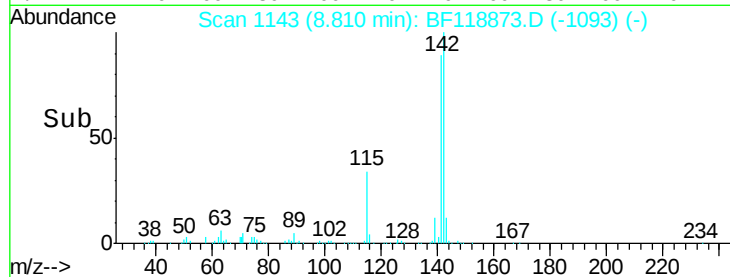
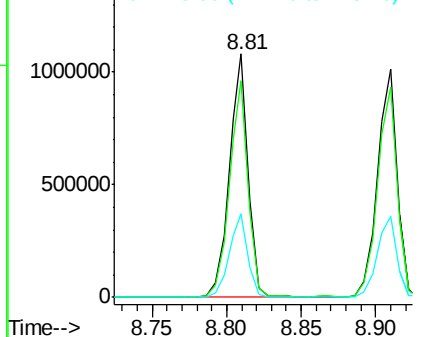


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 44.658 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

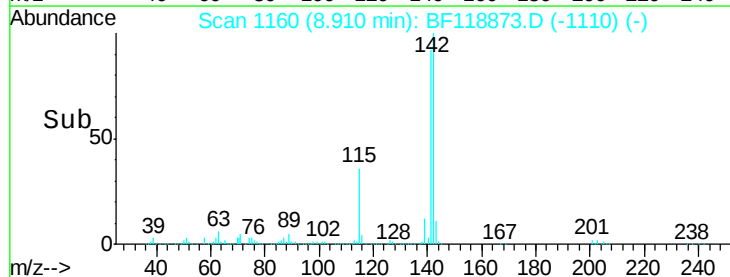
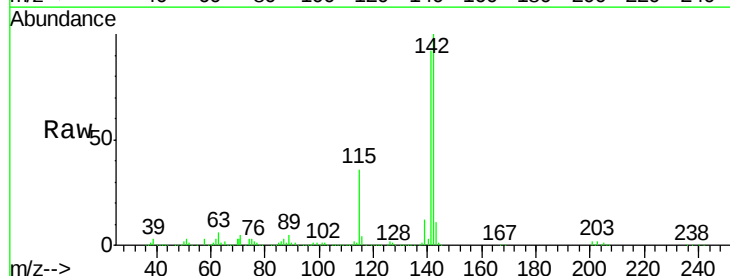
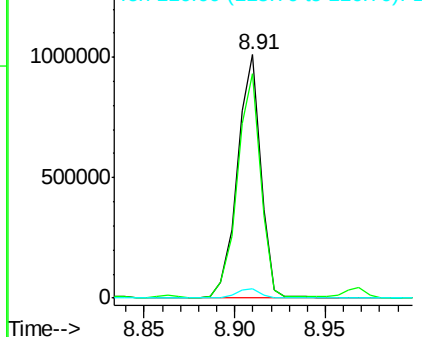
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	904505		
141	92.3	73.8	110.6	
116	3.6	3.0	4.4	

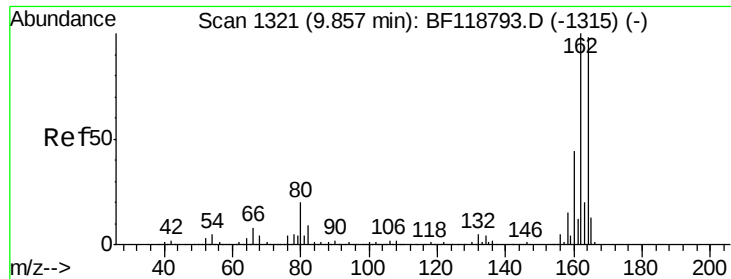
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





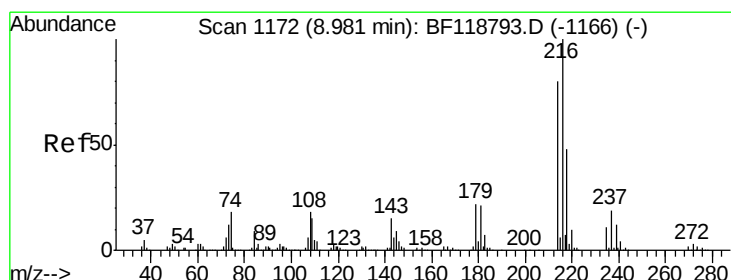
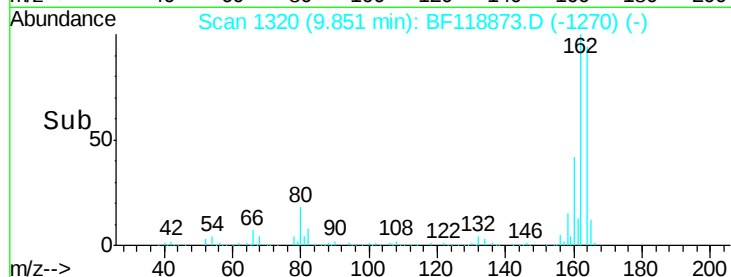
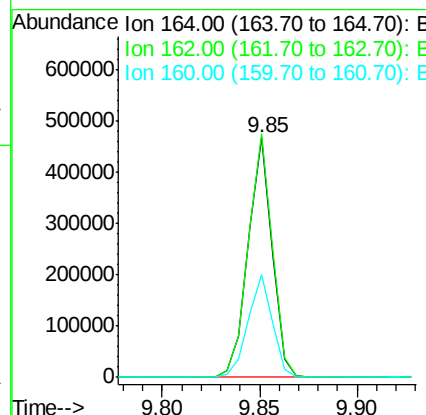
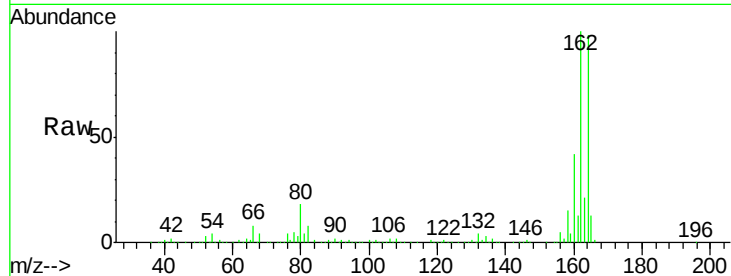
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	81.4	122.2	
160	43.1	35.6	53.4	

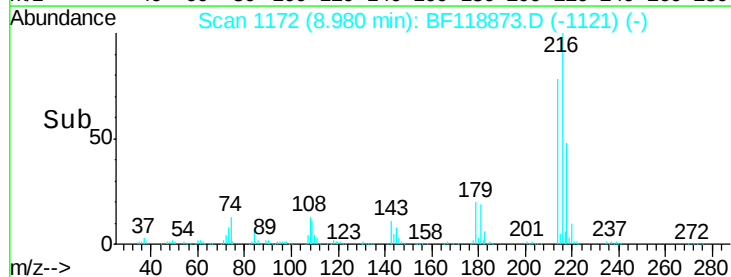
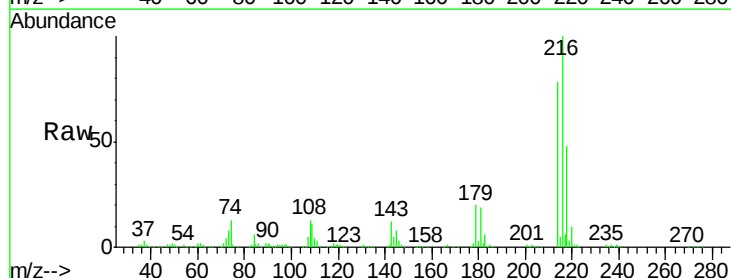
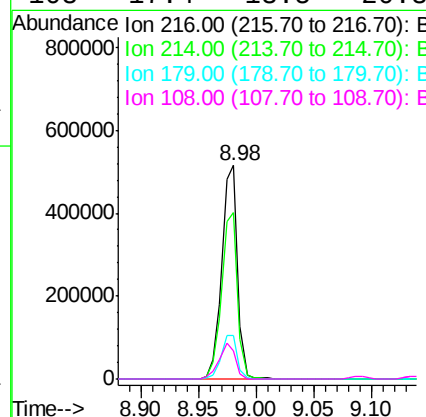
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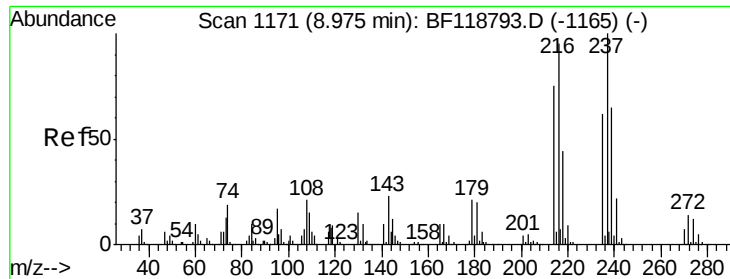
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.320 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.7	63.0	94.4	
179	20.8	17.0	25.6	
108	17.4	13.5	20.3	





#41

Hexachlorocyclopentadiene

Concen: 66.468 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

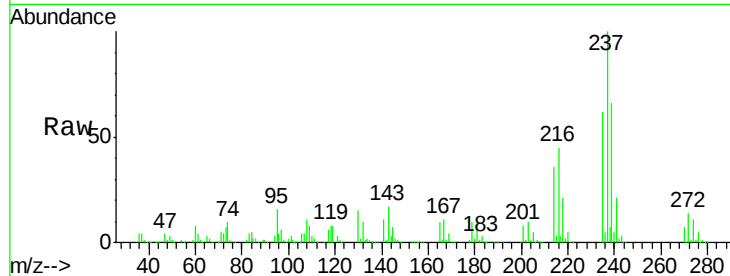
ClientSampled :

TP-4MS

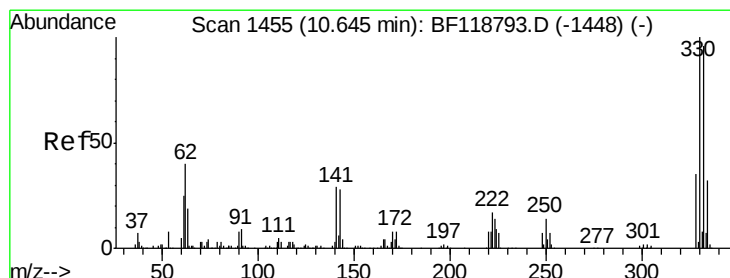
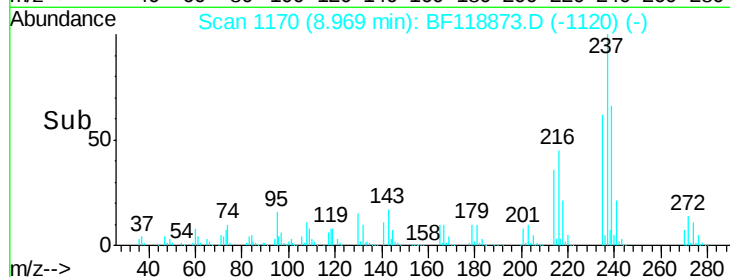
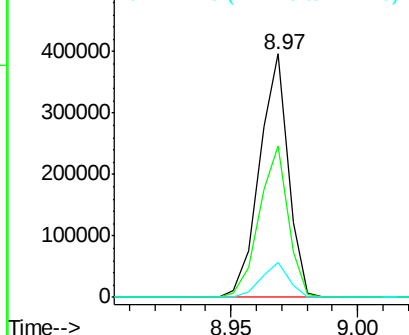
Tot Ion:	237	Resp:	314442
Ion Ratio	Lower	Upper	
237	100		
235	62.1	42.1	82.1
272	14.2	0.0	34.4

Manual Integrations
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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: 108.254 ng

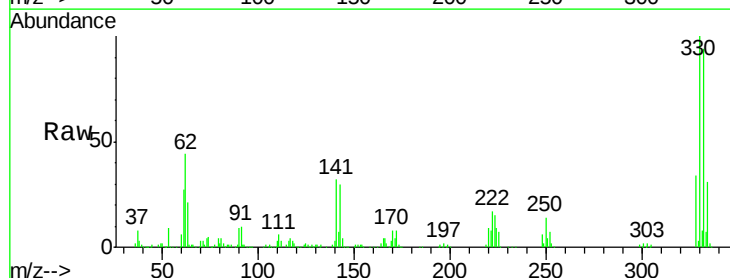
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

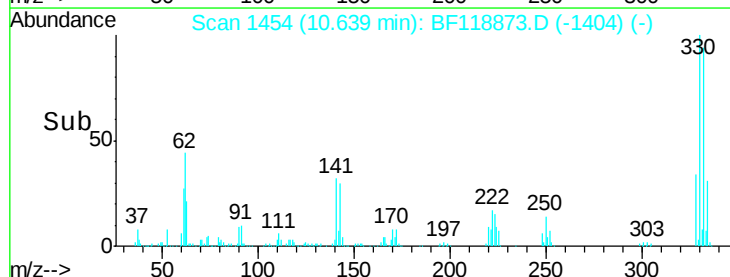
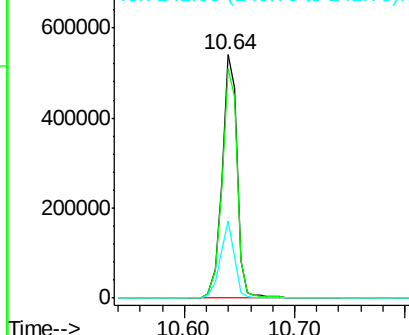
Lab File: BF118873.D

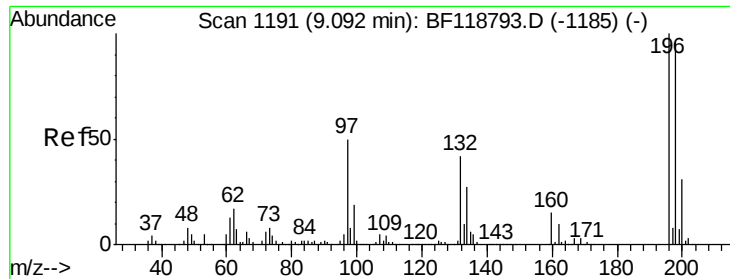
Acq: 10 Feb 2020 17:18

Tgt Ion:	330	Resp:	517788
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.3	115.9
141	29.3	22.4	33.6



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





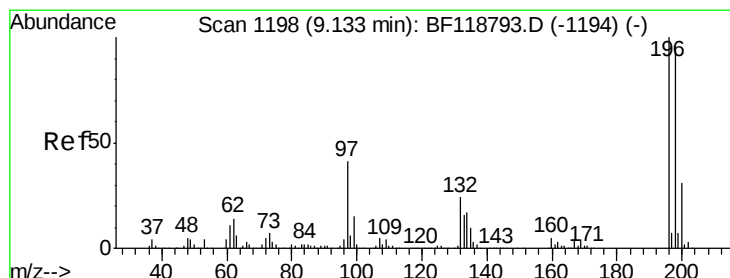
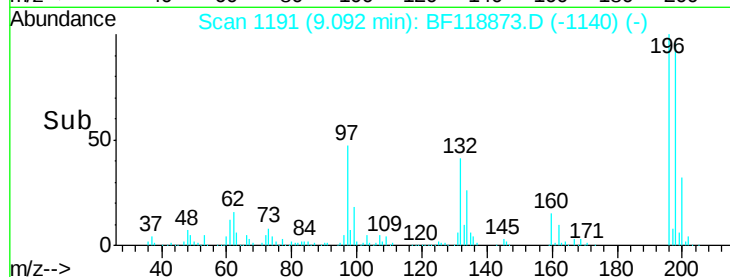
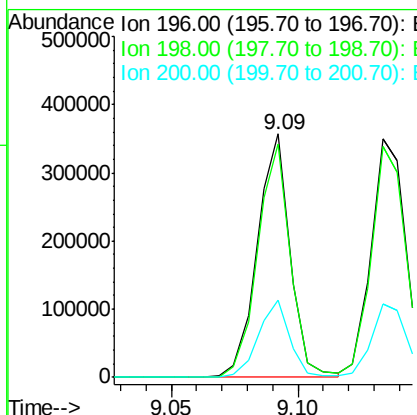
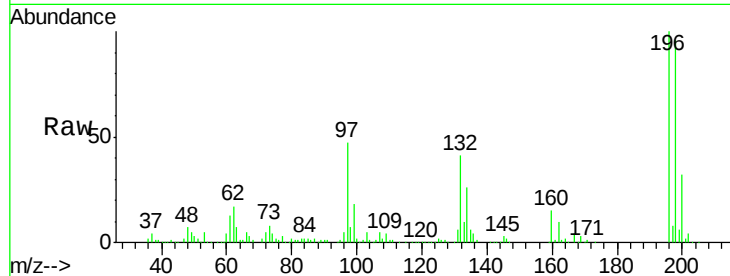
#43
 2,4,6-Trichlorophenol
 Concen: 40.040 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion:	196	Resp:	323028
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.7	115.1
200	31.7	24.9	37.3

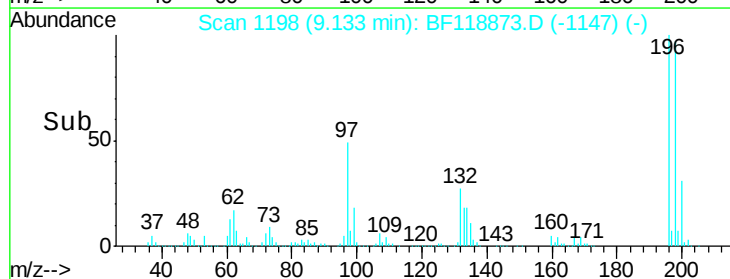
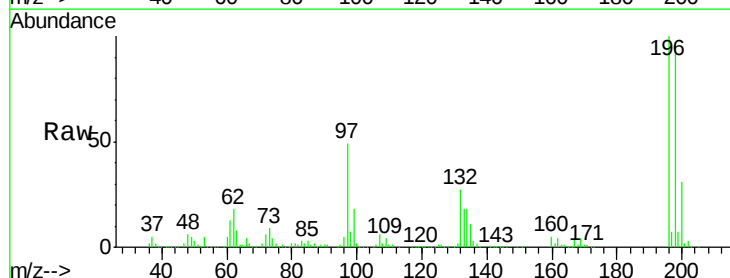
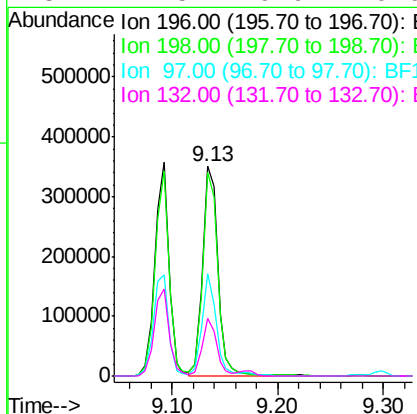
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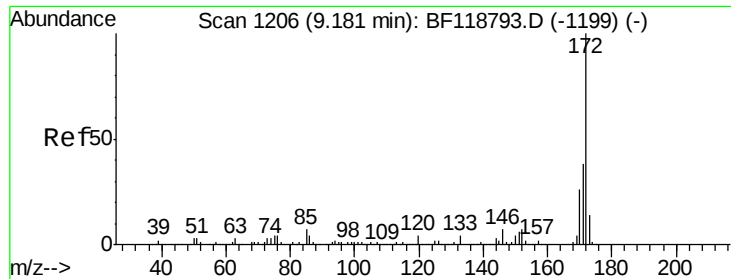
mohammad
 2/13/2020 10:28:41 AM



#44
 2,4,5-Trichlorophenol
 Concen: 42.728 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:	196	Resp:	352222
Ion Ratio	Lower	Upper	
196	100		
198	96.8	77.0	115.4
97	48.7	32.9	49.3
132	27.5	19.9	29.9





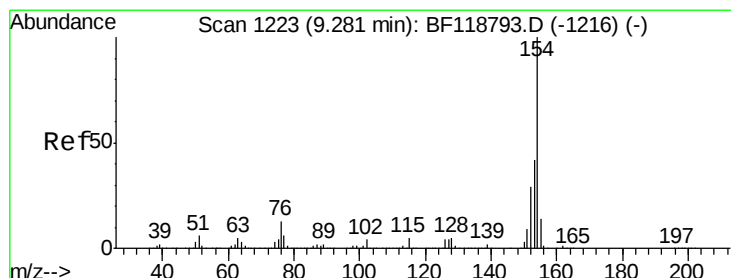
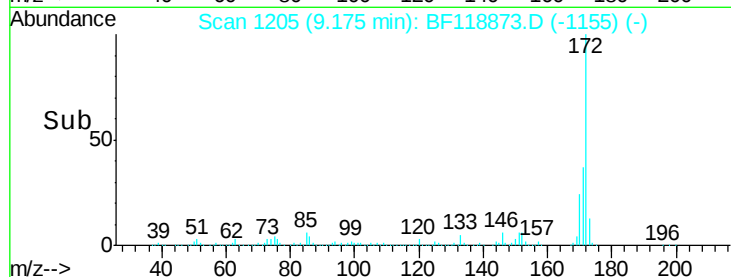
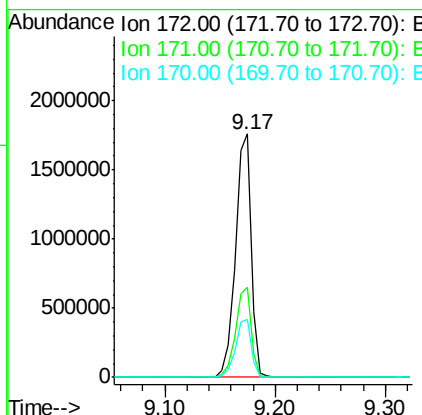
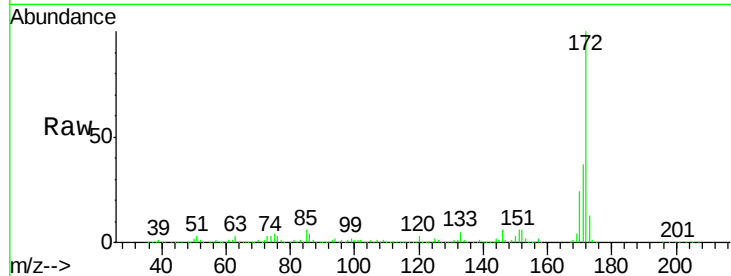
#45
2-Fluorobiphenyl
Concen: 79.108 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.8	46.2
170	24.0	20.5	30.7

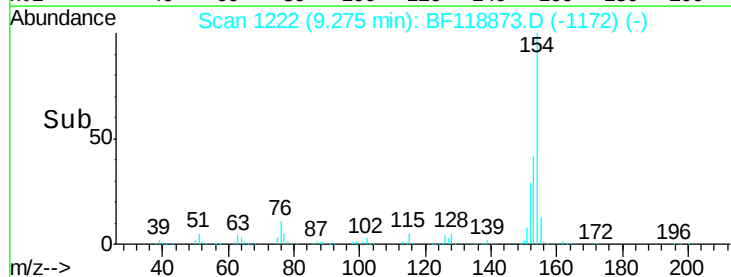
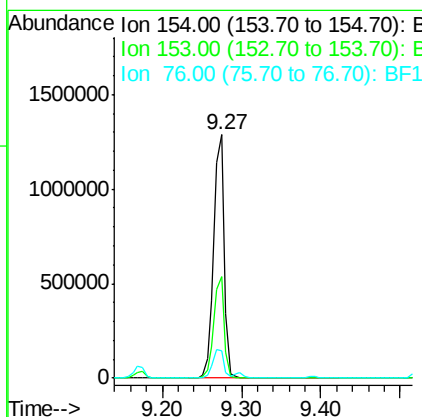
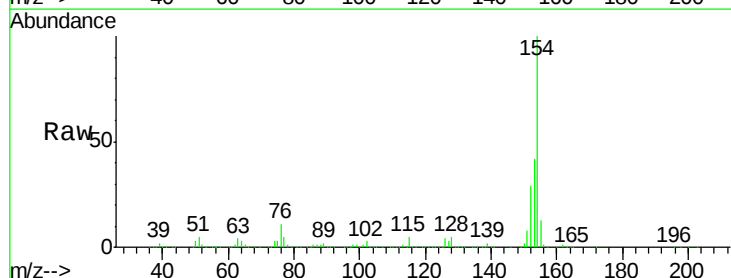
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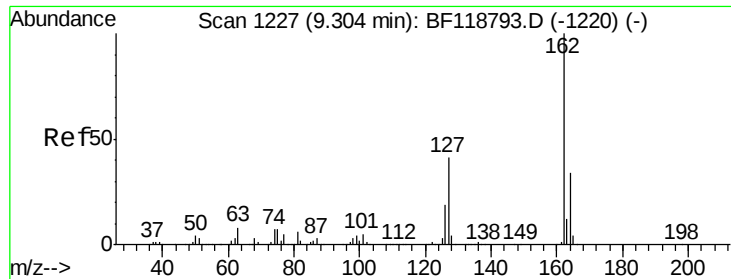
mohammad
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#46
1,1'-Biphenyl
Concen: 42.725 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	22.4	62.4
76	11.2	0.0	32.7





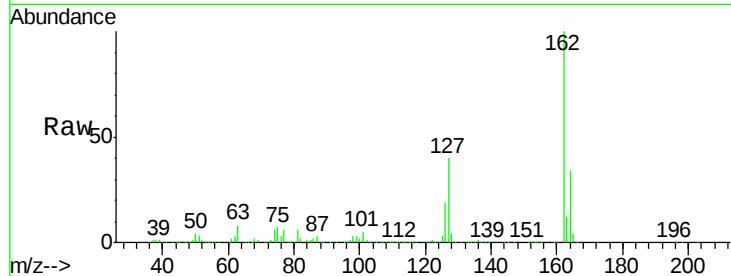
#47
 2-Chloronaphthalene
 Concen: 41.308 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

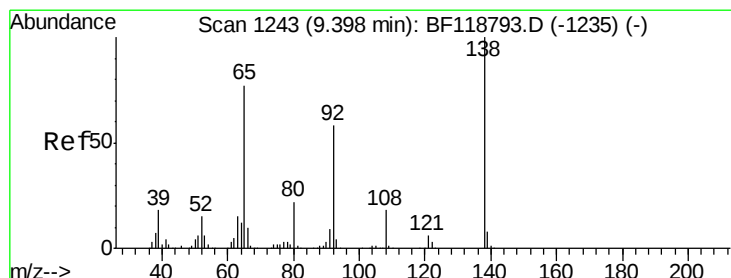
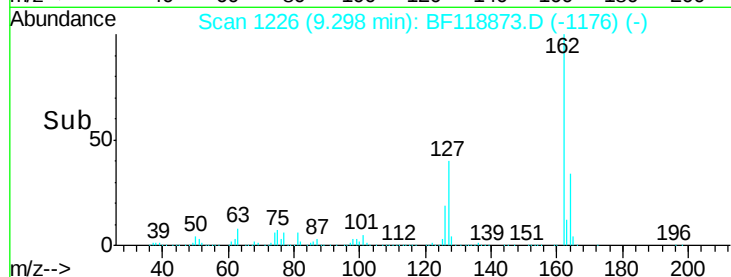
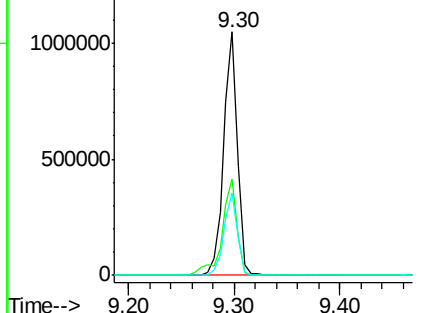
Tot Ion:	162	Resp:	949595
Ion Ratio		Lower	Upper
162	100		
127	39.5	33.3	49.9
164	33.8	27.1	40.7

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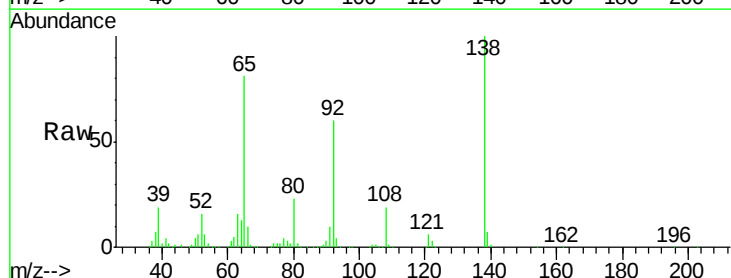


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

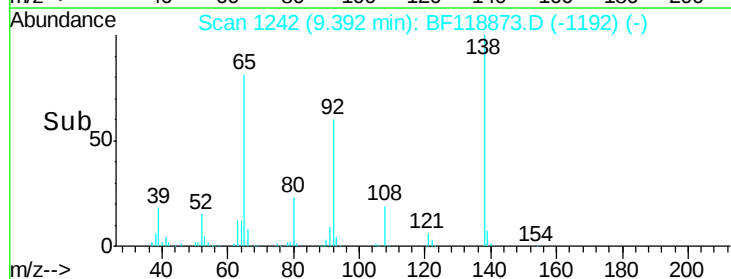
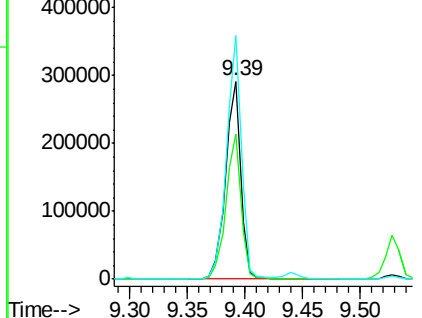


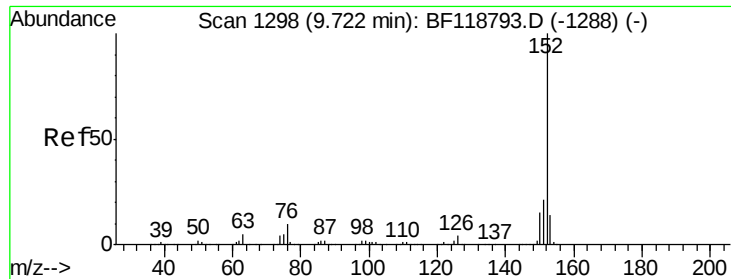
#48
 2-Nitroaniline
 Concen: 40.425 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:	65	Resp:	268030
Ion Ratio		Lower	Upper
65	100		
92	73.4	60.6	91.0
138	122.9	104.6	156.8



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





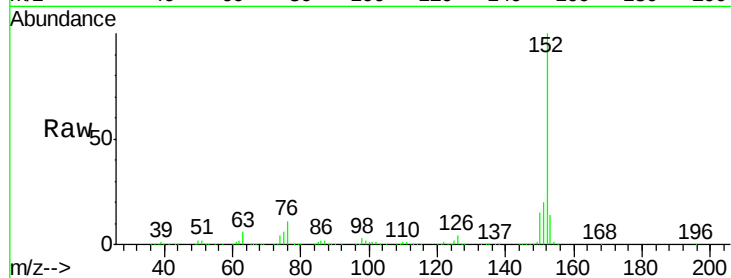
#49
Acenaphthylene
Concen: 45.031 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

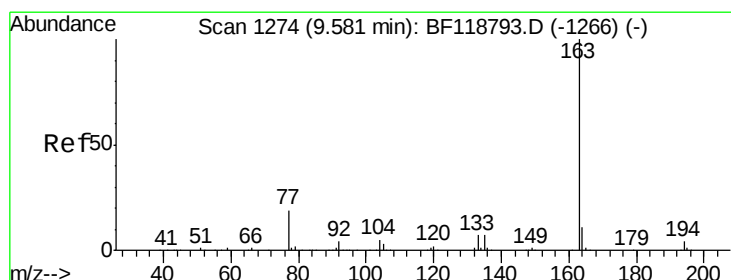
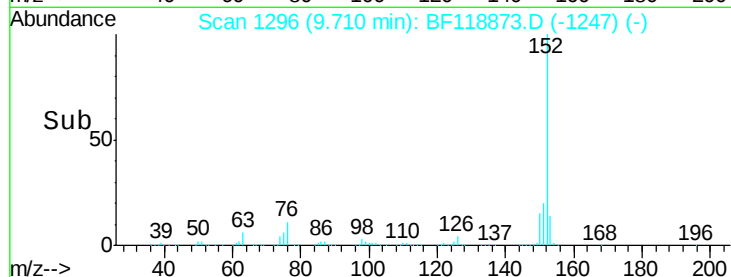
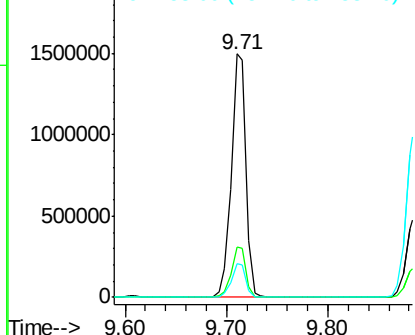
Tot Ion:152 Resp: 1494683
Ion Ratio Lower Upper
152 100
151 20.4 17.1 25.7
153 13.8 11.0 16.4

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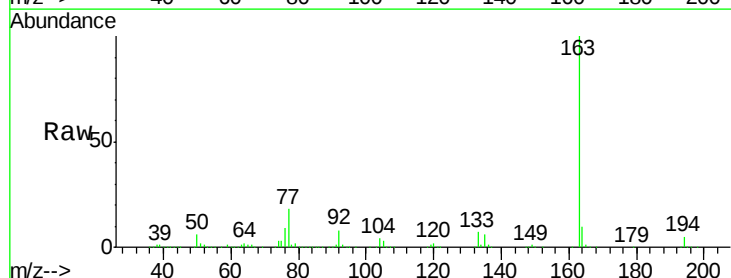


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

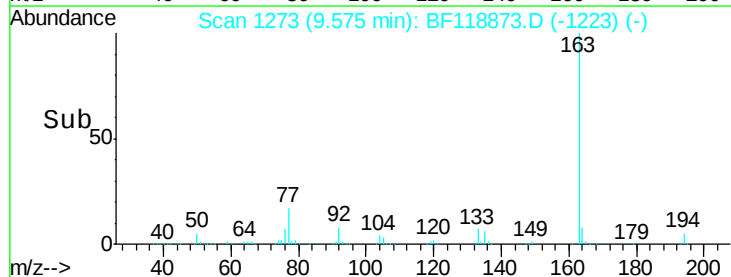
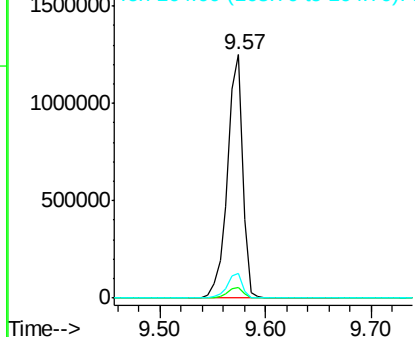


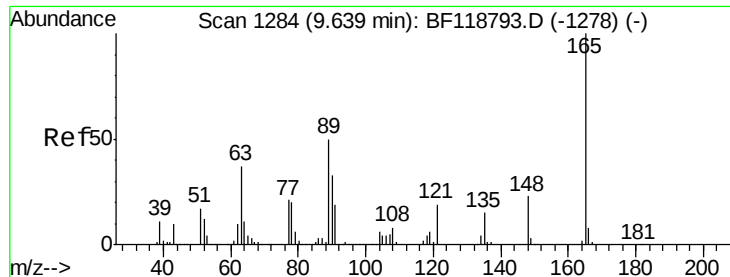
#50
Dimethylphthalate
Concen: 45.697 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:163 Resp: 1243812
Ion Ratio Lower Upper
163 100
194 4.6 3.6 5.4
164 10.1 8.7 13.1



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





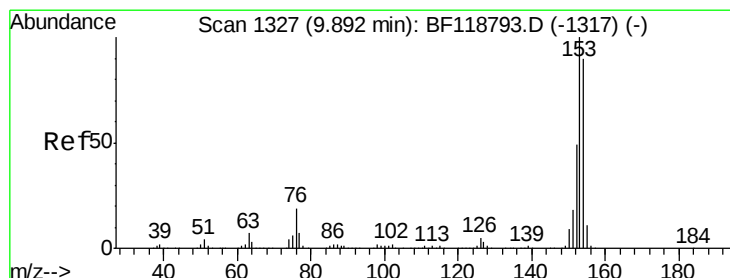
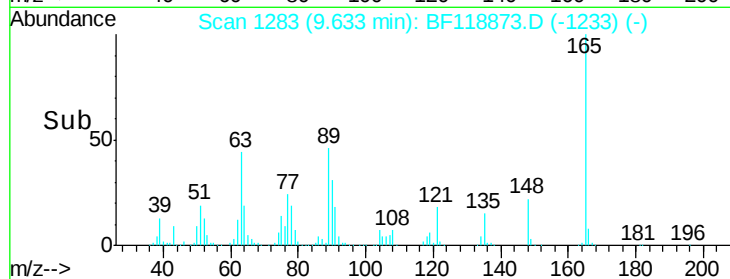
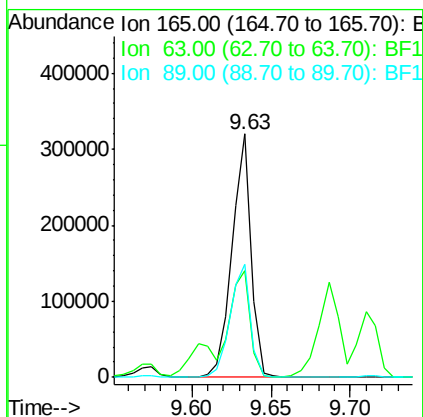
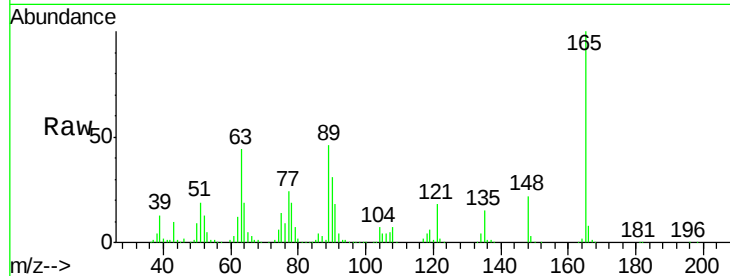
#51
2,6-Dinitrotoluene
Concen: 43.012 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	267877		
63	44.0		37.4	56.0
89	46.2		39.7	59.5

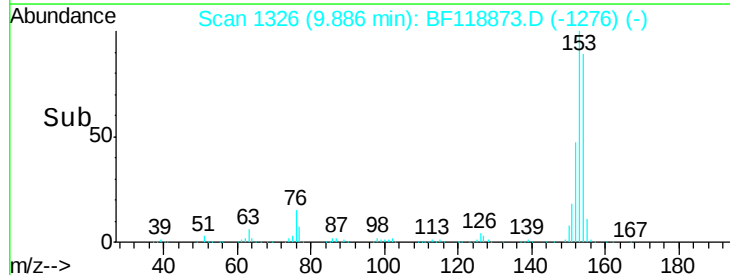
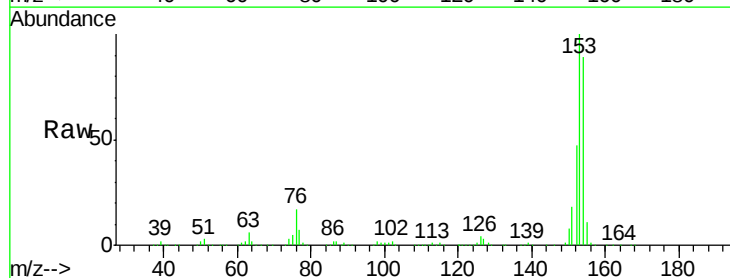
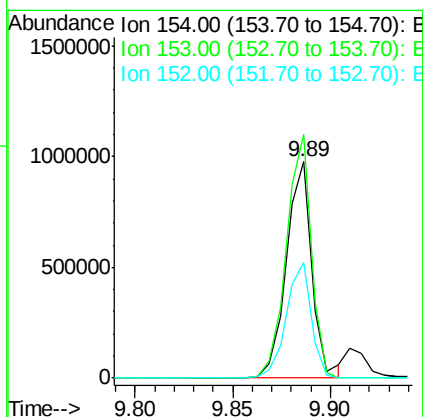
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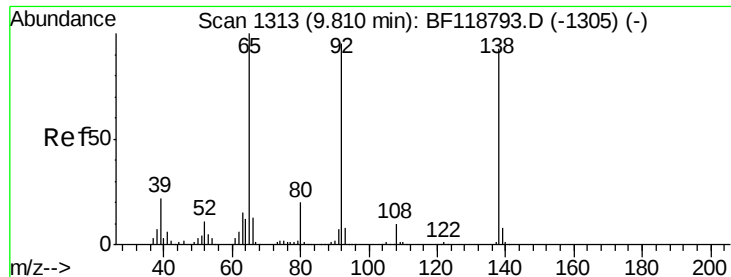
mohammad
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#52
Acenaphthene
Concen: 40.594 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	887882		
153	112.6		89.4	134.0
152	53.4		43.6	65.4





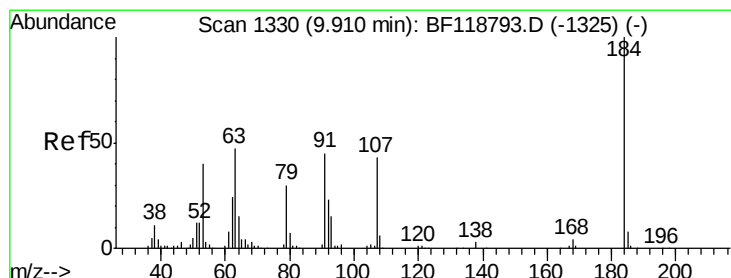
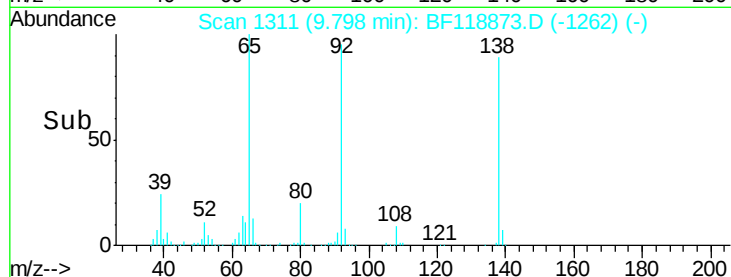
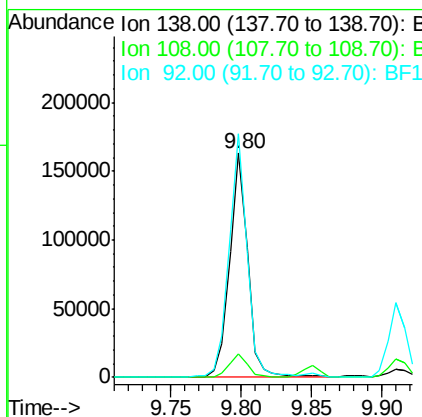
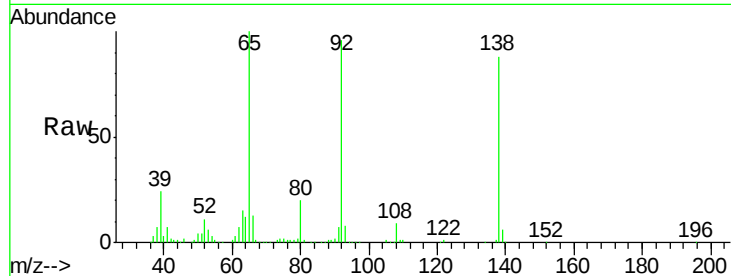
#53
3-Nitroaniline
Concen: 21.172 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.5	12.7
92	108.6	82.2	123.4

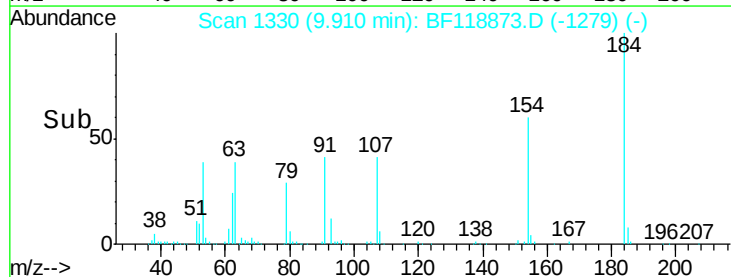
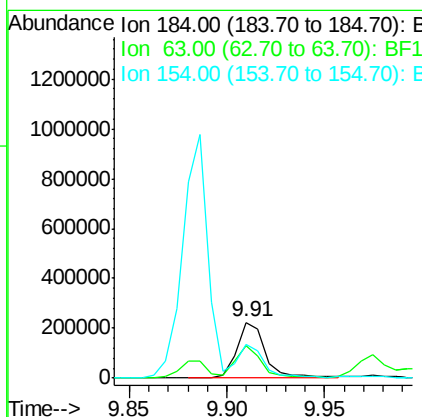
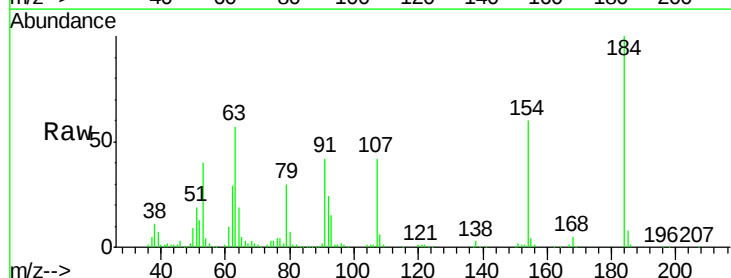
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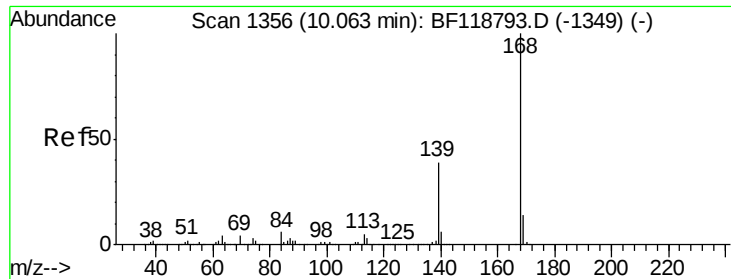
mohammad
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#54
2,4-Dinitrophenol
Concen: 75.713 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.4	47.5	71.3
154	60.0	48.6	72.8





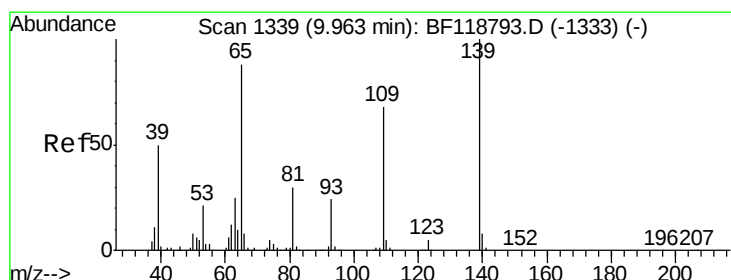
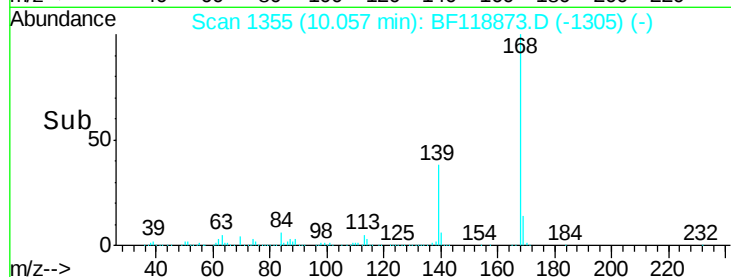
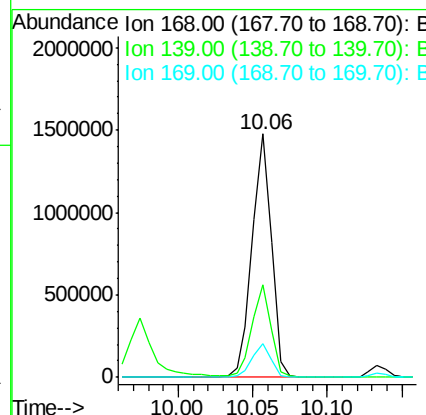
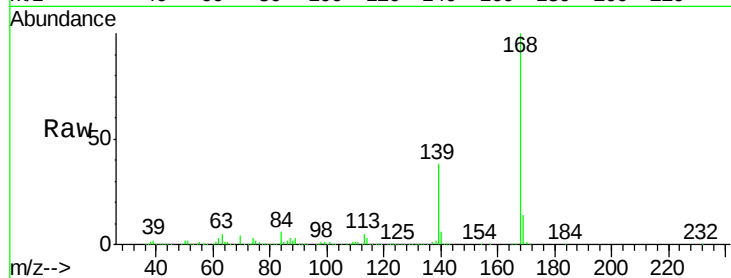
#55
Dibenzofuran
Concen: 41.755 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.6	47.4
169	13.7	11.4	17.2

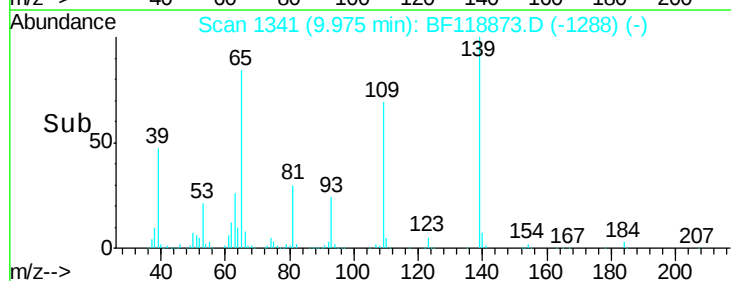
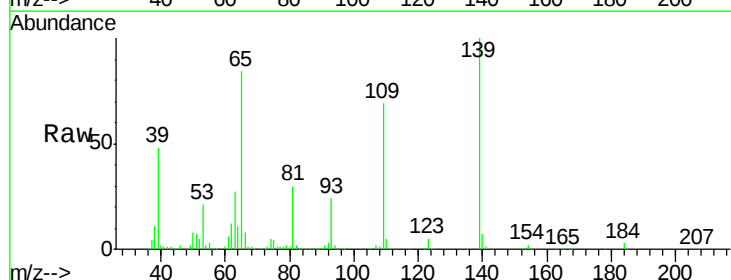
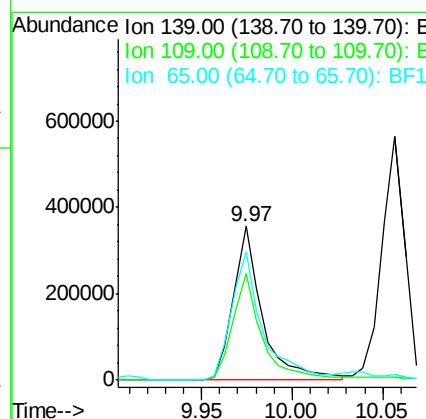
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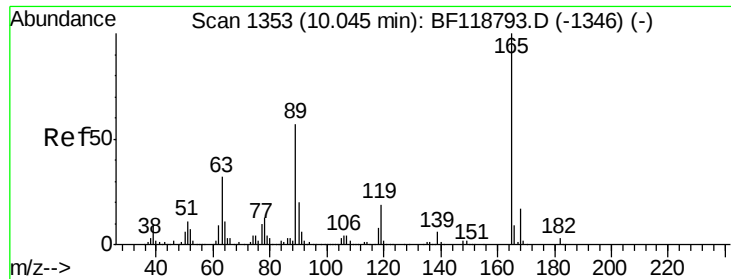
mohammad
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#56
4-Nitrophenol
Concen: 80.145 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.0	48.0	88.0
65	83.7	68.3	108.3





#57

2,4-Dinitrotoluene

Concen: 42.648 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

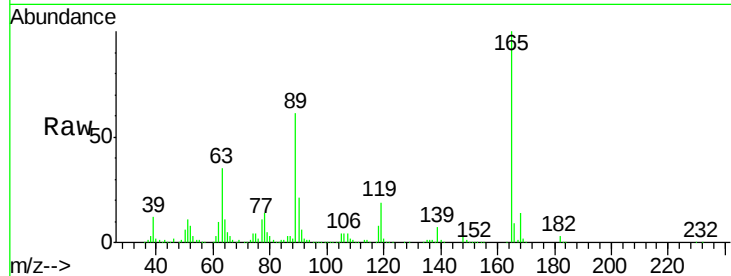
ClientSampleId :

TP-4MS

Tot Ion:	165	Resp:	351504
Ion Ratio	Lower	Upper	
165	100		
63	35.0	25.5	38.3
89	61.0	45.4	68.0
182	3.1	2.4	3.6

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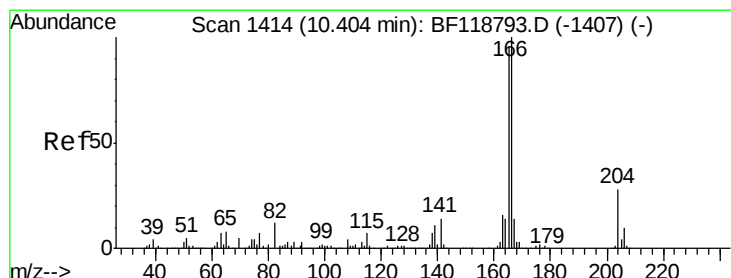
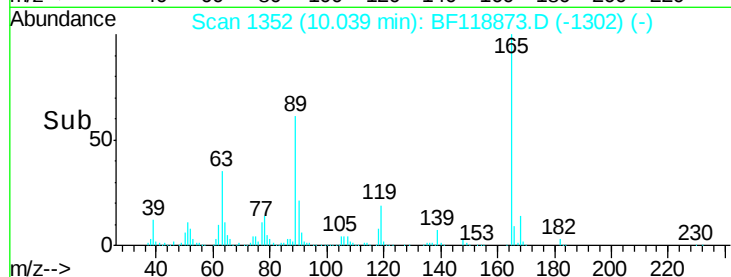
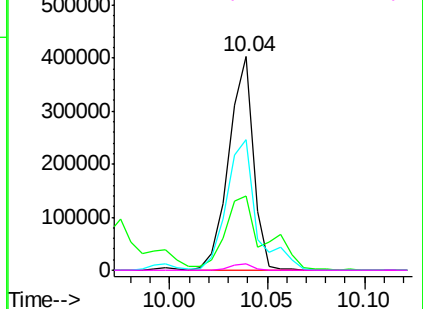


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 42.691 ng

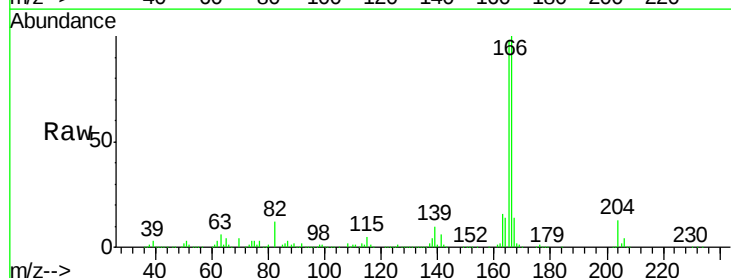
RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

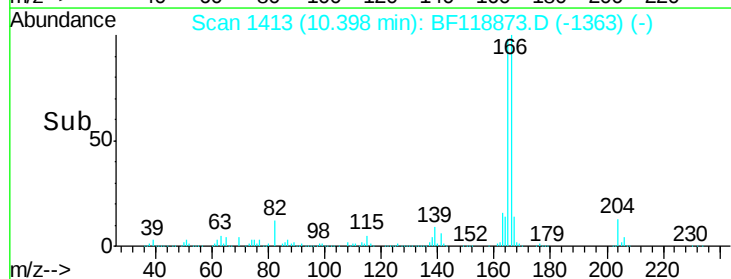
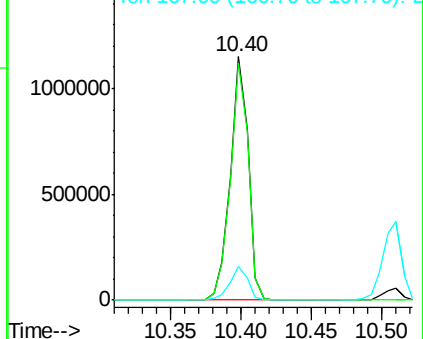
Tgt Ion:	166	Resp:	1015194
Ion Ratio	Lower	Upper	
166	100		
165	97.6	77.0	115.6
167	13.7	11.1	16.7

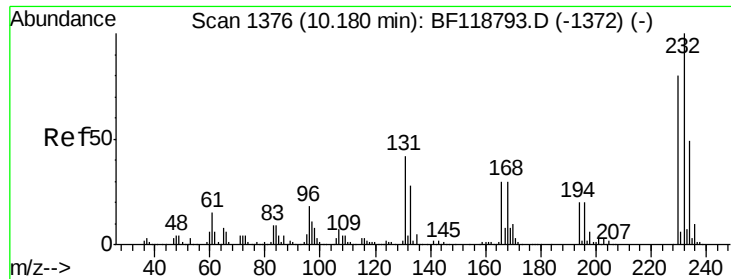


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





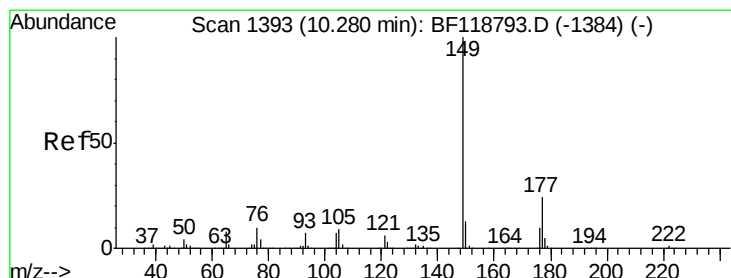
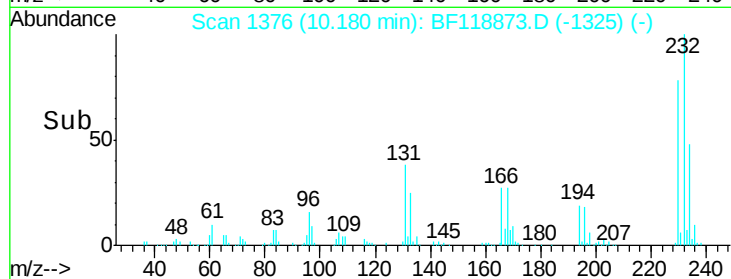
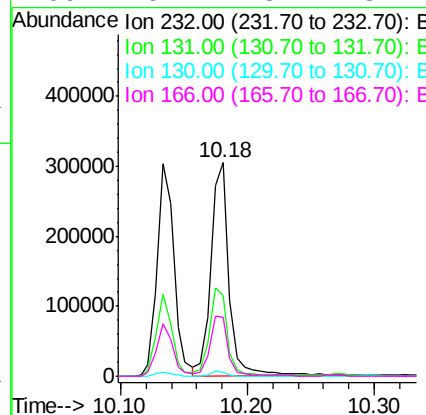
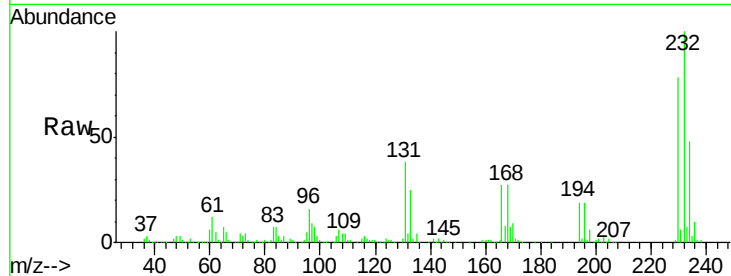
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.964 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	302099		
131	40.6		31.8	47.6
130	2.1		1.6	2.4
166	28.1		23.1	34.7

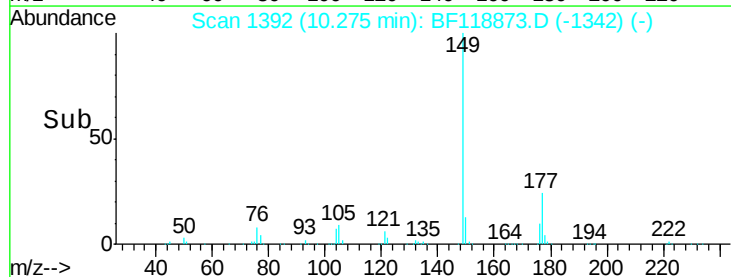
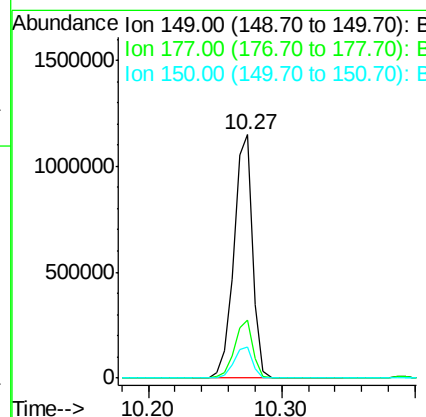
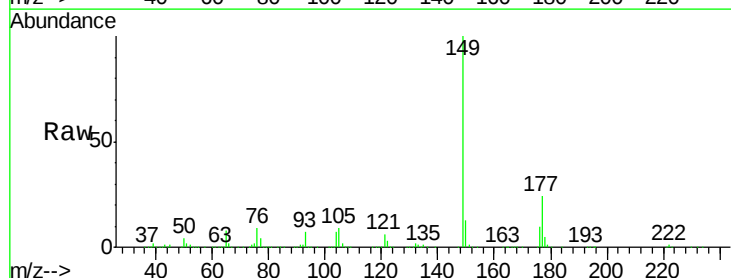
Manual Integrations
 APPROVED

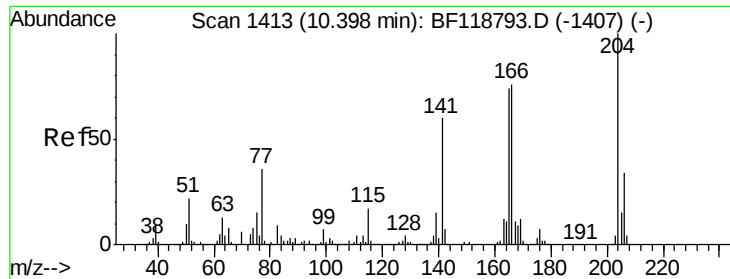
mohammad
 2/13/2020 10:28:41 AM



#60
 Diethylphthalate
 Concen: 42.934 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1136345		
177	23.7		19.3	28.9
150	12.6		10.4	15.6





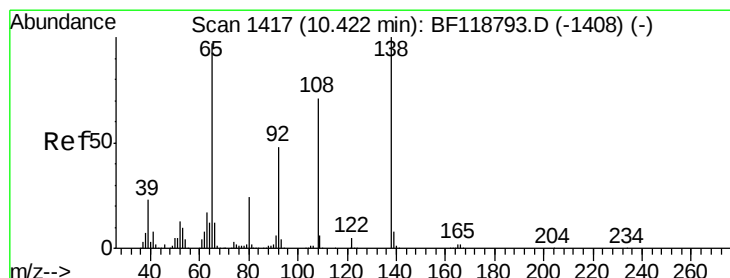
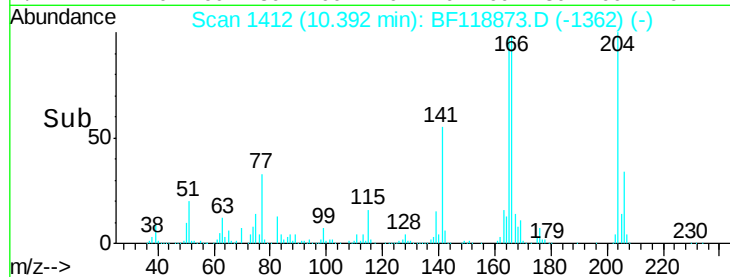
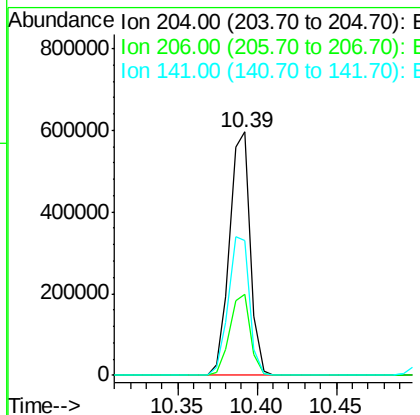
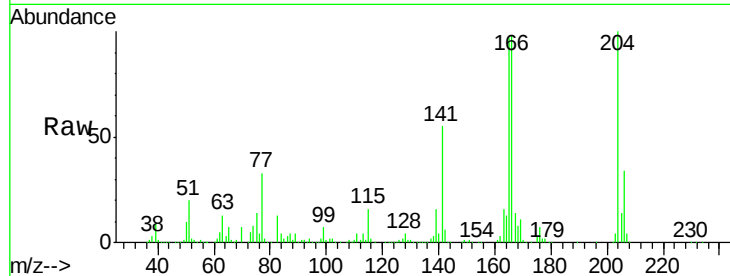
#61
 4-Chlorophenyl-phenylether
 Concen: 41.953 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampled :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.4	41.2
141	55.3	47.8	71.6

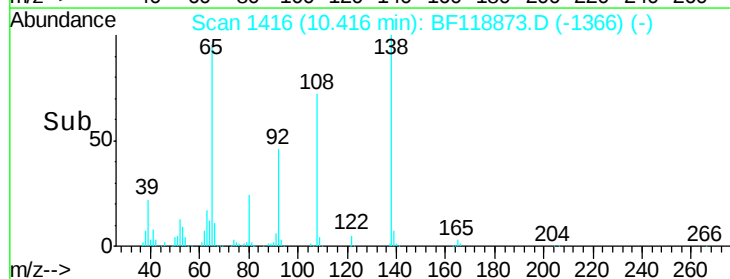
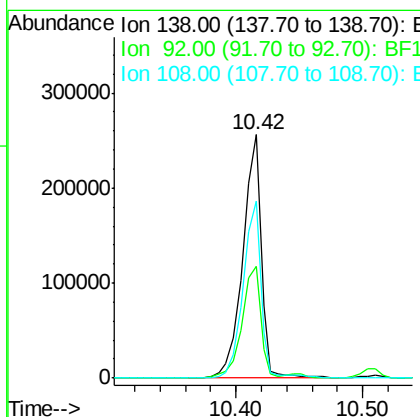
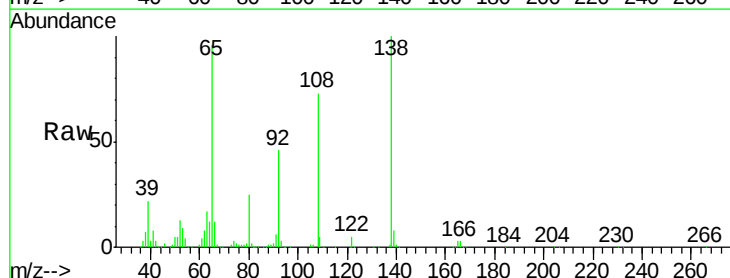
Manual Integrations
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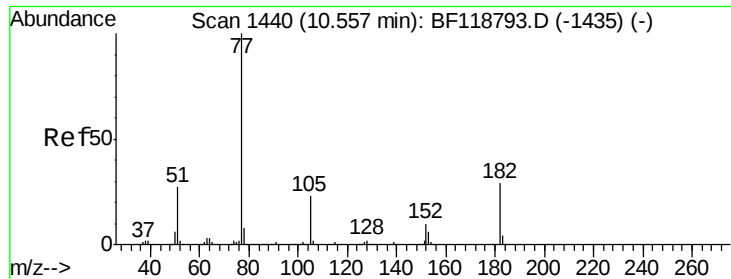
mohammad
 2/13/2020 10:28:41 AM



#62
 4-Nitroaniline
 Concen: 37.403 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.1	27.6	67.6
108	72.8	51.3	91.3





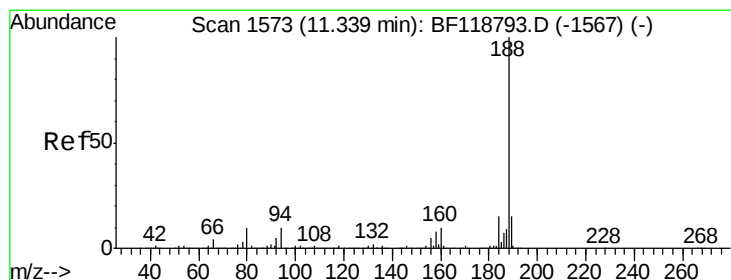
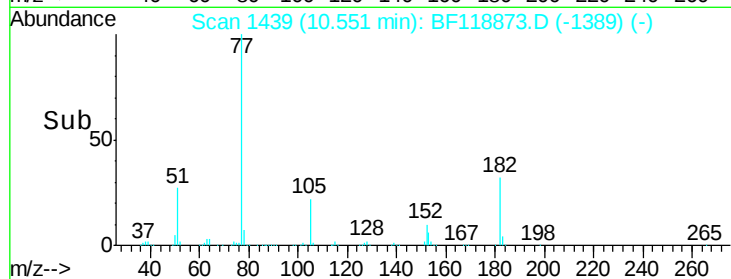
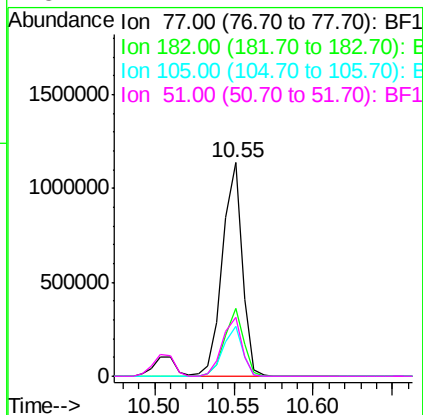
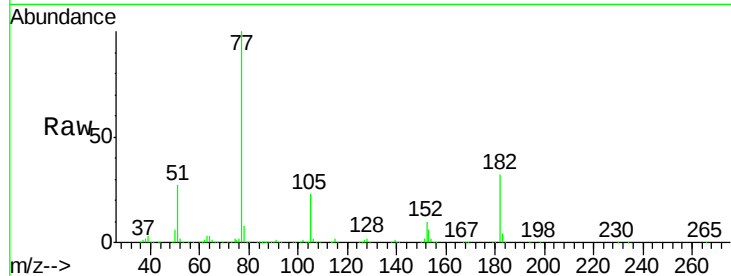
#63
Azobenzene
Concen: 43.550 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		984047		
182	31.6	9.2	49.2		
105	23.1	3.1	43.1		
51	27.4	7.4	47.4		

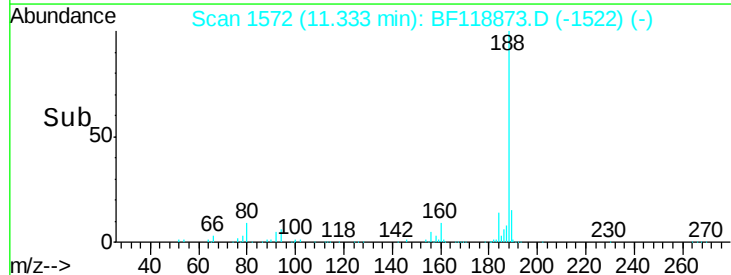
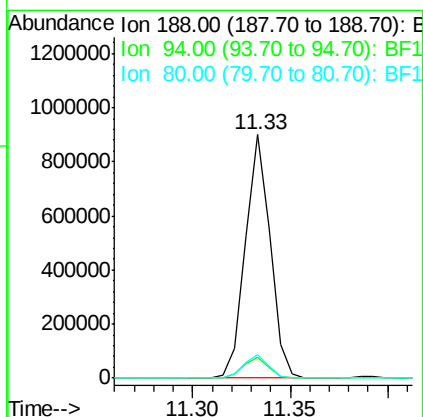
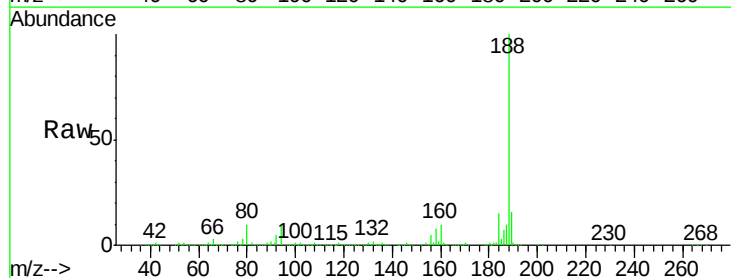
Manual Integrations
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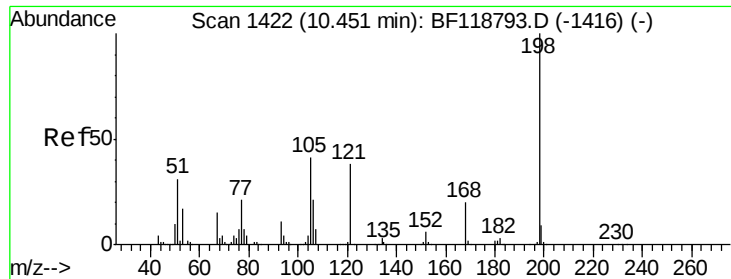
mohammad
2/13/2020 10:28:41 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		797064		
94	8.8	7.9	11.9		
80	9.8	8.4	12.6		





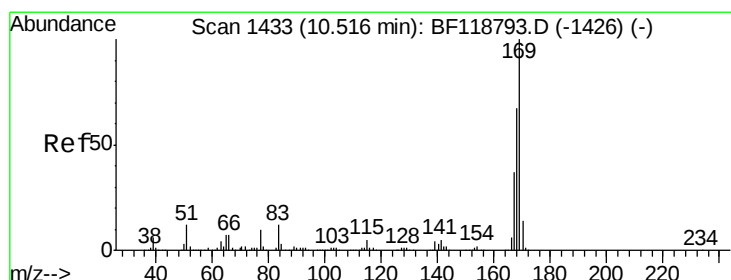
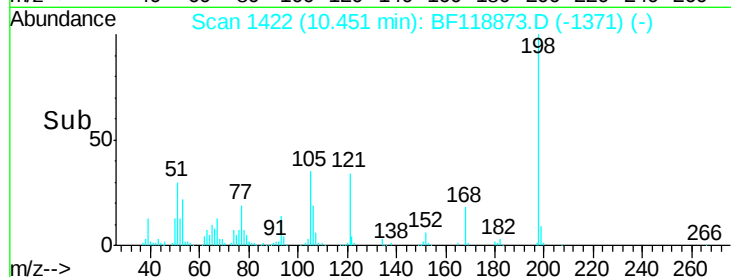
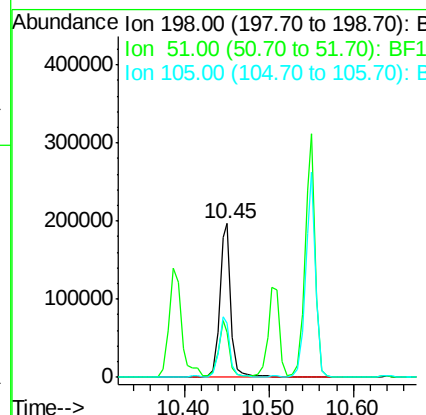
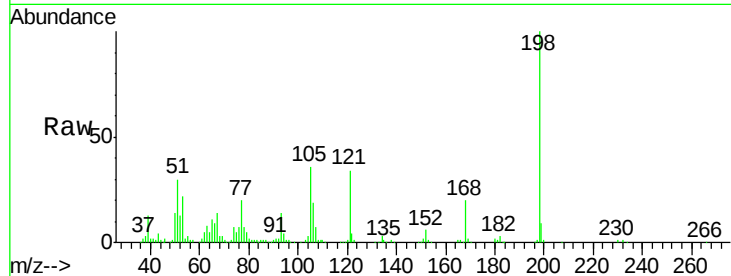
#65
4,6-Dinitro-2-methylphenol
Concen: 42.173 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	188886		
51	29.6	16.7	56.7	
105	35.5	22.0	62.0	

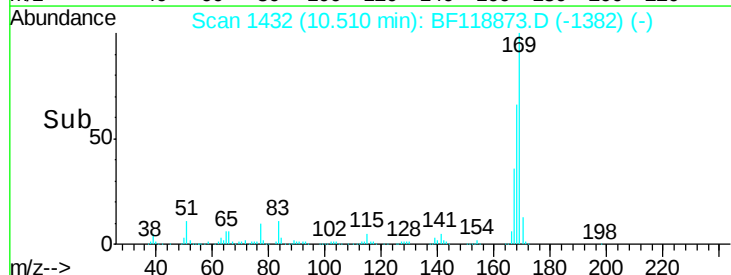
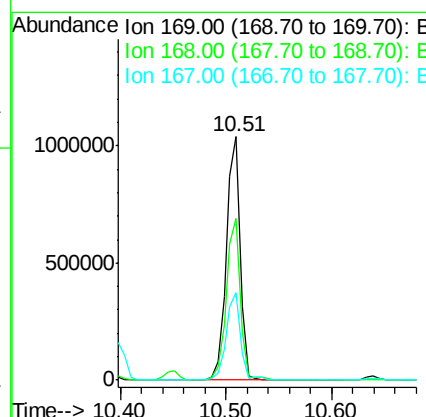
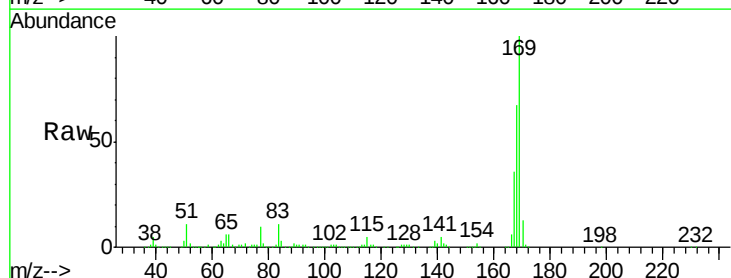
Manual Integrations
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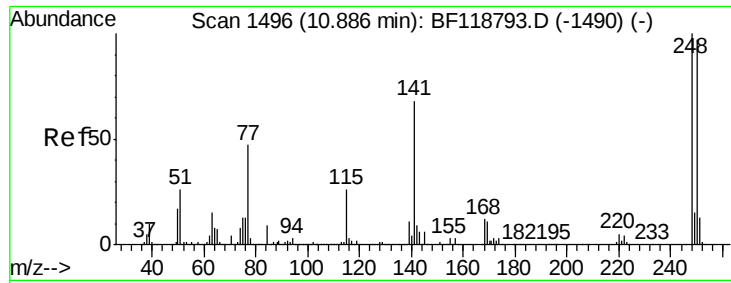
mohammad
2/13/2020 10:28:41 AM



#66
n-Nitrosodiphenylamine
Concen: 41.349 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	954652		
168	66.6	53.5	80.3	
167	35.7	29.3	43.9	





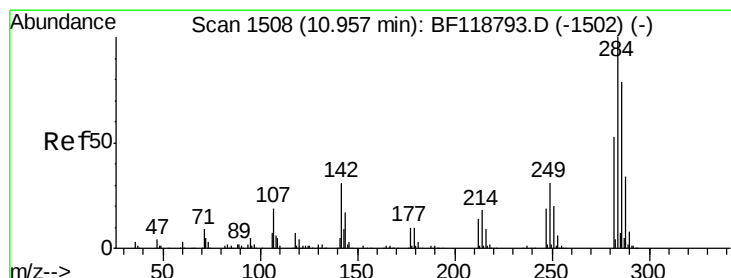
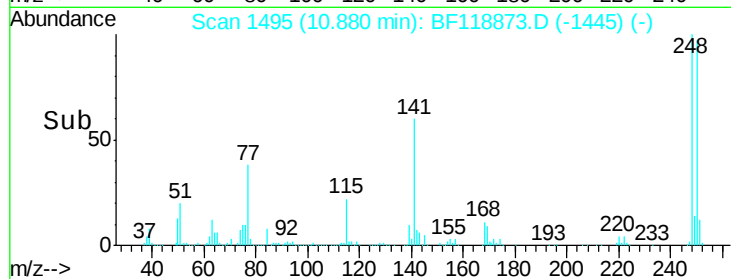
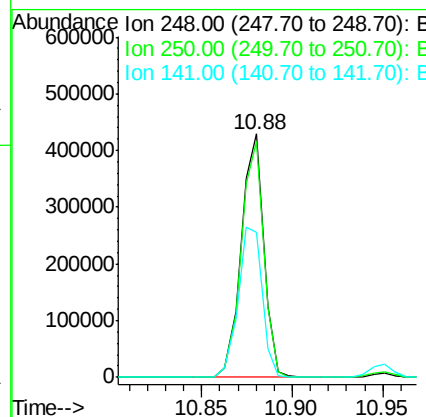
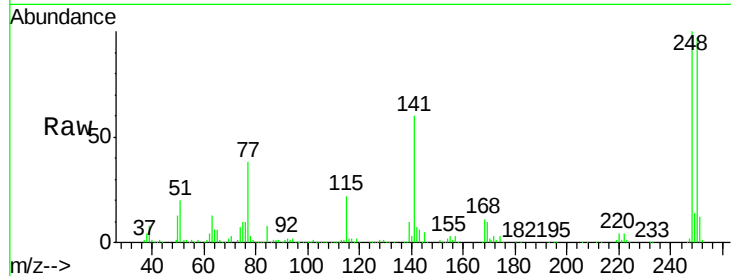
#67
4-Bromophenyl-phenylether
Concen: 39.404 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.6	116.4
141	59.6	54.4	81.6

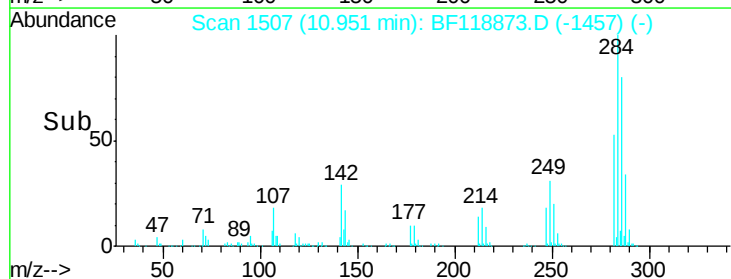
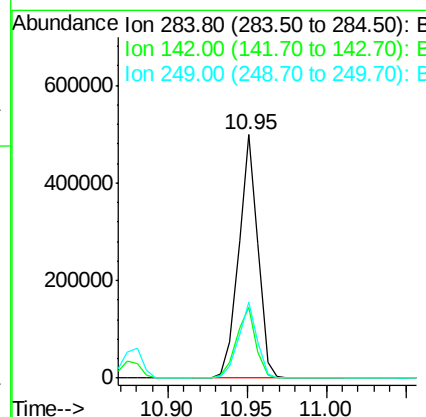
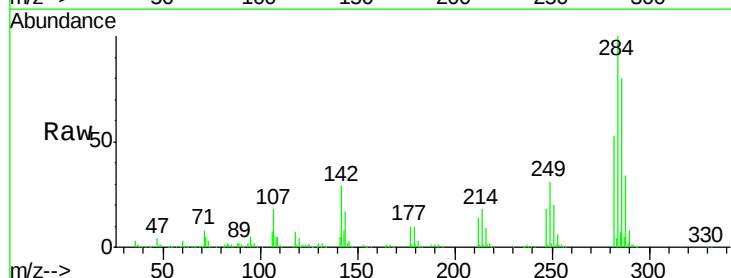
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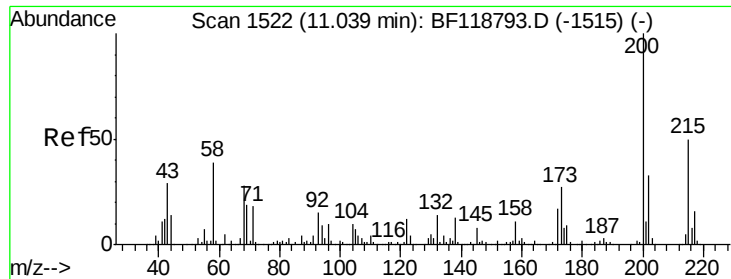
mohammad
2/13/2020 10:28:41 AM



#68
Hexachlorobenzene
Concen: 38.464 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.8	24.5	36.7
249	30.9	24.7	37.1





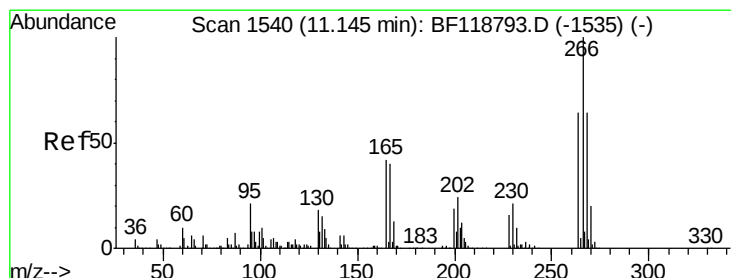
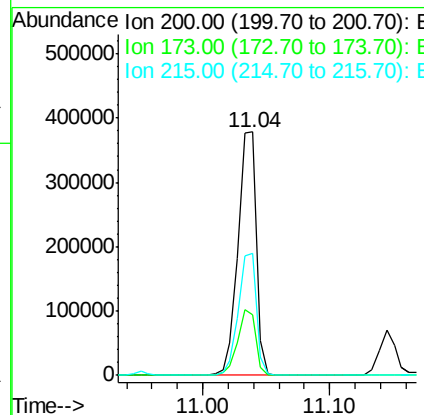
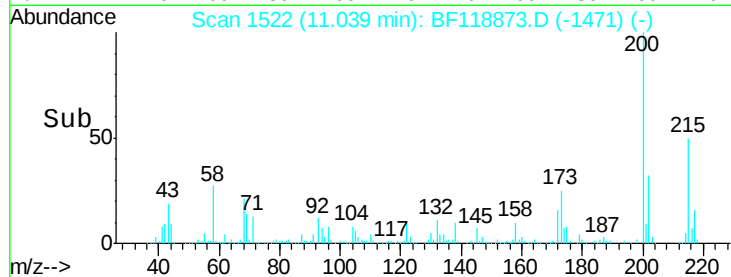
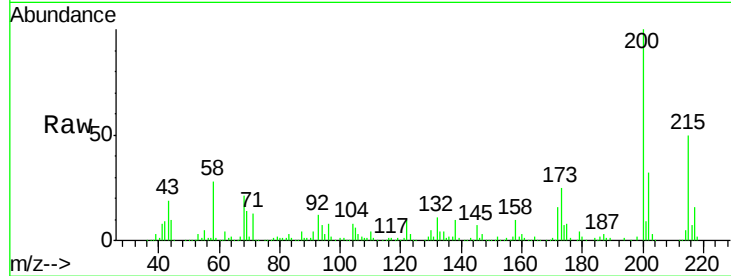
#69
 Atrazine
 Concen: 48.637 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.1	7.5	47.5
215	50.2	29.9	69.9

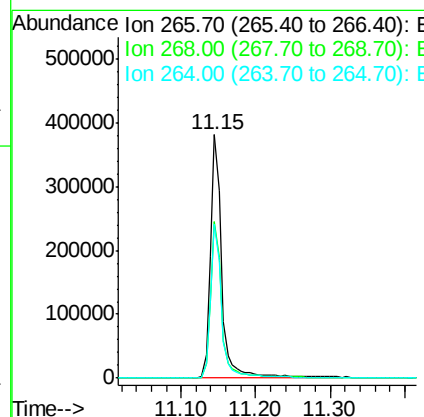
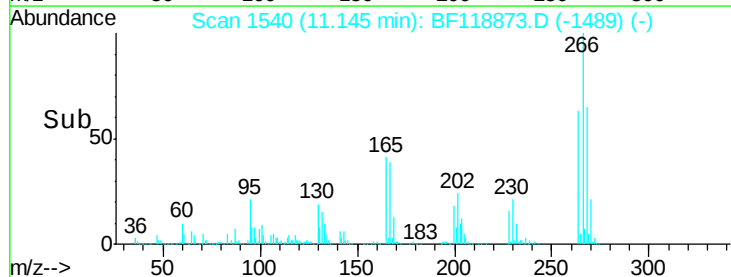
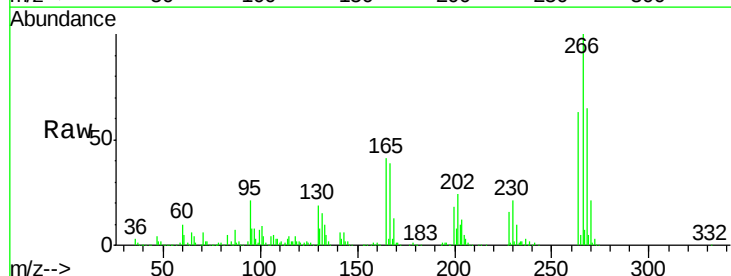
Manual Integrations
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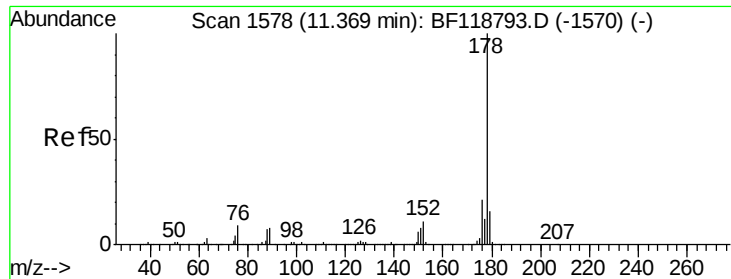
mohammad
 2/13/2020 10:28:41 AM



#70
 Pentachlorophenol
 Concen: 71.706 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.0	76.6
264	63.2	51.4	77.2





#71

Phenanthrene

Concen: 41.905 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

Tot Ion:178 Resp: 1643383

Ion Ratio Lower Upper

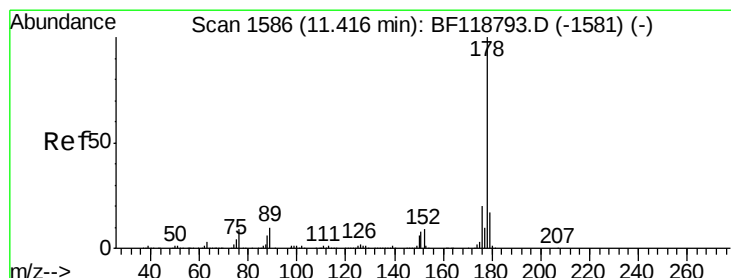
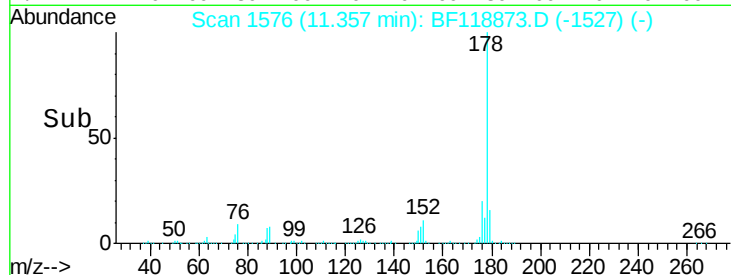
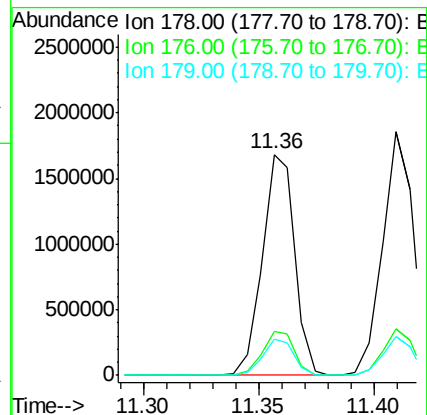
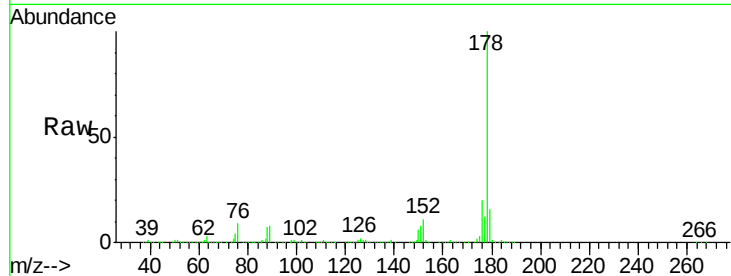
178 100

176 19.9 16.6 24.8

179 16.1 13.2 19.8

Manual Integrations
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mohammad
2/13/2020 10:28:41 AM



#72

Anthracene

Concen: 43.659 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

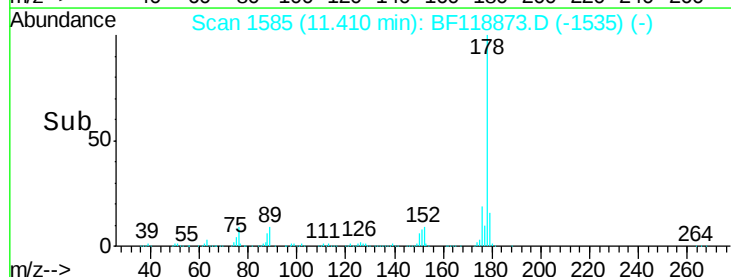
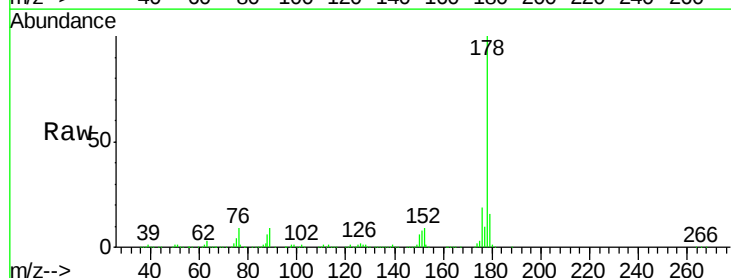
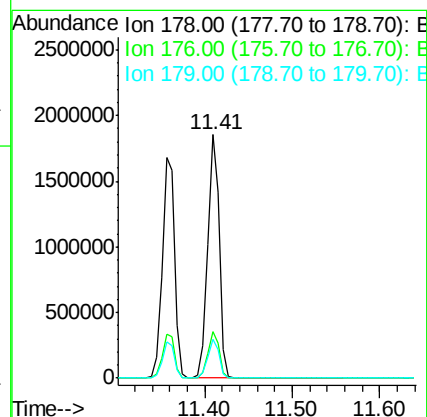
Tgt Ion:178 Resp: 1703302

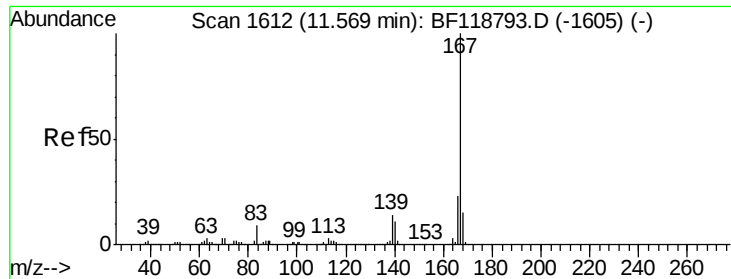
Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

179 16.2 13.4 20.2





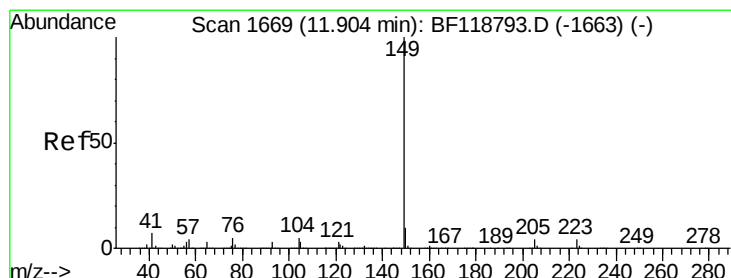
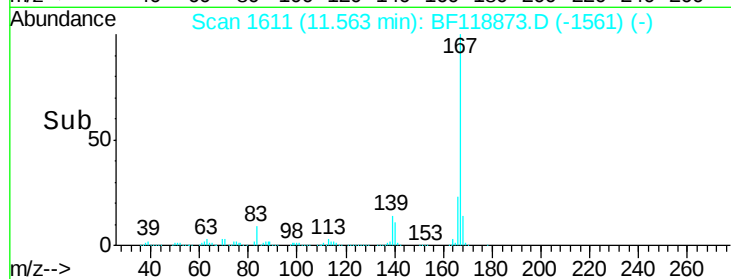
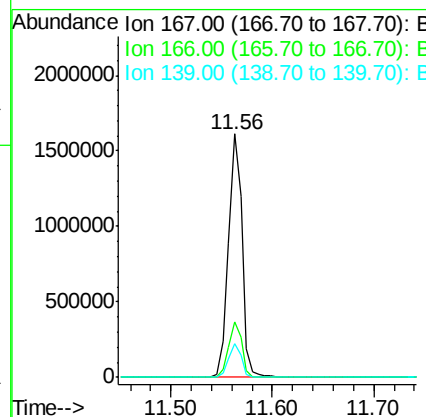
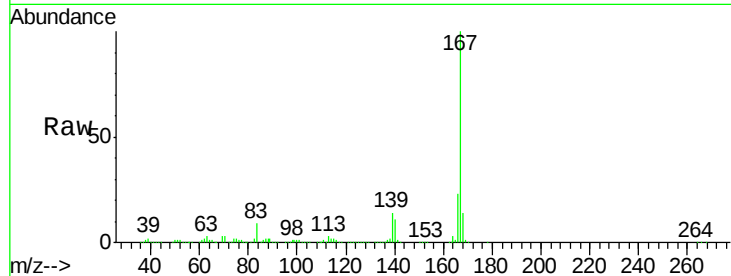
#73
 Carbazole
 Concen: 43.825 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.4	27.6
139	13.6	11.1	16.7

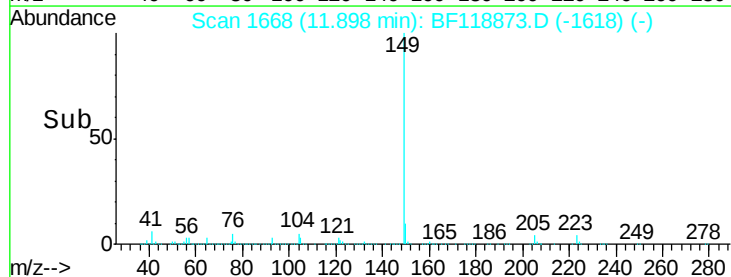
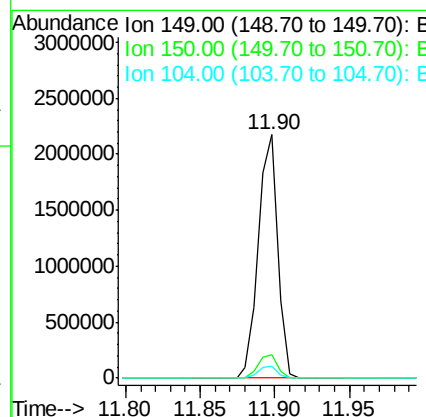
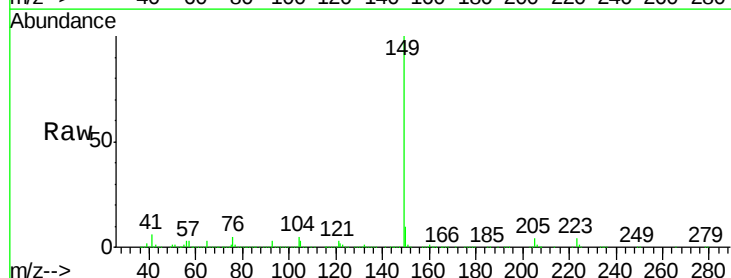
Manual Integrations
 APPROVED

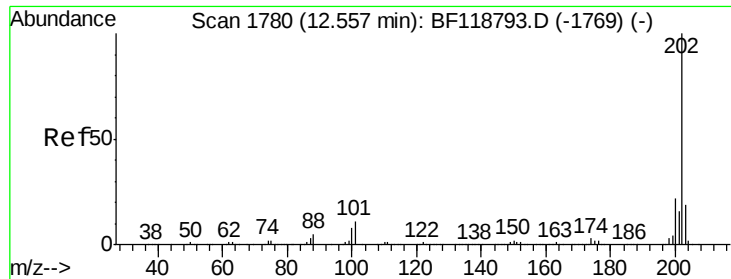
mohammad
 2/13/2020 10:28:41 AM



#74
 Di-n-butylphthalate
 Concen: 44.358 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.1	12.1
104	5.0	4.3	6.5





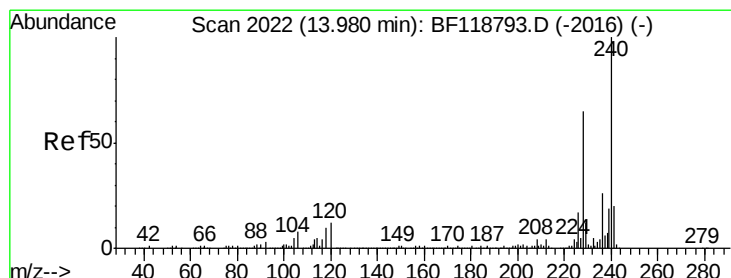
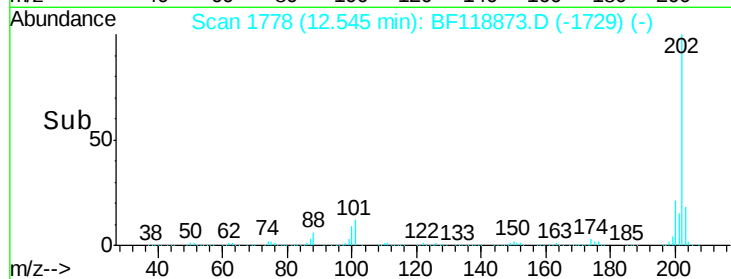
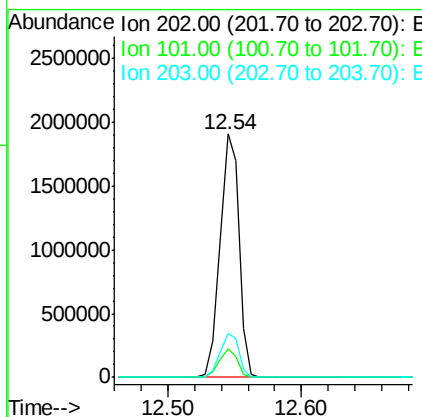
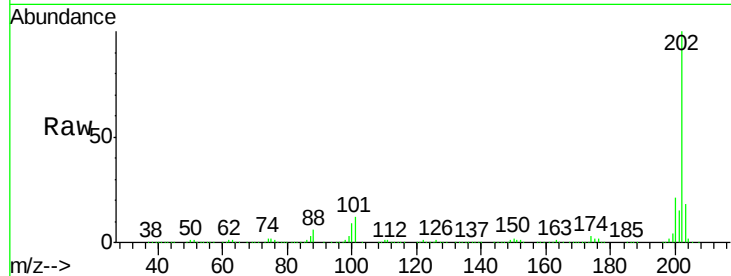
#75
 Fluoranthene
 Concen: 44.983 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleID :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.0
203	18.3	0.0	38.7

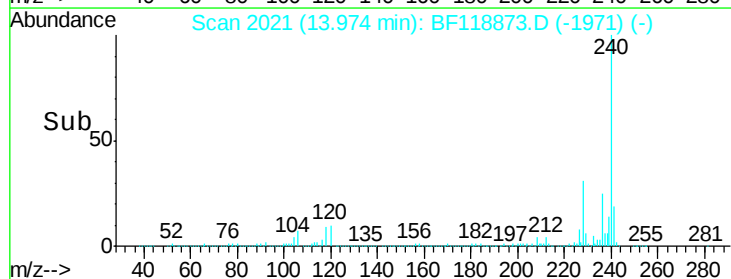
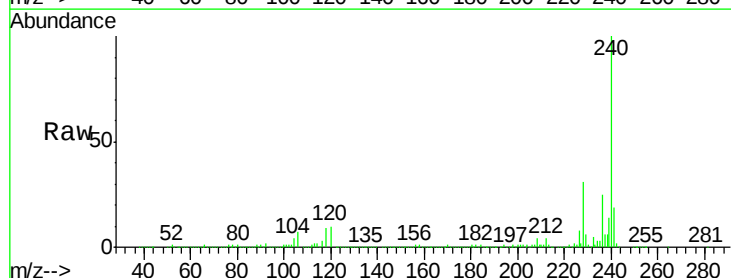
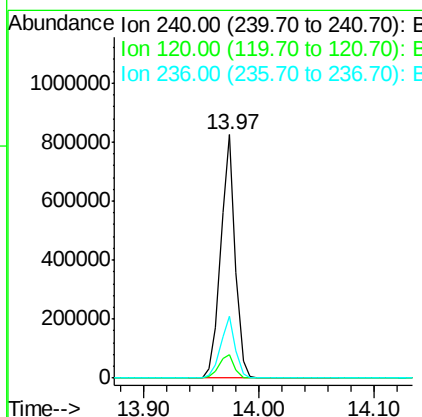
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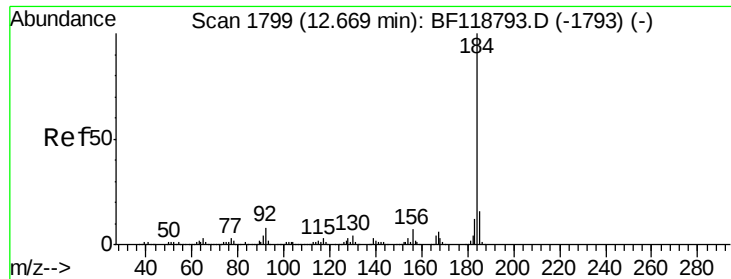
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.4	14.0
236	25.3	21.0	31.6





#77

Benzidine

Concen: 39.226 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

Tot Ion:184 Resp: 846833

Ion Ratio Lower Upper

184 100

185 14.4 12.5 18.7

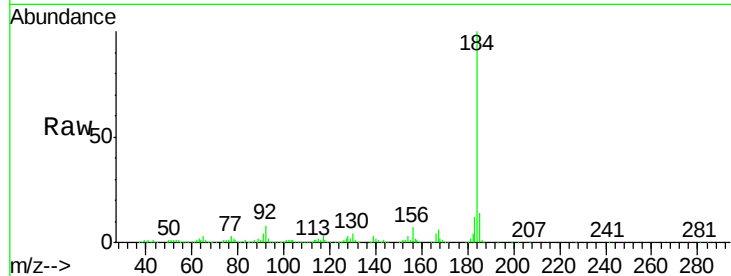
183 12.4 9.7 14.5

Manual Integrations

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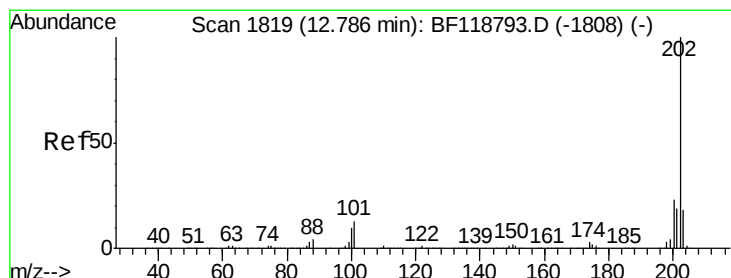
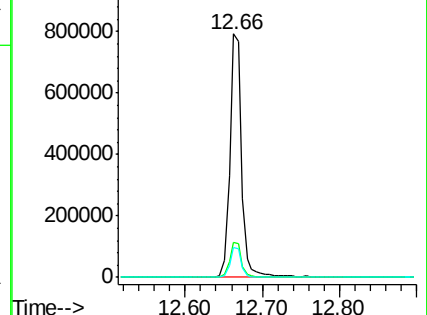
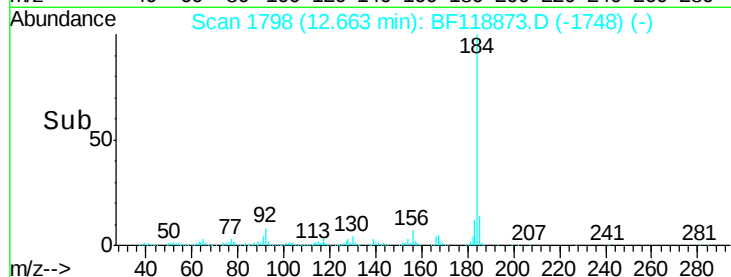
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 39.241 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

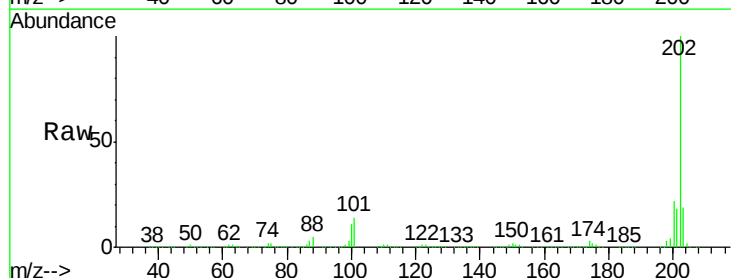
Tgt Ion:202 Resp: 1921516

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

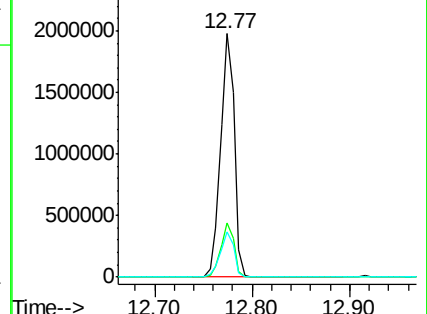
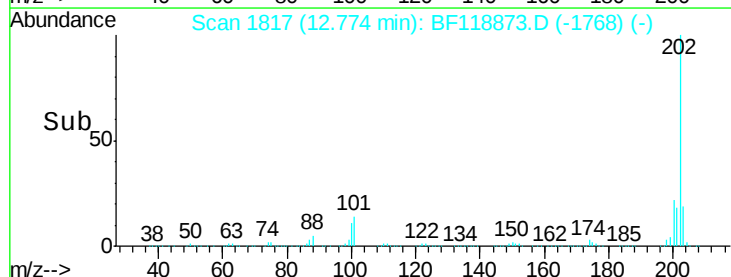
203 18.5 14.8 22.2

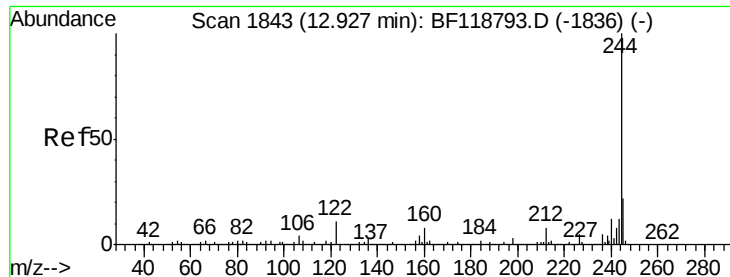


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.318 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

Tot Ion:244 Resp: 2547809

Ion Ratio Lower Upper

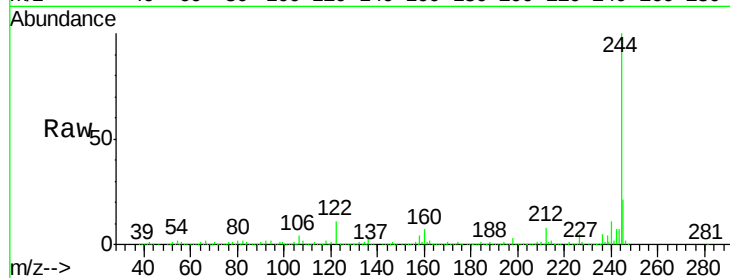
244 100

212 7.7 6.5 9.7

122 10.9 8.9 13.3

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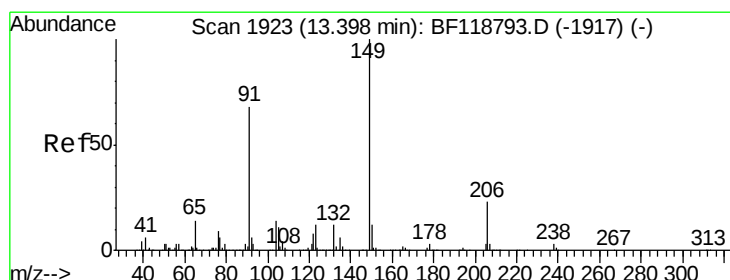
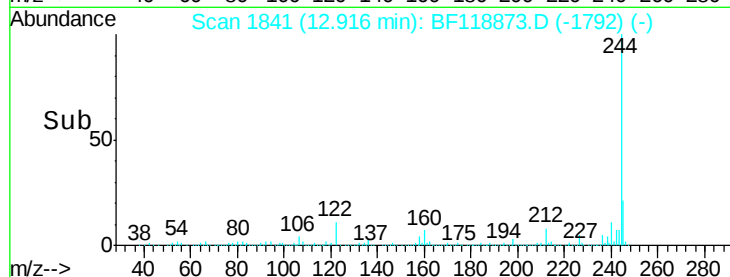
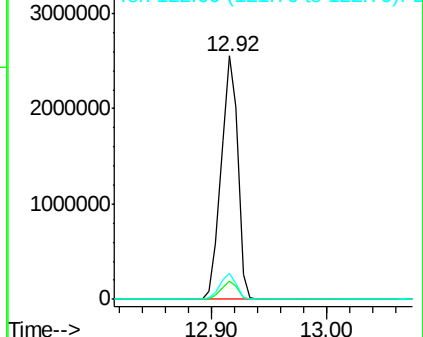
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.613 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

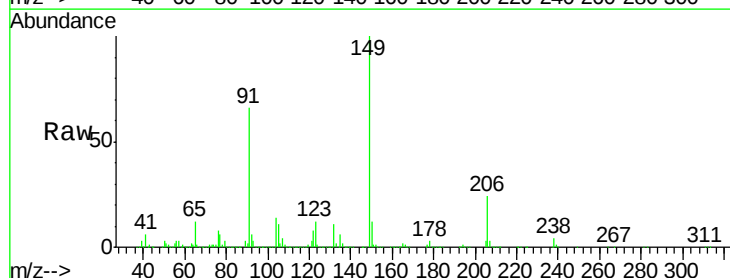
Tgt Ion:149 Resp: 930061

Ion Ratio Lower Upper

149 100

91 66.0 54.7 82.1

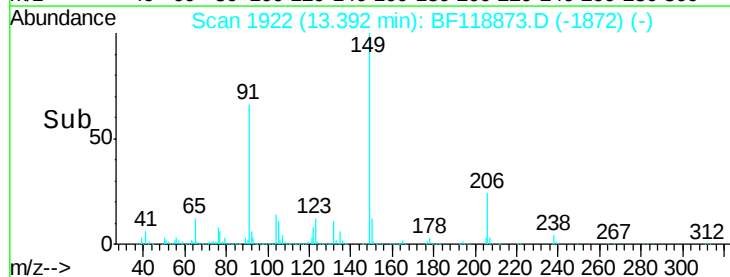
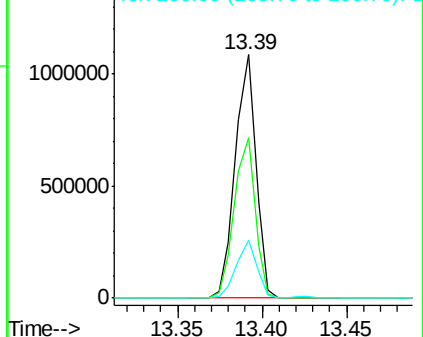
206 23.6 18.5 27.7

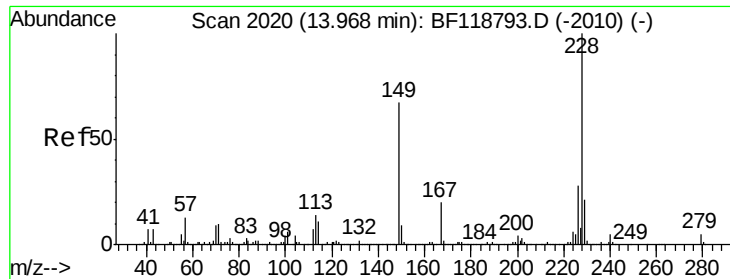


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





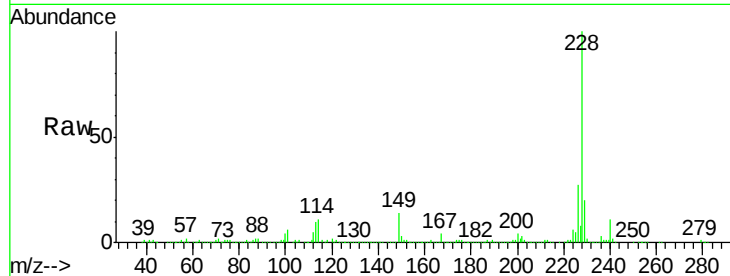
#81
Benzo(a)anthracene
Concen: 39.291 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

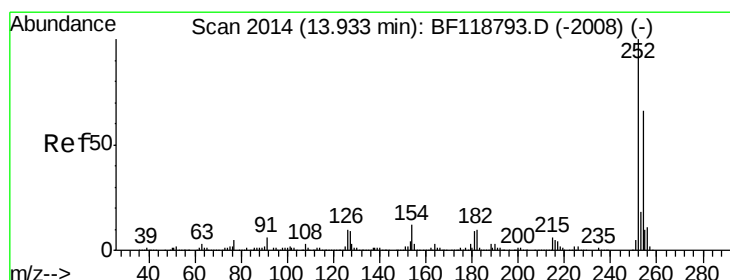
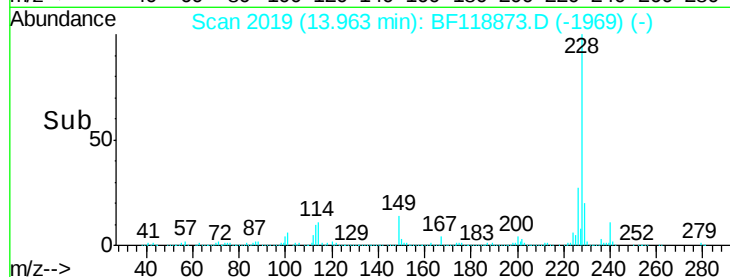
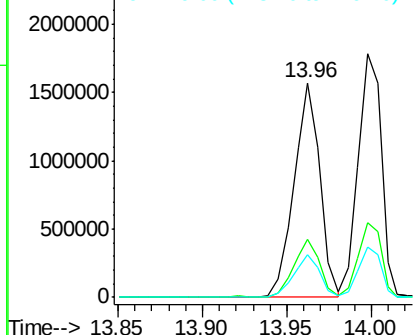
Tot Ion:228 Resp: 1668856
Ion Ratio Lower Upper
228 100
226 27.3 22.7 34.1
229 20.1 16.6 25.0

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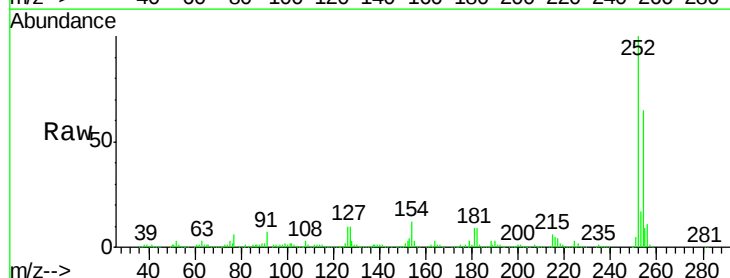


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

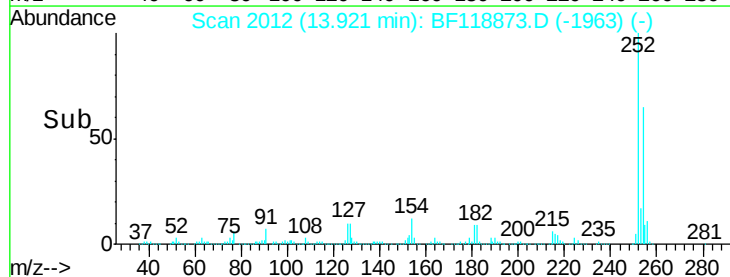
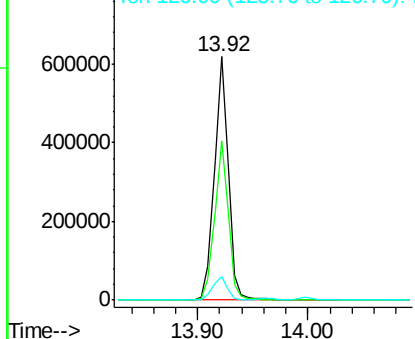


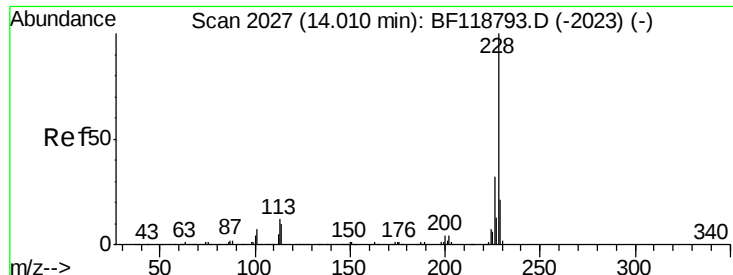
#82
3,3'-Dichlorobenzidine
Concen: 31.056 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:252 Resp: 539509
Ion Ratio Lower Upper
252 100
254 65.4 52.4 78.6
126 9.7 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





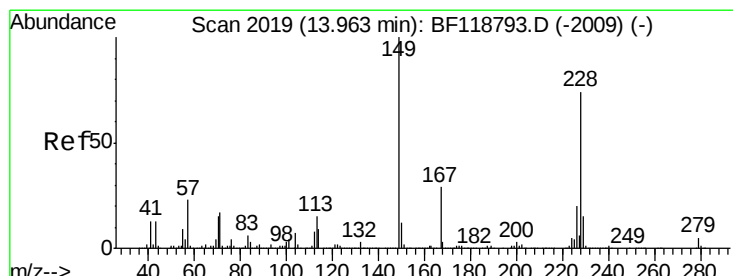
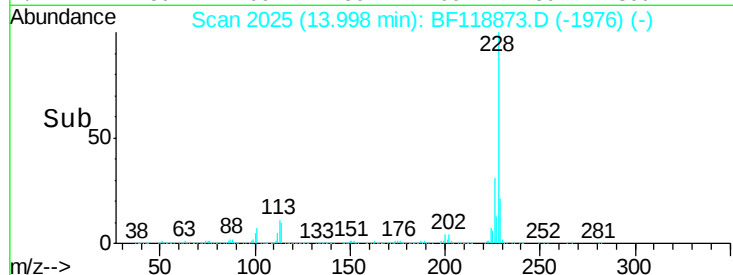
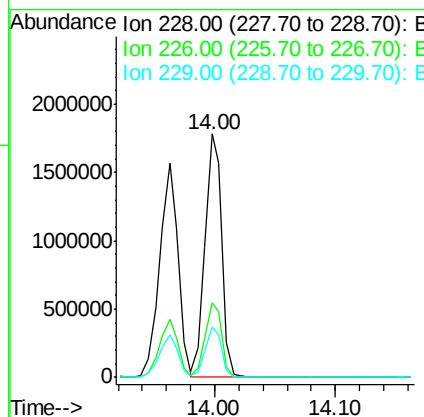
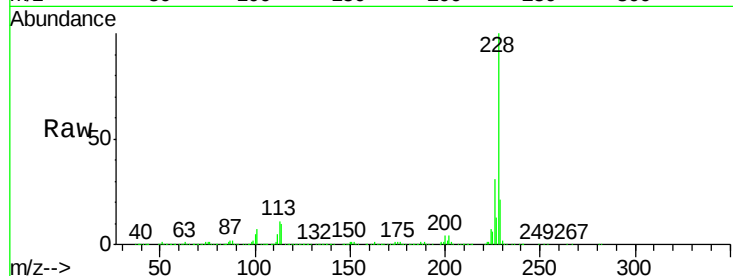
#83
 Chrvsene
 Concen: 40.004 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion:228 Resp: 1705337
 Ion Ratio Lower Upper
 228 100
 226 30.8 25.4 38.0
 229 20.7 16.9 25.3

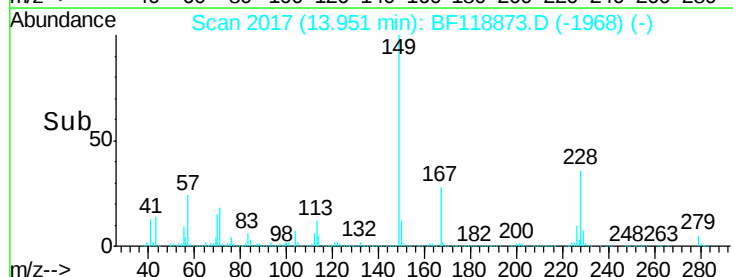
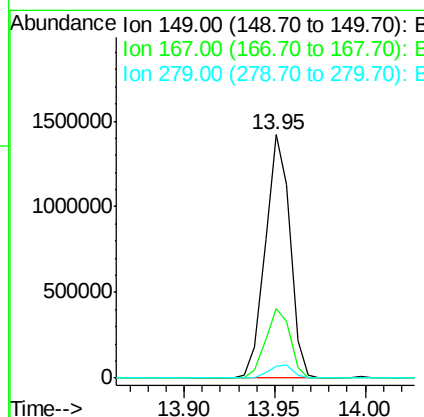
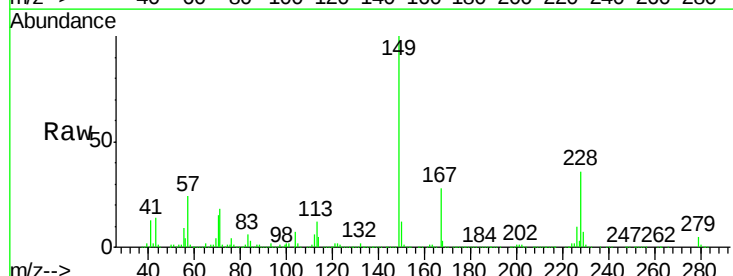
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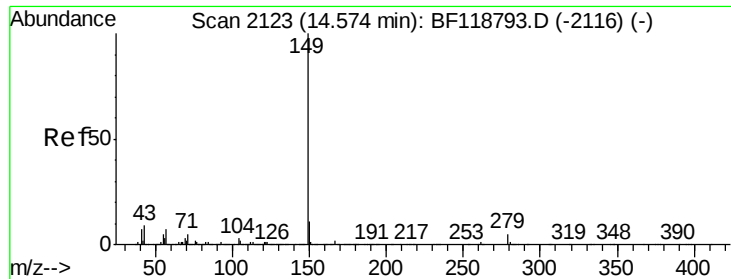
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.424 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:149 Resp: 1344734
 Ion Ratio Lower Upper
 149 100
 167 28.5 23.0 34.6
 279 4.9 4.4 6.6





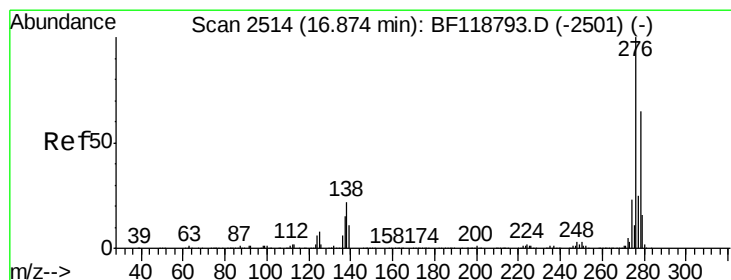
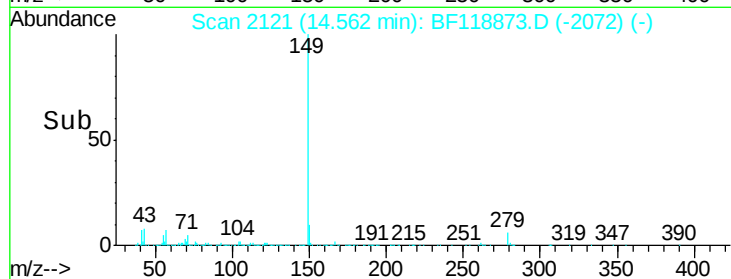
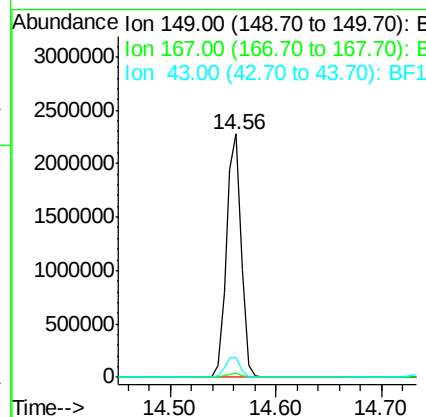
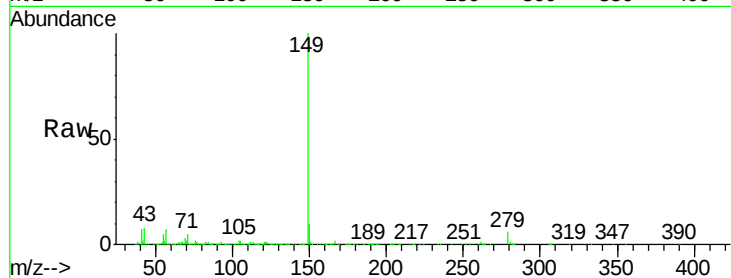
#85
Di-n-octyl phthalate
Concen: 45.821 ng
RT: 14.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	8.3	6.6	10.0

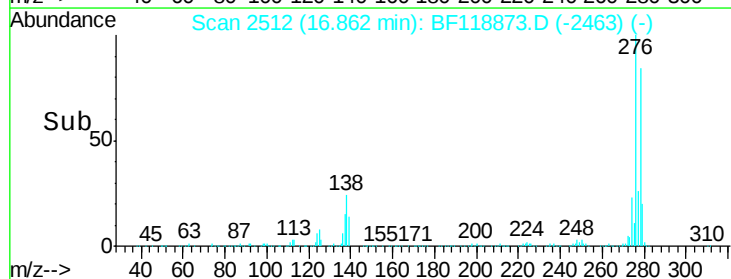
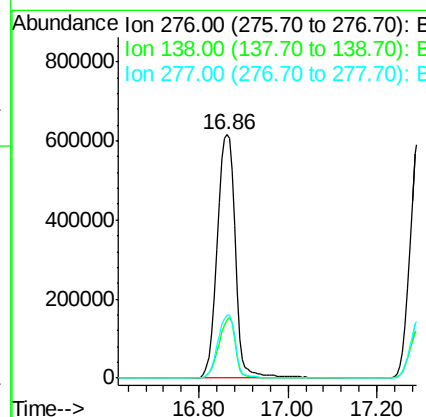
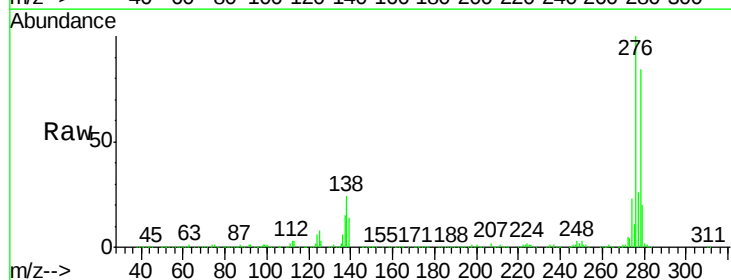
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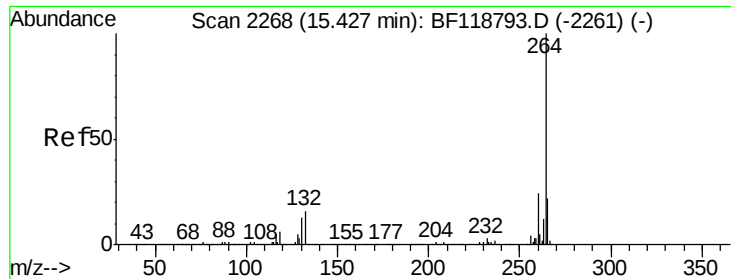
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#86
Indeno(1,2,3-cd)pyrene
Concen: 41.683 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.3	27.5
277	25.6	20.2	30.4





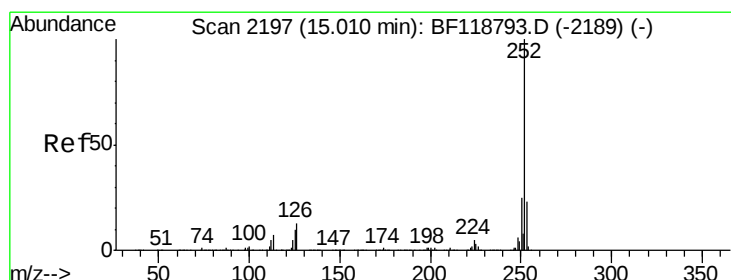
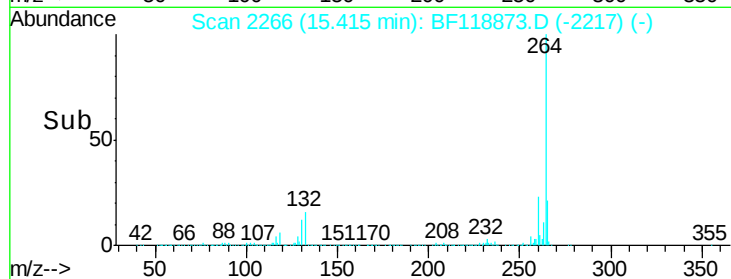
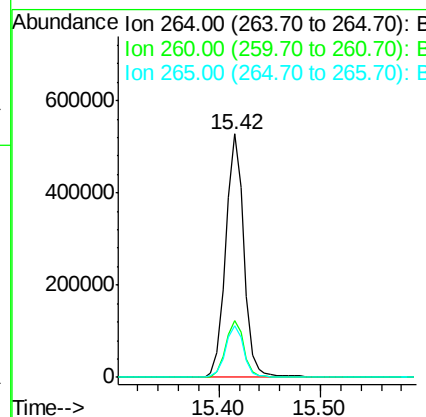
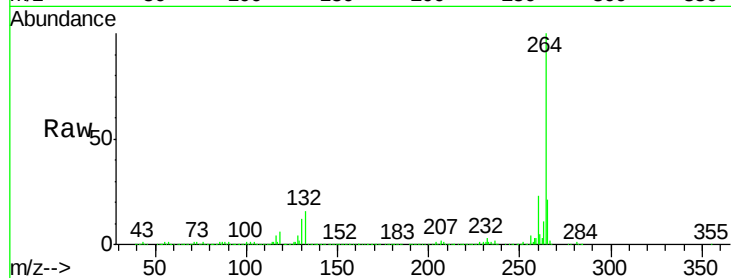
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.2	17.2	25.8

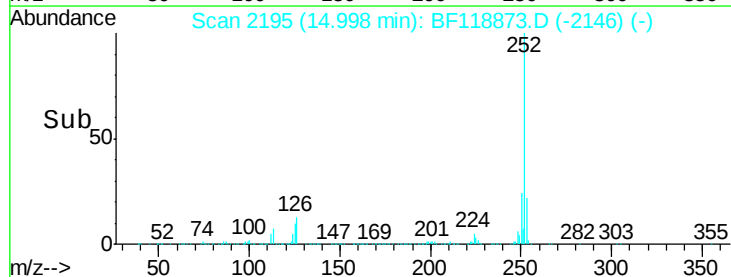
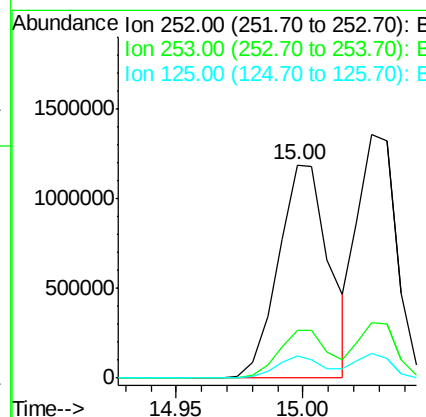
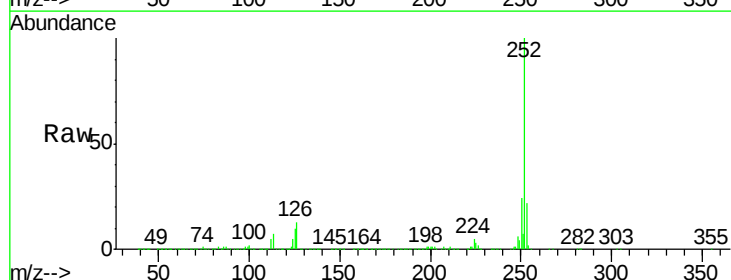
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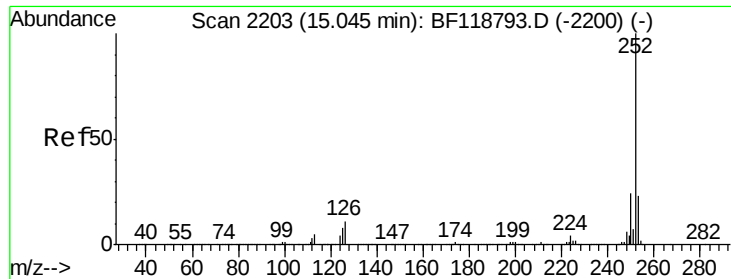
mohammad
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#88
Benzo(b)fluoranthene
Concen: 40.747 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	10.1	8.1	12.1





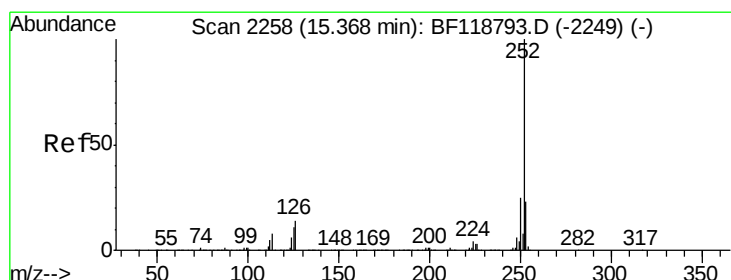
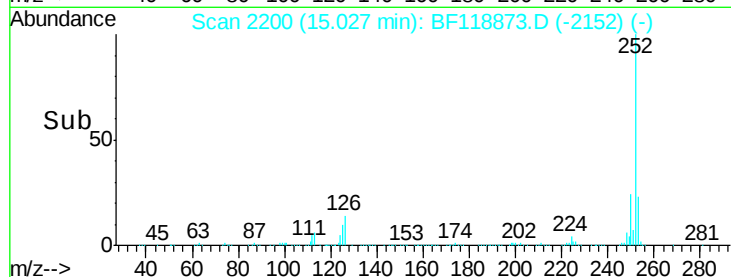
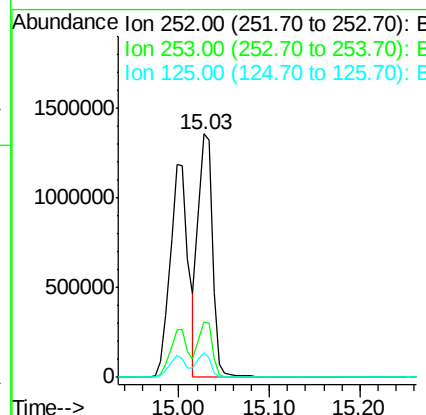
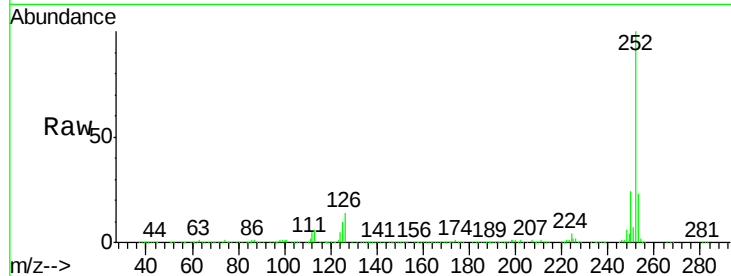
#89
Benzo(k)fluoranthene
Concen: 41.627 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	9.9	7.0	10.6

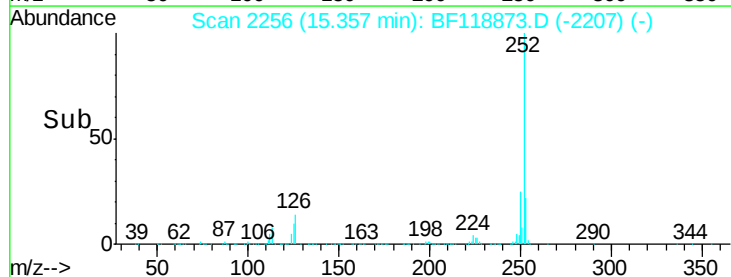
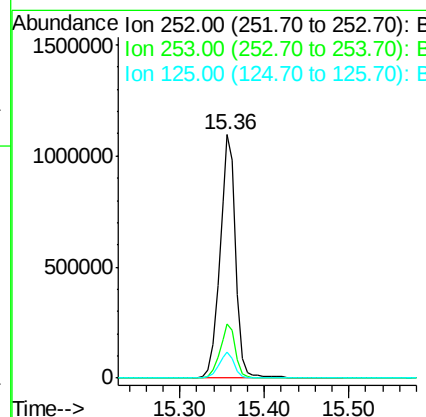
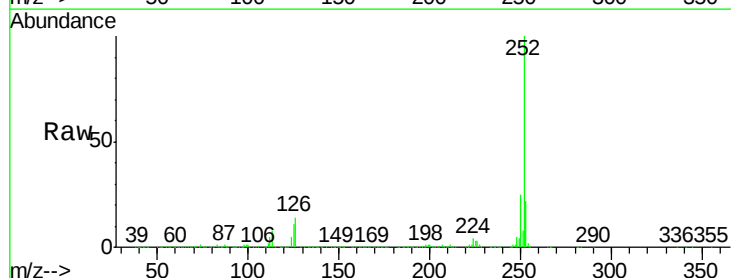
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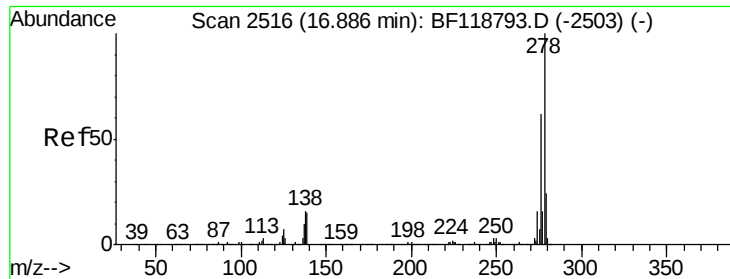
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#90
Benzo(a)pyrene
Concen: 40.955 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	10.6	8.7	13.1





#91
Dibenzo(a,h)anthracene
Concen: 48.682 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

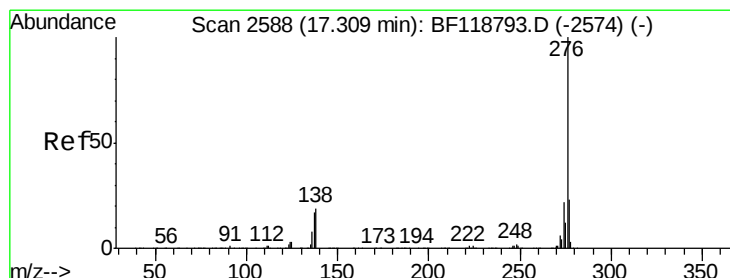
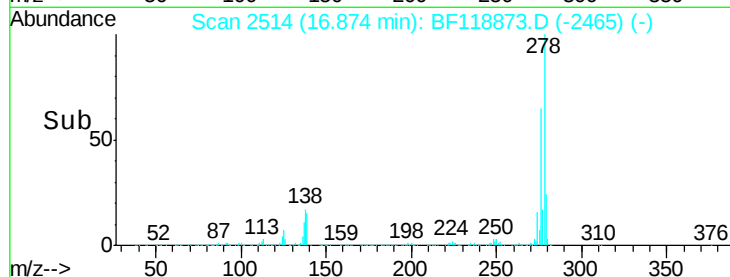
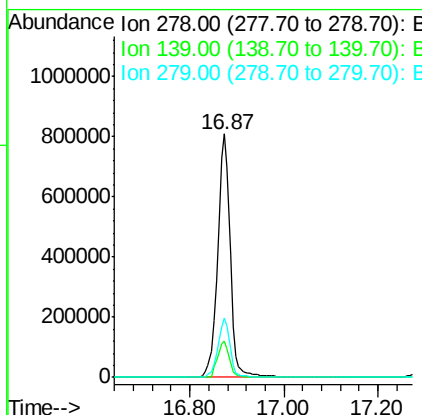
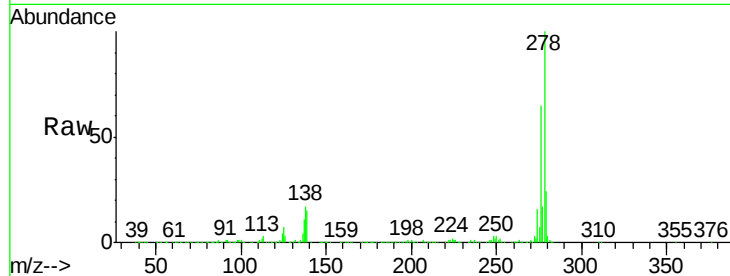
Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:278 Resp: 1509873

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.3	18.5
279	24.2	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:41 AM



#92
Benzo(g,h,i)perylene
Concen: 49.086 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:276 Resp: 1464110

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	19.4	15.4	23.2

