

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
 Data File : BF119914.D
 Acq On : 13 Apr 2020 14:16
 Operator : MA/SJ
 Sample : PB128139BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Manual Integrations
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mohammad
 4/14/2020 3:38:23 PM

Quant Time: Apr 13 14:48:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 13:37:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	221954	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	852112	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	457121	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	894196	20.00	ng	0.00
76) Chrysene-d12	13.92	240	665672	20.00	ng	0.00
87) Perylene-d12	15.34	264	708624	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1501022	116.87	ng	0.02
7) Phenol-d6	6.38	99	1922696	116.18	ng	0.00
23) Nitrobenzene-d5	7.31	82	1199568	72.83	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	596260	106.54	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	2307615	71.67	ng	0.00
79) Terphenyl-d14	12.86	244	2688934	67.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	190789	33.353	ng	97
3) Pyridine	3.19	79	530124	33.777	ng	98
4) n-Nitrosodimethylamine	3.15	42	300853	37.518	ng	94
6) Aniline	6.40	93	733077	33.750	ng	# 83
8) 2-Chlorophenol	6.52	128	606435	42.260	ng	97
9) Benzaldehyde	6.28	77	279827	27.375	ng	98
10) Phenol	6.39	94	755994	40.266	ng	92
11) bis(2-Chloroethyl)ether	6.47	93	556847	38.413	ng	96
12) 1,3-Dichlorobenzene	6.68	146	602283	38.337	ng	98
13) 1,4-Dichlorobenzene	6.76	146	607700	37.973	ng	98
14) 1,2-Dichlorobenzene	6.91	146	567381	38.470	ng	98
15) Benzyl Alcohol	6.89	79	500553	38.942	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.02	45	1028047	36.444	ng	99
17) 2-Methylphenol	7.00	107	487007	38.029	ng	99
18) Hexachloroethane	7.25	117	233695	39.074	ng	95
19) n-Nitroso-di-n-propylamine	7.16	70	412478	38.760	ng	98
20) 3+4-Methylphenols	7.15	107	600296	38.327	ng	95
22) Acetophenone	7.15	105	786339	39.408	ng	# 97
24) Nitrobenzene	7.33	77	620114	37.425	ng	95
25) Isophorone	7.57	82	1170318	36.859	ng	99
26) 2-Nitrophenol	7.64	139	333974	40.344	ng	97
27) 2,4-Dimethylphenol	7.68	122	518631	41.541	ng	99
28) bis(2-Chloroethoxy)methane	7.78	93	729835	39.062	ng	100
29) 2,4-Dichlorophenol	7.89	162	510032	39.855	ng	99
30) 1,2,4-Trichlorobenzene	7.97	180	540426	37.270	ng	99
31) Naphthalene	8.05	128	1715077	38.256	ng	100
32) Benzoic acid	7.82	122	423256	38.601	ng	96
33) 4-Chloroaniline	8.10	127	512253	26.246	ng	97
34) Hexachlorobutadiene	8.17	225	307379	35.412	ng	98
35) Caprolactam	8.47	113	176891m	45.187	ng	
36) 4-Chloro-3-methylphenol	8.59	107	556248	40.147	ng	96
37) 2-Methylnaphthalene	8.74	142	1165801	38.355	ng	99
38) 1-Methylnaphthalene	8.84	142	1097289	38.302	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	504369	34.934	ng	99

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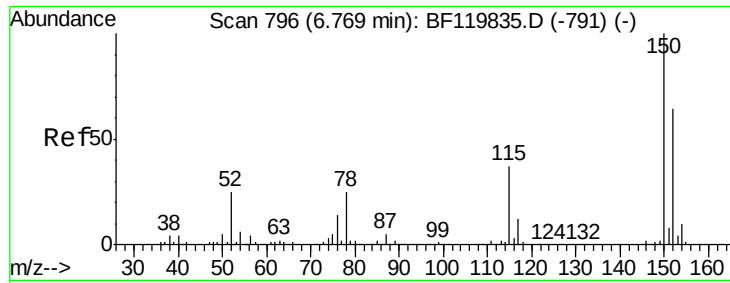
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.89	237	632032	76.984	nq	99
43) 2,4,6-Trichlorophenol	9.02	196	376934	37.807	nq	98
44) 2,4,5-Trichlorophenol	9.06	196	400130	35.633	nq	95
46) 1,1'-Biphenyl	9.20	154	1405953	36.439	nq	98
47) 2-Chloronaphthalene	9.23	162	1094176	36.813	nq	97
48) 2-Nitroaniline	9.33	65	403790	37.488	nq	99
49) Acenaphthylene	9.65	152	1727440	38.215	nq	99
50) Dimethylphthalate	9.52	163	1314970	37.191	nq	100
51) 2,6-Dinitrotoluene	9.57	165	298576	38.562	nq #	83
52) Acenaphthene	9.82	154	1046293	34.699	nq	99
53) 3-Nitroaniline	9.74	138	243526	27.539	nq	96
54) 2,4-Dinitrophenol	9.85	184	376066	81.126	nq	97
55) Dibenzofuran	9.99	168	1556441	37.615	nq	99
56) 4-Nitrophenol	9.92	139	530561	80.637	nq #	83
57) 2,4-Dinitrotoluene	9.98	165	396798	38.897	nq	97
58) Fluorene	10.33	166	1204012	36.384	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.11	232	338984	39.471	nq	100
60) Diethylphthalate	10.22	149	1353178	36.926	nq	99
61) 4-Chlorophenyl-phenylether	10.33	204	577851	34.070	nq	99
62) 4-Nitroaniline	10.36	138	335172	39.772	nq	97
63) Azobenzene	10.49	77	1273325	38.772	nq	99
65) 4,6-Dinitro-2-methylphenol	10.39	198	238654	40.511	nq	86
66) n-Nitrosodiphenylamine	10.45	169	1125905	37.860	nq	99
67) 4-Bromophenyl-phenylether	10.82	248	386989	34.800	nq	98
68) Hexachlorobenzene	10.88	284	421740	37.385	nq	100
69) Atrazine	10.98	200	341899	41.321	nq	97
70) Pentachlorophenol	11.08	266	473661	72.860	nq	99
71) Phenanthrene	11.30	178	1780201	37.407	nq	99
72) Anthracene	11.35	178	1829869	37.639	nq	100
73) Carbazole	11.50	167	1686363	36.680	nq	98
74) Di-n-butylphthalate	11.84	149	2135030	35.326	nq	100
75) Fluoranthene	12.49	202	1947644	37.930	nq	97
77) Benzidine	12.61	184	1304334	57.966	nq	97
78) Pyrene	12.71	202	2001527	35.667	nq	99
80) Butylbenzylphthalate	13.34	149	921345	33.835	nq	93
81) Benzo(a)anthracene	13.90	228	1605997	36.673	nq	100
82) 3,3'-Dichlorobenzidine	13.87	252	454890	27.839	nq #	96
83) Chrysene	13.94	228	1664926	37.417	nq	98
84) Bis(2-ethylhexyl)phthalate	13.90	149	1188576	32.233	nq	99
85) Di-n-octyl phthalate	14.51	149	2175107	34.643	nq	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	1708163	43.550	nq	98
88) Benzo(b)fluoranthene	14.93	252	1836110	36.019	nq	99
89) Benzo(k)fluoranthene	14.96	252	1595262	36.269	nq	99
90) Benzo(a)pyrene	15.28	252	1585519	36.992	nq	97
91) Dibenzo(a,h)anthracene	16.76	278	1422809	37.476	nq	98
92) Benzo(g,h,i)perylene	17.16	276	1373323	36.645	nq	97

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



#1

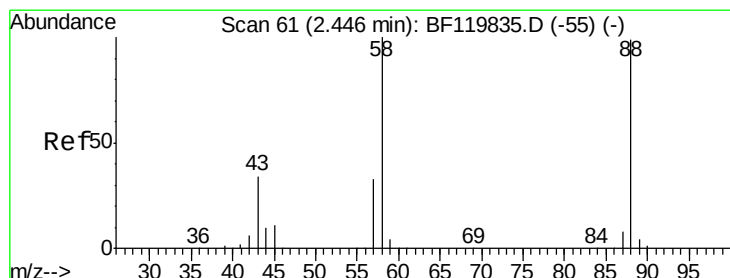
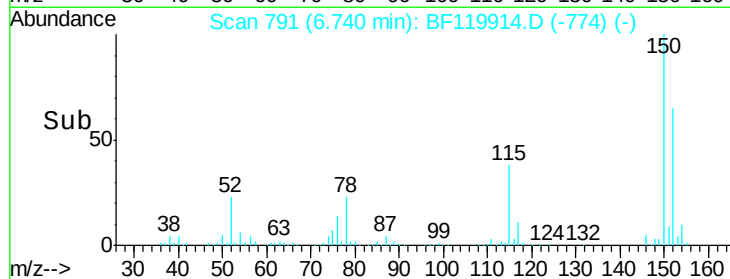
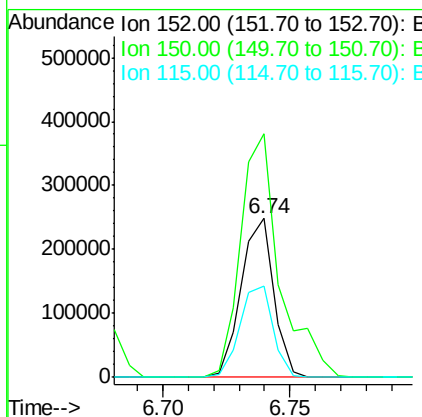
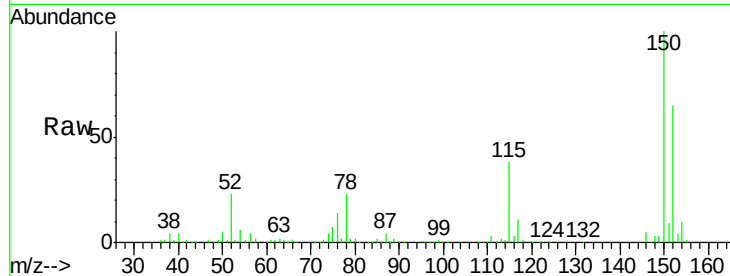
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.8	187.2
115	57.8	46.5	69.7

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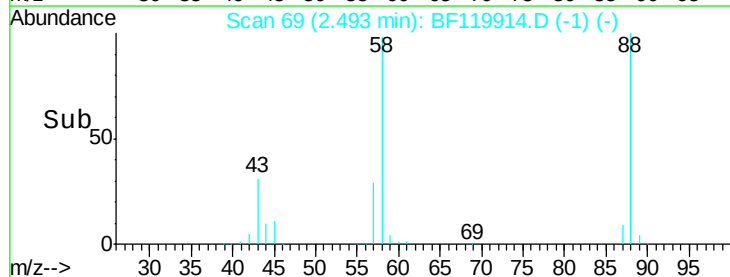
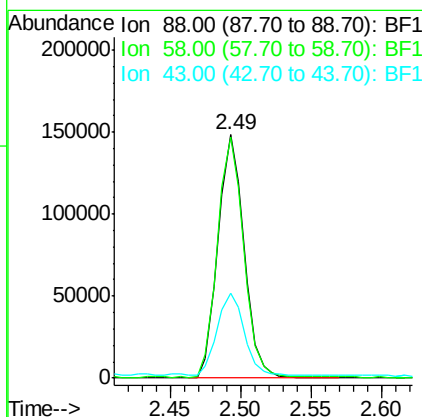
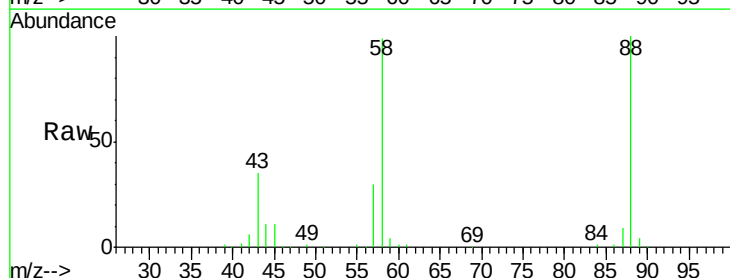
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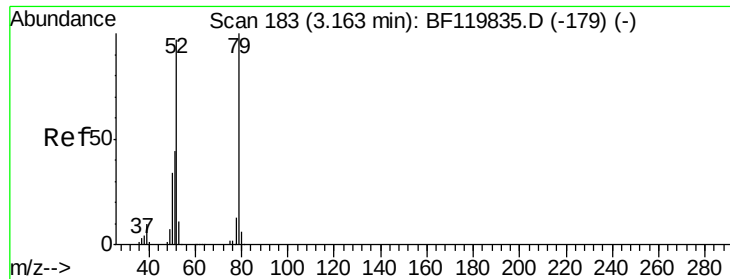


#2

1,4-Dioxane
Concen: 33.353 ng
RT: 2.49 min Scan# 69
Delta R.T. 0.11 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.7	82.6	123.8
43	35.2	28.6	42.8





#3

Pvridine

Concen: 33.777 ng

RT: 3.19 min Scan# 188

Delta R.T. 0.11 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

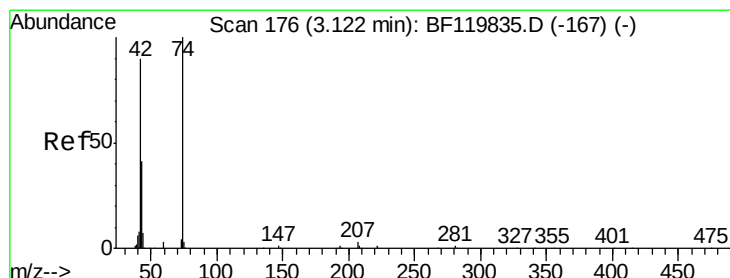
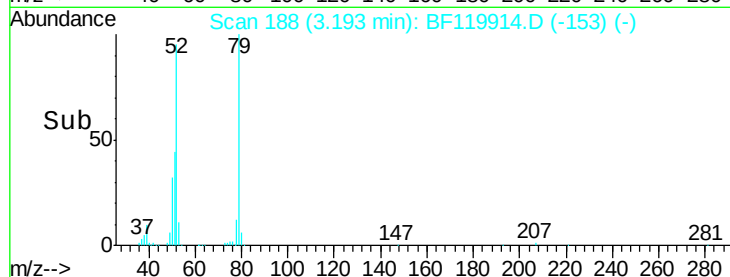
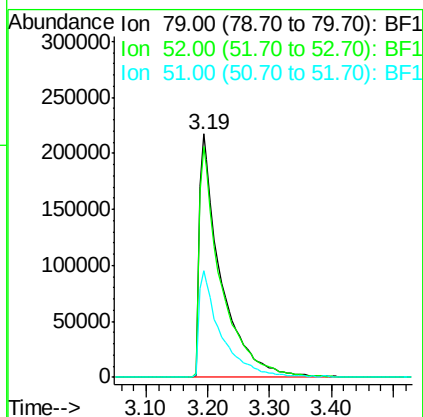
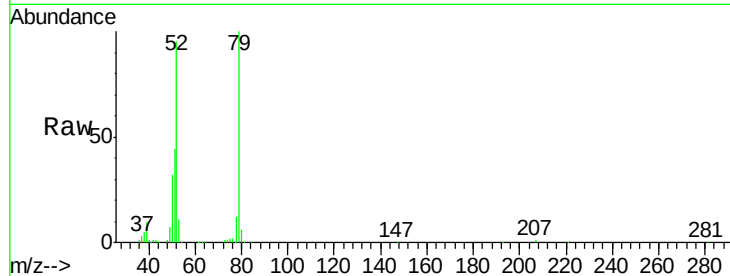
ClientSampleId :

PB128139BS

Tot Ion:	79	Resp:	530124
Ion Ratio	Lower	Upper	
79	100		
52	94.6	77.4	116.0
51	44.0	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 37.518 ng

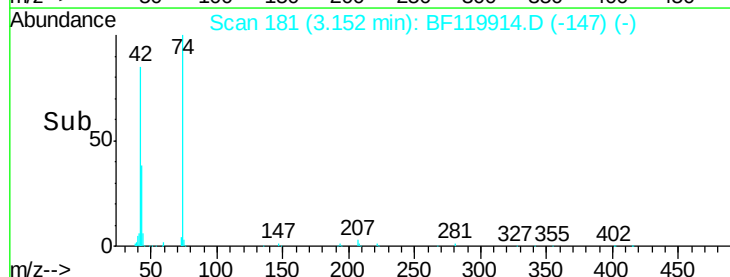
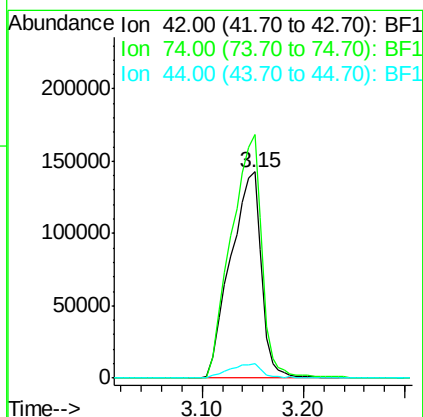
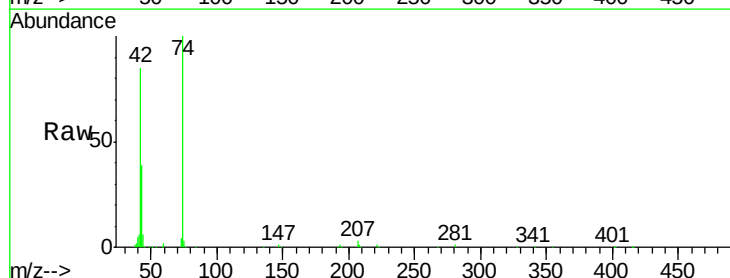
RT: 3.15 min Scan# 181

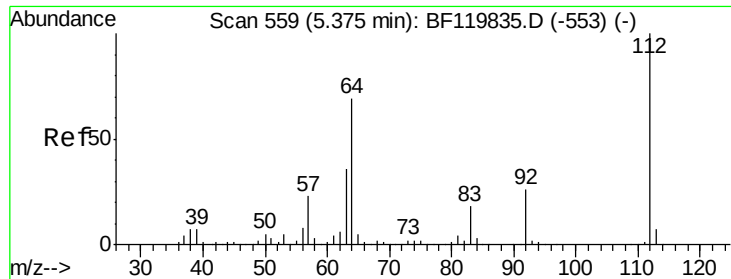
Delta R.T. 0.10 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Tgt Ion:	42	Resp:	300853
Ion Ratio	Lower	Upper	
42	100		
74	118.2	89.0	133.4
44	7.3	6.2	9.4





#5

2-Fluorophenol

Concen: 116.873 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

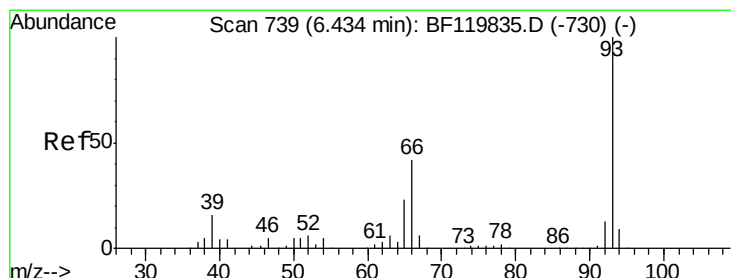
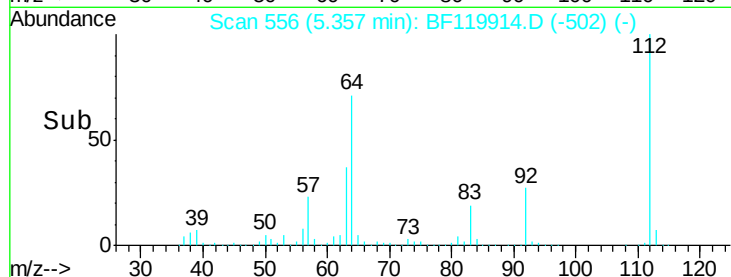
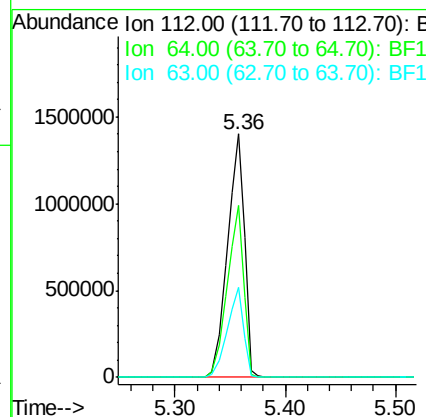
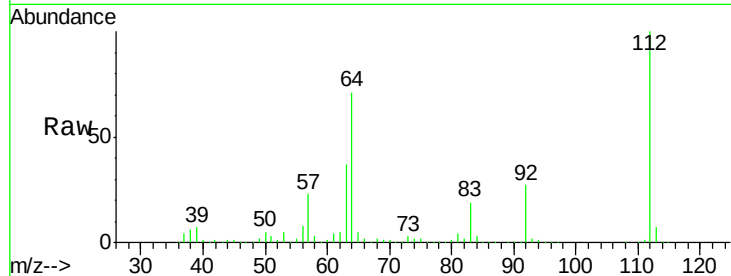
ClientSampleId :

PB128139BS

Tot Ion:	112	Resp:	1501022
Ion	Ratio	Lower	Upper
112	100		
64	70.8	55.5	83.3
63	37.0	29.1	43.7

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#6

Aniline

Concen: 33.750 ng

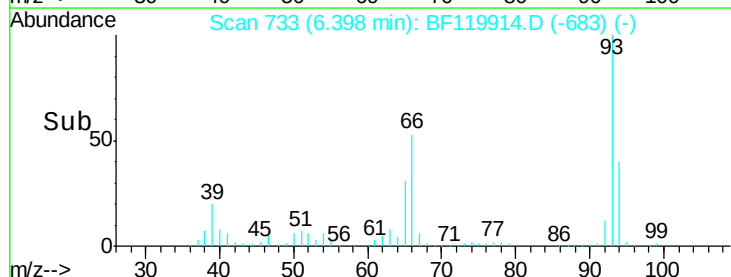
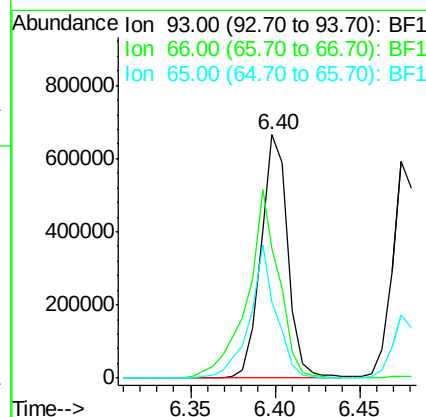
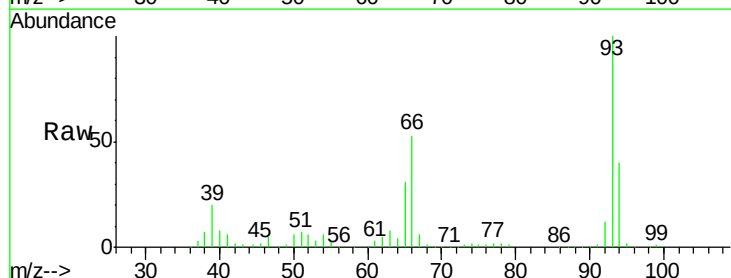
RT: 6.40 min Scan# 733

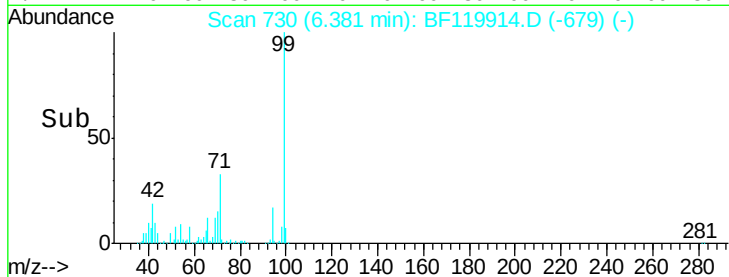
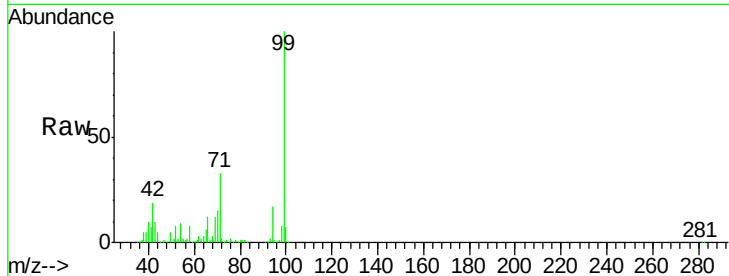
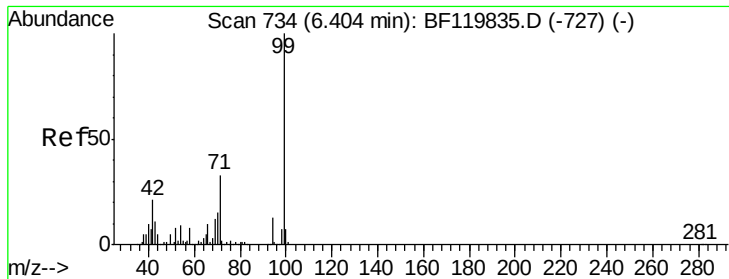
Delta R.T. -0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Tgt Ion:	93	Resp:	733077
Ion	Ratio	Lower	Upper
93	100		
66	53.1	34.2	51.2#
65	31.2	18.3	27.5#





#7

Phenol-d6

Concen: 116.181 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Tot Ion:	99	Resp:	1922696
Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.9	25.3
71	33.0	26.3	39.5

Instrument :

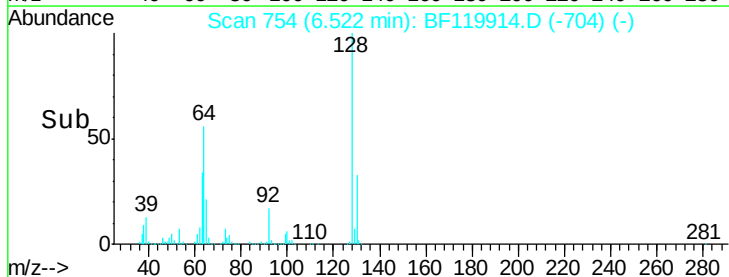
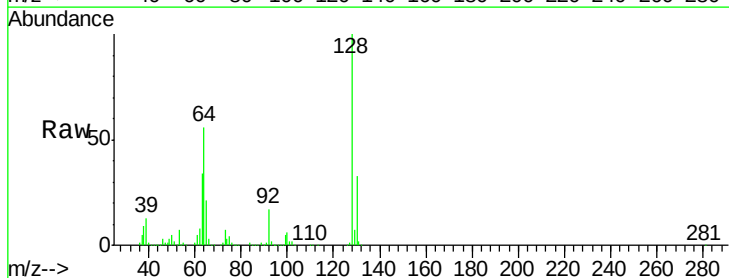
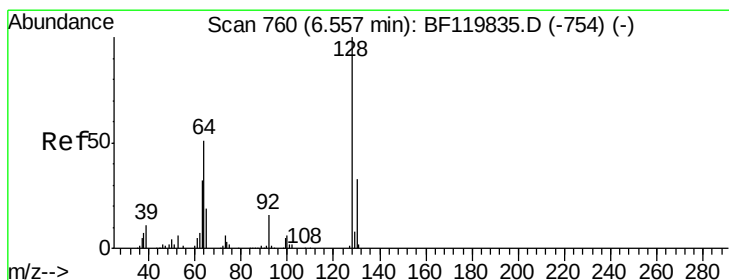
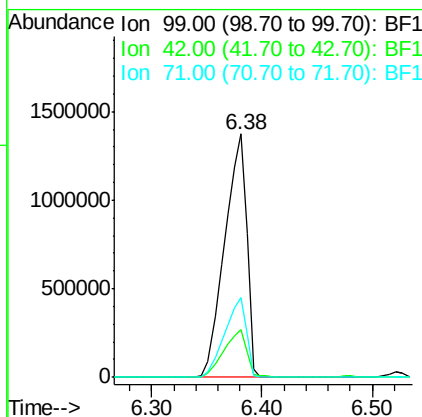
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 42.260 ng

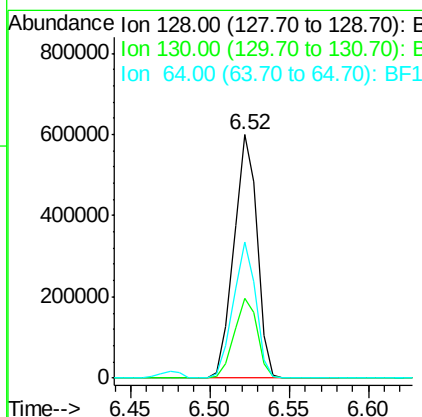
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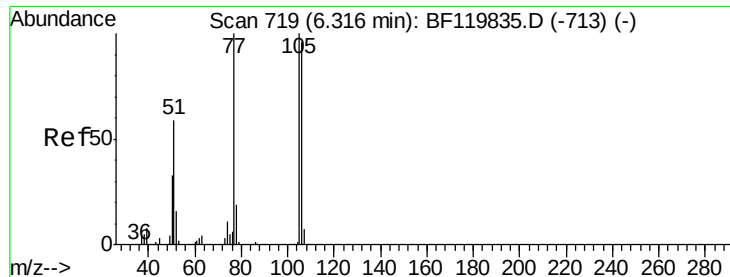
Delta R.T. -0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Tgt Ion:	128	Resp:	606435
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	55.8	32.0	72.0





#9

Benzaldehyde

Concen: 27.375 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

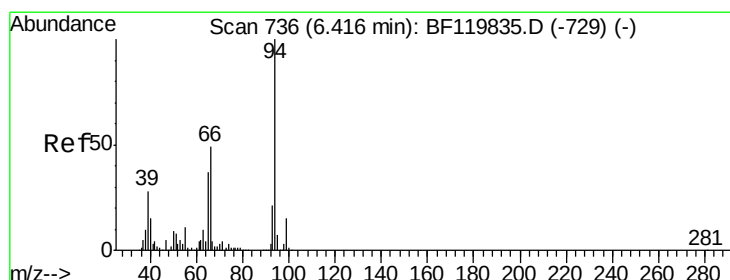
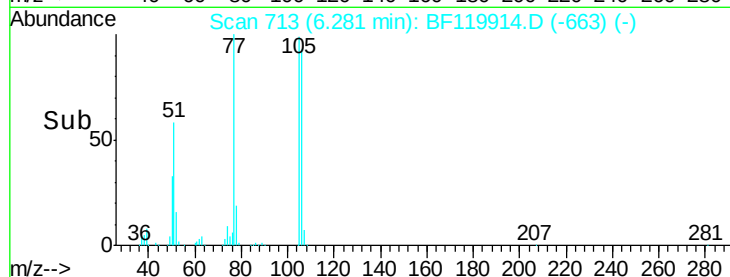
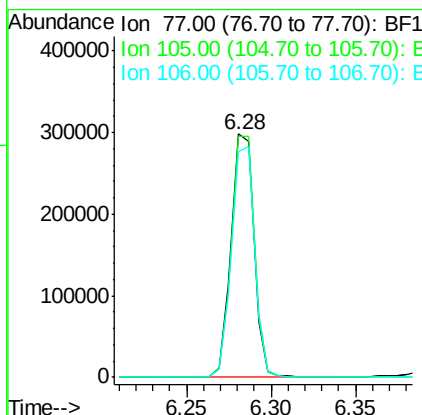
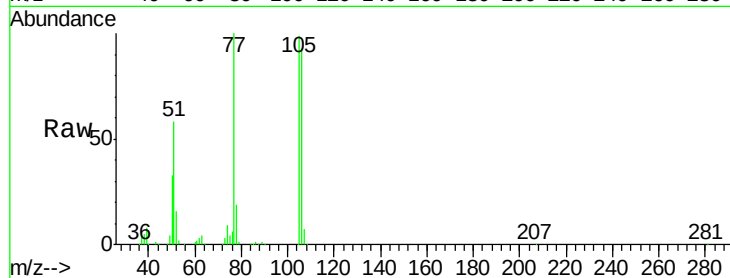
ClientSampleId :

PB128139BS

Tot Ion:	77	Resp:	279827
Ion Ratio	Lower	Upper	
77	100		
105	98.9	79.9	119.9
106	92.9	76.4	116.4

Manual Integrations
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#10

Phenol

Concen: 40.266 ng

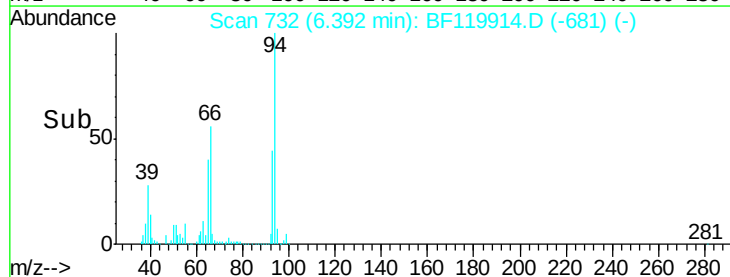
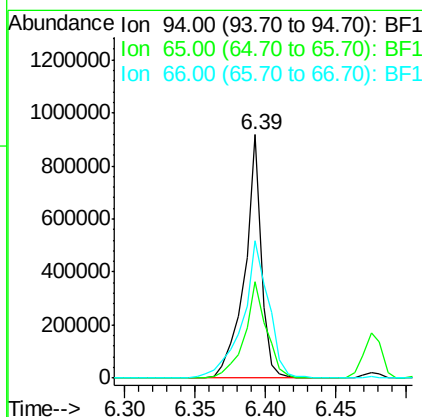
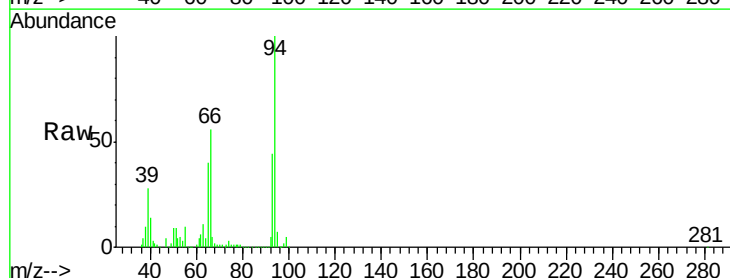
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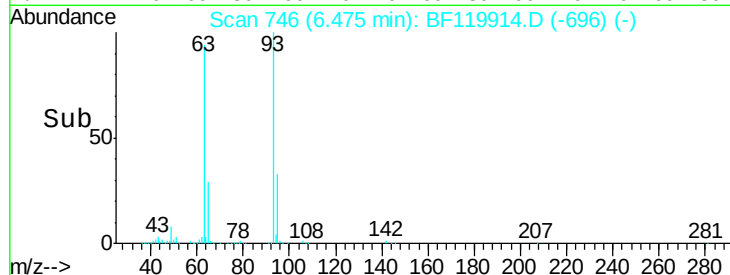
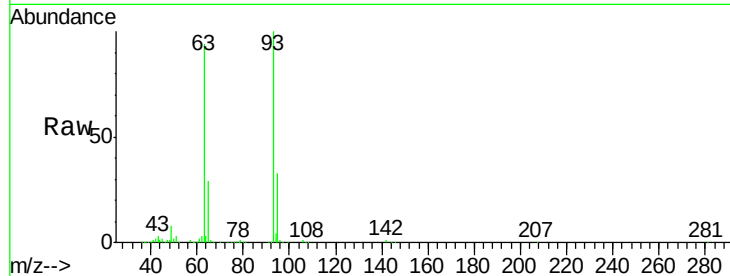
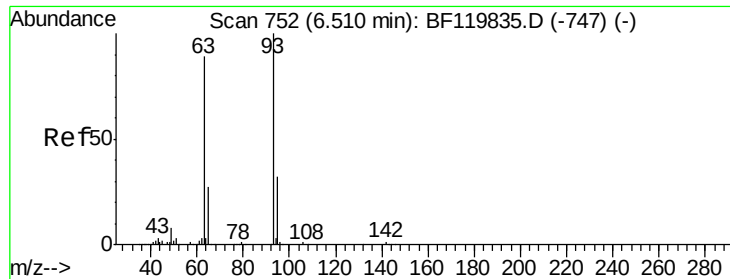
Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Tgt Ion:	94	Resp:	755994
Ion Ratio	Lower	Upper	
94	100		
65	39.8	16.6	56.6
66	56.3	29.3	69.3





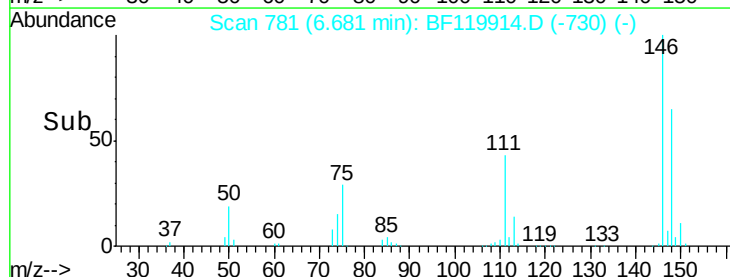
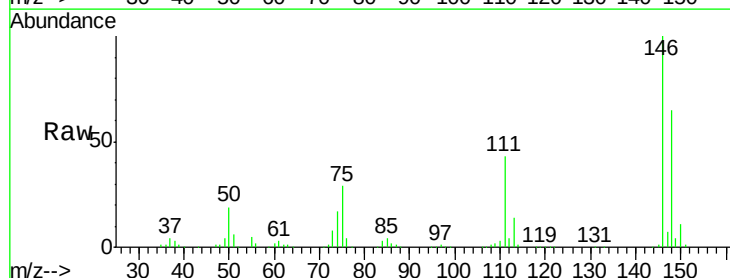
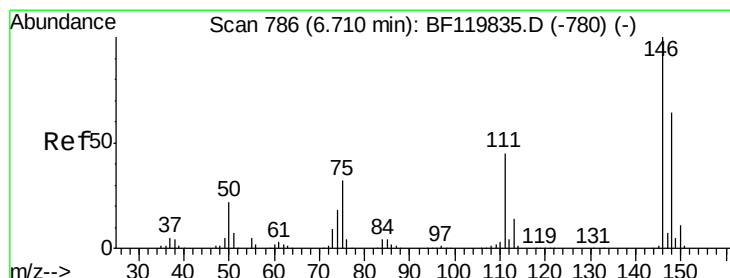
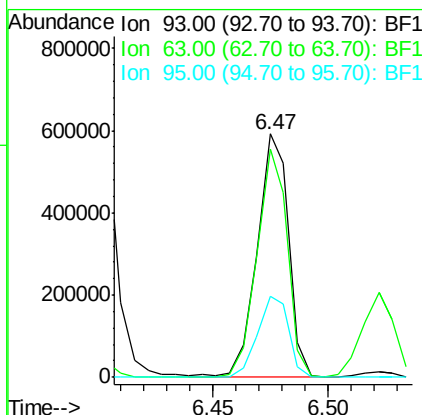
#11
bis(2-Chloroethyl)ether
Concen: 38.413 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tot Ion:	93	Resp:	556847
Ion Ratio	Lower	Upper	
93	100		
63	93.9	69.1	109.1
95	33.5	12.3	52.3

Instrument :
BNA_F
ClientSampleId :
PB128139BS

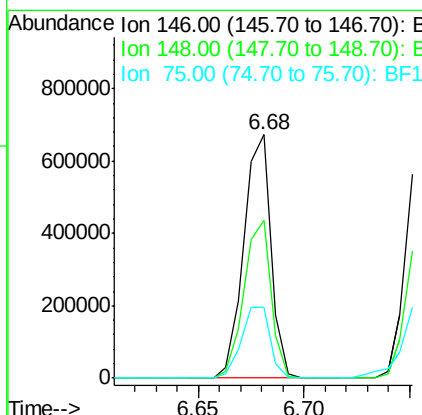
Manual Integrations
APPROVED

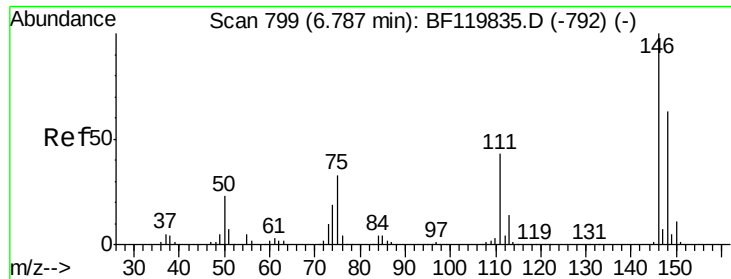
mohammad
4/14/2020 3:38:23 PM



#12
1,3-Dichlorobenzene
Concen: 38.337 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion:	146	Resp:	602283
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.3	76.9
75	29.3	25.3	37.9





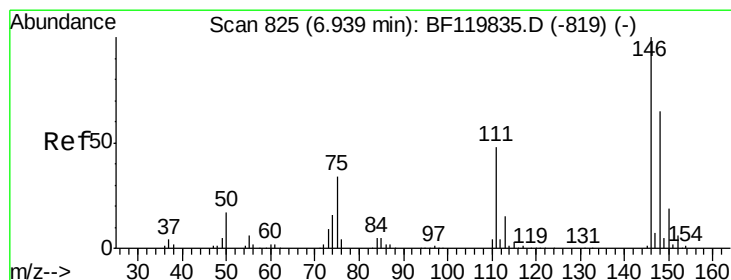
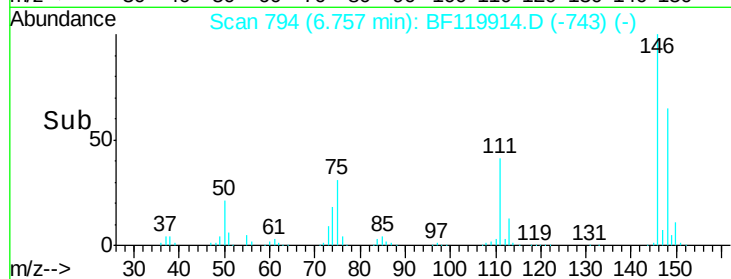
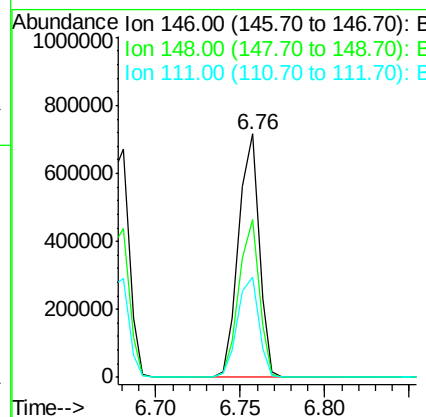
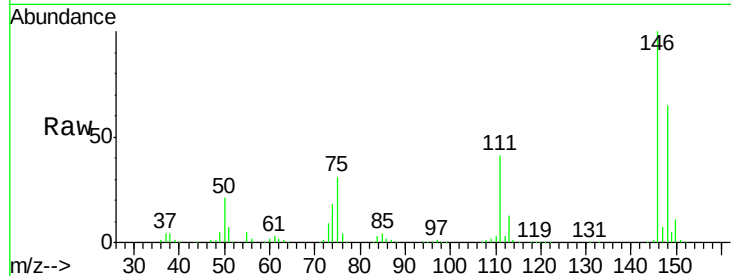
#13
 1,4-Dichlorobenzene
 Concen: 37.973 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.5	75.7
111	41.4	34.7	52.1

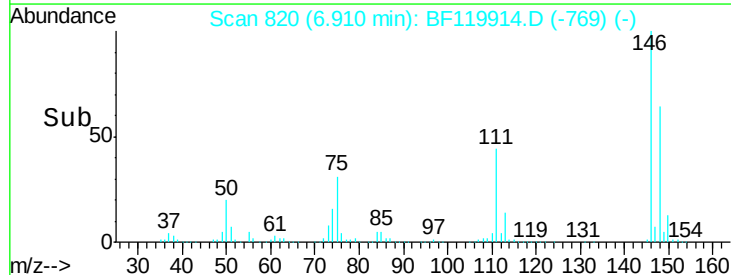
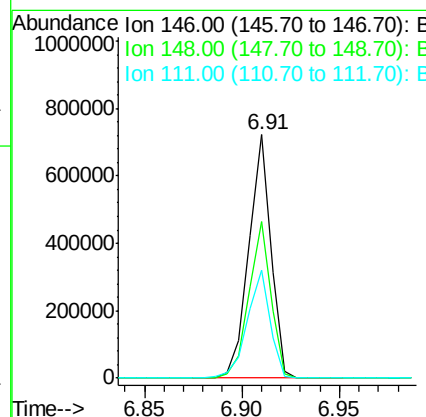
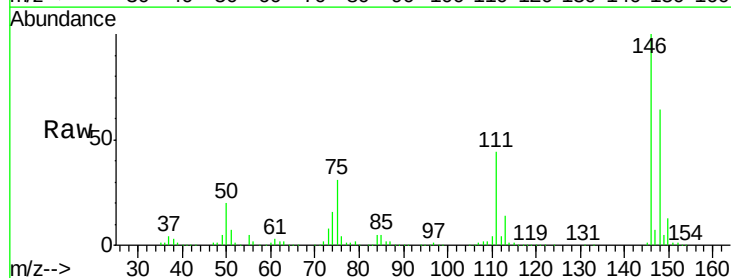
Manual Integrations
 APPROVED

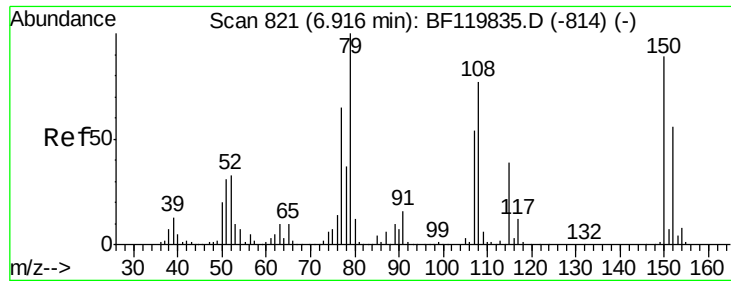
mohammad
 4/14/2020 3:38:23 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.470 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	44.5	38.0	57.0





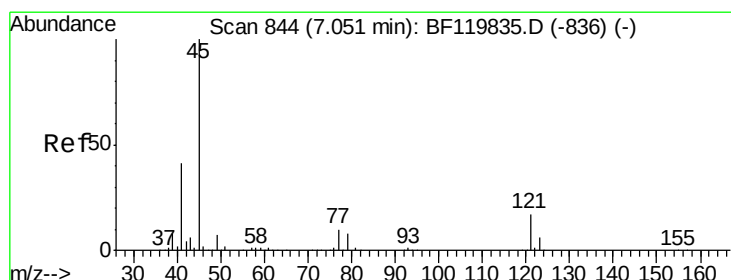
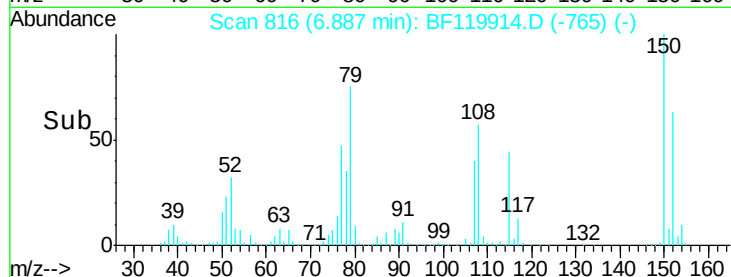
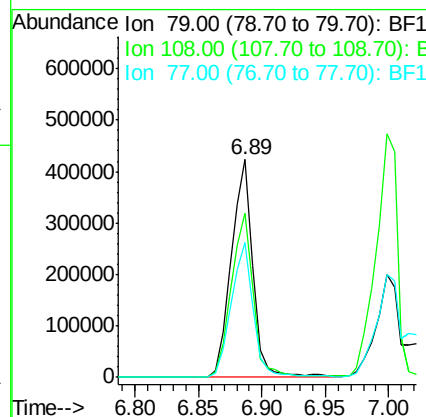
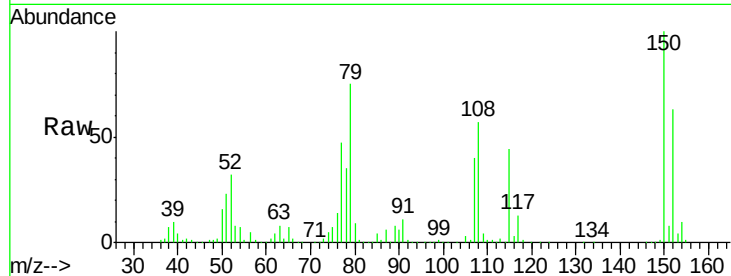
#15
Benzyl Alcohol
Concen: 38.942 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.7	62.0	93.0
77	62.2	51.8	77.6

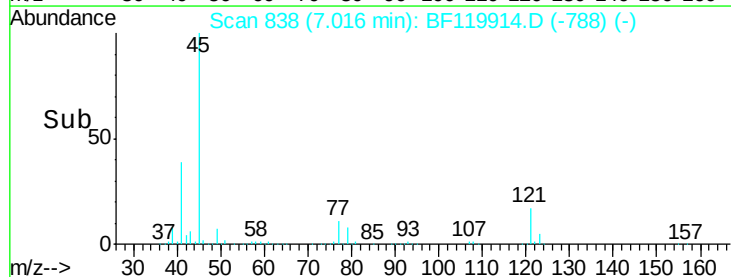
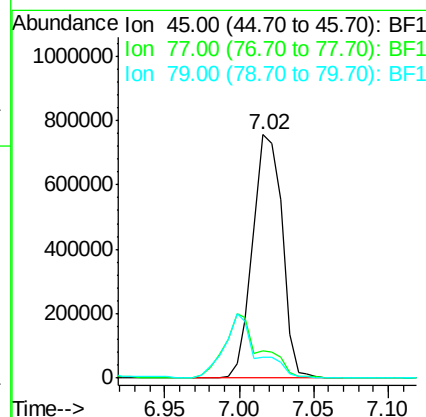
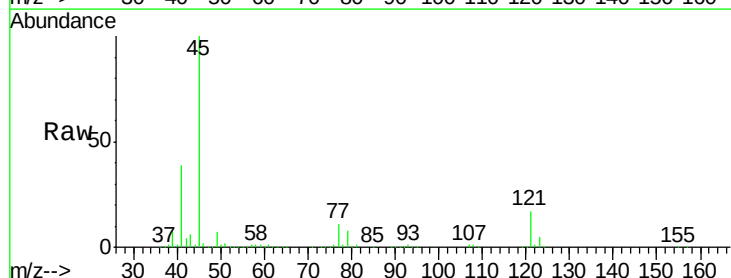
Manual Integrations
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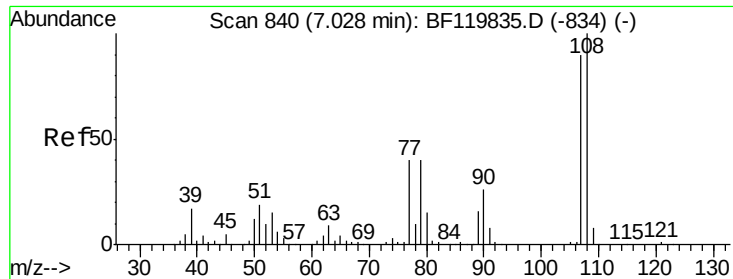
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 36.444 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	30.7
79	8.4	0.0	28.6





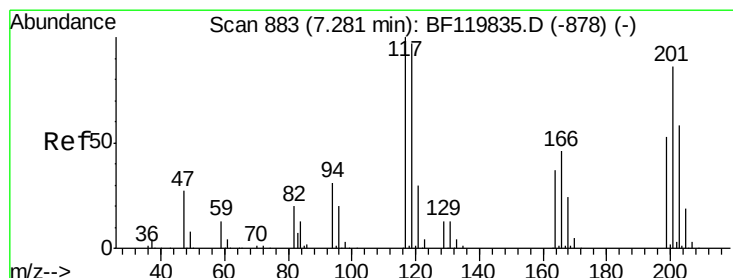
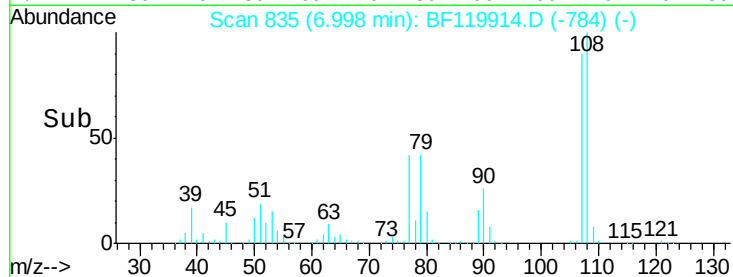
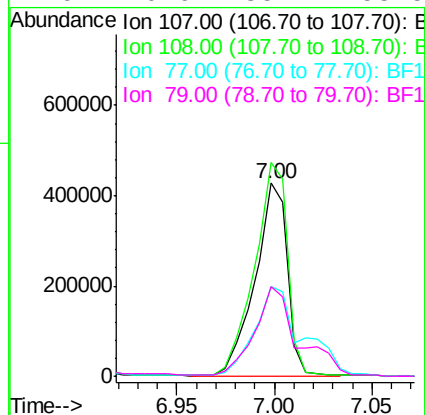
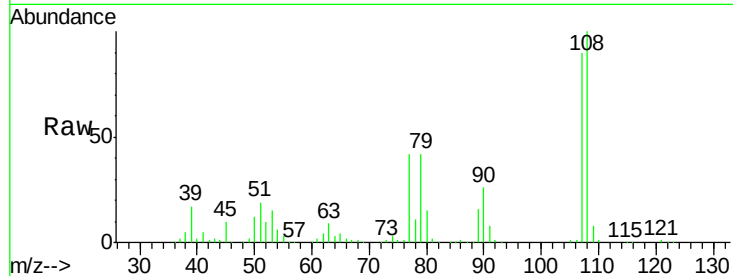
#17
2-Methylphenol
Concen: 38.029 ng
RT: 7.00 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	107	Resp	487007
Ion Ratio	Lower	Upper	
107	100		
108	110.6	88.8	133.2
77	46.5	36.0	54.0
79	46.6	35.7	53.5

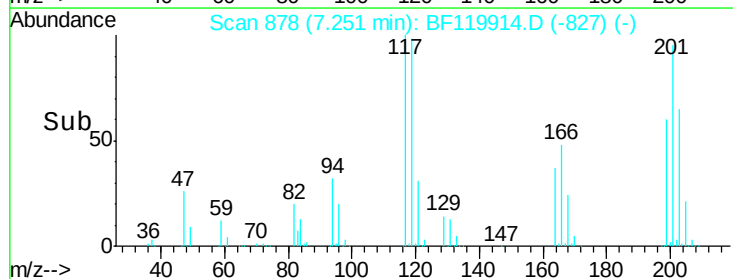
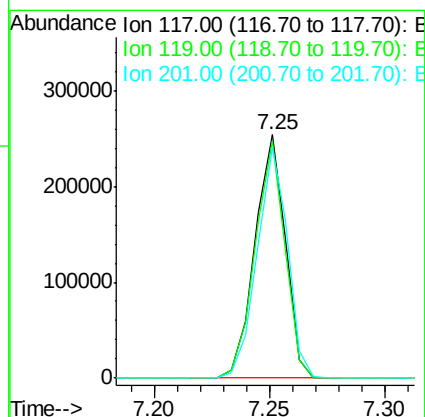
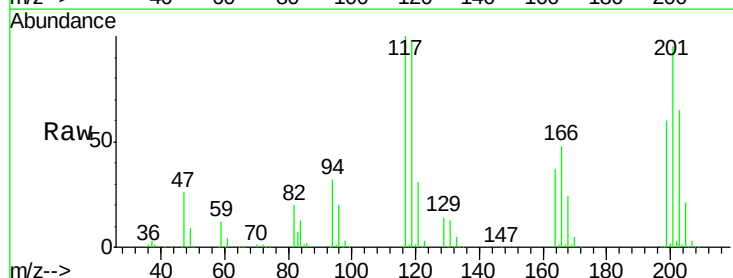
Manual Integrations
APPROVED

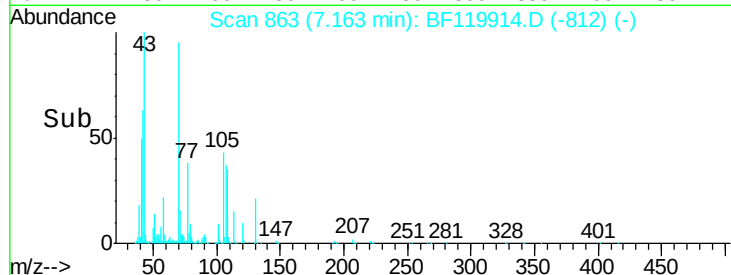
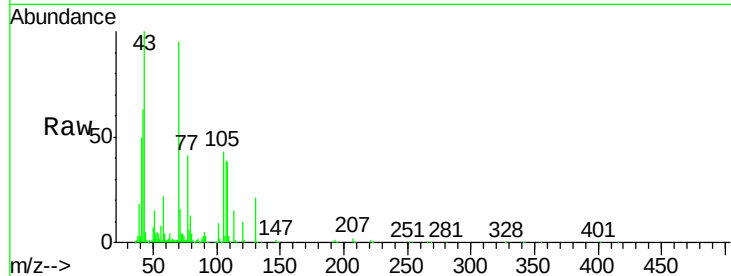
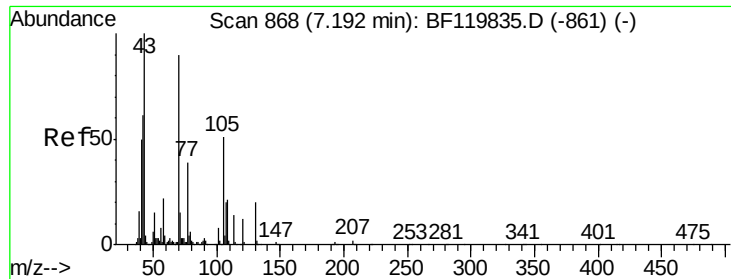
mohammad
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#18
Hexachloroethane
Concen: 39.074 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	117	Resp	233695
Ion Ratio	Lower	Upper	
117	100		
119	97.5	77.4	116.0
201	94.7	68.4	102.6





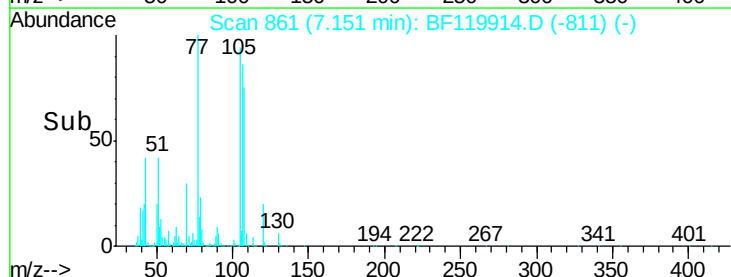
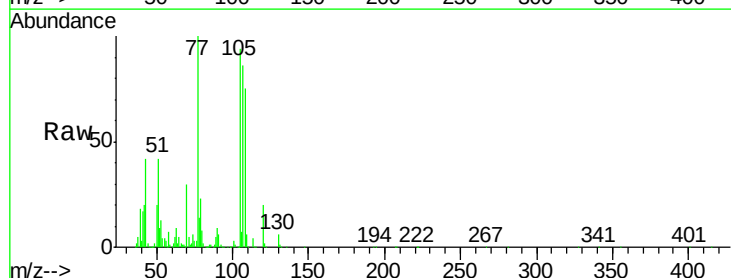
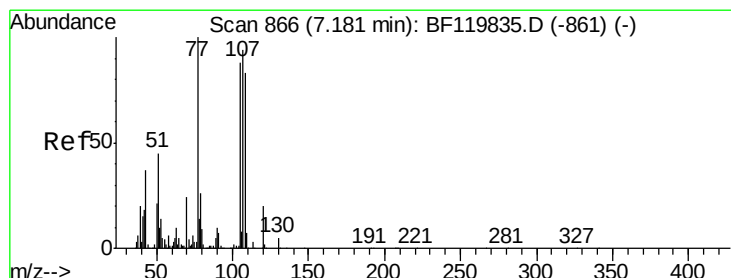
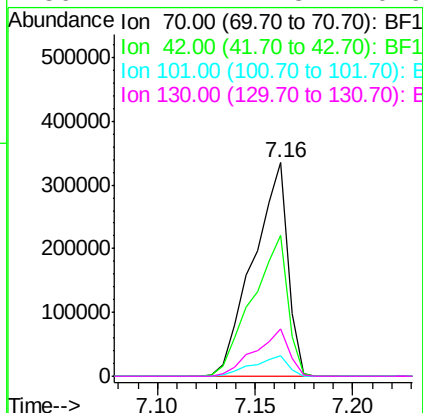
#19
n-Nitroso-di-n-propylamine
Concen: 38.760 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	66.1	54.2	81.4	
101	9.6	7.4	11.2	
130	22.4	17.8	26.6	

Instrument :
BNA_F
ClientSampleId :
PB128139BS

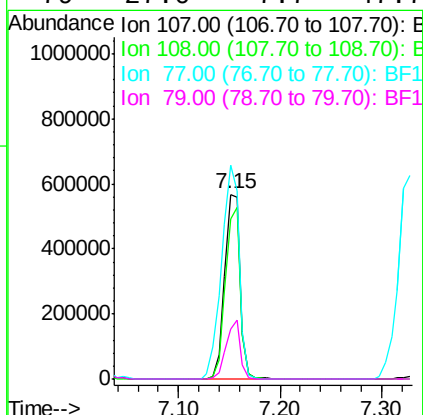
Manual Integrations
APPROVED

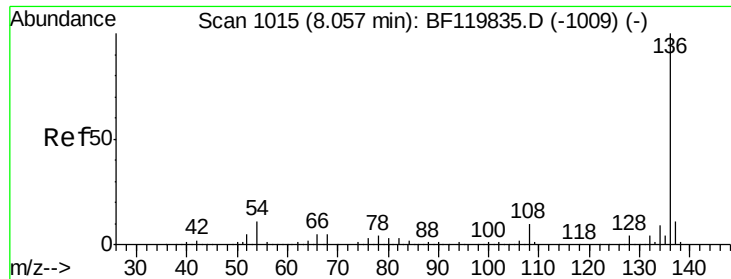
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#20
3+4-Methylphenols
Concen: 38.327 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.7	68.2	108.2	
77	115.7	86.6	126.6	
79	27.0	7.7	47.7	





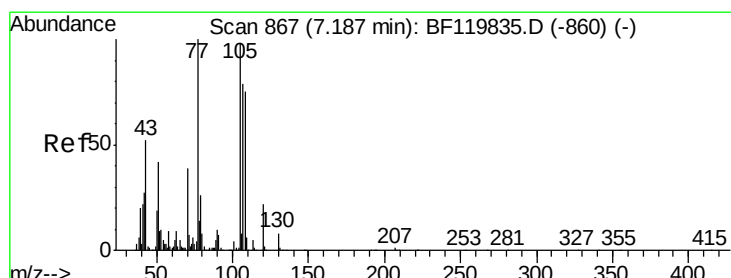
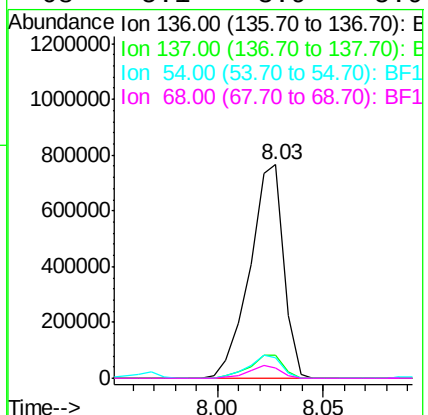
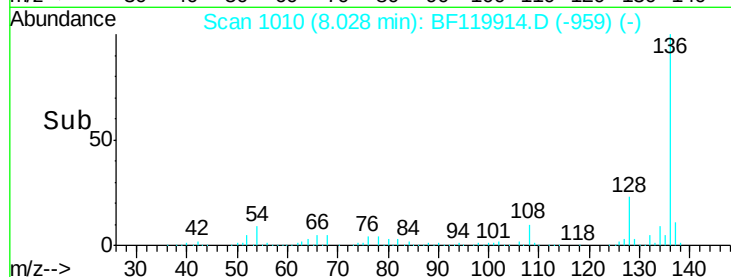
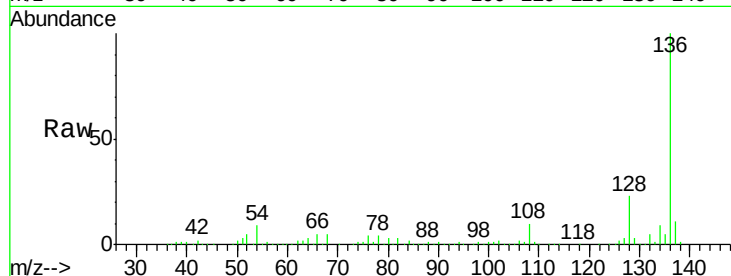
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	852112		
137	10.8	8.7	13.1	
54	9.5	8.5	12.7	
68	5.1	3.9	5.9	

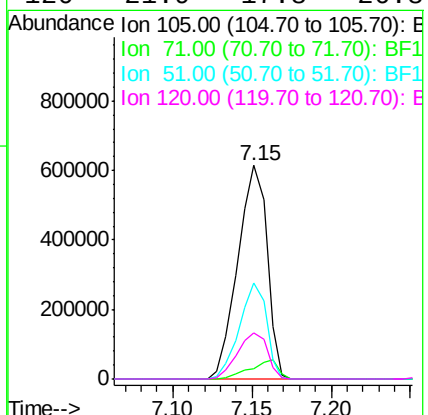
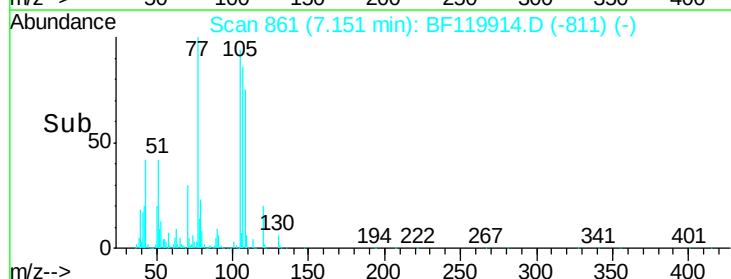
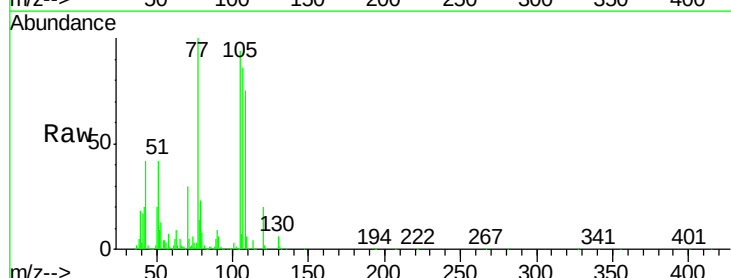
Manual Integrations
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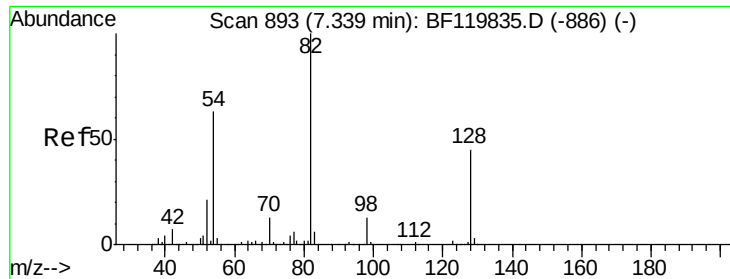
mohammad
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#22
Acetophenone
Concen: 39.408 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	786339		
71	5.0	5.6	8.4#	
51	45.0	33.9	50.9	
120	21.9	17.8	26.8	





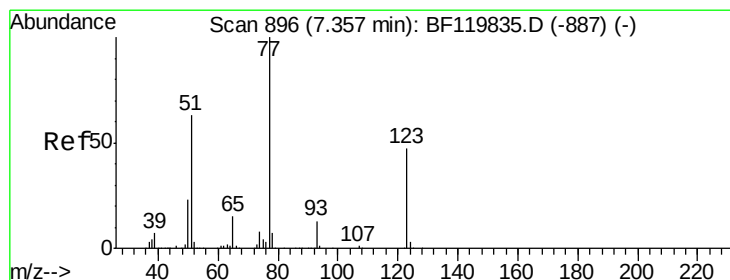
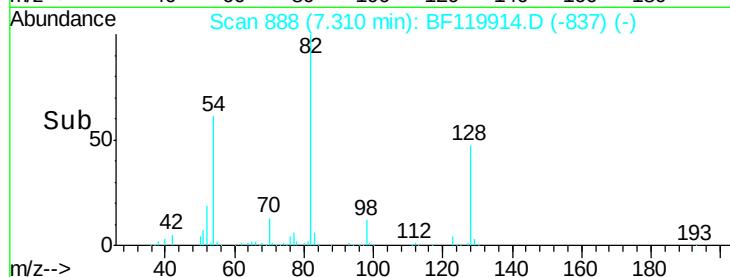
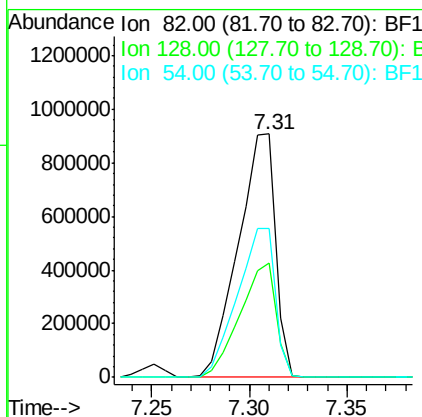
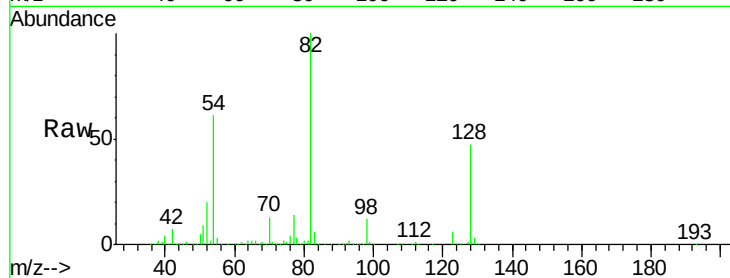
#23
Nitrobenzene-d5
Concen: 72.828 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion: 82 Resp: 1199568
Ion Ratio Lower Upper
82 100
128 46.8 36.2 54.4
54 61.0 50.4 75.6

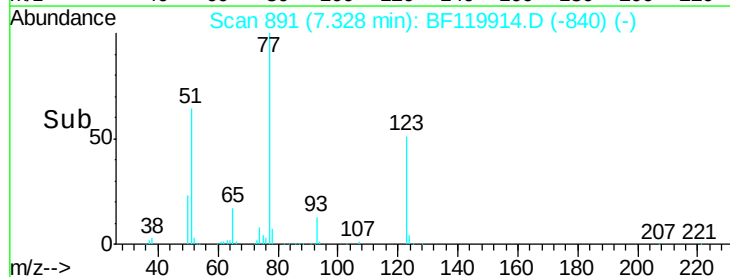
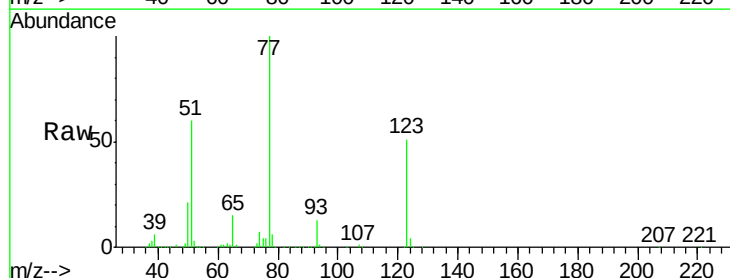
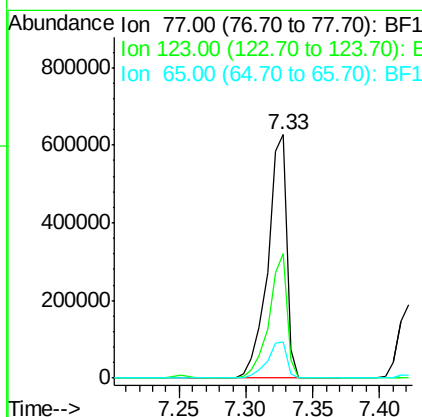
Manual Integrations
APPROVED

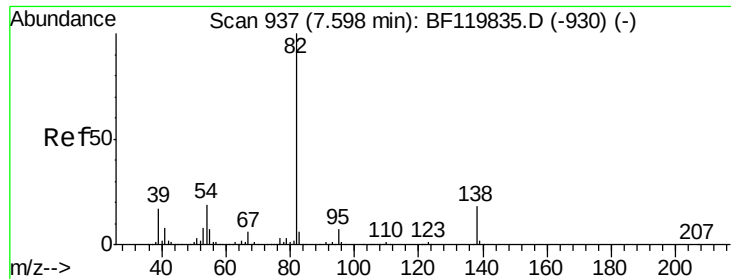
mohammad
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#24
Nitrobenzene
Concen: 37.425 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion: 77 Resp: 620114
Ion Ratio Lower Upper
77 100
123 51.4 37.8 56.8
65 15.1 12.2 18.2





#25

Isophorone

Concen: 36.859 ng

RT: 7.57 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion: 82 Resp: 1170318

Ion Ratio Lower Upper

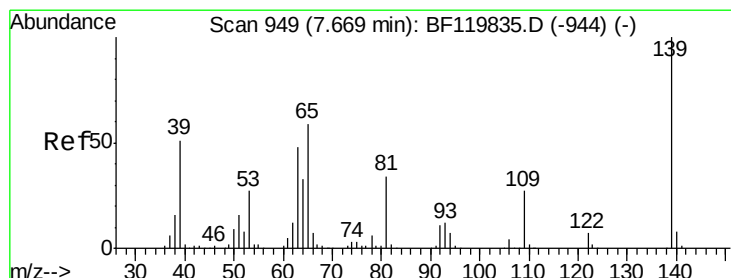
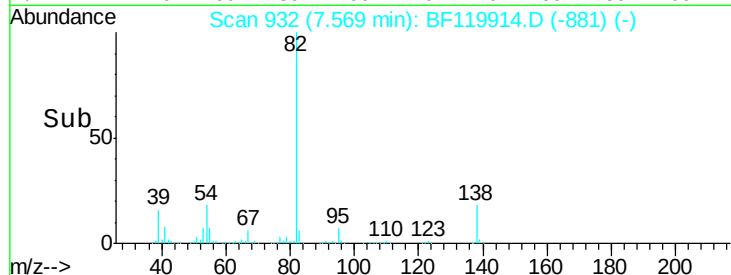
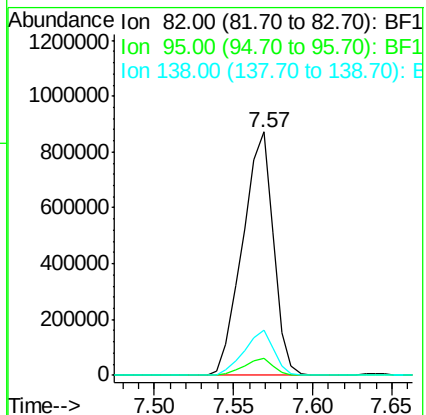
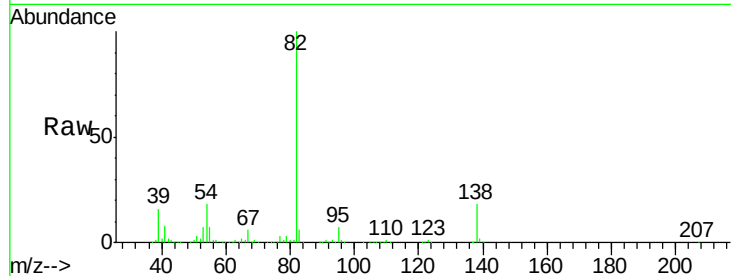
82 100

95 6.9 5.8 8.6

138 18.5 14.5 21.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 40.344 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

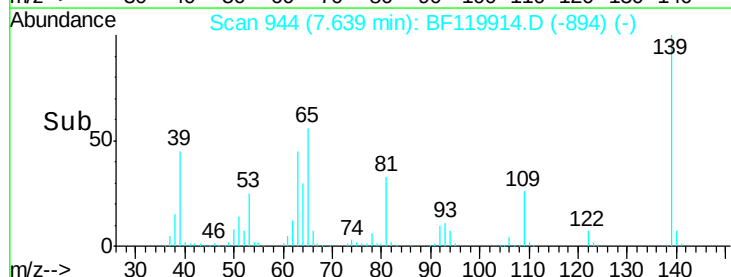
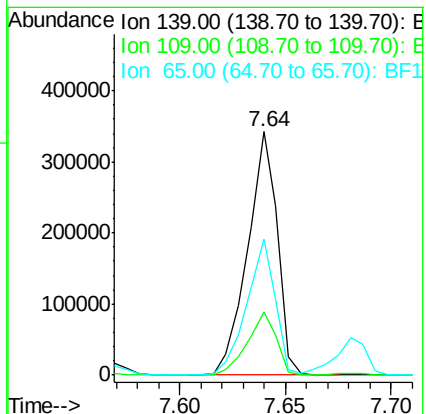
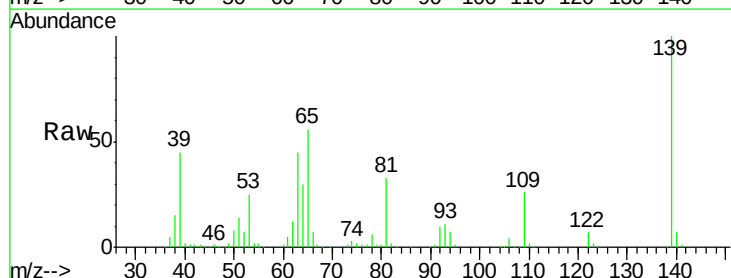
Tgt Ion: 139 Resp: 333974

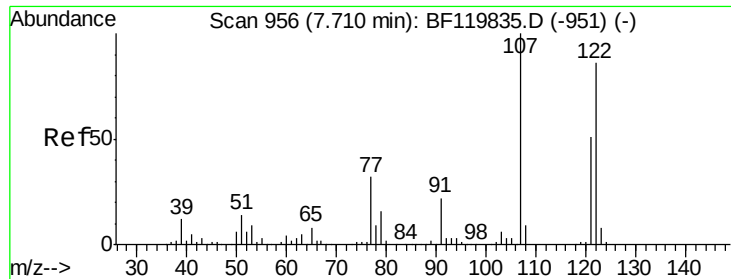
Ion Ratio Lower Upper

139 100

109 25.9 21.8 32.6

65 56.0 47.0 70.4





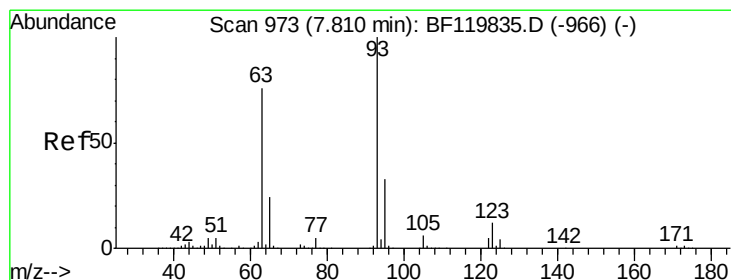
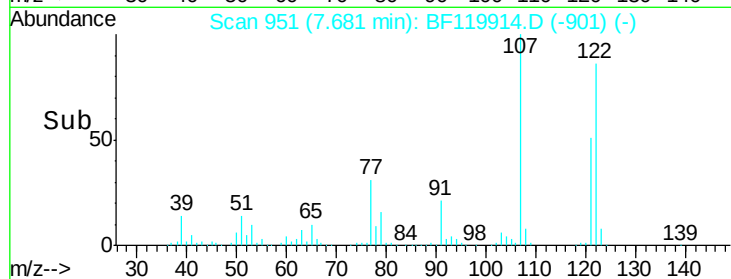
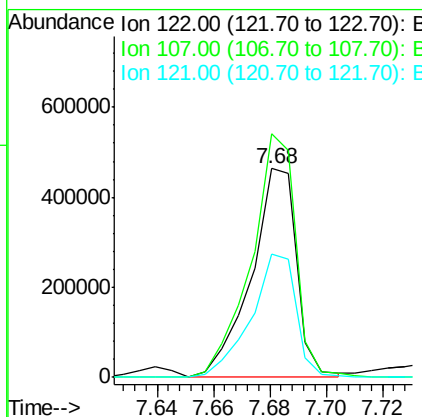
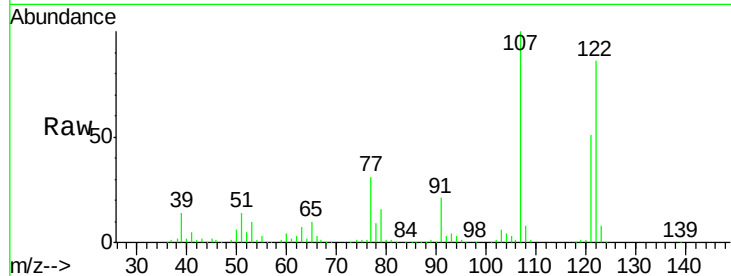
#27
 2,4-Dimethylphenol
 Concen: 41.541 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		518631		
107	116.7	92.3	138.5		
121	58.9	46.6	70.0		

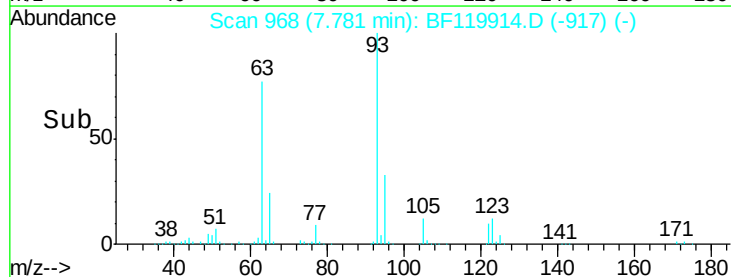
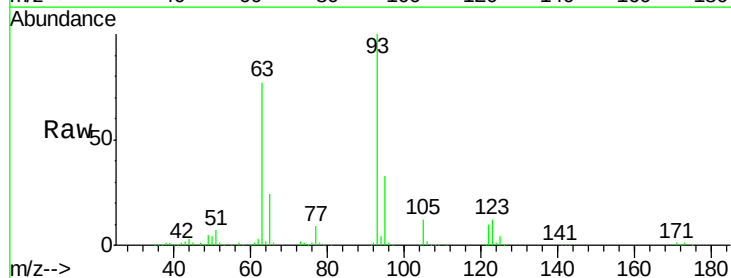
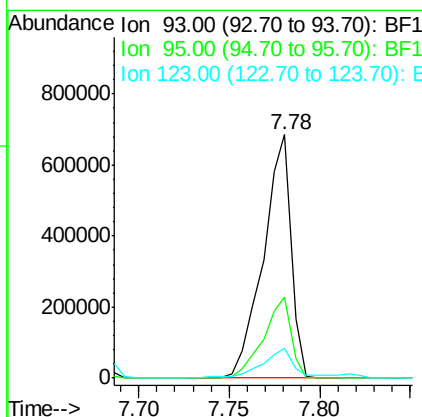
Manual Integrations
 APPROVED

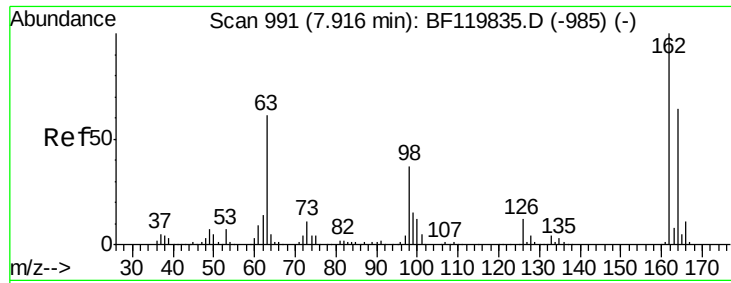
mohammad
 4/14/2020 3:38:23 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 39.062 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		729835		
95	33.3	26.4	39.6		
123	12.1	9.7	14.5		





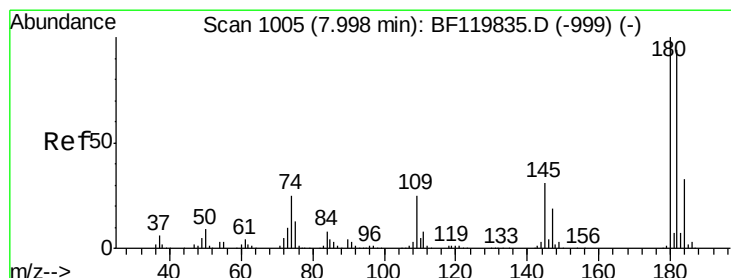
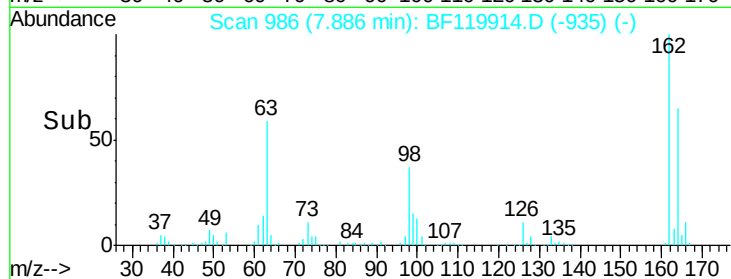
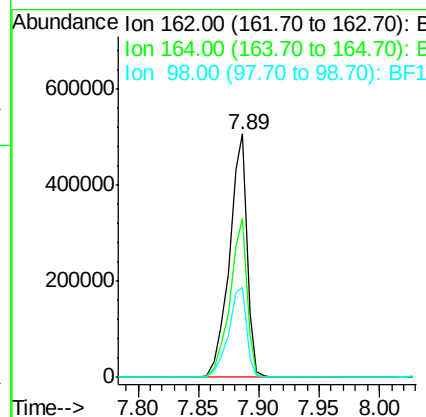
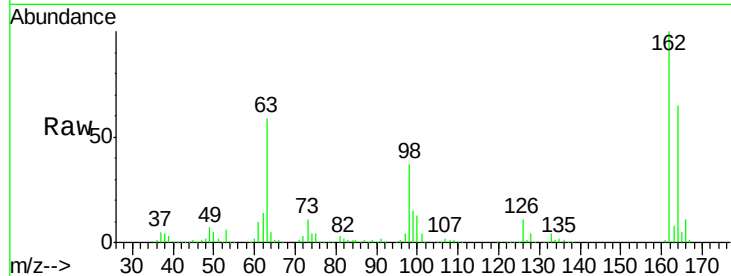
#29
2,4-Dichlorophenol
Concen: 39.855 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion:	162	Resp:	510032
Ion Ratio	Lower	Upper	
162	100		
164	65.3	44.4	84.4
98	37.2	17.3	57.3

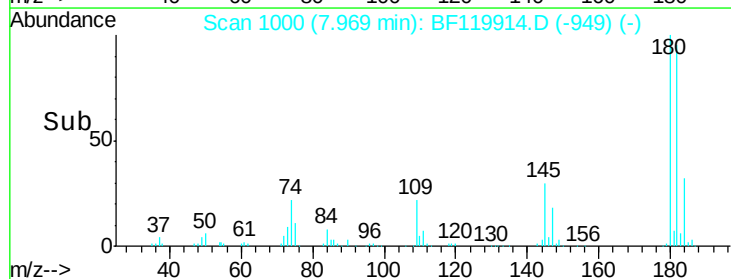
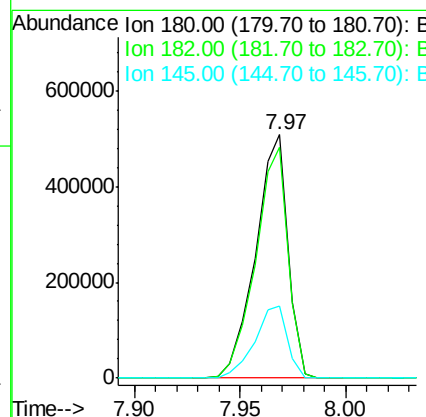
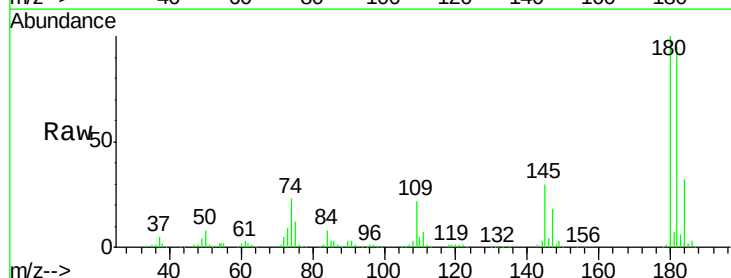
Manual Integrations
APPROVED

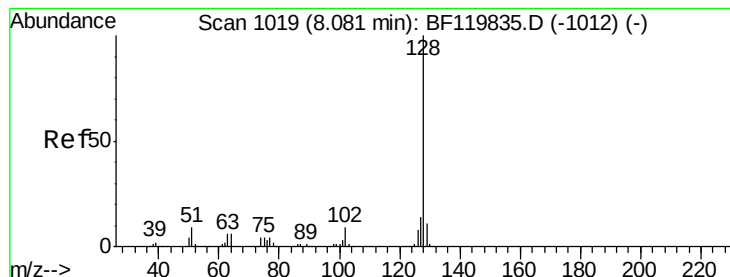
mohammad
4/14/2020 3:38:23 PM



#30
1,2,4-Trichlorobenzene
Concen: 37.270 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion:	180	Resp:	540426
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.4	113.0
145	29.7	24.6	37.0





#31

Naphthalene

Concen: 38.256 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:128 Resp: 1715077

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

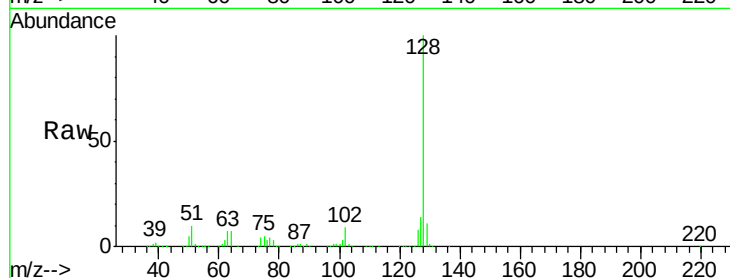
127 13.7 11.0 16.4

Manual Integrations

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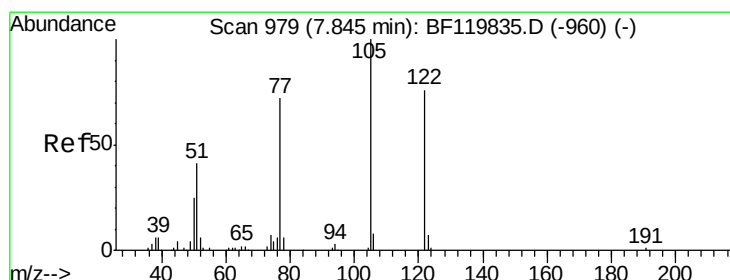
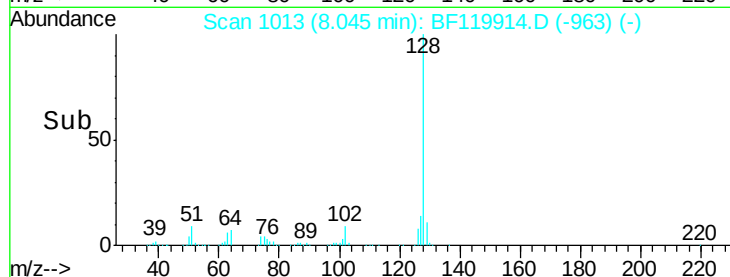
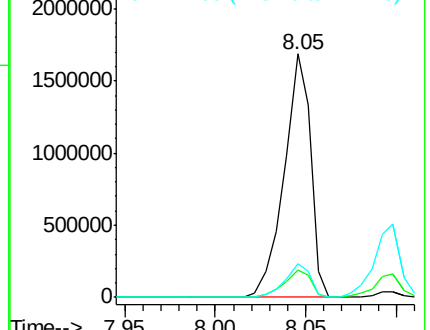
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 38.601 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

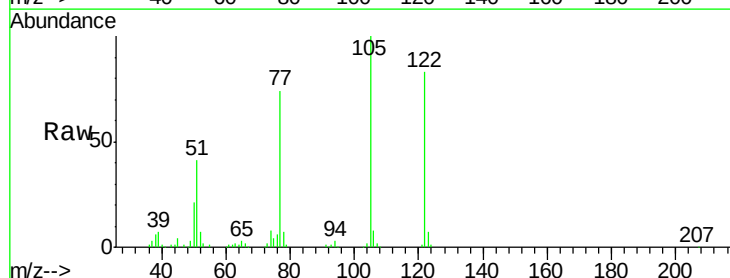
Tgt Ion:122 Resp: 423256

Ion Ratio Lower Upper

122 100

105 120.9 106.7 146.7

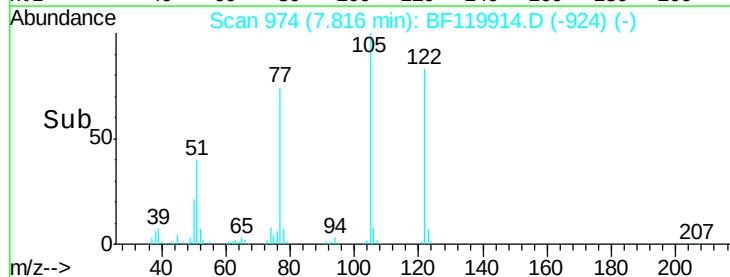
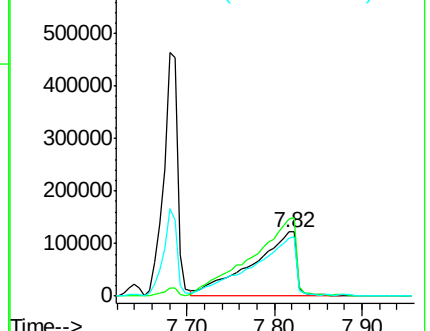
77 89.4 72.1 112.1

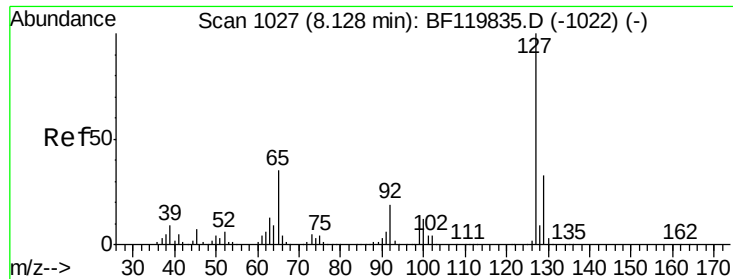


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





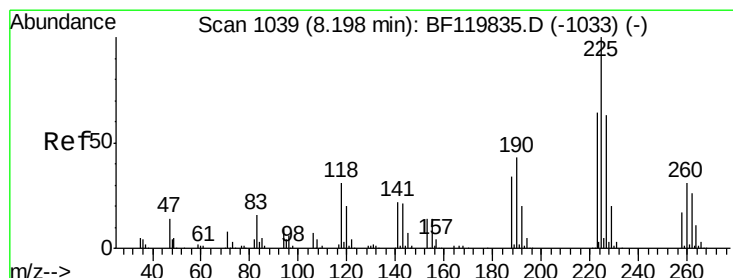
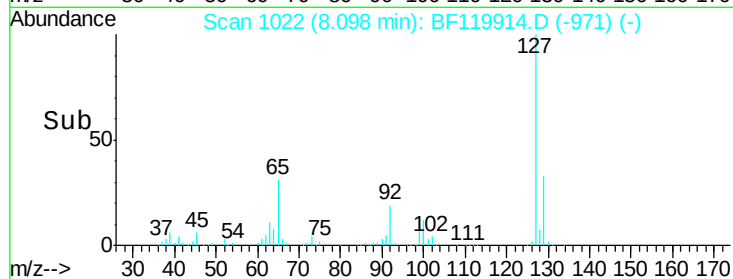
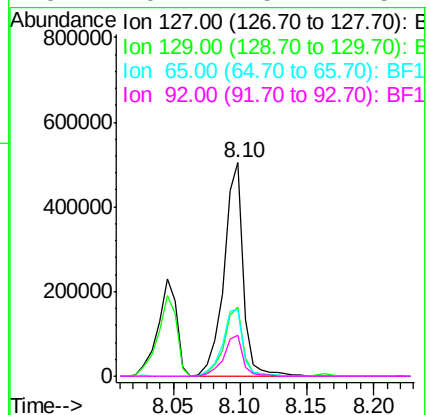
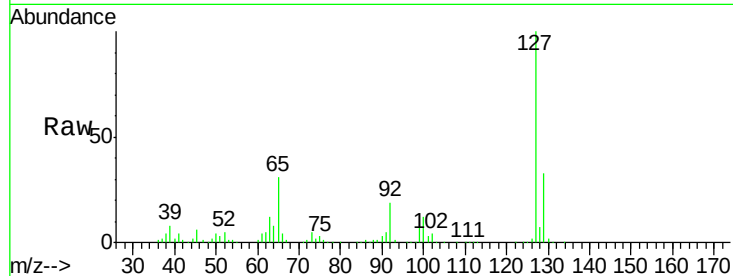
#33
4-Chloroaniline
Concen: 26.246 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.5	26.2	39.2	
65	31.3	28.3	42.5	
92	19.1	15.4	23.2	

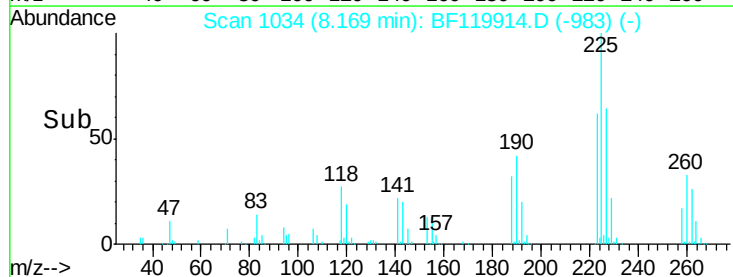
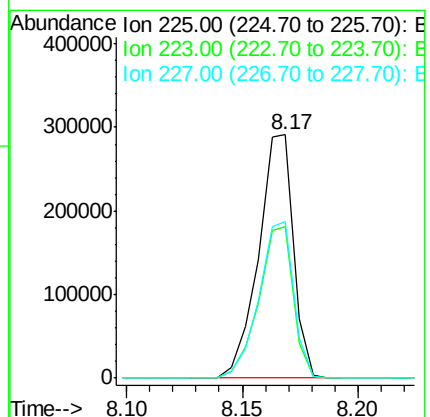
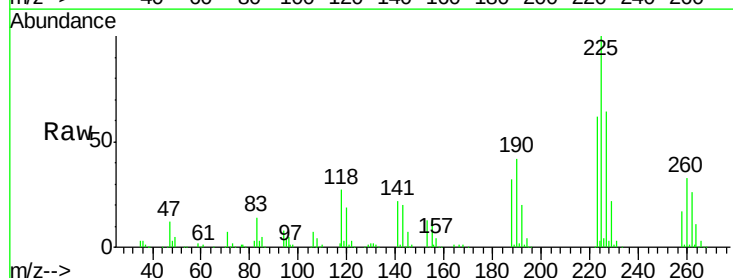
Manual Integrations
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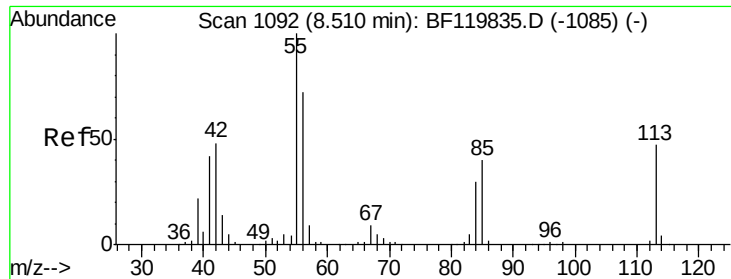
mohammad
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#34
Hexachlorobutadiene
Concen: 35.412 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	51.0	76.6	
227	64.3	50.4	75.6	





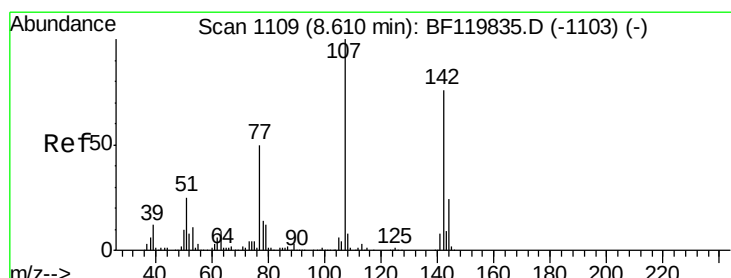
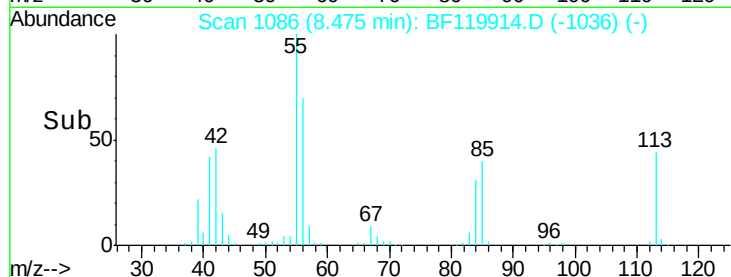
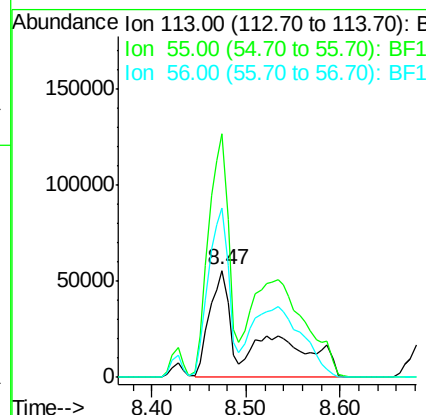
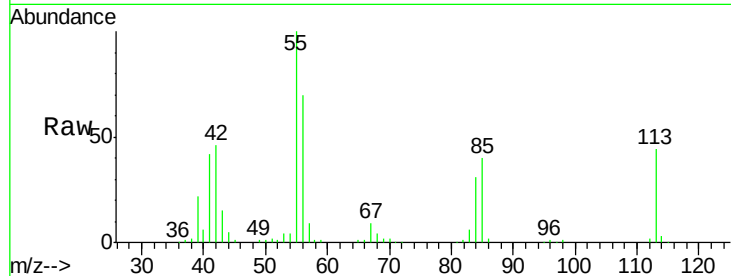
#35
Caprolactam
Concen: 45.187 ng/ml
RT: 8.47 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	228.0	192.7	232.7		
56	158.8	133.3	173.3		

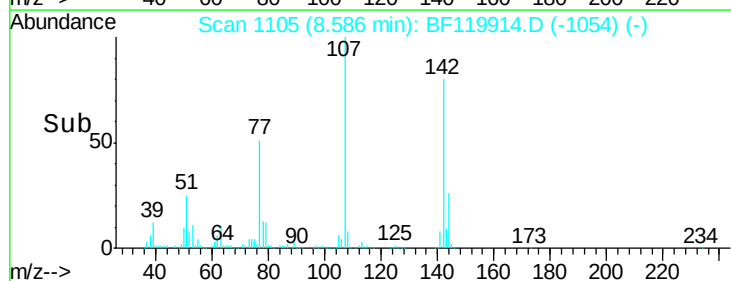
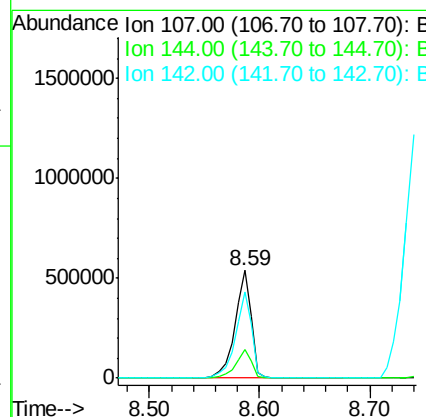
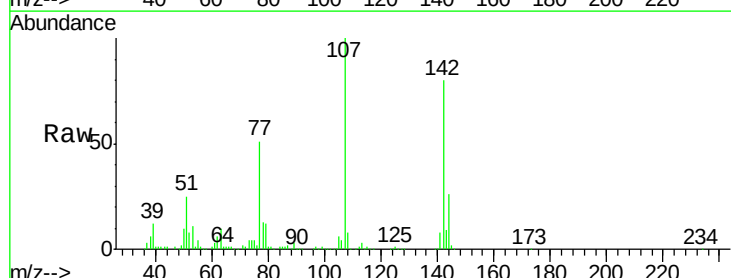
Manual Integrations
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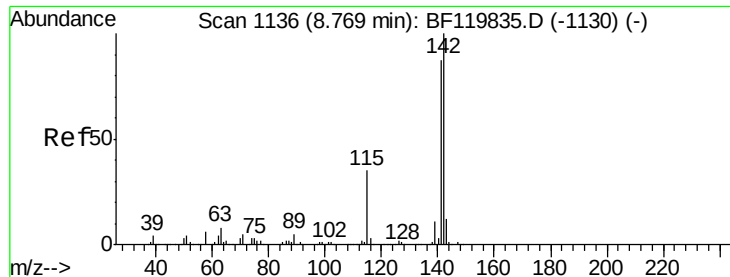
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 40.147 ng/ml
RT: 8.59 min Scan# 1105
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.9	19.5	29.3		
142	79.7	60.5	90.7		





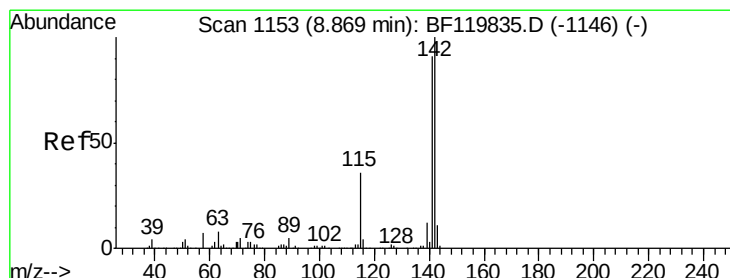
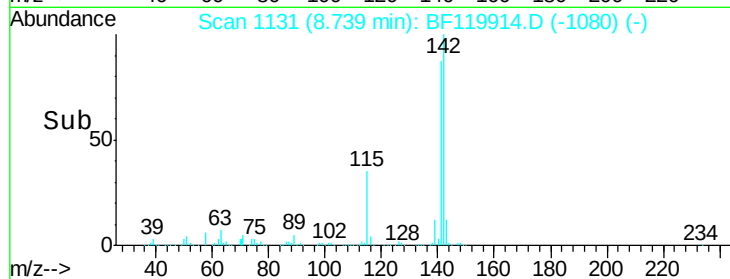
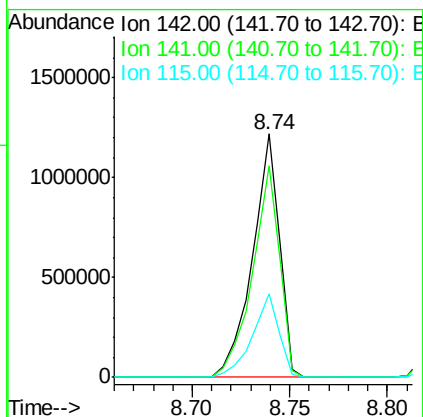
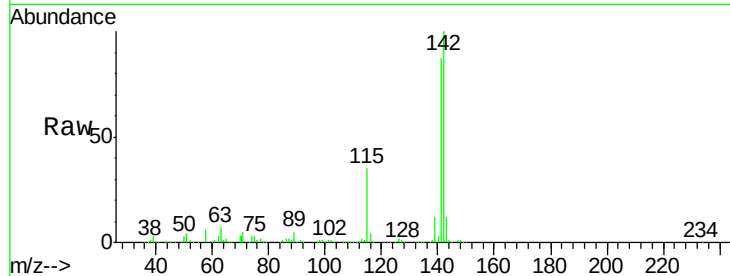
#37
2-Methylnaphthalene
Concen: 38.355 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	69.9	104.9
115	34.6	28.0	42.0

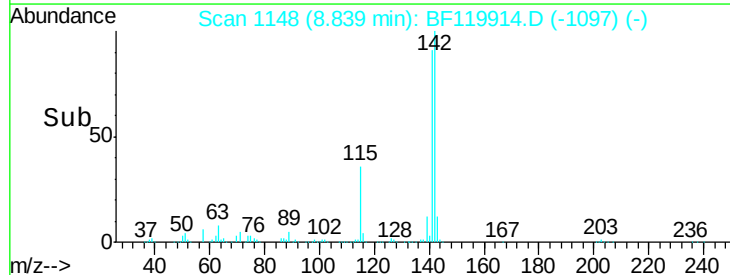
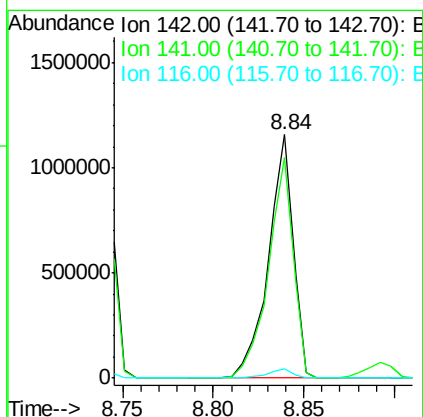
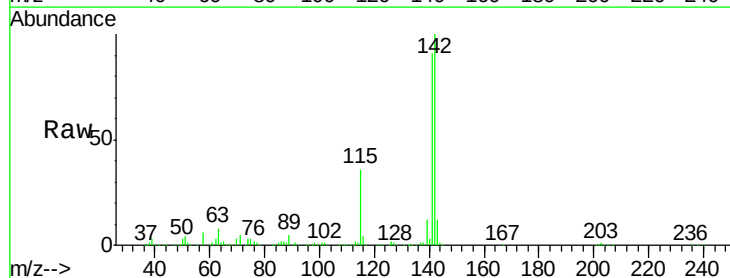
Manual Integrations
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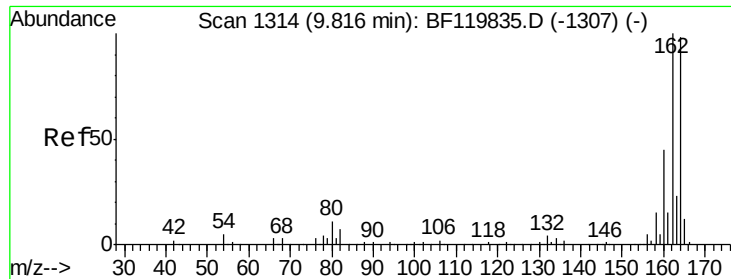
mohammad
4/14/2020 3:38:23 PM



#38
1-Methylnaphthalene
Concen: 38.302 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.9	109.3
116	3.7	3.0	4.6





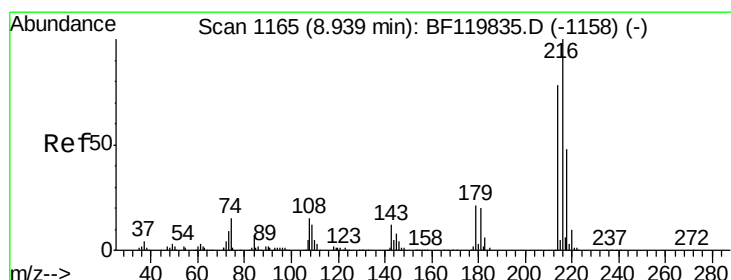
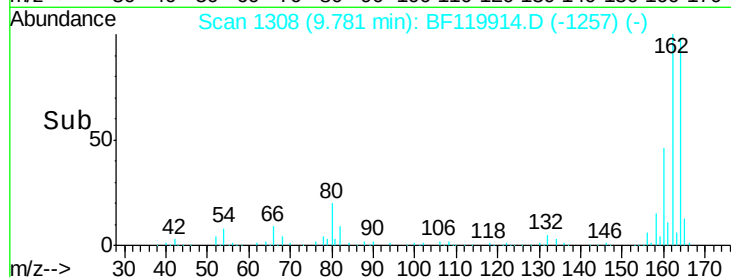
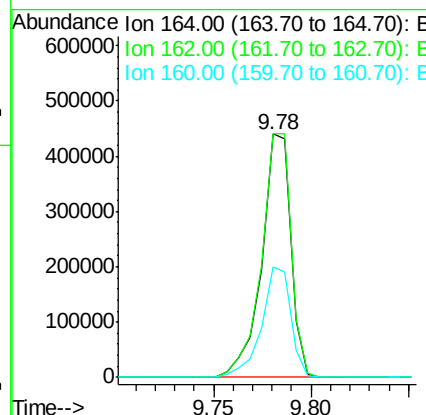
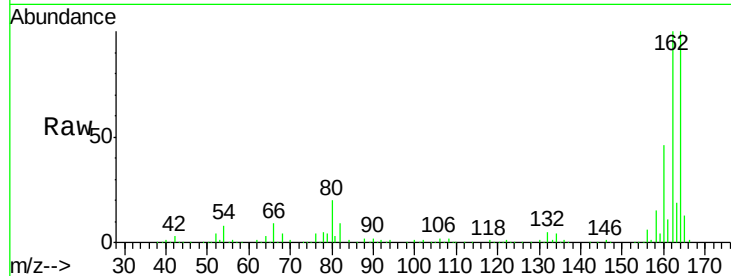
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.9	122.9
160	45.6	36.6	54.8

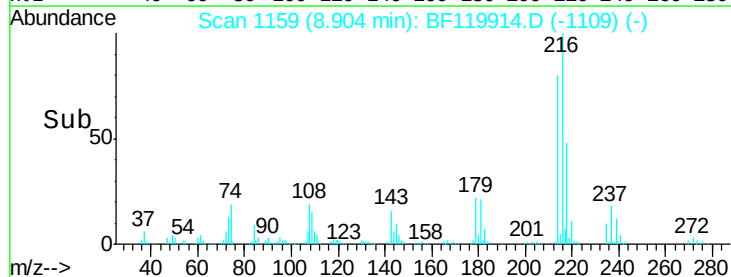
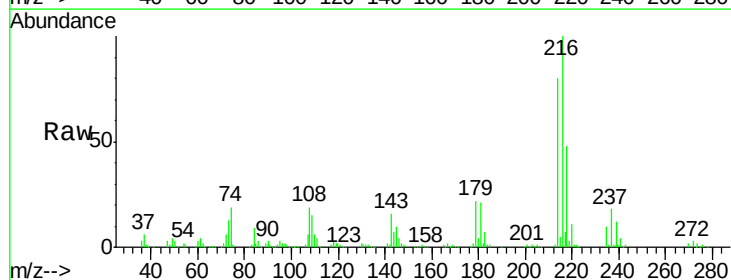
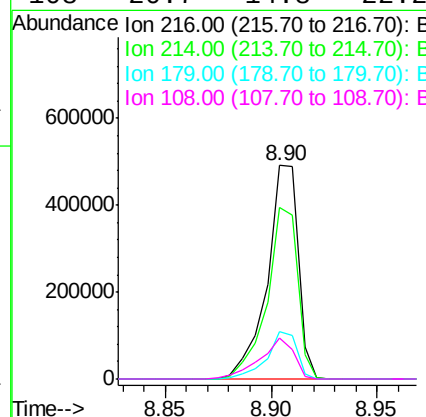
Manual Integrations
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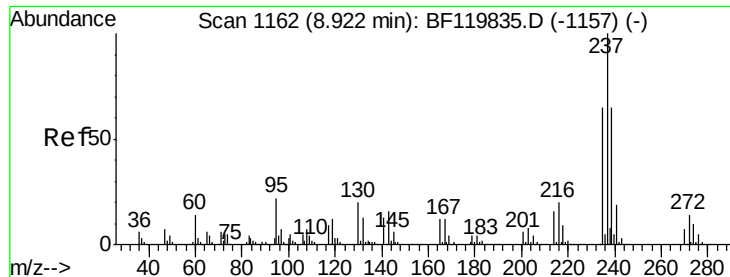
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.934 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.1	94.7
179	21.4	17.0	25.4
108	20.7	14.8	22.2





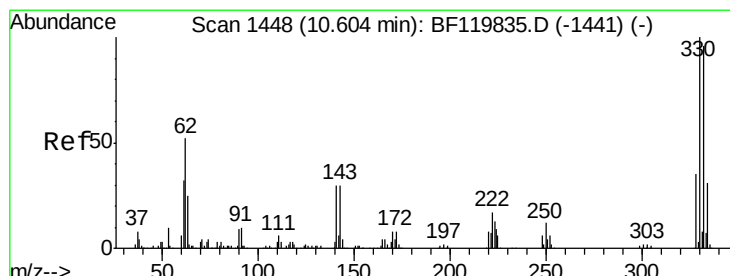
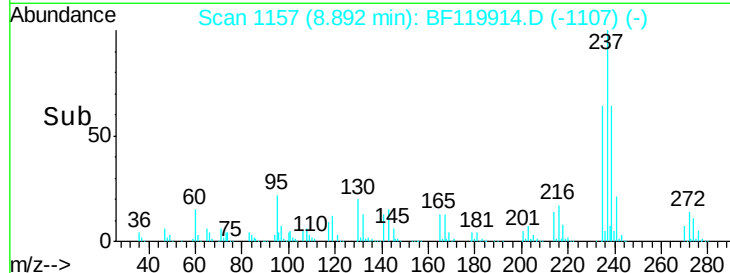
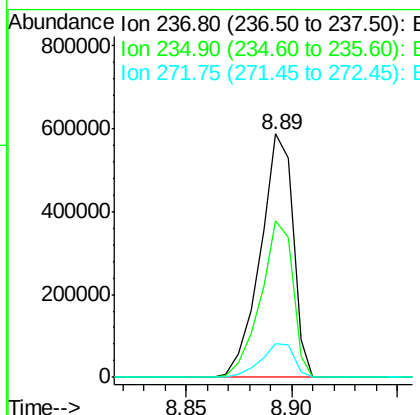
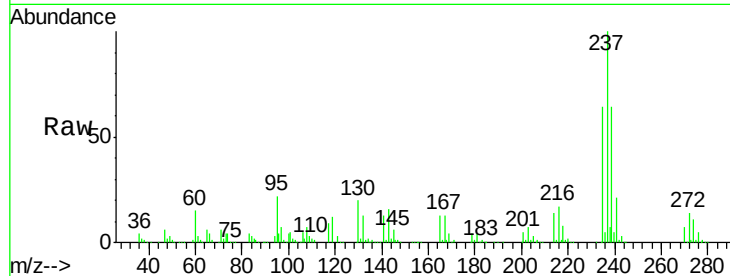
#41
Hexachlorocyclopentadiene
Concen: 76.984 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion:	237	Resp:	632032
Ion Ratio	Lower	Upper	
237	100		
235	64.5	44.9	84.9
272	13.9	0.0	33.6

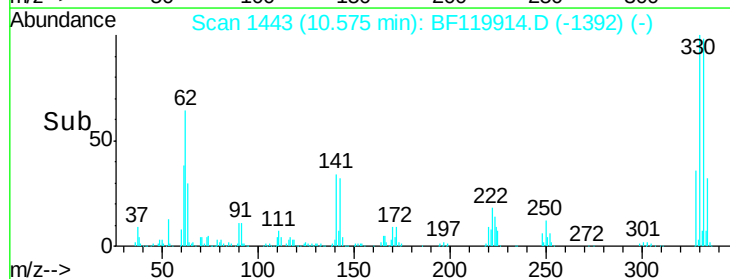
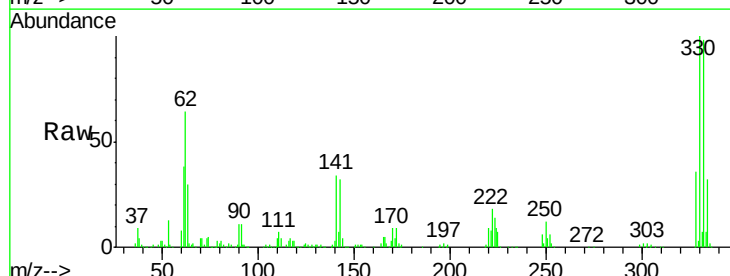
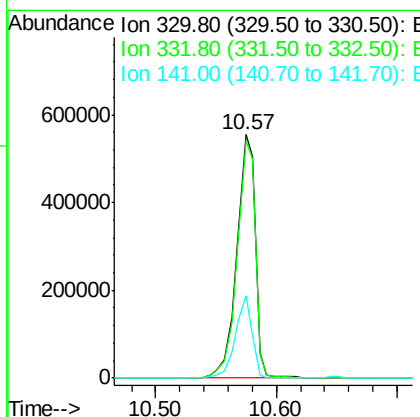
Manual Integrations
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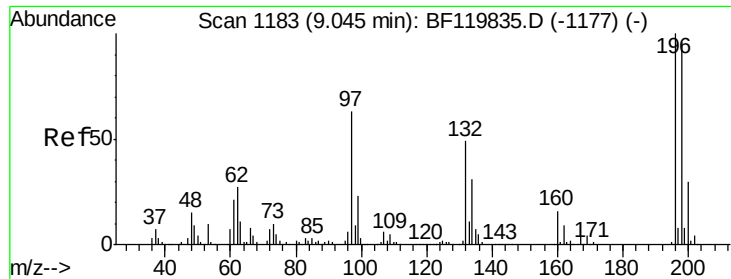
mohammad
4/14/2020 3:38:23 PM



#42
2,4,6-Tribromophenol
Concen: 106.538 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion:	330	Resp:	596260
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.8	115.2
141	30.7	25.1	37.7





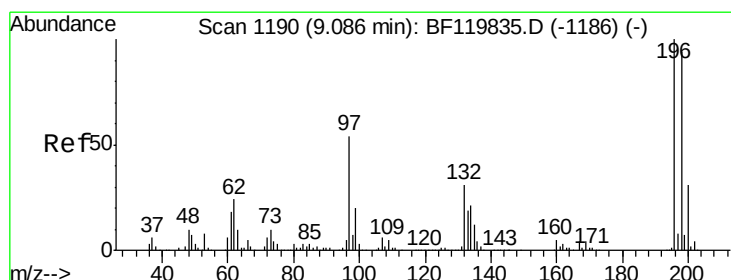
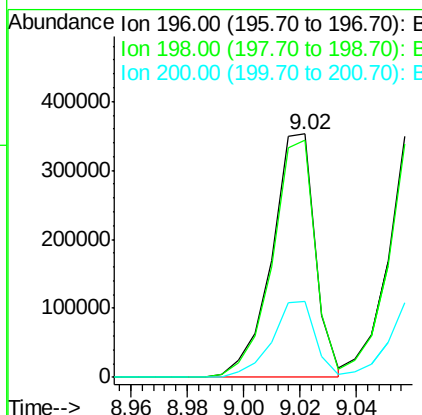
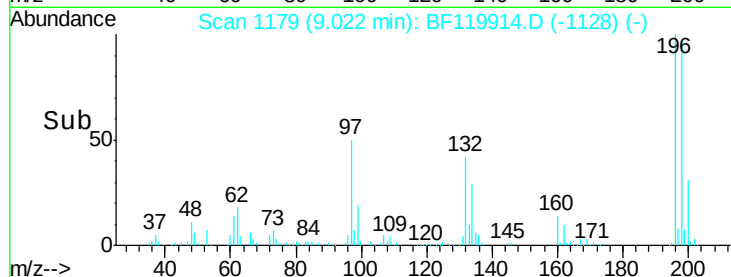
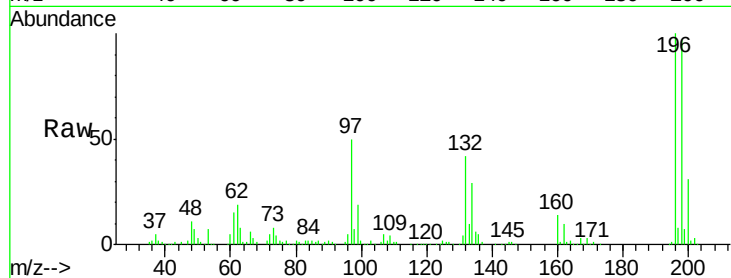
#43
 2,4,6-Trichlorophenol
 Concen: 37.807 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Tot Ion:	196	Resp:	376934
Ion Ratio	Lower	Upper	
196	100		
198	97.2	76.6	115.0
200	31.1	24.2	36.2

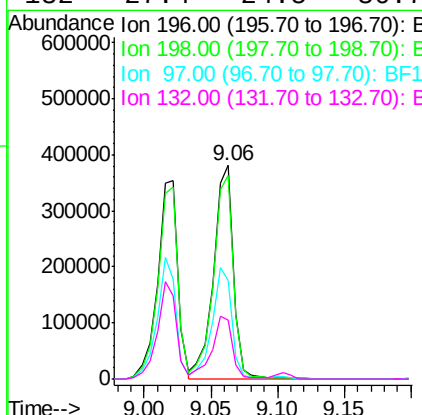
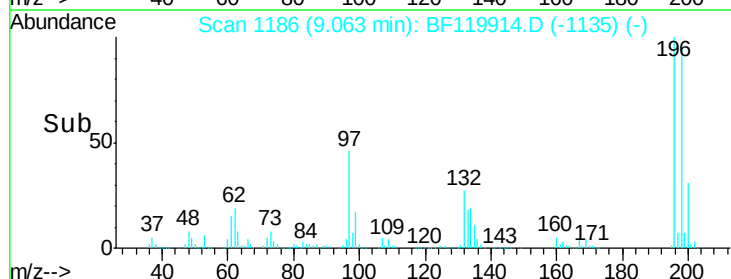
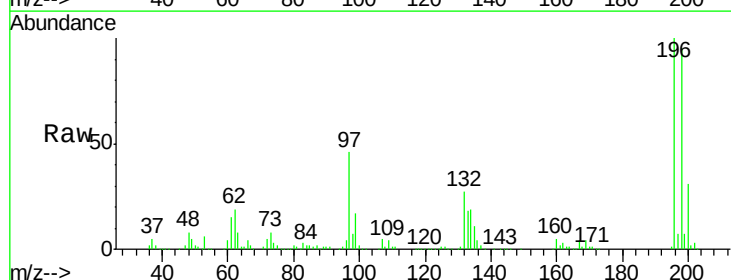
Manual Integrations
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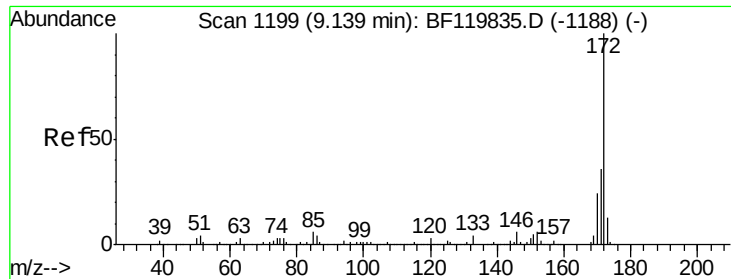
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 35.633 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion:	196	Resp:	400130
Ion Ratio	Lower	Upper	
196	100		
198	95.5	75.1	112.7
97	45.9	43.4	65.2
132	27.4	24.5	36.7





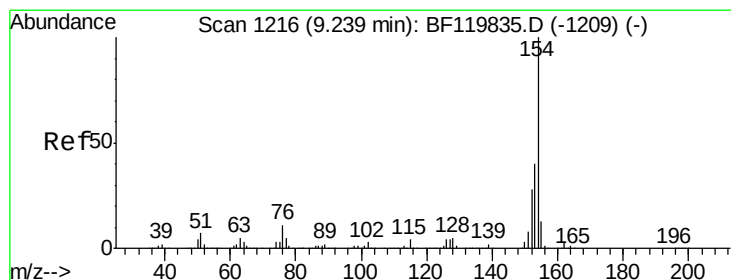
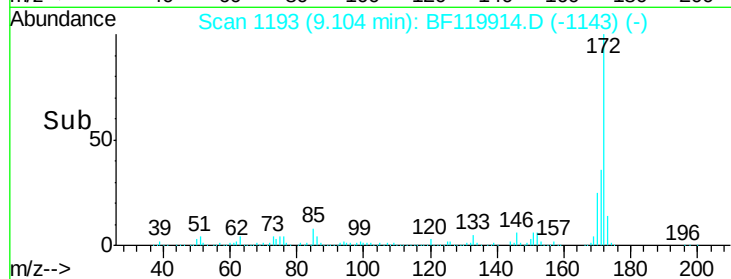
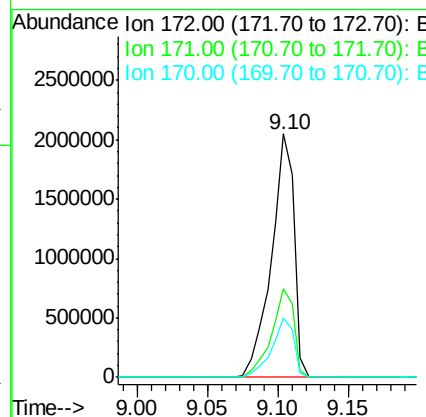
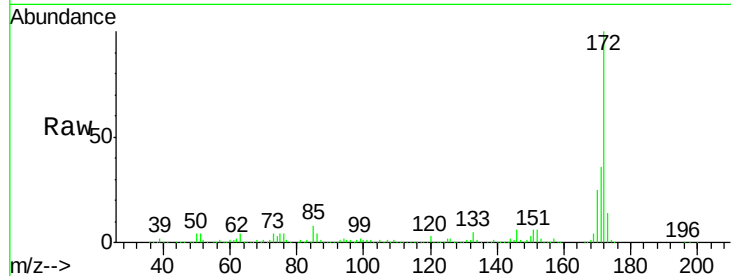
#45
2-Fluorobiphenyl
Concen: 71.673 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampled :
PB128139BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	24.5	19.4	29.2

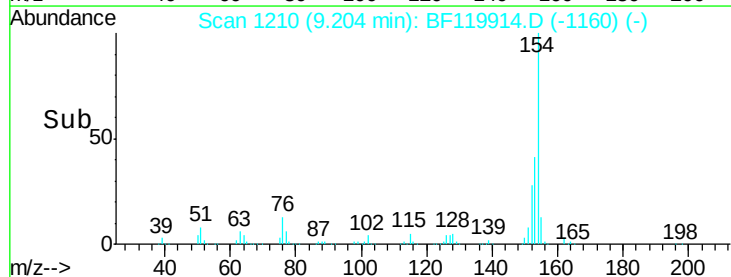
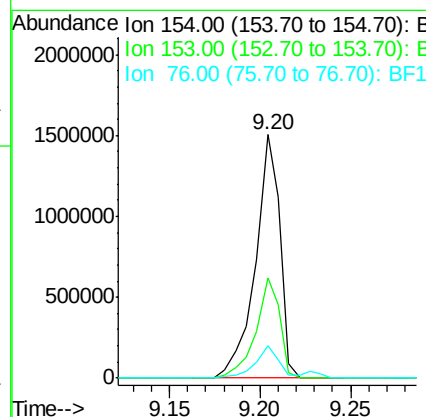
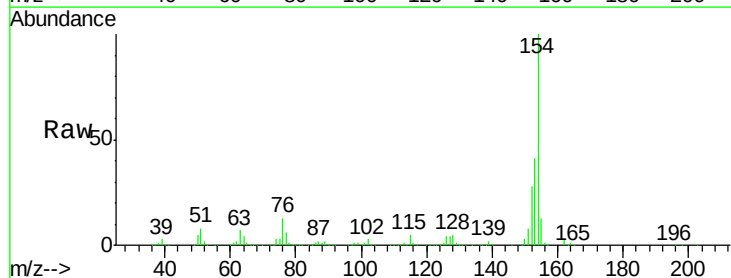
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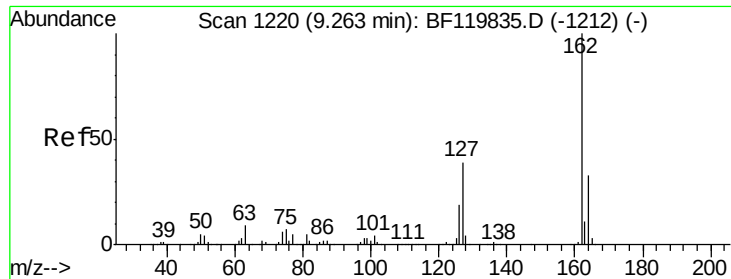
mohammad
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#46
1,1'-Biphenyl
Concen: 36.439 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	13.4	0.0	30.6





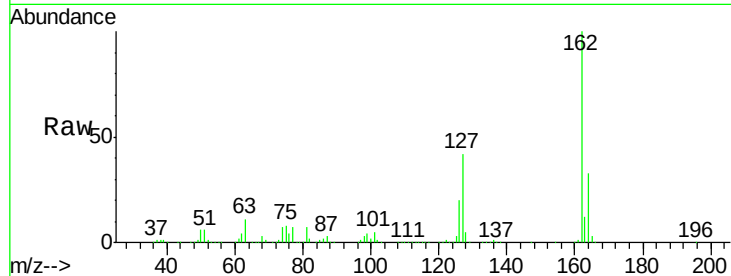
#47
 2-Chloronaphthalene
 Concen: 36.813 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

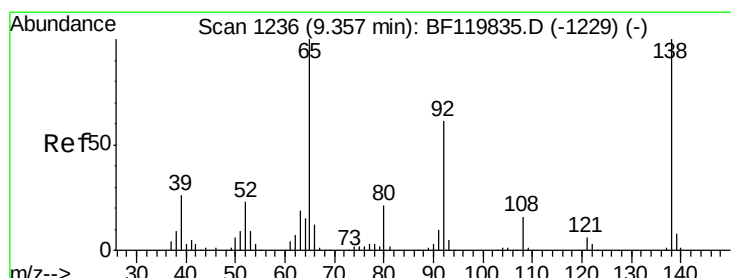
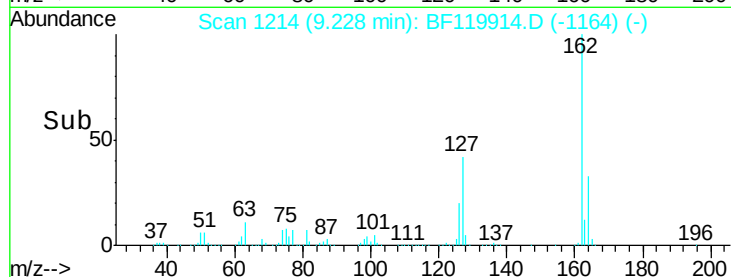
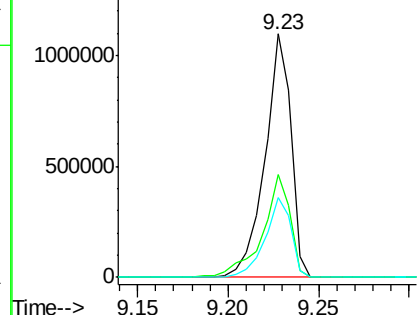
Tot Ion	Ion	Ratio	Lower	Upper
162	100			
127	42.3	31.2	46.8	
164	33.0	26.3	39.5	

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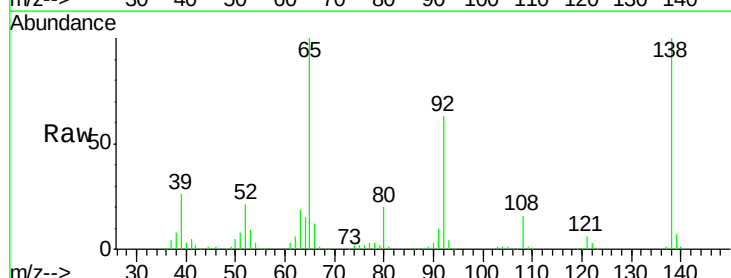


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

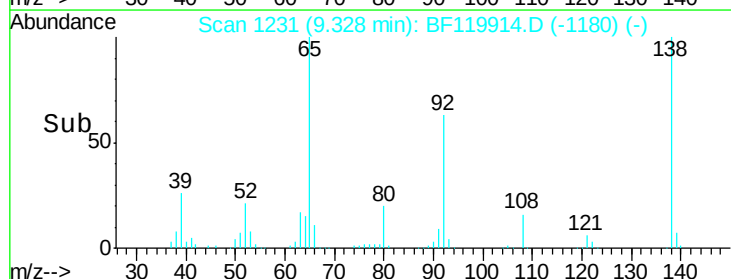
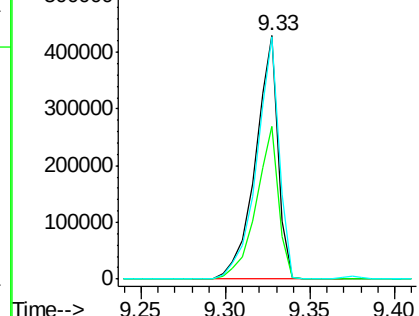


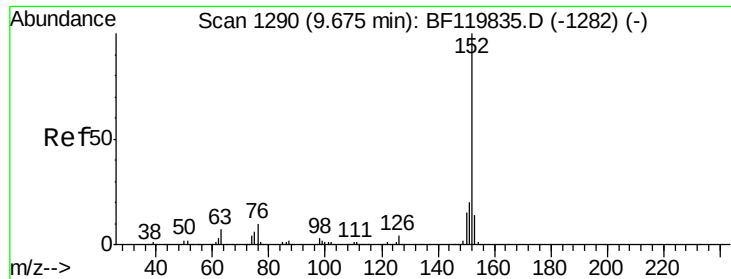
#48
 2-Nitroaniline
 Concen: 37.488 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
92	62.7	49.0	73.6	
138	99.6	79.7	119.5	



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





#49

Acenaphthylene

Concen: 38.215 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:152 Resp: 1727440

Ion Ratio Lower Upper

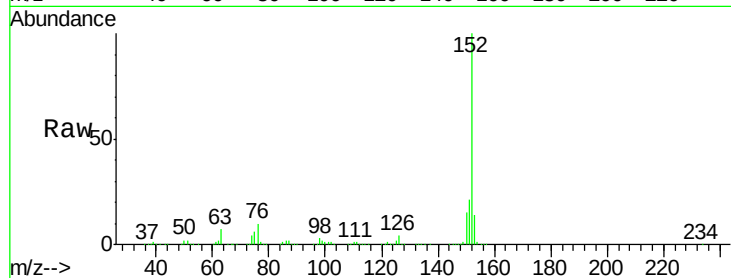
152 100

151 21.3 16.2 24.4

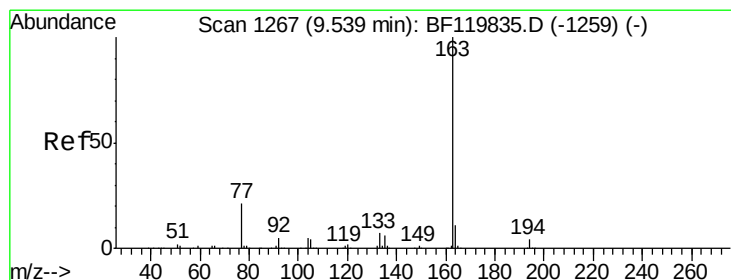
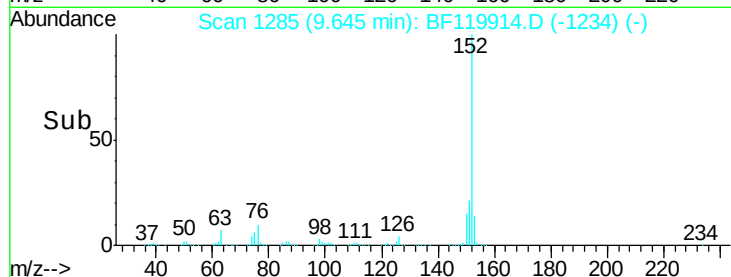
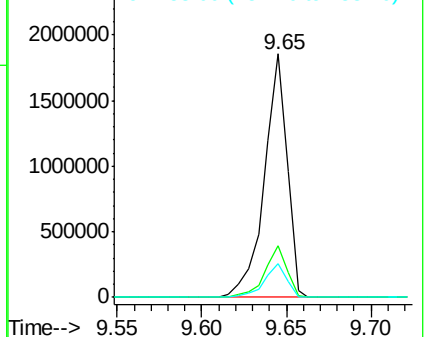
153 13.7 10.9 16.3

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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: 37.191 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

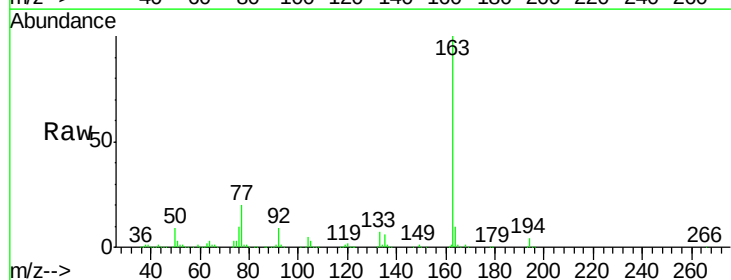
Tgt Ion:163 Resp: 1314970

Ion Ratio Lower Upper

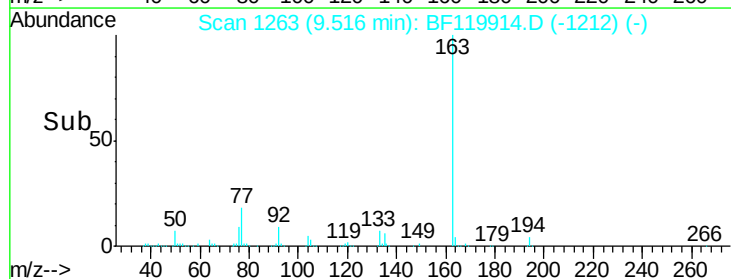
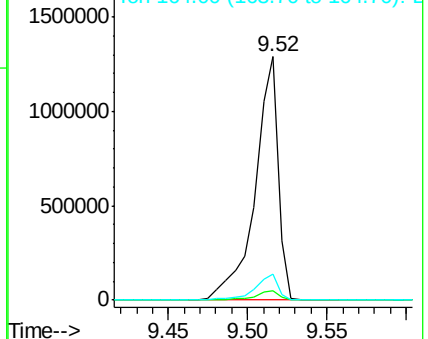
163 100

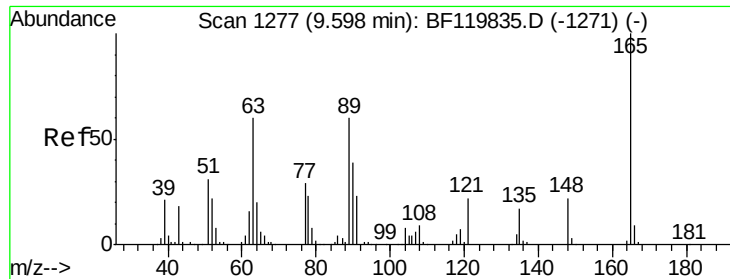
194 3.9 3.0 4.4

164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





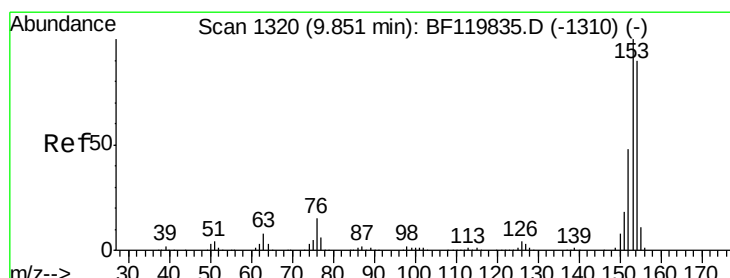
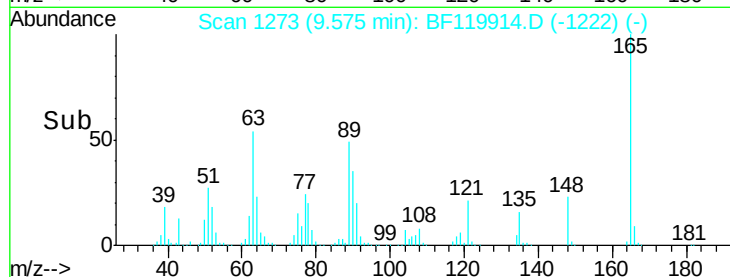
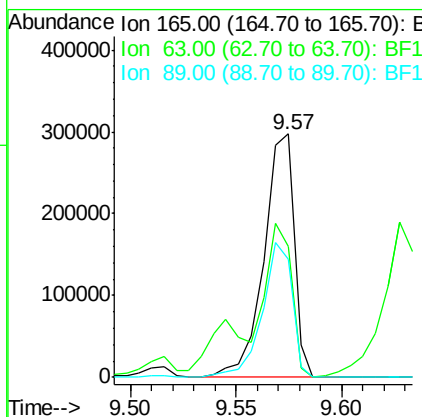
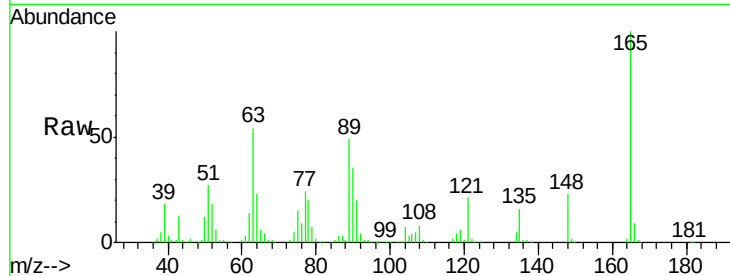
#51
 2,6-Dinitrotoluene
 Concen: 38.562 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampled :
 PB128139BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	298576		
63	53.7		55.6	83.4#
89	48.7		47.9	71.9

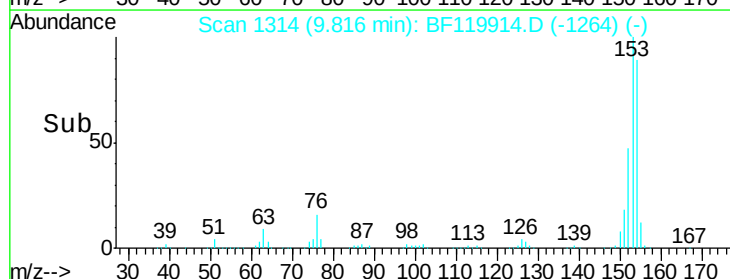
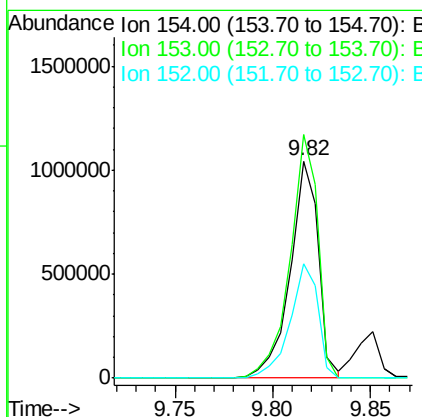
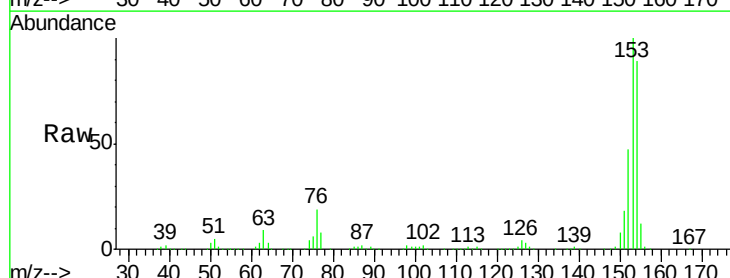
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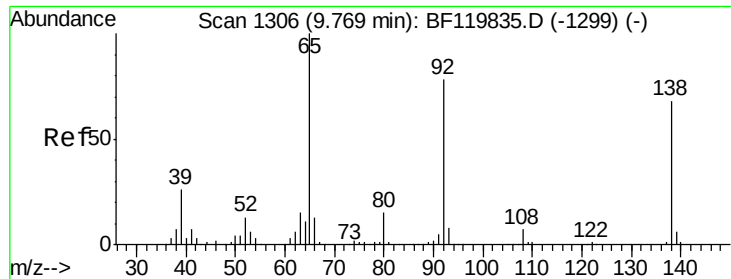
mohammad
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#52
 Acenaphthene
 Concen: 34.699 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1046293		
153	112.1		88.8	133.2
152	52.8		42.4	63.6





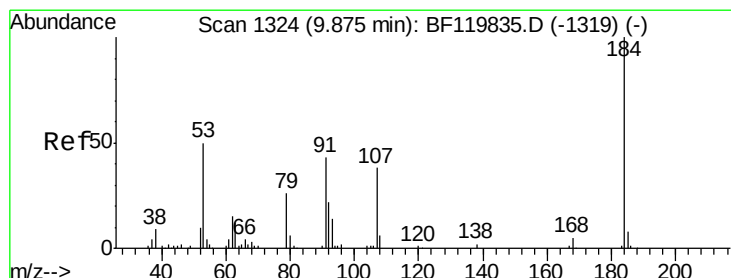
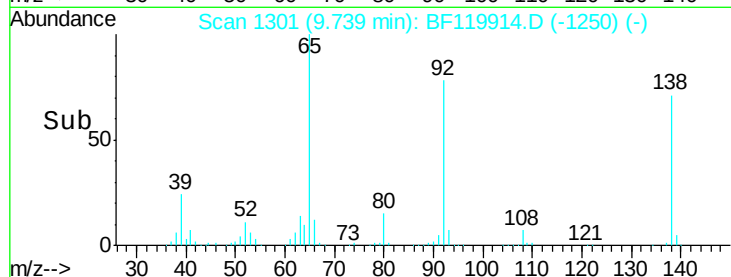
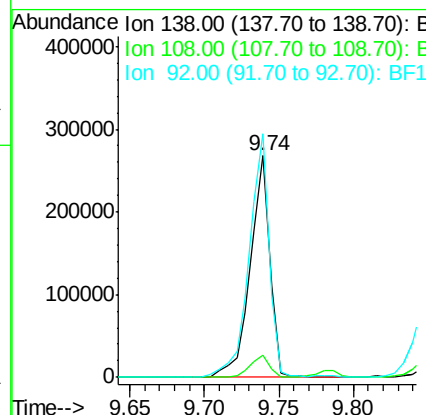
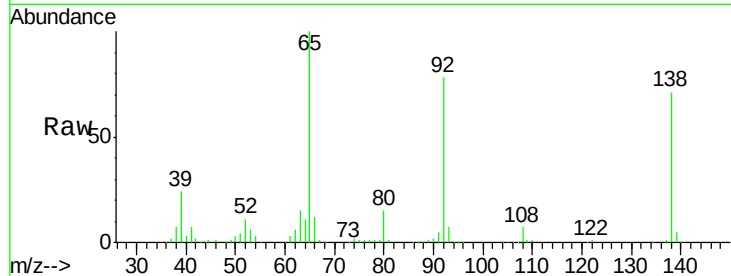
#53
3-Nitroaniline
Concen: 27.539 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	243526		
108	10.2	8.0	12.0	
92	110.0	92.1	138.1	

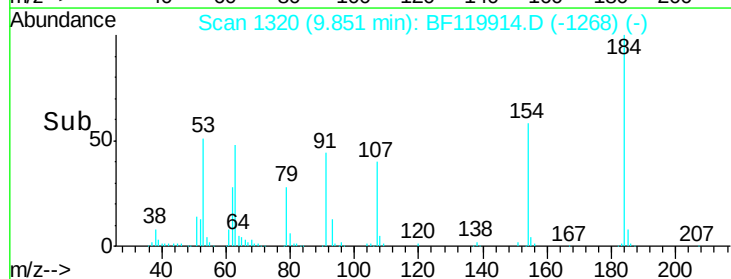
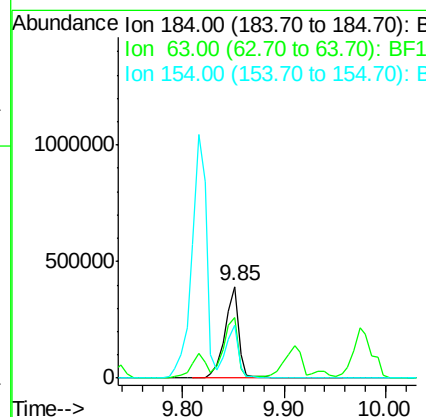
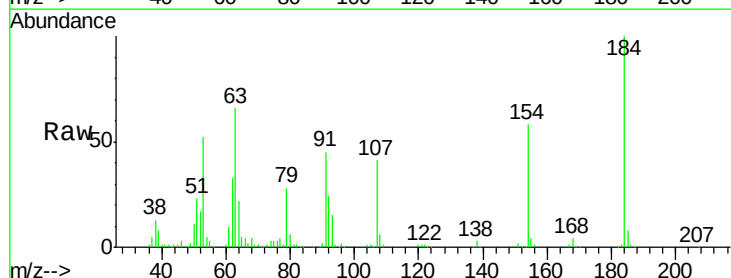
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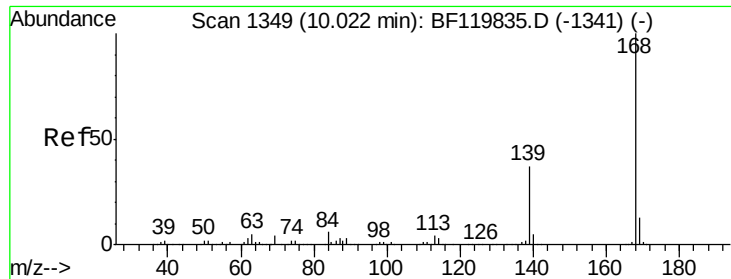
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#54
2,4-Dinitrophenol
Concen: 81.126 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	376066		
63	65.6	49.8	74.6	
154	57.6	46.5	69.7	





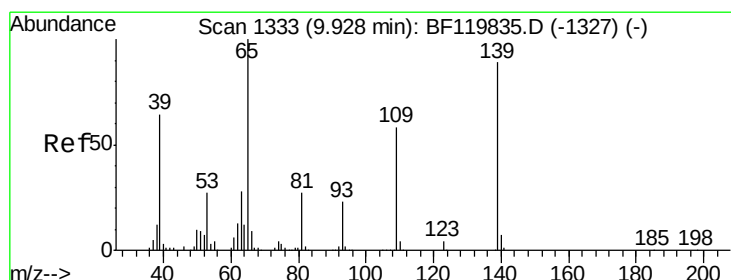
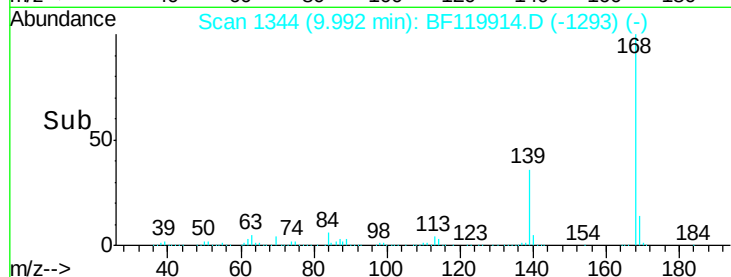
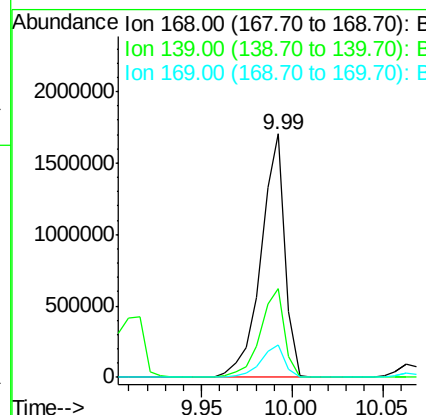
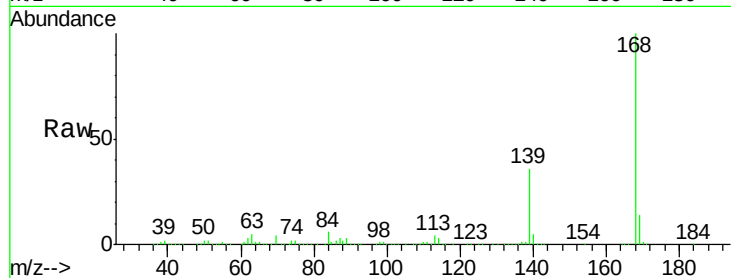
#55
Dibenzofuran
Concen: 37.615 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.8	44.6
169	13.6	10.6	15.8

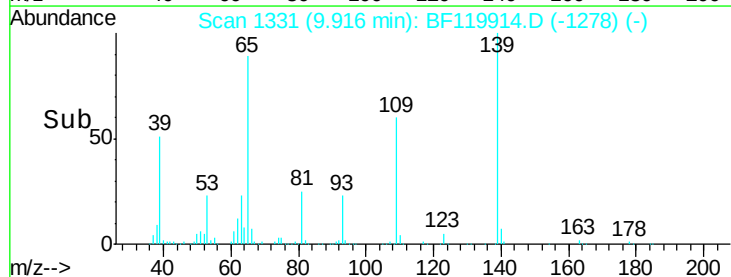
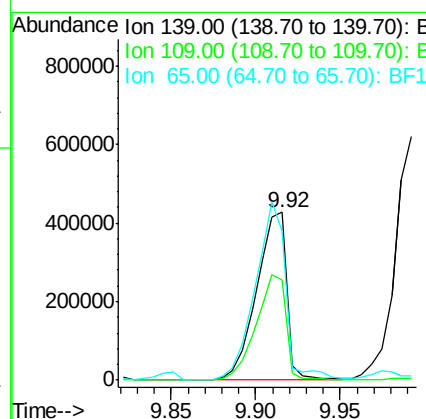
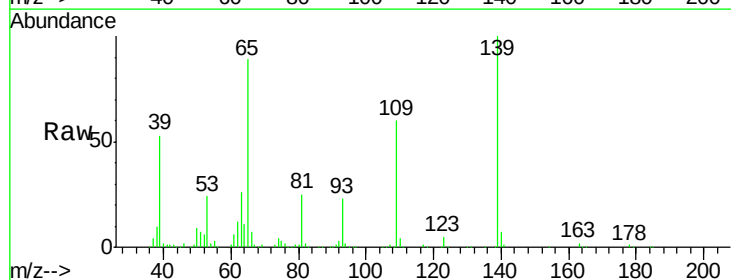
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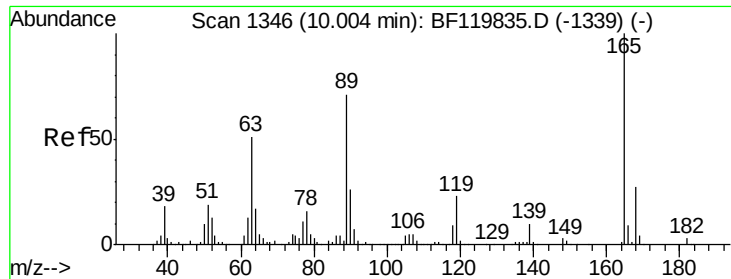
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#56
4-Nitrophenol
Concen: 80.637 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	59.5	45.5	85.5
65	88.6	92.3	132.3#





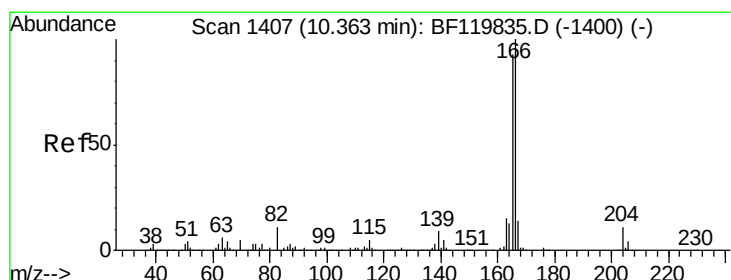
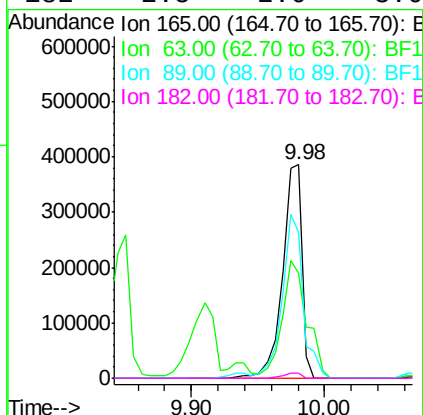
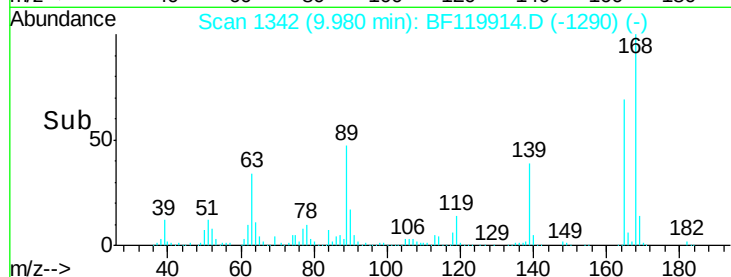
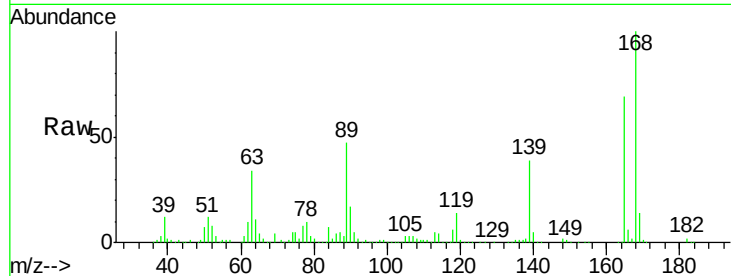
#57
2,4-Dinitrotoluene
Concen: 38.897 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		396798		
63	49.3	40.8	61.2		
89	68.4	56.9	85.3		
182	2.5	2.0	3.0		

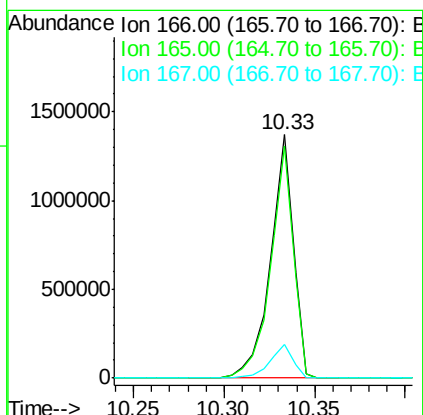
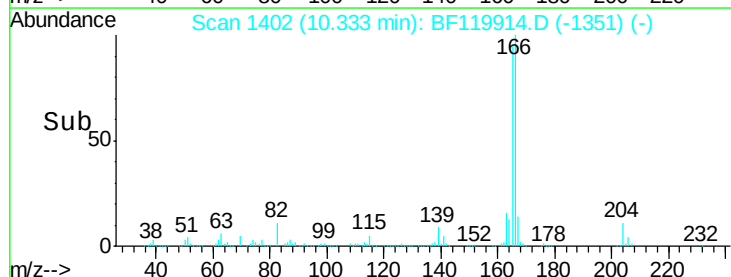
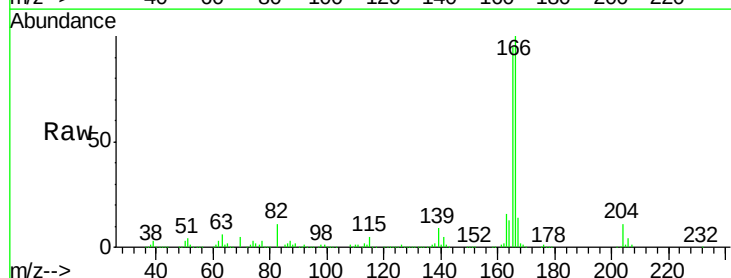
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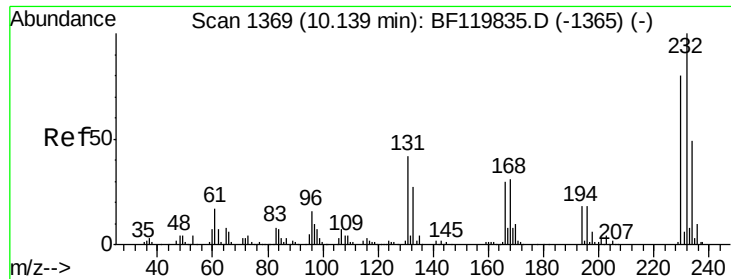
mohammad
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#58
Fluorene
Concen: 36.384 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1204012		
165	95.1	74.2	111.2		
167	14.0	10.8	16.2		





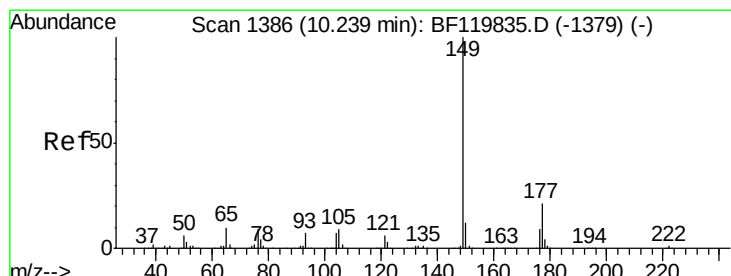
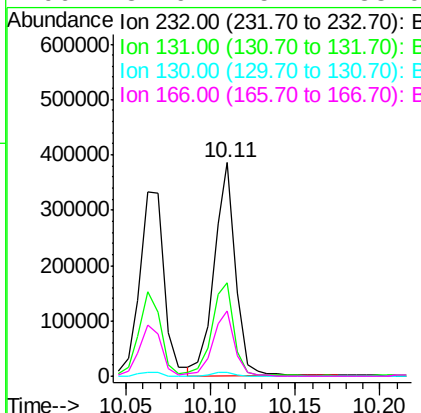
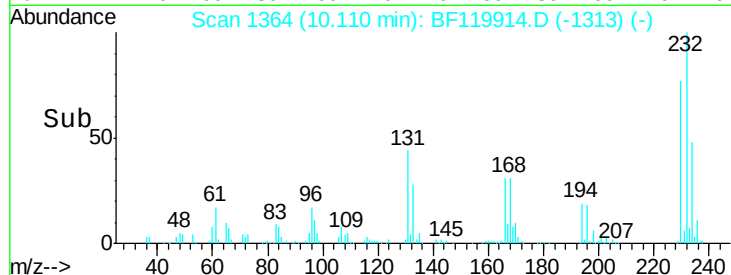
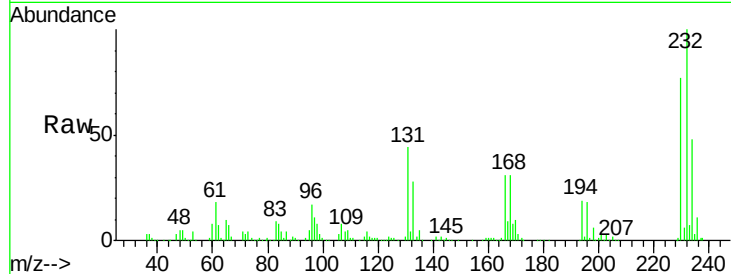
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.471 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		338984		
131	47.5	37.9	56.9		
130	2.1	1.8	2.6		
166	31.9	25.4	38.0		

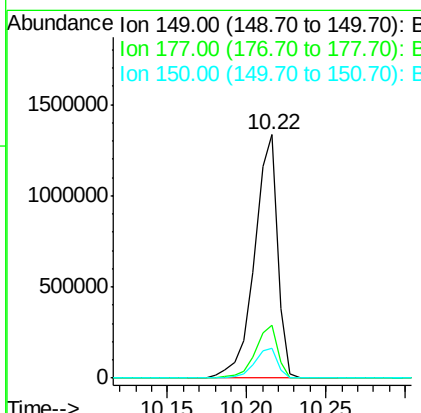
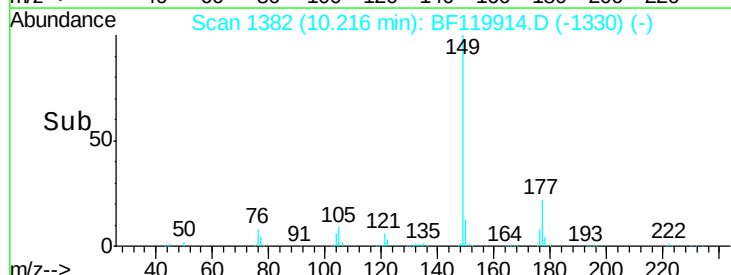
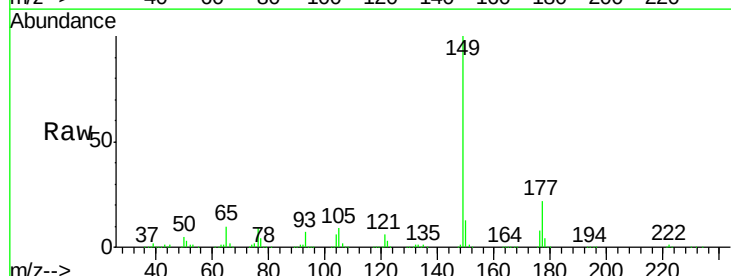
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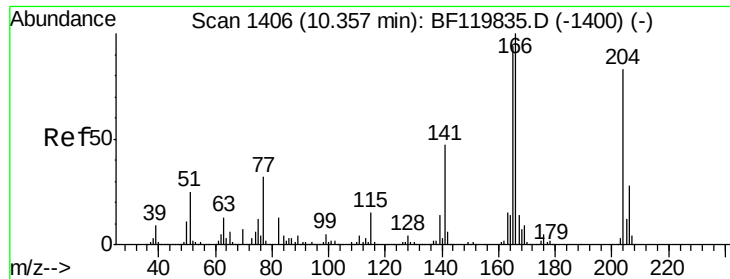
mohammad
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#60
 Diethylphthalate
 Concen: 36.926 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		1353178		
177	21.9	16.8	25.2		
150	12.5	9.8	14.6		





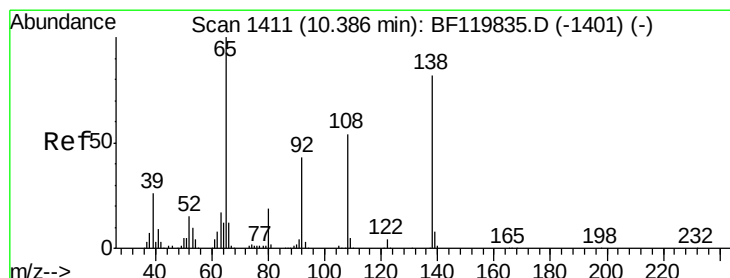
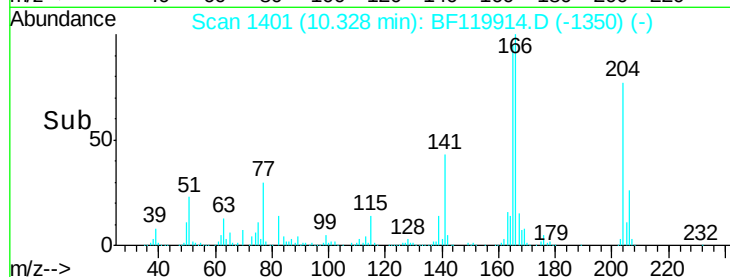
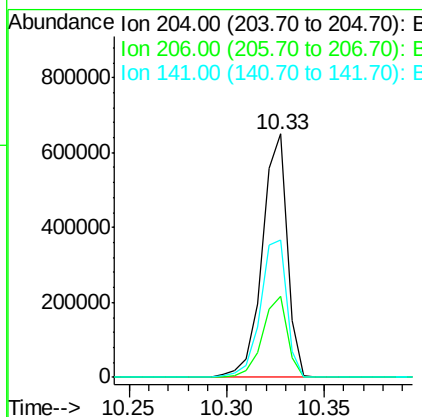
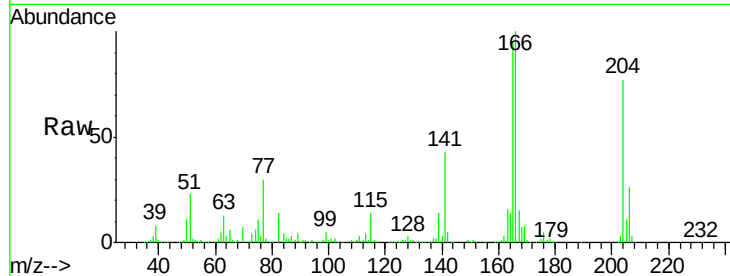
#61
 4-Chlorophenyl-phenylether
 Concen: 34.070 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Tot Ion:	204	Resp:	577851
Ion Ratio	Lower	Upper	
204	100		
206	33.4	26.7	40.1
141	56.5	45.8	68.8

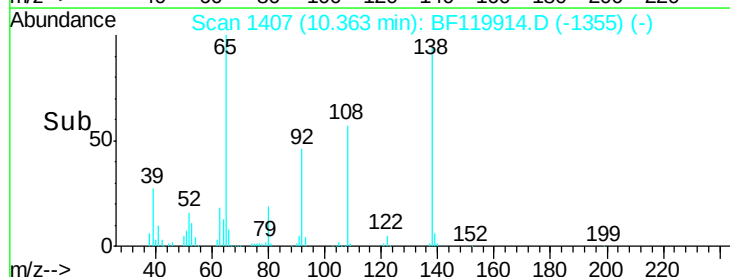
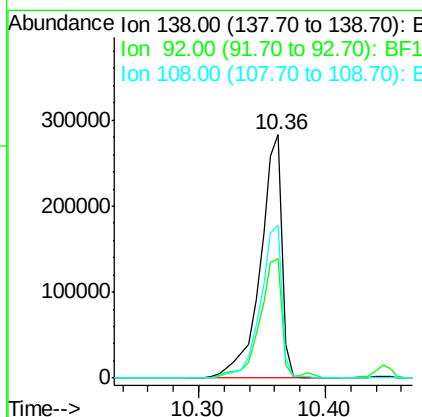
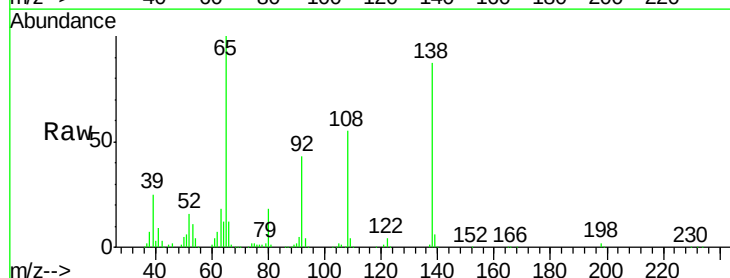
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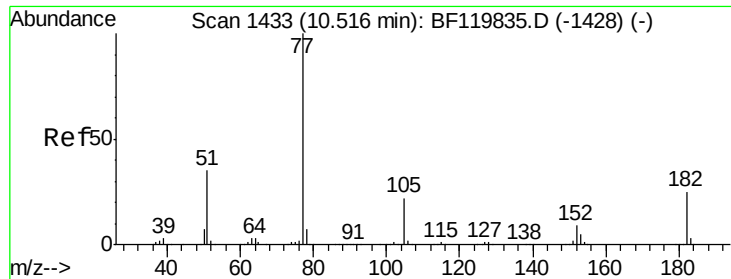
mohammad
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#62
 4-Nitroaniline
 Concen: 39.772 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. 0.01 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion:	138	Resp:	335172
Ion Ratio	Lower	Upper	
138	100		
92	49.2	31.6	71.6
108	62.9	45.2	85.2





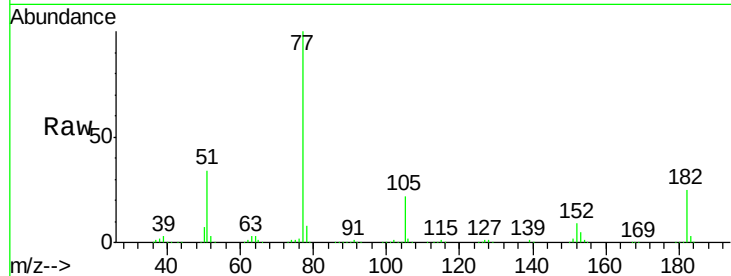
#63
Azobenzene
Concen: 38.772 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.8	4.5	44.5
105	22.3	2.2	42.2
51	33.7	15.1	55.1

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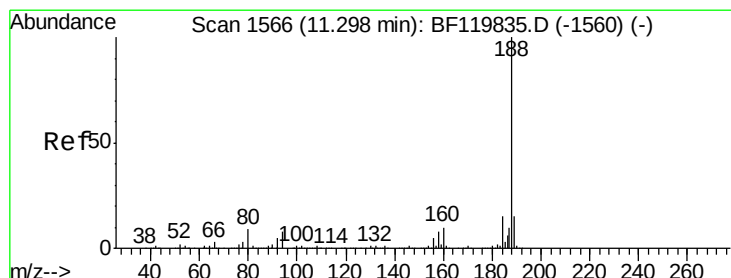
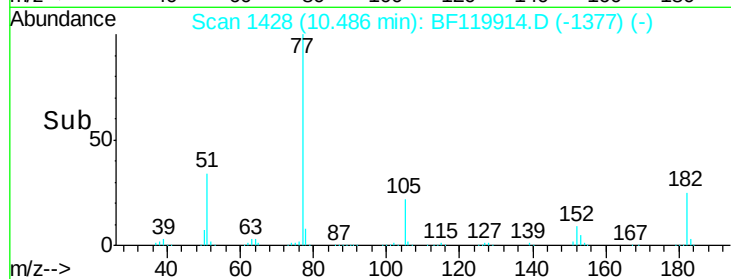
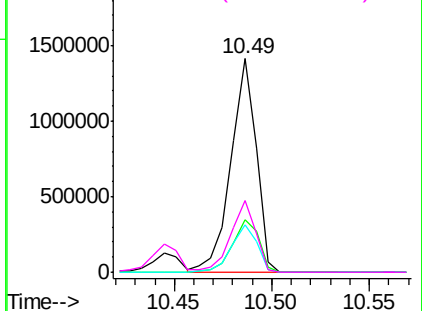


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

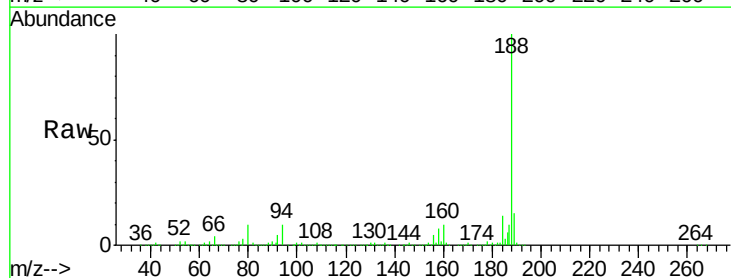
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

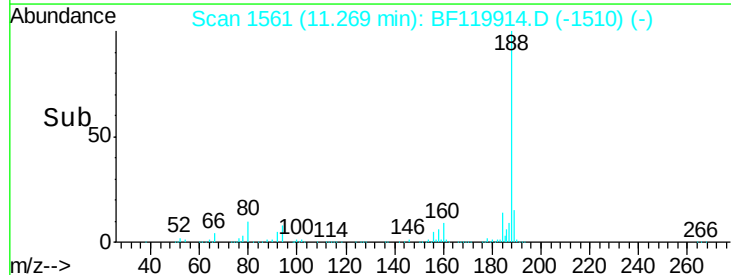
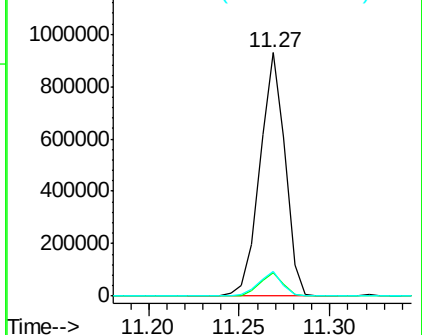
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	6.7	10.1
80	10.0	7.4	11.2

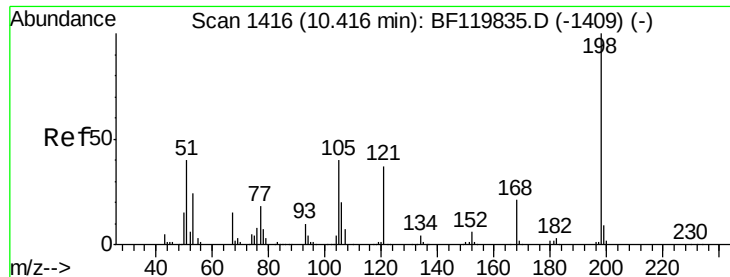


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 40.511 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:198 Resp: 238654

Ion Ratio Lower Upper

198 100

51 58.2 25.2 65.2

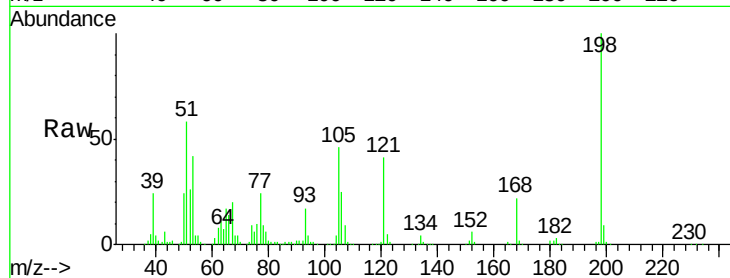
105 45.9 20.8 60.8

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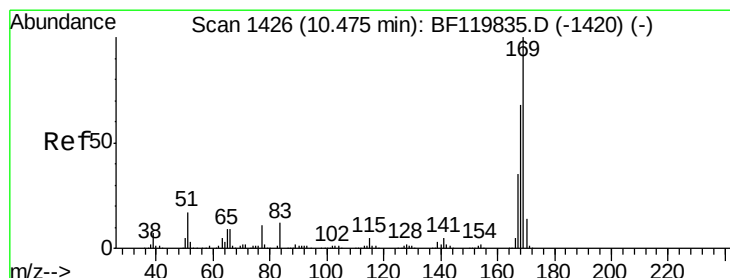
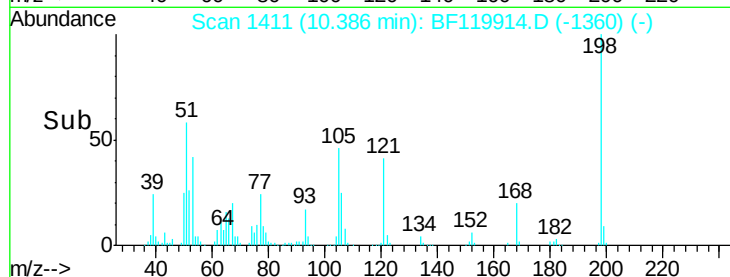
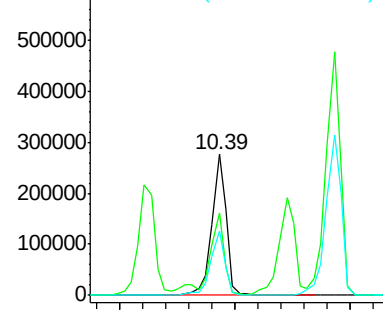
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 37.860 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

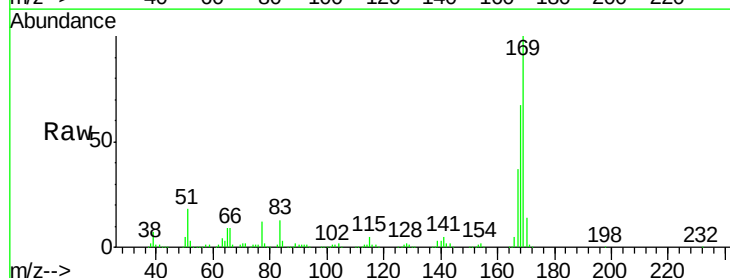
Tgt Ion:169 Resp: 1125905

Ion Ratio Lower Upper

169 100

168 67.4 54.2 81.4

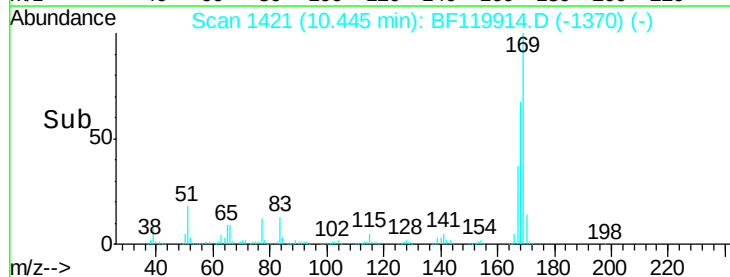
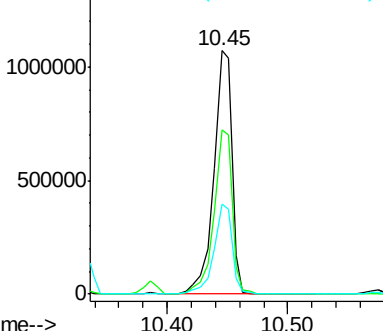
167 36.9 28.3 42.5

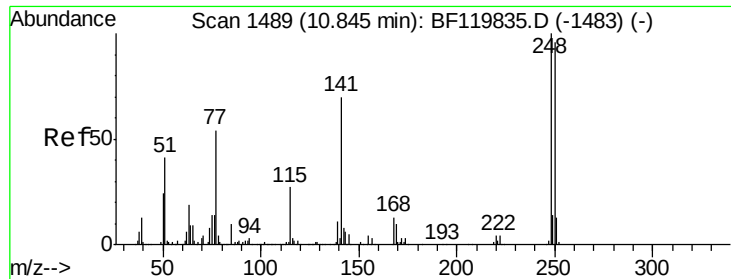


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





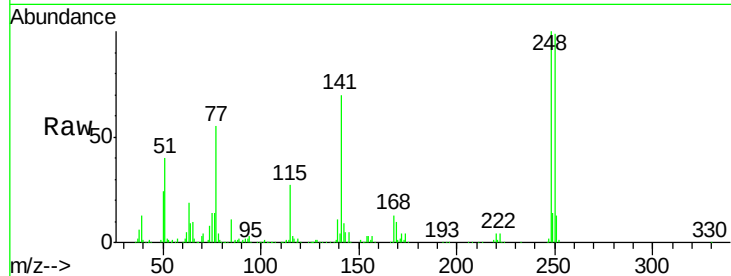
#67
 4-Bromophenyl-phenylether
 Concen: 34.800 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

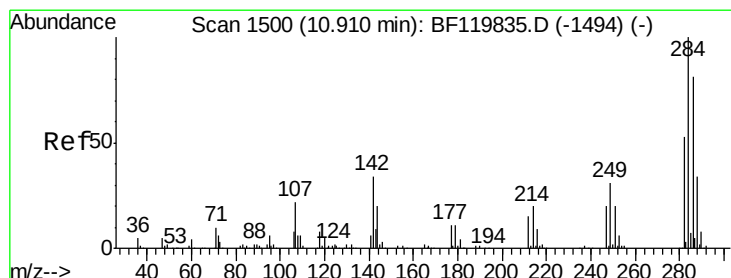
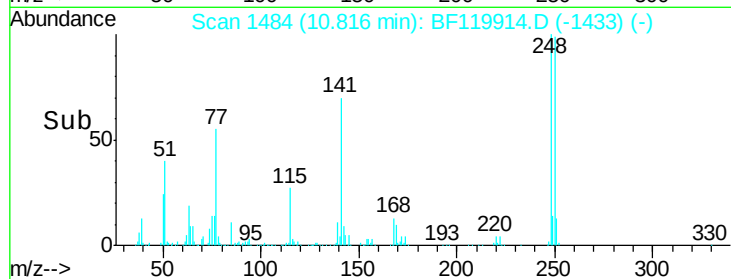
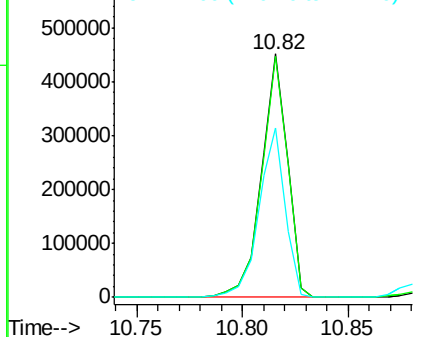
Tot Ion	Ratio	Lower	Upper
248	100		
250	98.9	76.6	114.8
141	69.8	55.9	83.9

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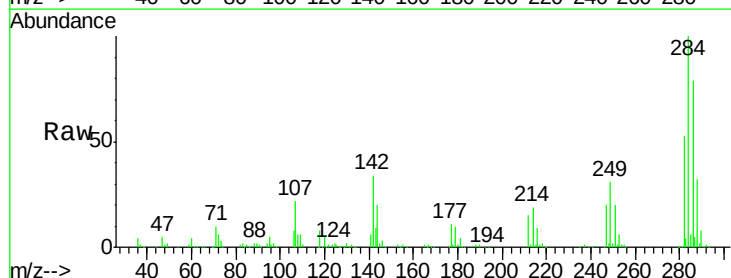


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

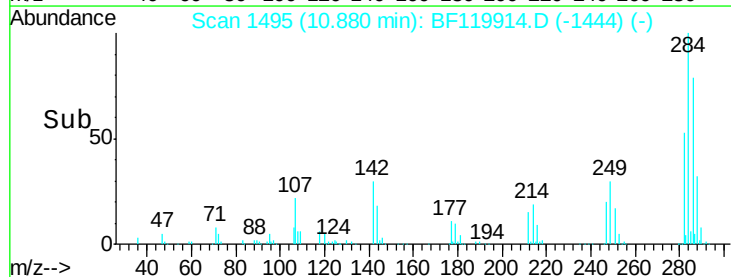
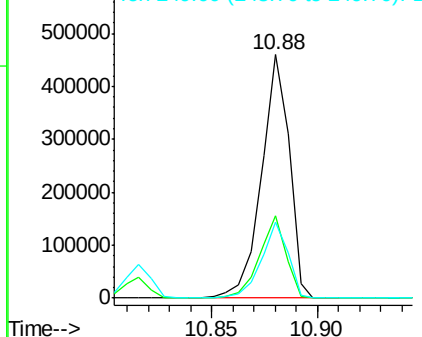


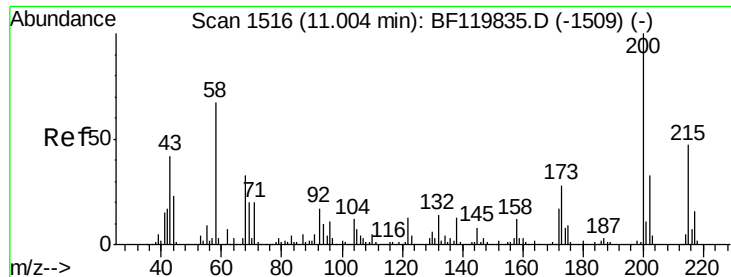
#68
 Hexachlorobenzene
 Concen: 37.385 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.7	26.9	40.3
249	31.2	24.6	37.0



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





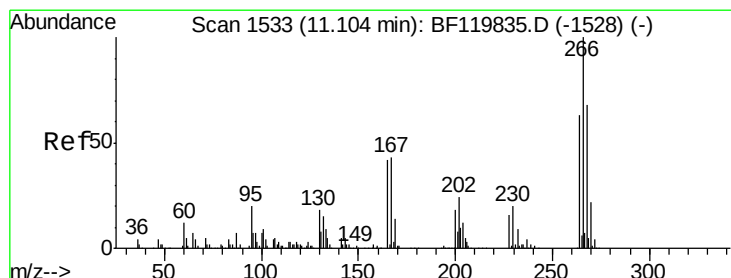
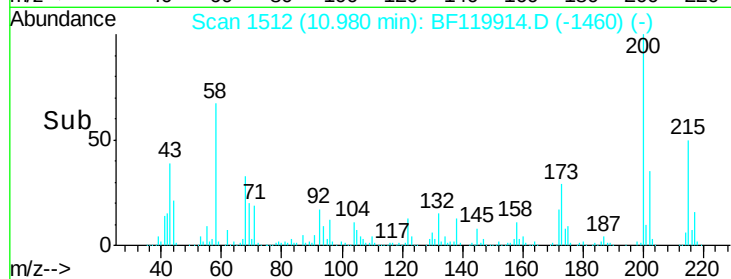
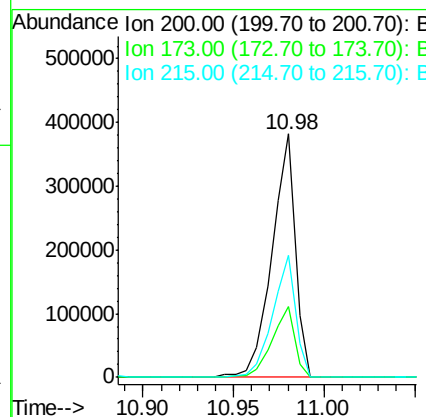
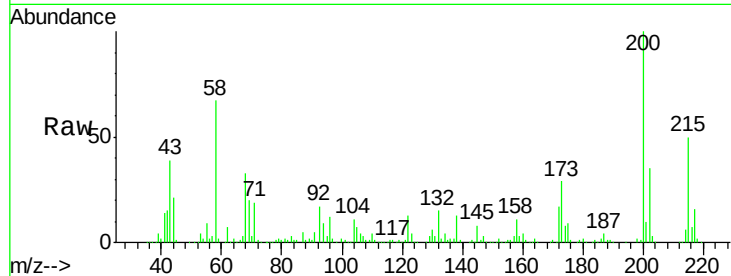
#69
Atrazine
Concen: 41.321 ng
RT: 10.98 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	29.2	8.0	48.0
215	49.9	27.1	67.1

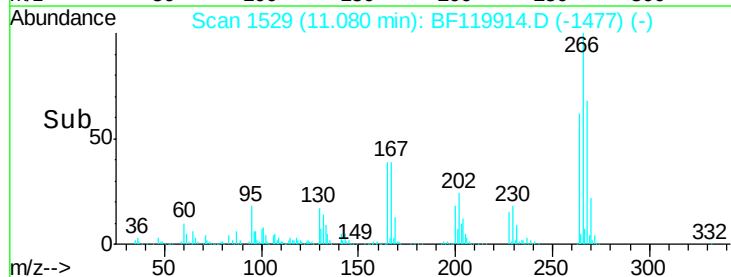
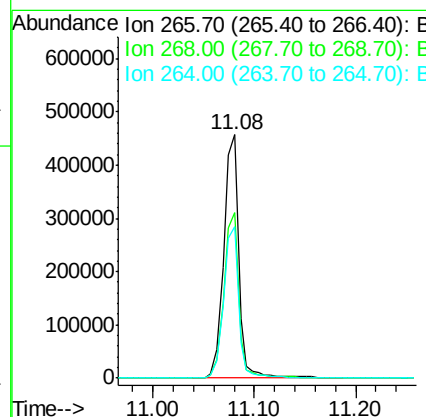
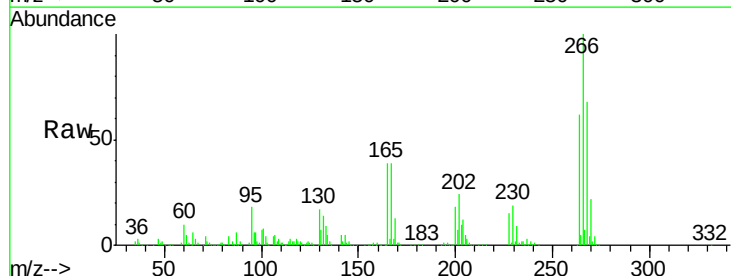
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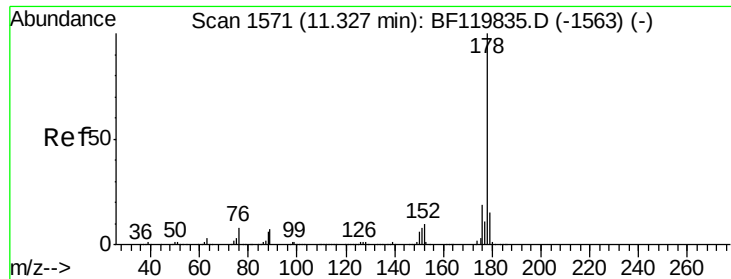
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#70
Pentachlorophenol
Concen: 72.860 ng
RT: 11.08 min Scan# 1529
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	68.0	54.2	81.4
264	62.4	50.6	76.0





#71

Phenanthrene

Concen: 37.407 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:178 Resp: 1780201

Ion Ratio Lower Upper

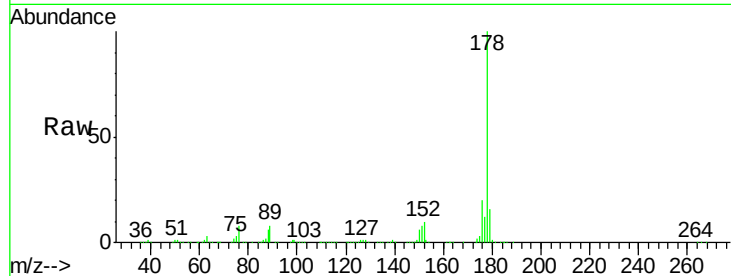
178 100

176 19.7 15.1 22.7

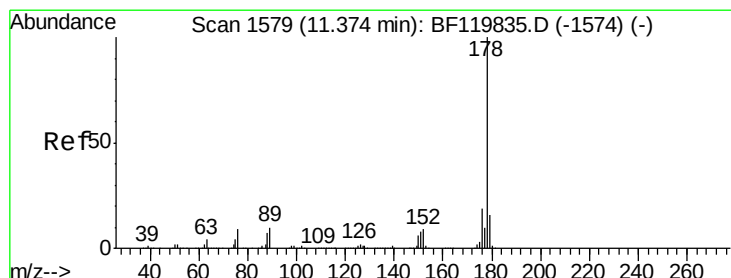
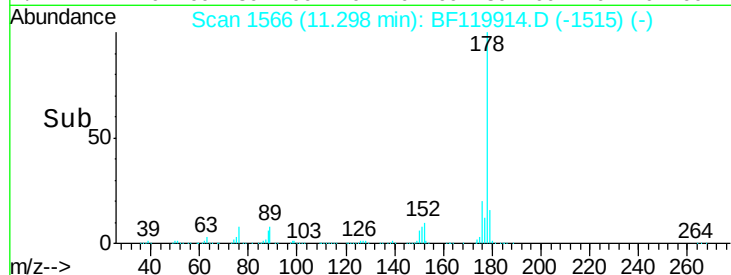
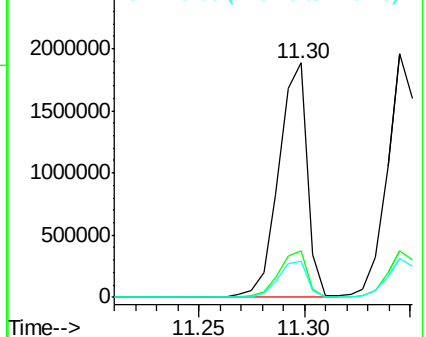
179 15.6 12.2 18.4

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 37.639 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Tgt Ion:178 Resp: 1829869

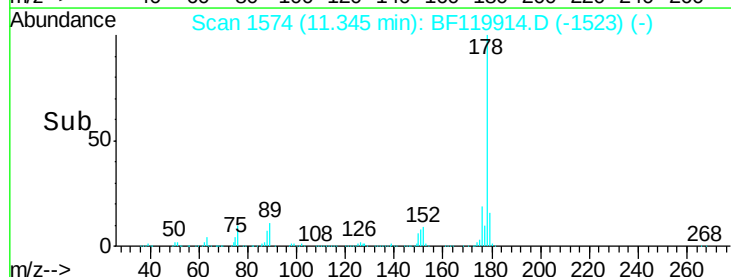
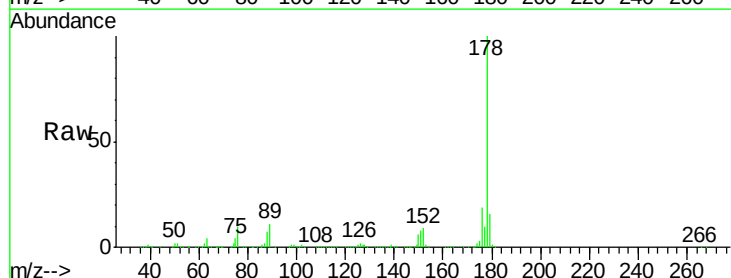
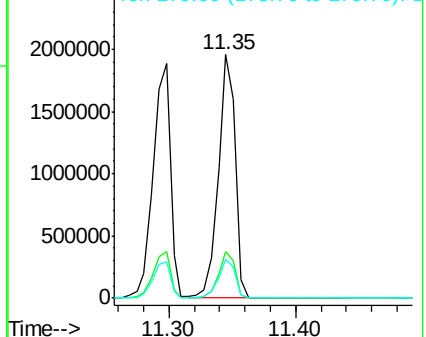
Ion Ratio Lower Upper

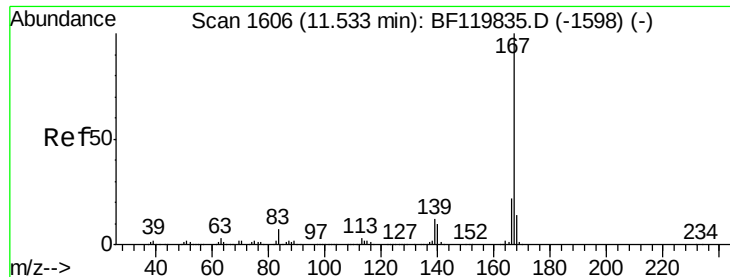
178 100

176 19.2 15.4 23.2

179 16.0 12.8 19.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





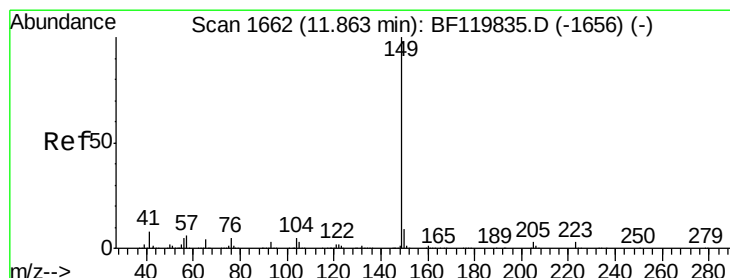
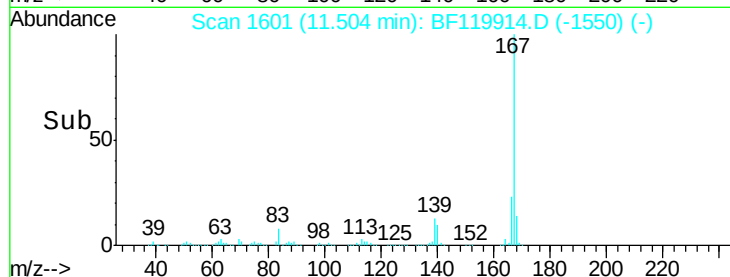
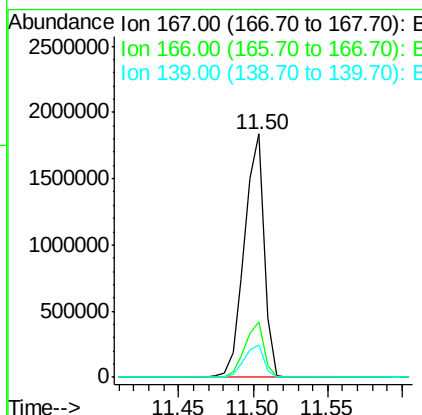
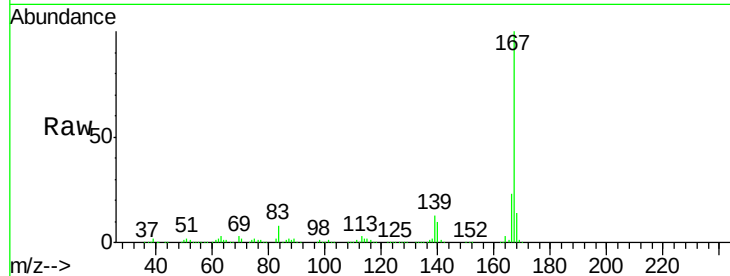
#73
 Carbazole
 Concen: 36.680 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Instrument :
 BNA_F
 ClientSampleId :
 PB128139BS

Tot Ion:167 Resp: 1686363
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.0
 139 13.2 9.8 14.8

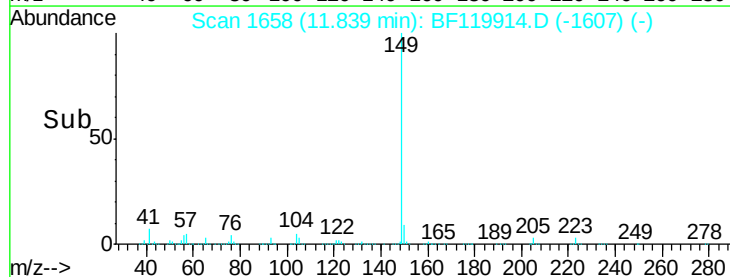
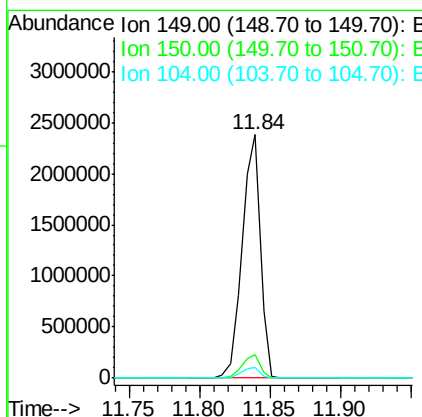
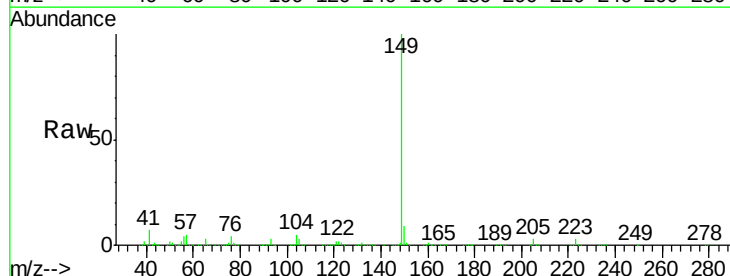
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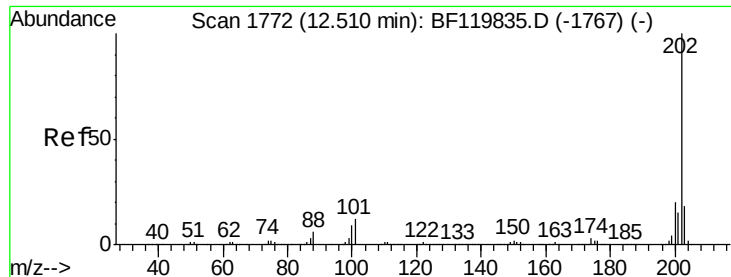
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#74
 Di-n-butylphthalate
 Concen: 35.326 ng
 RT: 11.84 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: BF119914.D
 Acq: 13 Apr 2020 14:16

Tgt Ion:149 Resp: 2135030
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 4.5 3.8 5.6





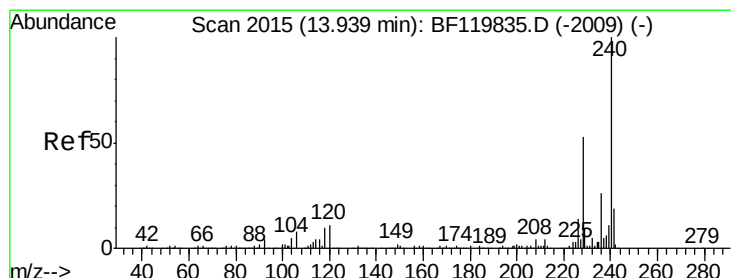
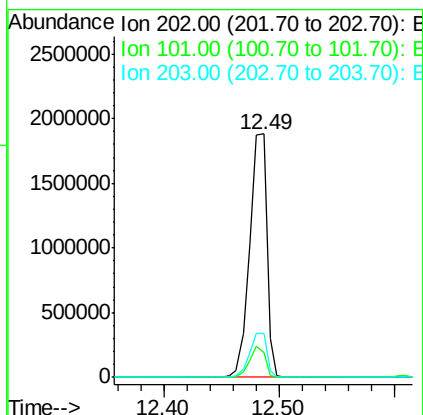
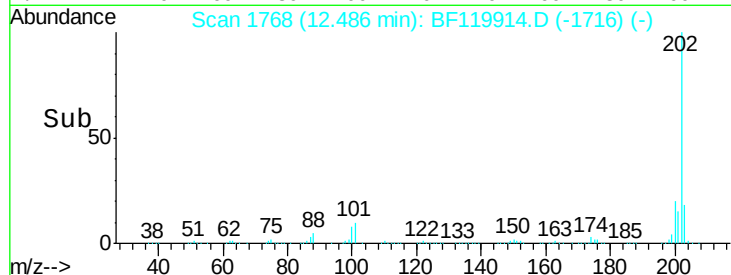
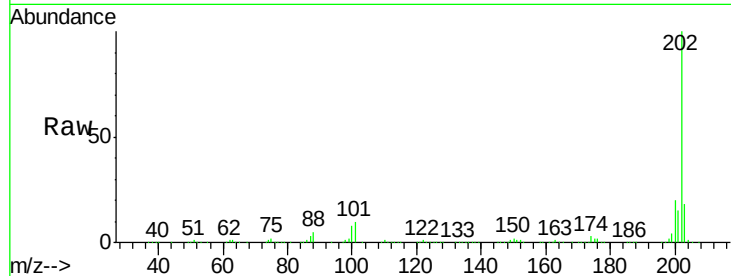
#75
Fluoranthene
Concen: 37.930 ng
RT: 12.49 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	32.3
203	18.1	0.0	37.6

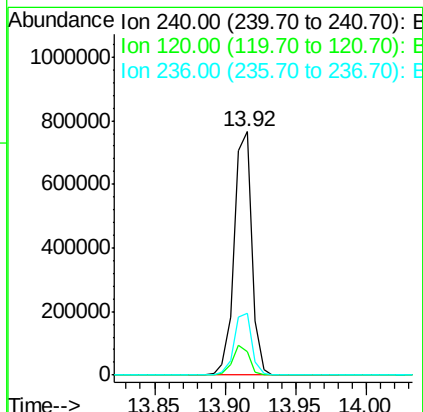
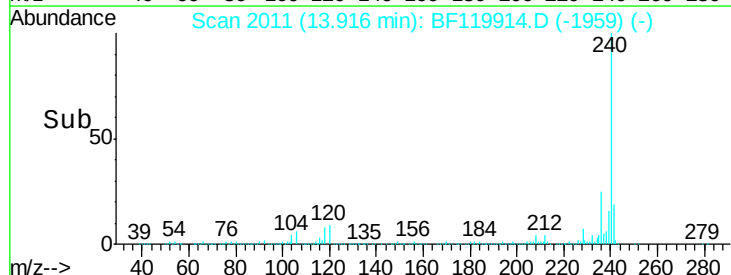
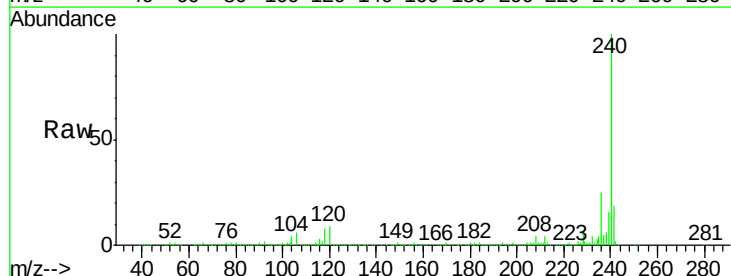
Manual Integrations
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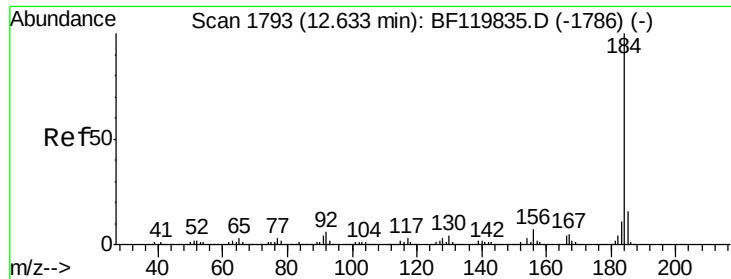
mohammad
4/14/2020 3:38:23 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.0	13.6
236	25.2	20.7	31.1





#77

Benzidine

Concen: 57.966 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:184 Resp: 1304334

Ion Ratio Lower Upper

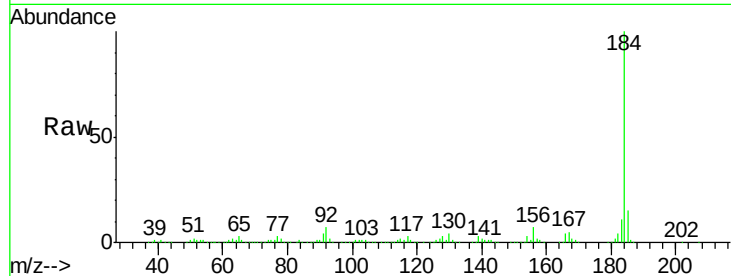
184 100

185 14.7 13.2 19.8

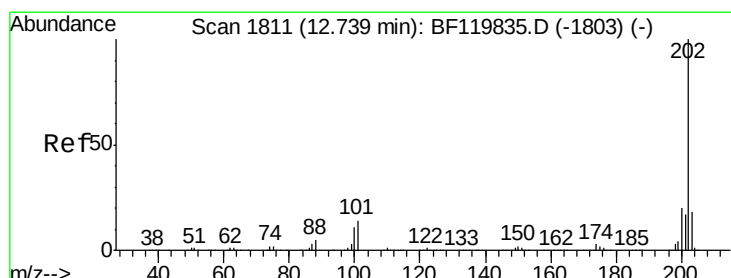
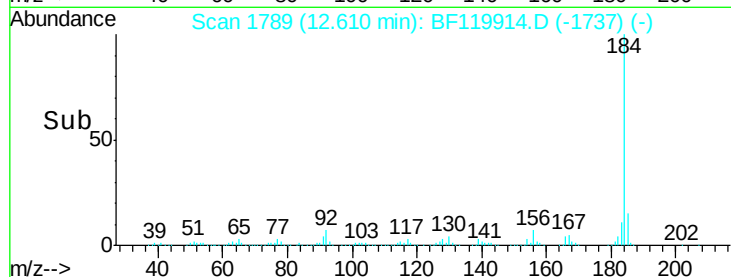
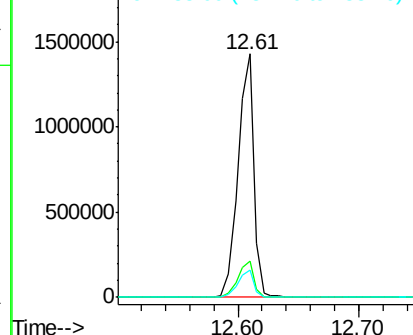
183 11.1 9.1 13.7

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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: 35.667 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

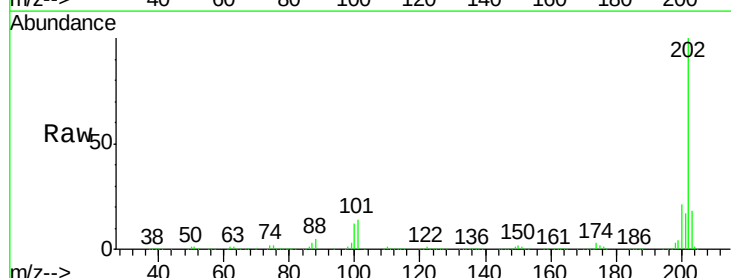
Tgt Ion:202 Resp: 2001527

Ion Ratio Lower Upper

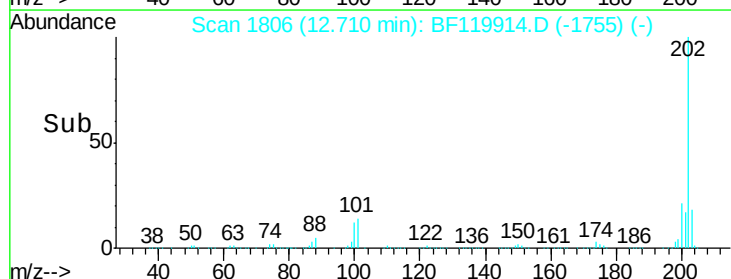
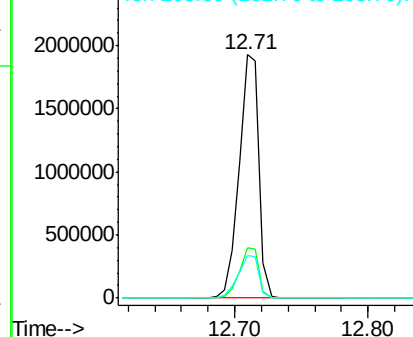
202 100

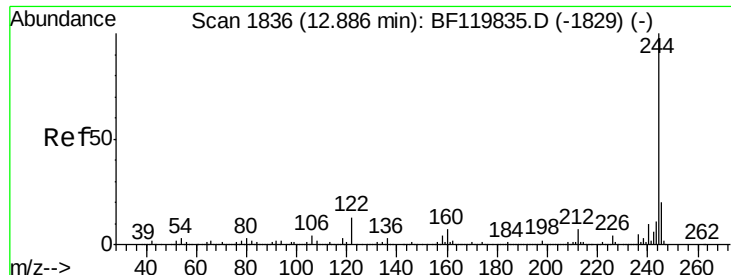
200 20.6 16.2 24.2

203 17.8 14.1 21.1



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: 67.970 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:244 Resp: 2688934

Ion Ratio Lower Upper

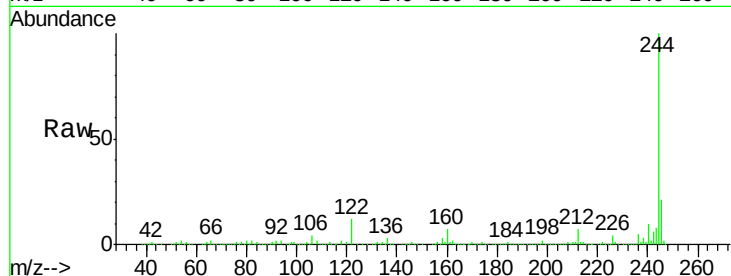
244 100

212 6.7 5.4 8.0

122 11.5 10.3 15.5

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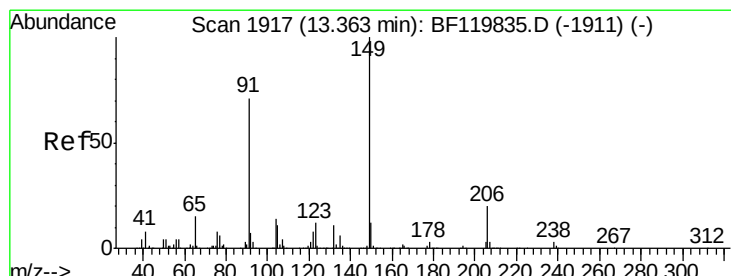
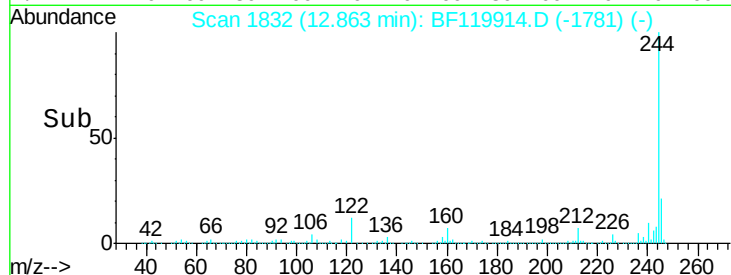
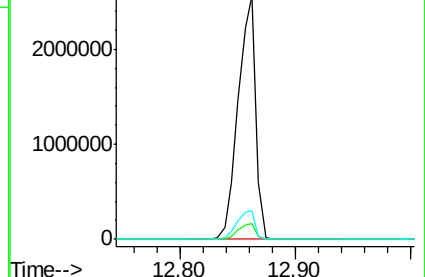
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 33.835 ng

RT: 13.34 min Scan# 1913

Delta R.T. 0.01 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

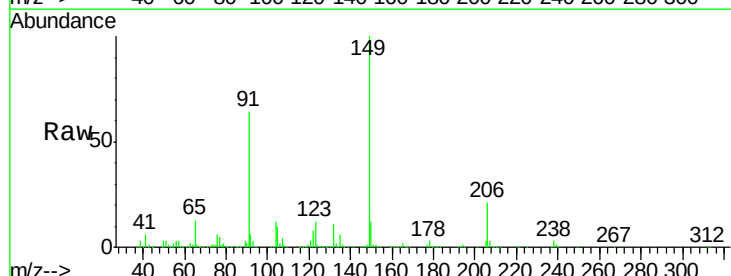
Tgt Ion:149 Resp: 921345

Ion Ratio Lower Upper

149 100

91 64.4 56.7 85.1

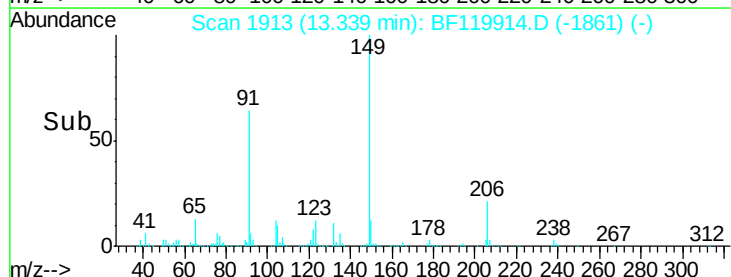
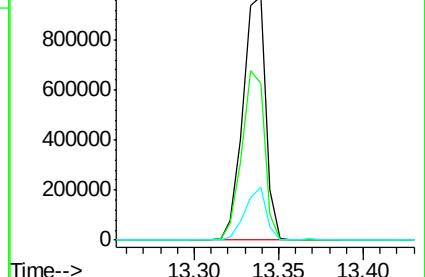
206 21.5 15.7 23.5

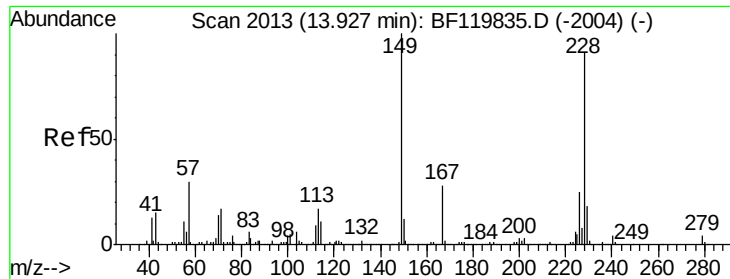


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 36.673 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:228 Resp: 1605997

Ion Ratio Lower Upper

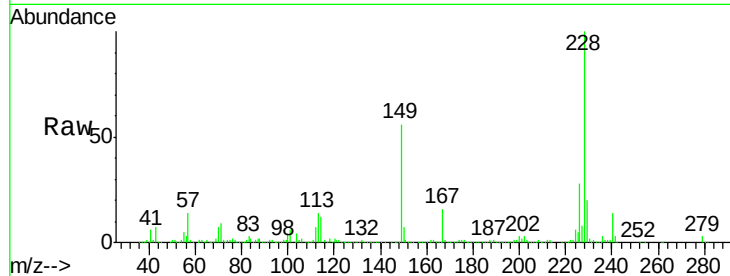
228 100

226 27.5 21.9 32.9

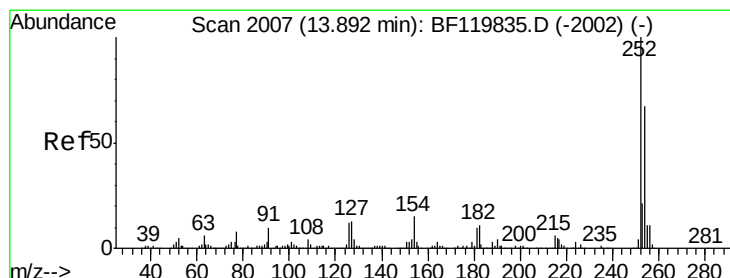
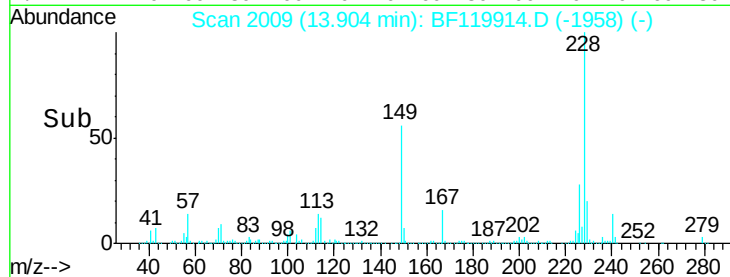
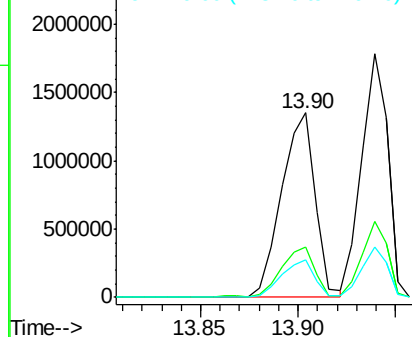
229 20.2 15.9 23.9

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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: 27.839 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

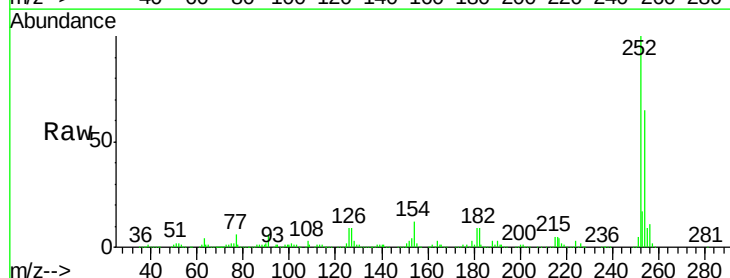
Tgt Ion:252 Resp: 454890

Ion Ratio Lower Upper

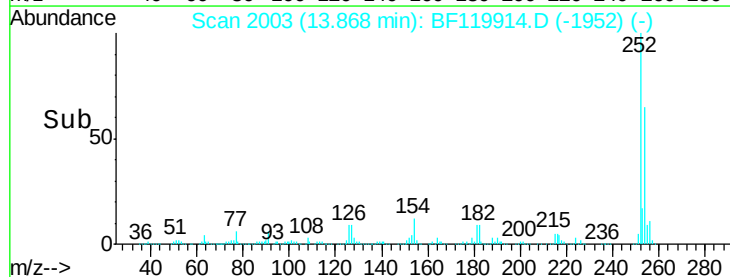
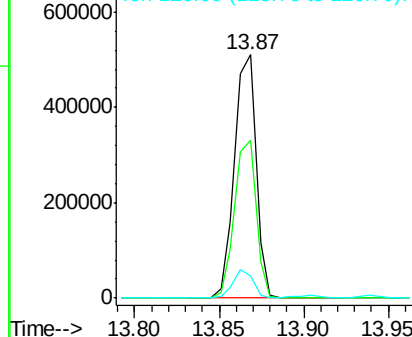
252 100

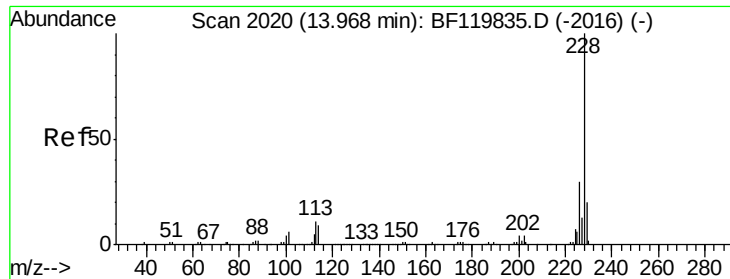
254 64.9 53.9 80.9

126 9.2 9.7 14.5#



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

Chrysene

Concen: 37.417 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

Instrument :

BNA_F

ClientSampleId :

PB128139BS

Tot Ion:228 Resp: 1664926

Ion Ratio Lower Upper

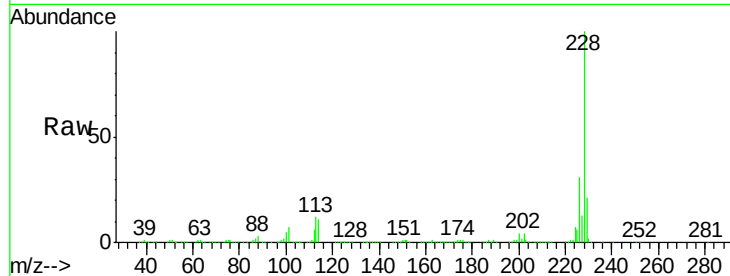
228 100

226 31.2 24.2 36.2

229 20.9 15.9 23.9

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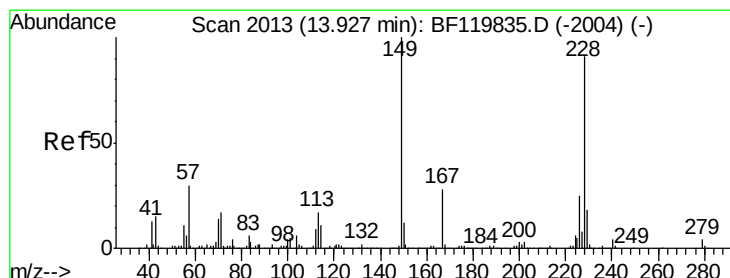
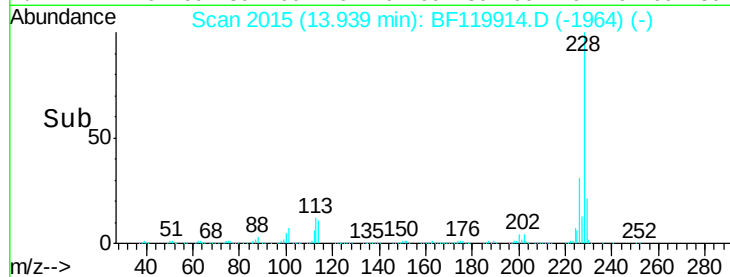
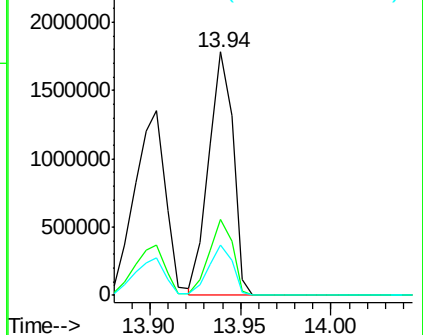
mohammad
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 32.233 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF119914.D

Acq: 13 Apr 2020 14:16

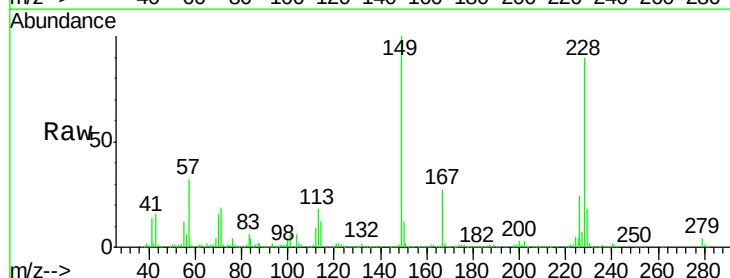
Tgt Ion:149 Resp: 1188576

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.2

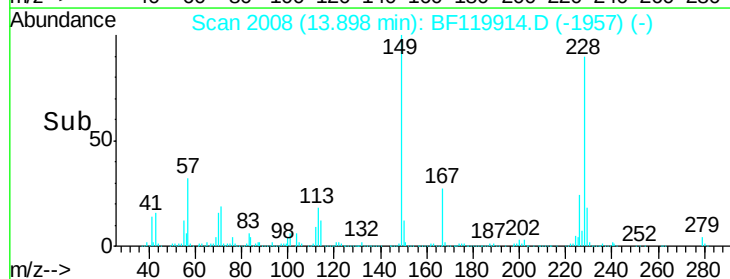
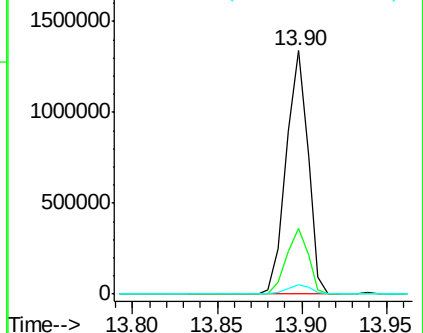
279 3.6 3.4 5.0

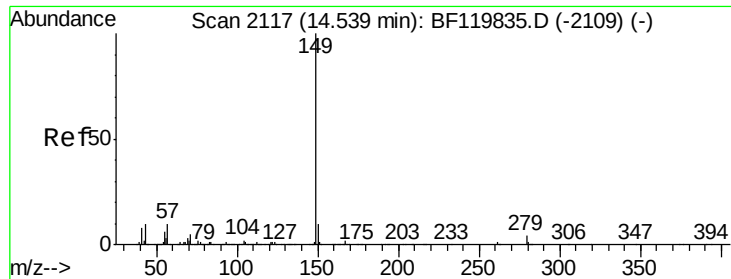


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





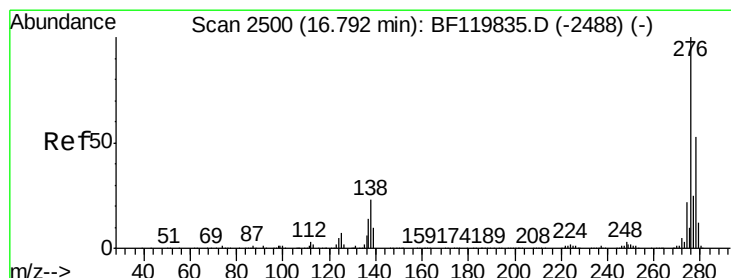
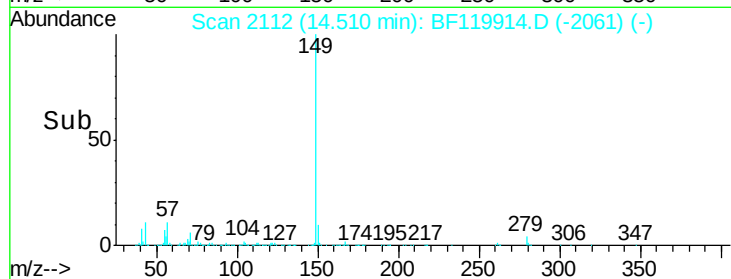
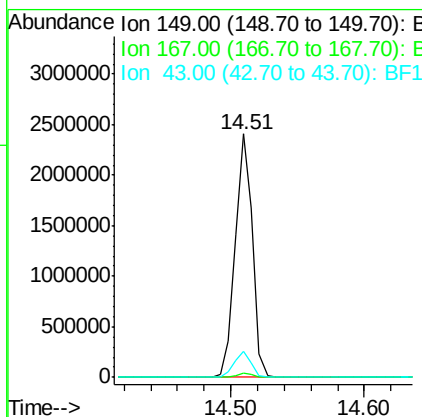
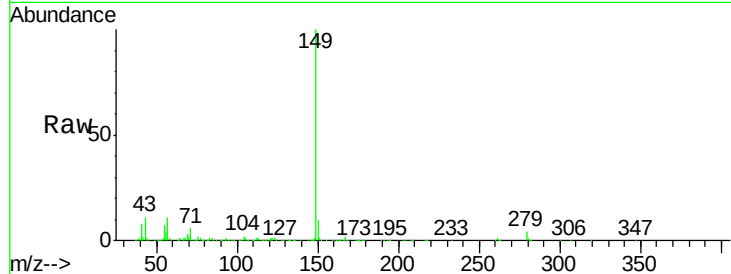
#85
Di-n-octyl phthalate
Concen: 34.643 ng
RT: 14.51 min Scan# 2112
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.7	9.2	13.8

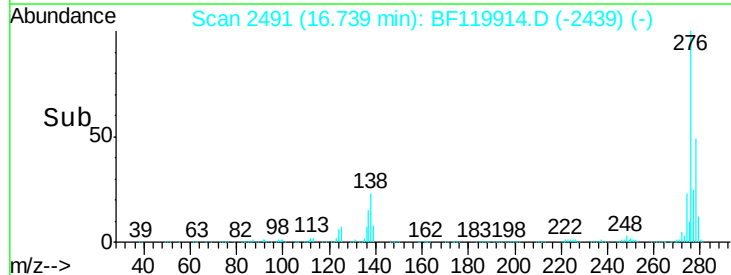
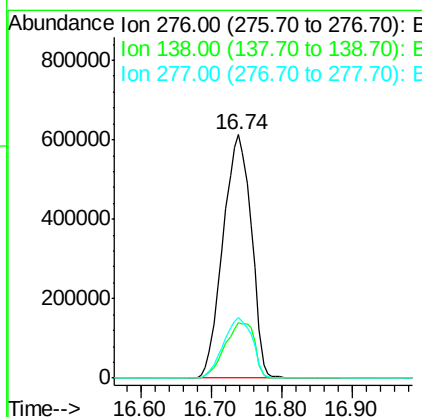
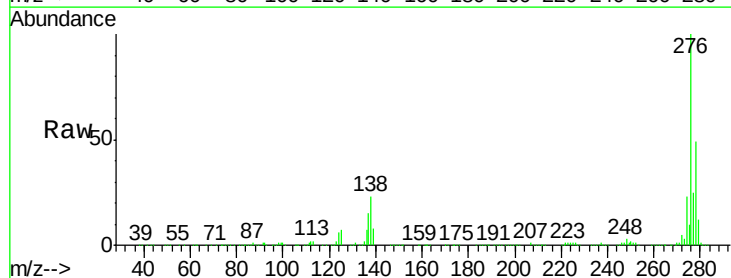
Manual Integrations
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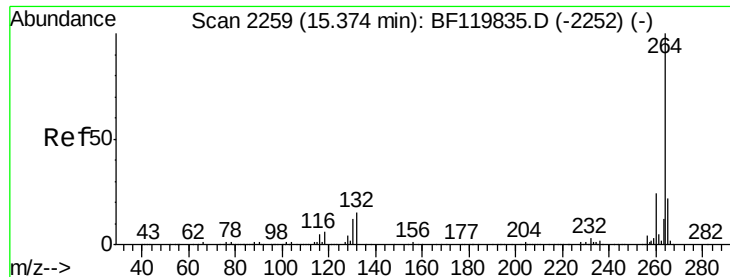
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 43.550 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	18.0	27.0
277	25.4	20.1	30.1





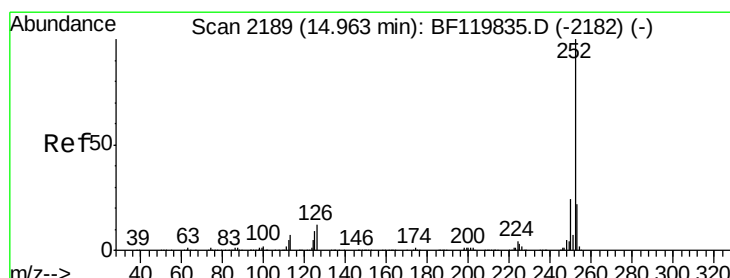
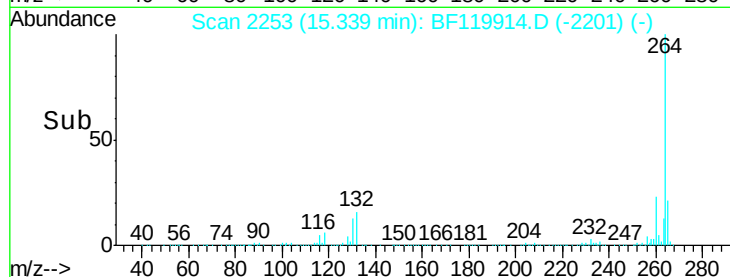
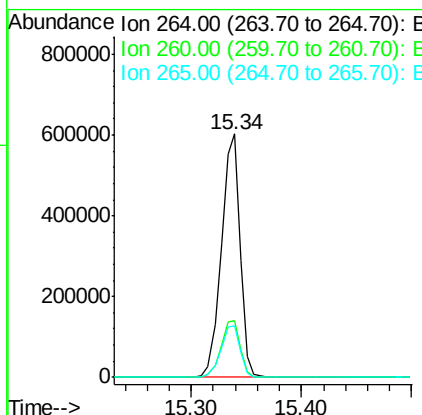
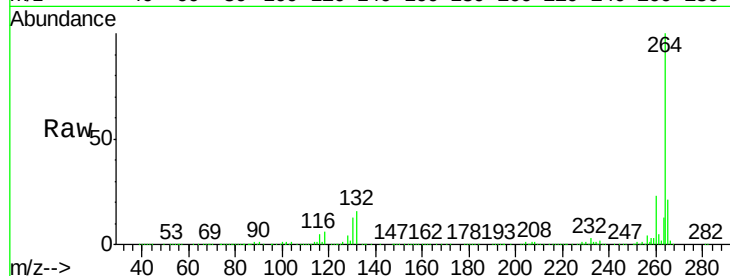
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.3	17.6	26.4

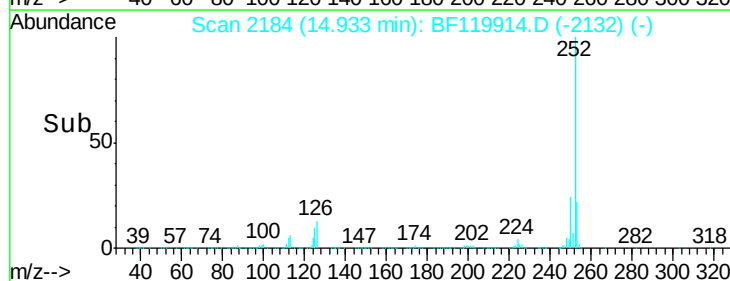
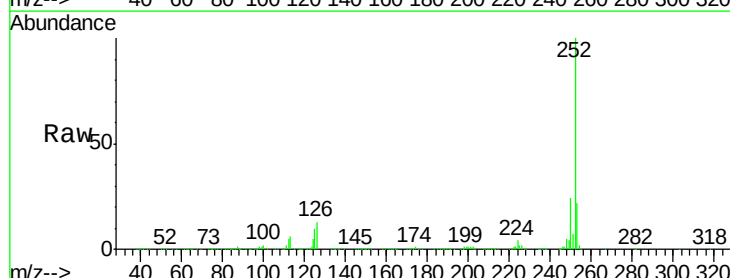
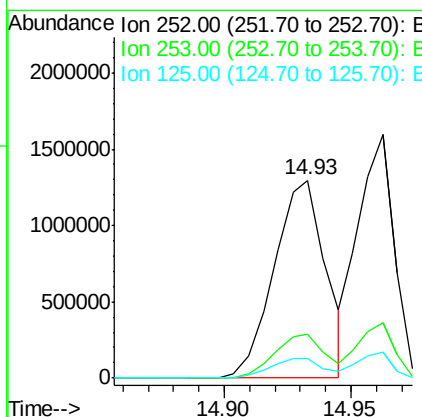
Manual Integrations
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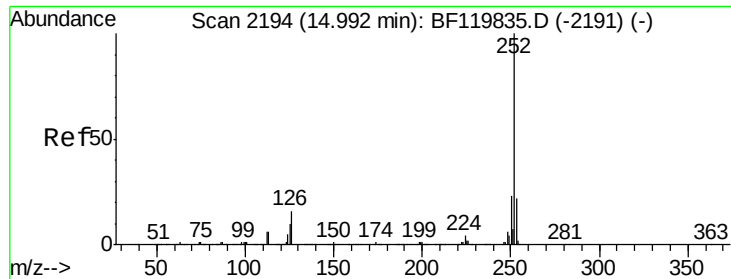
mohammad
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#88
Benzo(b)fluoranthene
Concen: 36.019 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.7	7.4	11.2





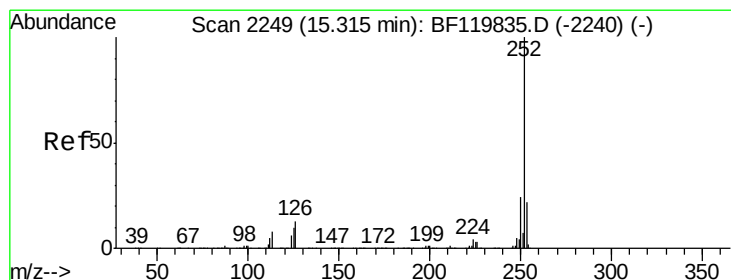
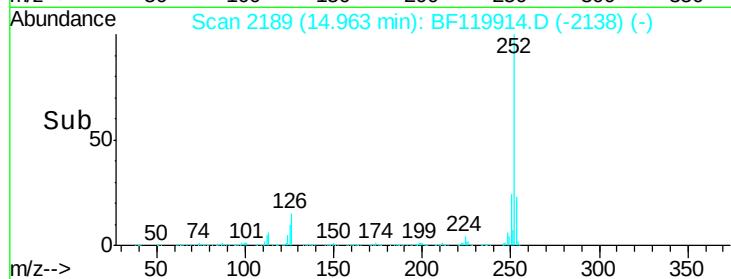
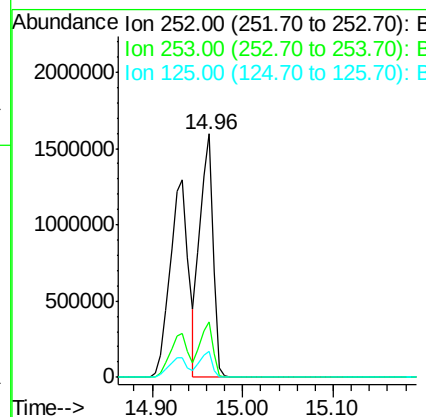
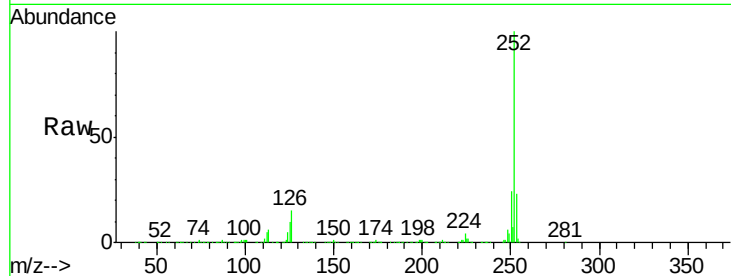
#89
Benzo(k)fluoranthene
Concen: 36.269 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion:252 Resp: 1595262
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.4 7.7 11.5

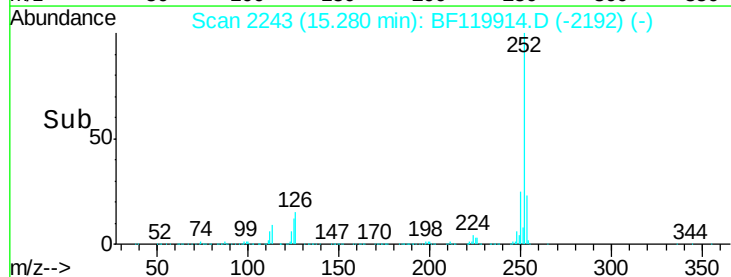
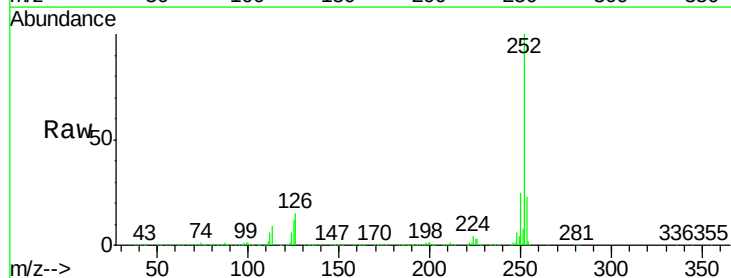
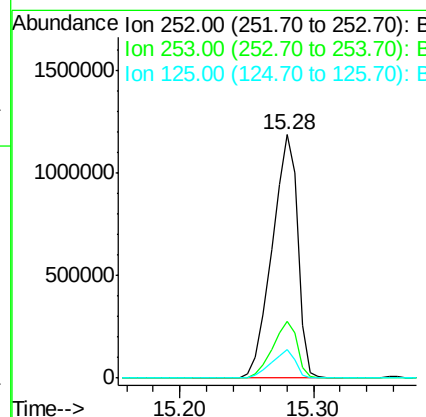
Manual Integrations
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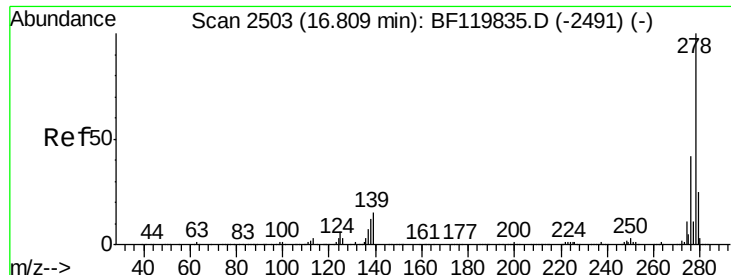
mohammad
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#90
Benzo(a)pyrene
Concen: 36.992 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion:252 Resp: 1585519
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 12.0 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 37.476 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

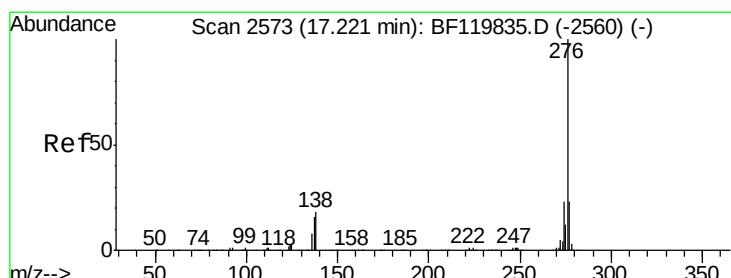
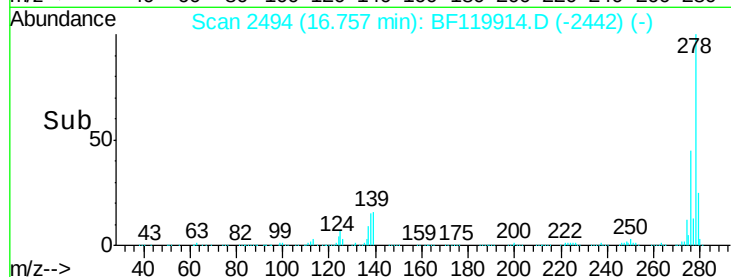
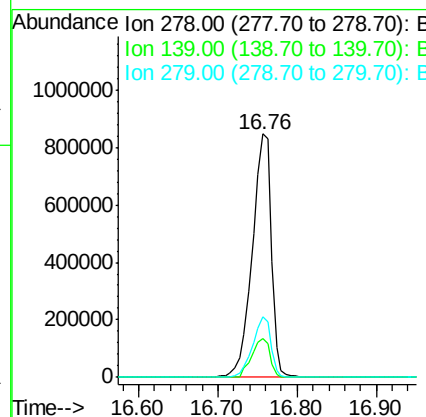
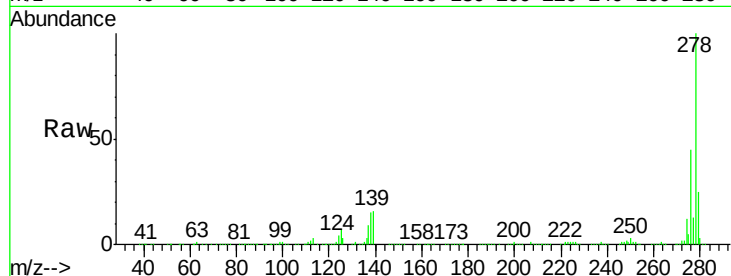
Instrument :
BNA_F
ClientSampleId :
PB128139BS

Tot Ion:278 Resp: 1422809

Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.6	17.4
279	24.7	19.7	29.5

Manual Integrations
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4/14/2020 3:38:23 PM



#92
Benzo(g,h,i)perylene
Concen: 36.645 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF119914.D
Acq: 13 Apr 2020 14:16

Tgt Ion:276 Resp: 1373323

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	20.6	14.6	22.0

