

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP021721\
 Data File : BP004776.D
 Acq On : 17 Feb 2021 16:53
 Operator : CG/JU
 Sample : M1407-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Feb 17 23:27:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP020821MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 15 12:16:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	47939	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	192122	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.41	164	120451	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.16	188	261665	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	286337	20.00	ng/ul	-0.01
86) Perylene-d12	23.55	264	278113	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	6519	5.26	ng/uL	0.00
5) Phenol-d5	6.93	99	27593	7.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	64286	32.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	80440	27.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	51769	17.10	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	47009	35.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	53290	36.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	91828	31.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	9685	2.96	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	339675	38.85	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	396330	37.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.61	143	11739	7.68	ng/ul	0.00
58) Fluorene-d10	15.40	176	290121	38.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	66680	42.16	ng/ul	0.00
71) Anthracene-d10	17.26	188	470539	40.78	ng/ul	0.00
79) Pyrene-d10	19.50	212	547917	40.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	585661	41.63	ng/ul	-0.01

Target Compounds

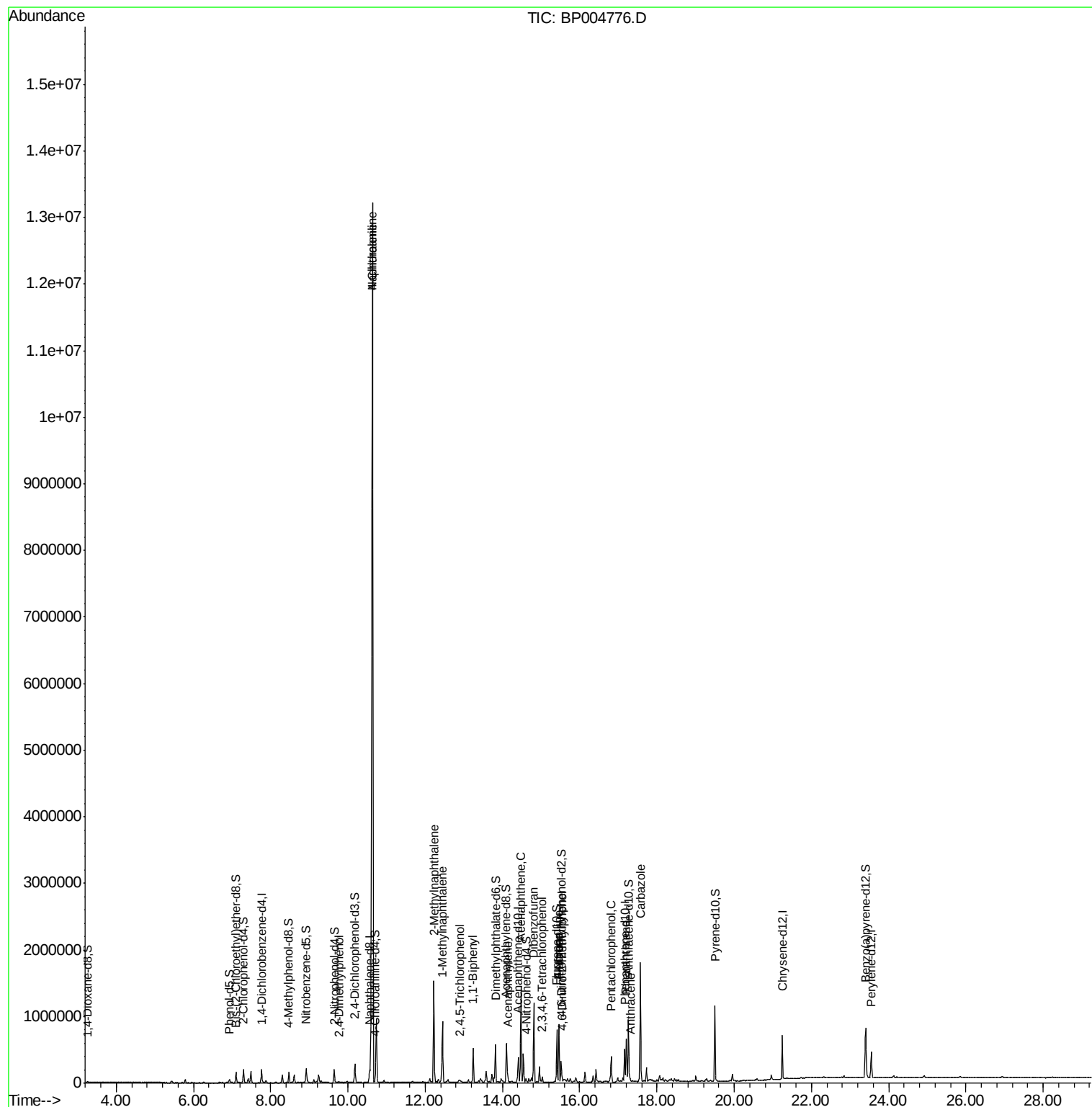
					Ovalue	
24) 2,4-Dimethylphenol	9.77	107	5491	1.418	ng/ul	94
28) Naphthalene	10.64	128	12220945	1235.724	ng/ul	100
30) 4-Chloroaniline	10.64	127	1725908	513.570	ng/ul#	14
34) 2-Methylnaphthalene	12.23	142	658724	92.399	ng/ul	97
35) 1-Methylnaphthalene	12.45	142	381687	55.207	ng/ul	99
40) 2,4,5-Trichlorophenol	12.91	196	4675	1.874	ng/ul#	90
41) 1,1'-Biphenyl	13.24	154	236171	26.597	ng/ul	99
48) Acenaphthylene	14.13	152	80504	8.009	ng/ul	98
50) Acenaphthene	14.47	153	543623	72.891	ng/ul	100
54) Dibenzofuran	14.81	168	688631	64.579	ng/ul	100
56) 2,3,4,6-Tetrachlorophenol	15.04	232	12665	5.645	ng/ul#	97
59) Fluorene	15.46	166	355585	39.948	ng/ul	99
61) 4-Nitroaniline	15.46	138	4516	2.524	ng/ul#	10
64) 4,6-Dinitro-2-methylphenol	15.55	198	16273	10.176	ng/ul#	62
69) Pentachlorophenol	16.81	266	27175	14.443	ng/ul	96
70) Phenanthrene	17.20	178	362924	26.036	ng/ul	99
72) Anthracene	17.30	178	19321	1.363	ng/ul	97
75) Carbazole	17.57	167	1052298	84.787	ng/ul	99

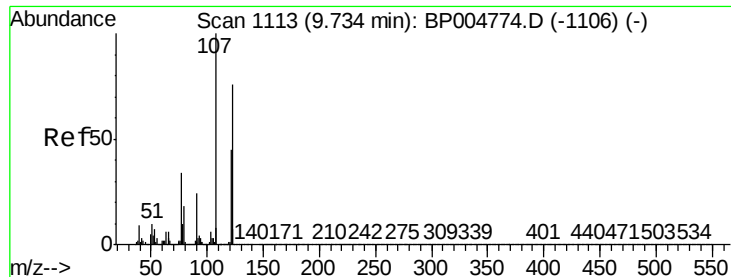
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 15 12:16:19 2021
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#24

2,4-Dimethylphenol

Concen: 1.418 ng/ul

RT: 9.77 min Scan# 1119

Delta R.T. 0.03 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

Instrument :

BNA_P

ClientSampleId :

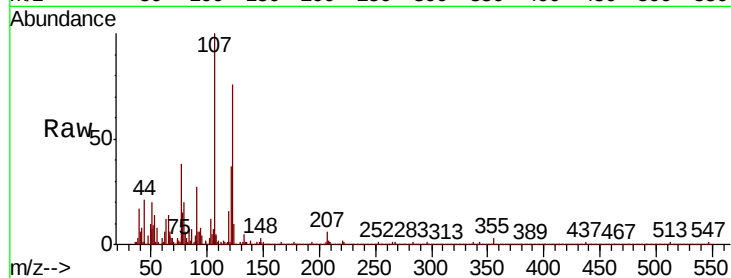
Tot Ion:107 Resp: 5491

Ion Ratio Lower Upper

107 100

121 37.2 35.9 53.9

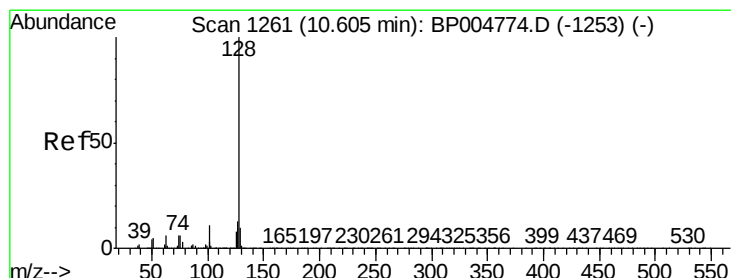
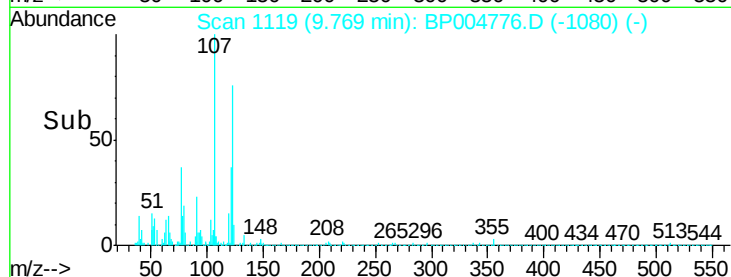
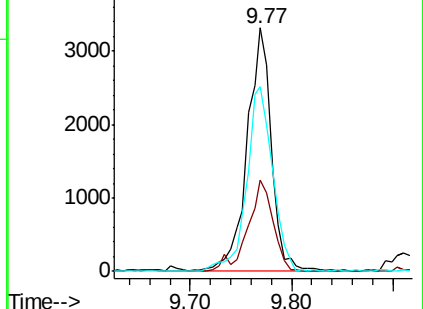
122 76.1 59.0 88.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 1235.724 ng/ul

RT: 10.64 min Scan# 1267

Delta R.T. 0.03 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

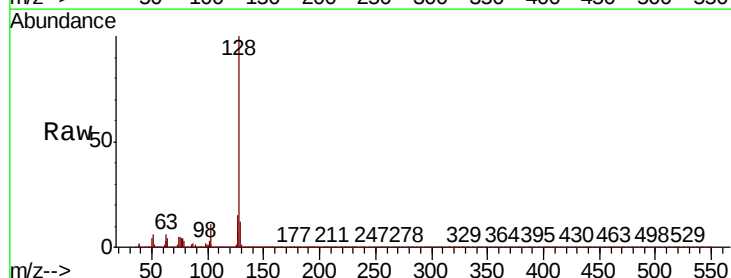
Tgt Ion:128 Resp:12220945

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

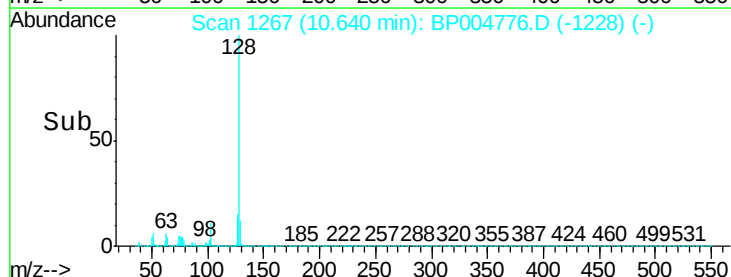
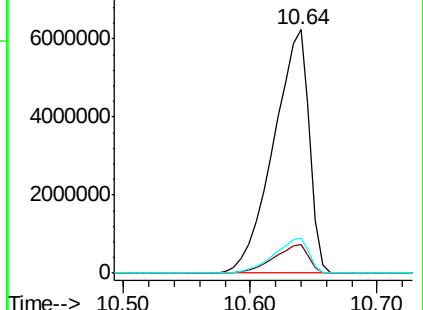
127 14.5 11.7 17.5

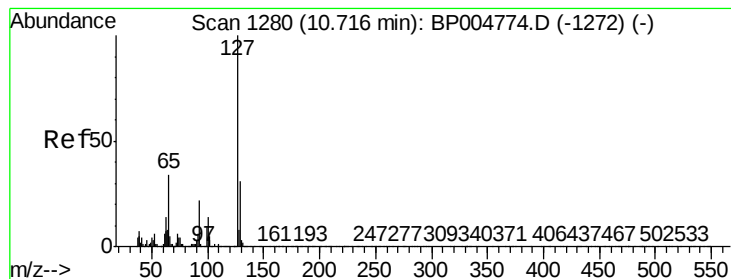


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#30

4-Chloroaniline

Concen: 513.570 ng/ul

RT: 10.64 min Scan# 1267

Delta R.T. -0.08 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

Instrument :

BNA_P

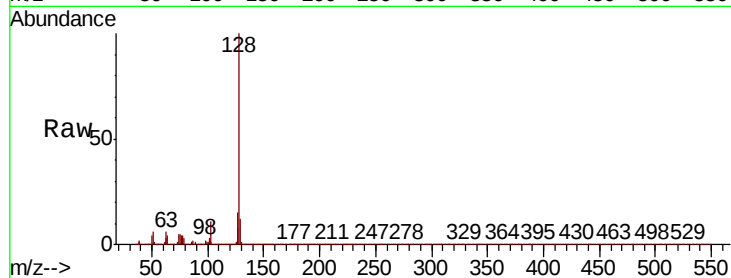
ClientSampleId :

Tot Ion:127 Resp: 1725908

Ion Ratio Lower Upper

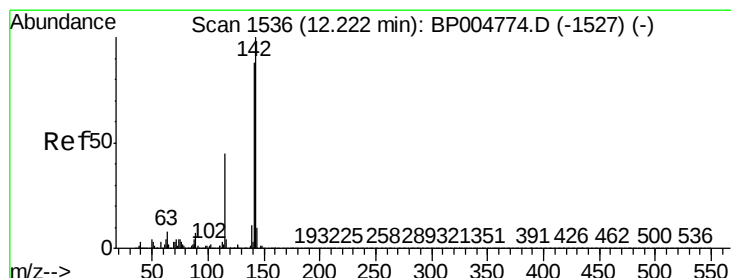
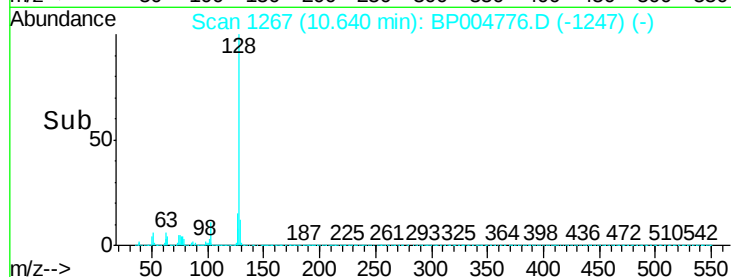
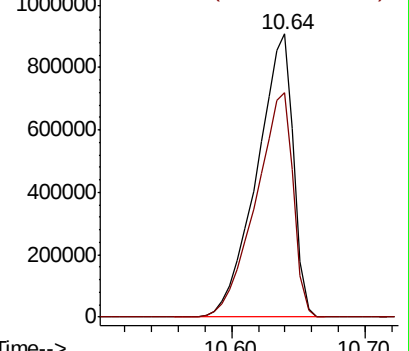
127 100

129 79.4 25.2 37.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 92.399 ng/ul

RT: 12.23 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BP004776.D

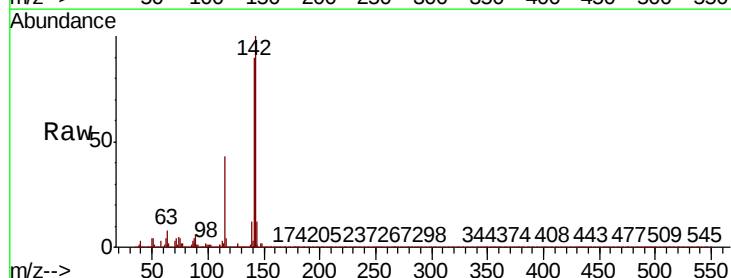
Acq: 17 Feb 2021 16:53

Tgt Ion:142 Resp: 658724

Ion Ratio Lower Upper

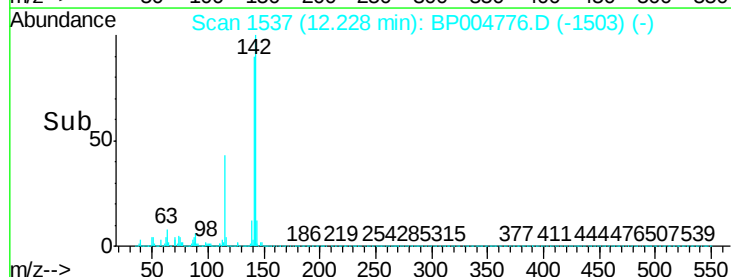
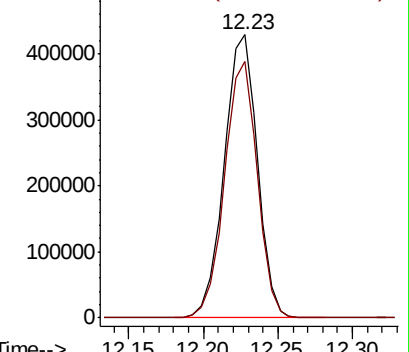
142 100

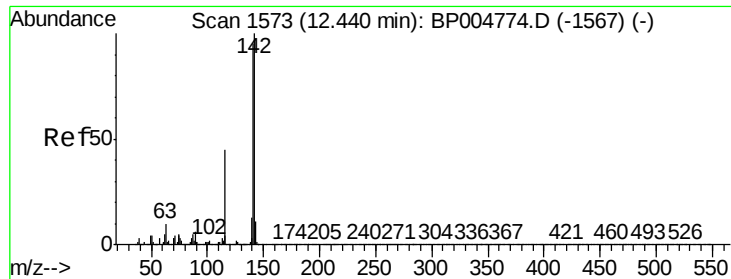
141 90.4 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 55.207 ng/ul

RT: 12.45 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

Instrument :

BNA_P

ClientSampleId :

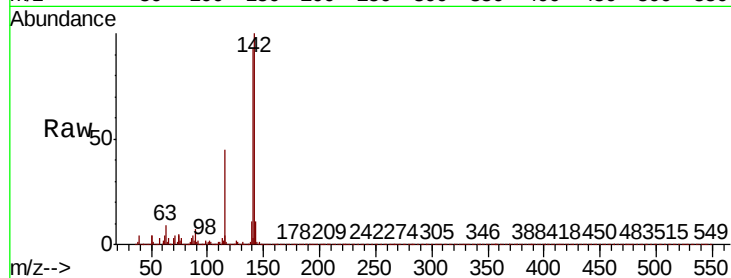
Tot Ion:142 Resp: 381687

Ion Ratio Lower Upper

142 100

141 92.7 73.6 110.4

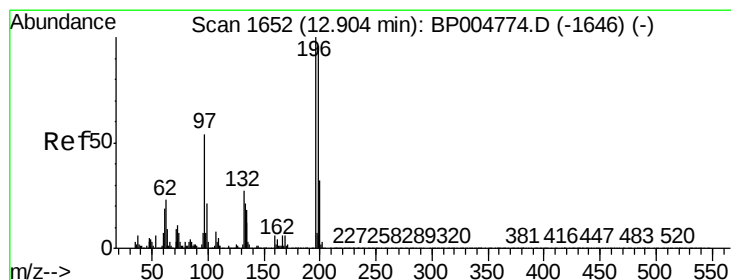
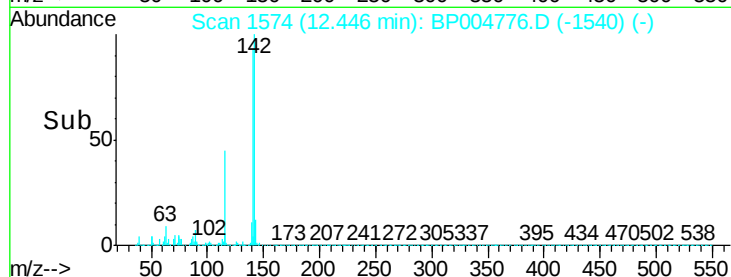
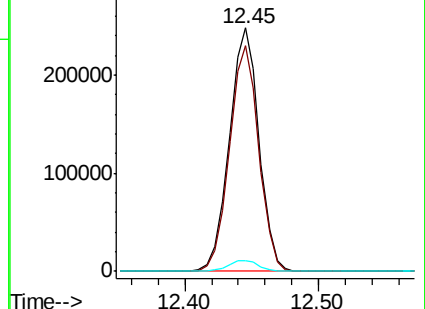
116 4.5 3.8 5.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#40

2,4,5-Trichlorophenol

Concen: 1.874 ng/ul

RT: 12.91 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

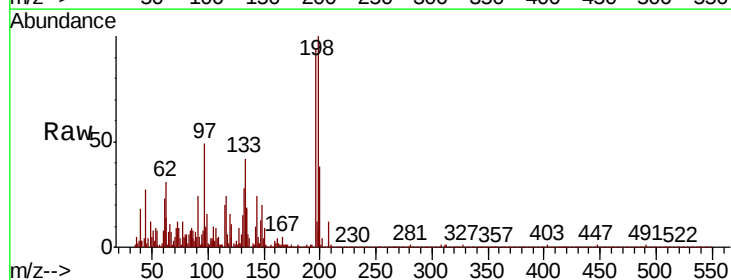
Tgt Ion:196 Resp: 4675

Ion Ratio Lower Upper

196 100

198 105.8 79.4 119.2

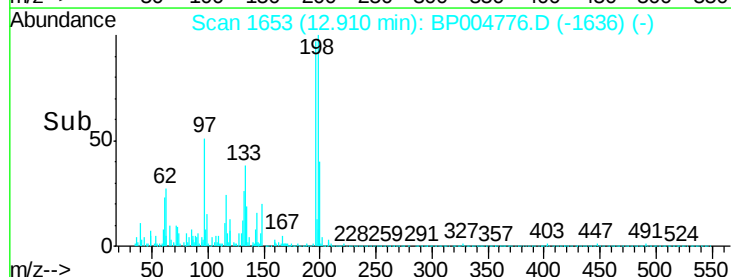
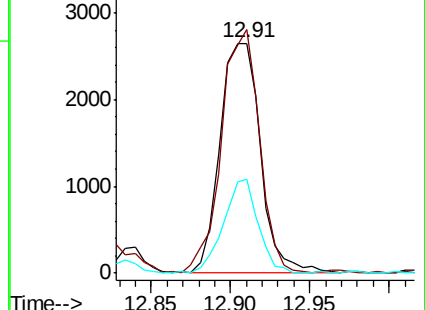
200 40.6 24.1 36.1#

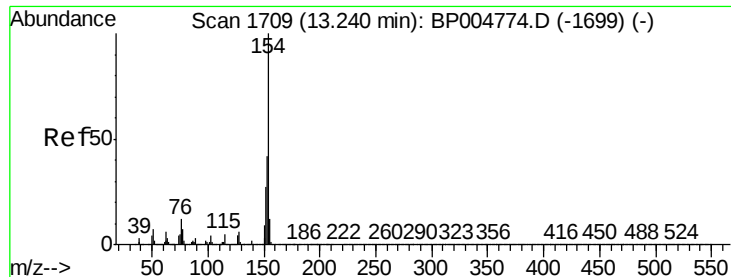


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

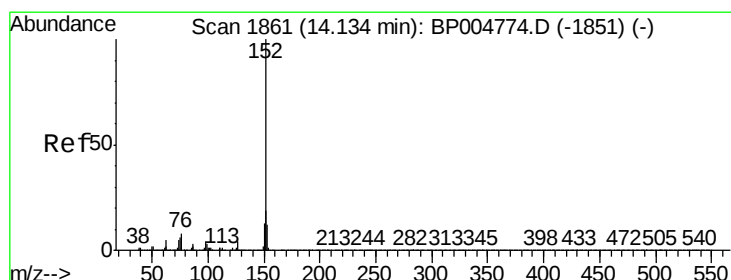
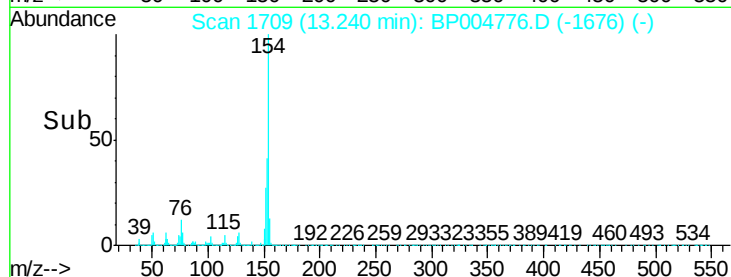
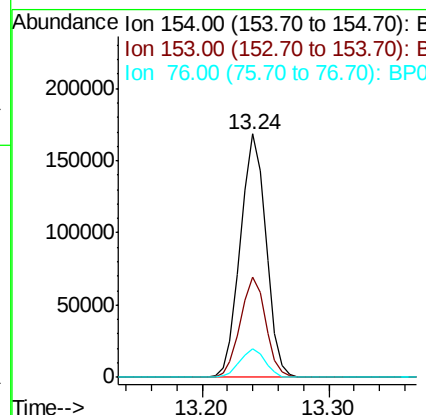
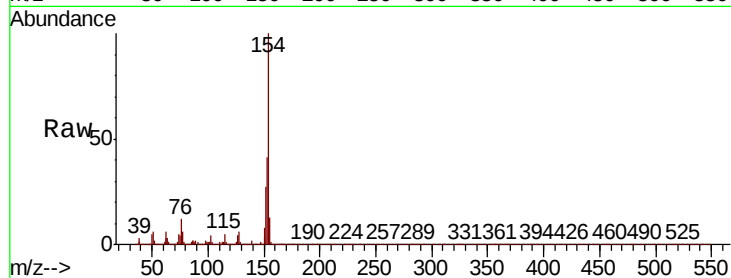




#41
 1,1'-Biphenyl
 Concen: 26.597 ng/ul
 RT: 13.24 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BP004776.D
 Acq: 17 Feb 2021 16:53

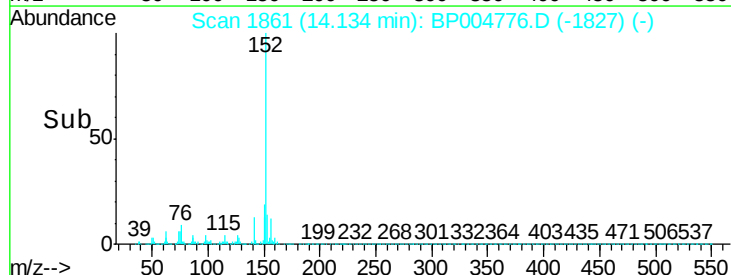
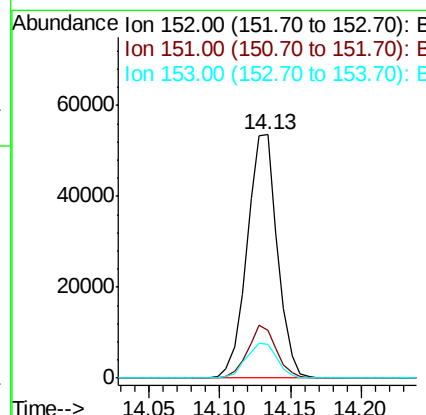
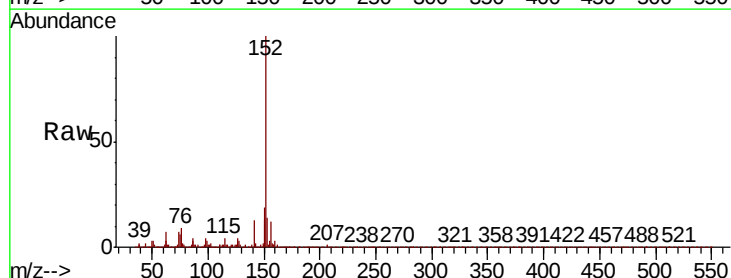
Instrument :
 BNA_P
 ClientSampled :

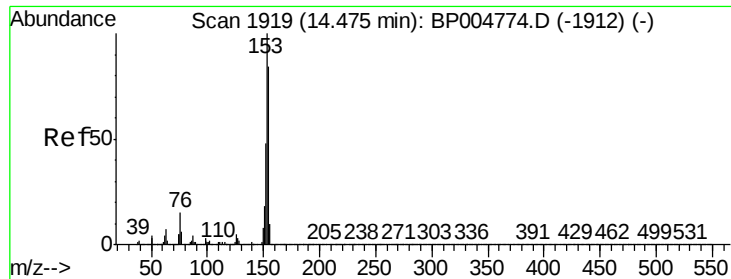
Tot Ion:	154	Resp:	236171
Ion	Ratio	Lower	Upper
154	100		
153	40.9	32.3	48.5
76	12.0	8.8	13.2



#48
 Acenaphthylene
 Concen: 8.009 ng/ul
 RT: 14.13 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BP004776.D
 Acq: 17 Feb 2021 16:53

Tgt Ion:	152	Resp:	80504
Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.6	24.8
153	14.1	11.0	16.4





#50

Acenaphthene

Concen: 72.891 ng/ul

RT: 14.47 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

Instrument :

BNA_P

ClientSampleId :

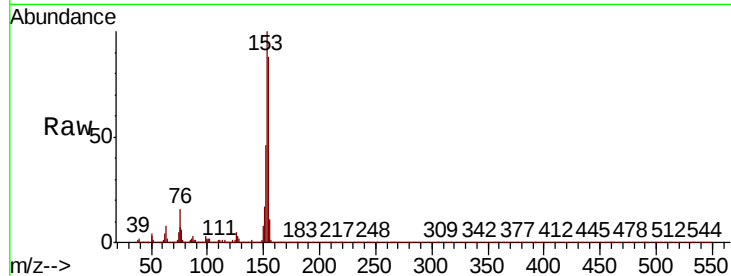
Tot Ion:153 Resp: 543623

Ion Ratio Lower Upper

153 100

152 46.3 37.0 55.4

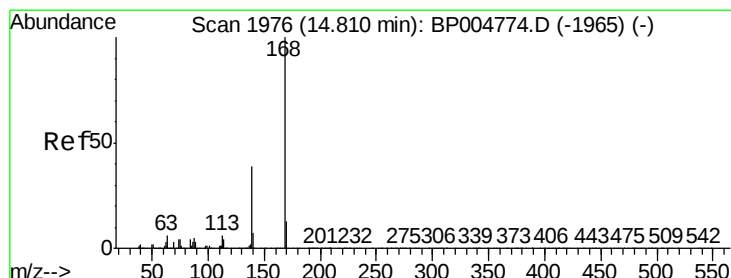
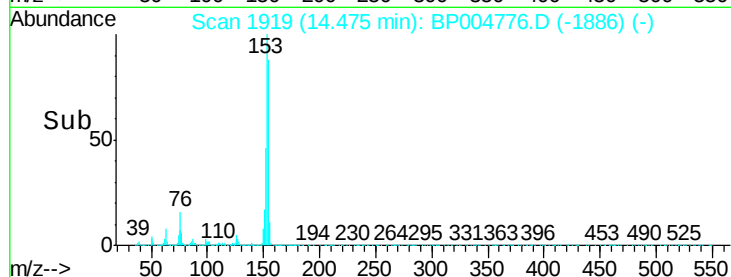
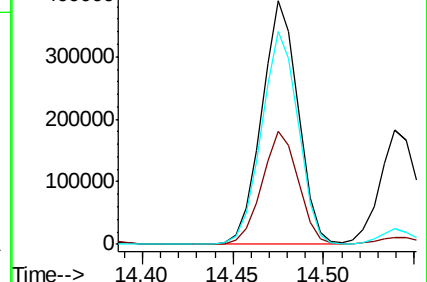
154 87.7 70.1 105.1



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 64.579 ng/ul

RT: 14.81 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BP004776.D

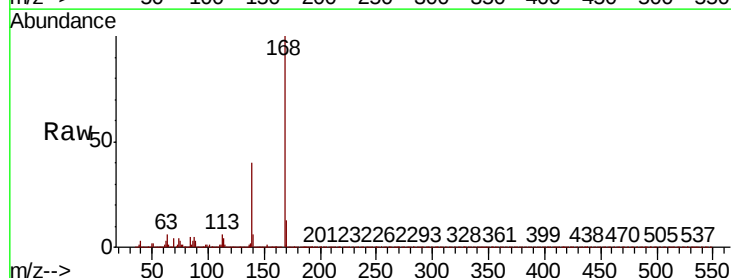
Acq: 17 Feb 2021 16:53

Tgt Ion:168 Resp: 688631

Ion Ratio Lower Upper

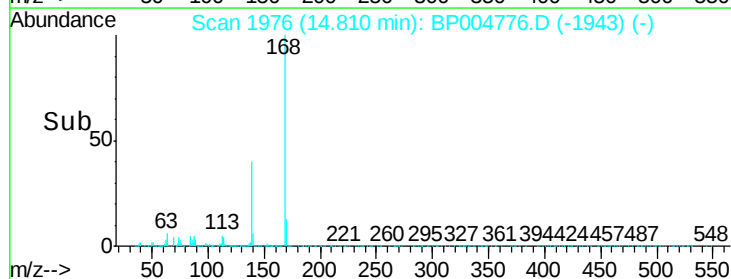
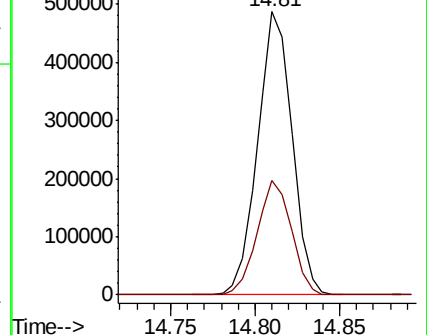
168 100

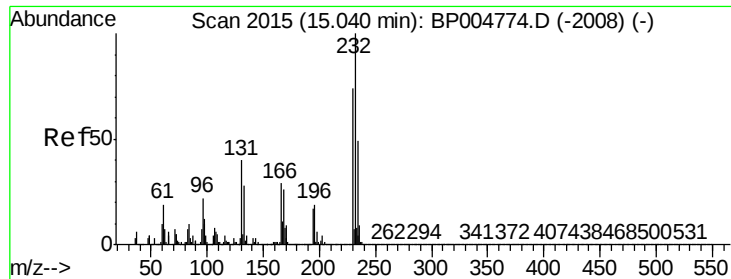
139 40.5 32.5 48.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

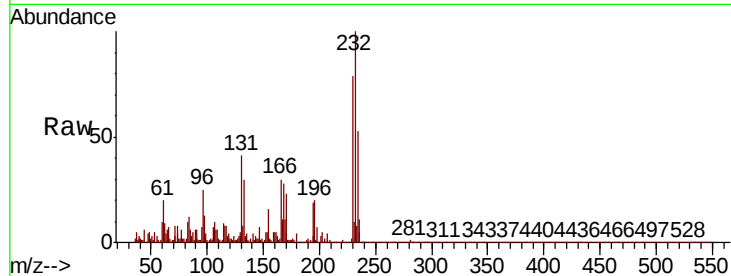




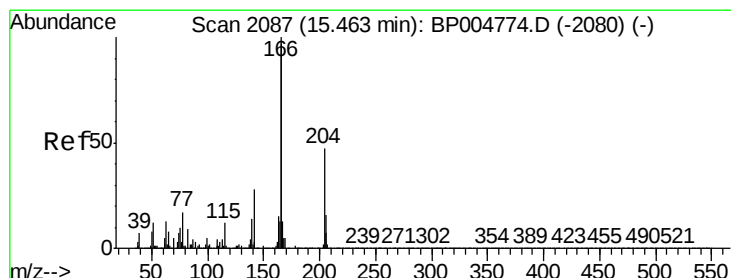
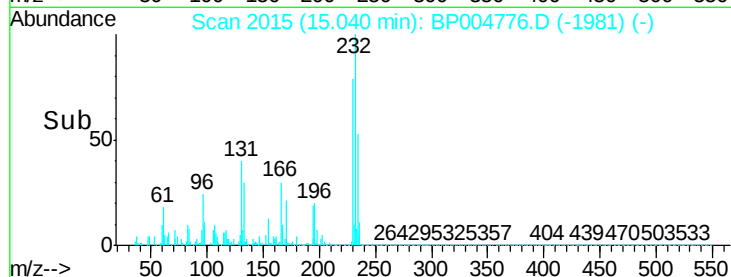
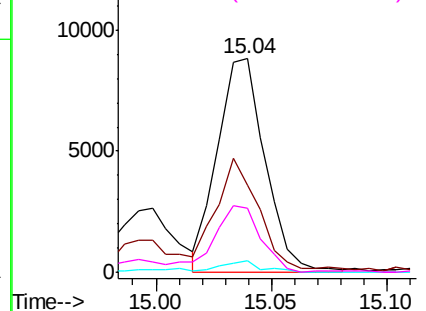
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 5.645 ng/ul
 RT: 15.04 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: BP004776.D
 Acq: 17 Feb 2021 16:53

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:	232	Resp:	12665
Ion Ratio	Lower	Upper	
232	100		
131	40.9	34.2	51.2
130	5.1	2.4	3.6#
166	30.0	23.0	34.6

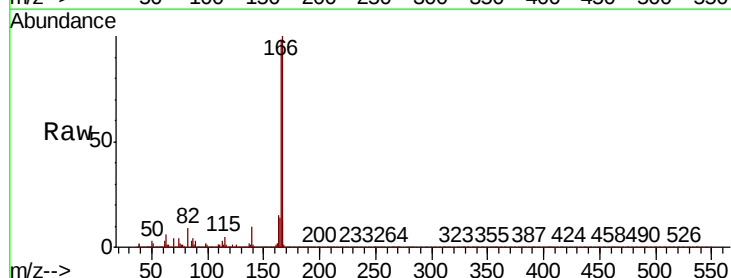


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

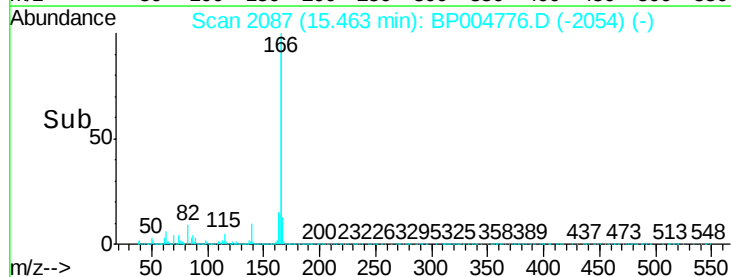
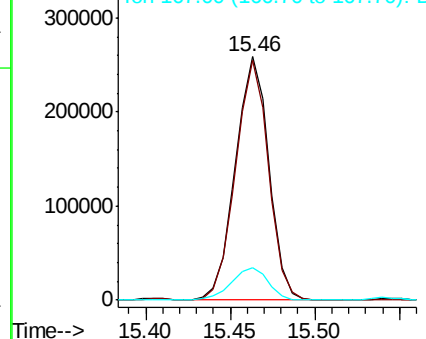


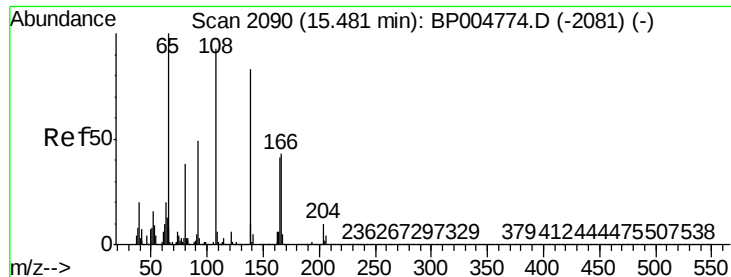
#59
 Fluorene
 Concen: 39.948 ng/ul
 RT: 15.46 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BP004776.D
 Acq: 17 Feb 2021 16:53

Tgt Ion:	166	Resp:	355585
Ion Ratio	Lower	Upper	
166	100		
165	98.2	79.8	119.8
167	13.4	10.9	16.3



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

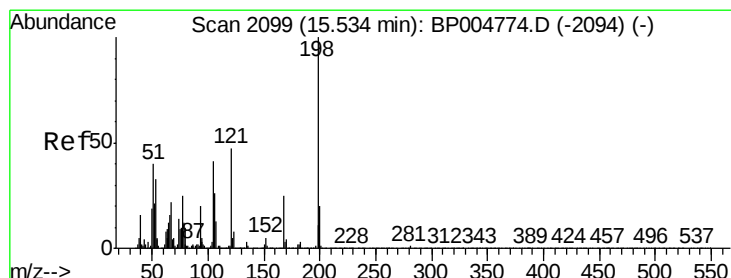
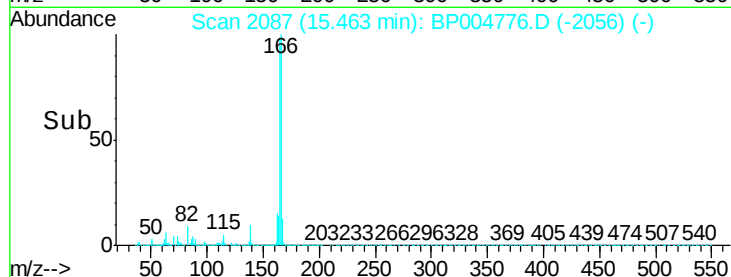
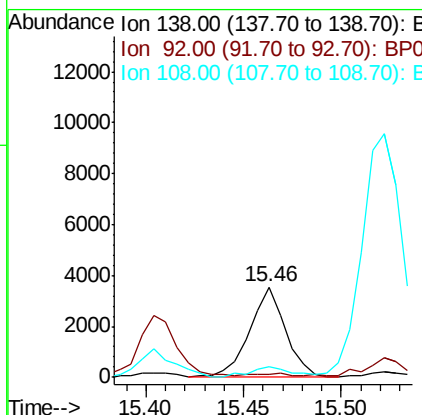
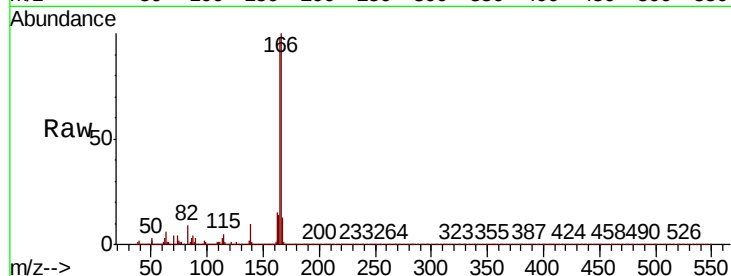




#61
4-Nitroaniline
Concen: 2.524 ng/ul
RT: 15.46 min Scan# 2087
Delta R.T. -0.02 min
Lab File: BP004776.D
Acq: 17 Feb 2021 16:53

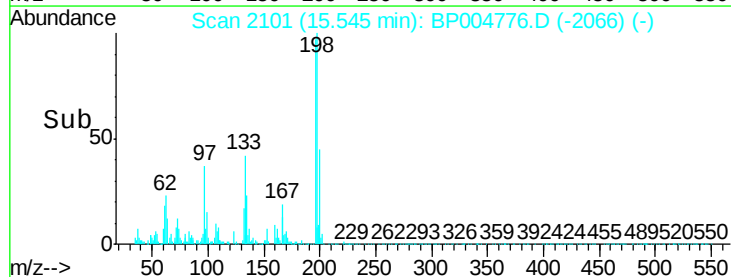
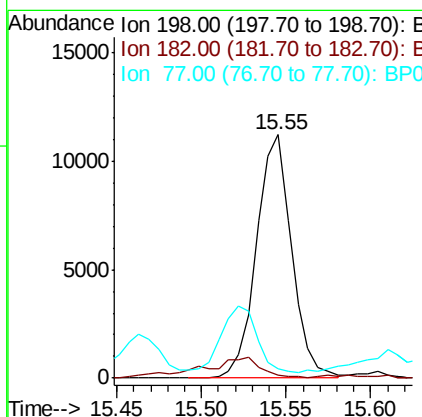
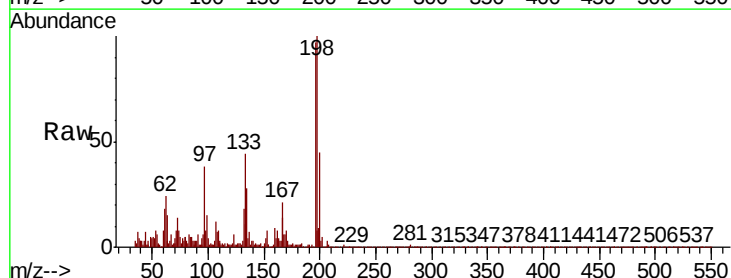
Instrument :
BNA_P
ClientSampleId :

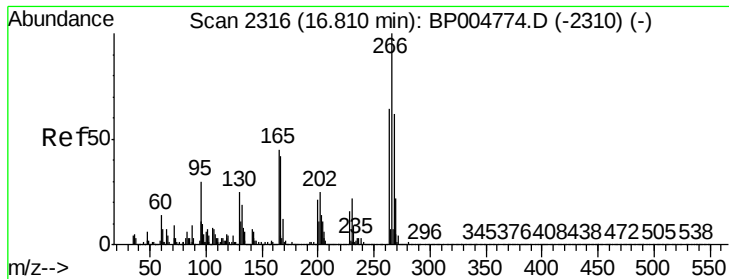
Tot Ion:138 Resp: 4516
Ion Ratio Lower Upper
138 100
92 2.7 44.2 66.4#
108 11.2 96.7 145.1#



#64
4,6-Dinitro-2-methylphenol
Concen: 10.176 ng/ul
RT: 15.55 min Scan# 2101
Delta R.T. 0.01 min
Lab File: BP004776.D
Acq: 17 Feb 2021 16:53

Tgt Ion:198 Resp: 16273
Ion Ratio Lower Upper
198 100
182 1.2 2.2 3.4#
77 4.1 19.9 29.9#

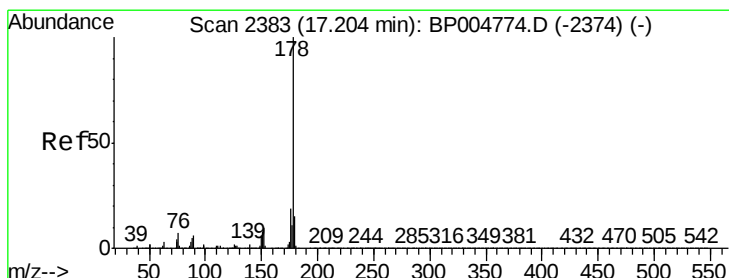
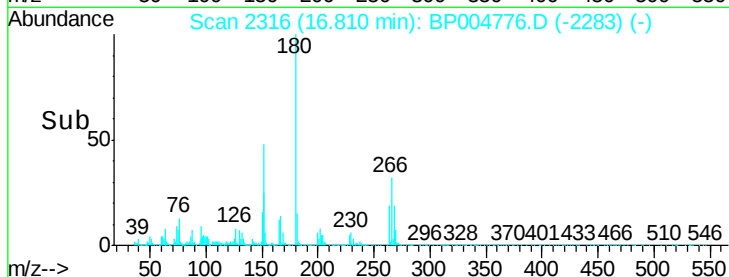
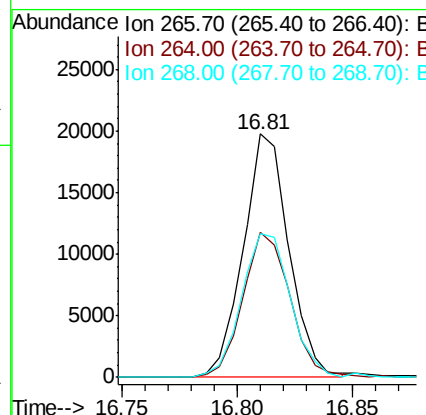
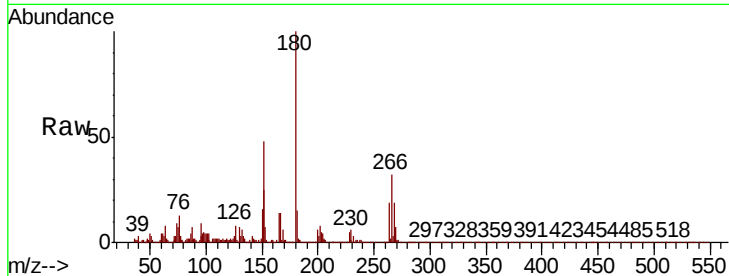




#69
 Pentachlorophenol
 Concen: 14.443 ng/ul
 RT: 16.81 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: BP004776.D
 Acq: 17 Feb 2021 16:53

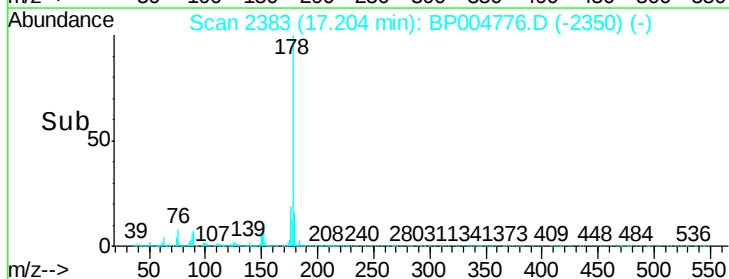
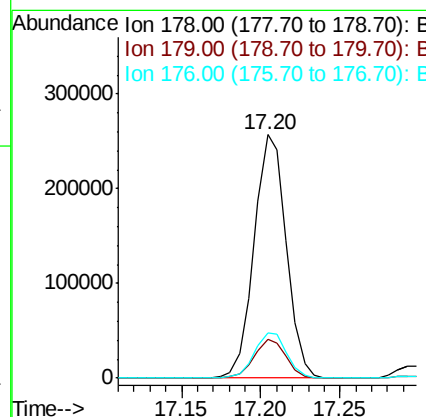
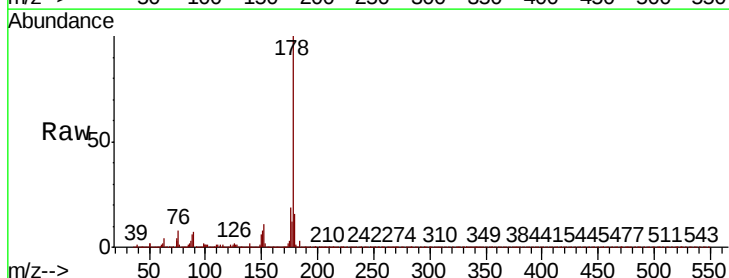
Instrument :
 BNA_P
 ClientSampled :

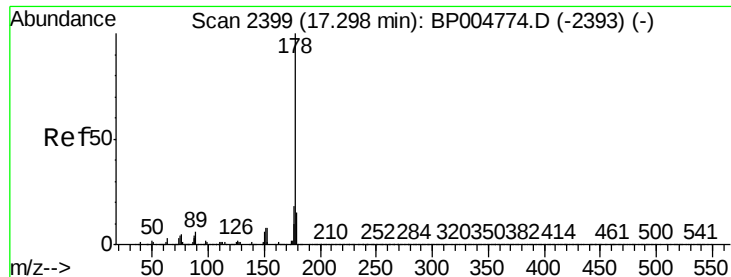
Tot Ion	Ratio	Lower	Upper
266	100		
264	59.6	47.7	71.5
268	58.9	51.4	77.0



#70
 Phenanthrene
 Concen: 26.036 ng/ul
 RT: 17.20 min Scan# 2383
 Delta R.T. -0.01 min
 Lab File: BP004776.D
 Acq: 17 Feb 2021 16:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	18.6	15.1	22.7





#72

Anthracene

Concen: 1.363 ng/ul

RT: 17.30 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

Instrument :

BNA_P

ClientSampleId :

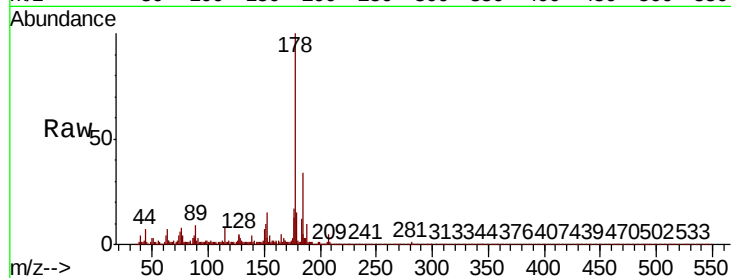
Tot Ion:178 Resp: 19321

Ion Ratio Lower Upper

178 100

179 15.3 12.7 19.1

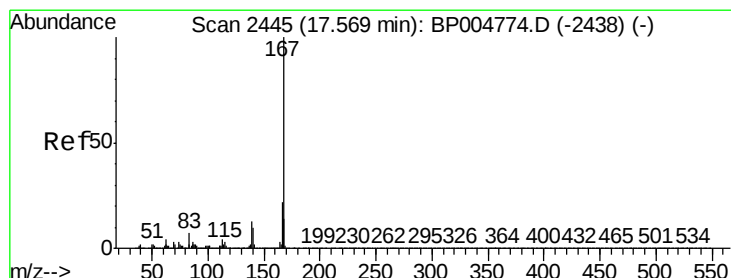
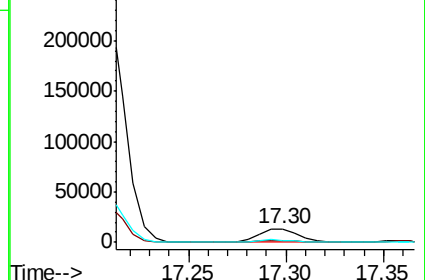
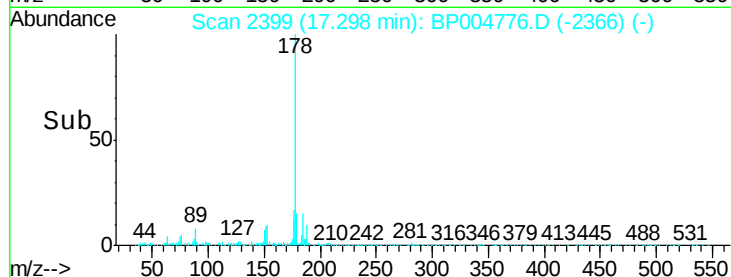
176 17.2 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 84.787 ng/ul

RT: 17.57 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BP004776.D

Acq: 17 Feb 2021 16:53

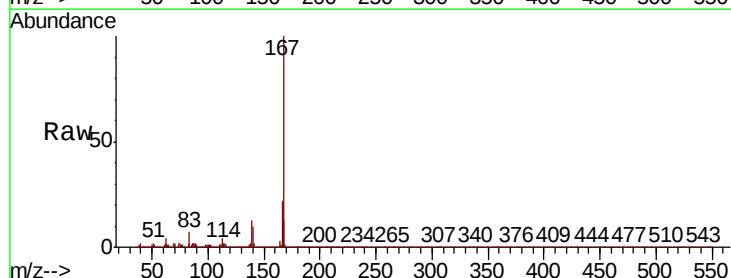
Tgt Ion:167 Resp: 1052298

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 13.0 11.0 16.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

