

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002676.D
 Acq On : 08 Jul 2020 15:44
 Operator : CG/JU
 Sample : L3215-11DL2 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-14DL2

Quant Time: Jul 08 16:17:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	263168	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1096522	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	712292	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1617586	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1853785	20.00	ng	0.00
86) Perylene-d12	23.28	264	1786208	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	20135	1.30	ng	0.01
7) Phenol-d6	6.79	99	14841	0.68	ng	0.02
23) Nitrobenzene-d5	8.72	82	35071	1.65	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	30535	3.52	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	95701	1.98	ng	0.00
79) Terphenyl-d14	19.56	244	195570	2.28	ng	-0.01

Target Compounds

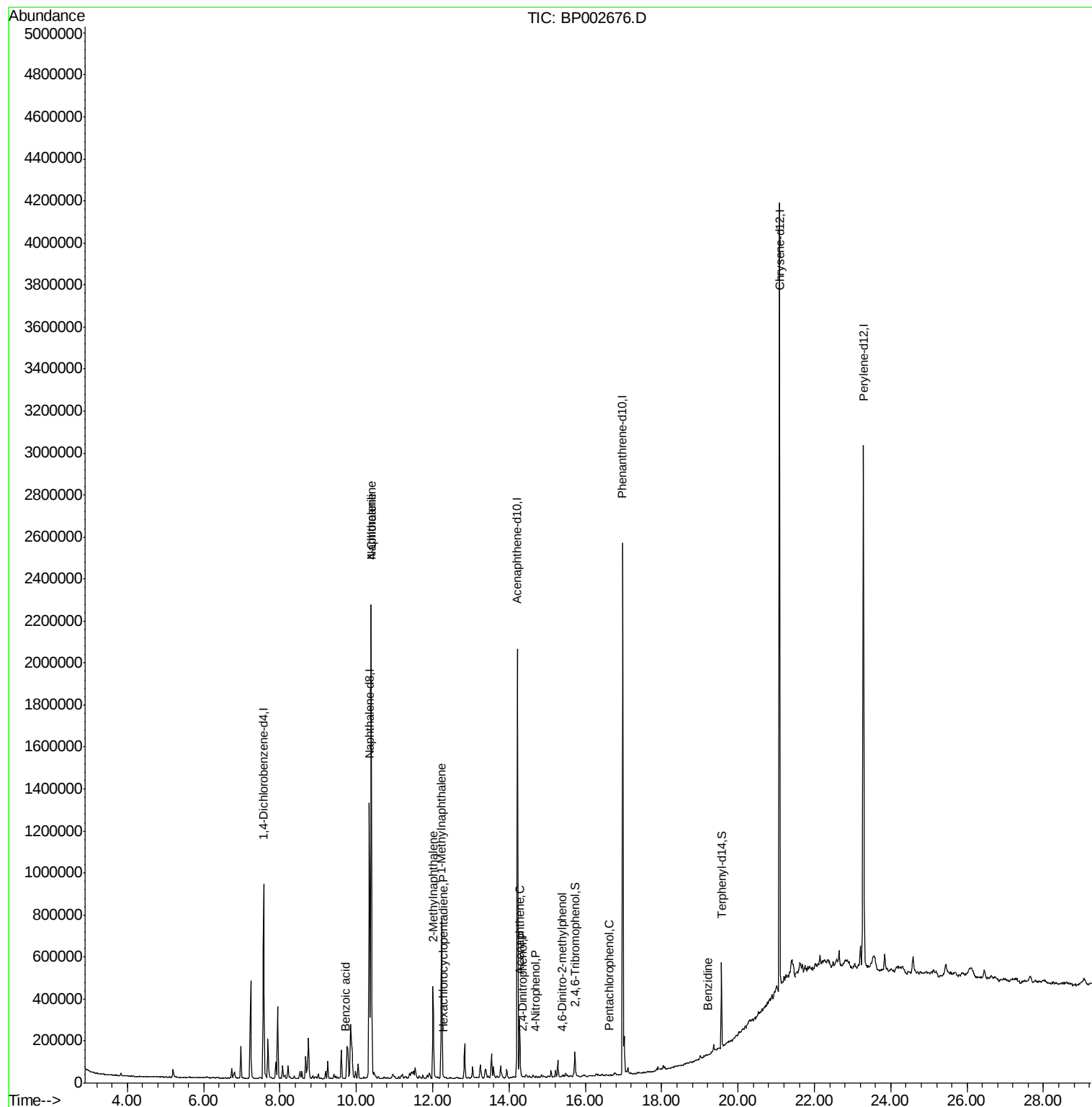
						Qvalue
31) Naphthalene	10.39	128	1904412	32.808	ng	99
32) Benzoic acid	9.72	122	196	8.712	ng	# 1
33) 4-Chloroaniline	10.39	127	247538	9.749	ng	# 32
37) 2-Methylnaphthalene	12.01	142	230154	5.438	ng	95
38) 1-Methylnaphthalene	12.23	142	369957	9.281	ng	100
41) Hexachlorocyclopentadiene	12.29	237	16	4.383	ng	82
52) Acenaphthene	14.28	154	97261	2.388	ng	98
54) 2,4-Dinitrophenol	14.35	184	24	6.012	ng	# 1
56) 4-Nitrophenol	14.70	139	222	2.457	ng	82
65) 4,6-Dinitro-2-methylphenol	15.38	198	10	2.711	ng	# 1
70) Pentachlorophenol	16.63	266	19	2.663	ng	# 83
77) Benzidine	19.20	184	129	3.758	ng	# 1

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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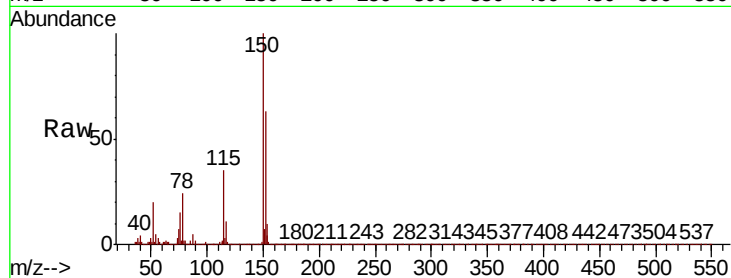


#1

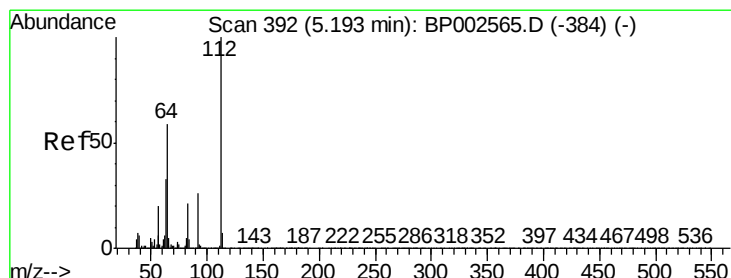
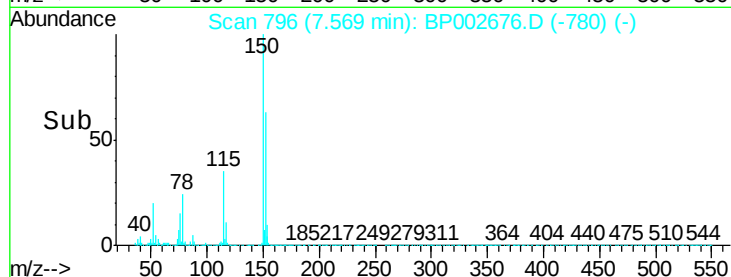
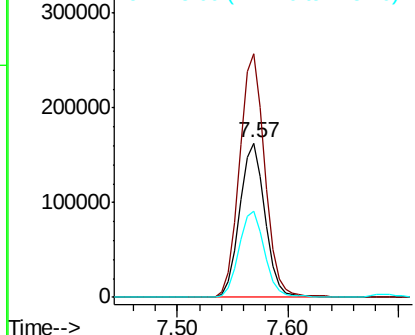
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Instrument :
BNA_P
ClientSampleId :
MW-14DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.2	186.2
115	55.8	47.1	70.7



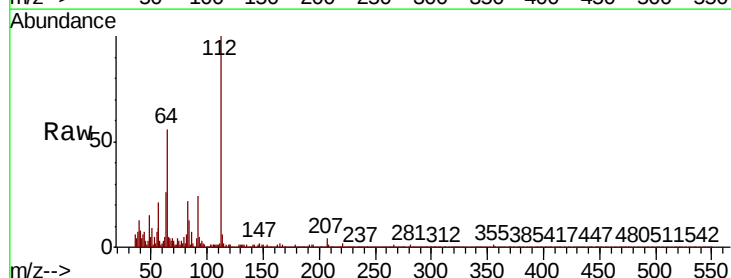
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



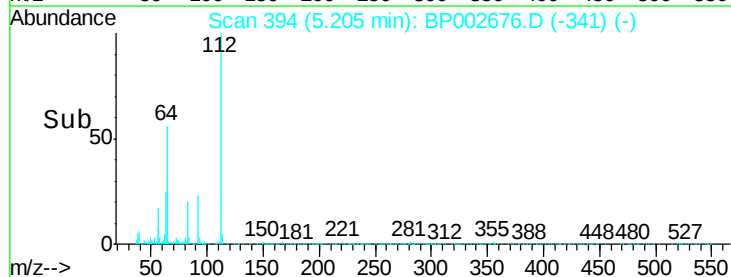
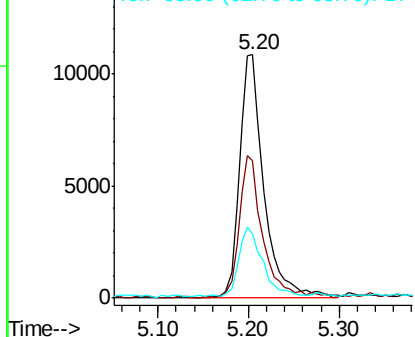
#5

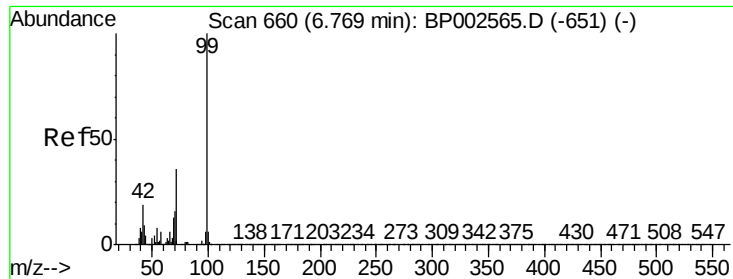
2-Fluorophenol
Concen: 1.295 ng
RT: 5.20 min Scan# 394
Delta R.T. 0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.0	70.6
63	26.4	26.1	39.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 0.684 ng

RT: 6.79 min Scan# 663

Delta R.T. 0.02 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Instrument :

BNA_P

ClientSampleId :

MW-14DL2

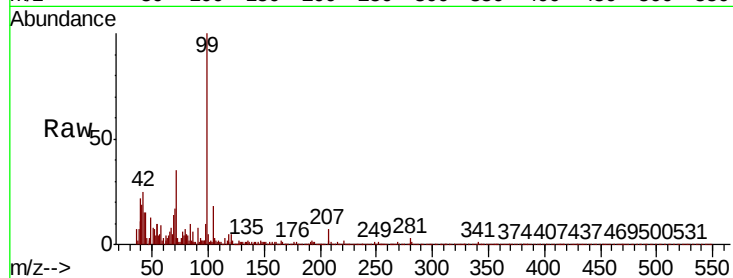
Tot Ion: 99 Resp: 14841

Ion Ratio Lower Upper

99 100

42 25.1 15.5 23.3#

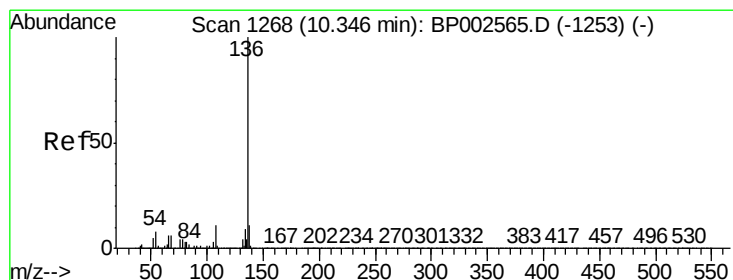
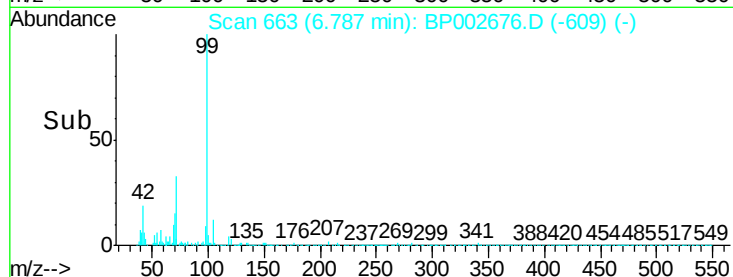
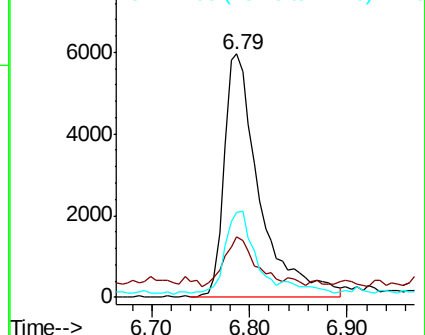
71 35.0 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Tgt Ion: 136 Resp: 1096522

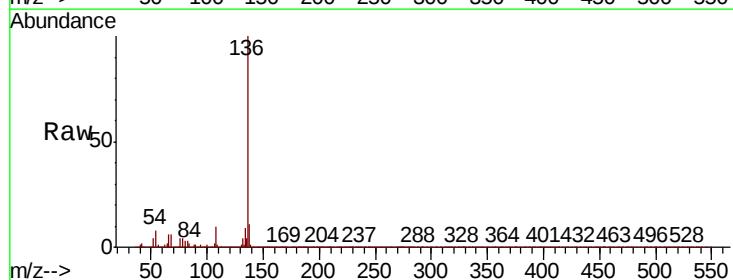
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.8 6.4 9.6

68 6.4 5.1 7.7

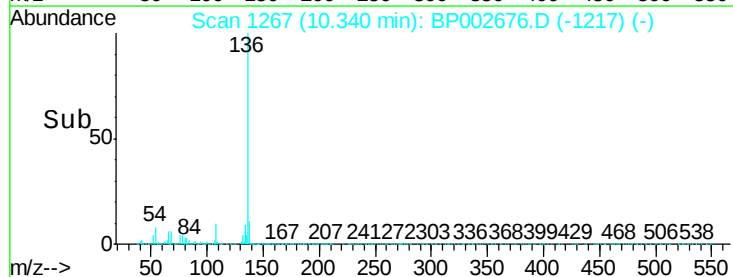
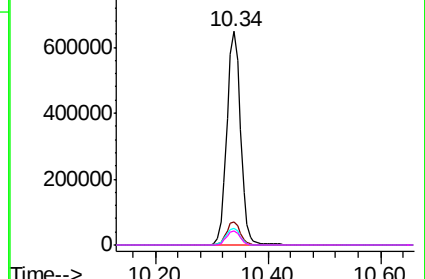


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

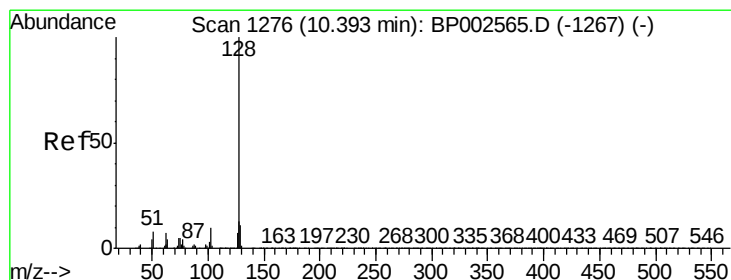
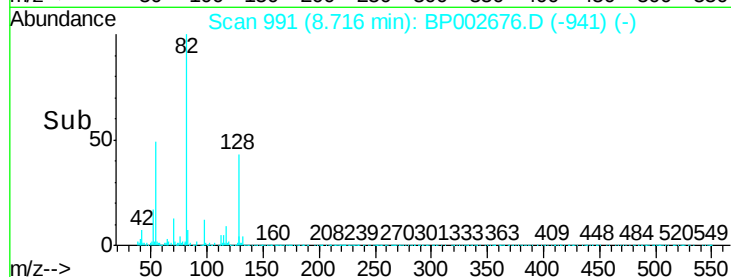
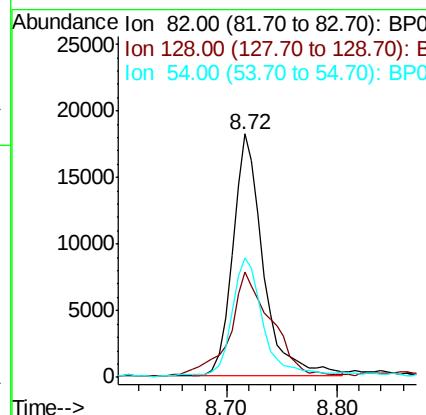
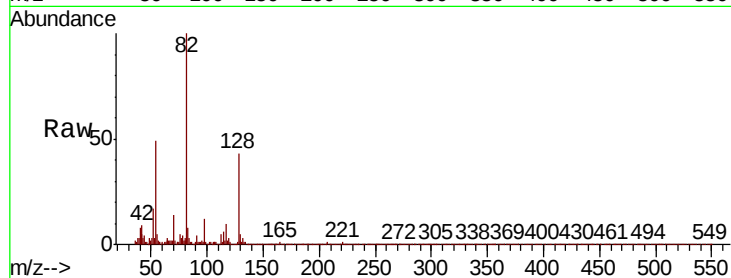




#23
Nitrobenzene-d5
Concen: 1.648 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

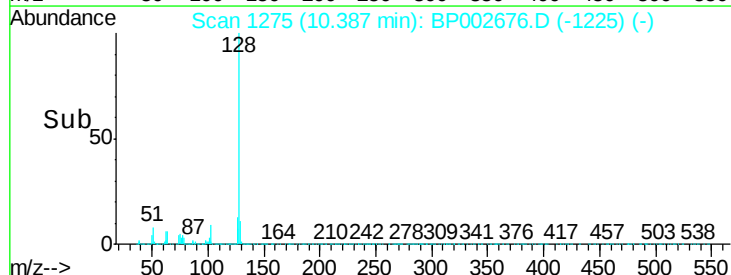
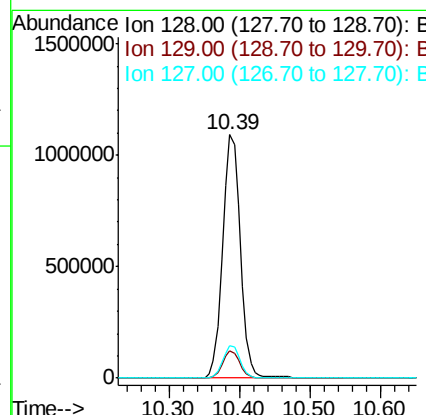
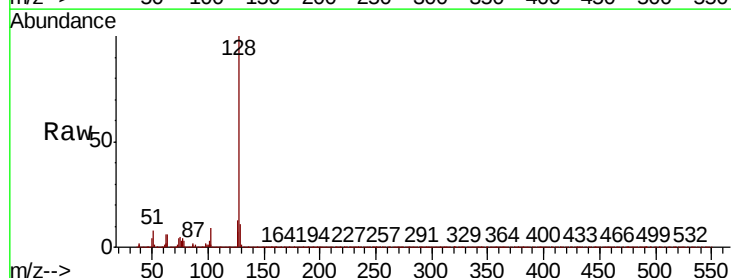
Instrument :
BNA_P
ClientSampleId :
MW-14DL2

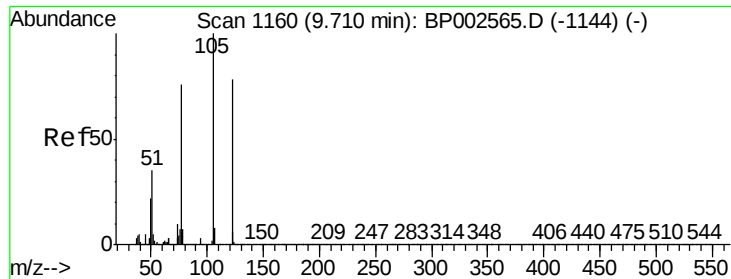
Tot Ion	82	Resp	35071
Ion Ratio	Lower	Upper	
82	100		
128	43.1	33.4	50.2
54	48.9	40.1	60.1



#31
Naphthalene
Concen: 32.808 ng
RT: 10.39 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Tgt Ion	128	Resp	1904412
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	13.0
127	13.4	10.3	15.5





#32

Benzoic acid

Concen: 8.712 ng

RT: 9.72 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Instrument :

BNA_P

ClientSampleId :

MW-14DL2

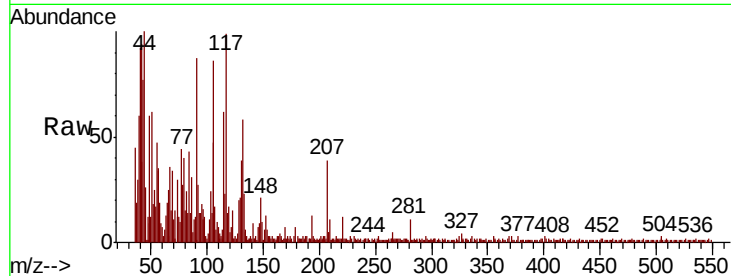
Tot Ion:122 Resp: 196

Ion Ratio Lower Upper

122 100

105 498.6 106.6 146.6#

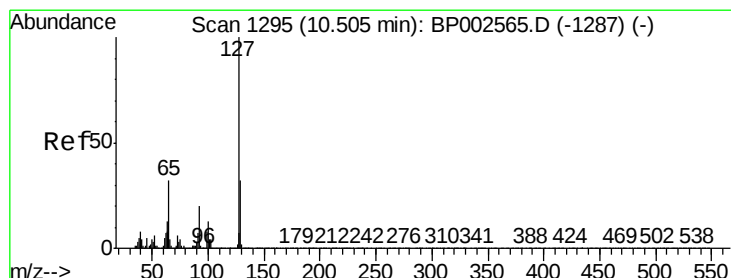
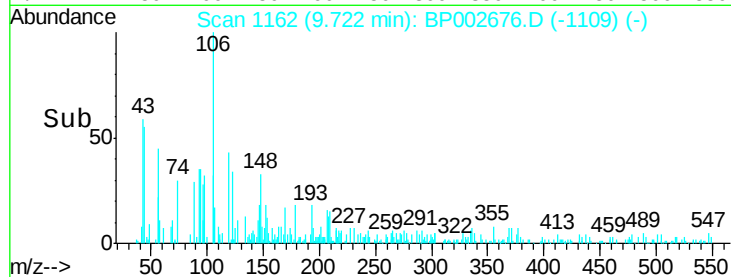
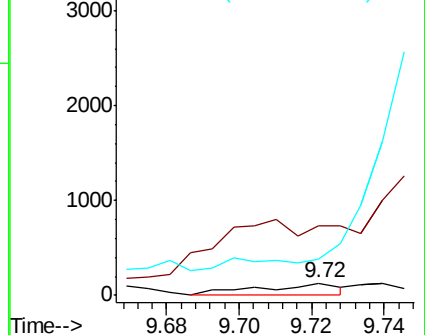
77 255.4 76.5 116.5#



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): BP0



#33

4-Chloroaniline

Concen: 9.749 ng

RT: 10.39 min Scan# 1275

Delta R.T. -0.12 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Tgt Ion:127 Resp: 247538

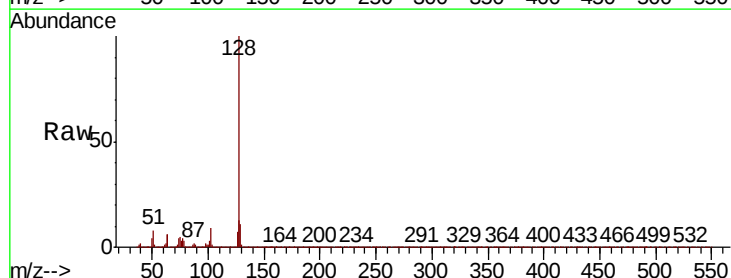
Ion Ratio Lower Upper

127 100

129 85.0 25.7 38.5#

65 0.0 25.7 38.5#

92 0.1 16.1 24.1#

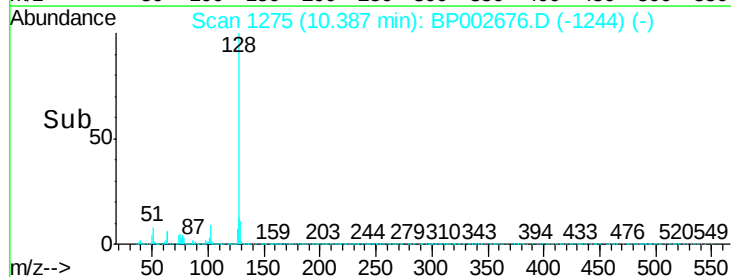
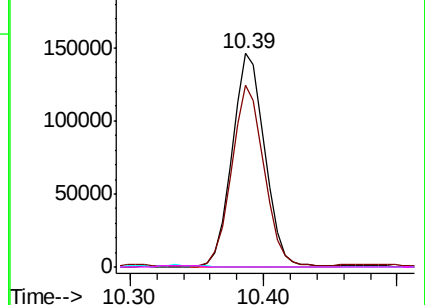


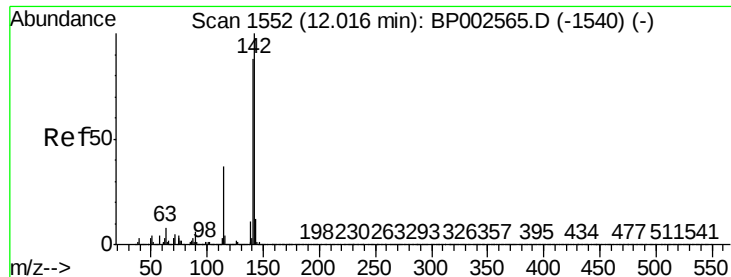
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BP0

Ion 92.00 (91.70 to 92.70): BP0

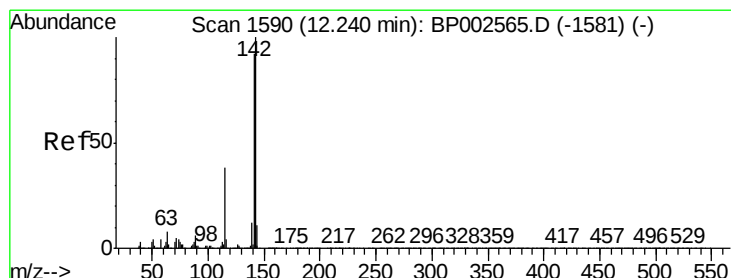
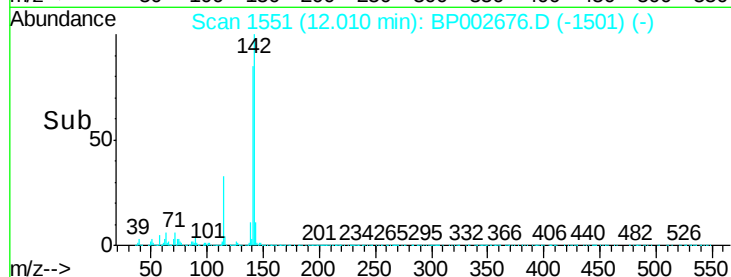
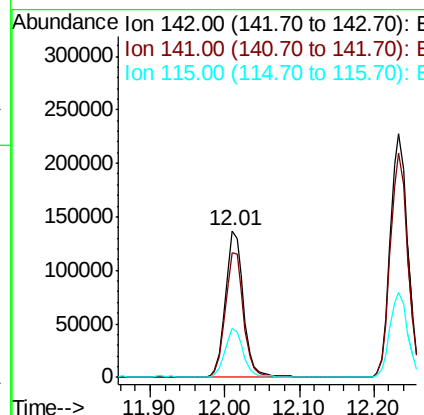
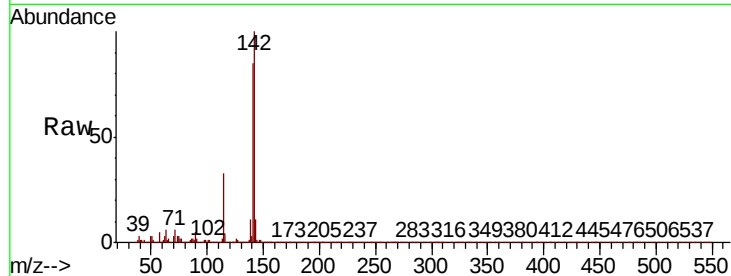




#37
2-Methylnaphthalene
Concen: 5.438 ng
RT: 12.01 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

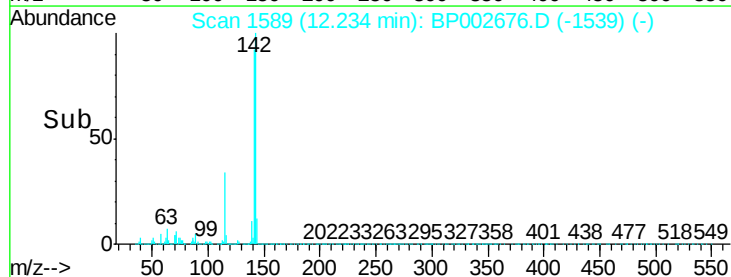
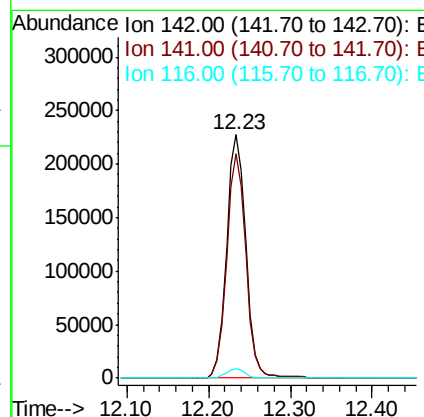
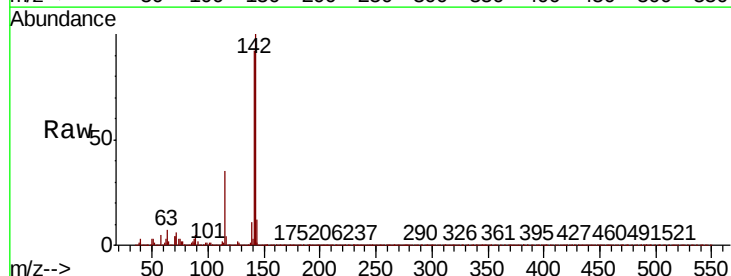
Instrument :
BNA_P
ClientSampleId :
MW-14DL2

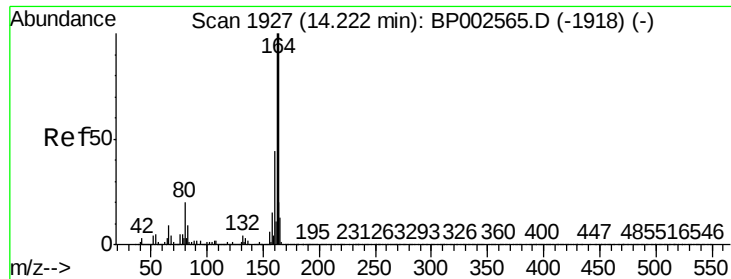
Tot Ion	Ratio	Lower	Upper
142	100		
141	84.7	70.7	106.1
115	33.5	29.7	44.5



#38
1-Methylnaphthalene
Concen: 9.281 ng
RT: 12.23 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.2
116	3.8	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Instrument :

BNA_P

ClientSampleId :

MW-14DL2

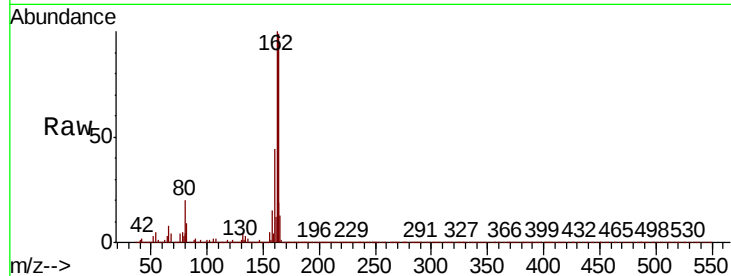
Tot Ion:164 Resp: 712292

Ion Ratio Lower Upper

164 100

162 101.2 80.3 120.5

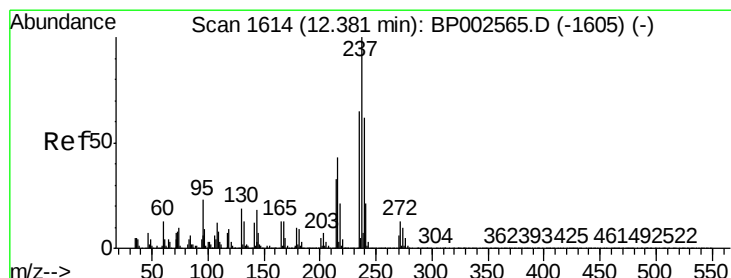
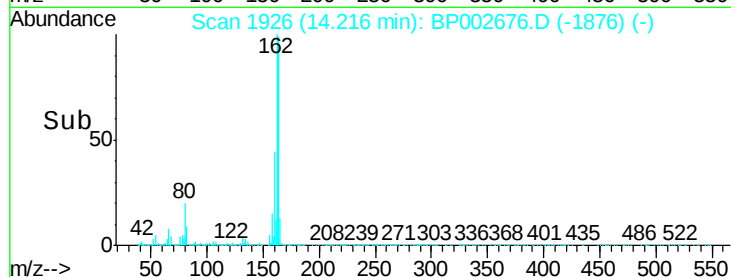
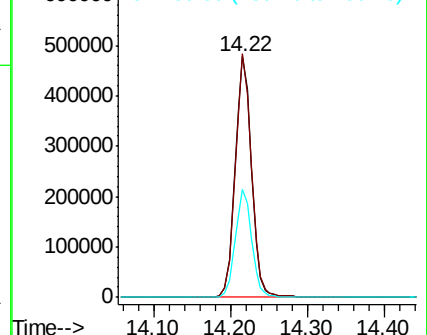
160 44.9 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 4.383 ng

RT: 12.29 min Scan# 1598

Delta R.T. -0.09 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

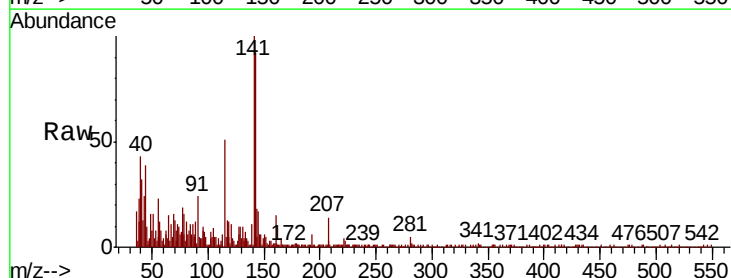
Tgt Ion:237 Resp: 16

Ion Ratio Lower Upper

237 100

235 75.0 45.4 85.4

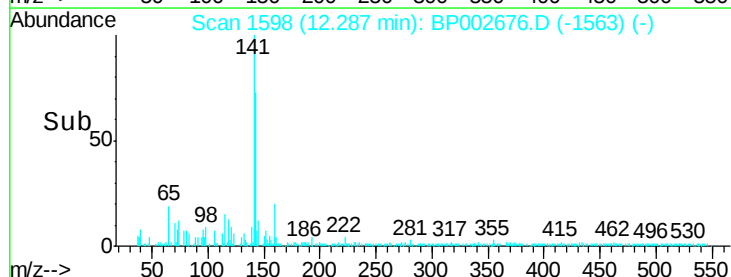
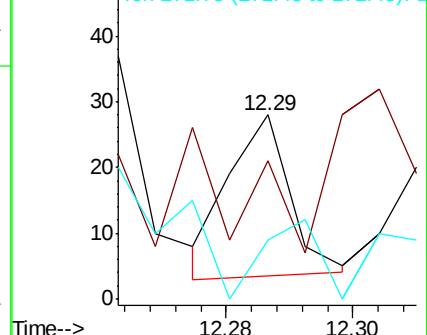
272 32.1 0.0 32.6

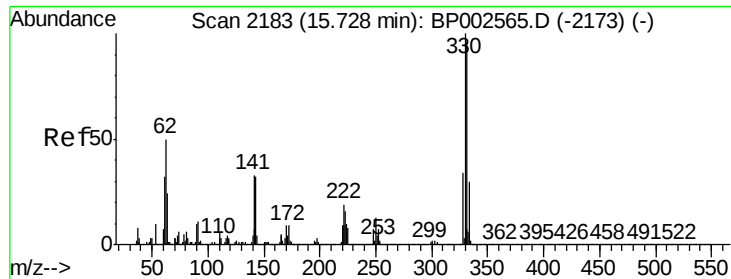


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

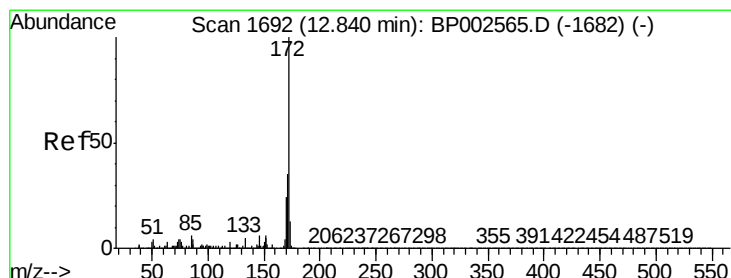
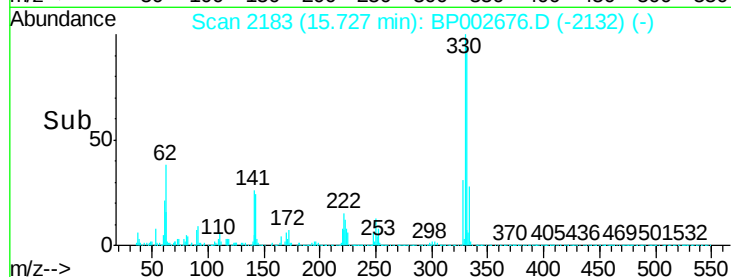
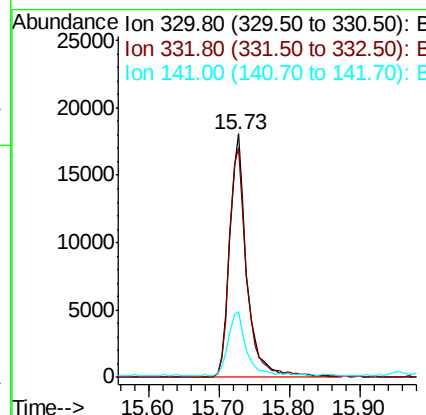
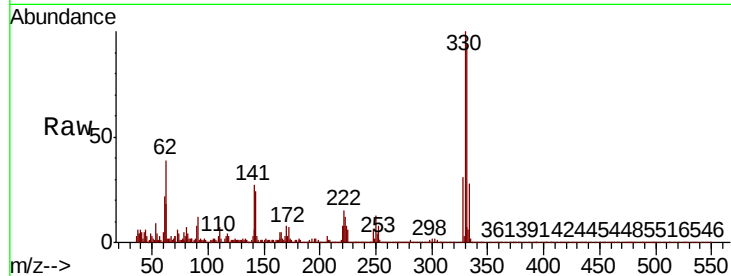




#42
 2,4,6-Tribromophenol
 Concen: 3.525 ng
 RT: 15.73 min Scan# 2183
 Delta R.T. -0.00 min
 Lab File: BP002676.D
 Acq: 08 Jul 2020 15:44

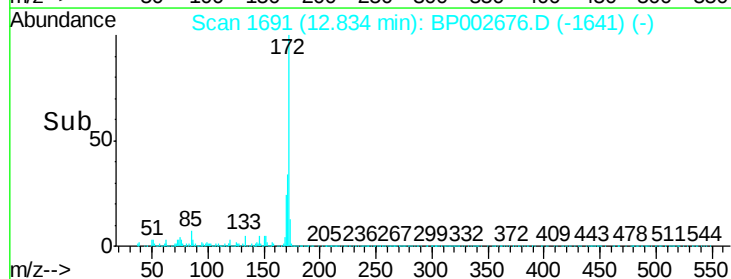
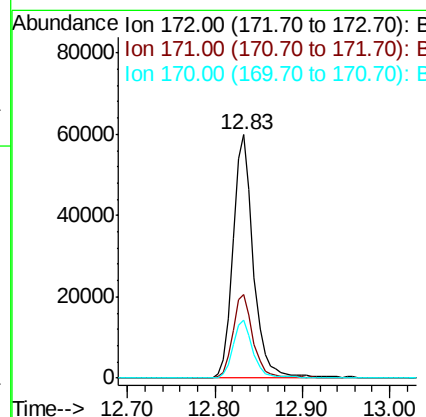
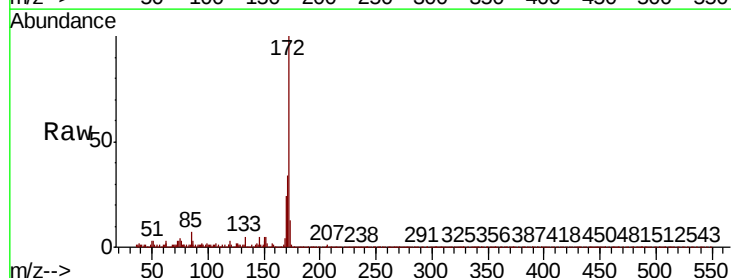
Instrument :
 BNA_P
 ClientSampleId :
 MW-14DL2

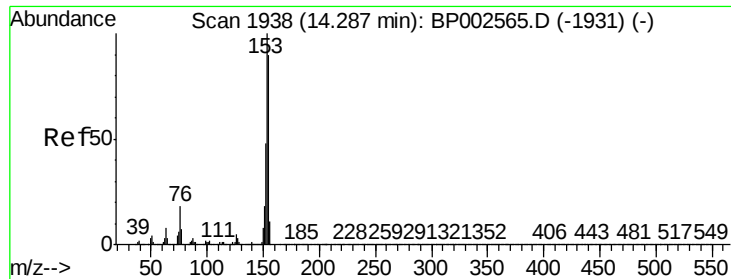
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.7	116.5
141	26.8	29.0	43.6



#45
 2-Fluorobiphenyl
 Concen: 1.978 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002676.D
 Acq: 08 Jul 2020 15:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.0	42.0
170	24.1	19.0	28.4





#52

Acenaphthene

Concen: 2.388 ng

RT: 14.28 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Instrument :

BNA_P

ClientSampled :

MW-14DL2

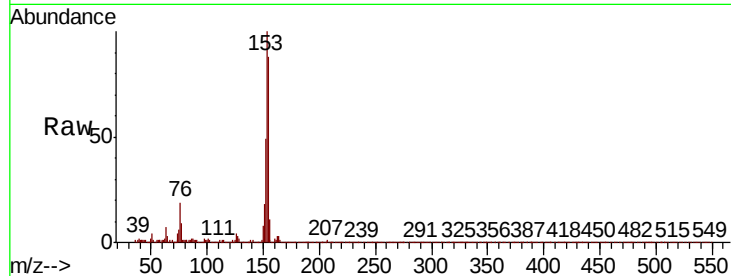
Tot Ion:154 Resp: 97261

Ion Ratio Lower Upper

154 100

153 113.5 89.1 133.7

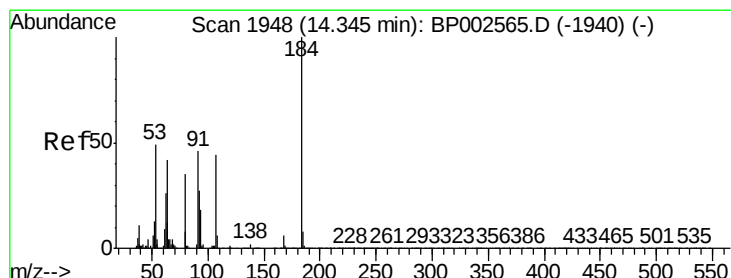
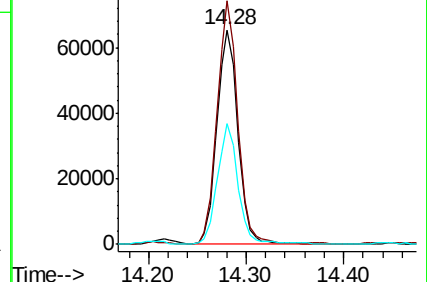
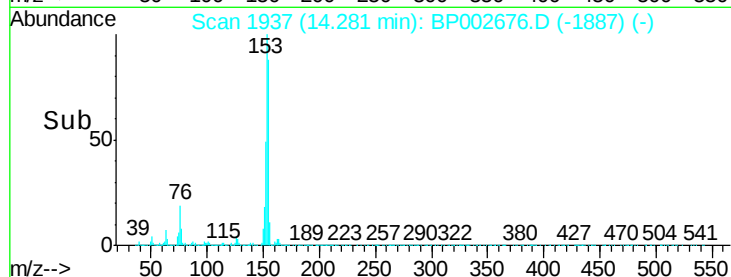
152 56.0 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 6.012 ng

RT: 14.35 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

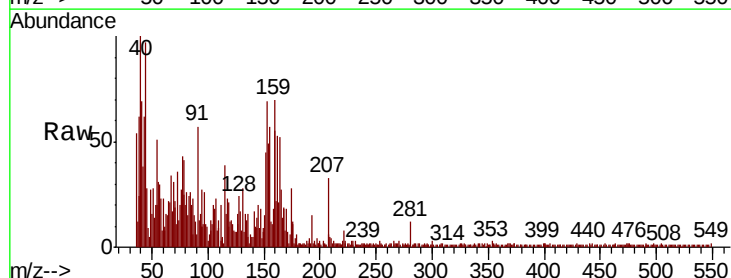
Tgt Ion:184 Resp: 24

Ion Ratio Lower Upper

184 100

63 465.6 56.2 84.2#

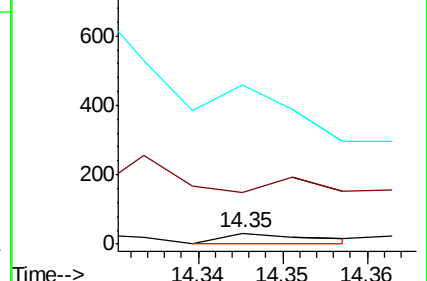
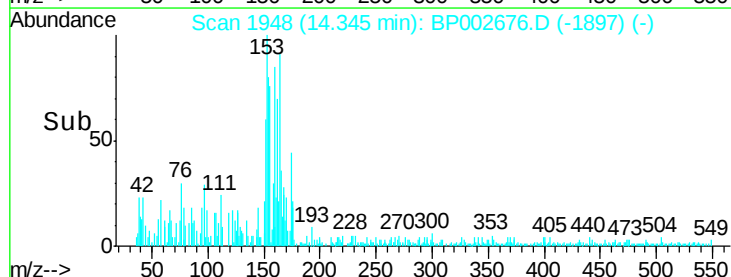
154 1431.3 50.9 76.3#

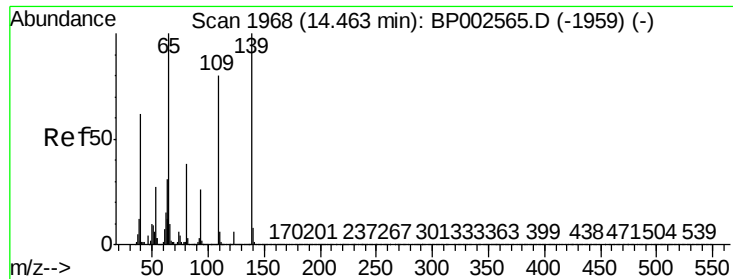


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

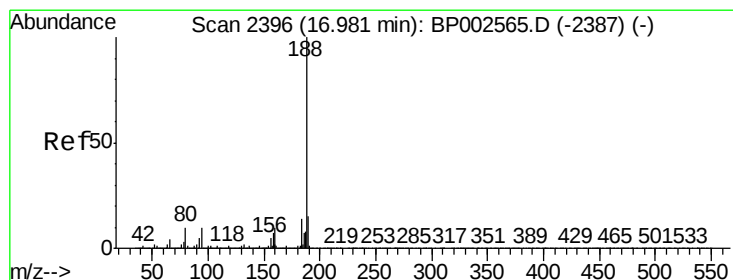
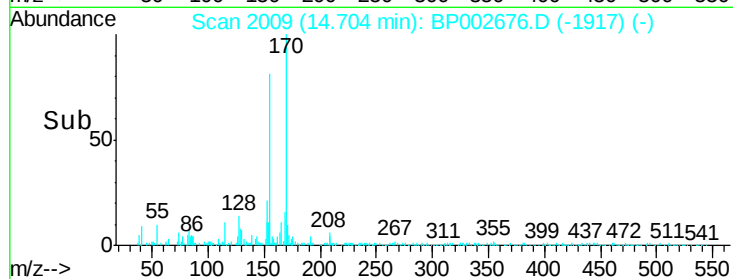
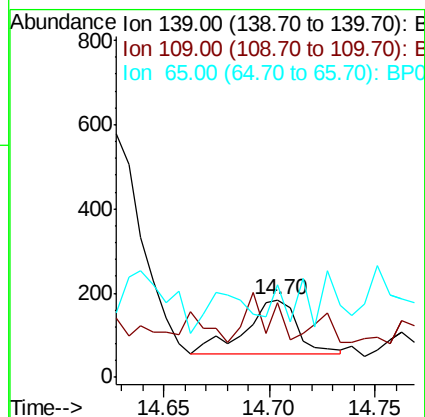
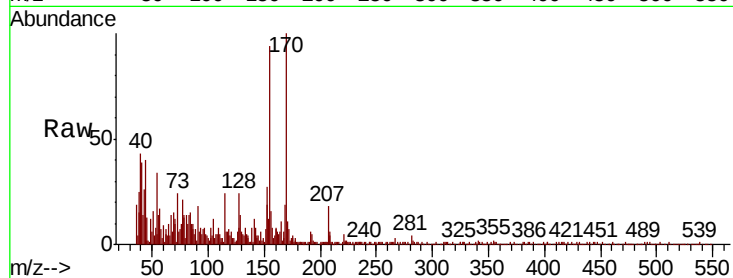




#56
4-Nitrophenol
Concen: 2.457 ng
RT: 14.70 min Scan# 2009
Delta R.T. 0.24 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

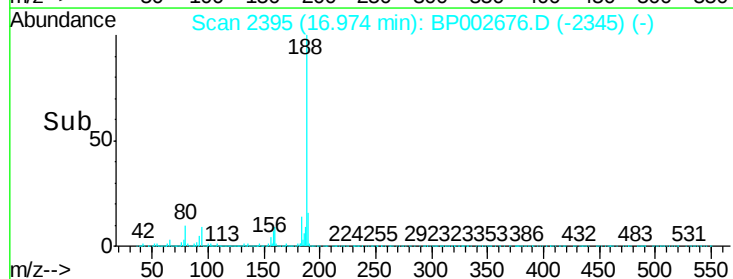
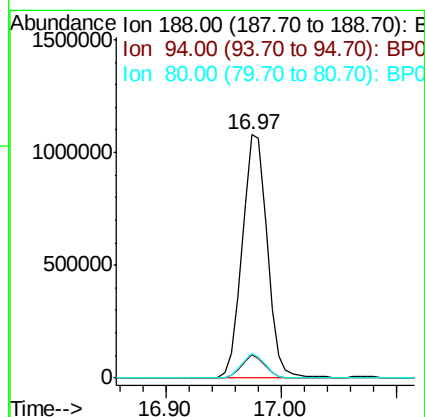
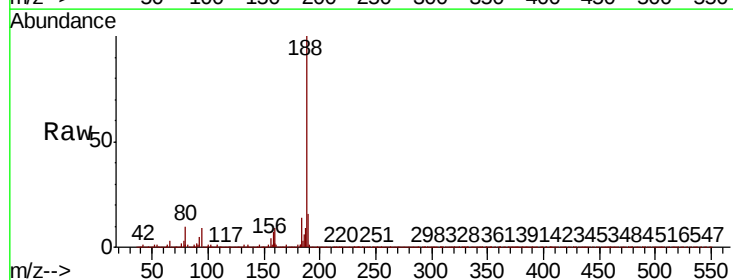
Instrument :
BNA_P
ClientSampled :
MW-14DL2

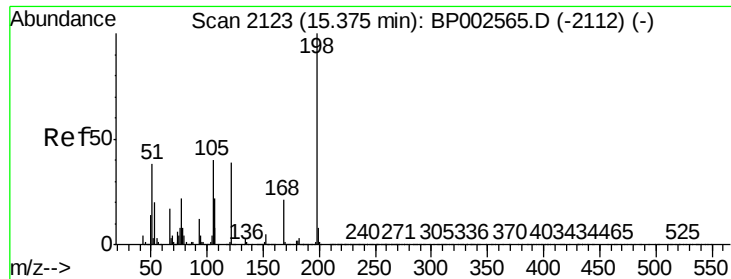
Tot Ion:139 Resp: 222
Ion Ratio Lower Upper
139 100
109 95.7 60.1 100.1
65 119.5 80.3 120.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Tgt Ion:188 Resp: 1617586
Ion Ratio Lower Upper
188 100
94 9.4 7.8 11.6
80 10.2 8.2 12.4

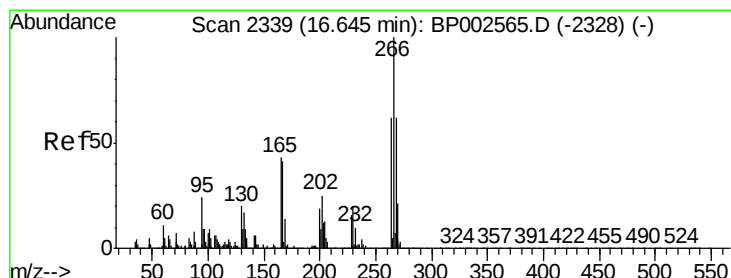
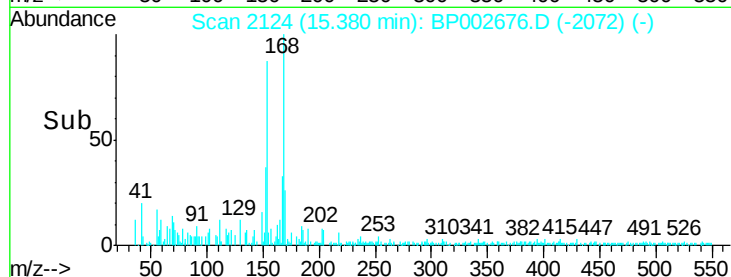
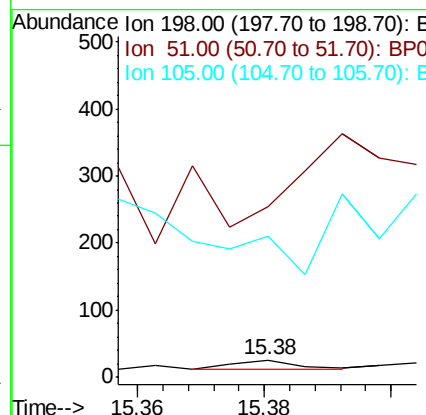
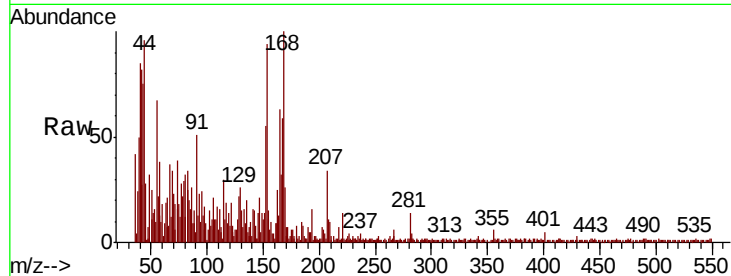




#65
4,6-Dinitro-2-methylphenol
Concen: 2.711 ng
RT: 15.38 min Scan# 2124
Delta R.T. 0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

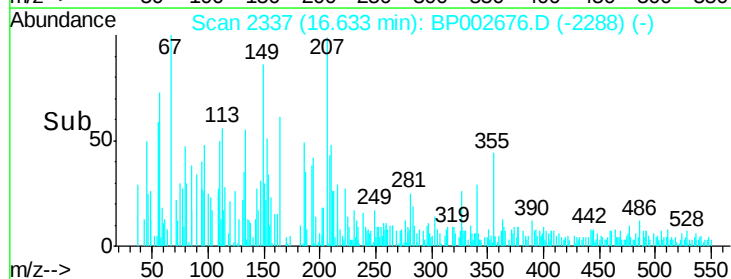
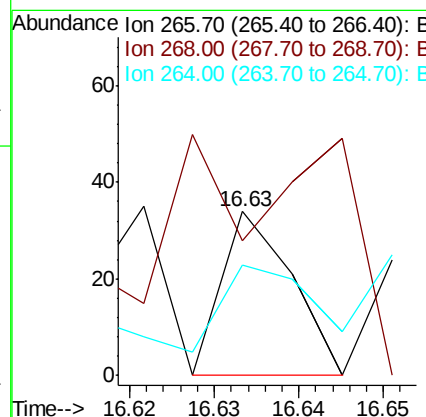
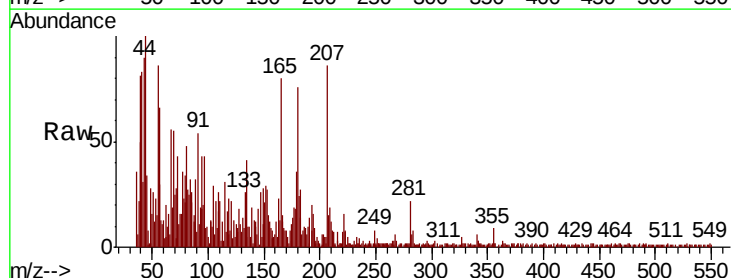
Instrument :
BNA_P
ClientSampleId :
MW-14DL2

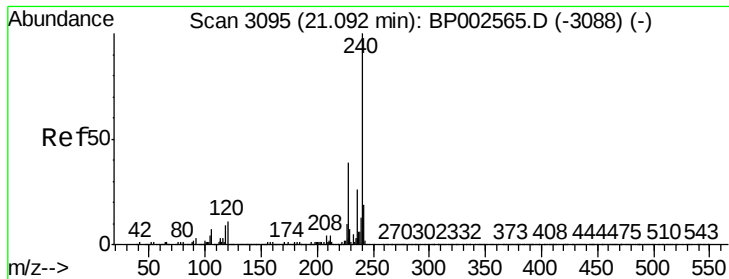
Tot Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 976.9 24.2 64.2#
105 811.5 20.7 60.7#



#70
Pentachlorophenol
Concen: 2.663 ng
RT: 16.63 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Tgt Ion:266 Resp: 19
Ion Ratio Lower Upper
266 100
268 82.4 49.7 74.5#
264 67.6 49.3 73.9

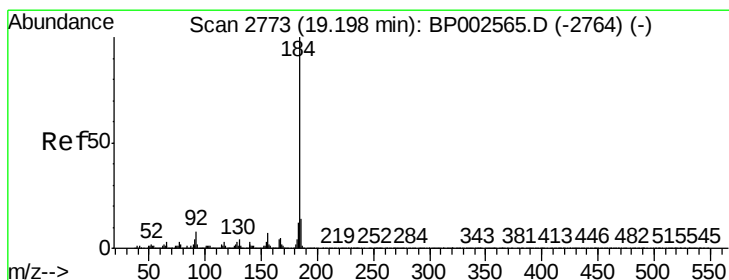
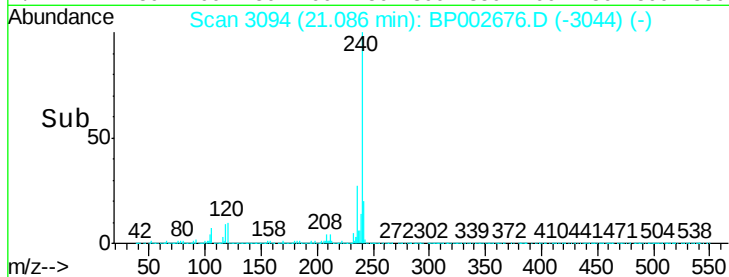
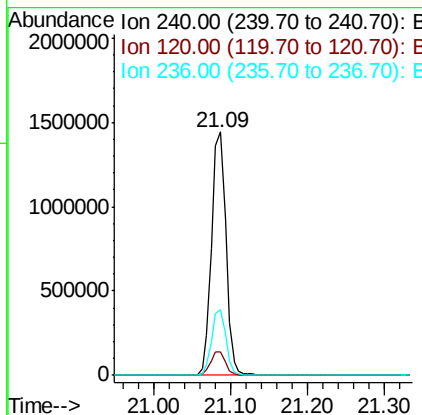
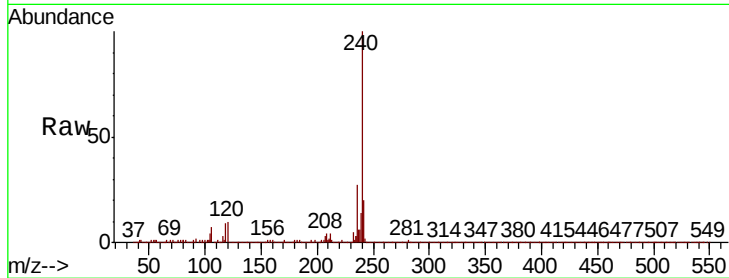




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

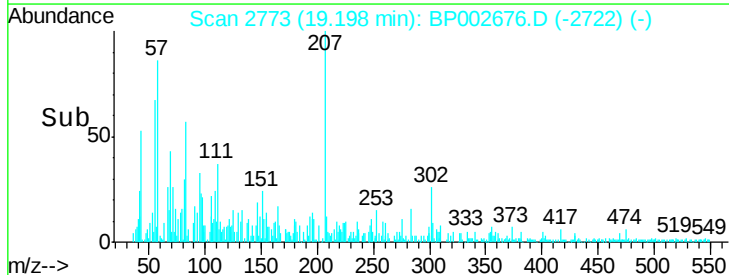
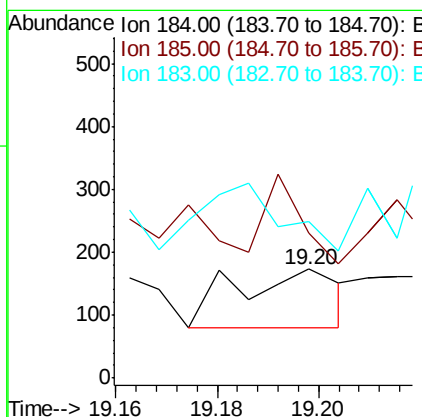
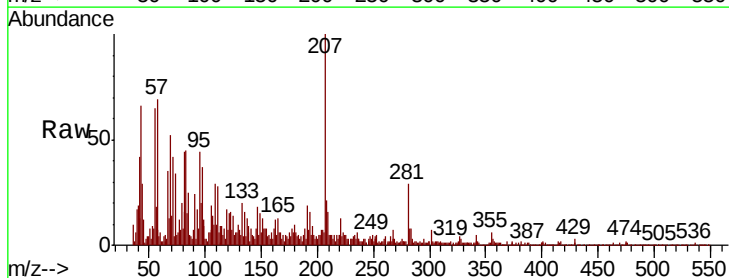
Instrument :
BNA_P
ClientSampleId :
MW-14DL2

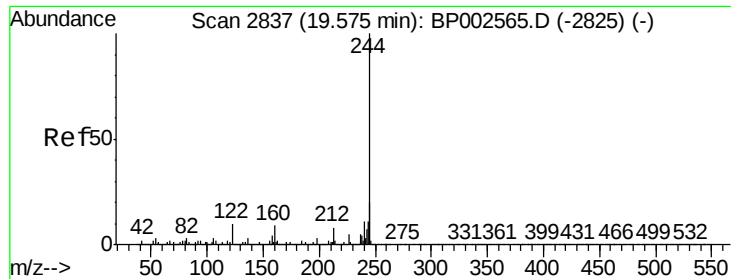
Tot Ion:240 Resp: 1853785
Ion Ratio Lower Upper
240 100
120 9.6 8.6 13.0
236 26.8 20.8 31.2



#77
Benzidine
Concen: 3.758 ng
RT: 19.20 min Scan# 2773
Delta R.T. -0.00 min
Lab File: BP002676.D
Acq: 08 Jul 2020 15:44

Tgt Ion:184 Resp: 129
Ion Ratio Lower Upper
184 100
185 132.9 11.4 17.2#
183 143.4 9.2 13.8#





#79

Terphenyl-d14

Concen: 2.277 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

Instrument :

BNA_P

ClientSampleId :

MW-14DL2

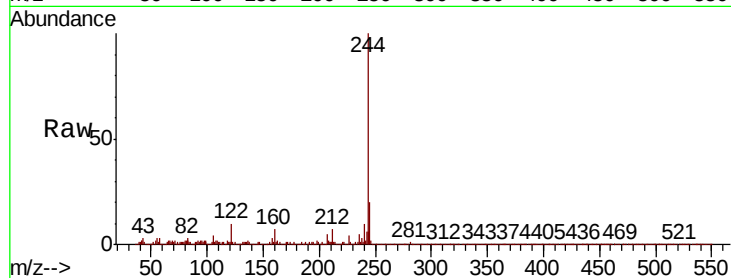
Tot Ion:244 Resp: 195570

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

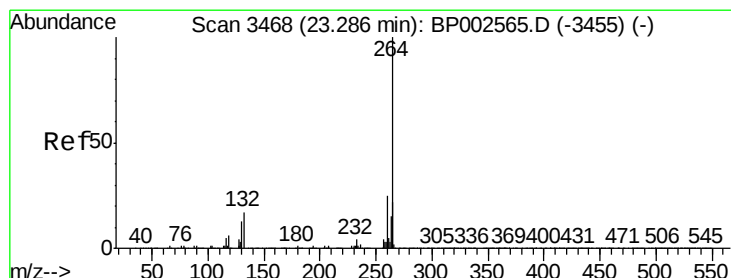
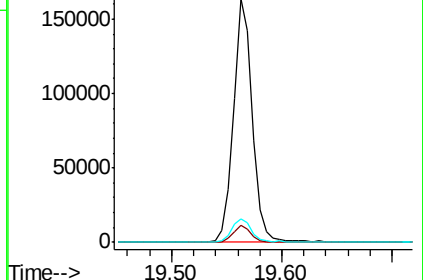
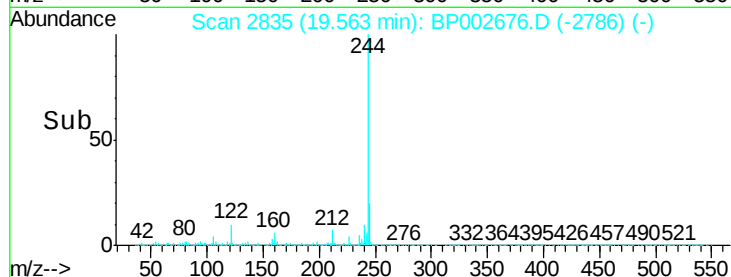
122 9.8 7.9 11.9



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002676.D

Acq: 08 Jul 2020 15:44

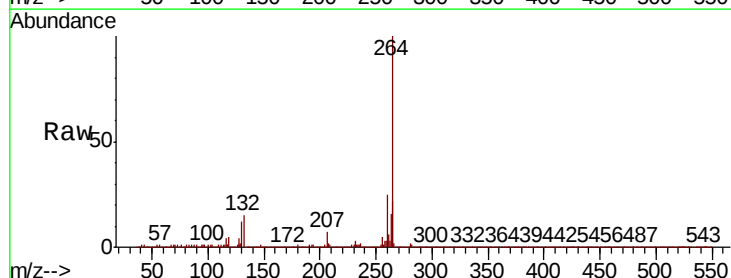
Tgt Ion:264 Resp: 1786208

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 22.3 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

