

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002672.D
 Acq On : 08 Jul 2020 13:28
 Operator : CG/JU
 Sample : L3215-11DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-14DL

Quant Time: Jul 08 14:08:16 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	227487	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	946524	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	607743	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1403173	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1638363	20.00	ng	0.00
86) Perylene-d12	23.28	264	1582007	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	97107	7.23	ng	0.00
7) Phenol-d6	6.77	99	78630	4.19	ng	0.00
23) Nitrobenzene-d5	8.72	82	186854	10.17	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	148009	20.02	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	448609	10.86	ng	0.00
79) Terphenyl-d14	19.56	244	911949	12.01	ng	-0.01

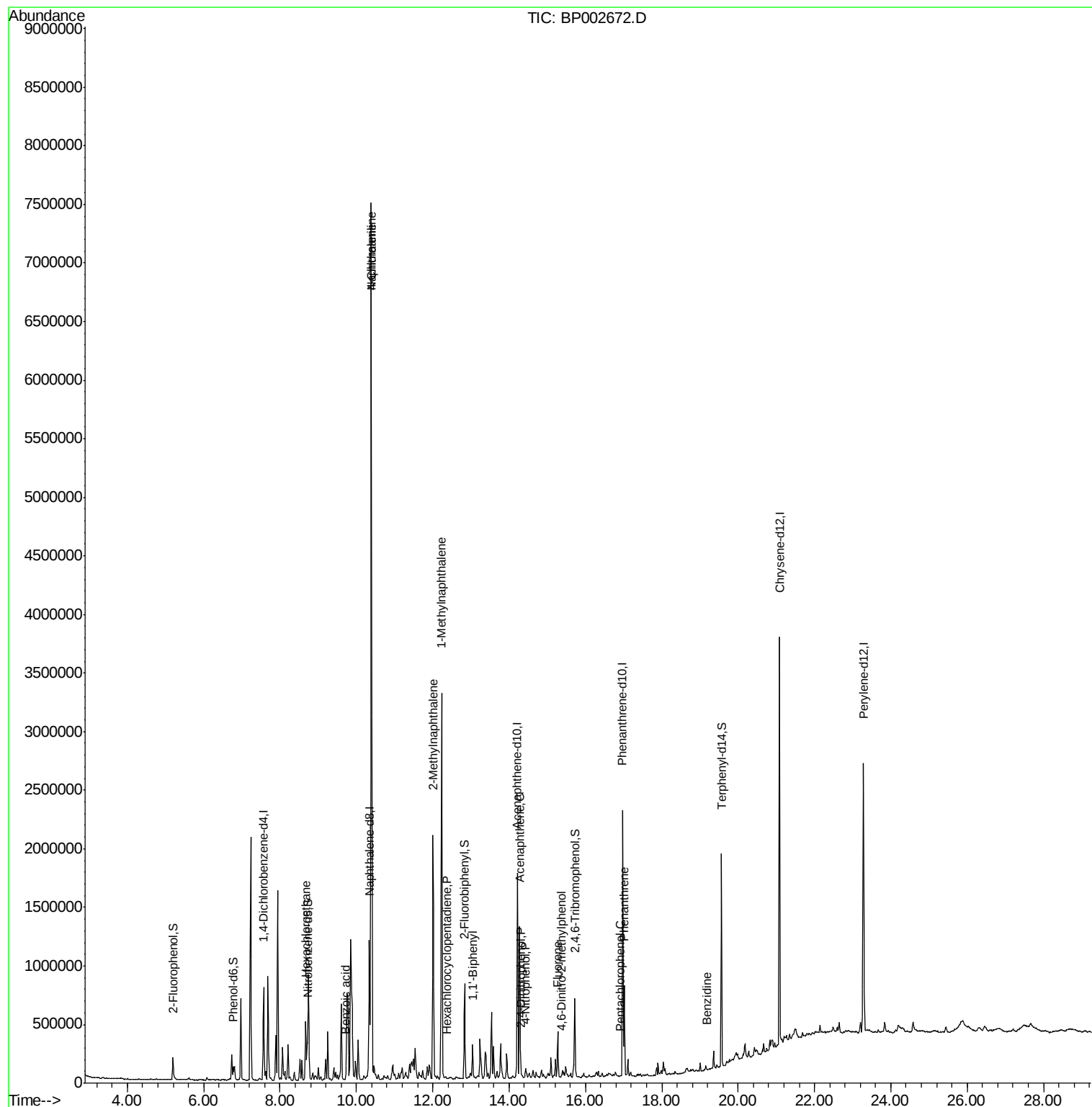
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.67	117	48070	7.591	ng	# 1
31) Naphthalene	10.39	128	6772452	135.161	ng	98
32) Benzoic acid	9.71	122	169	8.712	ng	# 1
33) 4-Chloroaniline	10.39	127	914897	41.743	ng	# 32
37) 2-Methylnaphthalene	12.01	142	1065138	29.154	ng	97
38) 1-Methylnaphthalene	12.23	142	1660949	48.272	ng	98
41) Hexachlorocyclopentadiene	12.38	237	12	4.383	ng	85
46) 1,1'-Biphenyl	13.05	154	155858	3.390	ng	99
52) Acenaphthene	14.28	154	449376	12.933	ng	97
54) 2,4-Dinitrophenol	14.32	184	115	6.025	ng	# 1
56) 4-Nitrophenol	14.43	139	2282	2.686	ng	# 51
58) Fluorene	15.27	166	179388	4.183	ng	98
65) 4,6-Dinitro-2-methylphenol	15.37	198	31	2.713	ng	# 1
70) Pentachlorophenol	16.90	266	33	2.665	ng	88
71) Phenanthrene	17.02	178	478066	6.332	ng	99
77) Benzidine	19.19	184	126	3.758	ng	# 1

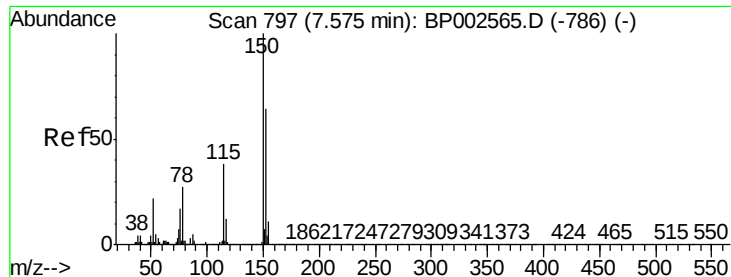
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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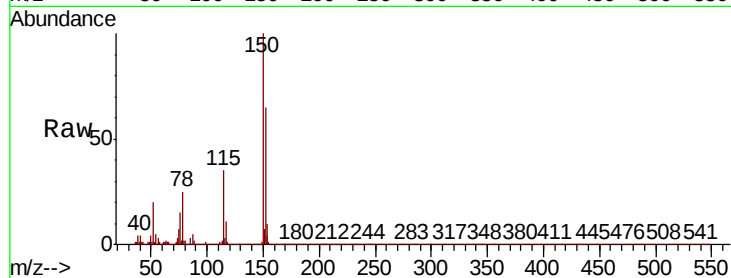


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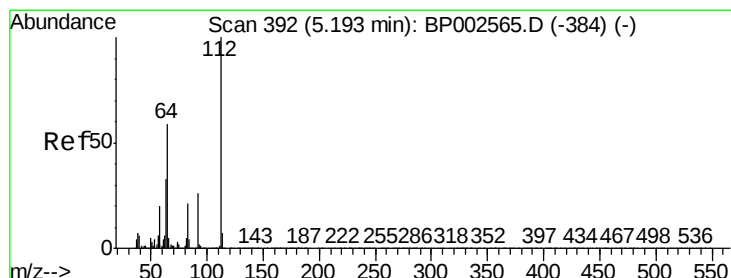
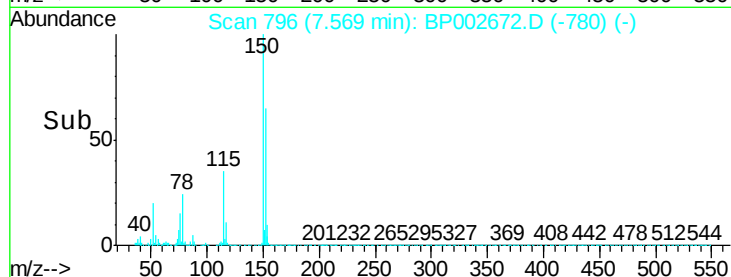
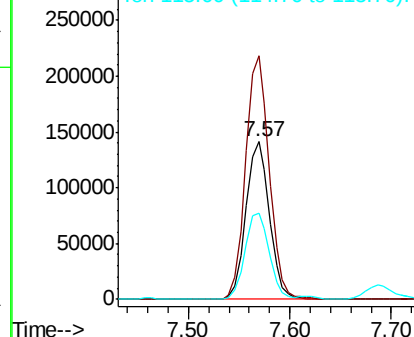
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Instrument :
BNA_P
ClientSampled :
MW-14DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.2
115	54.9	47.1	70.7



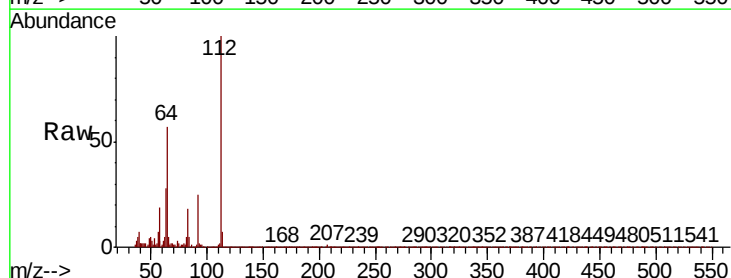
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



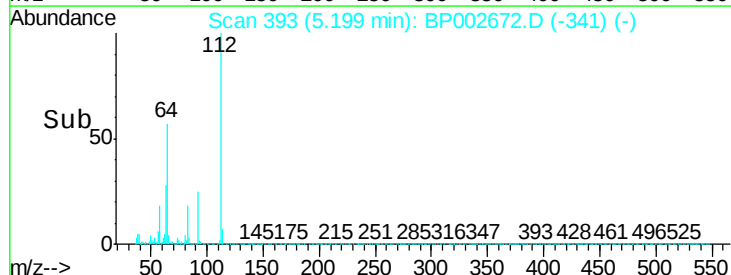
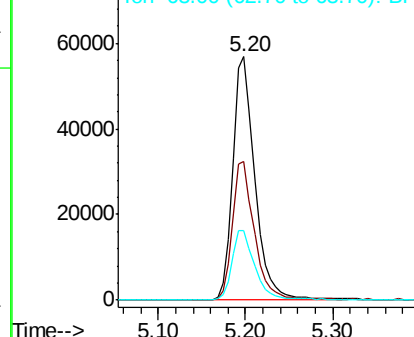
#5

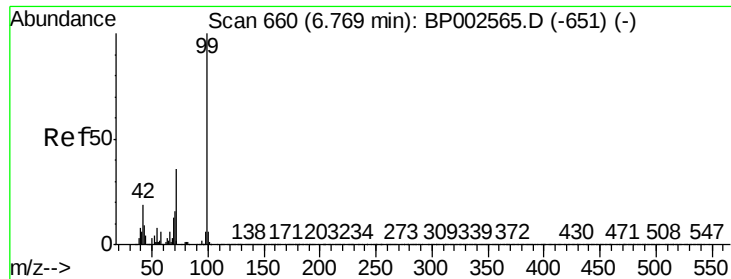
2-Fluorophenol
Concen: 7.227 ng
RT: 5.20 min Scan# 393
Delta R.T. 0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.0	70.6
63	28.4	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: 4.193 ng

RT: 6.77 min Scan# 661

Delta R.T. 0.01 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

Instrument :

BNA_P

ClientSampled :

MW-14DL

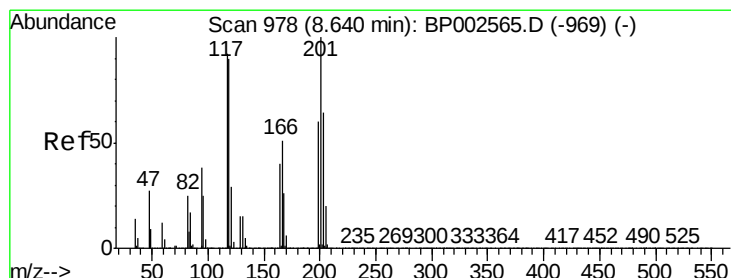
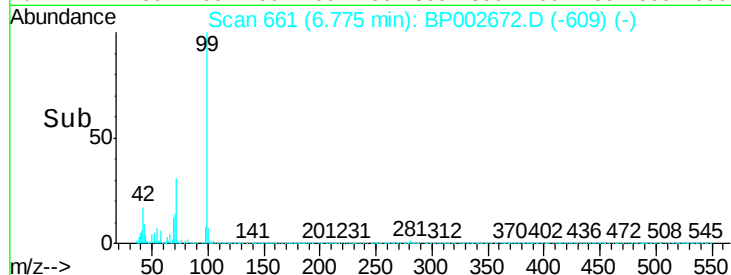
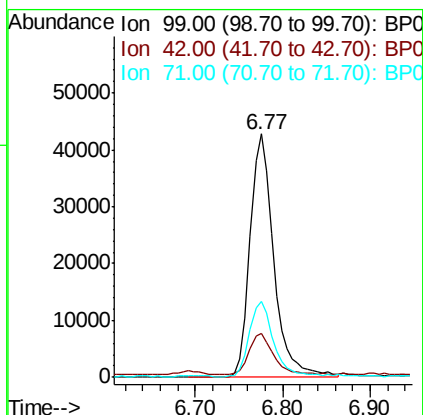
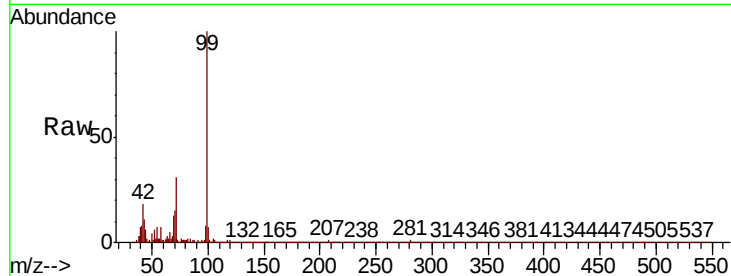
Tot Ion: 99 Resp: 78630

Ion Ratio Lower Upper

99 100

42 17.8 15.5 23.3

71 31.3 28.9 43.3



#18

Hexachloroethane

Concen: 7.591 ng

RT: 8.67 min Scan# 983

Delta R.T. 0.03 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

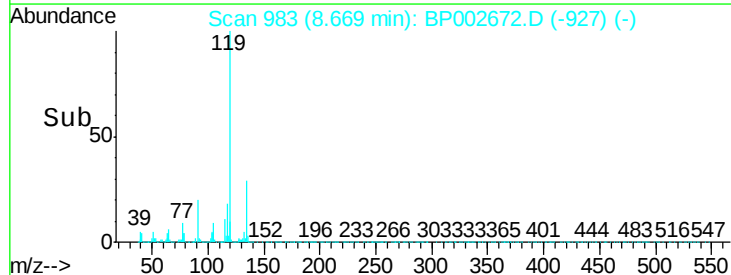
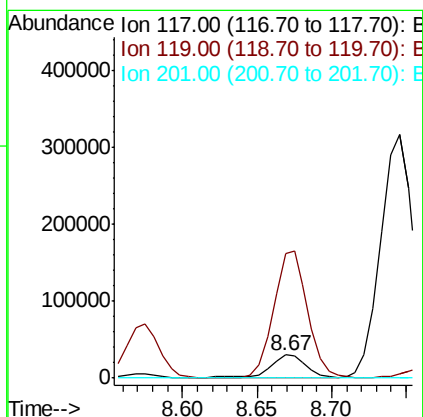
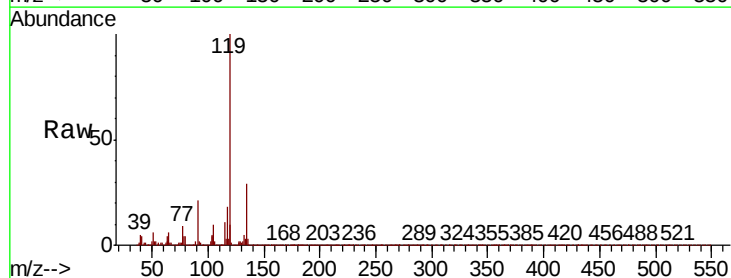
Tgt Ion: 117 Resp: 48070

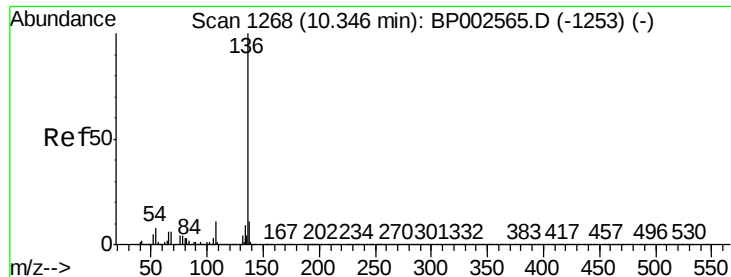
Ion Ratio Lower Upper

117 100

119 547.8 78.2 117.4#

201 0.1 87.0 130.6#

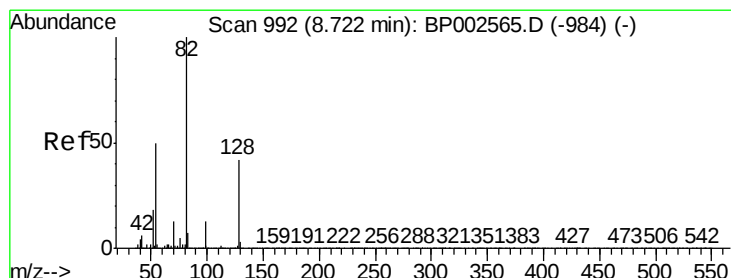
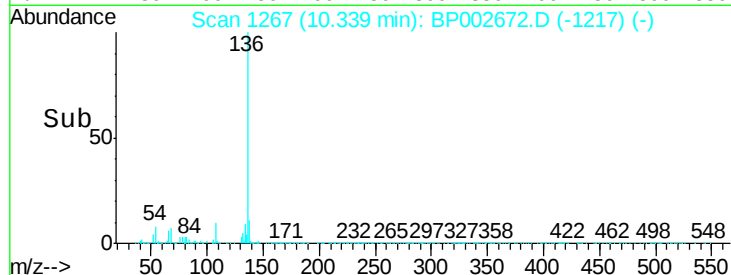
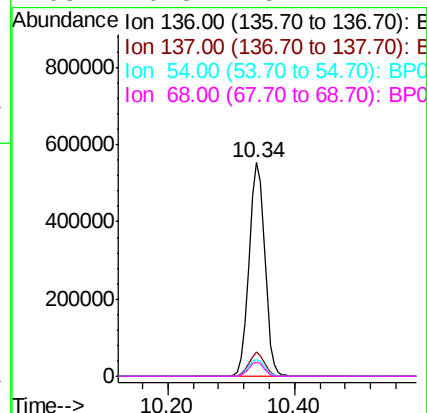
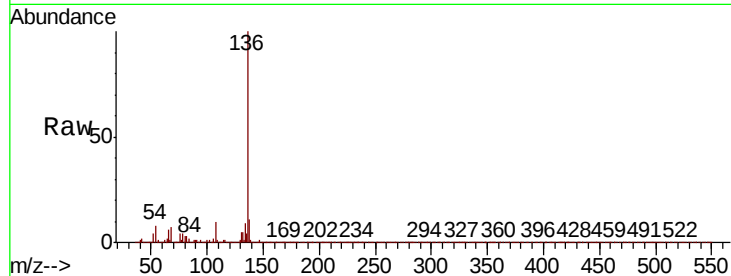




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

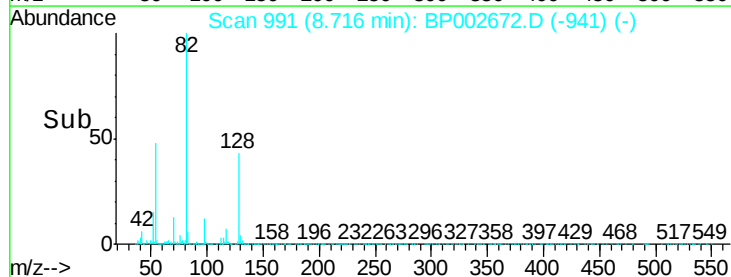
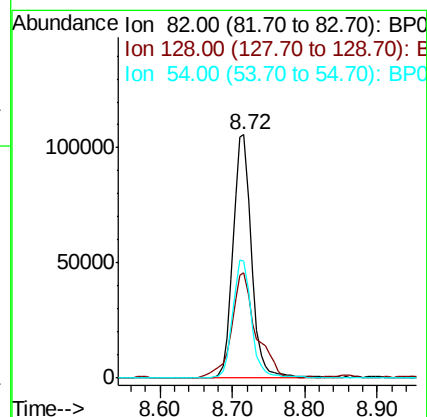
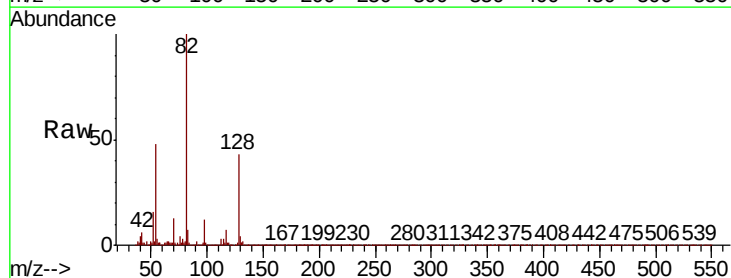
Instrument :
BNA_P
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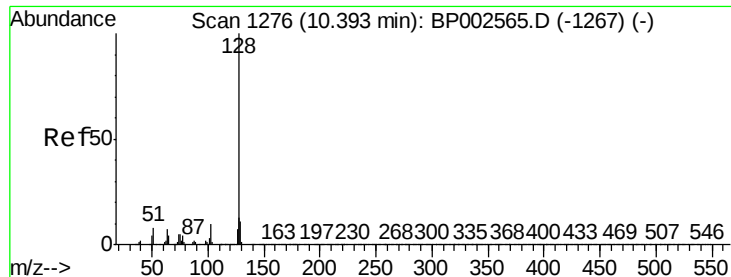
Tot Ion:136	Resp:	946524
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.8 13.2
54	7.9	6.4 9.6
68	6.8	5.1 7.7



#23
Nitrobenzene-d5
Concen: 10.172 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion: 82	Resp:	186854
Ion Ratio	Lower	Upper
82	100	
128	43.4	33.4 50.2
54	47.9	40.1 60.1

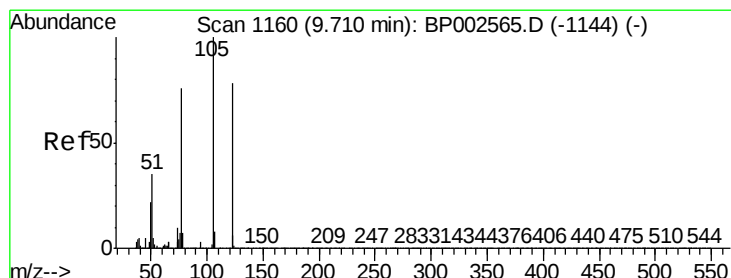
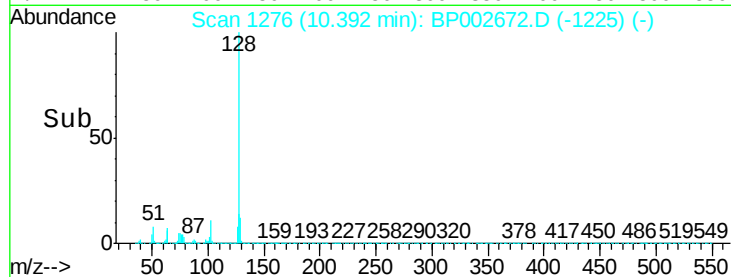
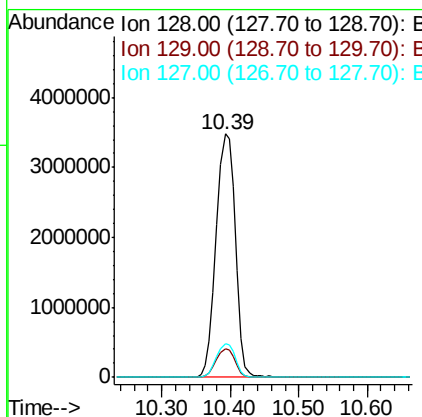
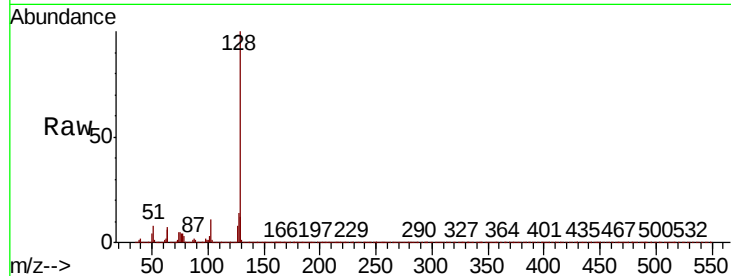




#31
Naphthalene
Concen: 135.161 ng
RT: 10.39 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

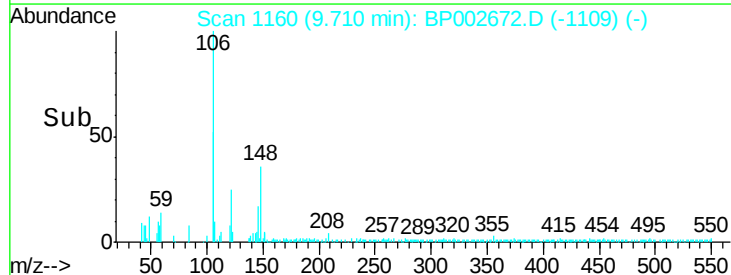
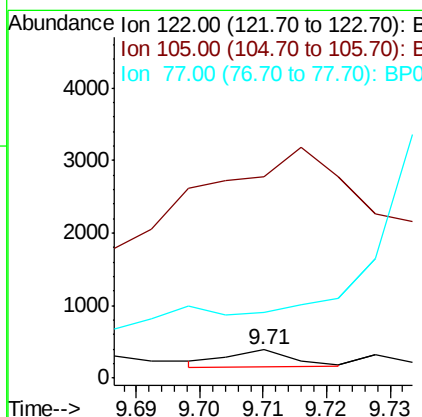
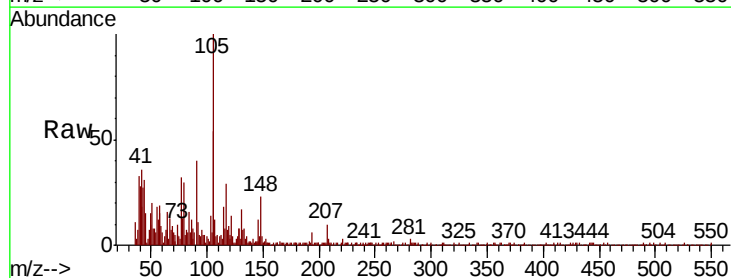
Instrument :
BNA_P
ClientSampleId :
MW-14DL

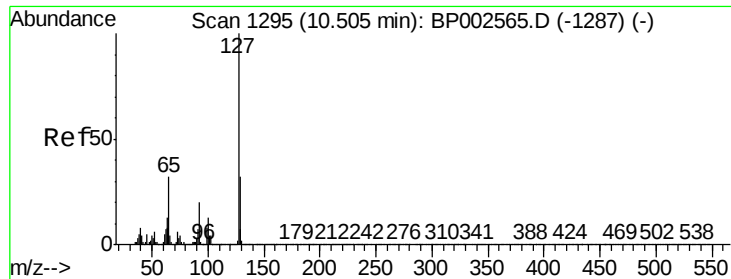
Tot Ion:128 Resp: 6772452
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.8 10.3 15.5



#32
Benzoic acid
Concen: 8.712 ng
RT: 9.71 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion:122 Resp: 169
Ion Ratio Lower Upper
122 100
105 711.0 106.6 146.6#
77 229.9 76.5 116.5#

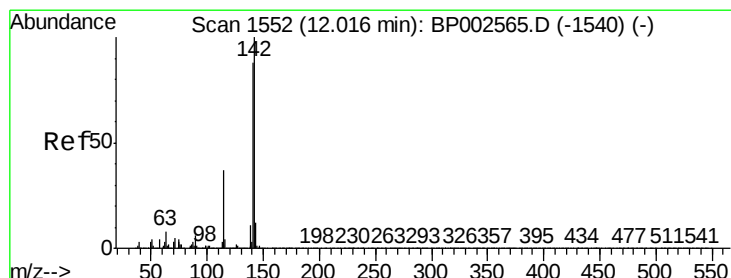
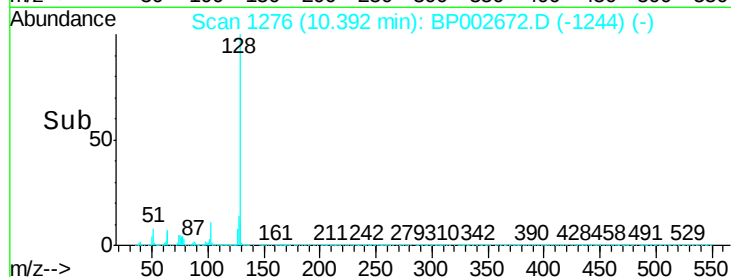
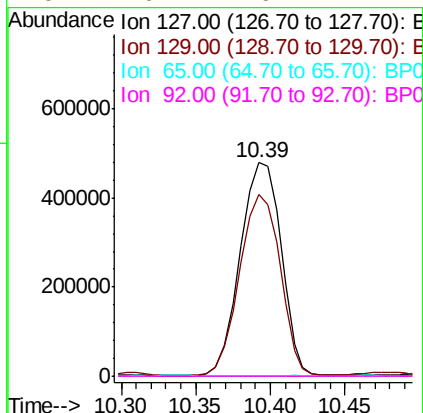
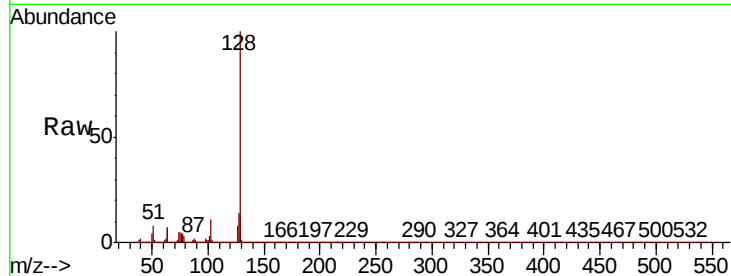




#33
4-Chloroaniline
Concen: 41.743 ng
RT: 10.39 min Scan# 1276
Delta R.T. -0.11 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

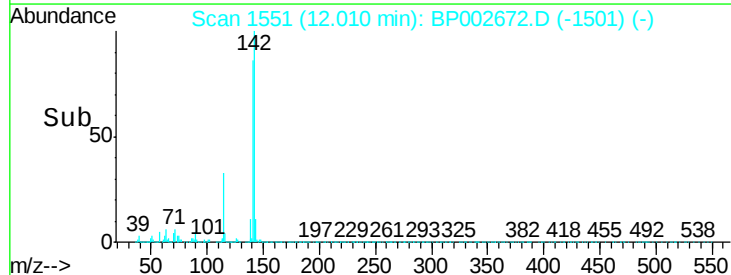
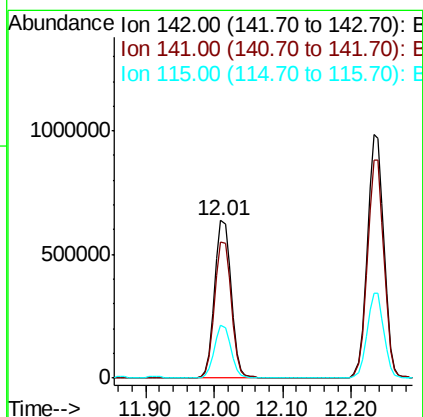
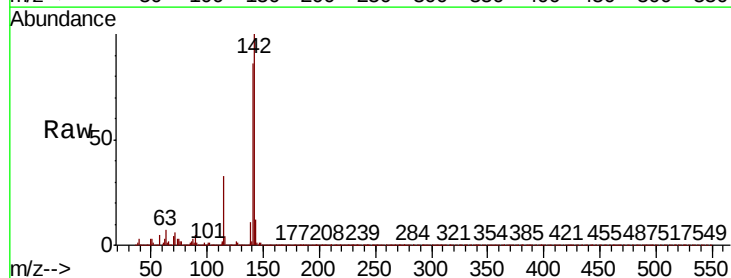
Instrument :
BNA_P
ClientSampleId :
MW-14DL

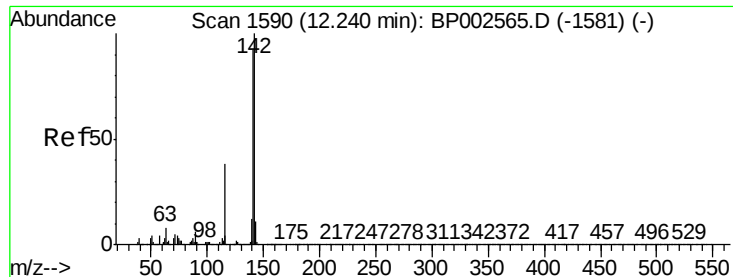
Tot Ion:127 Resp: 914897
Ion Ratio Lower Upper
127 100
129 85.1 25.7 38.5#
65 0.0 25.7 38.5#
92 0.1 16.1 24.1#



#37
2-Methylnaphthalene
Concen: 29.154 ng
RT: 12.01 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion:142 Resp: 1065138
Ion Ratio Lower Upper
142 100
141 86.4 70.7 106.1
115 33.2 29.7 44.5

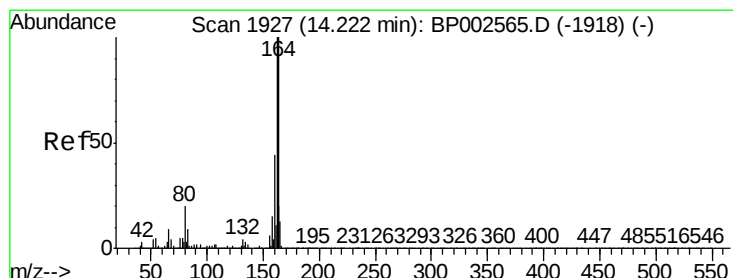
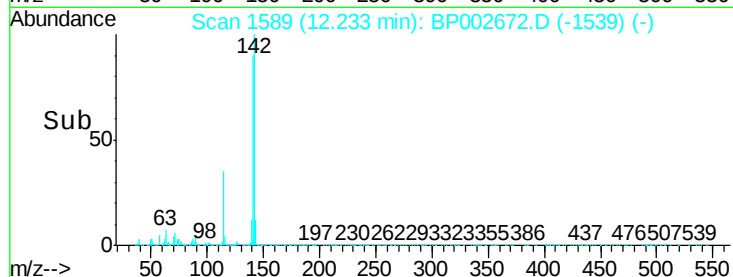
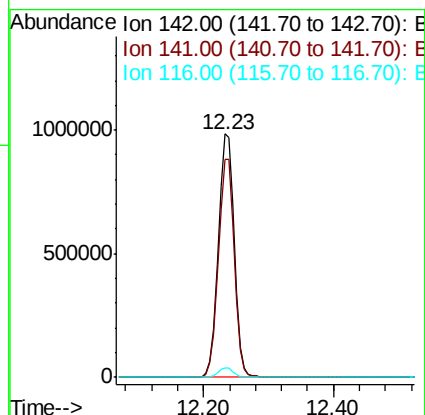
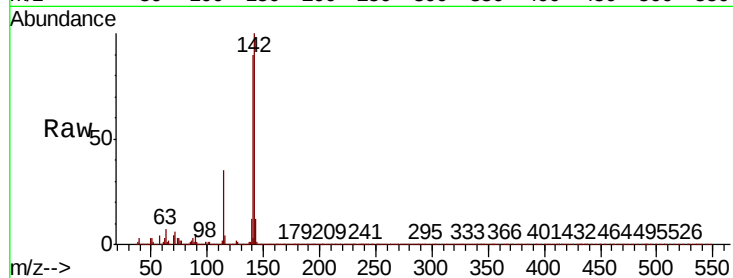




#38
 1-Methylnaphthalene
 Concen: 48.272 ng
 RT: 12.23 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BP002672.D
 Acq: 08 Jul 2020 13:28

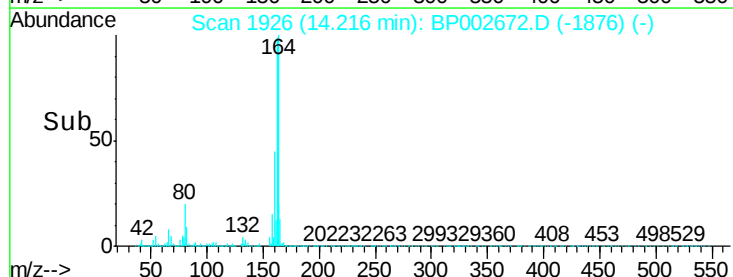
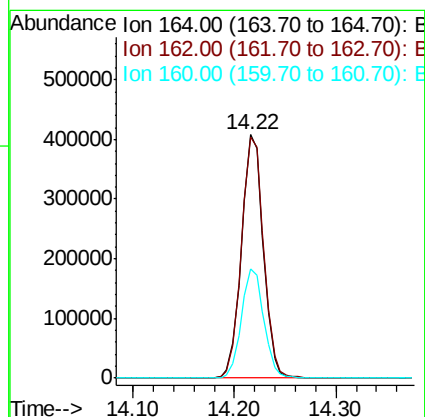
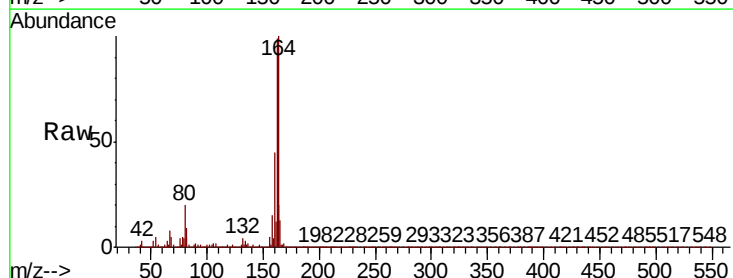
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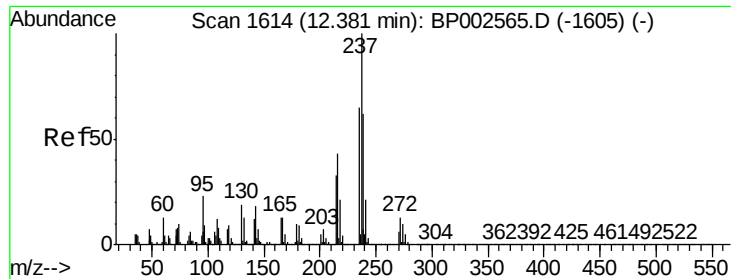
Tot Ion:142 Resp: 1660949
 Ion Ratio Lower Upper
 142 100
 141 89.7 73.4 110.2
 116 3.8 3.2 4.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.22 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BP002672.D
 Acq: 08 Jul 2020 13:28

Tgt Ion:164 Resp: 607743
 Ion Ratio Lower Upper
 164 100
 162 98.9 80.3 120.5
 160 45.0 35.0 52.6

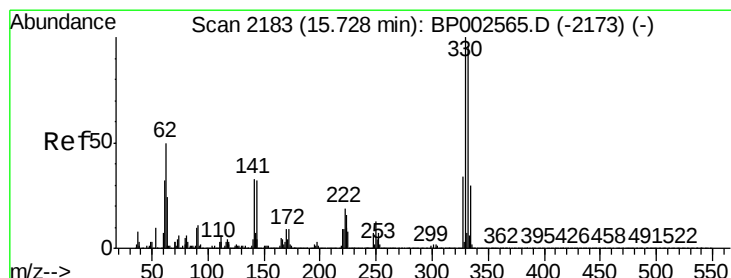
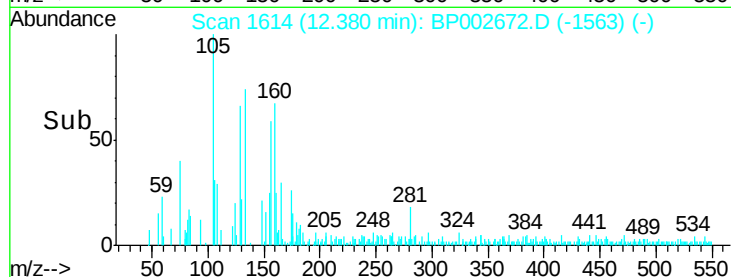
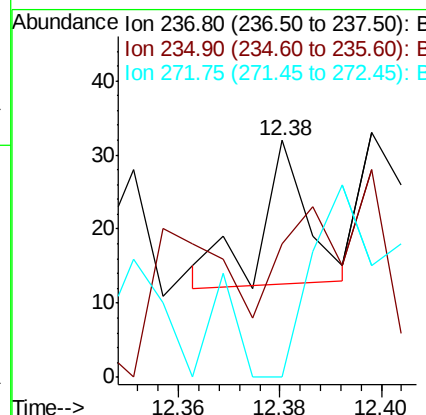
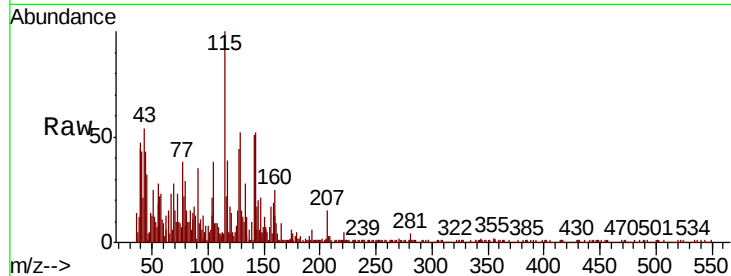




#41
Hexachlorocyclopentadiene
Concen: 4.383 ng
RT: 12.38 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

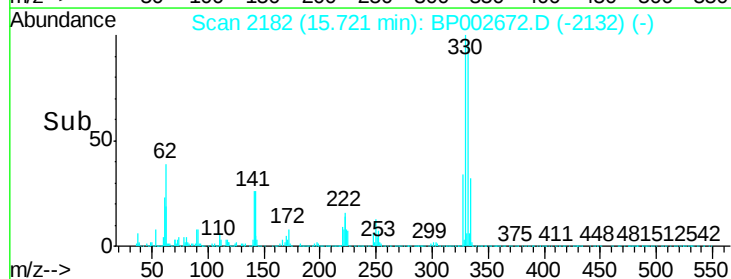
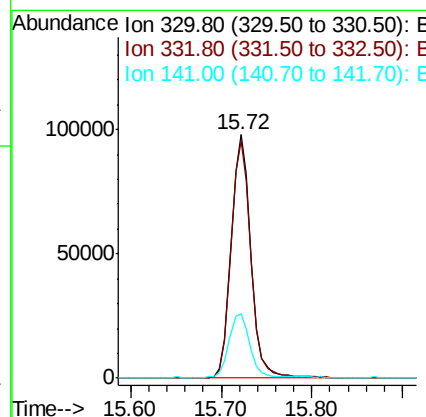
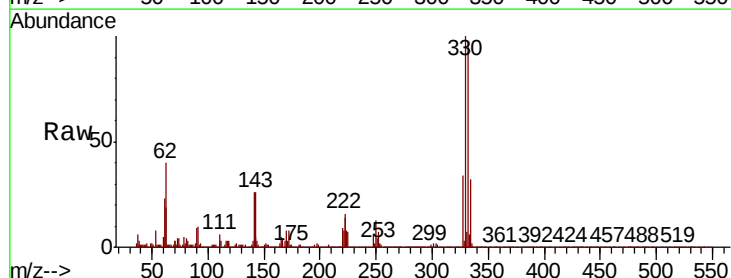
Instrument :
BNA_P
ClientSampled :
MW-14DL

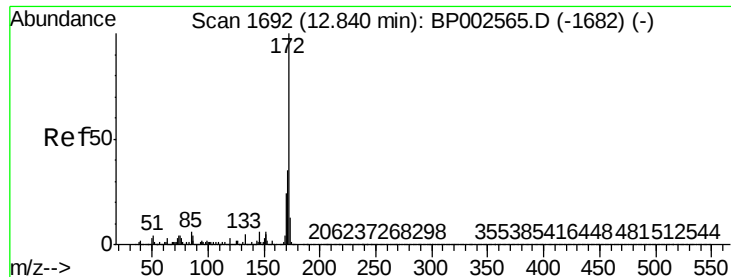
Tot Ion: 237 Resp: 12
Ion Ratio Lower Upper
237 100
235 56.3 45.4 85.4
272 0.0 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 20.023 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion: 330 Resp: 148009
Ion Ratio Lower Upper
330 100
332 97.9 77.7 116.5
141 27.3 29.0 43.6#

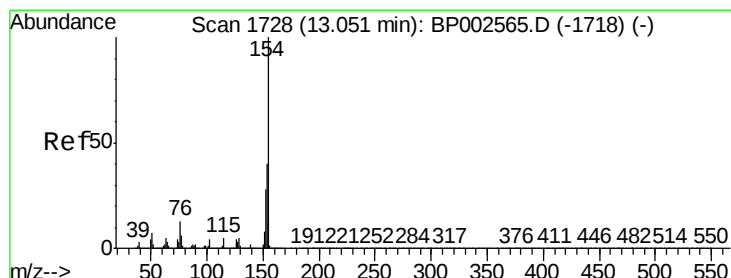
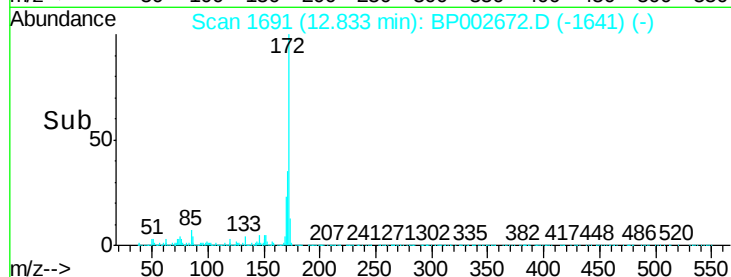
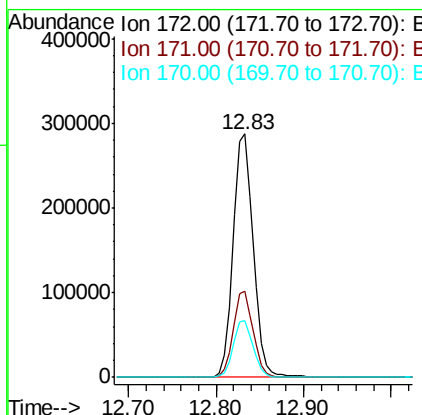
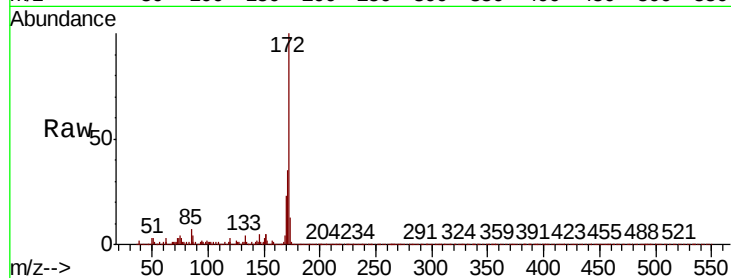




#45
2-Fluorobiphenyl
Concen: 10.864 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

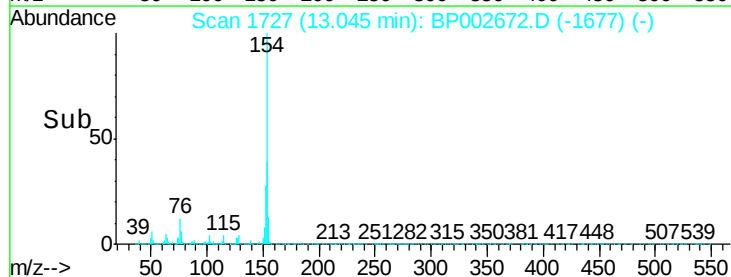
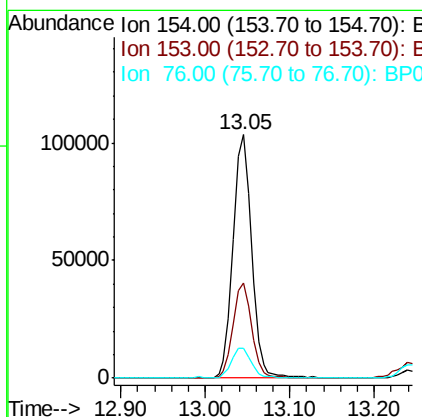
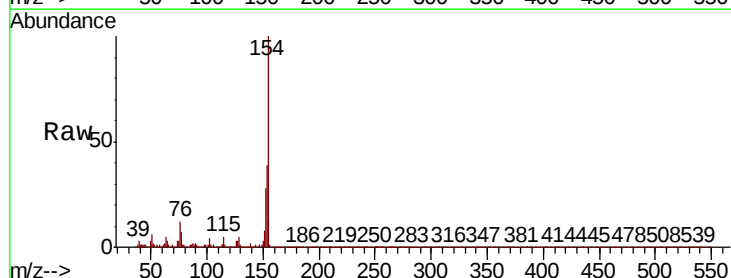
Instrument :
BNA_P
ClientSampleId :
MW-14DL

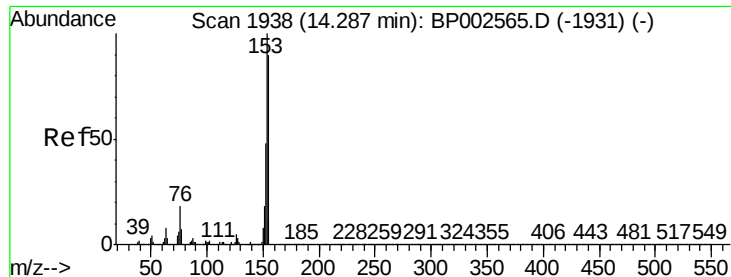
Tot Ion:172 Resp: 448609
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.3 19.0 28.4



#46
1,1'-Biphenyl
Concen: 3.390 ng
RT: 13.05 min Scan# 1727
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion:154 Resp: 155858
Ion Ratio Lower Upper
154 100
153 39.1 20.0 60.0
76 12.5 0.0 33.0





#52

Acenaphthene

Concen: 12.933 ng

RT: 14.28 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MW-14DL

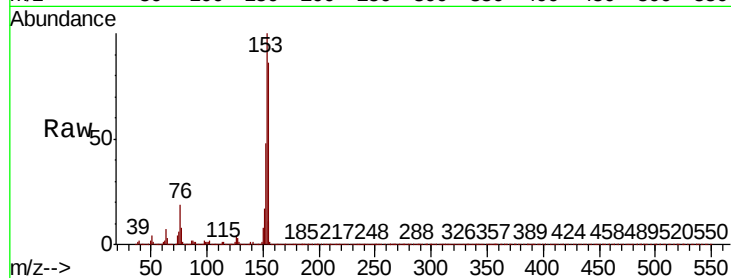
Tot Ion:154 Resp: 449376

Ion Ratio Lower Upper

154 100

153 115.7 89.1 133.7

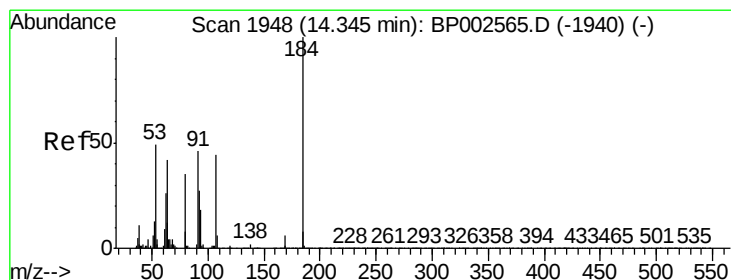
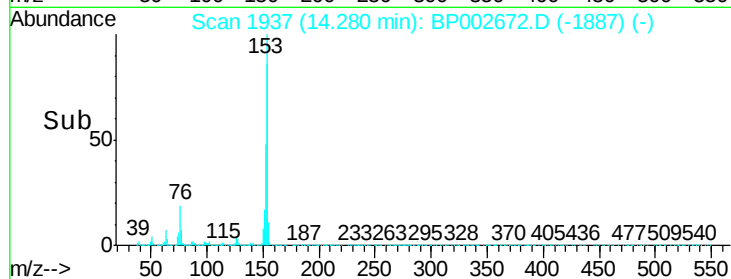
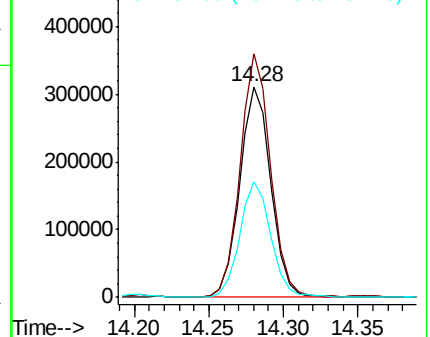
152 55.1 43.2 64.8



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: 6.025 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

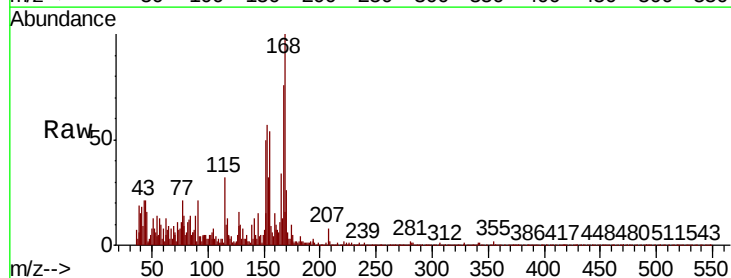
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

63 905.0 56.2 84.2#

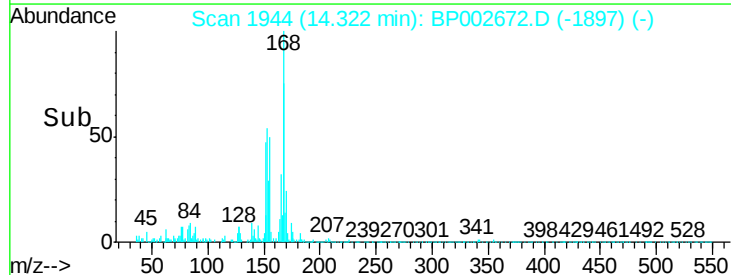
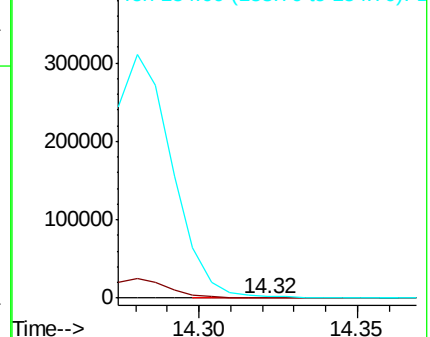
154 2183.8 50.9 76.3#

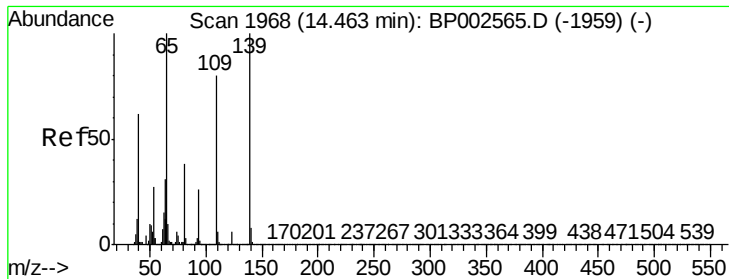


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

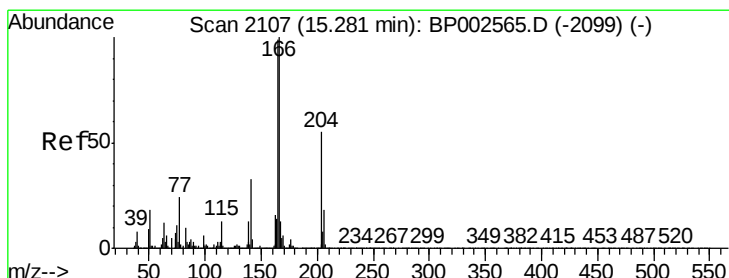
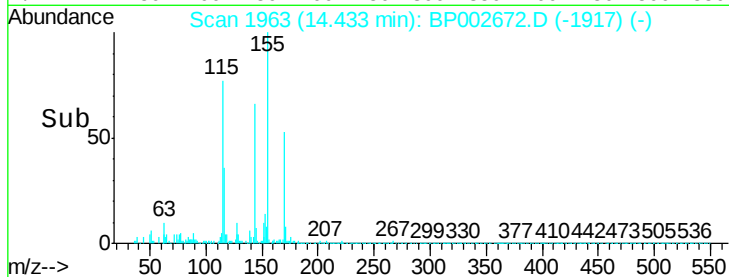
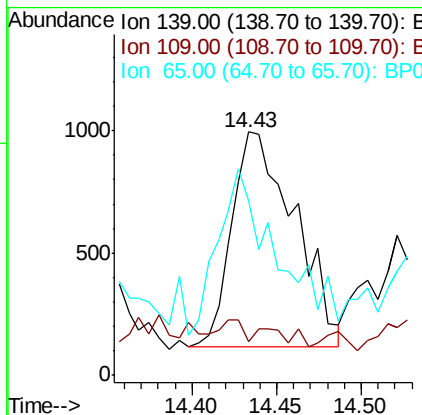
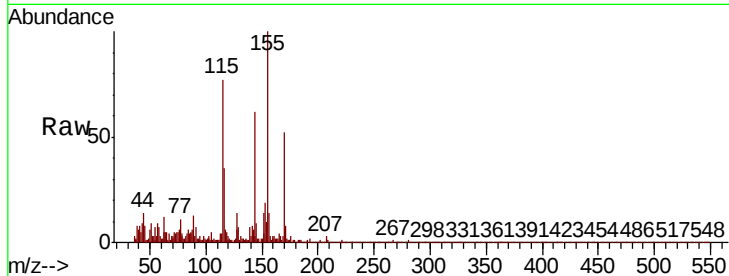




#56
4-Nitrophenol
Concen: 2.686 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.03 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

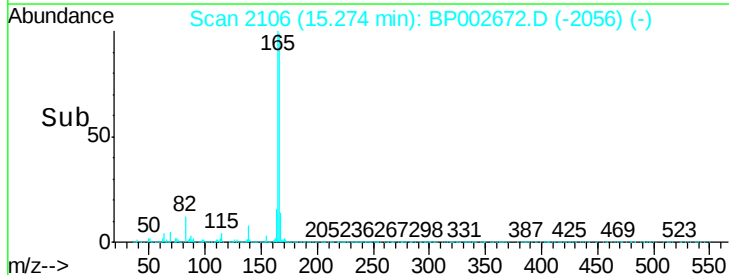
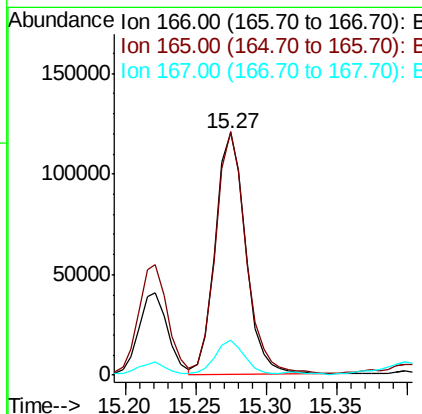
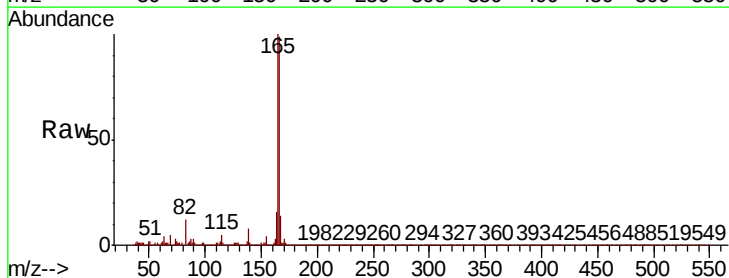
Instrument :
BNA_P
ClientSampled :
MW-14DL

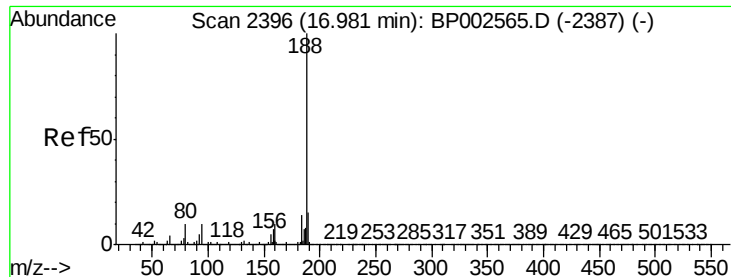
Tot Ion:139 Resp: 2282
Ion Ratio Lower Upper
139 100
109 14.1 60.1 100.1#
65 71.7 80.3 120.3#



#58
Fluorene
Concen: 4.183 ng
RT: 15.27 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion:166 Resp: 179388
Ion Ratio Lower Upper
166 100
165 100.6 79.1 118.7
167 14.5 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

Instrument :

BNA_P

ClientSampled :

MW-14DL

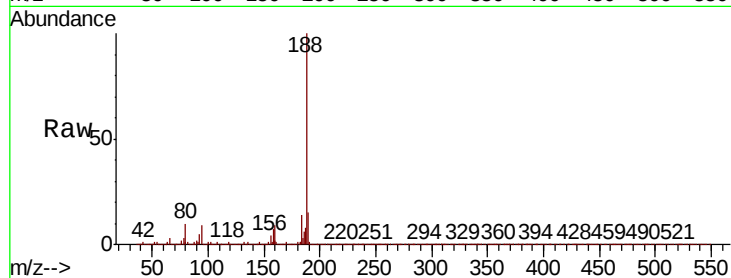
Tot Ion:188 Resp: 1403173

Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.6

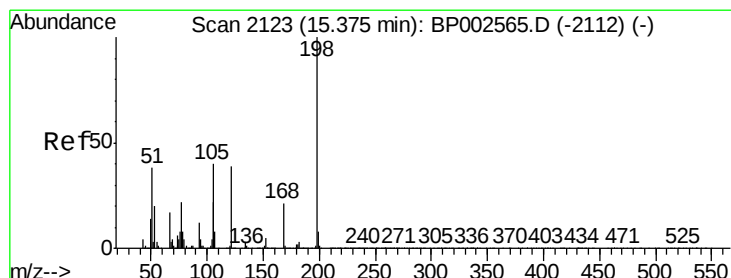
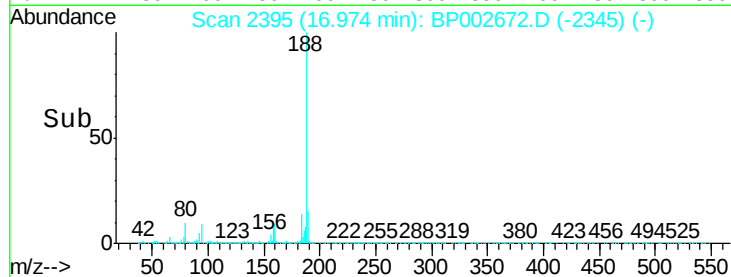
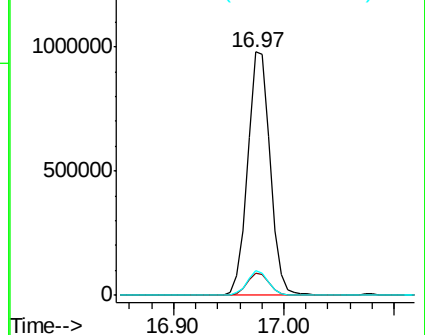
80 10.0 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 2.713 ng

RT: 15.37 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

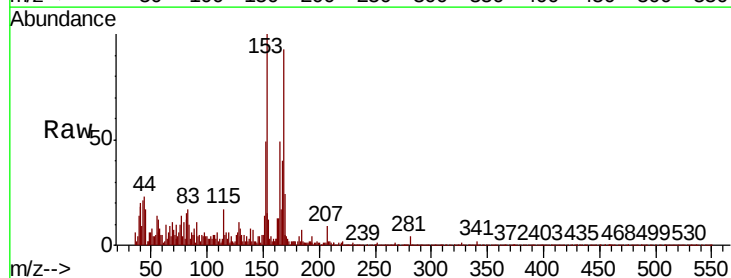
Tgt Ion:198 Resp: 31

Ion Ratio Lower Upper

198 100

51 512.6 24.2 64.2#

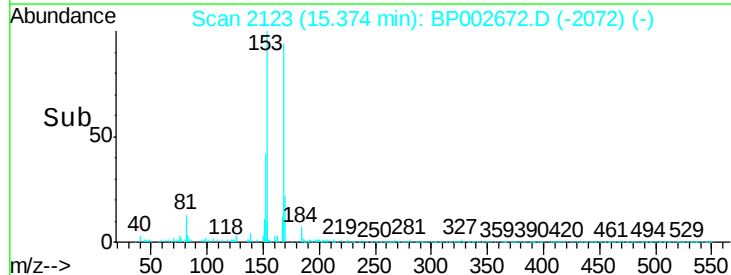
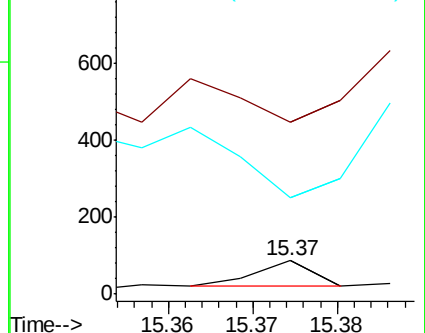
105 287.4 20.7 60.7#

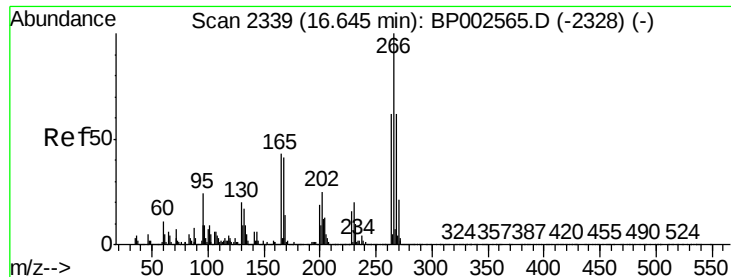


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 2.665 ng

RT: 16.90 min Scan# 2383

Delta R.T. 0.26 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MW-14DL

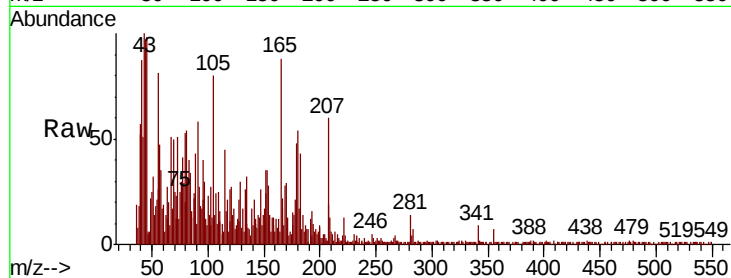
Tot Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

268 51.0 49.7 74.5

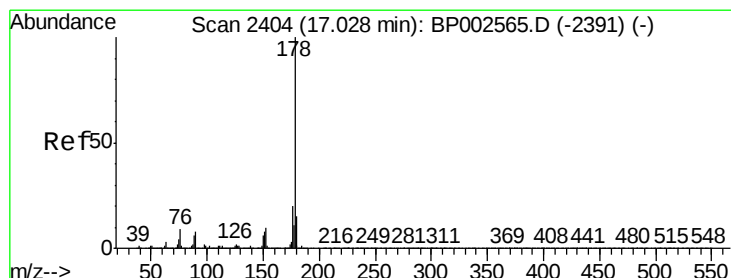
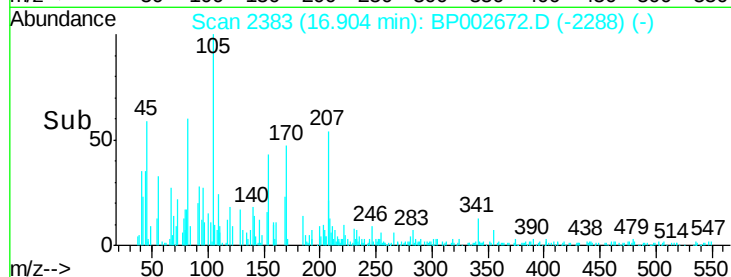
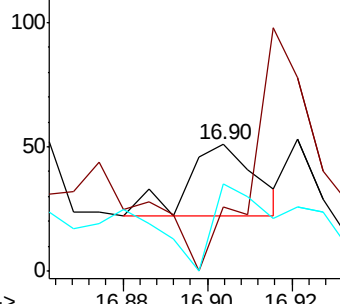
264 68.6 49.3 73.9



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 6.332 ng

RT: 17.02 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

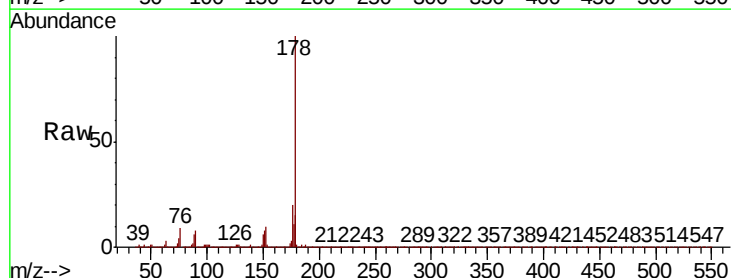
Tgt Ion:178 Resp: 478066

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

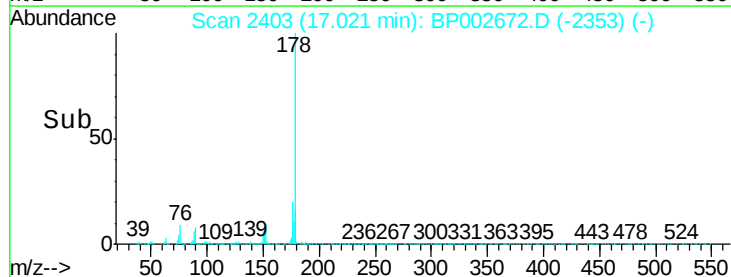
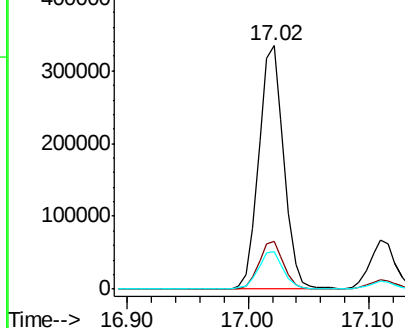
179 15.4 12.1 18.1

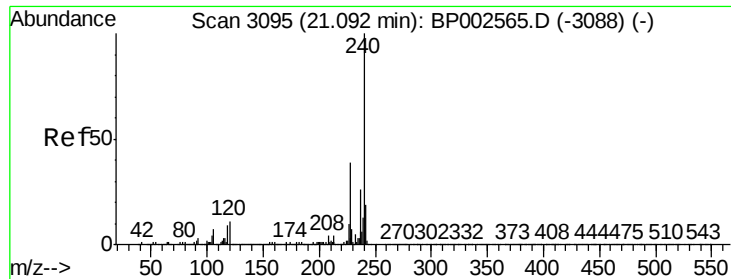


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

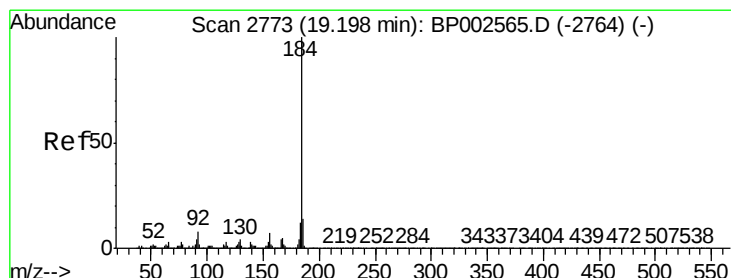
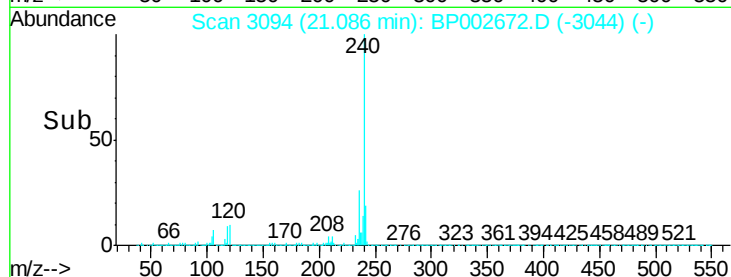
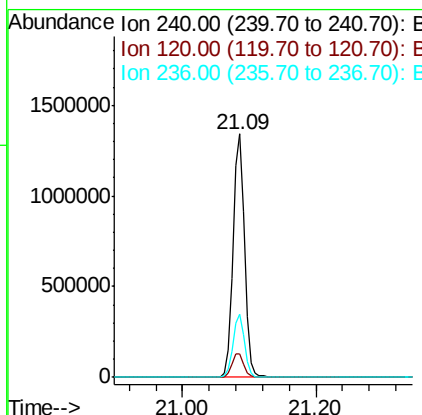
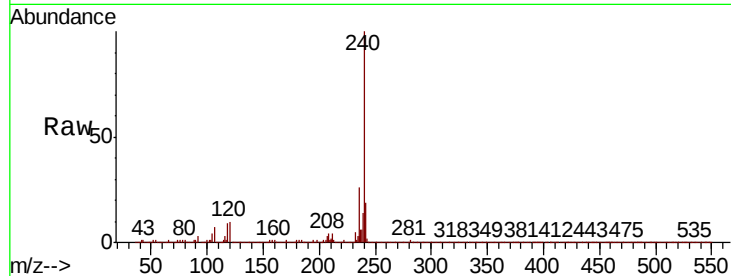




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

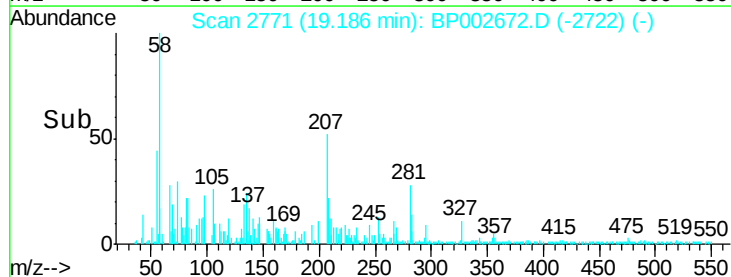
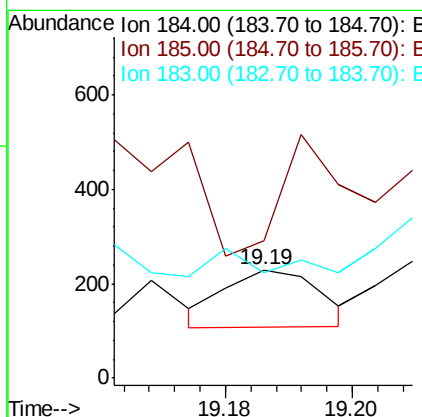
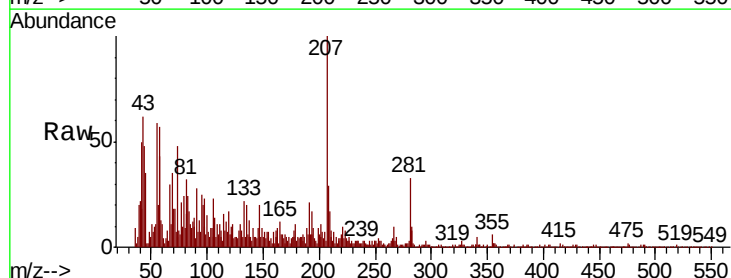
Instrument :
BNA_P
ClientSampleId :
MW-14DL

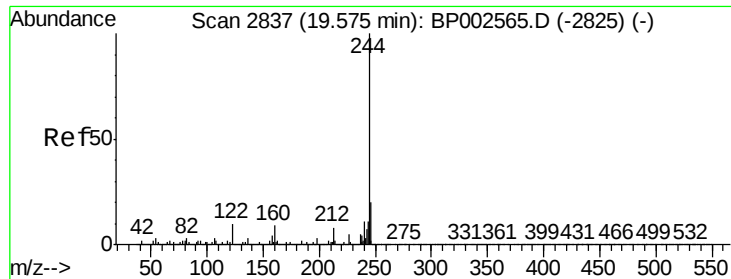
Tot Ion:240 Resp: 1638363
Ion Ratio Lower Upper
240 100
120 9.8 8.6 13.0
236 26.0 20.8 31.2



#77
Benzidine
Concen: 3.758 ng
RT: 19.19 min Scan# 2771
Delta R.T. -0.01 min
Lab File: BP002672.D
Acq: 08 Jul 2020 13:28

Tgt Ion:184 Resp: 126
Ion Ratio Lower Upper
184 100
185 127.5 11.4 17.2#
183 97.8 9.2 13.8#





#79

Terphenyl-d14

Concen: 12.015 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002672.D

Acq: 08 Jul 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MW-14DL

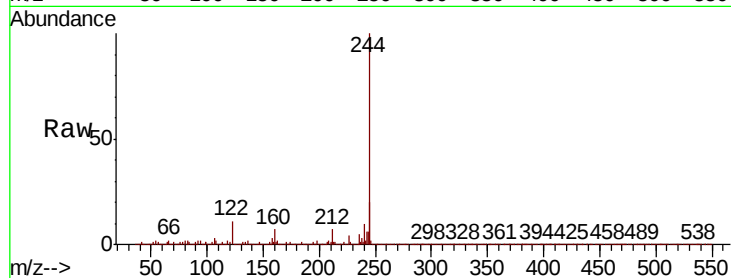
Tot Ion:244 Resp: 911949

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

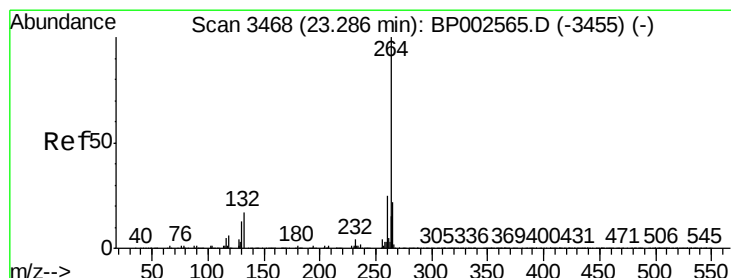
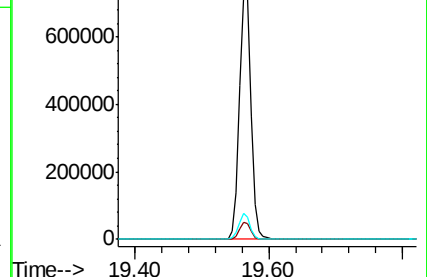
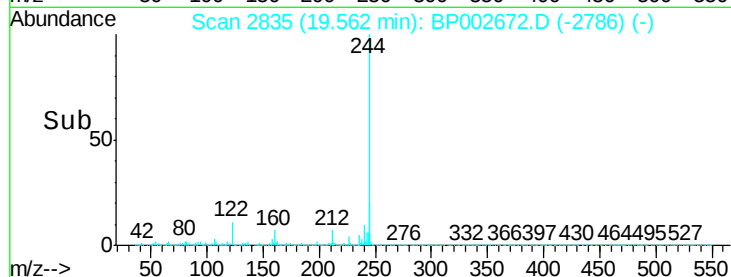
122 10.6 7.9 11.9



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: BP002672.D

Acq: 08 Jul 2020 13:28

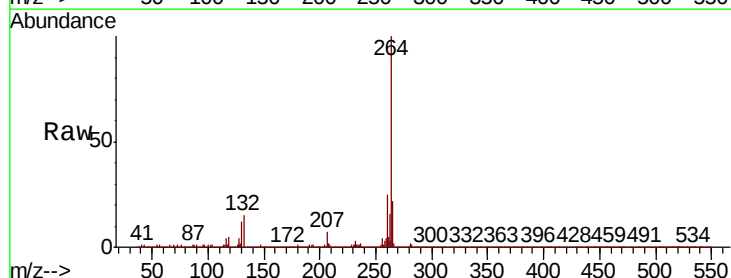
Tgt Ion:264 Resp: 1582007

Ion Ratio Lower Upper

264 100

260 24.9 19.7 29.5

265 21.9 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

