

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002611.D
 Acq On : 01 Jul 2020 19:04
 Operator : CG/JU
 Sample : L3157-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CB-D40

Quant Time: Jul 02 00:55:37 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	308363	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1231202	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	746366	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1543552	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1337138	20.00	ng	0.00
86) Perylene-d12	23.28	264	1104697	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1594721	87.56	ng	0.00
7) Phenol-d6	6.76	99	2169432	85.34	ng	0.00
23) Nitrobenzene-d5	8.72	82	1456582	60.96	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	731563	80.59	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2991046	58.98	ng	0.00
79) Terphenyl-d14	19.57	244	3745294	60.46	ng	0.00

Target Compounds

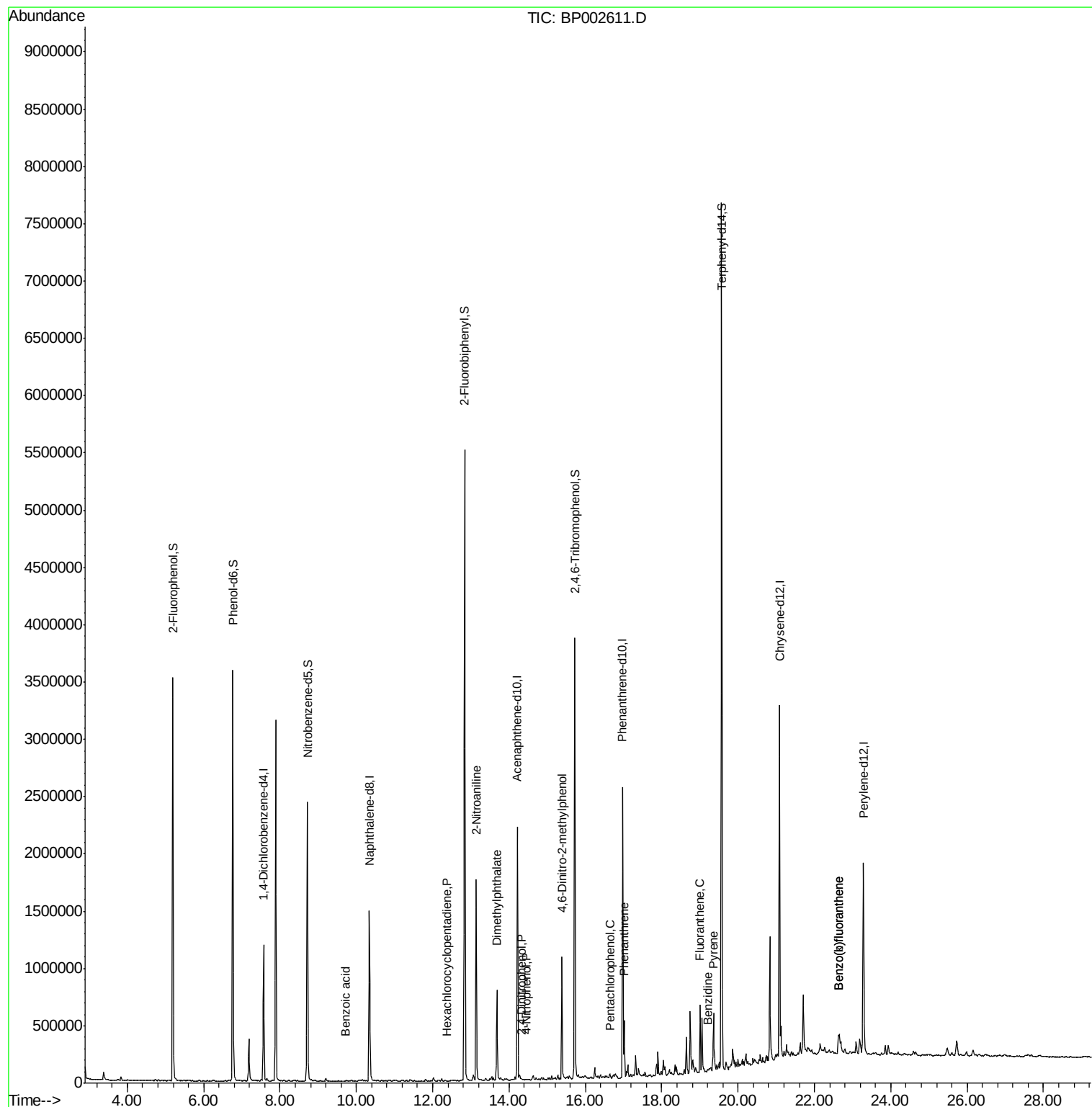
						Qvalue
9) Benzaldehyde	6.73	77	1871	Below Cal		90
32) Benzoic acid	9.72	122	177	8.710 ng	#	83
41) Hexachlorocyclopentadiene	12.37	237	28	4.384 ng		87
48) 2-Nitroaniline	13.14	65	30404	2.074 ng	#	16
50) Dimethylphthalate	13.68	163	528511	9.016 ng		99
54) 2,4-Dinitrophenol	14.33	184	28	6.012 ng	#	1
56) 4-Nitrophenol	14.45	139	640	2.493 ng		93
65) 4,6-Dinitro-2-methylphenol	15.38	198	305	2.739 ng	#	1
70) Pentachlorophenol	16.65	266	25	2.664 ng	#	19
71) Phenanthrene	17.02	178	282222	3.398 ng		99
75) Fluoranthene	19.00	202	314203	3.126 ng		97
77) Benzidine	19.19	184	81	3.757 ng	#	1
78) Pyrene	19.36	202	294535	3.236 ng		99
88) Benzo(b)fluoranthene	22.63	252	141237	2.004 ng		98
89) Benzo(k)fluoranthene	22.63	252	141237	2.148 ng	#	97

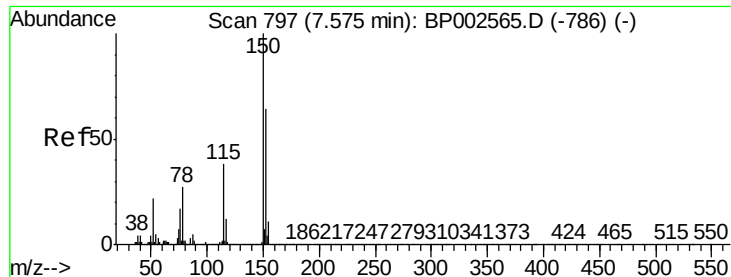
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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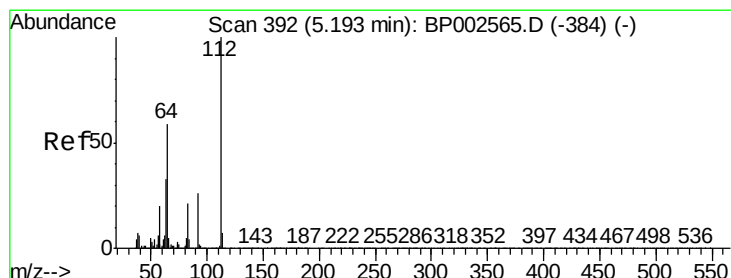
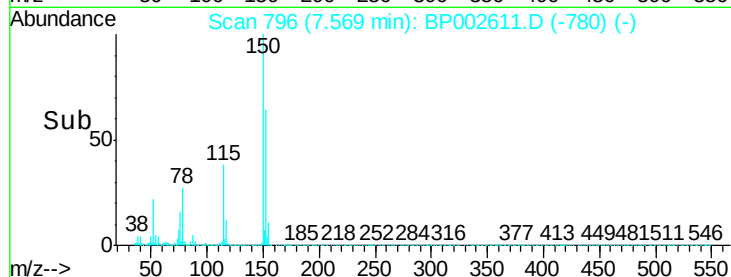
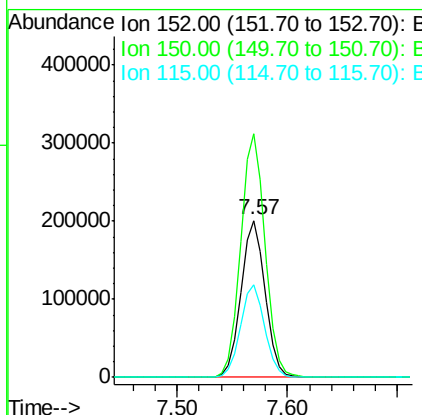
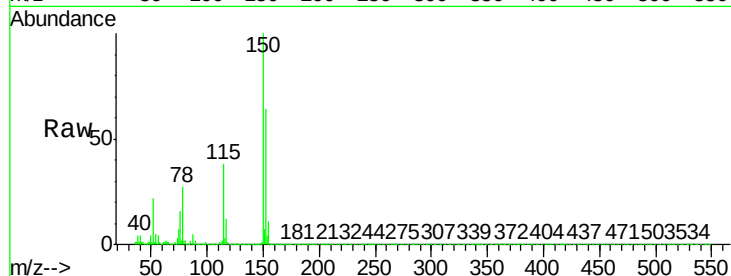


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Instrument :
BNA_P
ClientSampleId :
CB-D40

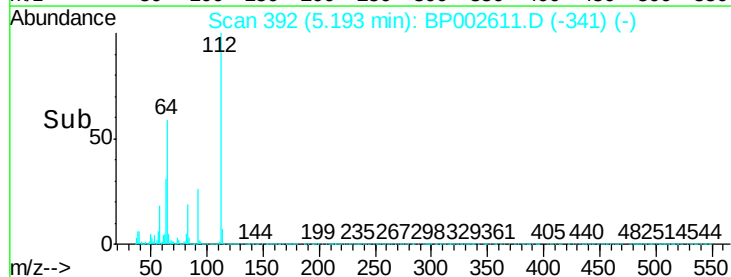
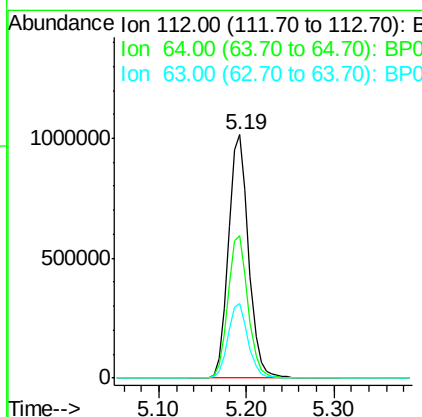
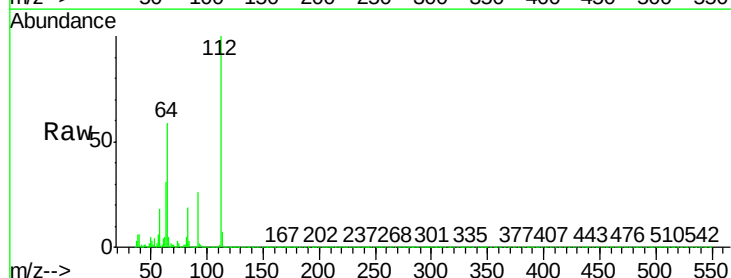
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.2	186.2
115	59.3	47.1	70.7

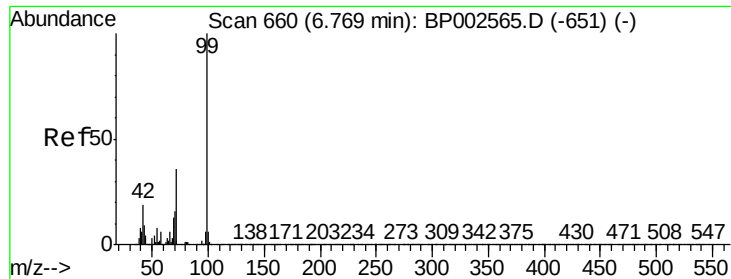


#5

2-Fluorophenol
Concen: 87.561 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.0	70.6
63	30.6	26.1	39.1





#7

Phenol-d6

Concen: 85.342 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

Instrument :

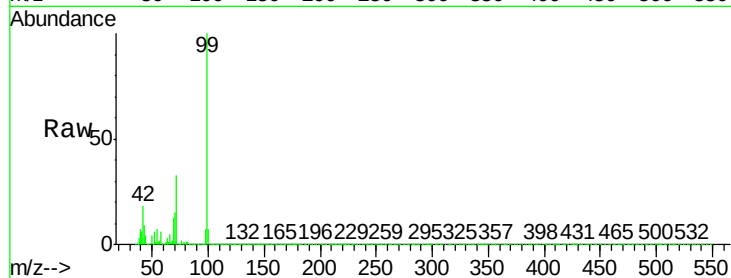
BNA_P

ClientSampleId :

CB-D40

Tot Ion: 99 Resp: 2169432

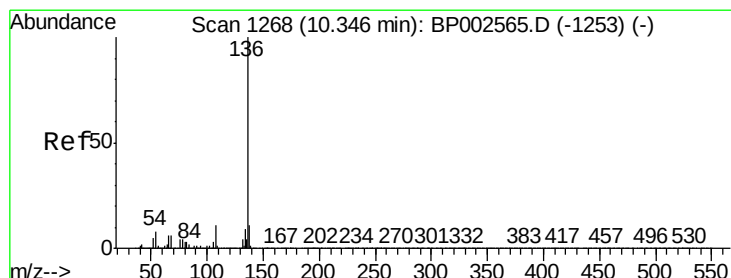
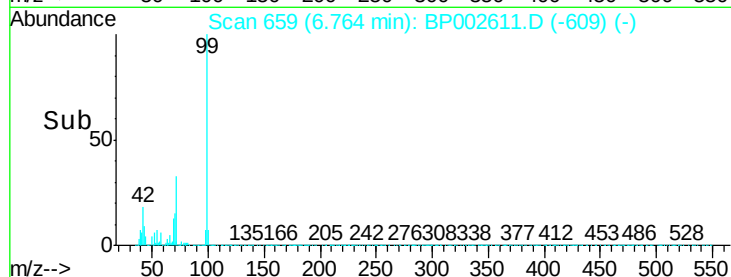
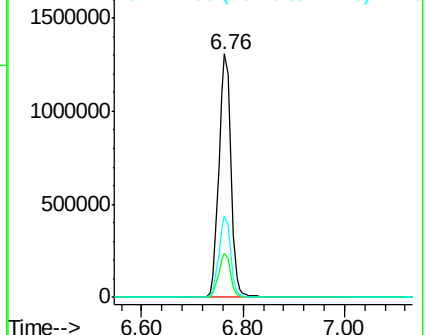
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.5	23.3
71	33.2	28.9	43.3



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

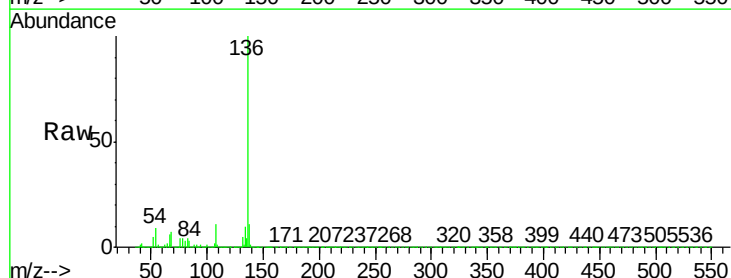
Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

Tgt Ion: 136 Resp: 1231202

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.9	6.4	9.6
68	7.2	5.1	7.7

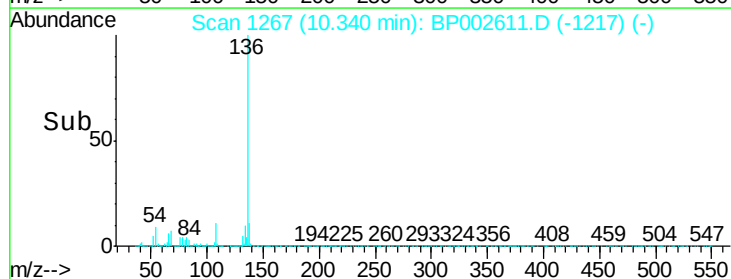
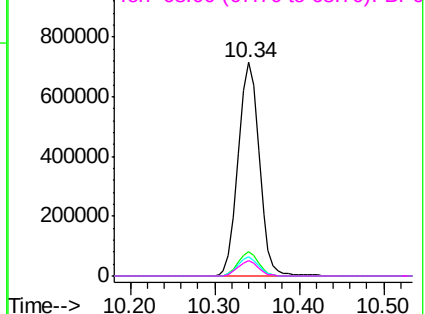


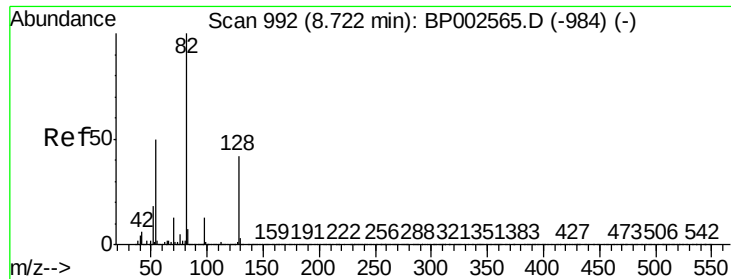
Abundance Ion 136.00 (135.70 to 136.70): E

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



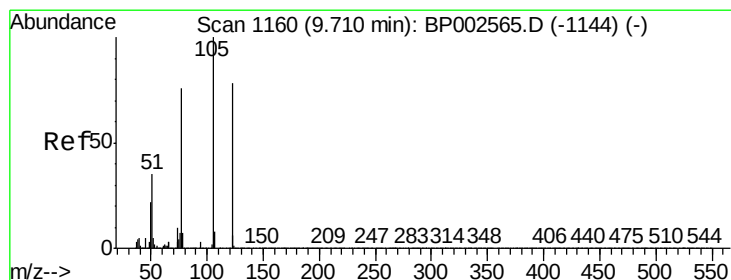
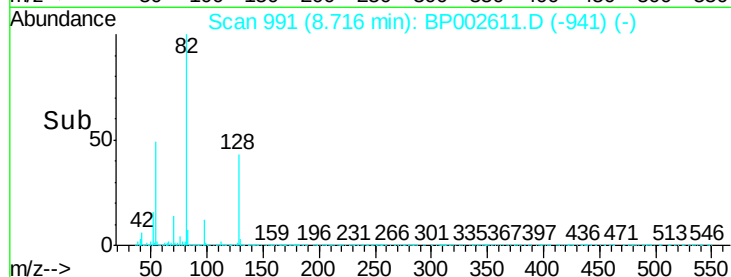
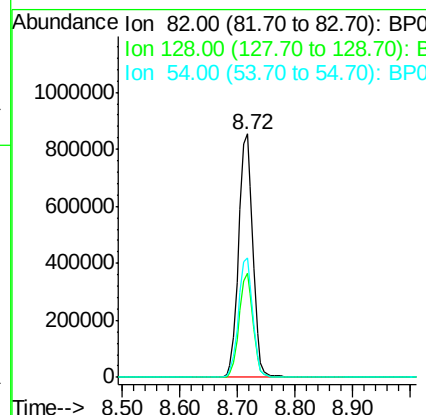
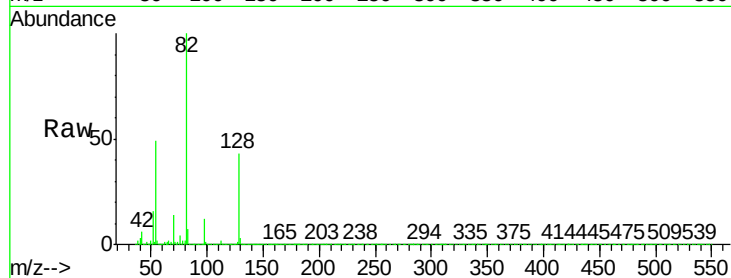


#23
 Nitrobenzene-d5
 Concen: 60.957 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002611.D
 Acq: 01 Jul 2020 19:04

Instrument :
 BNA_P
 ClientSampled :
 CB-D40

Tot Ion: 82 Resp: 1456582

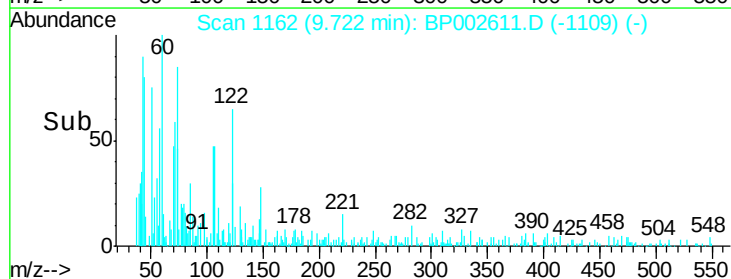
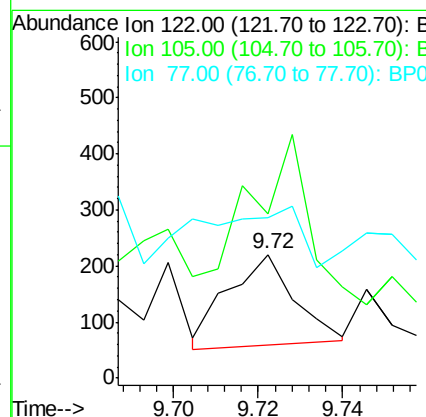
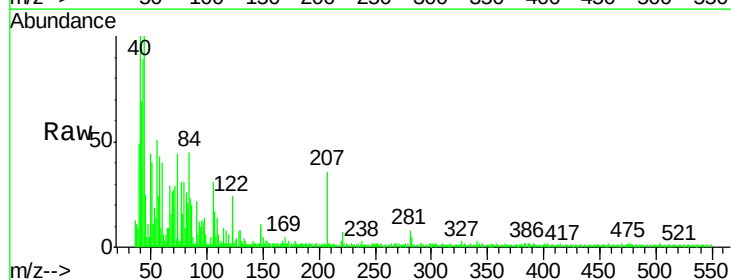
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.2
54	49.2	40.1	60.1

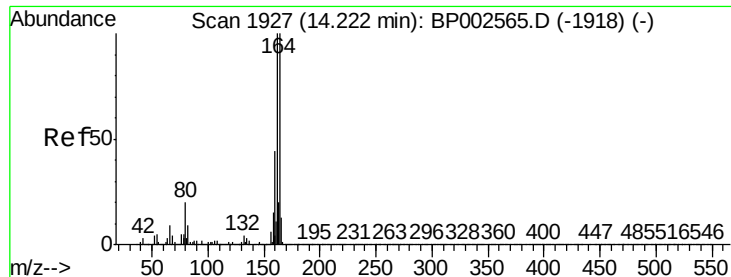


#32
 Benzoic acid
 Concen: 8.710 ng
 RT: 9.72 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BP002611.D
 Acq: 01 Jul 2020 19:04

Tgt Ion: 122 Resp: 177

Ion	Ratio	Lower	Upper
122	100		
105	132.1	106.6	146.6
77	129.9	76.5	116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

Instrument :

BNA_P

ClientSampleId :

CB-D40

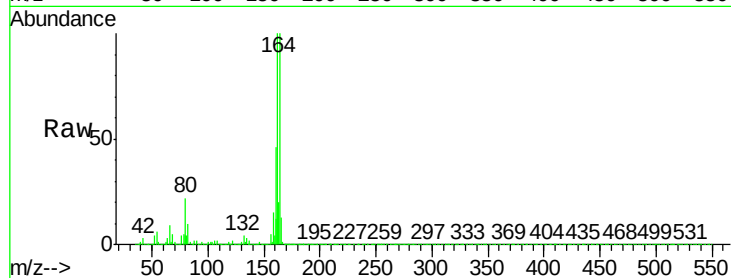
Tot Ion:164 Resp: 746366

Ion Ratio Lower Upper

164 100

162 100.2 80.3 120.5

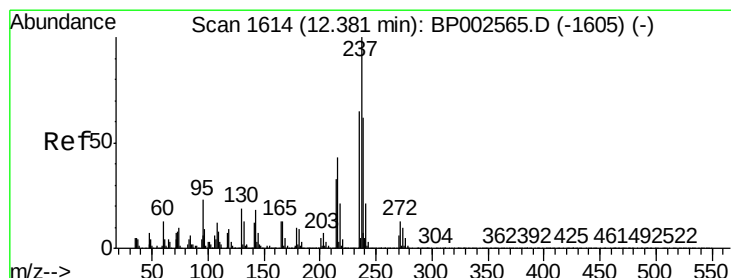
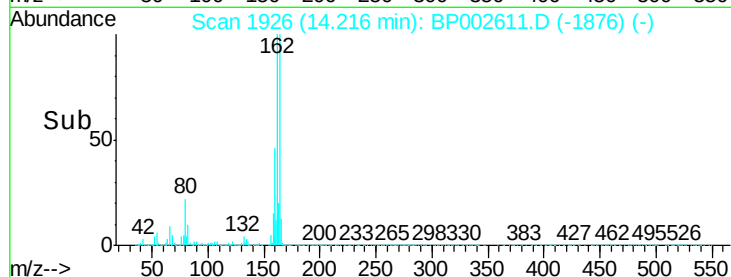
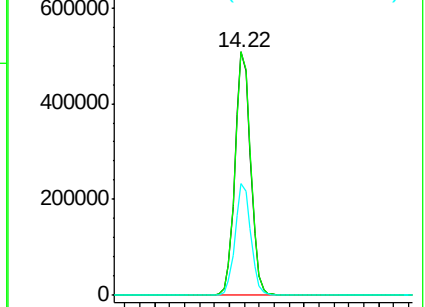
160 45.8 35.0 52.6



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: 4.384 ng

RT: 12.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

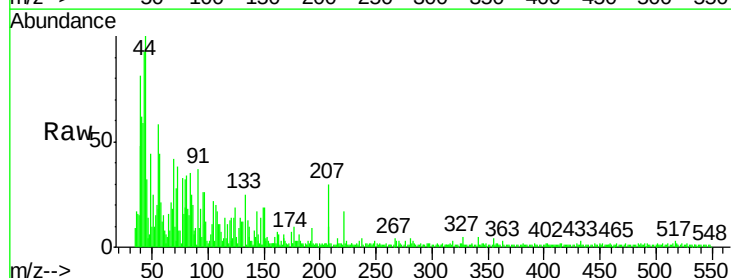
Tgt Ion:237 Resp: 28

Ion Ratio Lower Upper

237 100

235 72.4 45.4 85.4

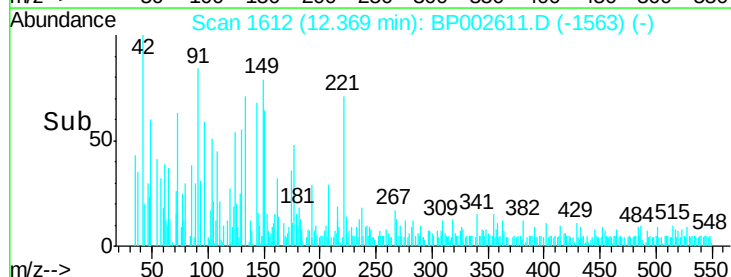
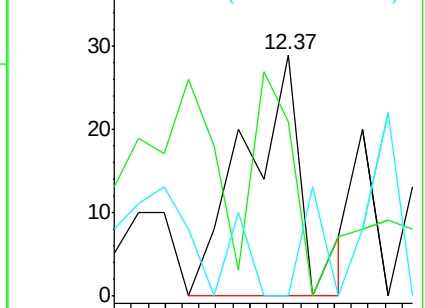
272 0.0 0.0 32.6

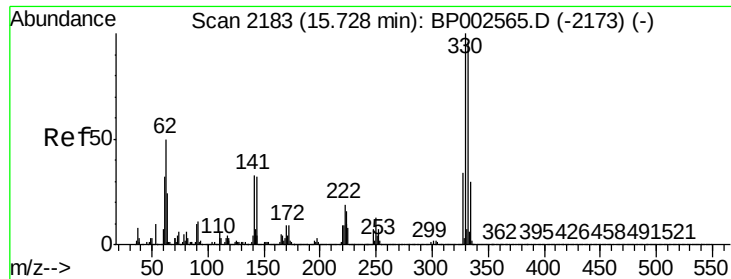


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

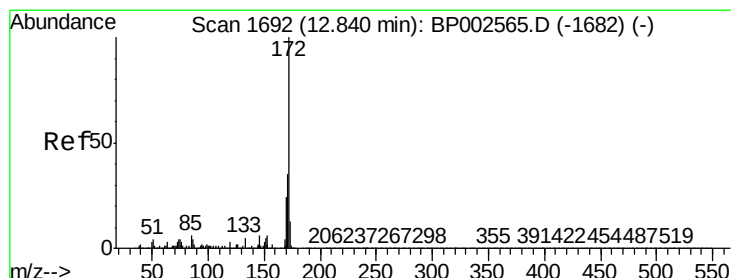
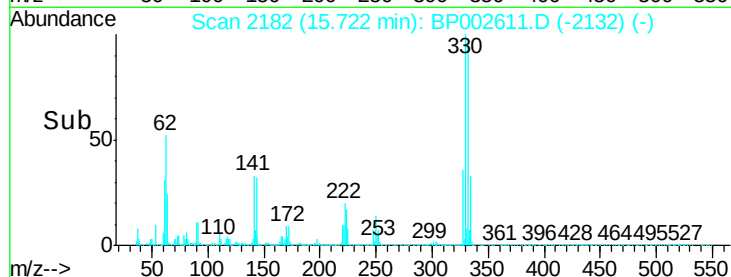
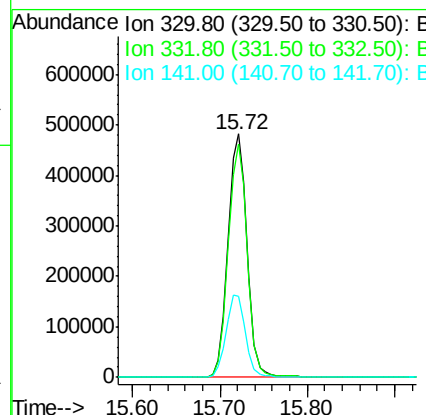
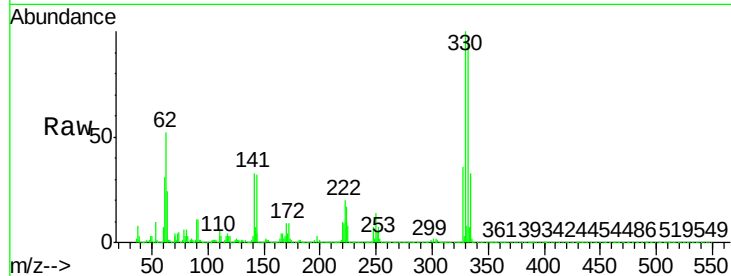




#42
2,4,6-Tribromophenol
Concen: 80.587 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

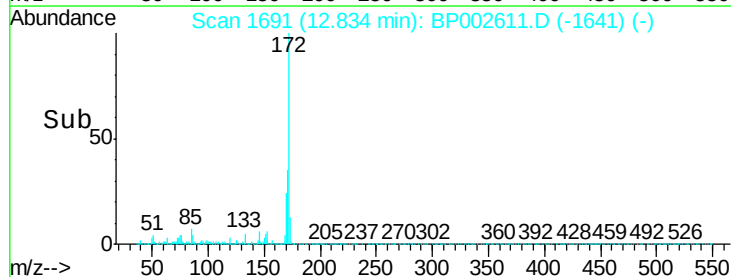
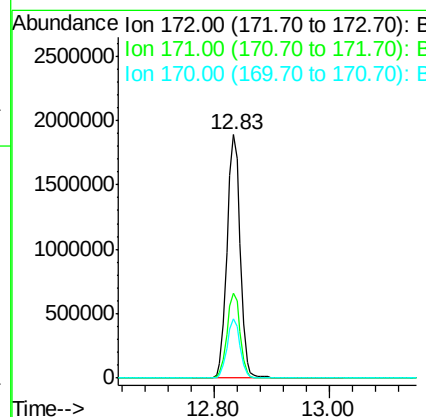
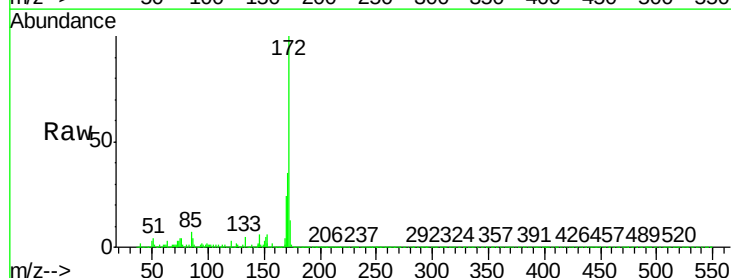
Instrument :
BNA_P
ClientSampleId :
CB-D40

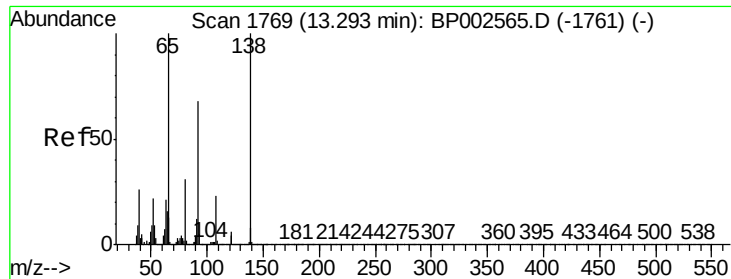
Tot Ion:330 Resp: 731563
Ion Ratio Lower Upper
330 100
332 95.8 77.7 116.5
141 34.4 29.0 43.6



#45
2-Fluorobiphenyl
Concen: 58.983 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Tgt Ion:172 Resp: 2991046
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 24.1 19.0 28.4

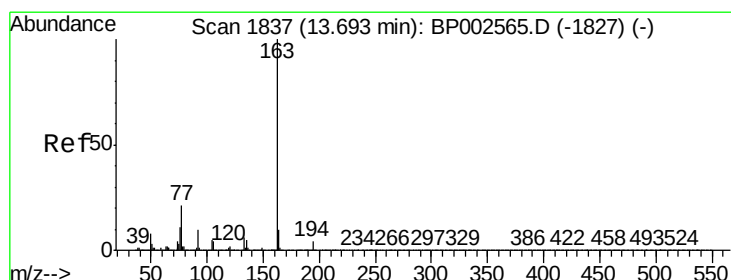
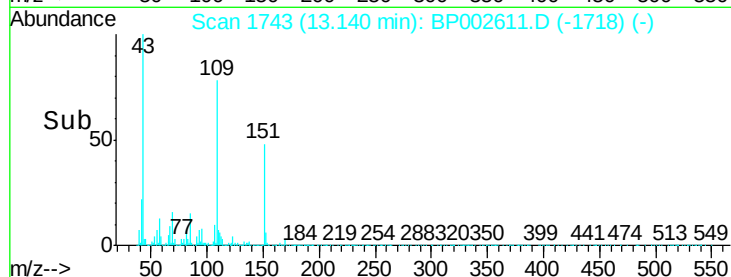
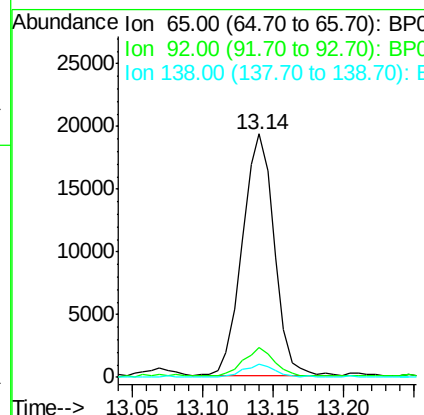
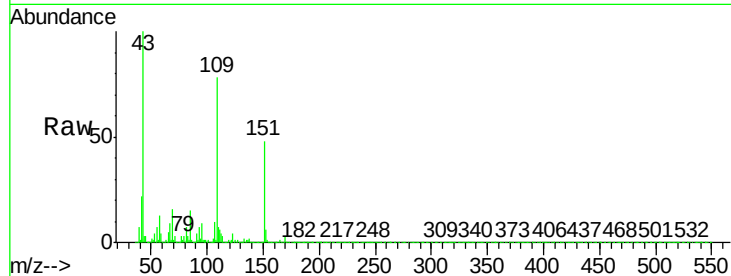




#48
2-Nitroaniline
Concen: 2.074 ng
RT: 13.14 min Scan# 1743
Delta R.T. -0.15 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

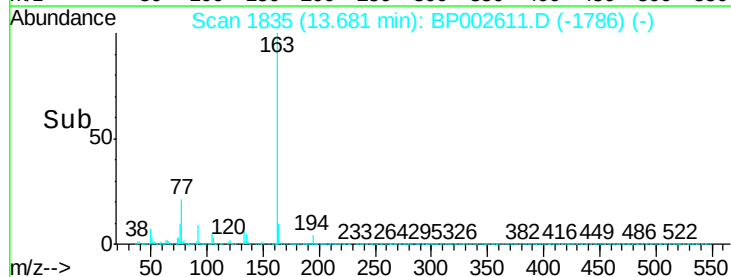
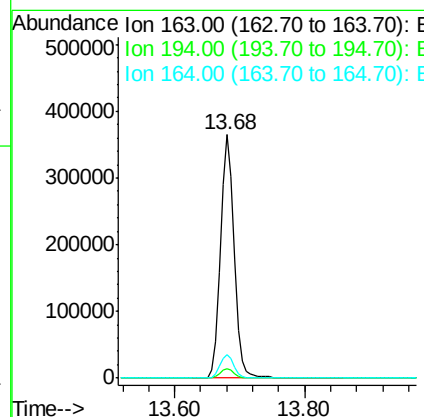
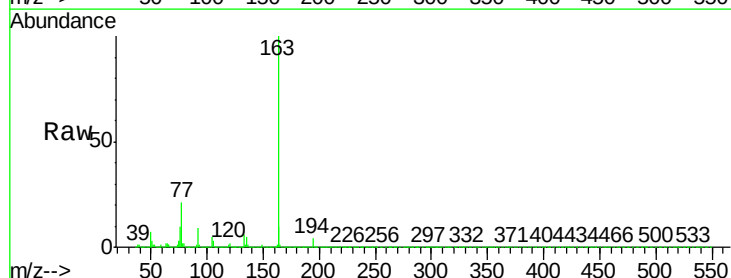
Instrument :
BNA_P
ClientSampled :
CB-D40

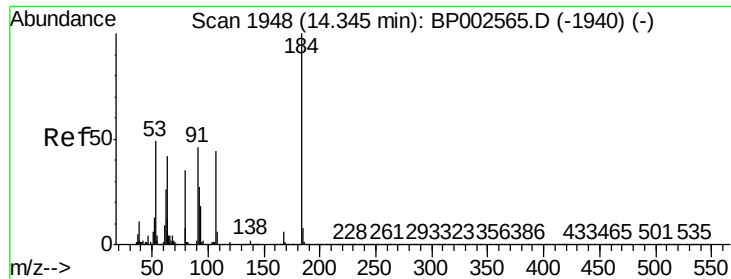
Tot Ion: 65 Resp: 30404
Ion Ratio Lower Upper
65 100
92 12.2 54.2 81.4#
138 5.6 79.8 119.8#



#50
Dimethylphthalate
Concen: 9.016 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Tgt Ion: 163 Resp: 528511
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.7 8.2 12.4

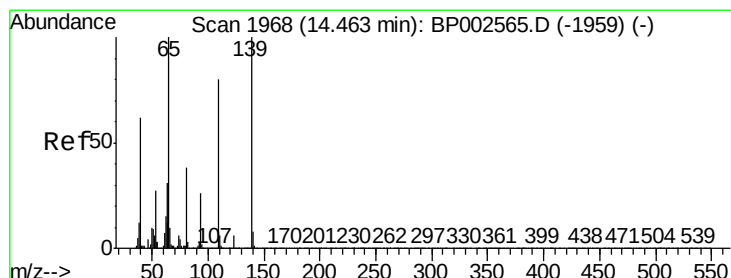
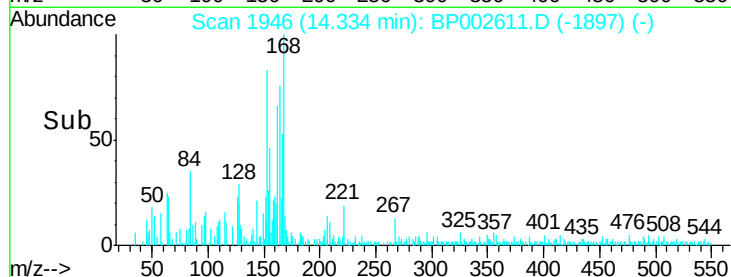
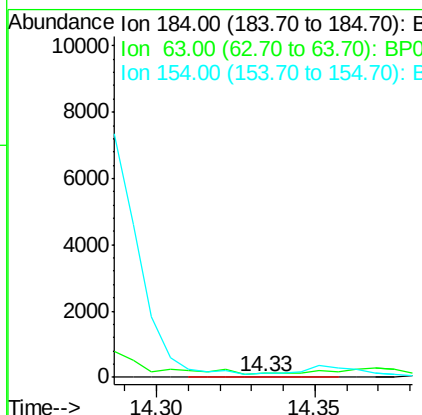
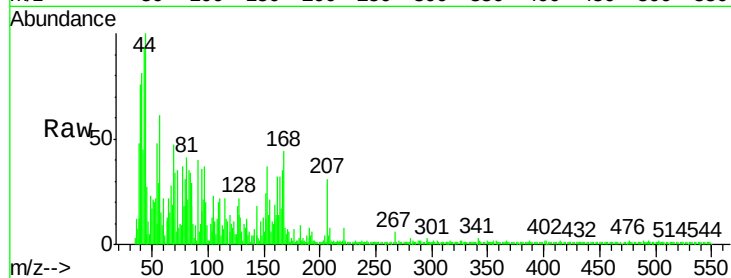




#54
2,4-Dinitrophenol
Concen: 6.012 ng
RT: 14.33 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

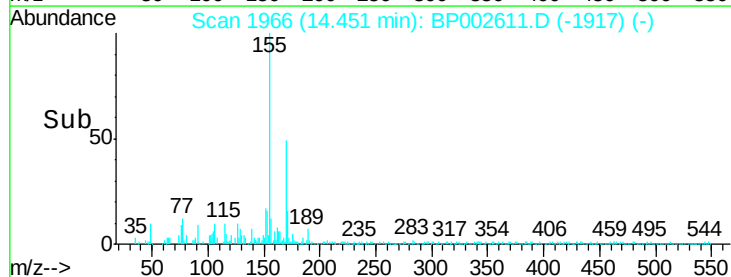
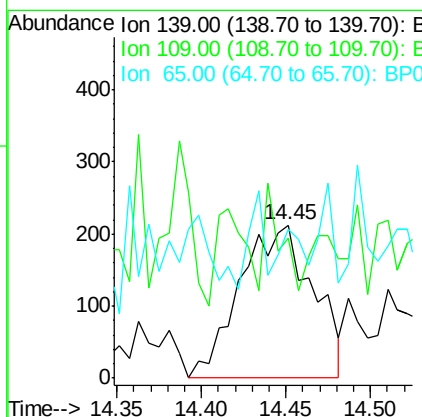
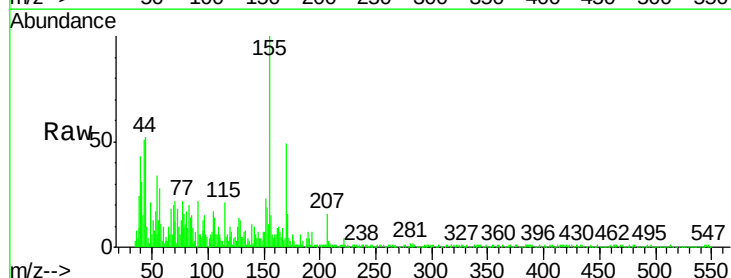
Instrument :
BNA_P
ClientSampleId :
CB-D40

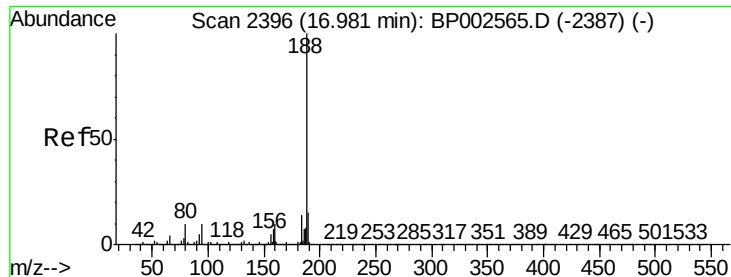
Tot Ion:184 Resp: 28
Ion Ratio Lower Upper
184 100
63 638.1 56.2 84.2#
154 676.2 50.9 76.3#



#56
4-Nitrophenol
Concen: 2.493 ng
RT: 14.45 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Tgt Ion:139 Resp: 640
Ion Ratio Lower Upper
139 100
109 92.0 60.1 100.1
65 97.6 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: BP002611.D

Acq: 01 Jul 2020 19:04

Instrument :

BNA_P

ClientSampleId :

CB-D40

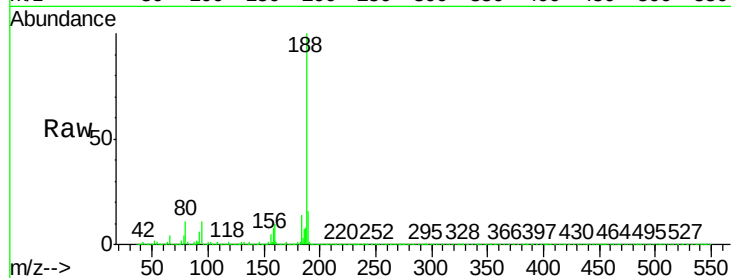
Tot Ion:188 Resp: 1543552

Ion Ratio Lower Upper

188 100

94 10.8 7.8 11.6

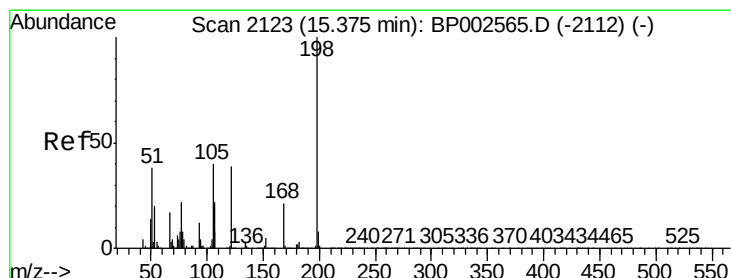
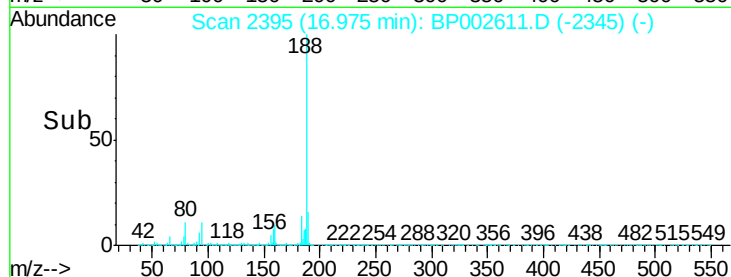
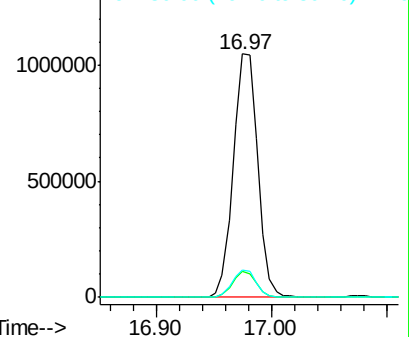
80 11.2 8.2 12.4



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: 2.739 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

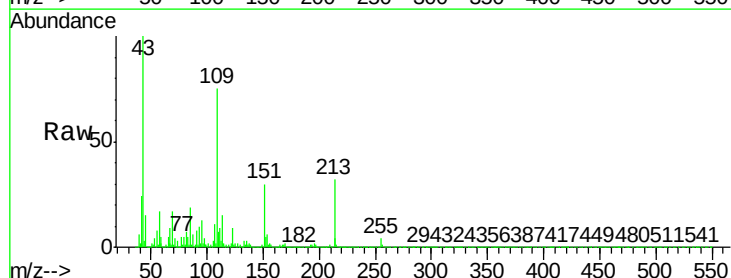
Tgt Ion:198 Resp: 305

Ion Ratio Lower Upper

198 100

51 1365.5 24.2 64.2#

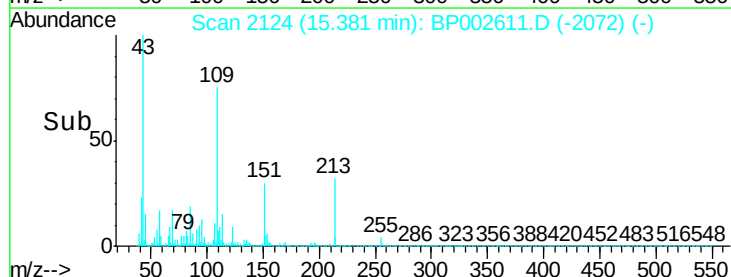
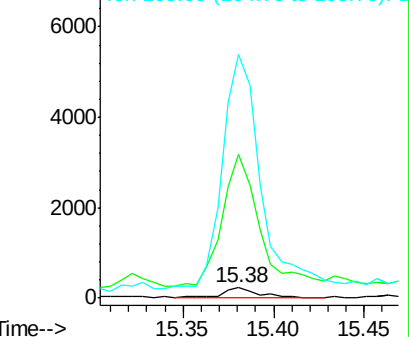
105 2321.1 20.7 60.7#

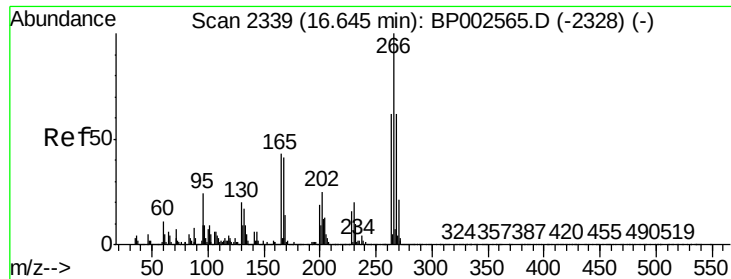


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

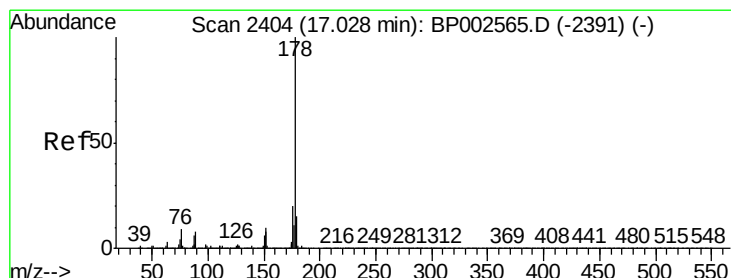
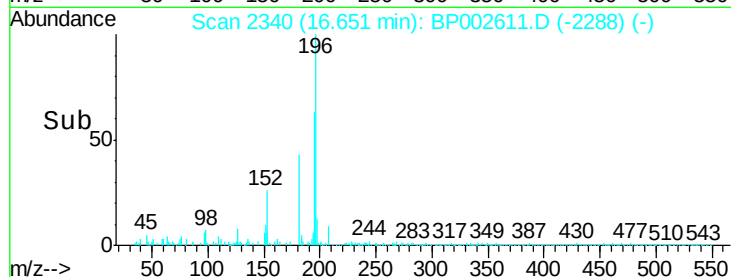
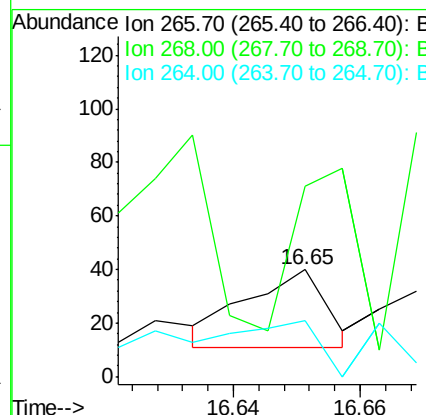
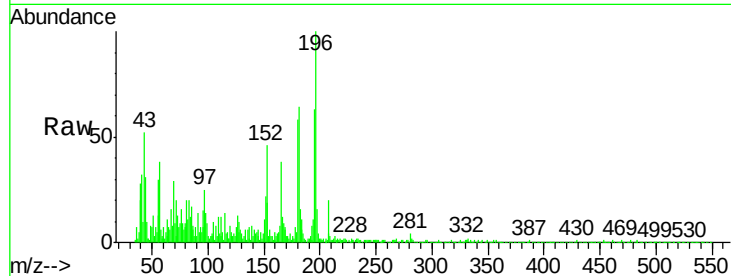




#70
 Pentachlorophenol
 Concen: 2.664 ng
 RT: 16.65 min Scan# 2340
 Delta R.T. 0.01 min
 Lab File: BP002611.D
 Acq: 01 Jul 2020 19:04

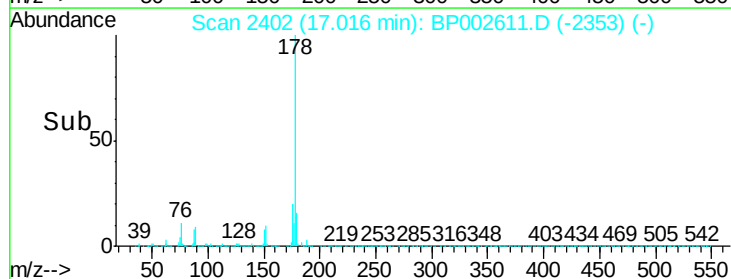
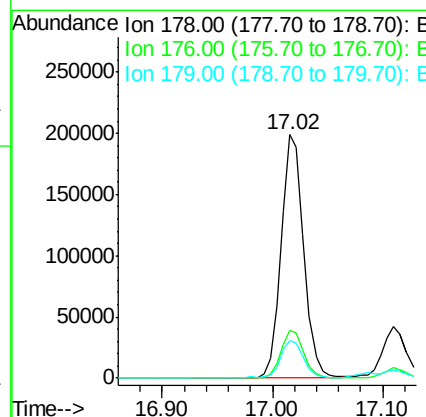
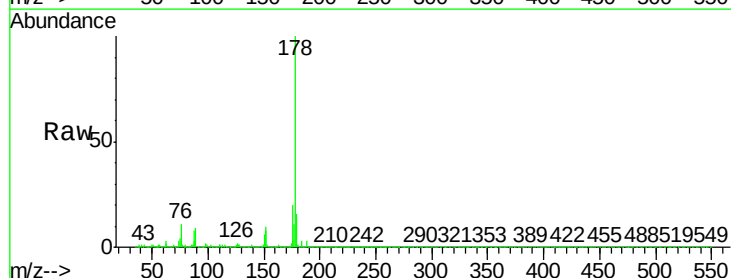
Instrument :
 BNA_P
 ClientSampleId :
 CB-D40

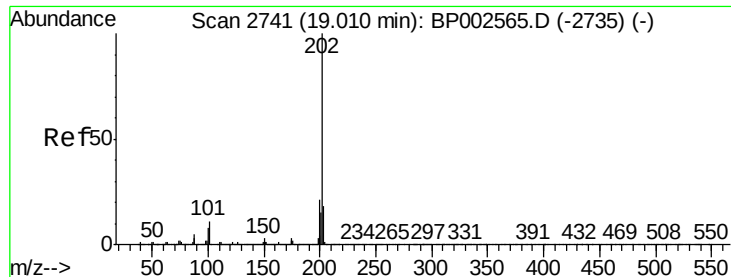
Tot Ion	Ratio	Lower	Upper
266	100		
268	177.5	49.7	74.5#
264	52.5	49.3	73.9



#71
 Phenanthrene
 Concen: 3.398 ng
 RT: 17.02 min Scan# 2402
 Delta R.T. -0.01 min
 Lab File: BP002611.D
 Acq: 01 Jul 2020 19:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.7	12.1	18.1





#75

Fluoranthene

Concen: 3.126 ng

RT: 19.00 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

Instrument :

BNA_P

ClientSampleId :

CB-D40

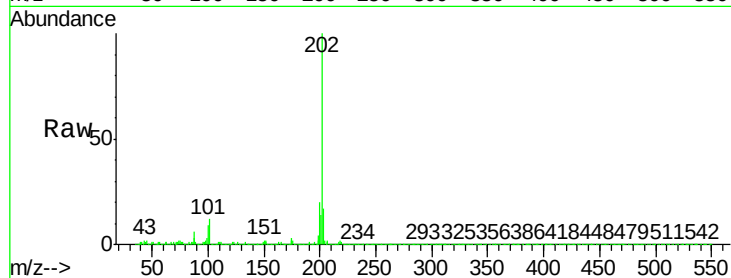
Tot Ion:202 Resp: 314203

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.6

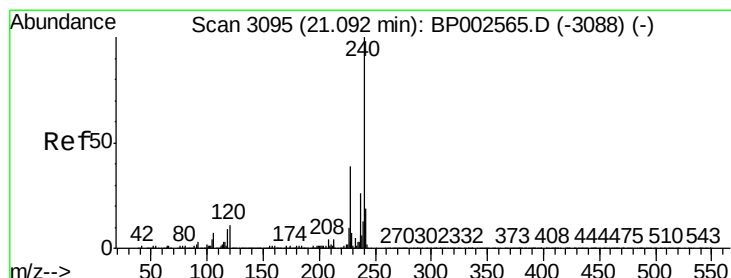
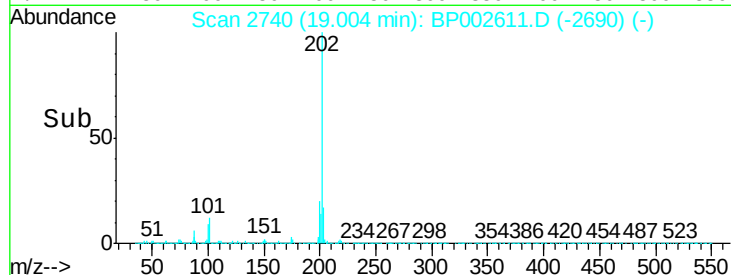
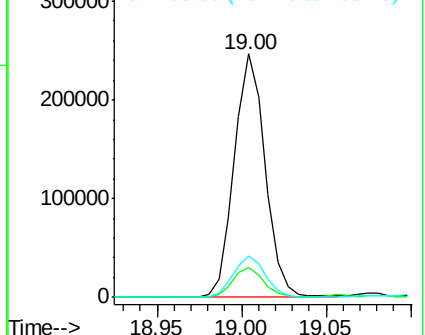
203 17.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

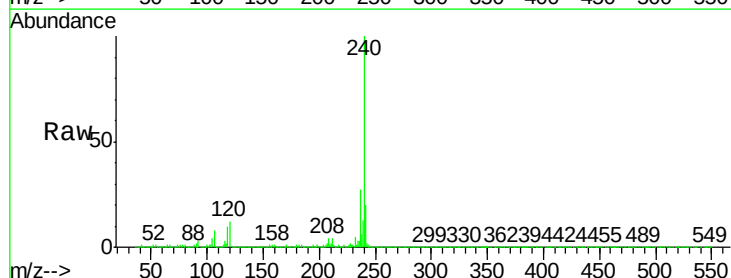
Tgt Ion:240 Resp: 1337138

Ion Ratio Lower Upper

240 100

120 11.6 8.6 13.0

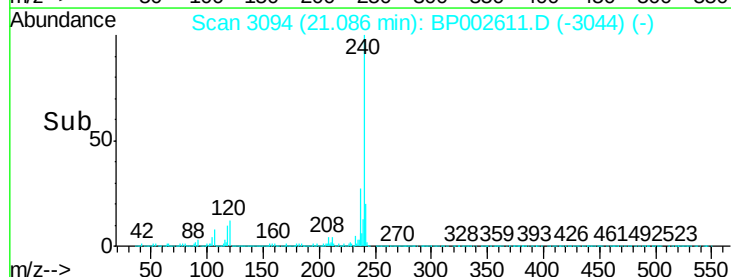
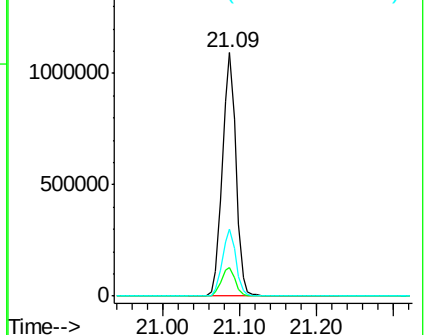
236 27.4 20.8 31.2

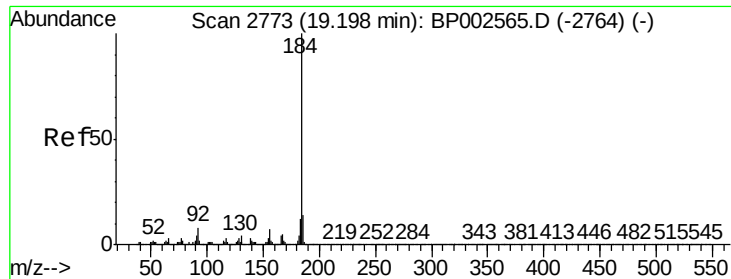


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.757 ng

RT: 19.19 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

Instrument :

BNA_P

ClientSampleId :

CB-D40

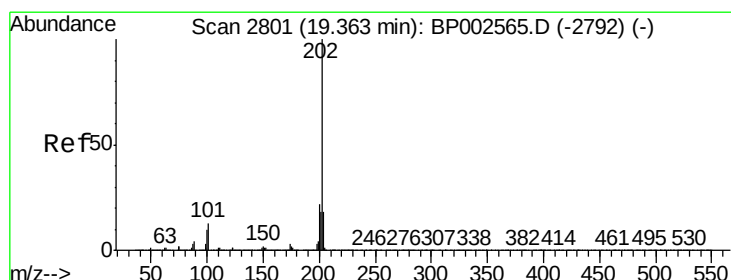
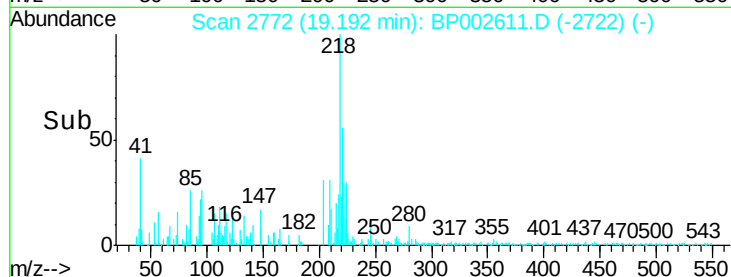
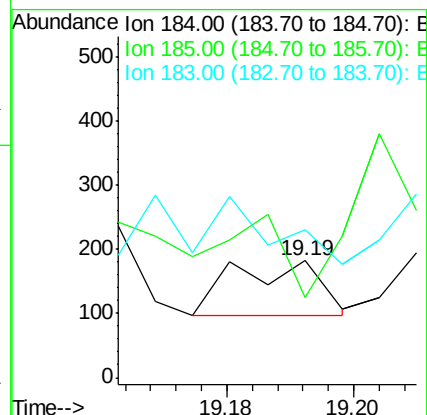
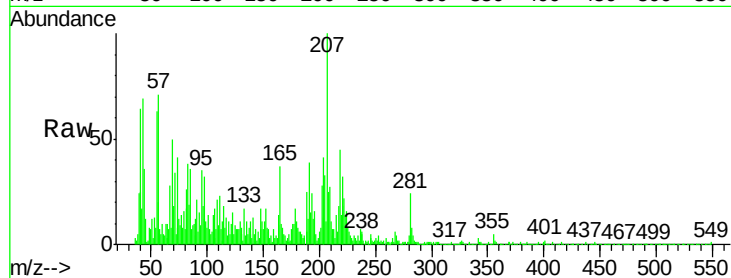
Tot Ion:184 Resp: 81

Ion Ratio Lower Upper

184 100

185 68.1 11.4 17.2#

183 126.4 9.2 13.8#



#78

Pyrene

Concen: 3.236 ng

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

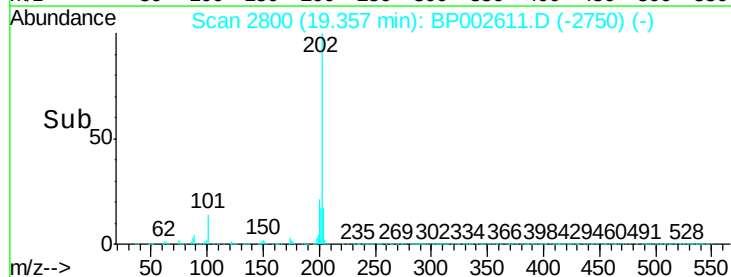
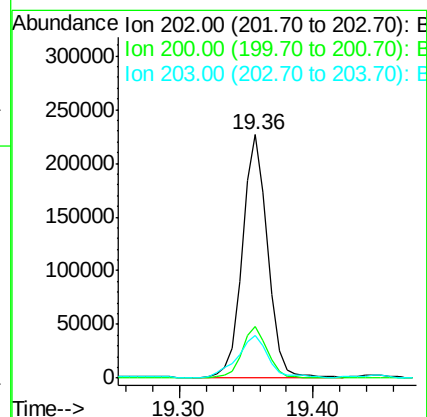
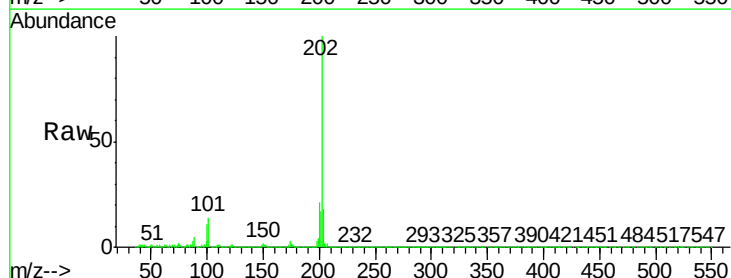
Tgt Ion:202 Resp: 294535

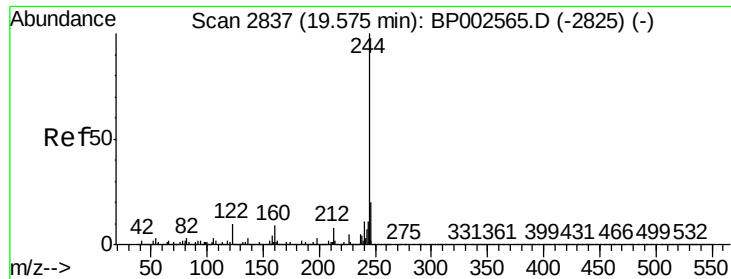
Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 60.459 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002611.D

Acq: 01 Jul 2020 19:04

Instrument :

BNA_P

ClientSampleId :

CB-D40

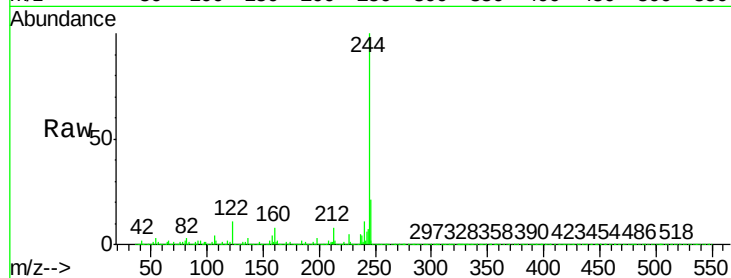
Tot Ion:244 Resp: 3745294

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

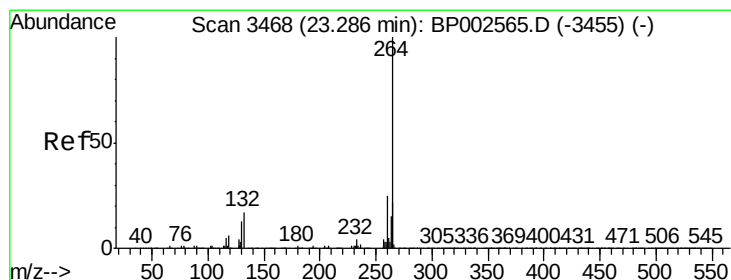
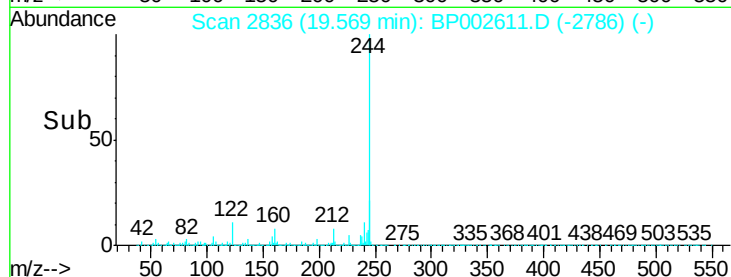
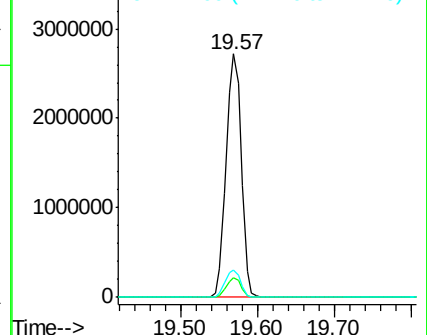
122 11.2 7.9 11.9



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: BP002611.D

Acq: 01 Jul 2020 19:04

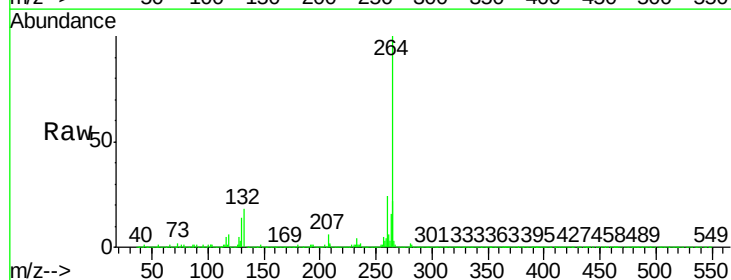
Tgt Ion:264 Resp: 1104697

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

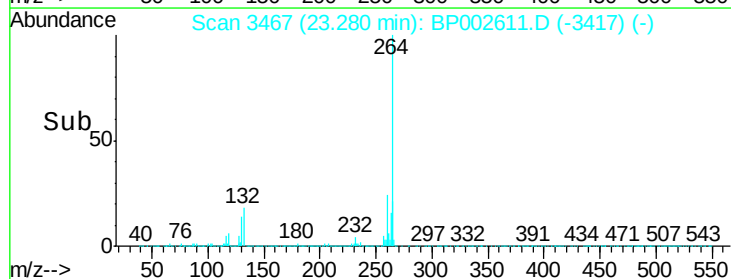
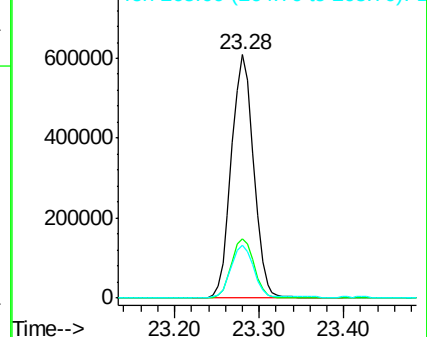
265 21.5 17.6 26.4

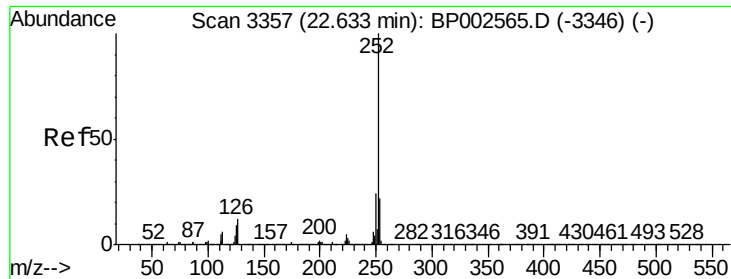


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

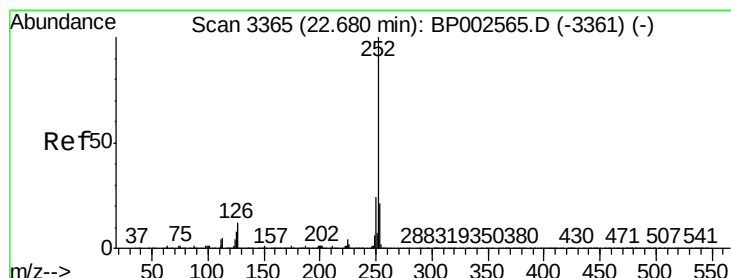
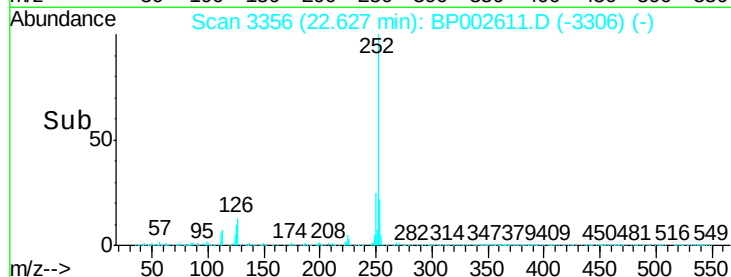
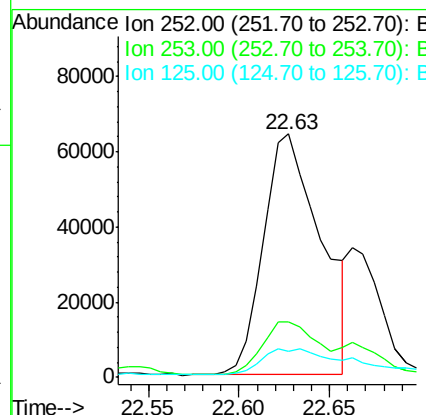
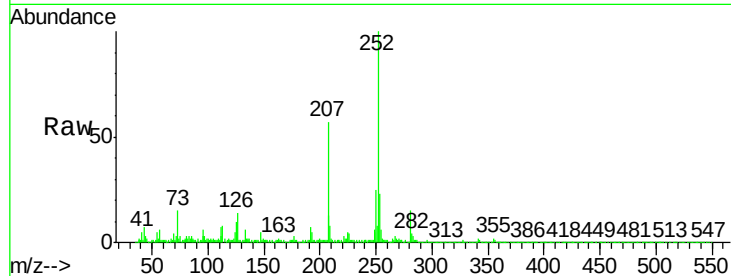




#88
Benzo(b)fluoranthene
Concen: 2.004 ng
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Instrument :
BNA_P
ClientSampleId :
CB-D40

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.4	7.4	11.2



#89
Benzo(k)fluoranthene
Concen: 2.148 ng
RT: 22.63 min Scan# 3356
Delta R.T. -0.05 min
Lab File: BP002611.D
Acq: 01 Jul 2020 19:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	10.4	6.9	10.3

