

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002613.D
 Acq On : 01 Jul 2020 20:12
 Operator : CG/JU
 Sample : L3162-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GL-SP

Quant Time: Jul 02 00:56:29 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	341255	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1326385	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	775118	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1464451	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1014229	20.00	ng	0.00
86) Perylene-d12	23.29	264	949375	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1465688	72.72	ng	0.00
7) Phenol-d6	6.76	99	1997072	70.99	ng	0.00
23) Nitrobenzene-d5	8.72	82	1317334	51.17	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	615001	65.23	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2653707	50.39	ng	0.00
79) Terphenyl-d14	19.57	244	2875228	61.19	ng	0.00

Target Compounds

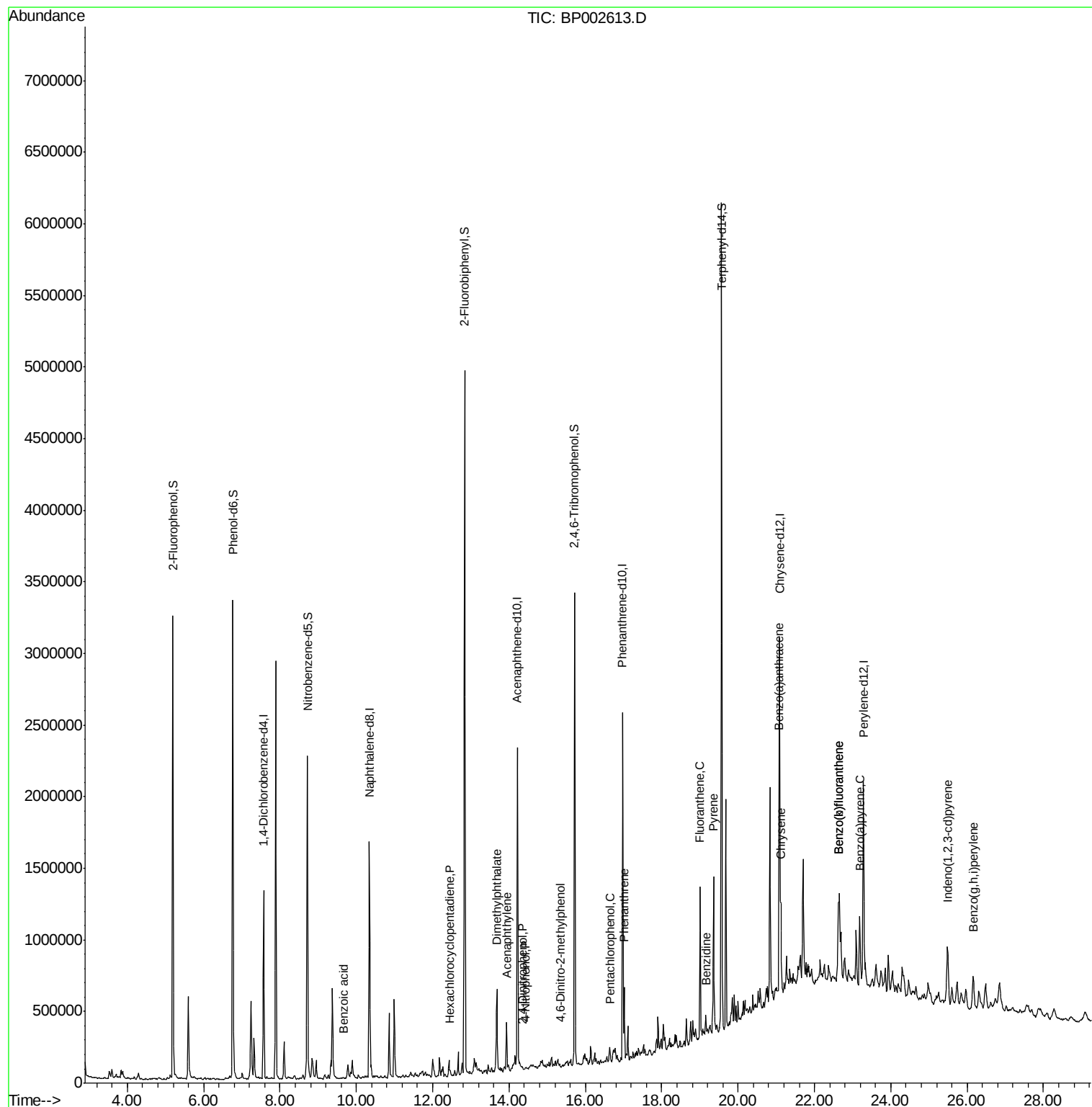
						Qvalue
9) Benzaldehyde	6.73	77	3951	Below Cal	#	13
32) Benzoic acid	9.66	122	1252	8.769 ng	#	8
41) Hexachlorocyclopentadiene	12.46	237	22	4.383 ng		97
49) Acenaphthylene	13.93	152	249919	3.327 ng		98
50) Dimethylphthalate	13.68	163	311343	5.114 ng		100
54) 2,4-Dinitrophenol	14.37	184	55	6.015 ng	#	1
56) 4-Nitrophenol	14.44	139	488	2.478 ng	#	1
65) 4,6-Dinitro-2-methylphenol	15.35	198	57	2.715 ng	#	1
70) Pentachlorophenol	16.65	266	1149	2.772 ng	#	84
71) Phenanthrene	17.02	178	299875	3.806 ng		99
75) Fluoranthene	19.00	202	602483	6.317 ng		97
77) Benzidine	19.17	184	481	3.766 ng	#	1
78) Pyrene	19.36	202	602925	8.734 ng		100
81) Benzo(a)anthracene	21.07	228	337444	5.089 ng		96
83) Chrysene	21.12	228	339596	5.341 ng		97
87) Indeno(1,2,3-cd)pyrene	25.49	276	261192	3.821 ng		99
88) Benzo(b)fluoranthene	22.63	252	613244	10.123 ng	#	92
89) Benzo(k)fluoranthene	22.63	252	613244	10.851 ng	#	90
90) Benzo(a)pyrene	23.19	252	315204	5.670 ng	#	94
92) Benzo(a,h,i)perylene	26.16	276	277650	4.970 ng		96

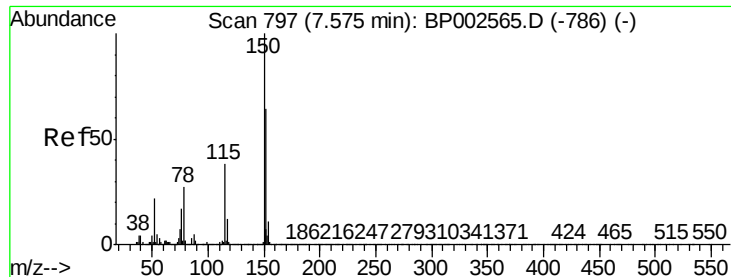
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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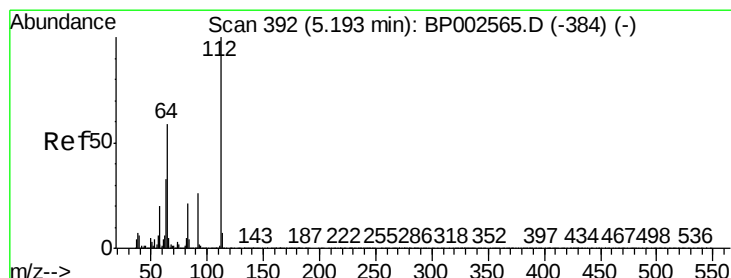
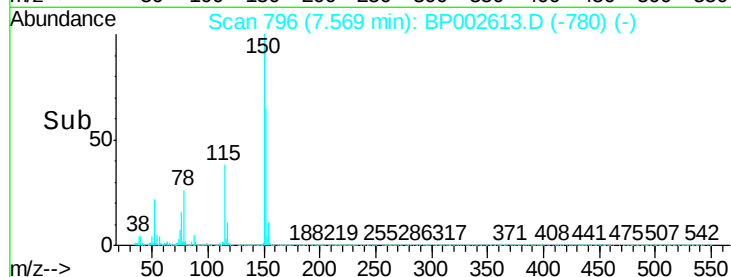
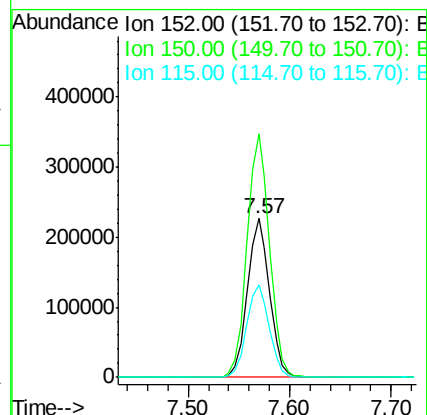
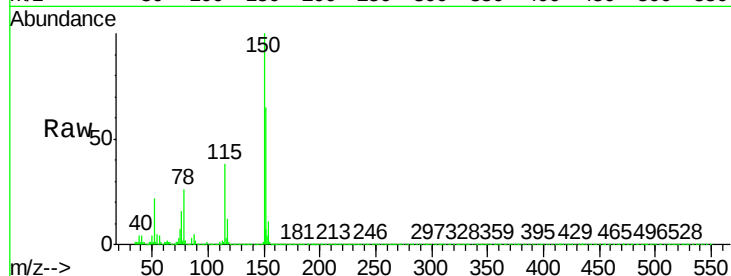


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampled :
GL-SP

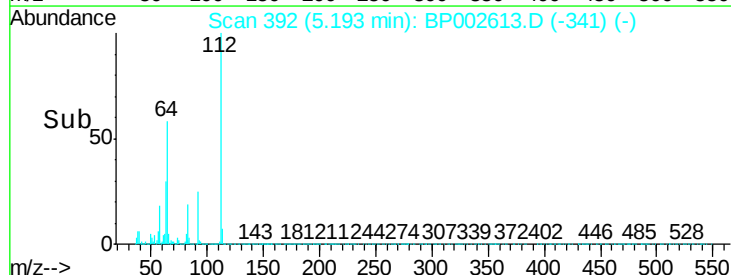
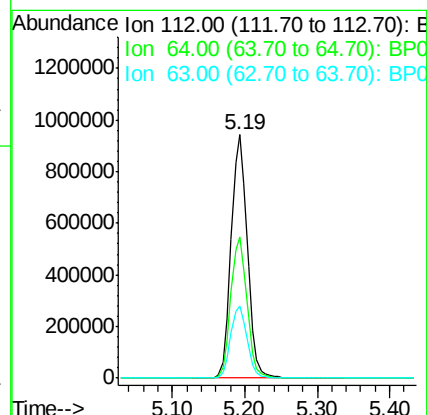
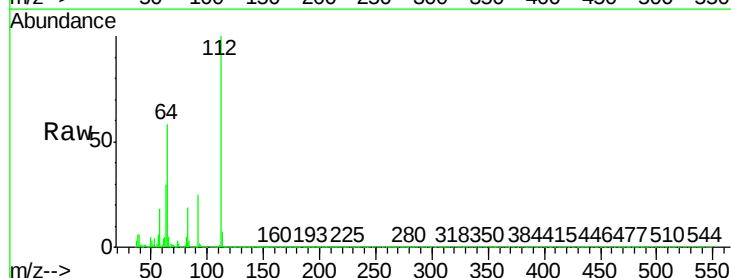
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.2	186.2
115	58.0	47.1	70.7

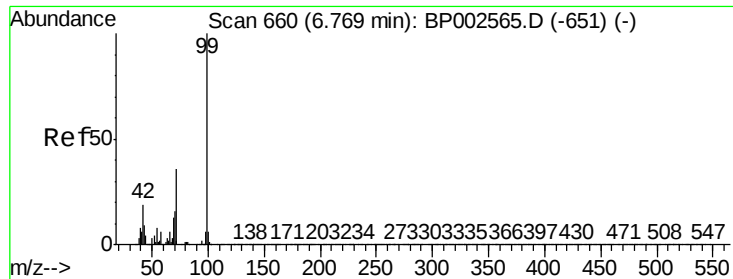


#5

2-Fluorophenol
Concen: 72.719 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.0	70.6
63	29.8	26.1	39.1





#7

Phenol-d6

Concen: 70.990 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

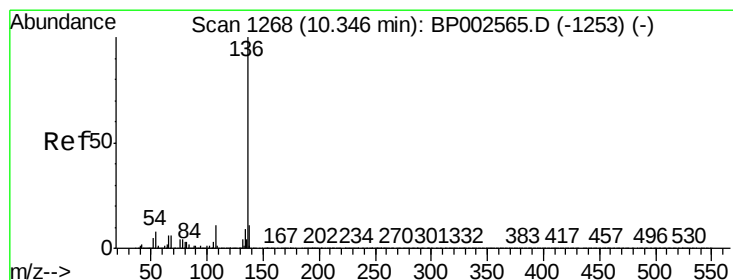
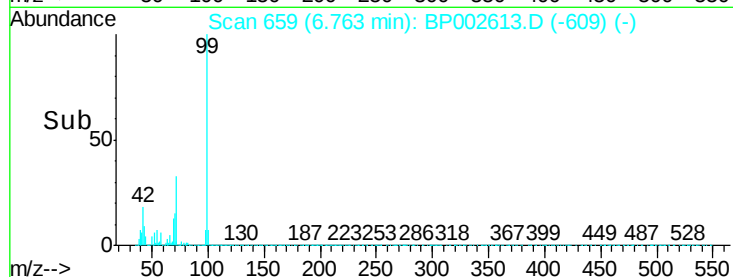
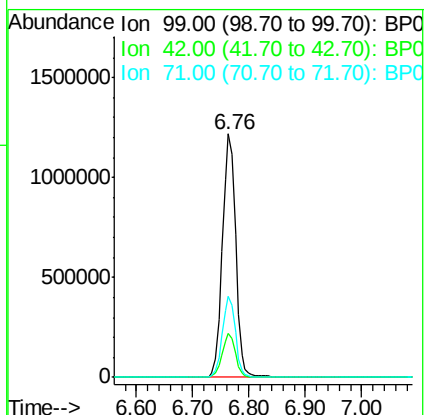
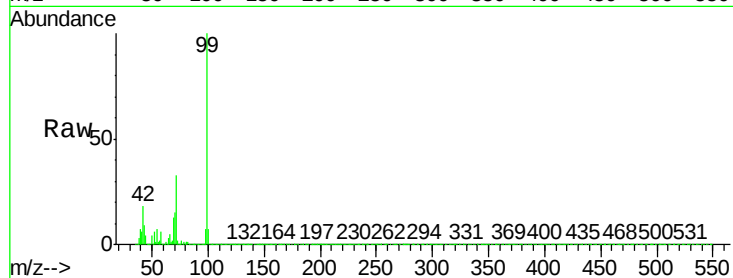
Tot Ion: 99 Resp: 1997072

Ion Ratio Lower Upper

99 100

42 18.0 15.5 23.3

71 33.2 28.9 43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Tgt Ion: 136 Resp: 1326385

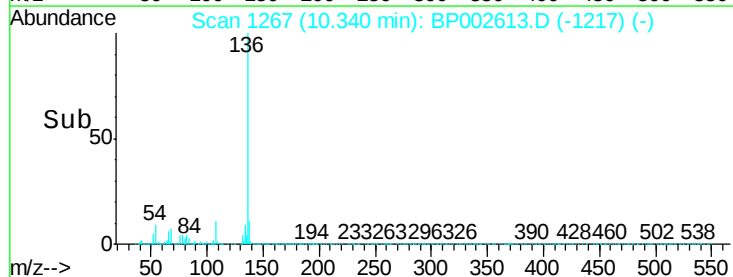
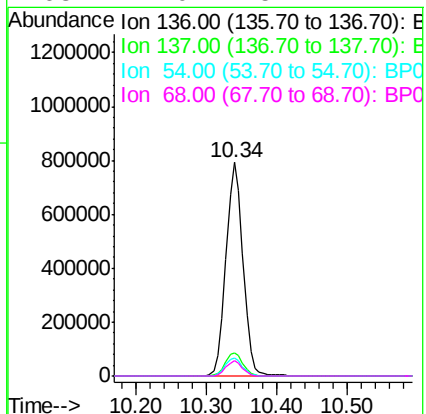
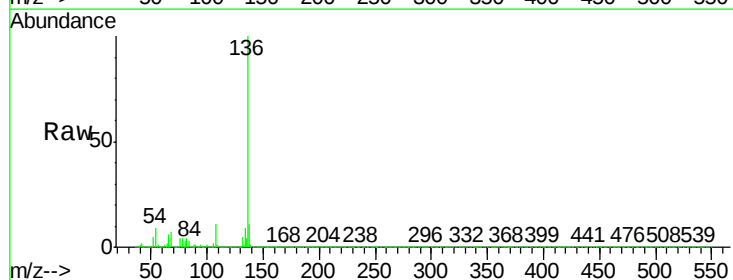
Ion Ratio Lower Upper

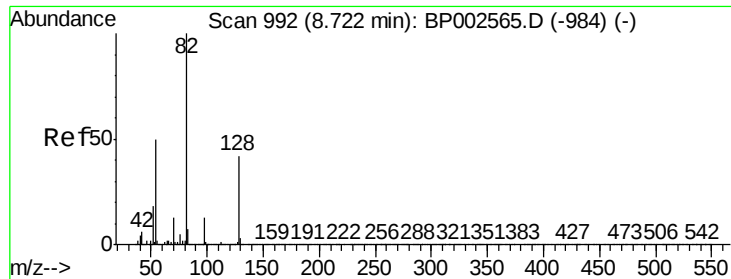
136 100

137 11.1 8.8 13.2

54 8.6 6.4 9.6

68 7.0 5.1 7.7

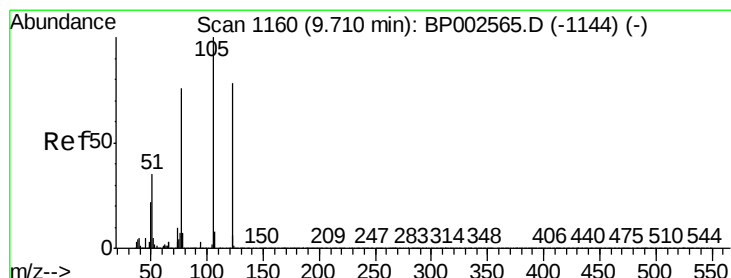
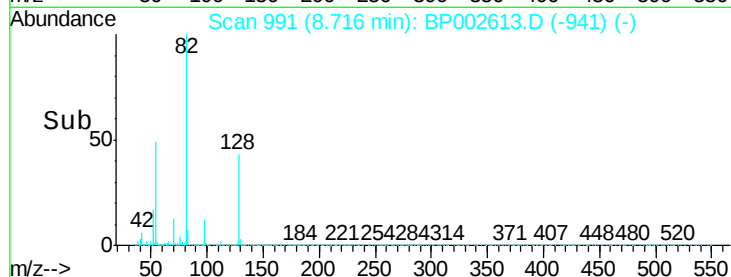
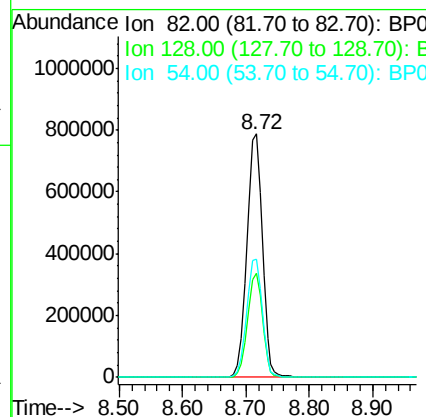
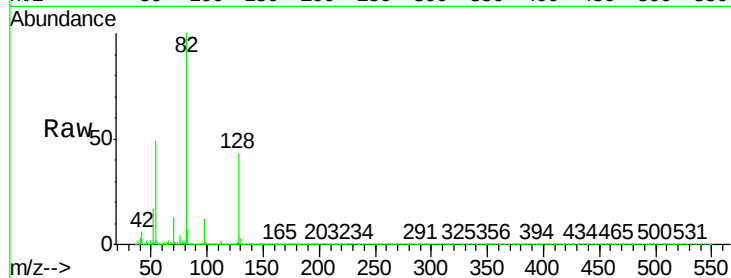




#23
 Nitrobenzene-d5
 Concen: 51.174 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

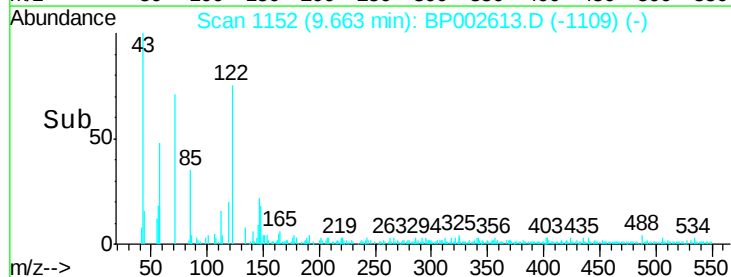
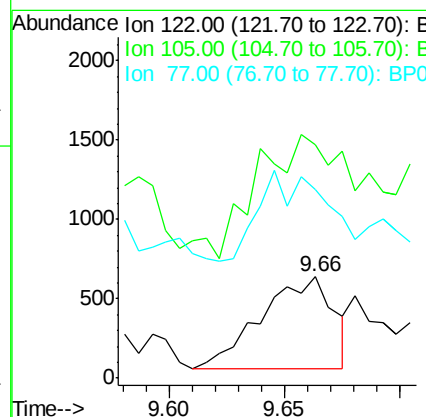
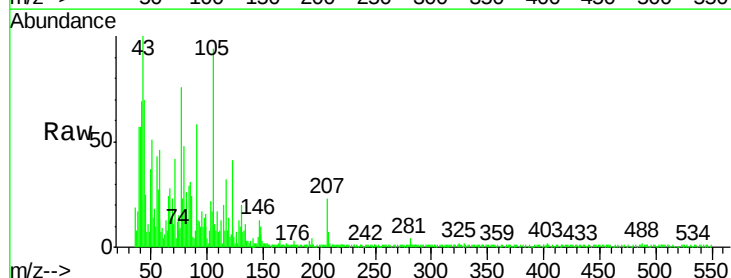
Instrument :
 BNA_P
 ClientSampled :
 GL-SP

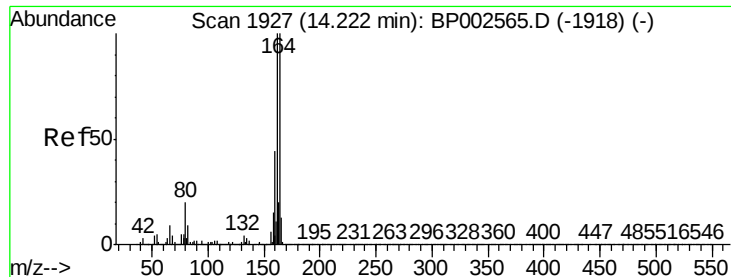
Tot Ion: 82 Resp: 1317334
 Ion Ratio Lower Upper
 82 100
 128 42.9 33.4 50.2
 54 48.5 40.1 60.1



#32
 Benzoic acid
 Concen: 8.769 ng
 RT: 9.66 min Scan# 1152
 Delta R.T. -0.05 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Tgt Ion:122 Resp: 1252
 Ion Ratio Lower Upper
 122 100
 105 231.8 106.6 146.6#
 77 186.5 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: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

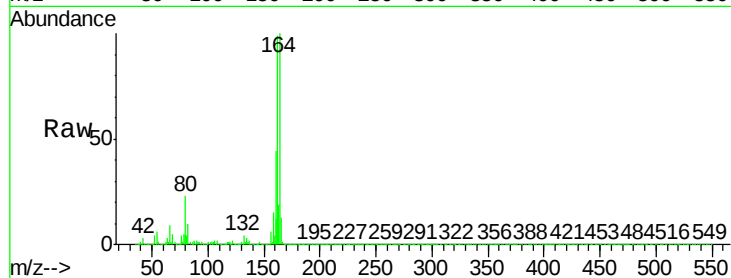
Tot Ion:164 Resp: 775118

Ion Ratio Lower Upper

164 100

162 99.0 80.3 120.5

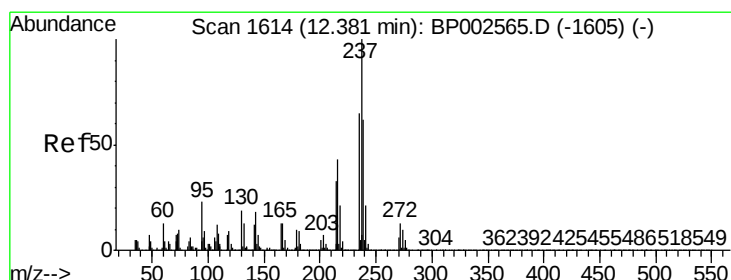
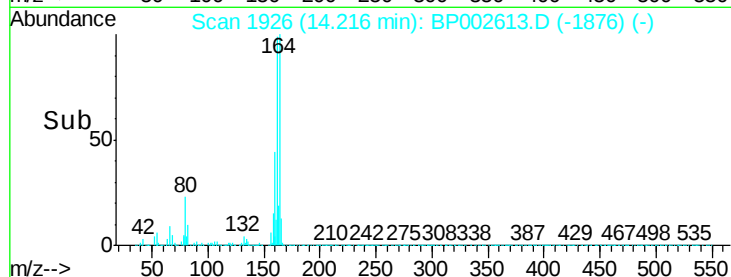
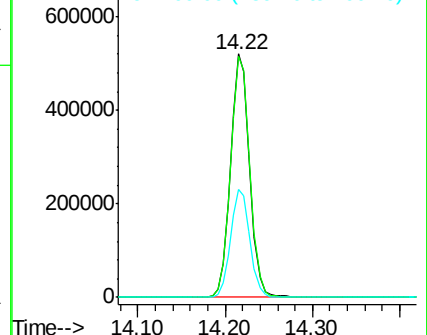
160 44.1 35.0 52.6



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: 12.46 min Scan# 1627

Delta R.T. 0.08 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

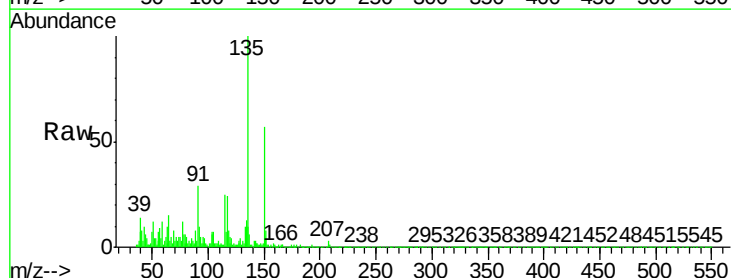
Tgt Ion:237 Resp: 22

Ion Ratio Lower Upper

237 100

235 62.5 45.4 85.4

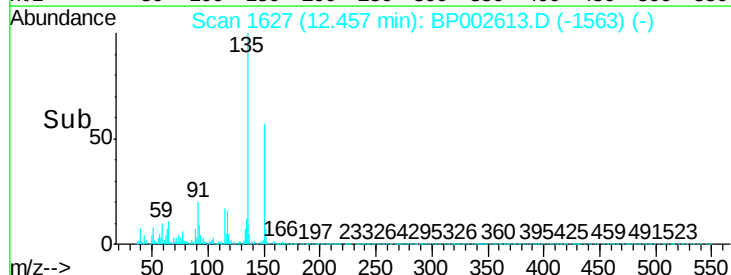
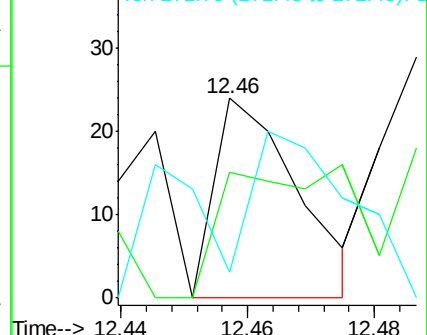
272 12.5 0.0 32.6

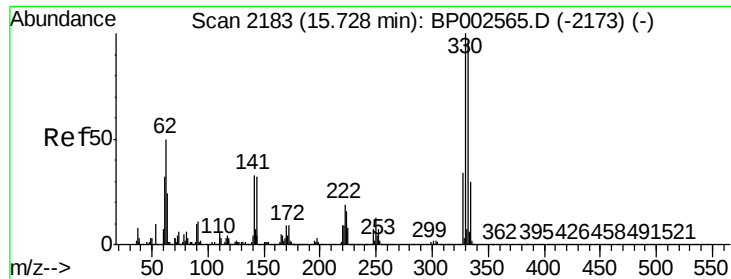


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

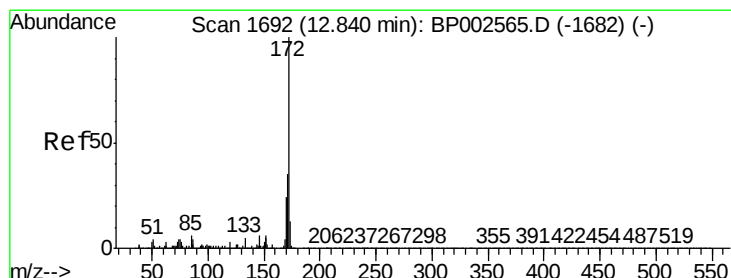
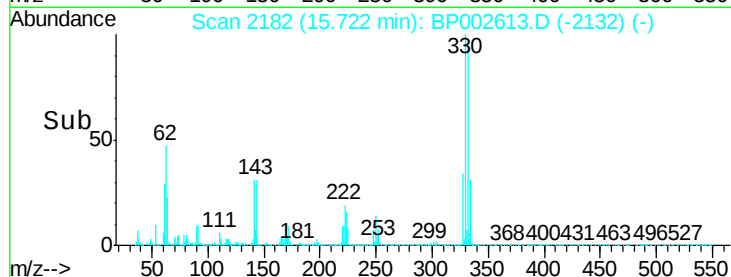
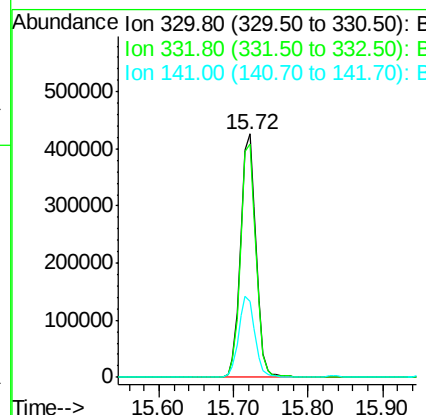
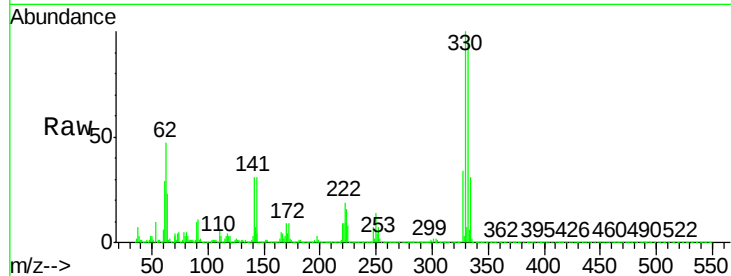




#42
 2,4,6-Tribromophenol
 Concen: 65.234 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

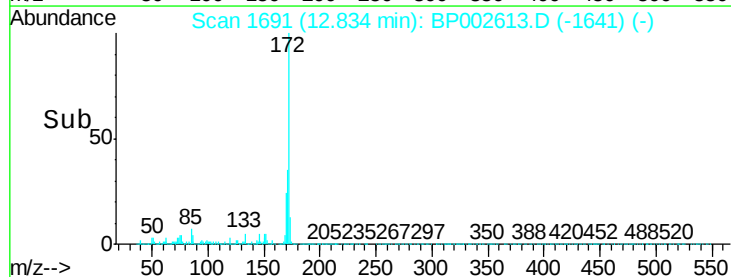
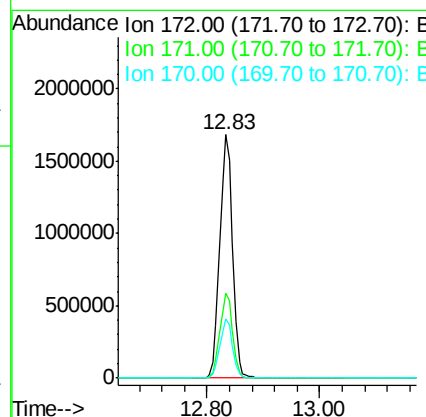
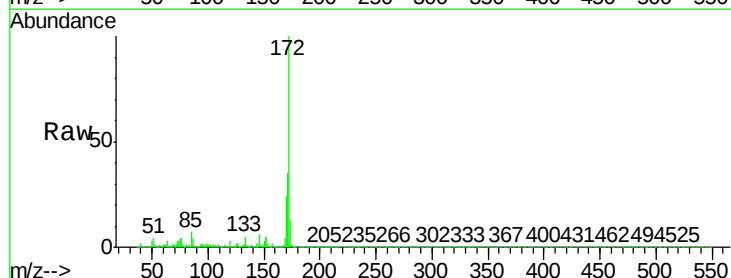
Instrument :
 BNA_P
 ClientSampleId :
 GL-SP

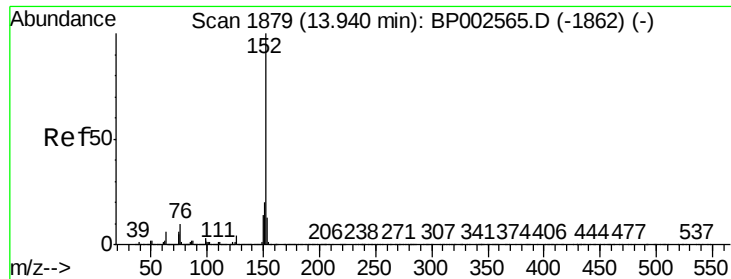
Tot Ion:330 Resp: 615001
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.7 116.5
 141 34.7 29.0 43.6



#45
 2-Fluorobiphenyl
 Concen: 50.390 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Tgt Ion:172 Resp: 2653707
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.0 42.0
 170 24.3 19.0 28.4





#49

Acenaphthylene

Concen: 3.327 ng

RT: 13.93 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

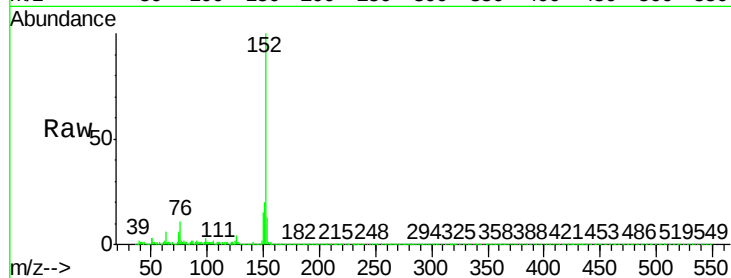
BNA_P

ClientSampleId :

GL-SP

Tot Ion:152 Resp: 249919

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.5	10.2	15.2

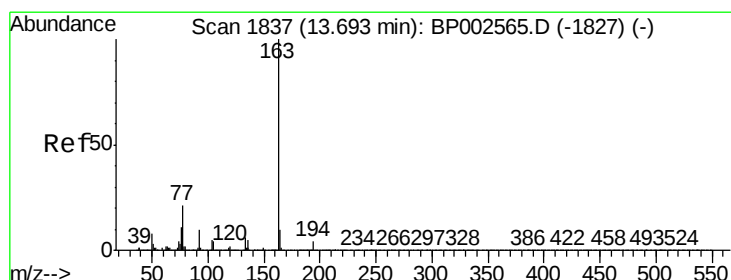
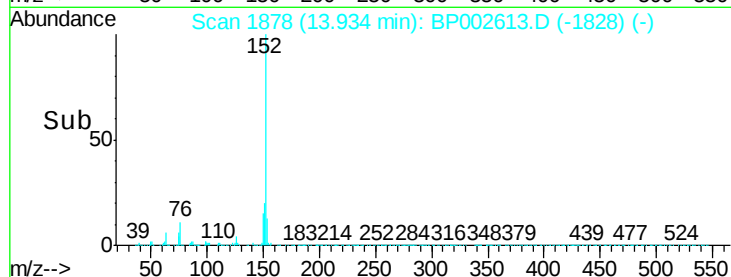
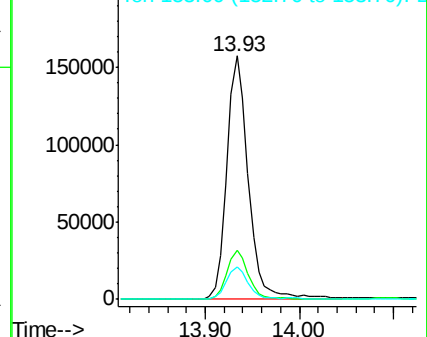


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.114 ng

RT: 13.68 min Scan# 1835

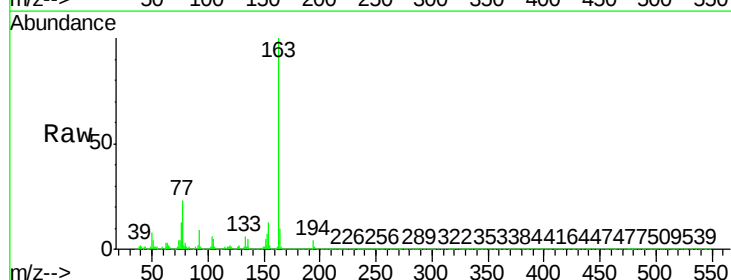
Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Tgt Ion:163 Resp: 311343

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.4	8.2	12.4

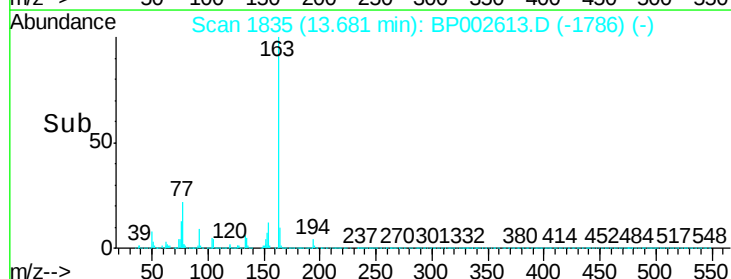
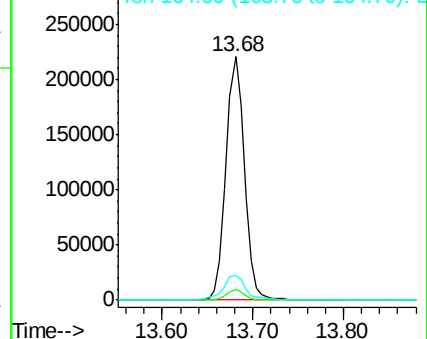


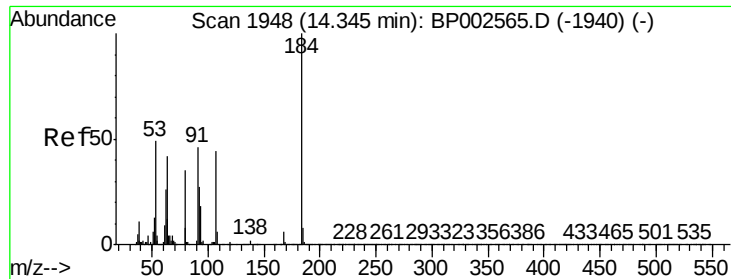
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

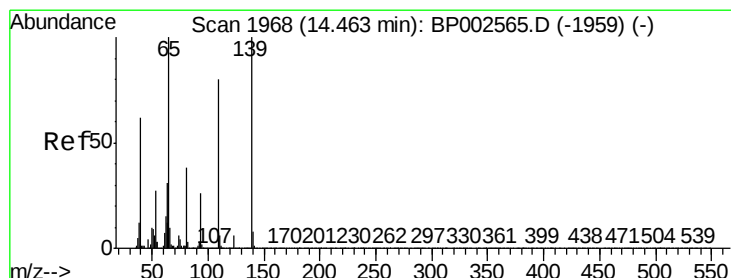
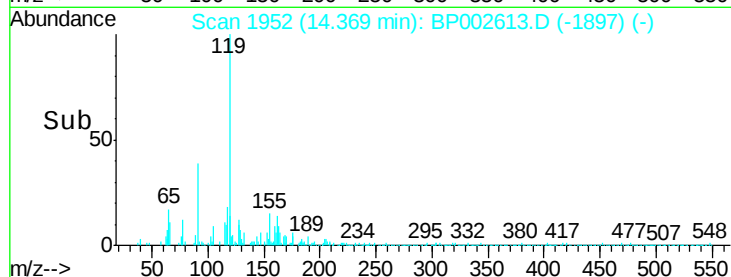
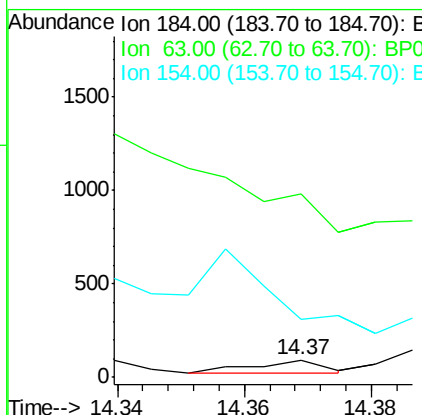
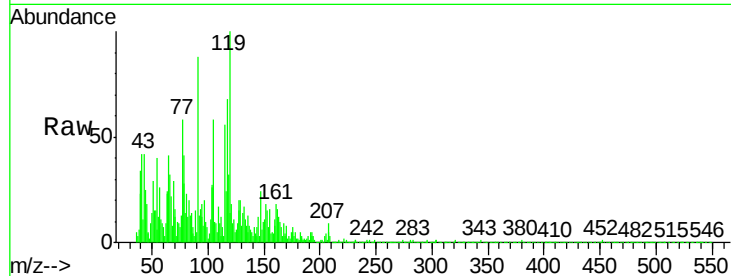




#54
2,4-Dinitrophenol
Concen: 6.015 ng
RT: 14.37 min Scan# 1952
Delta R.T. 0.02 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

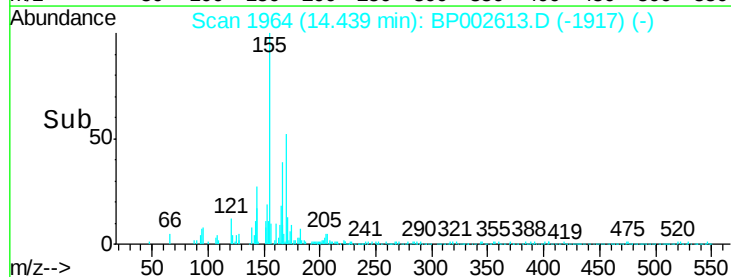
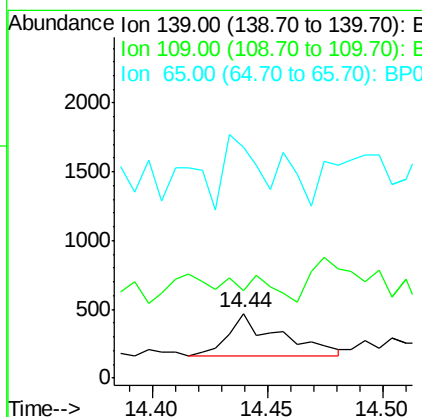
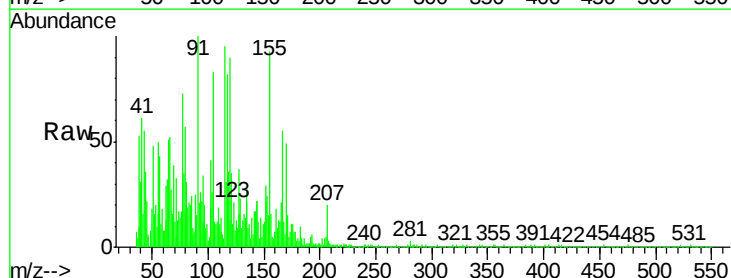
Instrument :
BNA_P
ClientSampleId :
GL-SP

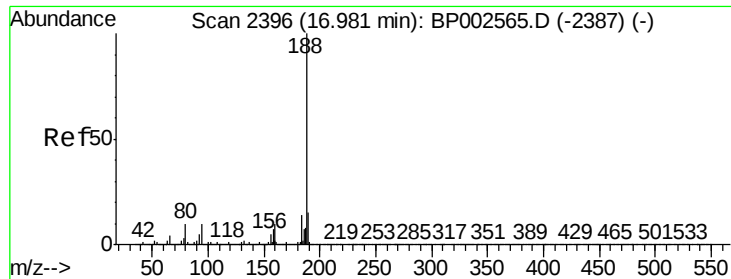
Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 1044.7 56.2 84.2#
154 327.7 50.9 76.3#



#56
4-Nitrophenol
Concen: 2.478 ng
RT: 14.44 min Scan# 1964
Delta R.T. -0.02 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion:139 Resp: 488
Ion Ratio Lower Upper
139 100
109 136.2 60.1 100.1#
65 356.4 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: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

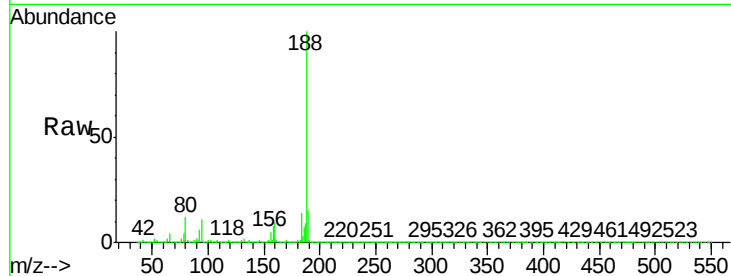
Tot Ion:188 Resp: 1464451

Ion Ratio Lower Upper

188 100

94 10.8 7.8 11.6

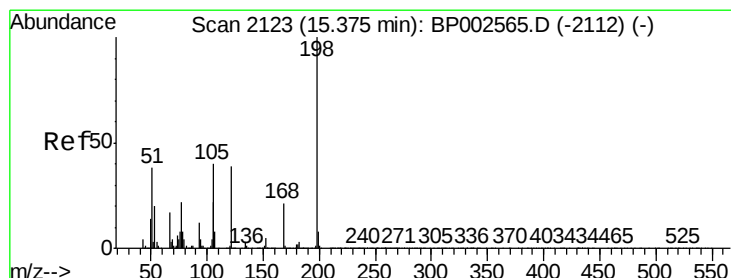
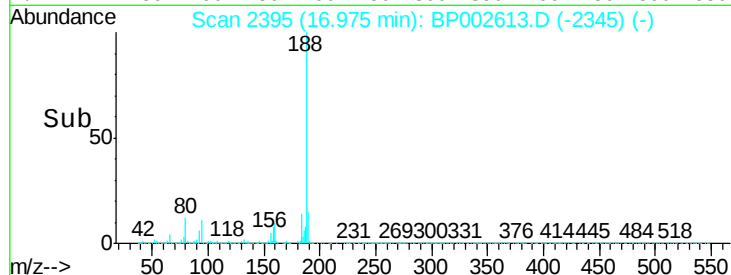
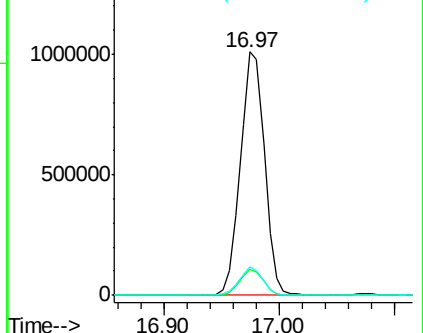
80 11.7 8.2 12.4



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: 2.715 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.02 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

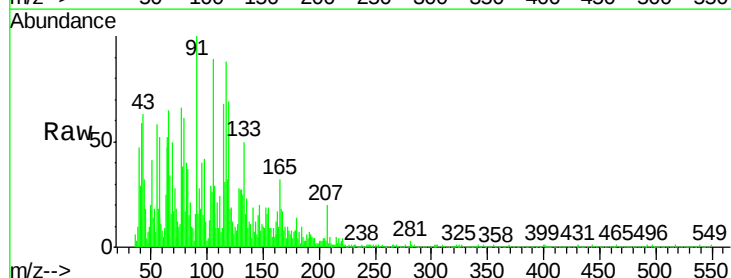
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 1957.7 24.2 64.2#

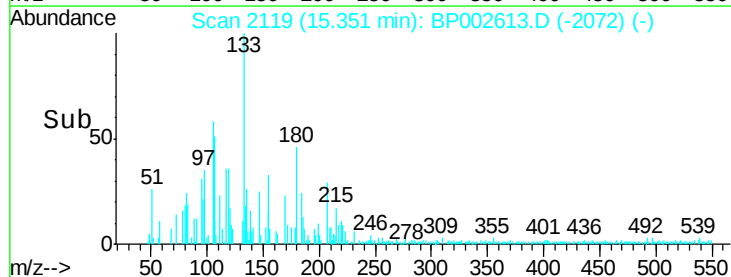
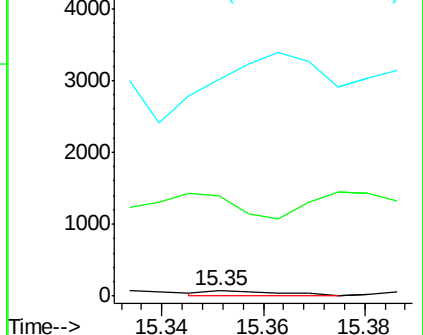
105 4256.3 20.7 60.7#

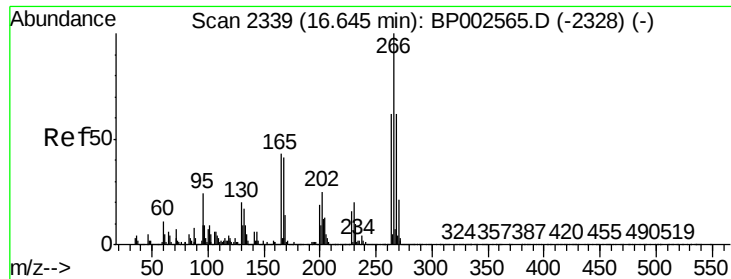


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 2.772 ng

RT: 16.65 min Scan# 2339

Delta R.T. 0.00 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

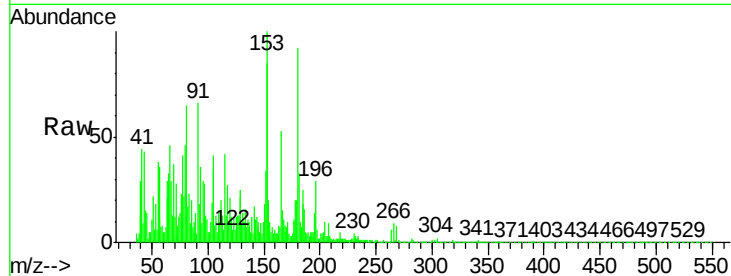
Tot Ion:266 Resp: 1149

Ion Ratio Lower Upper

266 100

268 83.1 49.7 74.5#

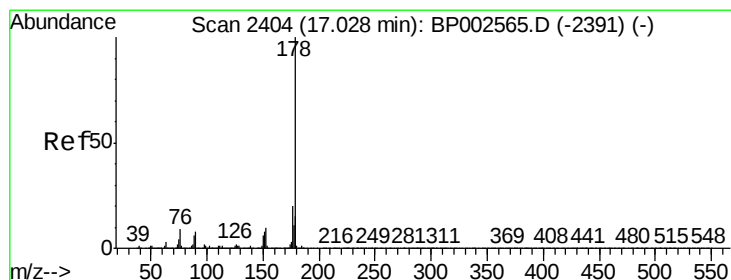
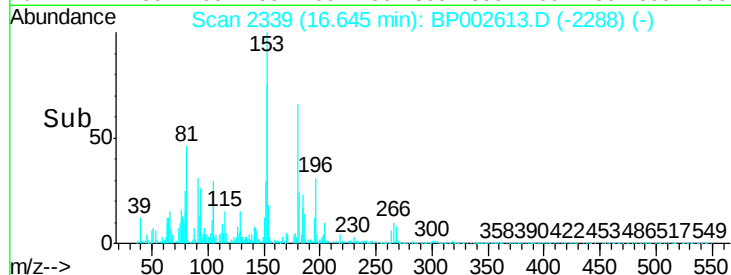
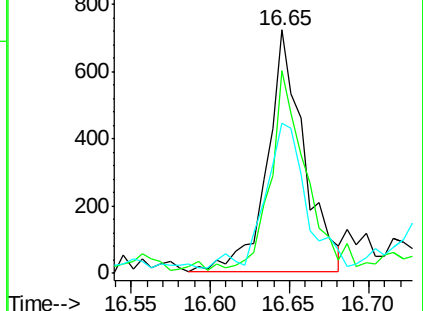
264 64.6 49.3 73.9



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: 3.806 ng

RT: 17.02 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

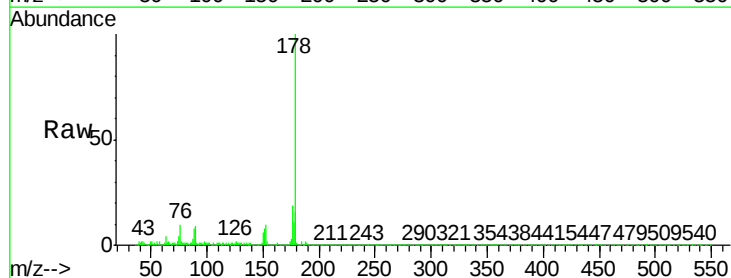
Tgt Ion:178 Resp: 299875

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

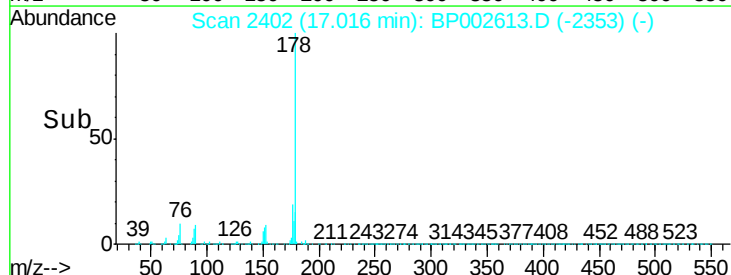
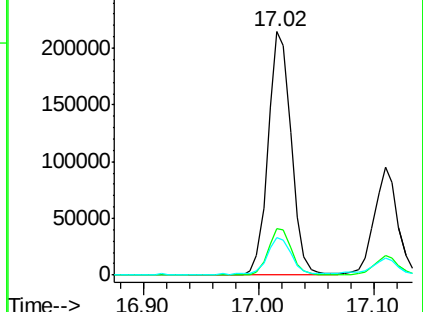
179 15.5 12.1 18.1

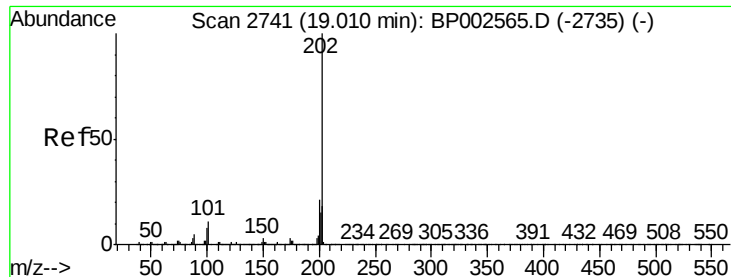


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.317 ng

RT: 19.00 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

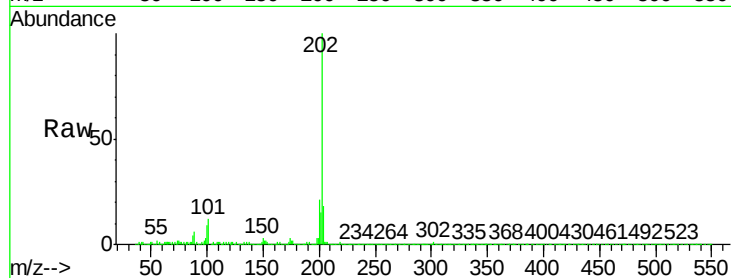
Tot Ion:202 Resp: 602483

Ion Ratio Lower Upper

202 100

101 12.4 0.0 30.6

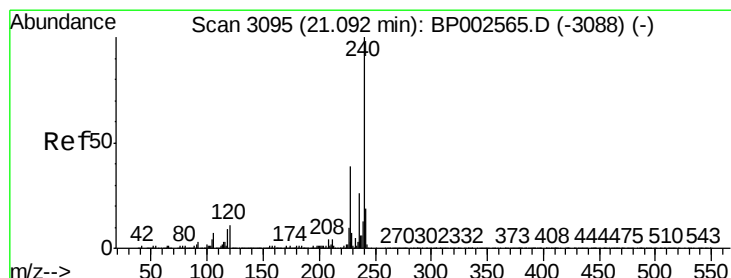
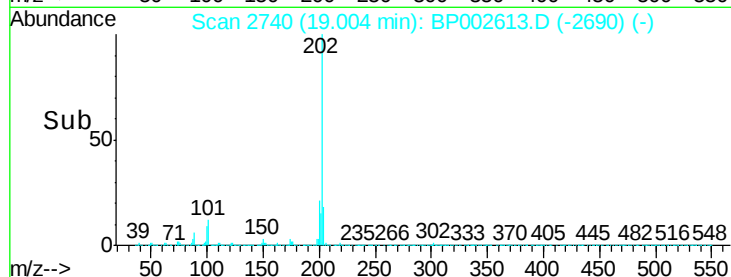
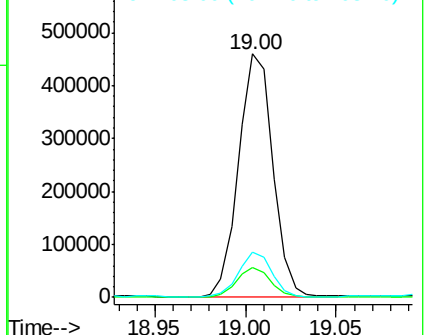
203 18.5 0.0 37.7



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: BP002613.D

Acq: 01 Jul 2020 20:12

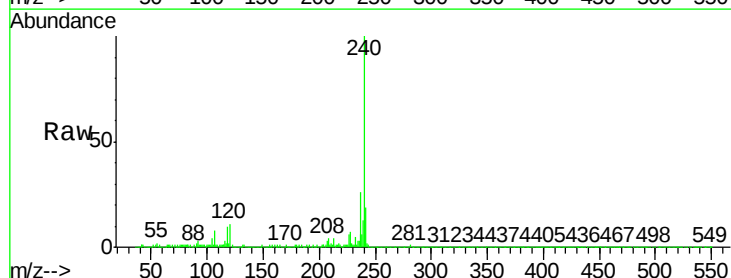
Tgt Ion:240 Resp: 1014229

Ion Ratio Lower Upper

240 100

120 11.4 8.6 13.0

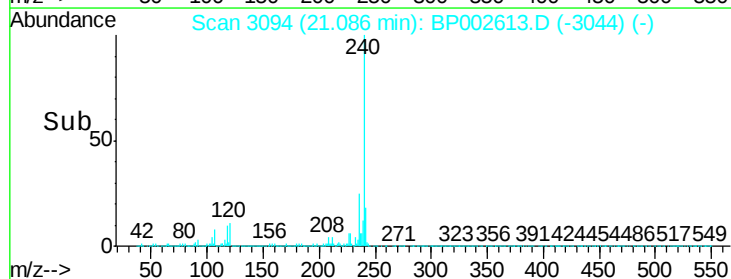
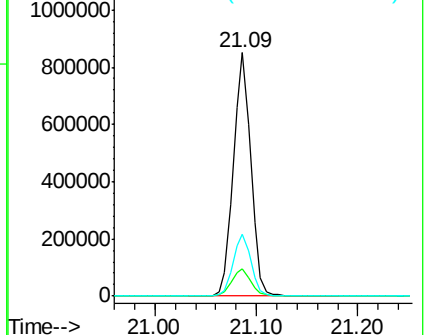
236 25.5 20.8 31.2

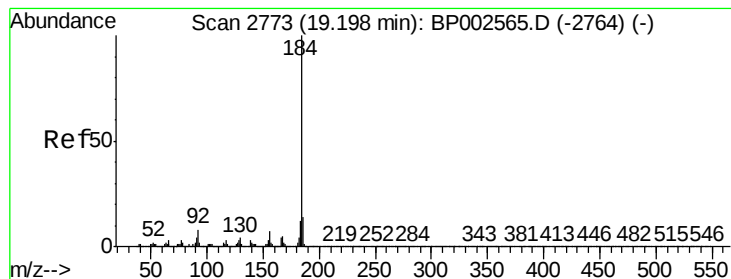


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.766 ng

RT: 19.17 min Scan# 2769

Delta R.T. -0.02 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

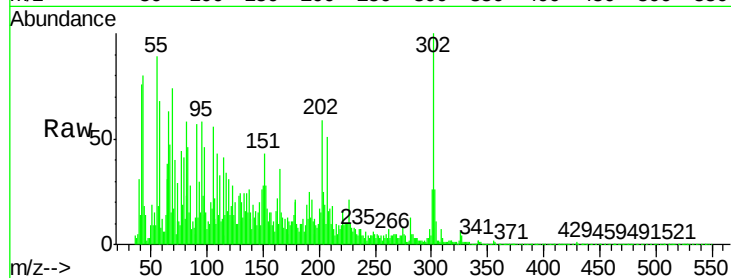
Tot Ion:184 Resp: 481

Ion Ratio Lower Upper

184 100

185 120.0 11.4 17.2#

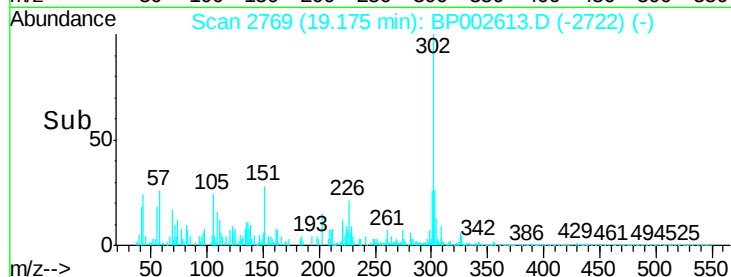
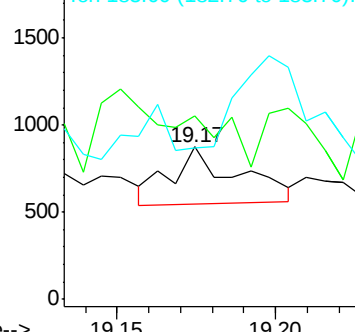
183 99.3 9.2 13.8#



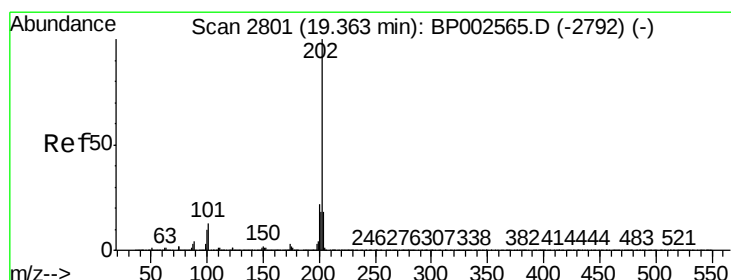
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 8.734 ng

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

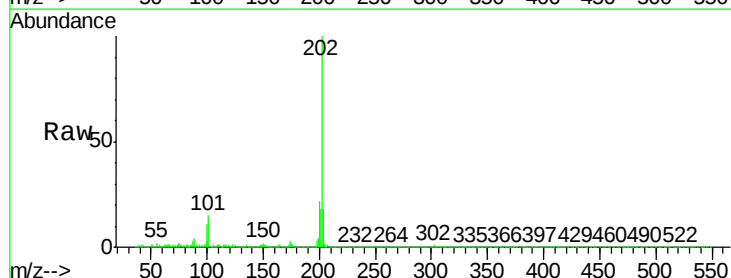
Tgt Ion:202 Resp: 602925

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

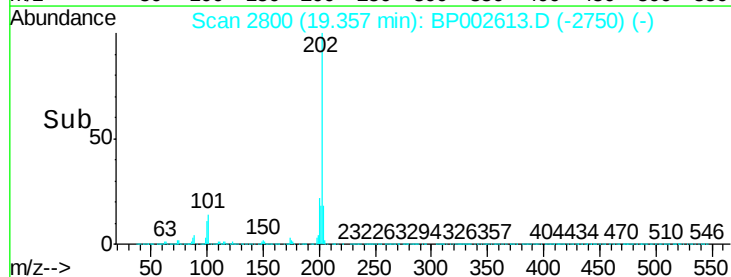
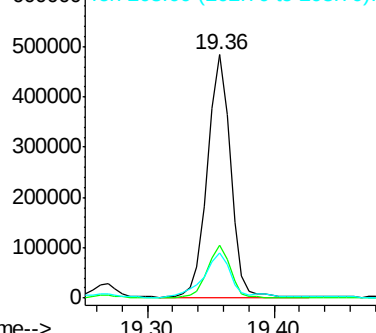
203 18.3 14.4 21.6



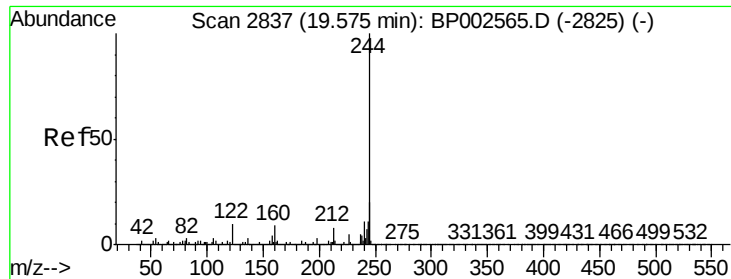
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 61.191 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

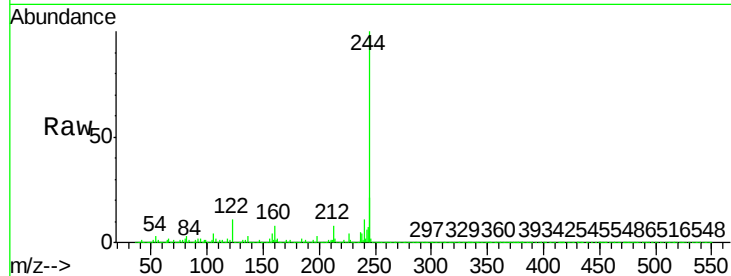
Tot Ion:244 Resp: 2875228

Ion Ratio Lower Upper

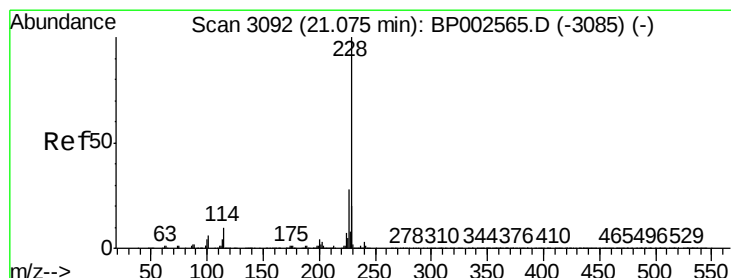
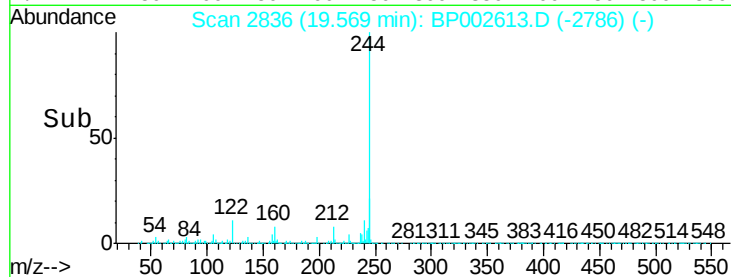
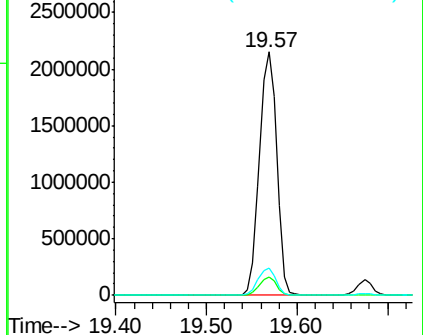
244 100

212 7.6 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



#81

Benzo(a)anthracene

Concen: 5.089 ng

RT: 21.07 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

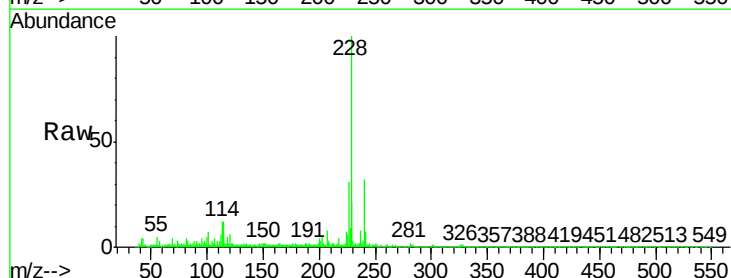
Tgt Ion:228 Resp: 337444

Ion Ratio Lower Upper

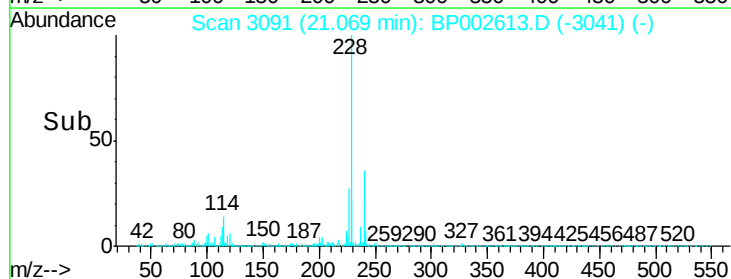
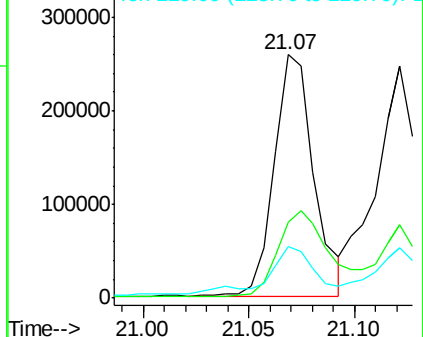
228 100

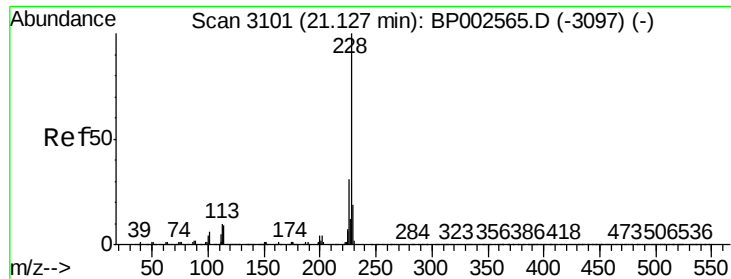
226 31.4 22.5 33.7

229 21.4 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

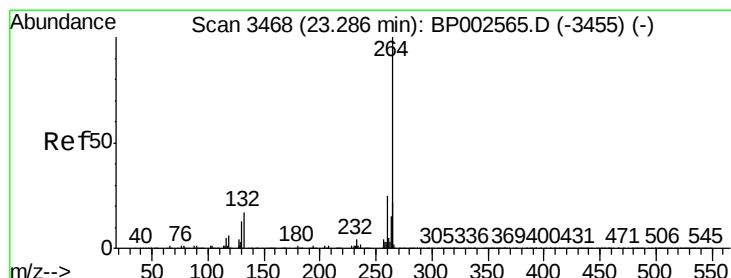
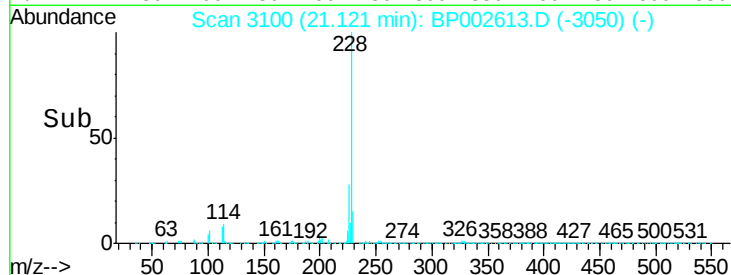
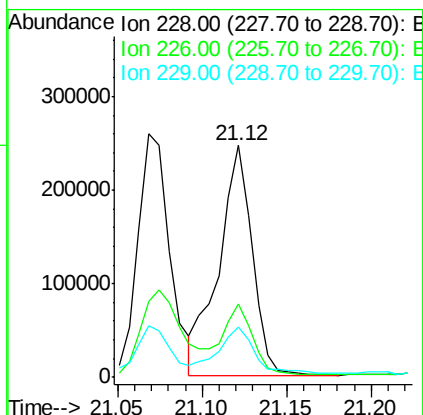
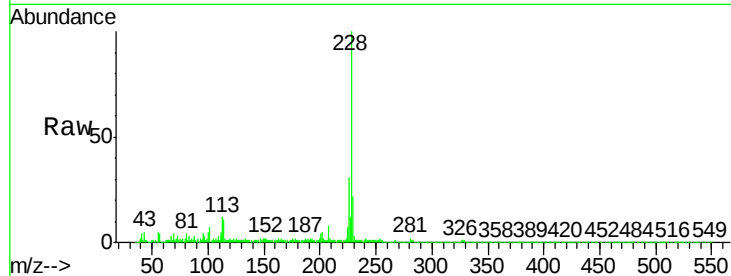




#83
Chrysene
Concen: 5.341 ng
RT: 21.12 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

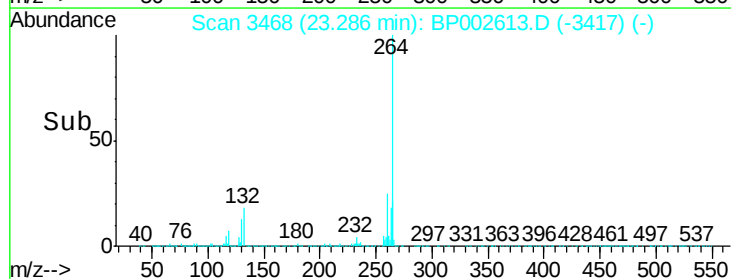
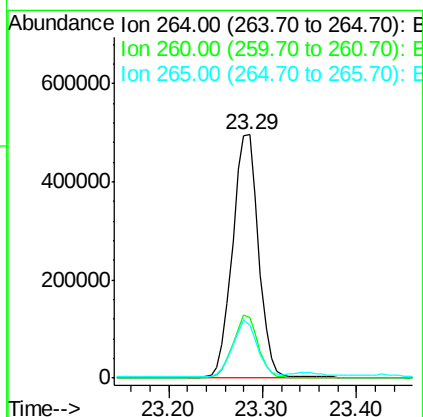
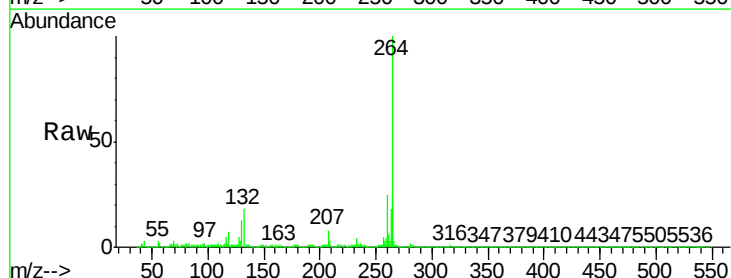
Instrument :
BNA_P
ClientSampleId :
GL-SP

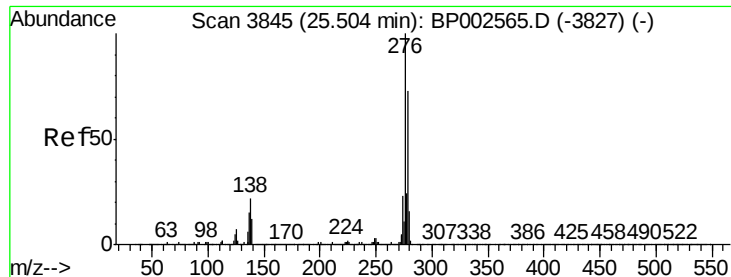
Tot Ion:228 Resp: 339596
Ion Ratio Lower Upper
228 100
226 31.5 24.6 37.0
229 21.7 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion:264 Resp: 949375
Ion Ratio Lower Upper
264 100
260 24.7 19.7 29.5
265 21.7 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.821 ng

RT: 25.49 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

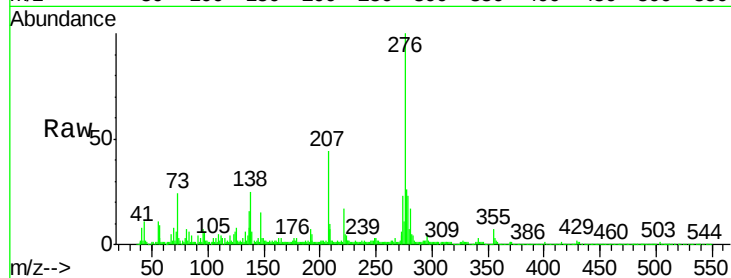
Tot Ion:276 Resp: 261192

Ion Ratio Lower Upper

276 100

138 23.0 18.6 27.8

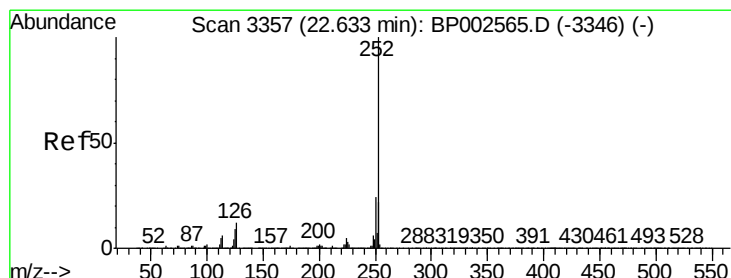
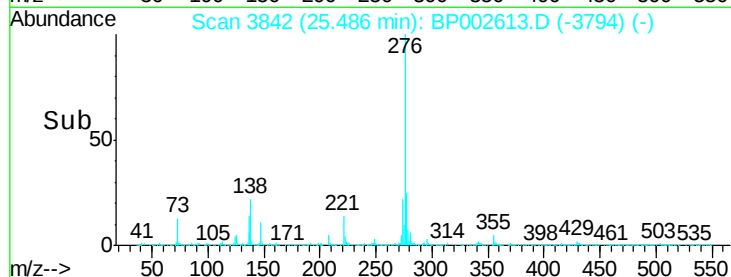
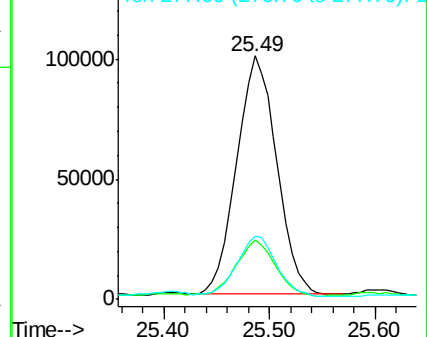
277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 10.123 ng

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

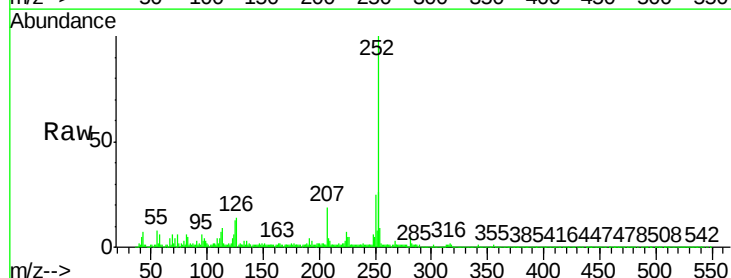
Tgt Ion:252 Resp: 613244

Ion Ratio Lower Upper

252 100

253 26.0 17.7 26.5

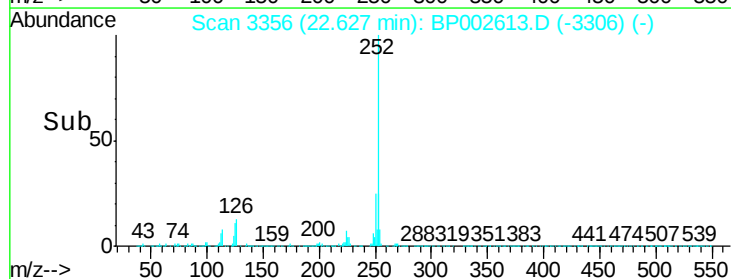
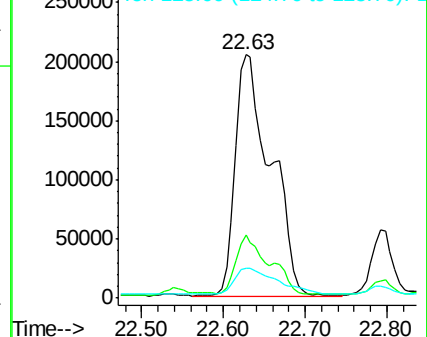
125 12.5 7.4 11.2#

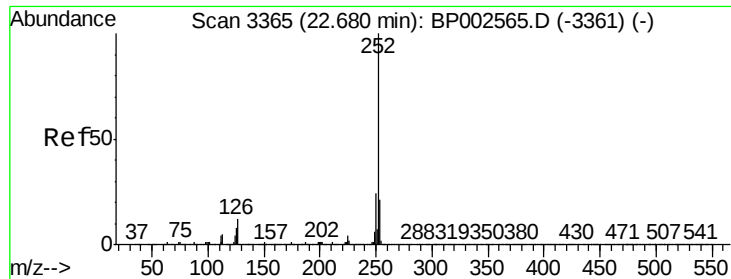


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

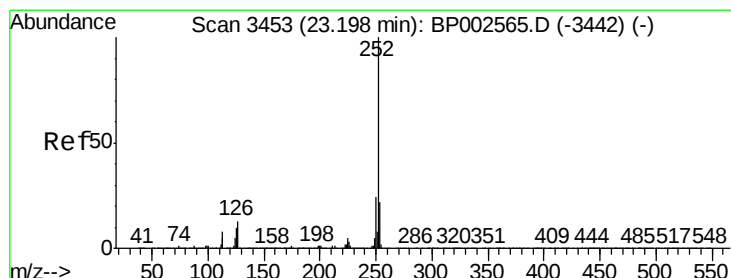
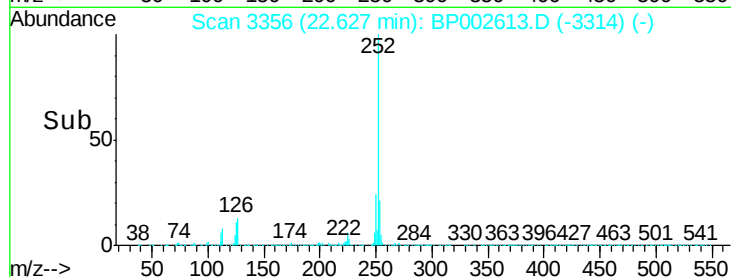
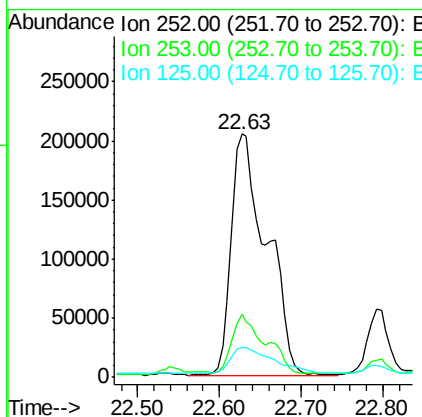
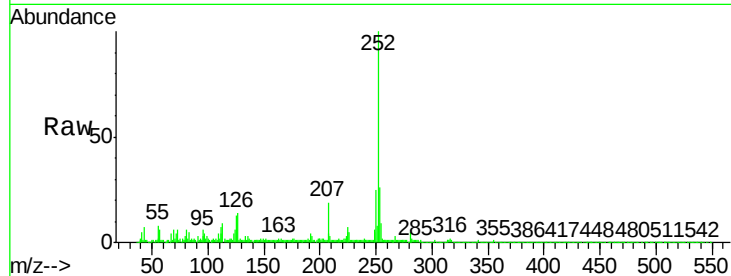




#89
Benzo(k)fluoranthene
Concen: 10.851 ng
RT: 22.63 min Scan# 3356
Delta R.T. -0.05 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

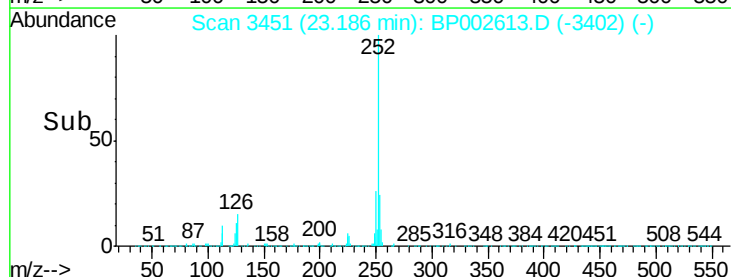
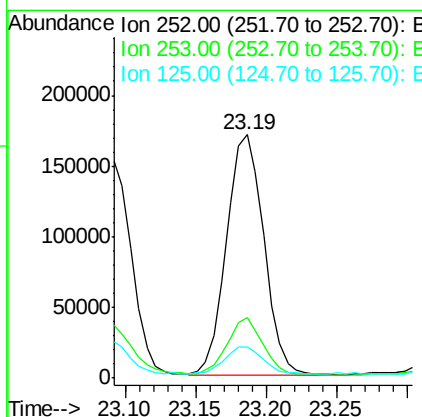
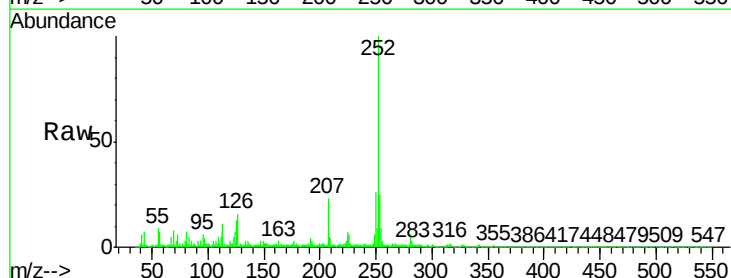
Instrument :
BNA_P
ClientSampleId :
GL-SP

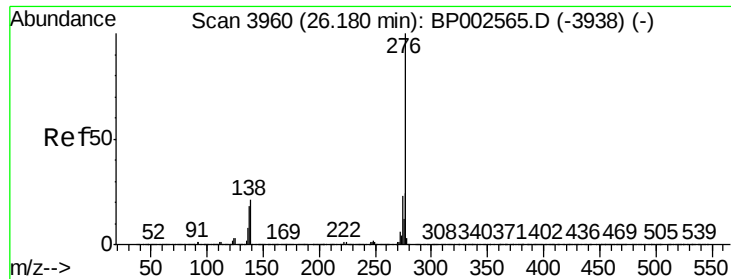
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.0
125	12.5	6.9	10.3#



#90
Benzo(a)pyrene
Concen: 5.670 ng
RT: 23.19 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	12.7	7.8	11.8#





#92

Benzo(a,h,i)perylene

Concen: 4.970 ng

RT: 26.16 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

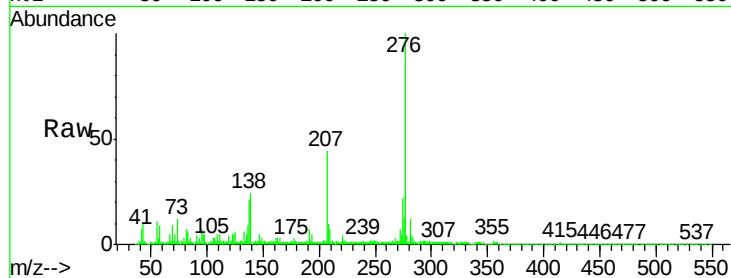
Tot Ion: 276 Resp: 277650

Ion Ratio Lower Upper

276 100

277 24.9 19.3 28.9

138 24.4 16.9 25.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

120000

100000

80000

60000

40000

20000

0

26.16

Time-->

