

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070720\
 Data File : BP002662.D
 Acq On : 07 Jul 2020 17:31
 Operator : CG/JU
 Sample : L3205-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 12013

Quant Time: Jul 08 00:51:58 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	224853	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	859403	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	508465	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	705769	20.00	ng	0.00
76) Chrysene-d12	21.09	240	795836	20.00	ng	0.00
86) Perylene-d12	23.29	264	1150625	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1554452	117.05	ng	0.00
7) Phenol-d6	6.76	99	2099129	113.25	ng	0.00
23) Nitrobenzene-d5	8.72	82	1405641	84.27	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	804956	130.16	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3135831	90.77	ng	0.00
79) Terphenyl-d14	19.57	244	2223183	60.30	ng	0.00

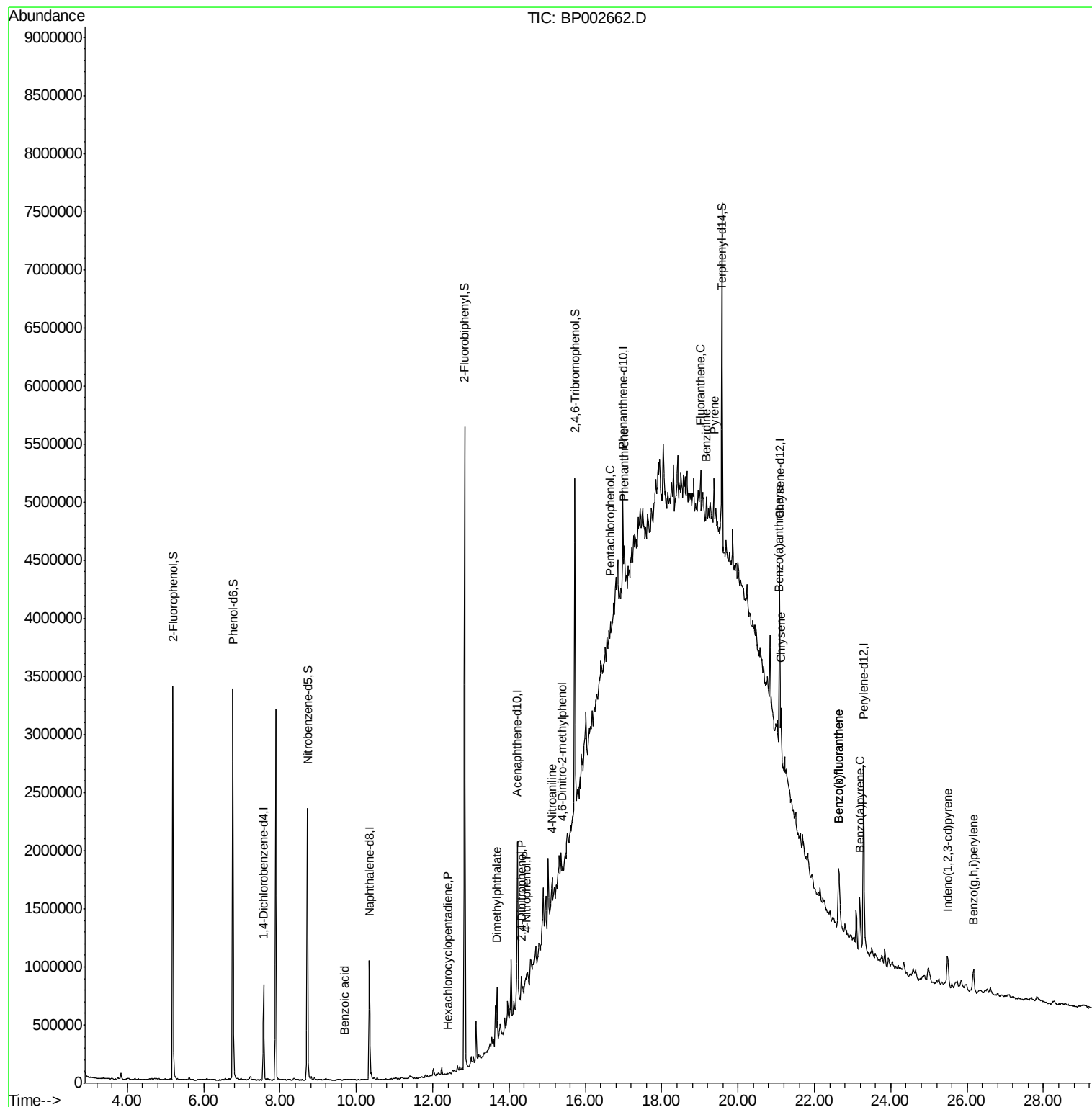
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.70	122	1620	8.838	ng	# 67
41) Hexachlorocyclopentadiene	12.40	237	35	4.386	ng	91
50) Dimethylphthalate	13.68	163	341182	8.543	ng	100
54) 2,4-Dinitrophenol	14.34	184	61	6.019	ng	# 1
56) 4-Nitrophenol	14.44	139	537	2.506	ng	# 1
62) 4-Nitroaniline	15.12	138	22887	2.438	ng	92
65) 4,6-Dinitro-2-methylphenol	15.41	198	1182	2.955	ng	# 1
70) Pentachlorophenol	16.66	266	930	2.847	ng	# 3
71) Phenanthrene	17.02	178	234523	6.176	ng	# 77
75) Fluoranthene	19.02	202	314677	6.846	ng	87
77) Benzidine	19.16	184	5696	3.910	ng	# 1
78) Pyrene	19.37	202	299587	5.530	ng	# 91
81) Benzo(a)anthracene	21.07	228	244542	4.700	ng	# 94
83) Chrysene	21.13	228	256526	5.142	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.49	276	243404	2.938	ng	96
88) Benzo(b)fluoranthene	22.63	252	587935	8.008	ng	# 93
89) Benzo(k)fluoranthene	22.63	252	587935	8.584	ng	# 92
90) Benzo(a)pyrene	23.19	252	311023	4.616	ng	# 95
92) Benzo(a,h,i)perylene	26.16	276	255228	3.770	ng	100

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

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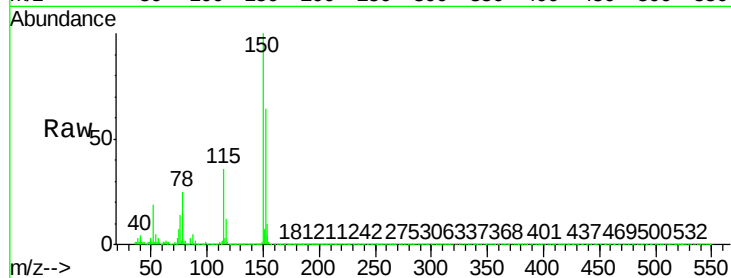


#1

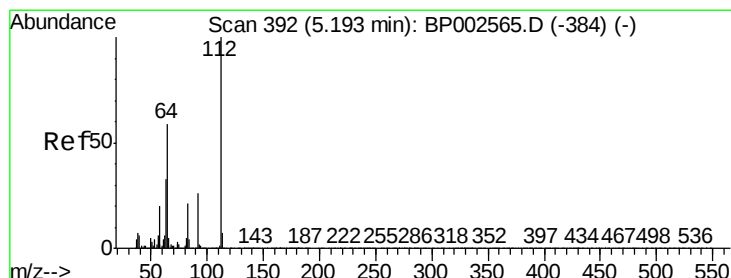
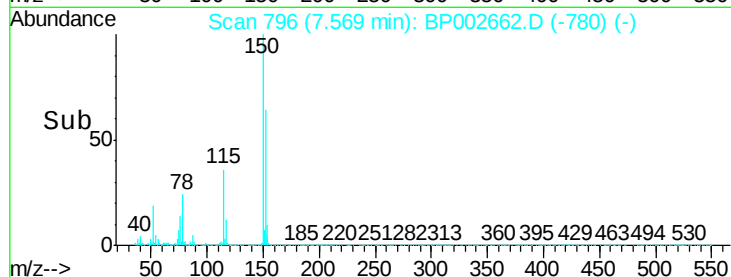
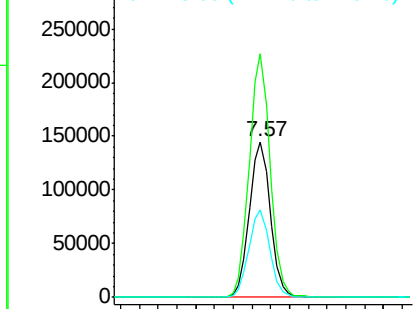
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002662.D
Acq: 07 Jul 2020 17:31

Instrument :
BNA_P
ClientSampleId :
12013

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.2	186.2
115	56.0	47.1	70.7



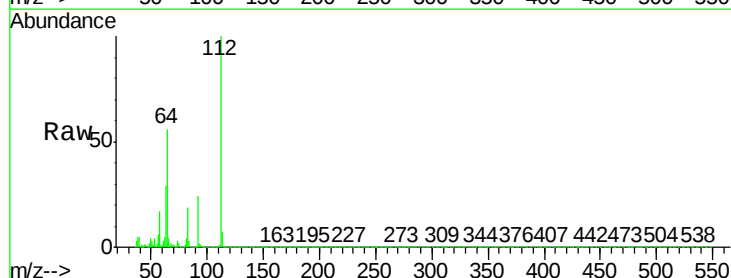
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



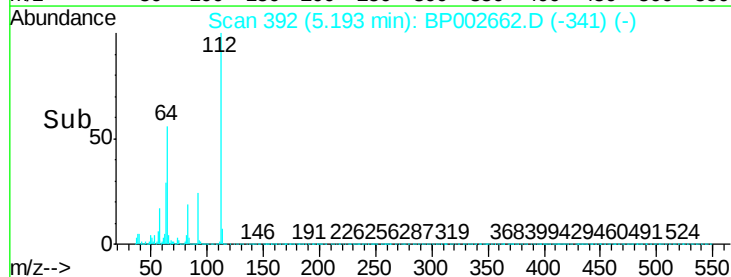
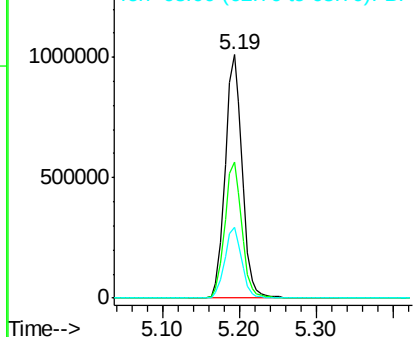
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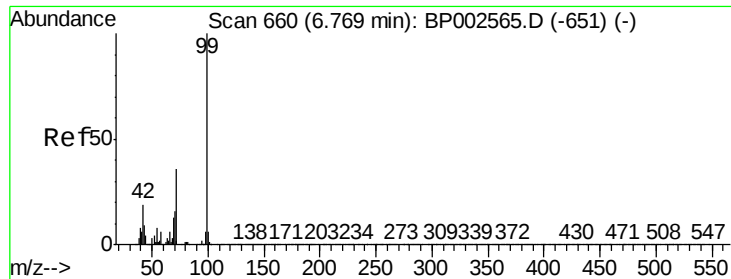
2-Fluorophenol
Concen: 117.048 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002662.D
Acq: 07 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.0	70.6
63	29.1	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: 113.246 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

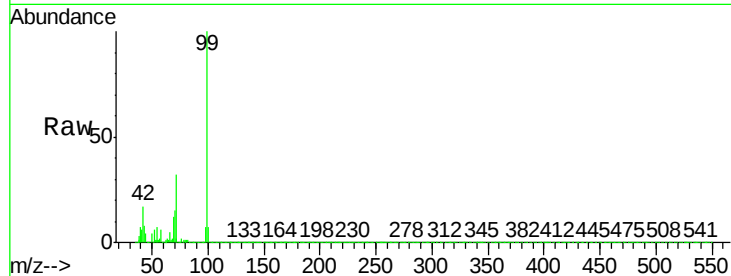
BNA_P

ClientSampleId :

12013

Tot Ion: 99 Resp: 2099129

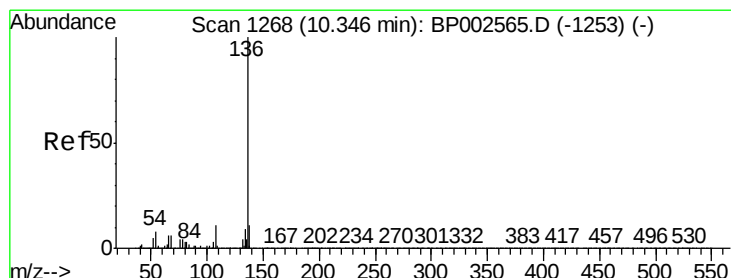
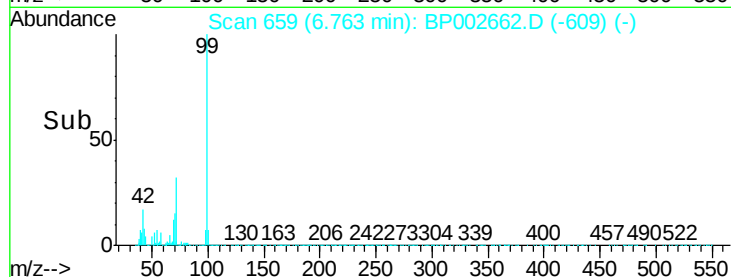
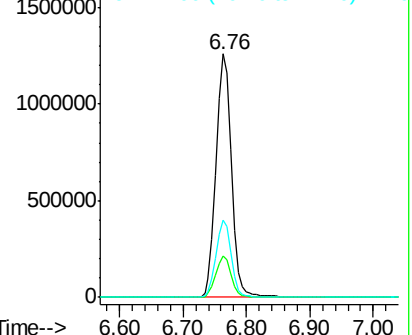
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.5	23.3
71	31.7	28.9	43.3



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

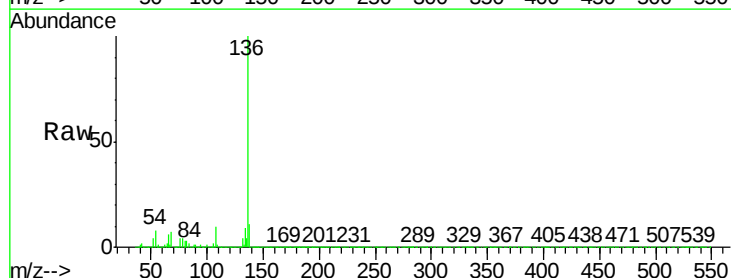
Delta R.T. -0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Tgt Ion: 136 Resp: 859403

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.9	6.4	9.6
68	6.7	5.1	7.7

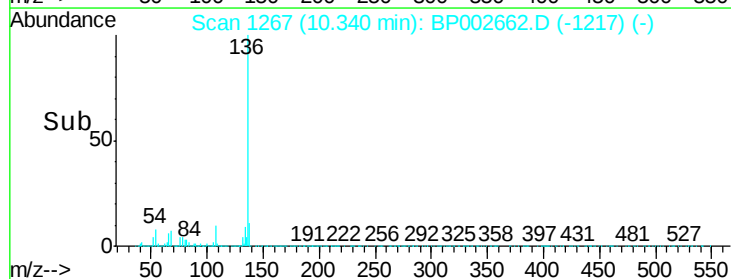
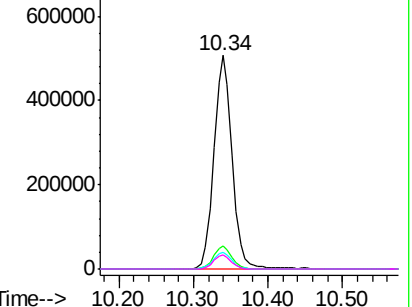


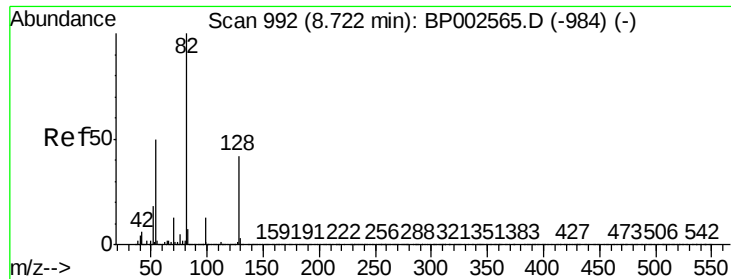
Abundance Ion 136.00 (135.70 to 136.70): E

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

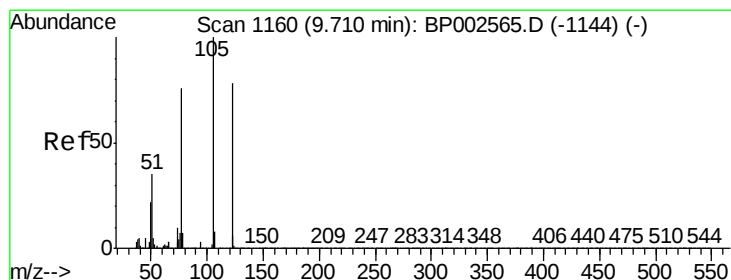
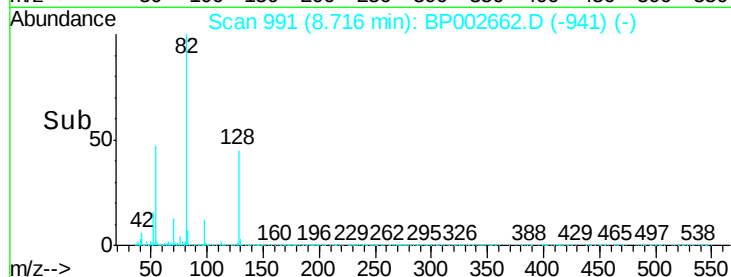
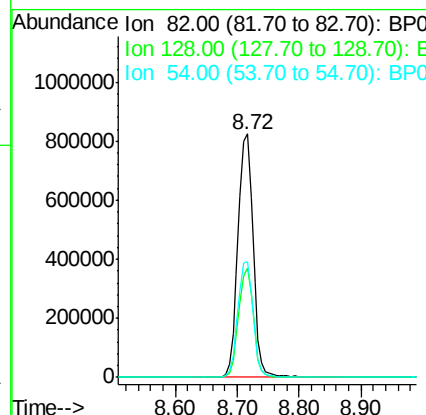
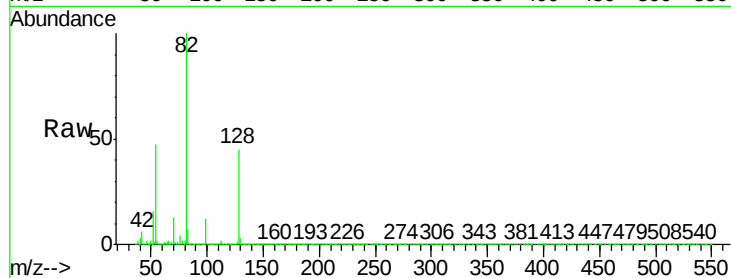




#23
 Nitrobenzene-d5
 Concen: 84.275 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

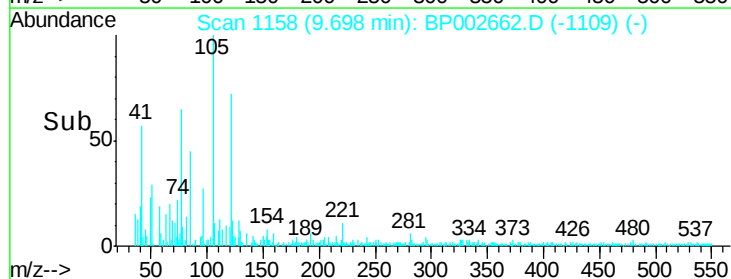
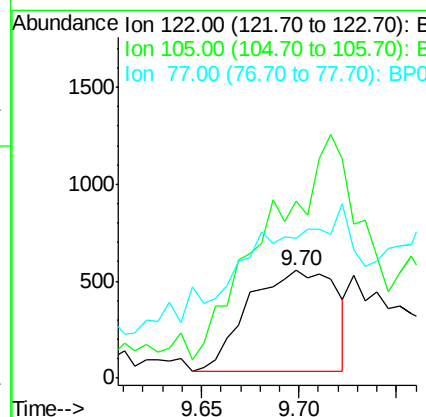
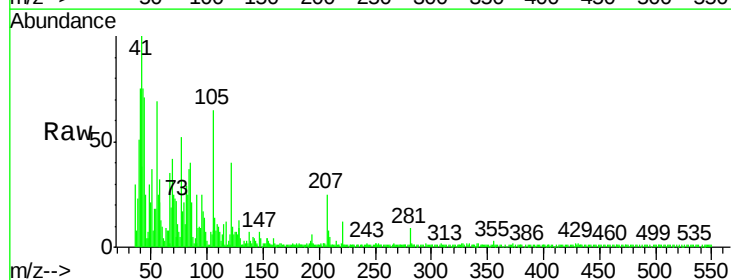
Instrument :
 BNA_P
 ClientSampleId :
 12013

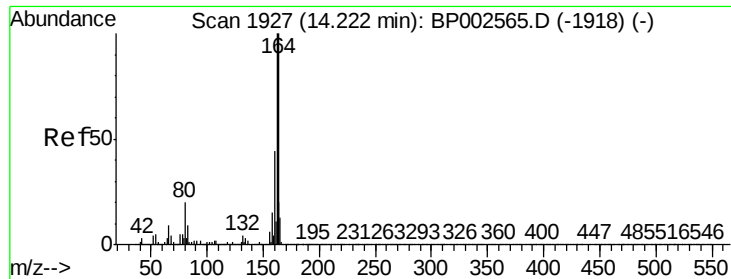
Tot Ion: 82 Resp: 1405641
 Ion Ratio Lower Upper
 82 100
 128 44.7 33.4 50.2
 54 47.2 40.1 60.1



#32
 Benzoic acid
 Concen: 8.838 ng
 RT: 9.70 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

Tgt Ion: 122 Resp: 1620
 Ion Ratio Lower Upper
 122 100
 105 163.7 106.6 146.6#
 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: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

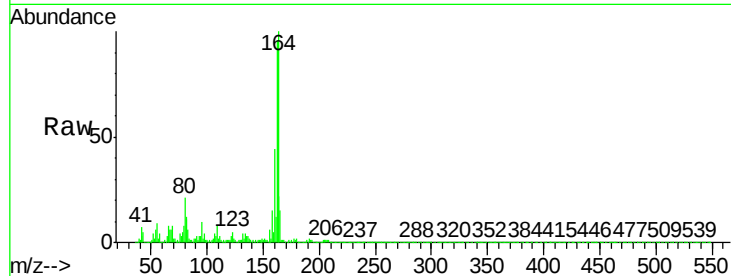
Tot Ion:164 Resp: 508465

Ion Ratio Lower Upper

164 100

162 96.4 80.3 120.5

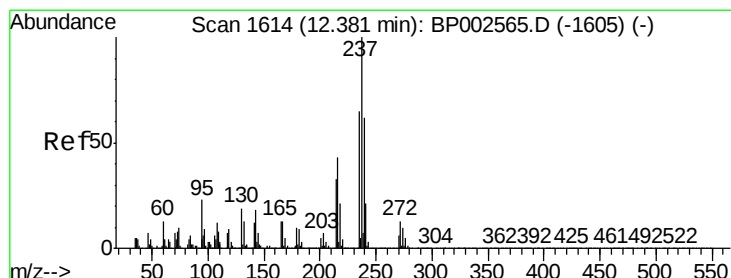
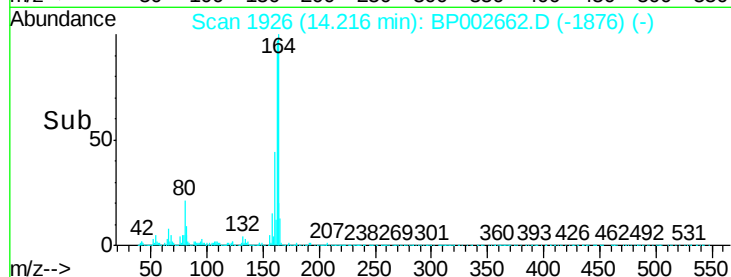
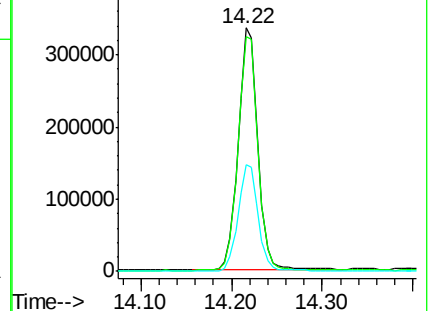
160 43.8 35.0 52.6



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: 4.386 ng

RT: 12.40 min Scan# 1617

Delta R.T. 0.02 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

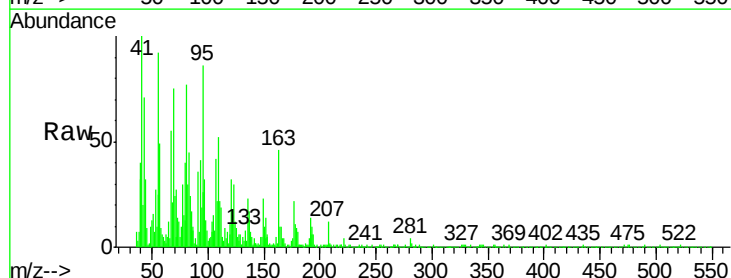
Tgt Ion:237 Resp: 35

Ion Ratio Lower Upper

237 100

235 70.6 45.4 85.4

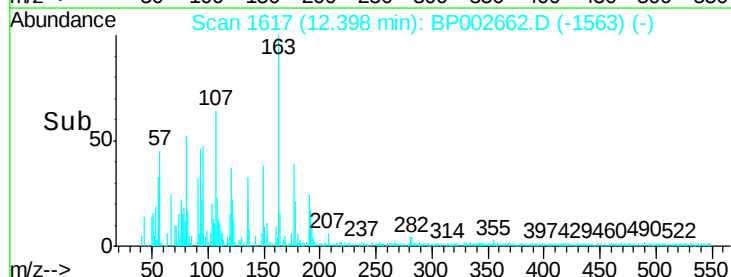
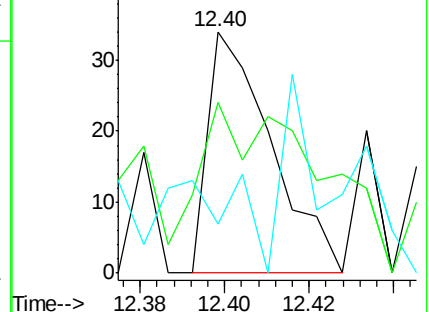
272 20.6 0.0 32.6

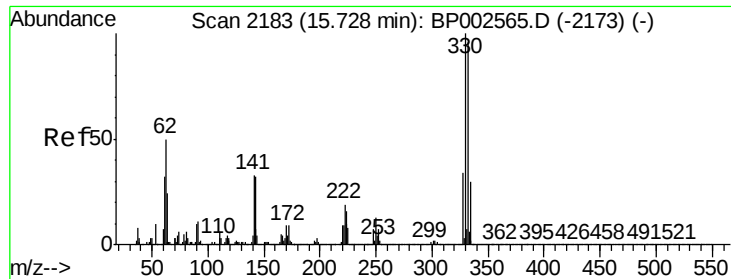


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

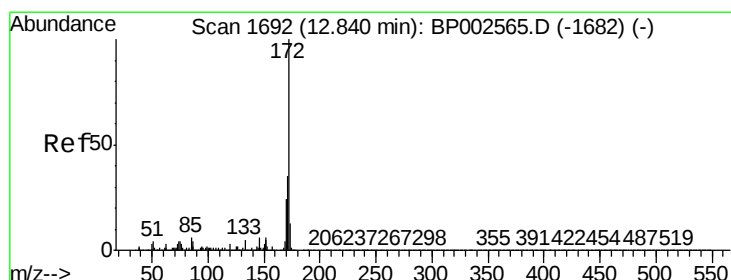
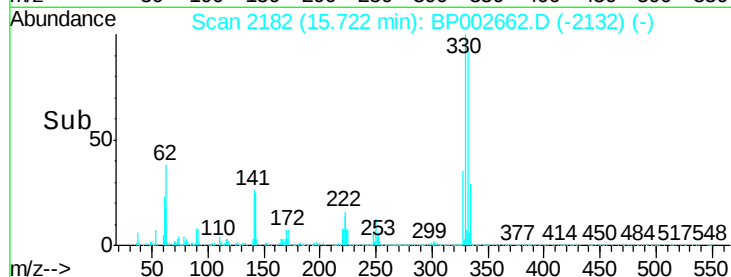
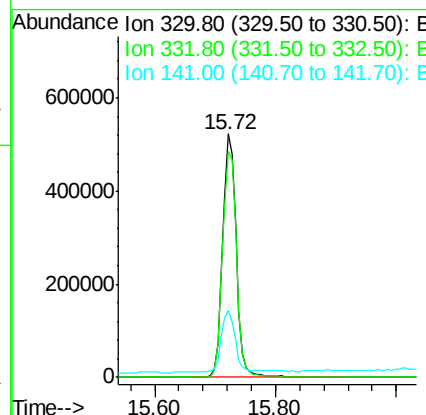
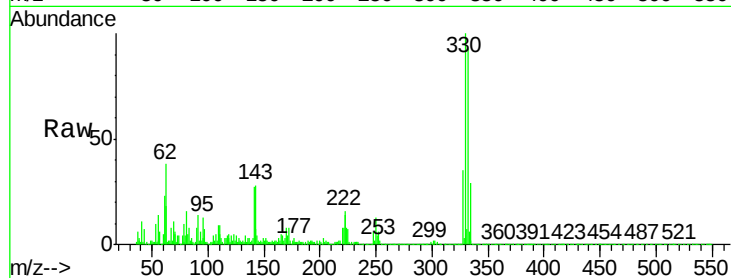




#42
 2,4,6-Tribromophenol
 Concen: 130.160 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

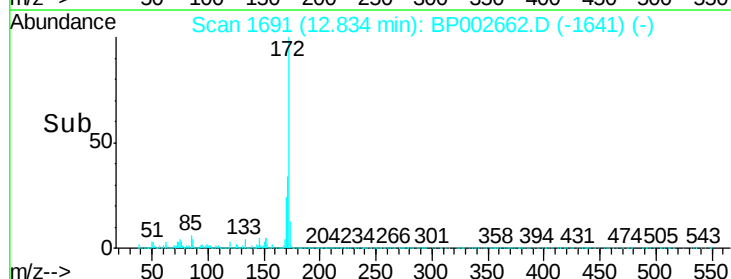
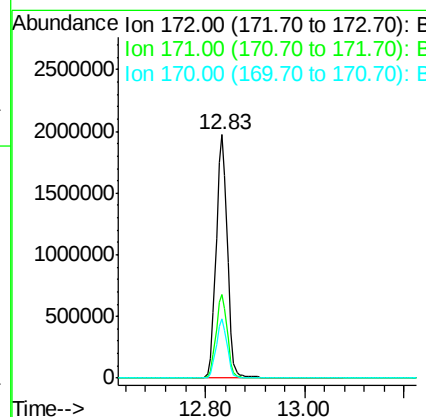
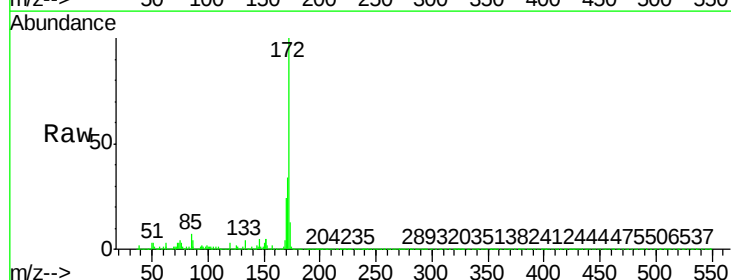
Instrument :
 BNA_P
 ClientSampleId :
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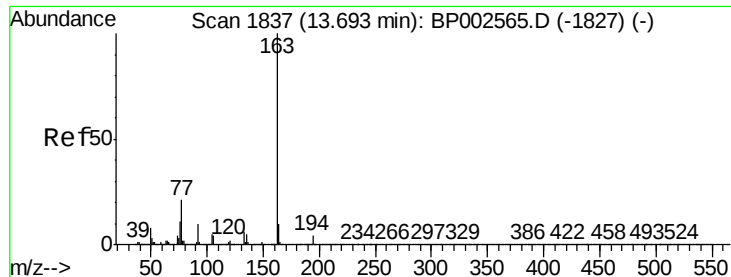
Tot Ion:330 Resp: 804956
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.7 116.5
 141 25.1 29.0 43.6#



#45
 2-Fluorobiphenyl
 Concen: 90.772 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

Tgt Ion:172 Resp: 3135831
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.0 42.0
 170 24.4 19.0 28.4





#50

Dimethylphthalate

Concen: 8.543 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

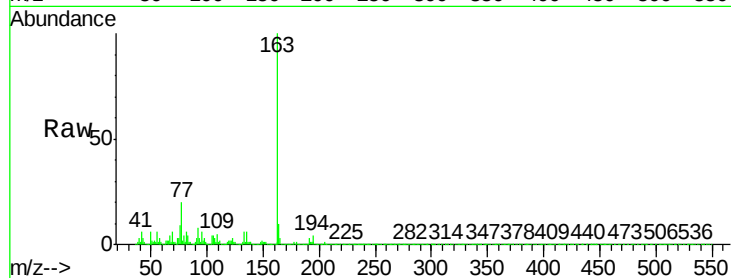
Tot Ion:163 Resp: 341182

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

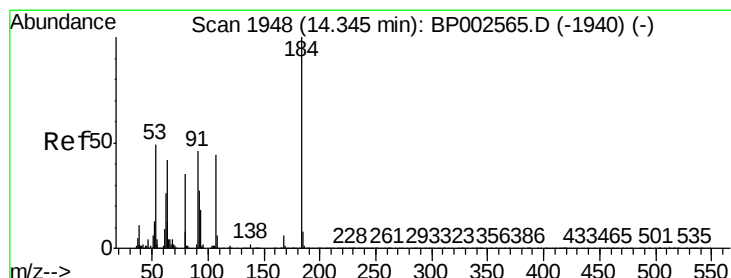
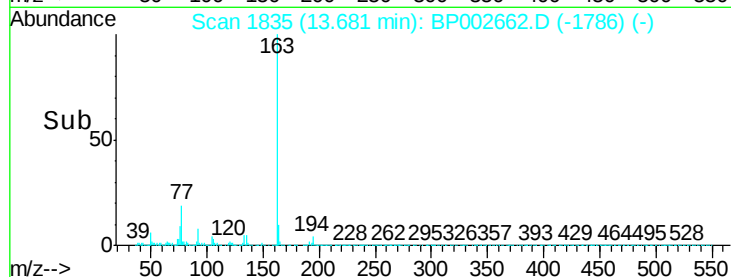
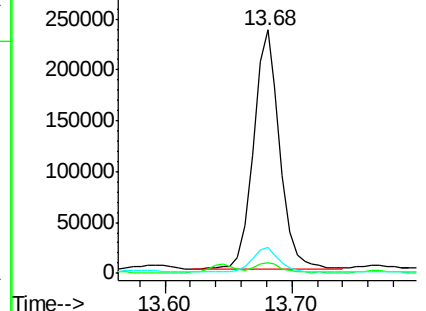
164 10.5 8.2 12.4



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: 6.019 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

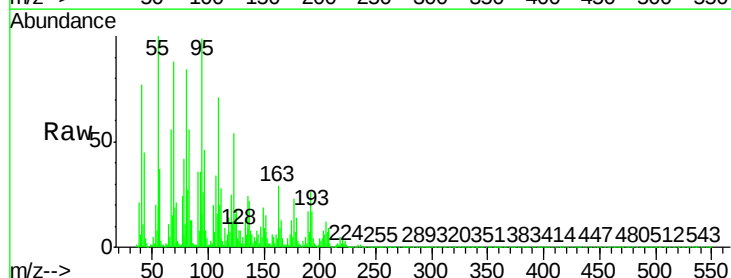
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 678.6 56.2 84.2#

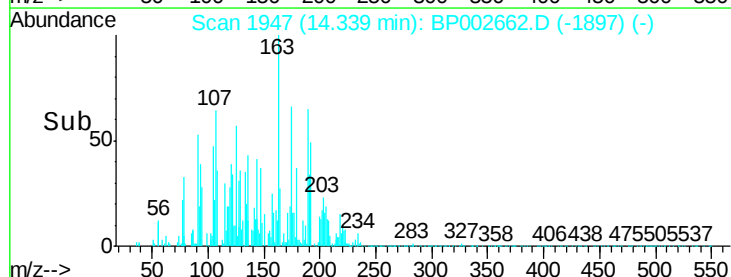
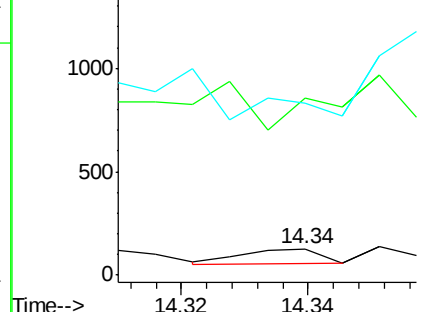
154 661.9 50.9 76.3#

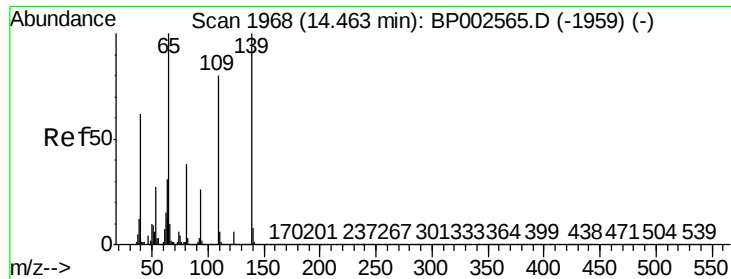


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

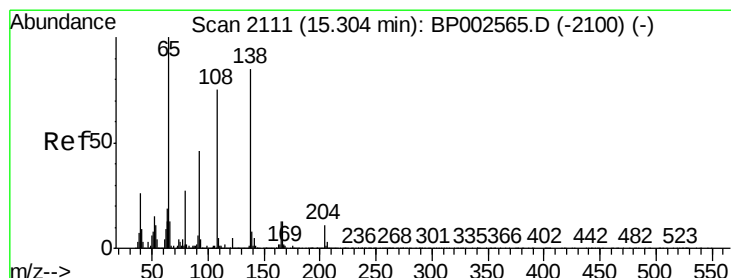
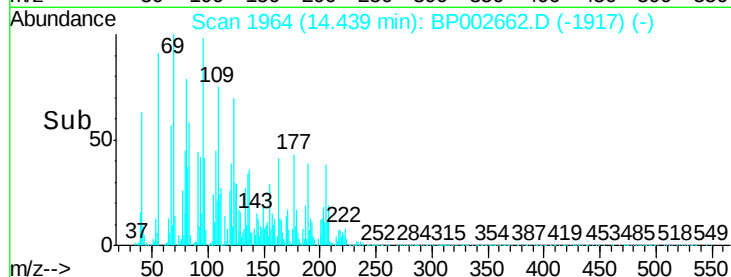
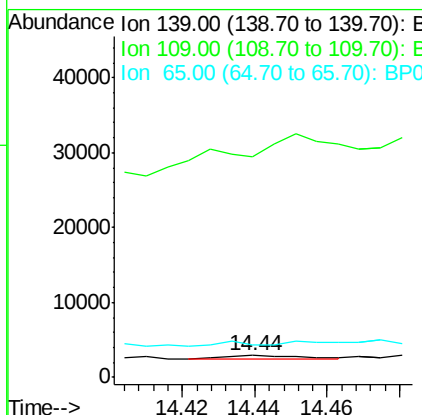
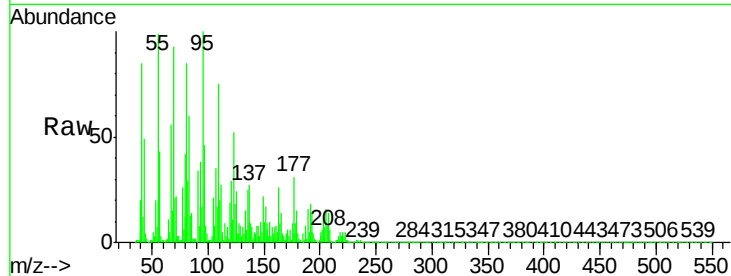




#56
4-Nitrophenol
Concen: 2.506 ng
RT: 14.44 min Scan# 1964
Delta R.T. -0.02 min
Lab File: BP002662.D
Acq: 07 Jul 2020 17:31

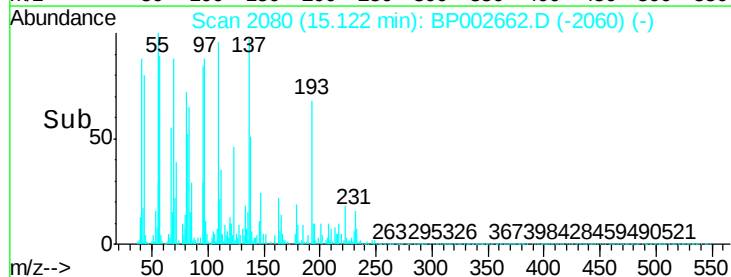
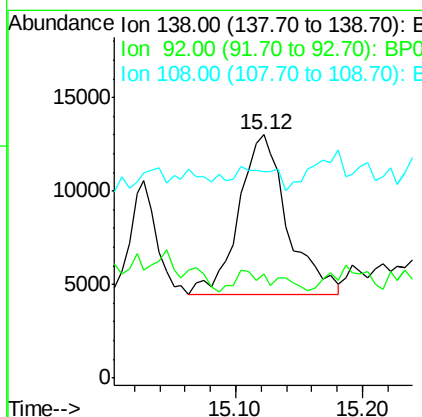
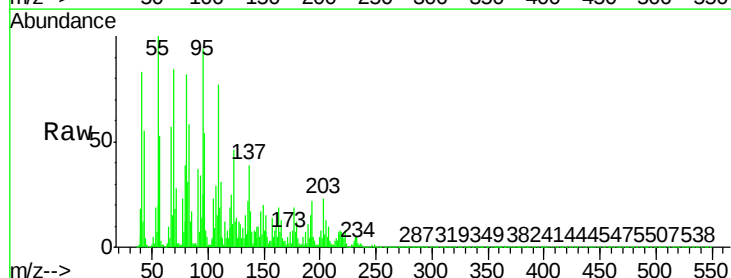
Instrument :
BNA_P
ClientSampleId :
12013

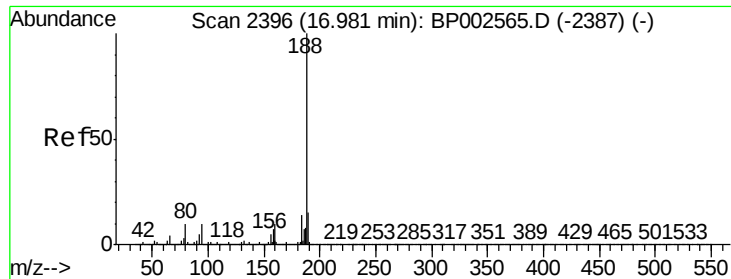
Tot Ion:139 Resp: 537
Ion Ratio Lower Upper
139 100
109 1024.1 60.1 100.1#
65 152.4 80.3 120.3#



#62
4-Nitroaniline
Concen: 2.438 ng
RT: 15.12 min Scan# 2080
Delta R.T. -0.18 min
Lab File: BP002662.D
Acq: 07 Jul 2020 17:31

Tgt Ion:138 Resp: 22887
Ion Ratio Lower Upper
138 100
92 42.5 33.9 73.9
108 85.0 67.8 107.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.98 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

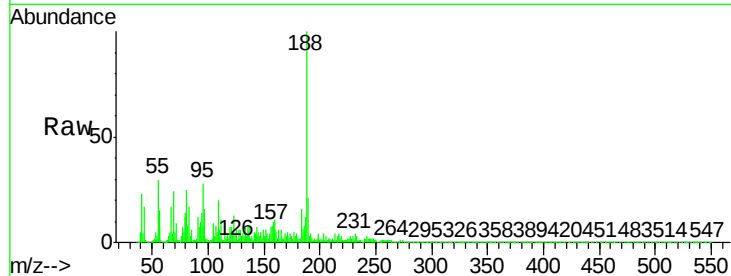
Tot Ion:188 Resp: 705769

Ion Ratio Lower Upper

188 100

94 14.4 7.8 11.6#

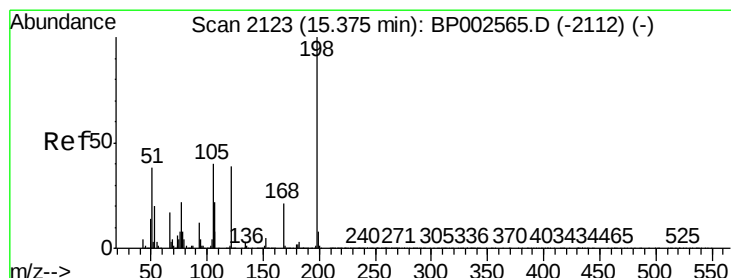
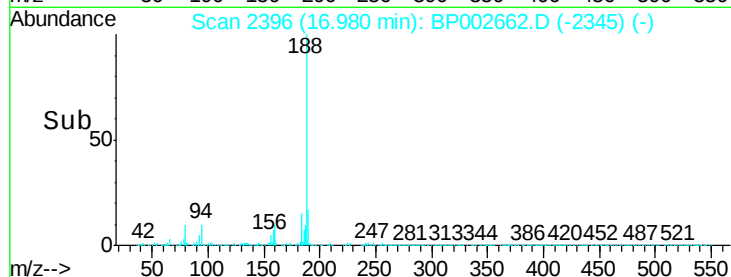
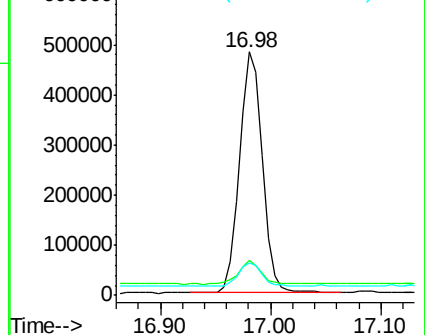
80 13.5 8.2 12.4#



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: 2.955 ng

RT: 15.41 min Scan# 2129

Delta R.T. 0.04 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

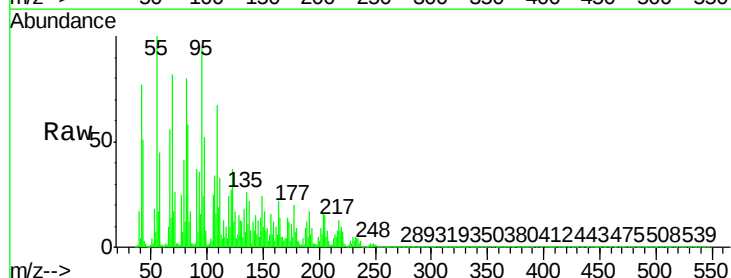
Tgt Ion:198 Resp: 1182

Ion Ratio Lower Upper

198 100

51 365.3 24.2 64.2#

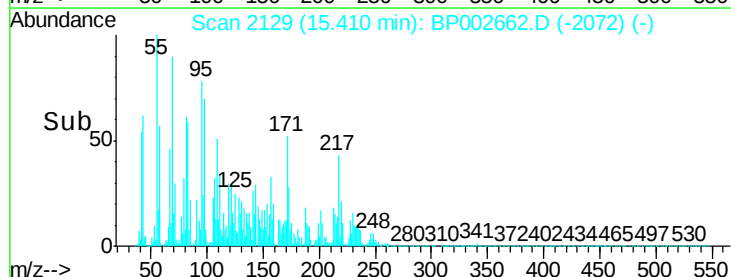
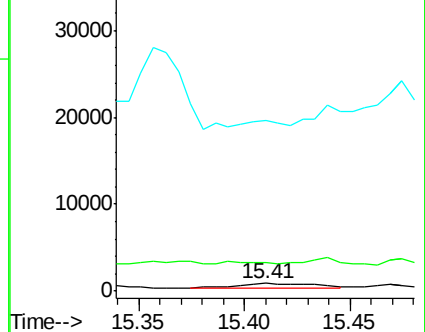
105 2145.9 20.7 60.7#

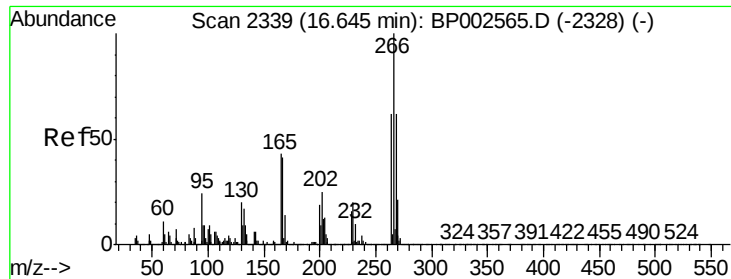


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

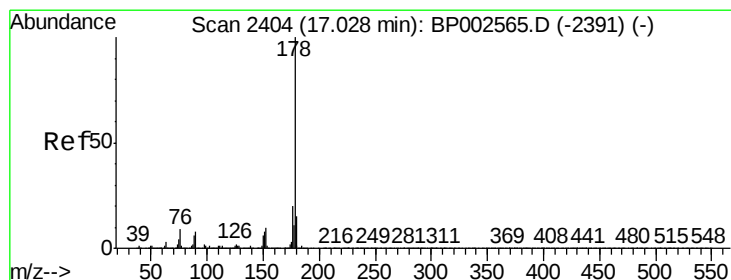
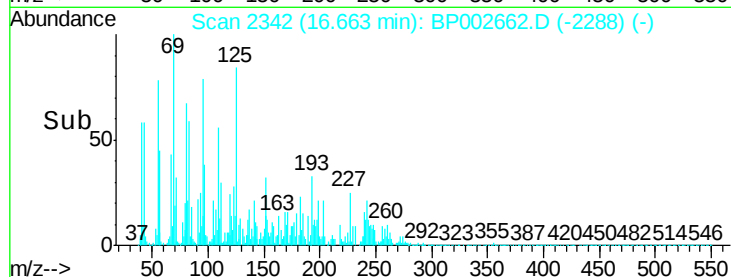
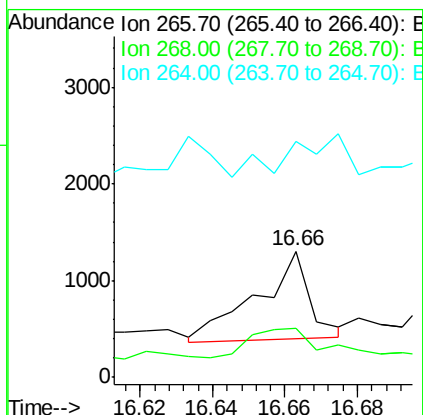
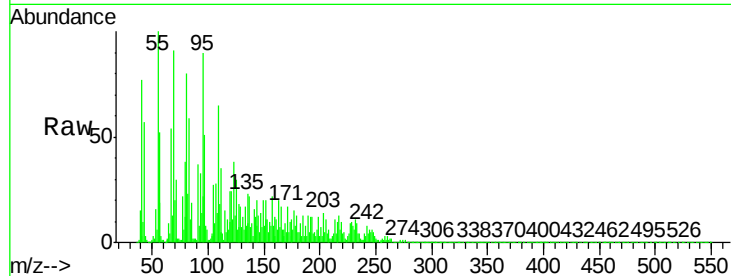




#70
 Pentachlorophenol
 Concen: 2.847 ng
 RT: 16.66 min Scan# 2342
 Delta R.T. 0.02 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

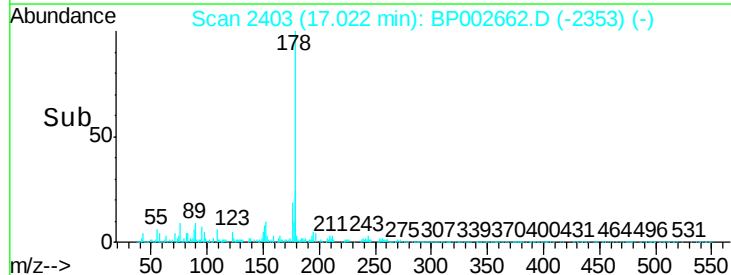
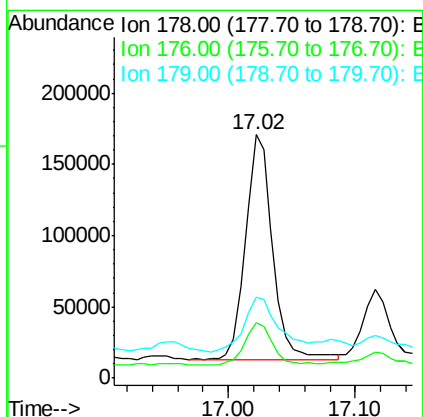
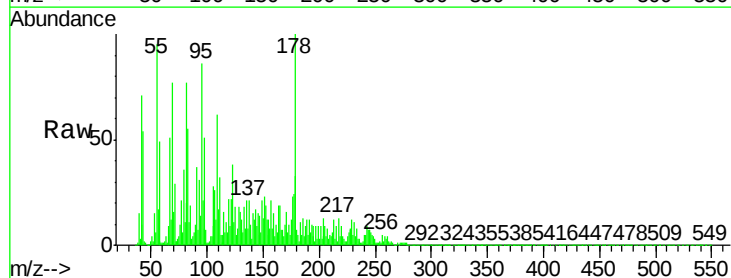
Instrument :
 BNA_P
 ClientSampleId :
 12013

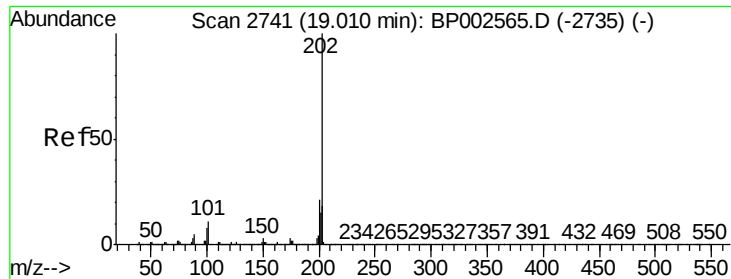
Tot Ion	Ratio	Lower	Upper
266	100		
268	38.9	49.7	74.5#
264	187.0	49.3	73.9#



#71
 Phenanthrene
 Concen: 6.176 ng
 RT: 17.02 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.9	15.6	23.4
179	33.1	12.1	18.1#





#75

Fluoranthene

Concen: 6.846 ng

RT: 19.02 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

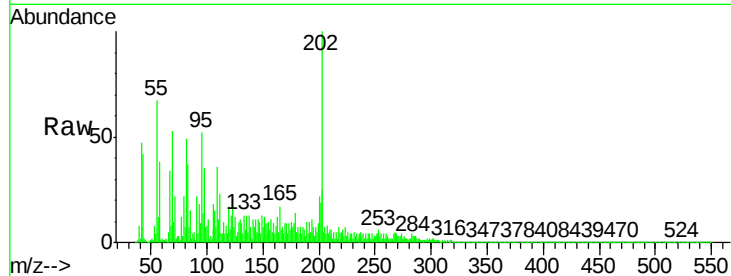
Tot Ion:202 Resp: 314677

Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.6

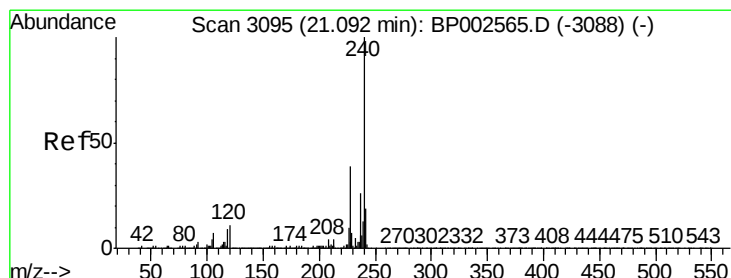
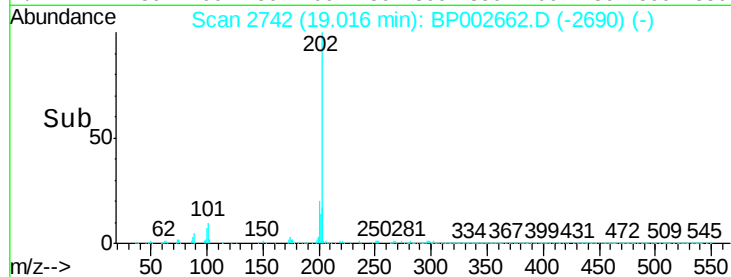
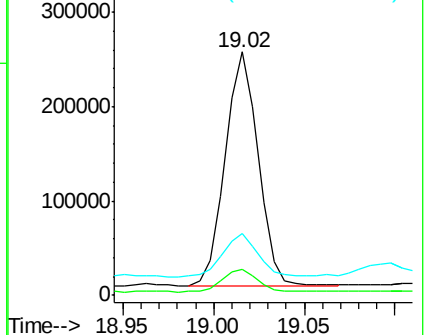
203 25.4 0.0 37.7



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# 3095

Delta R.T. -0.00 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

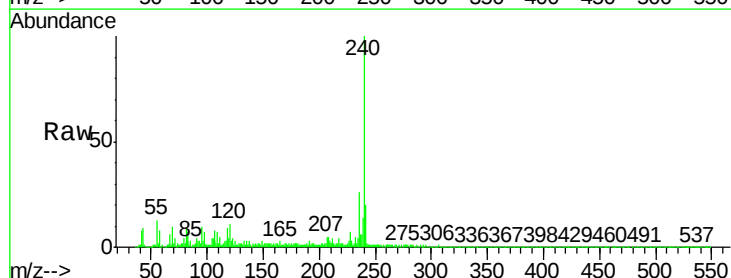
Tgt Ion:240 Resp: 795836

Ion Ratio Lower Upper

240 100

120 10.7 8.6 13.0

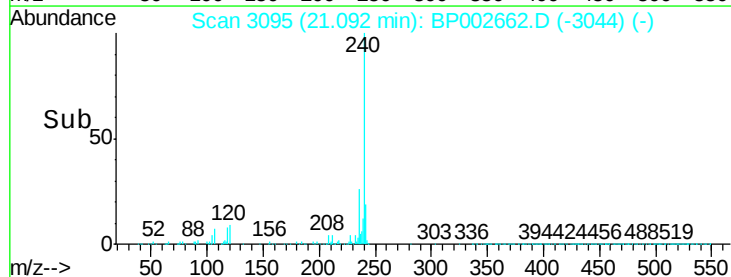
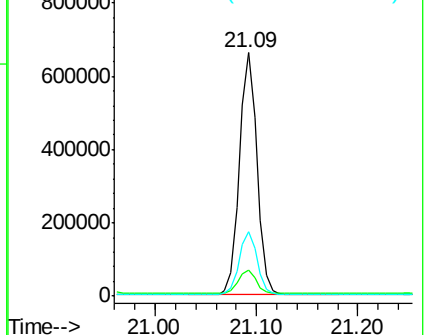
236 26.4 20.8 31.2

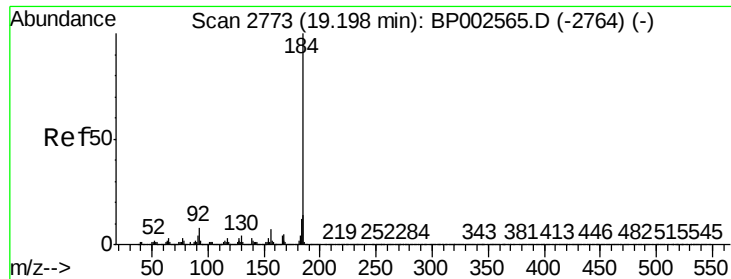


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.910 ng

RT: 19.16 min Scan# 2766

Delta R.T. -0.04 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

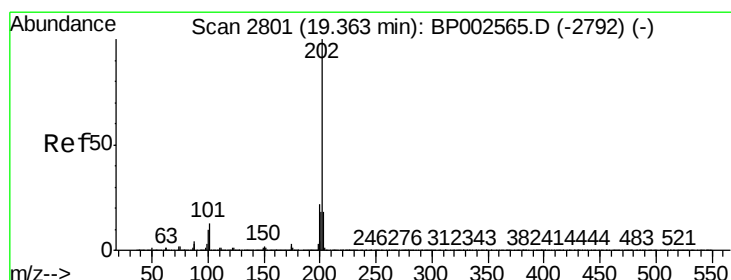
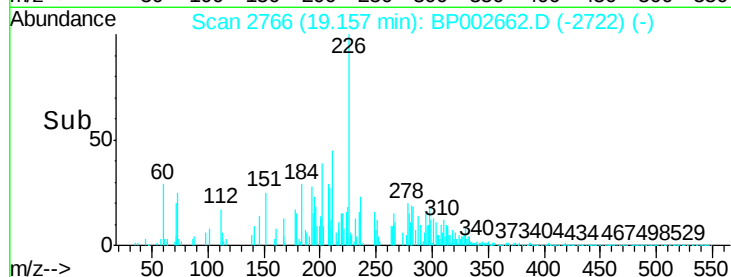
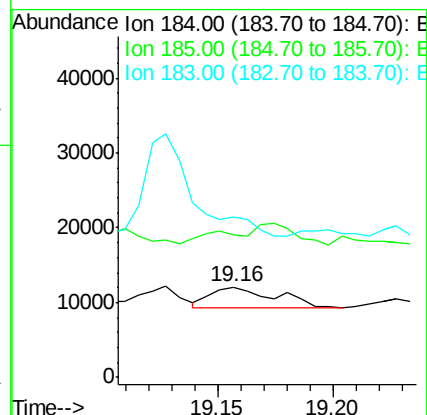
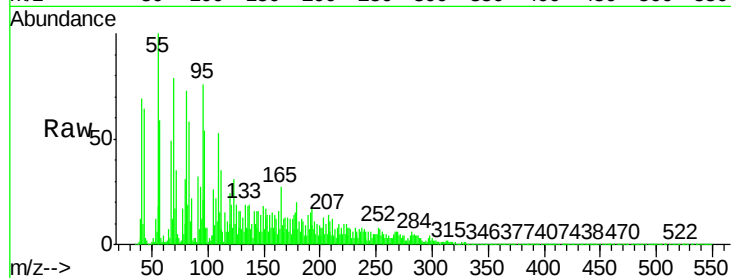
Tot Ion:184 Resp: 5696

Ion Ratio Lower Upper

184 100

185 157.3 11.4 17.2#

183 177.8 9.2 13.8#



#78

Pyrene

Concen: 5.530 ng

RT: 19.37 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

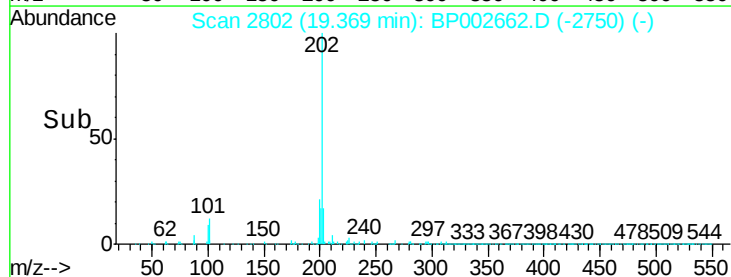
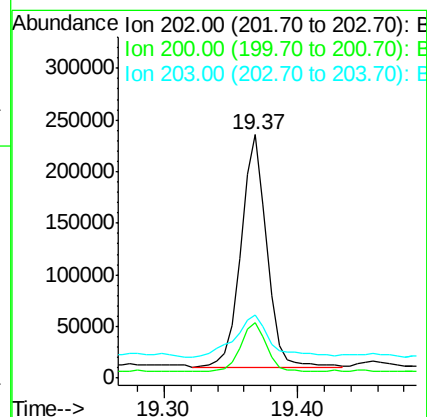
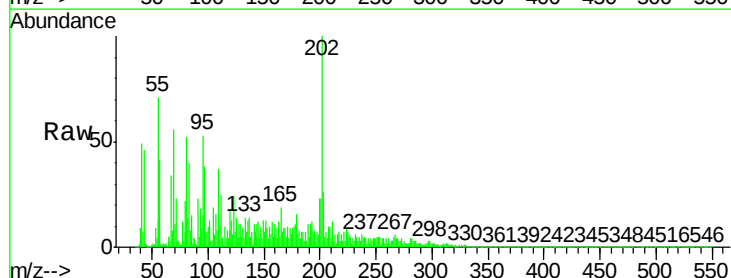
Tgt Ion:202 Resp: 299587

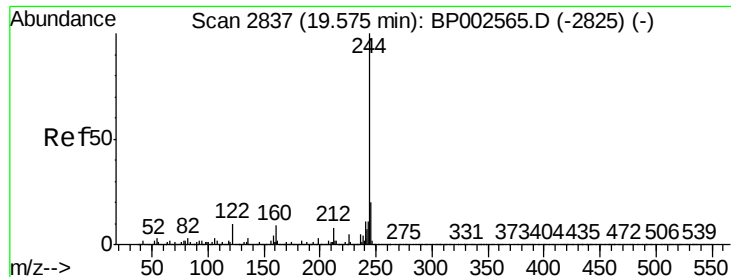
Ion Ratio Lower Upper

202 100

200 22.8 17.6 26.4

203 25.7 14.4 21.6#





#79

Terphenyl-d14

Concen: 60.298 ng

RT: 19.57 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

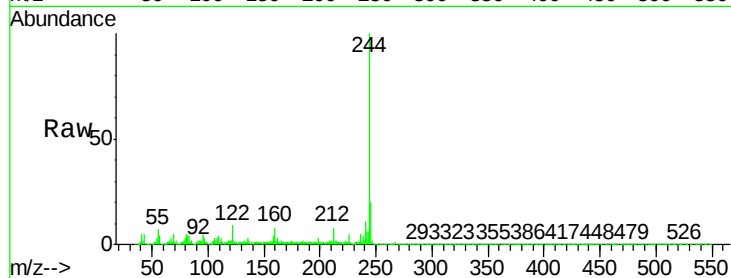
Tot Ion:244 Resp: 2223183

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

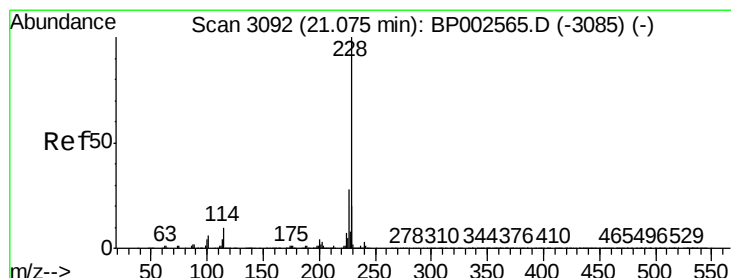
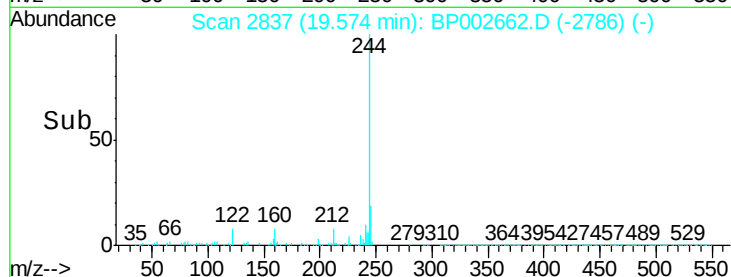
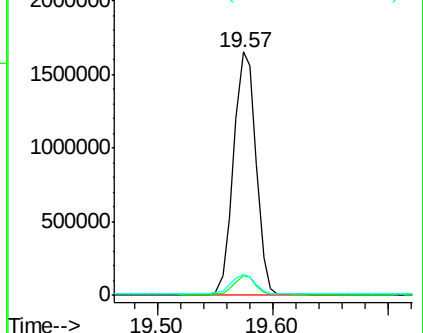
122 8.8 7.9 11.9



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



#81

Benzo(a)anthracene

Concen: 4.700 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

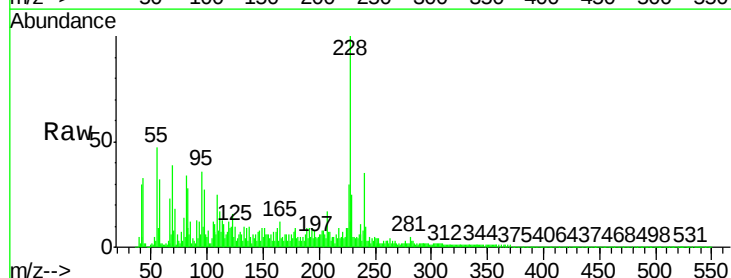
Tgt Ion:228 Resp: 244542

Ion Ratio Lower Upper

228 100

226 30.0 22.5 33.7

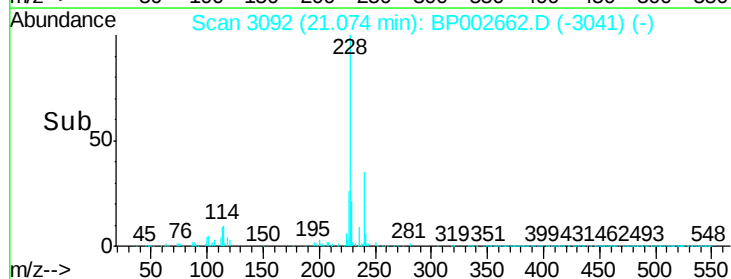
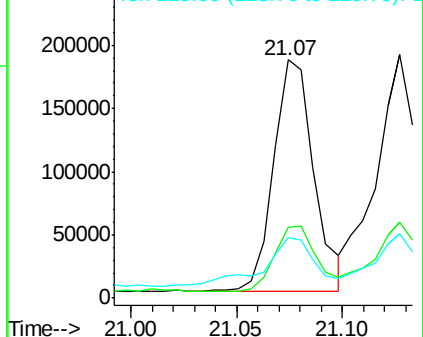
229 25.4 16.4 24.6#

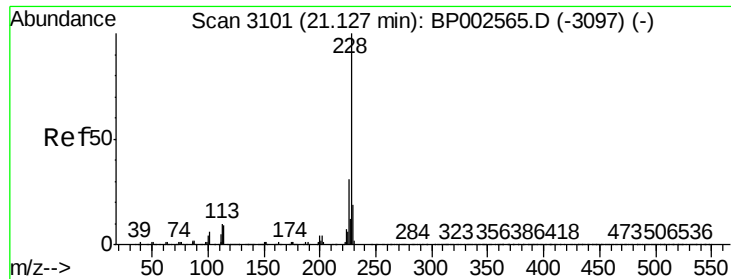


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

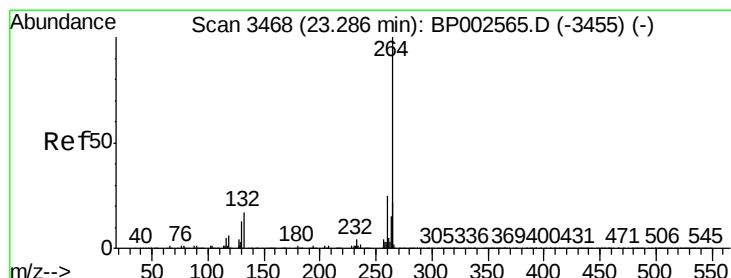
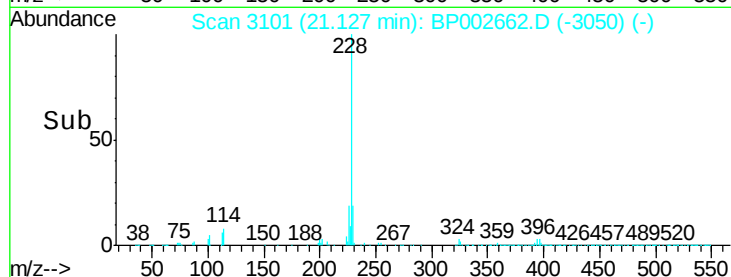
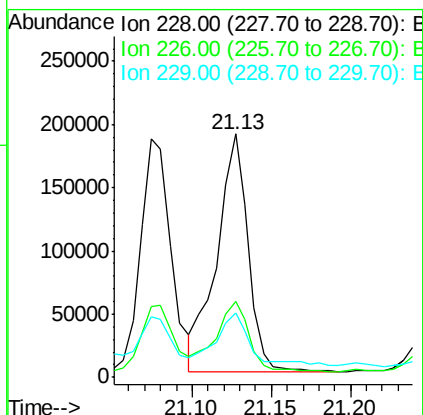
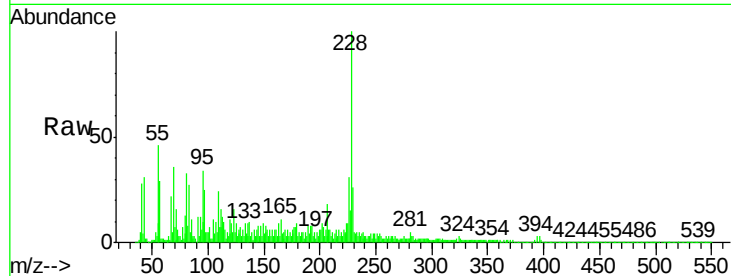




#83
Chrysene
Concen: 5.142 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP002662.D
Acq: 07 Jul 2020 17:31

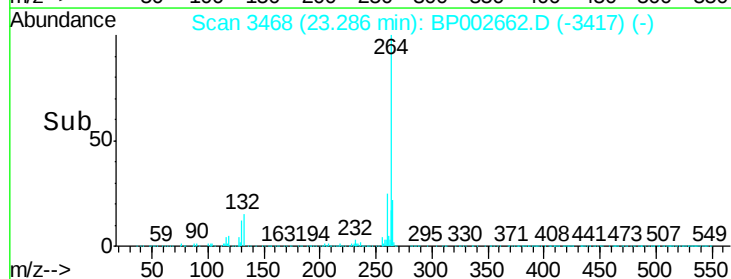
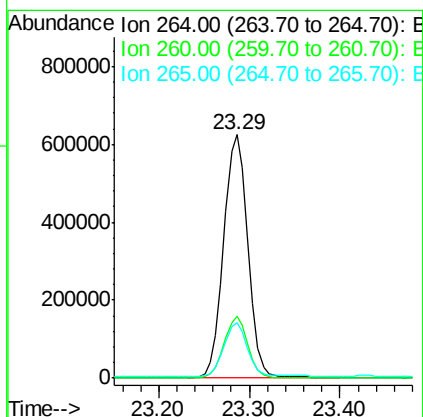
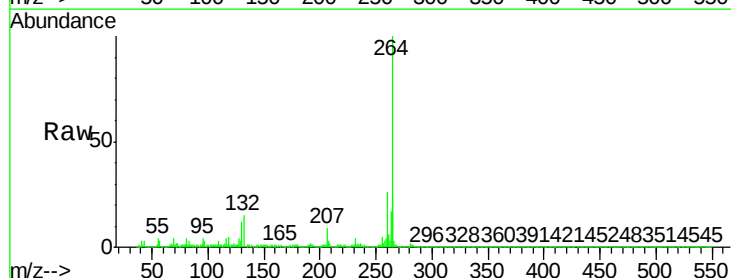
Instrument :
BNA_P
ClientSampleID :
12013

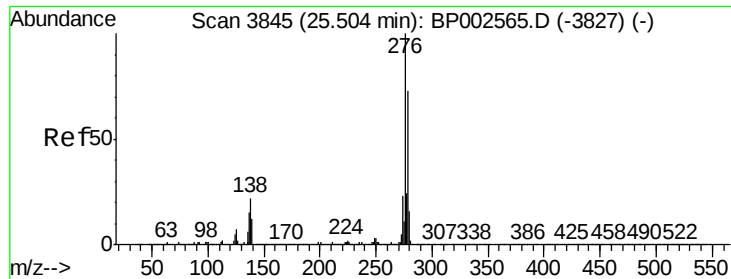
Tot Ion:228 Resp: 256526
Ion Ratio Lower Upper
228 100
226 31.4 24.6 37.0
229 26.3 15.6 23.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002662.D
Acq: 07 Jul 2020 17:31

Tgt Ion:264 Resp: 1150625
Ion Ratio Lower Upper
264 100
260 25.5 19.7 29.5
265 22.7 17.6 26.4

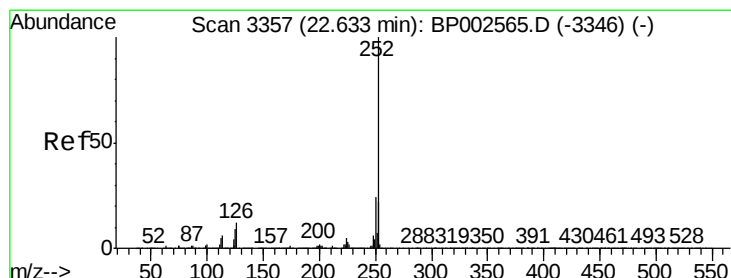
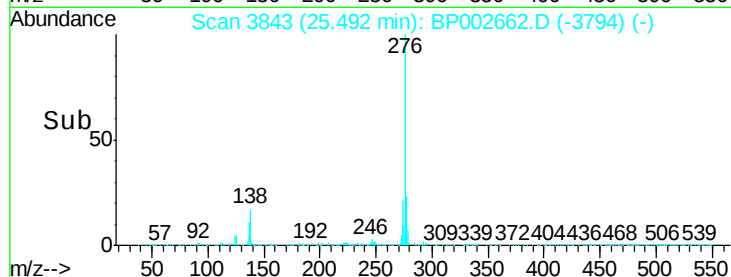
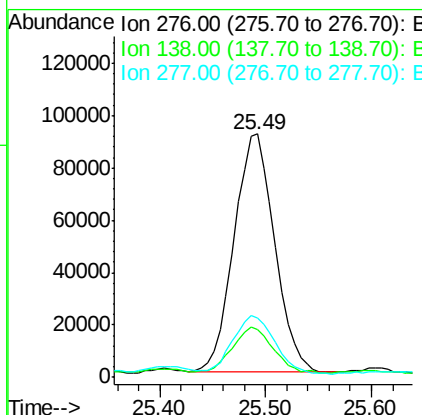
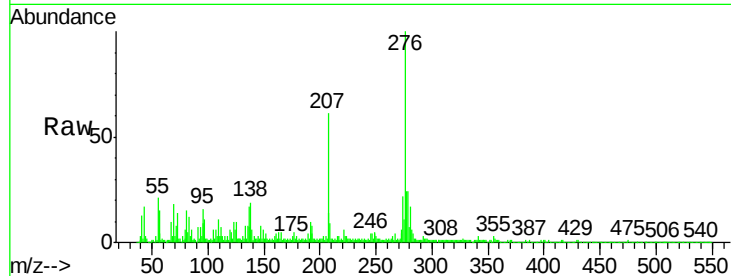




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.938 ng
 RT: 25.49 min Scan# 3843
 Delta R.T. -0.01 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

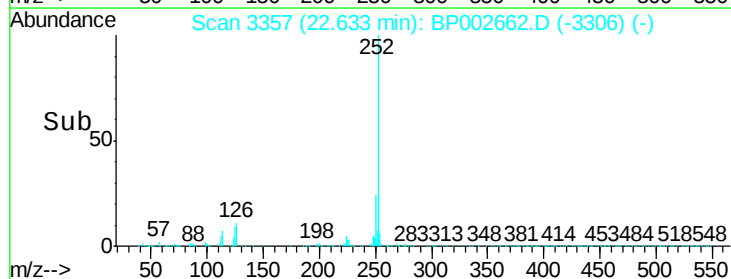
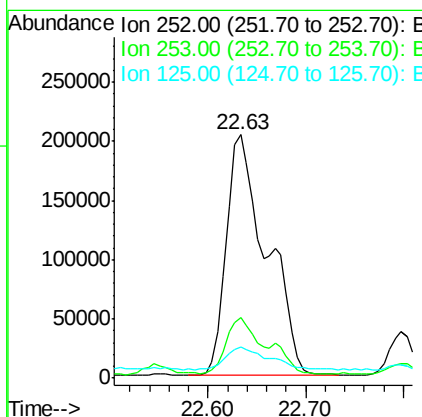
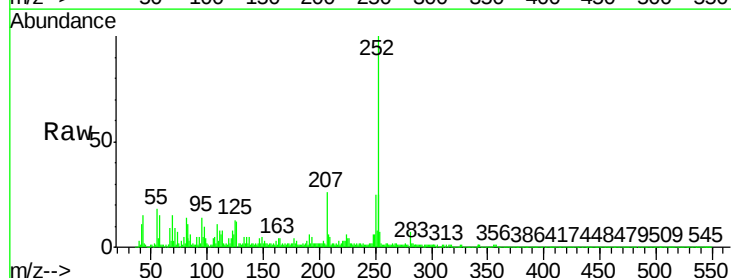
Instrument :
 BNA_P
 ClientSampleId :
 12013

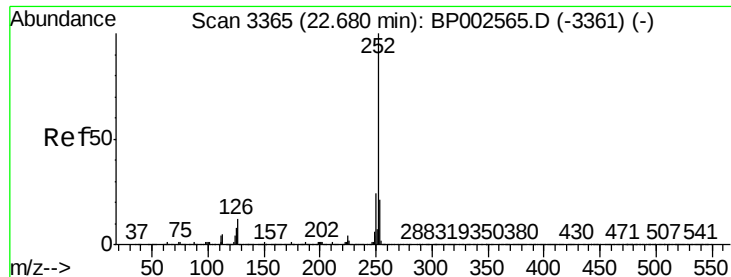
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.6	27.8
277	25.2	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 8.008 ng
 RT: 22.63 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: BP002662.D
 Acq: 07 Jul 2020 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	12.8	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 8.584 ng

RT: 22.63 min Scan# 3357

Delta R.T. -0.05 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampled :

12013

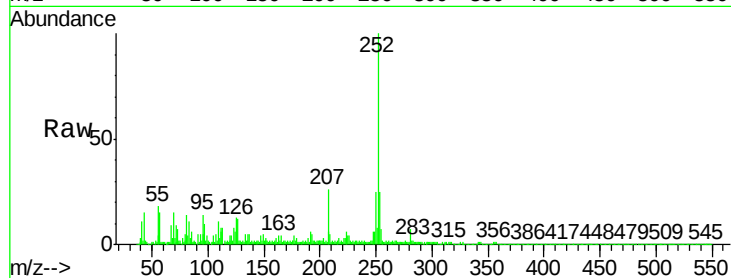
Tot Ion:252 Resp: 587935

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.0

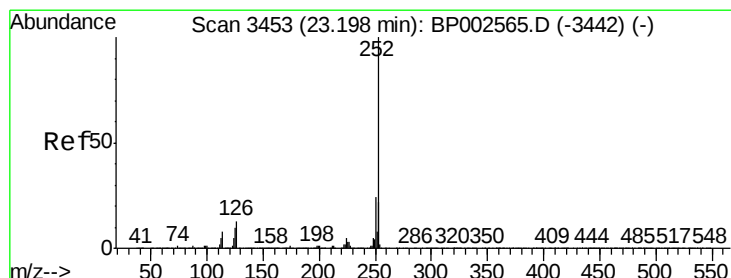
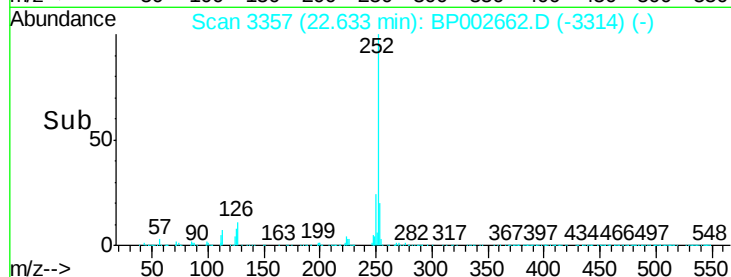
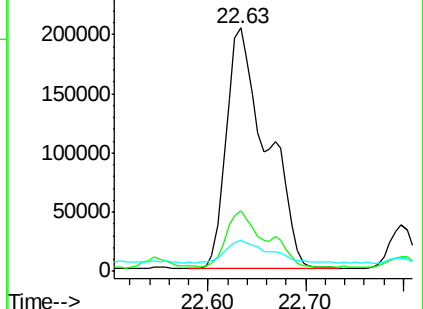
125 12.8 6.9 10.3#



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



#90

Benzo(a)pyrene

Concen: 4.616 ng

RT: 23.19 min Scan# 3451

Delta R.T. -0.01 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

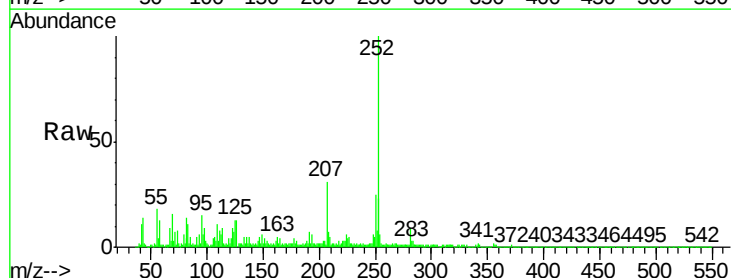
Tgt Ion:252 Resp: 311023

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

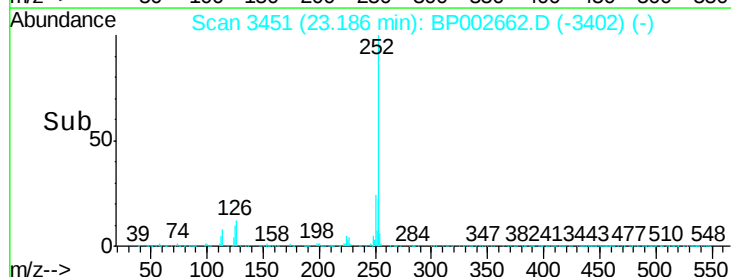
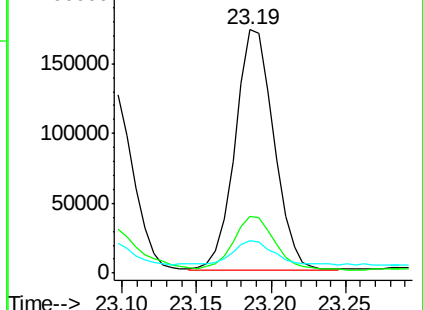
125 13.4 7.8 11.8#

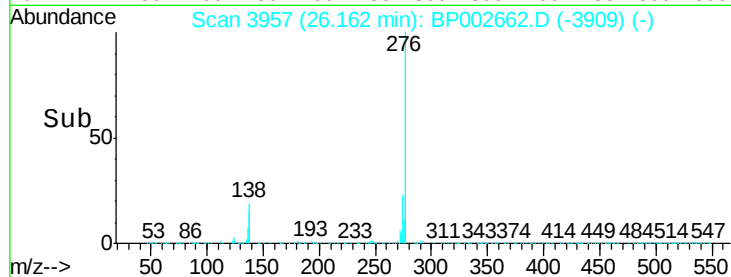
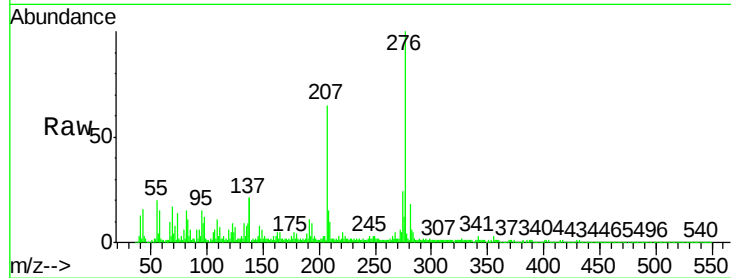
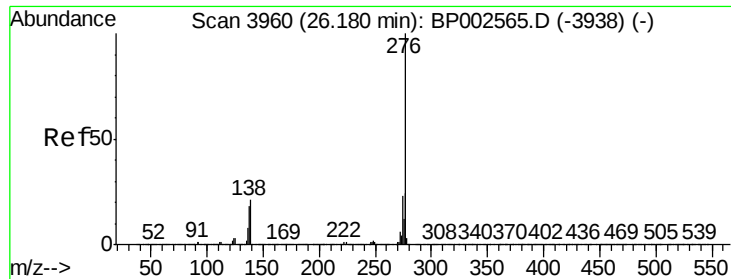


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.770 ng

RT: 26.16 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BP002662.D

Acq: 07 Jul 2020 17:31

Instrument :

BNA_P

ClientSampleId :

12013

Tot Ion: 276 Resp: 255228

Ion Ratio Lower Upper

276 100

277 24.3 19.3 28.9

138 21.0 16.9 25.3

