

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071720\
 Data File : BP002790.D
 Acq On : 17 Jul 2020 14:03
 Operator : CG/JU
 Sample : L3324-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 17 14:48:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	230785	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	943594	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	454315	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	658129	20.00	ng	0.00
76) Chrysene-d12	21.09	240	565896	20.00	ng	0.01
86) Perylene-d12	23.27	264	642354	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1100420	80.45	ng	0.00
7) Phenol-d6	6.76	99	1497053	76.69	ng	0.00
23) Nitrobenzene-d5	8.70	82	965711	54.74	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	337967	71.27	ng	0.01
45) 2-Fluorobiphenyl	12.82	172	1774456	60.42	ng	0.00
79) Terphenyl-d14	19.57	244	1142684	46.30	ng	0.01

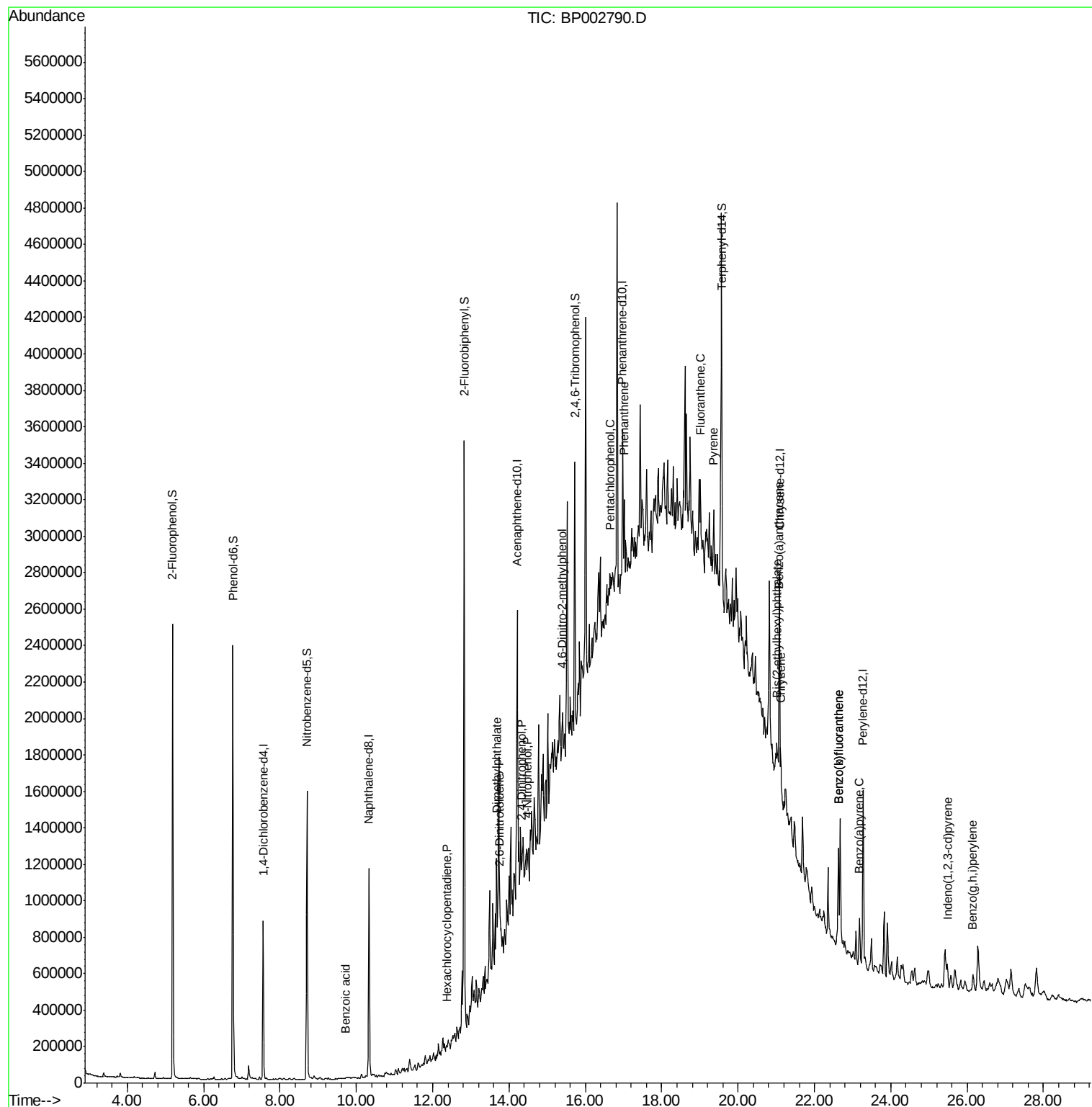
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	839	7.131	ng	# 4
41) Hexachlorocyclopentadiene	12.37	237	23	7.438	ng	# 88
50) Dimethylphthalate	13.67	163	334586	9.657	ng	# 98
51) 2,6-Dinitrotoluene	13.76	165	23566	3.177	ng	# 33
54) 2,4-Dinitrophenol	14.33	184	22	11.379	ng	# 1
56) 4-Nitrophenol	14.47	139	676	5.067	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.39	198	1739	5.660	ng	# 1
70) Pentachlorophenol	16.66	266	1444	7.800	ng	# 1
71) Phenanthrene	17.02	178	99652	2.797	ng	# 69
75) Fluoranthene	19.01	202	248639	6.022	ng	# 98
78) Pyrene	19.36	202	256460	6.564	ng	# 98
81) Benzo(a)anthracene	21.07	228	129001	3.522	ng	# 94
83) Chrysene	21.12	228	174803	5.013	ng	# 97
84) Bis(2-ethylhexyl)phthalate	21.01	149	74434	3.471	ng	# 92
87) Indeno(1,2,3-cd)pyrene	25.48	276	118201	2.546	ng	# 96
88) Benzo(b)fluoranthene	22.62	252	327754	8.217	ng	# 91
89) Benzo(k)fluoranthene	22.62	252	327754	8.342	ng	# 92
90) Benzo(a)pyrene	23.18	252	149439	3.954	ng	# 92
92) Benzo(a,h,i)perylene	26.16	276	117447	3.094	ng	# 95

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

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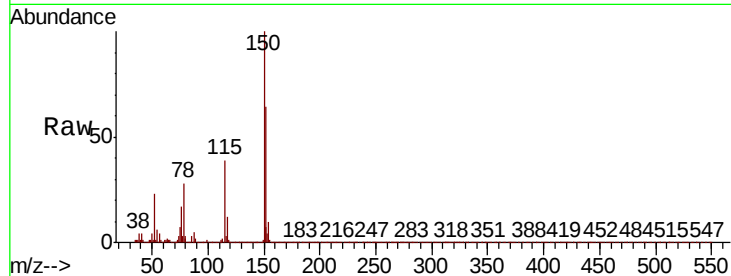


#1

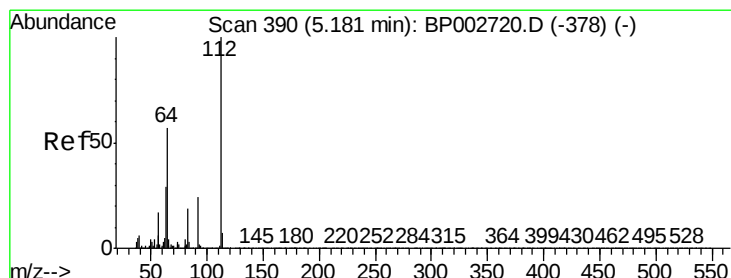
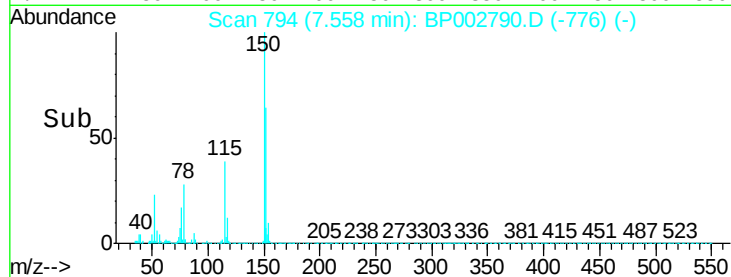
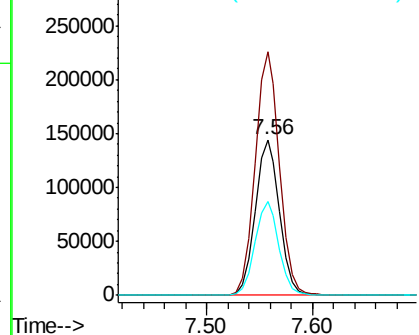
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002790.D
Acq: 17 Jul 2020 14:03

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.7	185.5
115	60.5	47.2	70.8



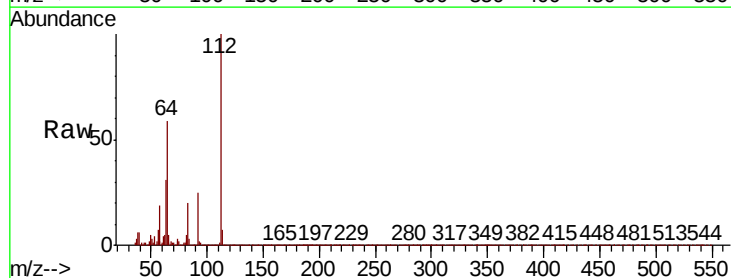
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



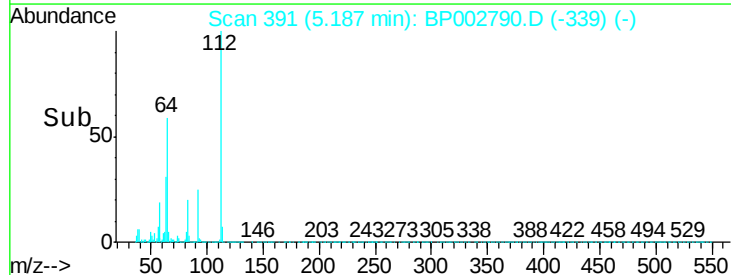
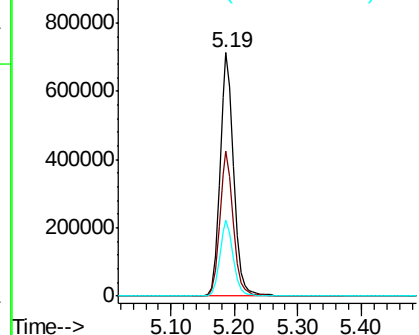
#5

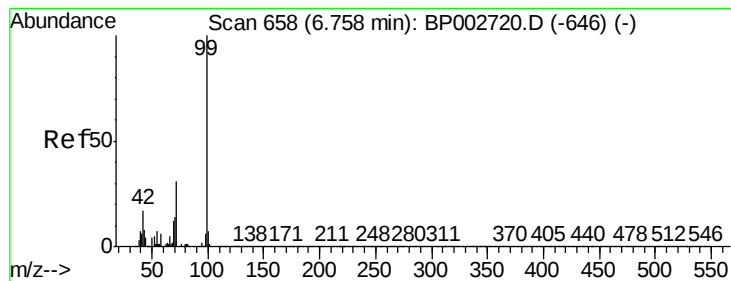
2-Fluorophenol
Concen: 80.448 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002790.D
Acq: 17 Jul 2020 14:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	45.6	68.4
63	31.0	23.5	35.3



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: 76.686 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

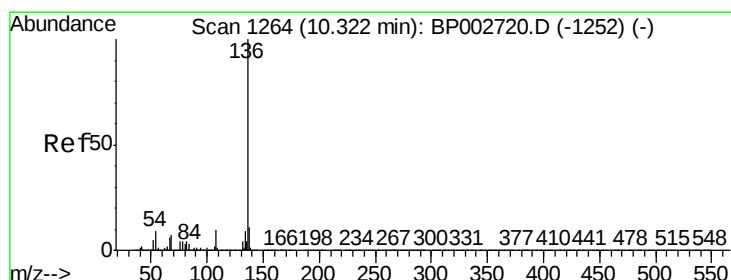
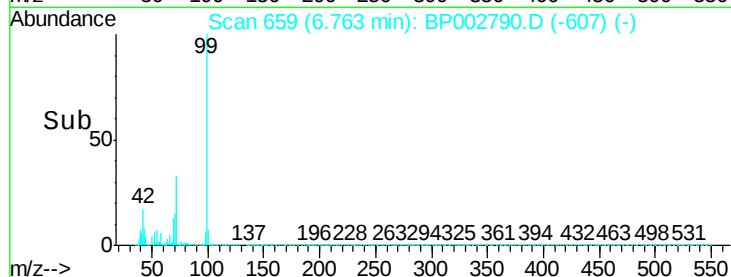
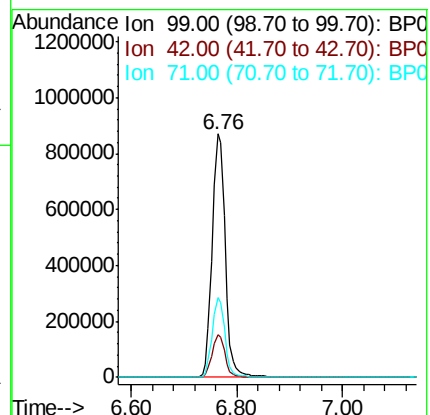
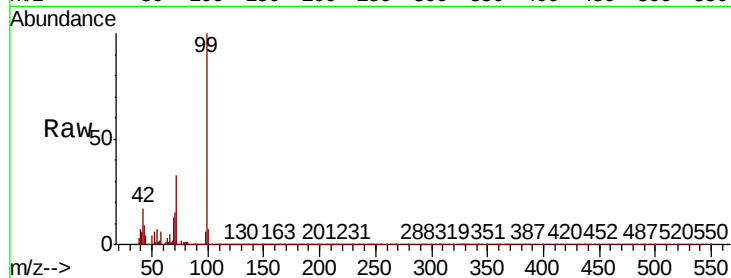
Instrument :

BNA_P

ClientSampled :

Tot Ion: 99 Resp: 1497053

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.4	20.2
71	32.6	24.6	36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1265

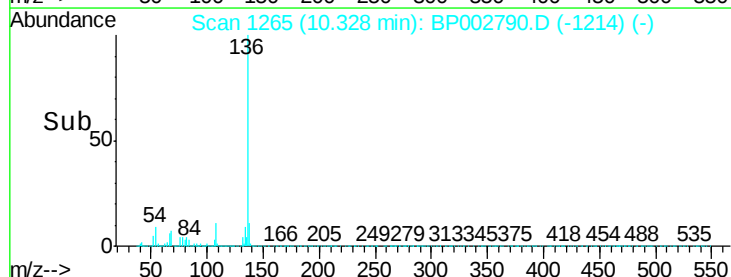
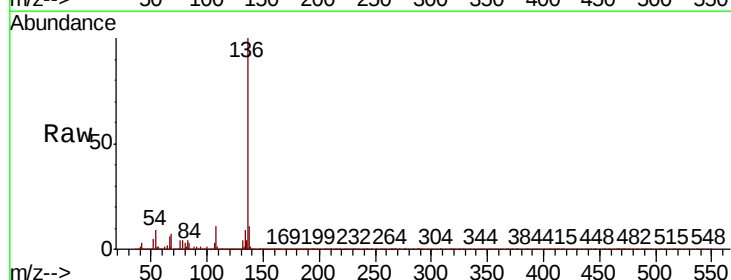
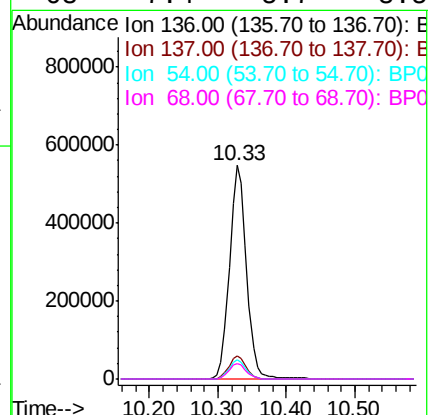
Delta R.T. 0.00 min

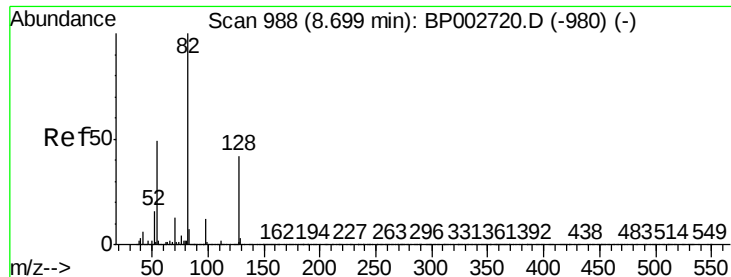
Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Tgt Ion: 136 Resp: 943594

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.0	6.9	10.3
68	7.4	5.7	8.5

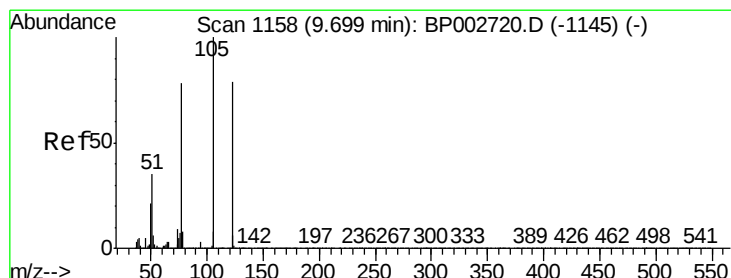
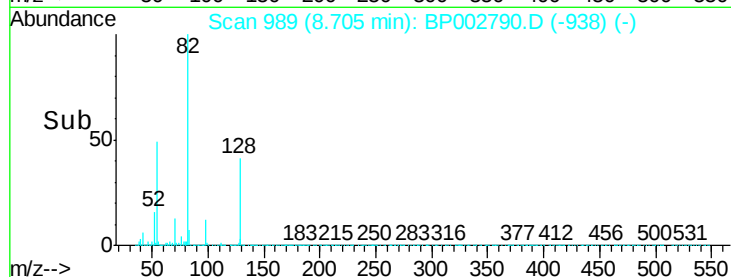
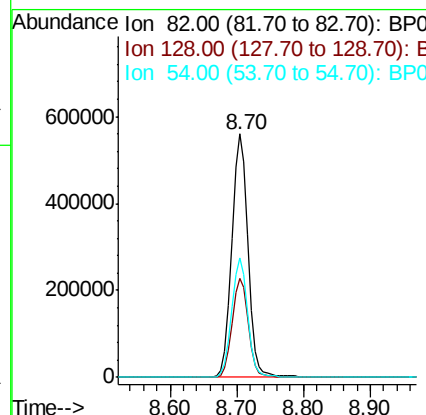
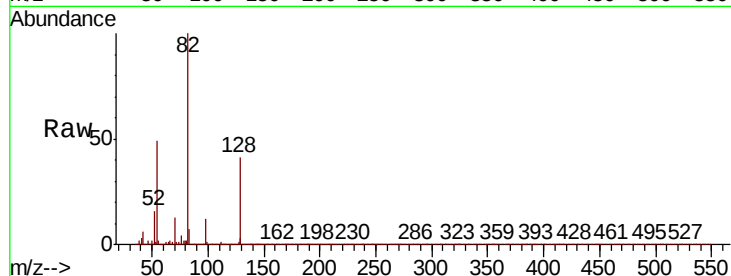




#23
 Nitrobenzene-d5
 Concen: 54.737 ng
 RT: 8.70 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

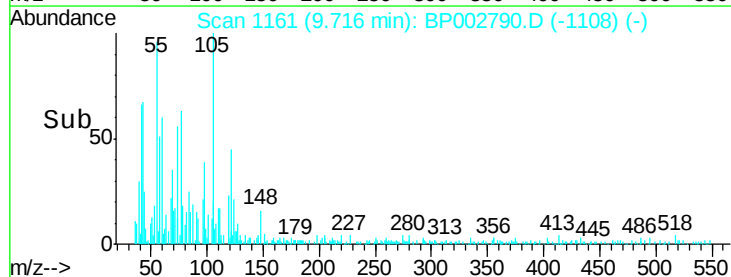
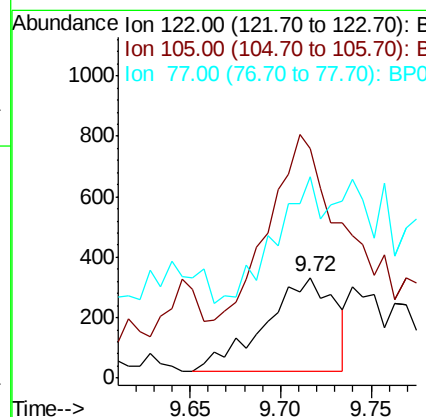
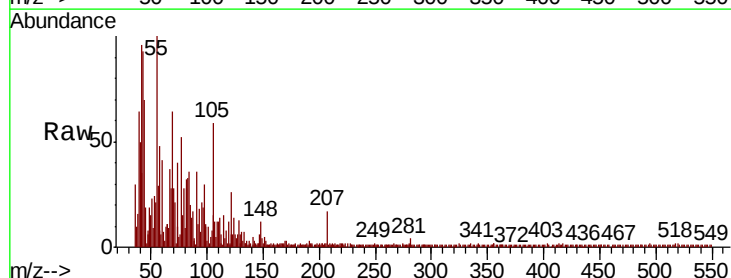
Instrument :
 BNA_P
 ClientSampleId :

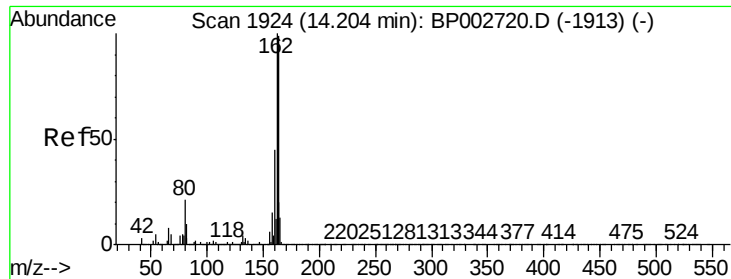
Tot Ion	82	Resp	965711
Ion Ratio	Lower	Upper	
82	100		
128	40.7	33.8	50.8
54	48.9	38.8	58.2



#32
 Benzoic acid
 Concen: 7.131 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

Tgt Ion	122	Resp	839
Ion Ratio	Lower	Upper	
122	100		
105	228.9	105.4	145.4#
77	201.2	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.21 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

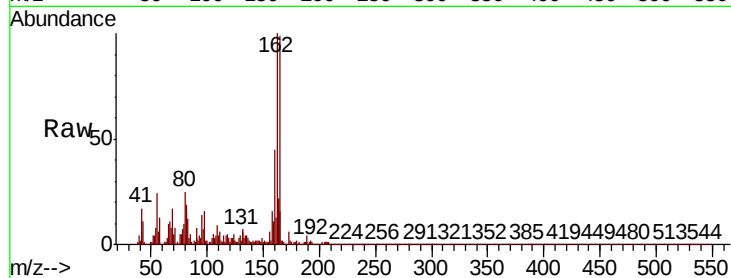
Tot Ion:164 Resp: 454315

Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

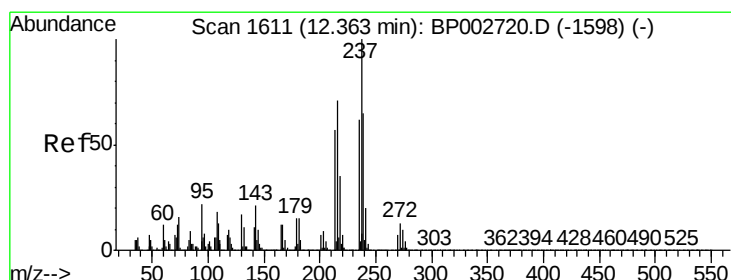
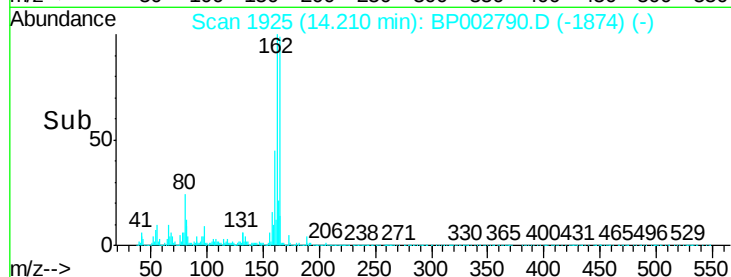
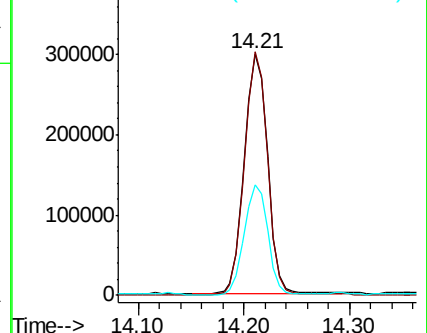
160 45.7 36.4 54.6



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: 7.438 ng

RT: 12.37 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

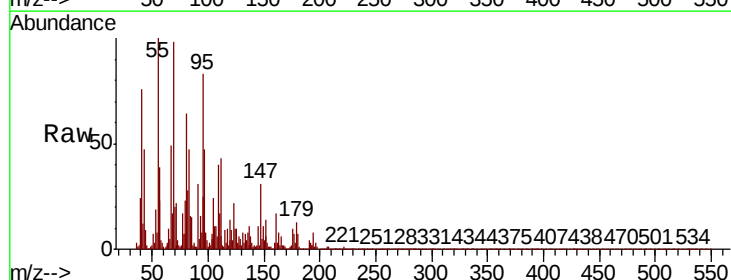
Tgt Ion:237 Resp: 23

Ion Ratio Lower Upper

237 100

235 56.0 42.3 82.3

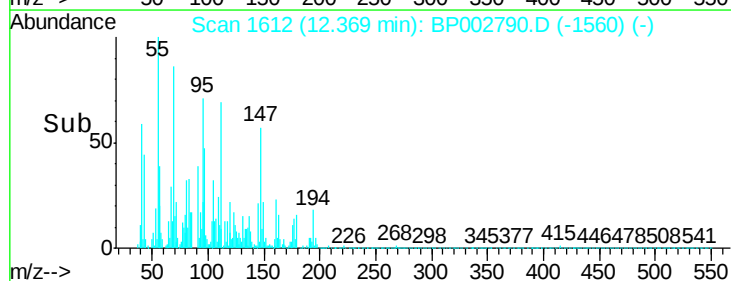
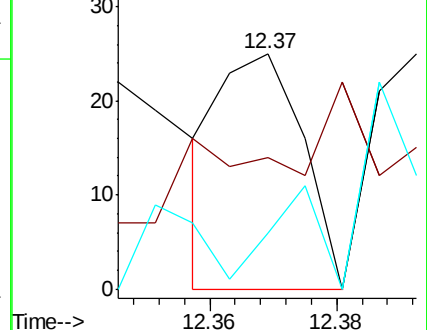
272 24.0 0.0 32.5

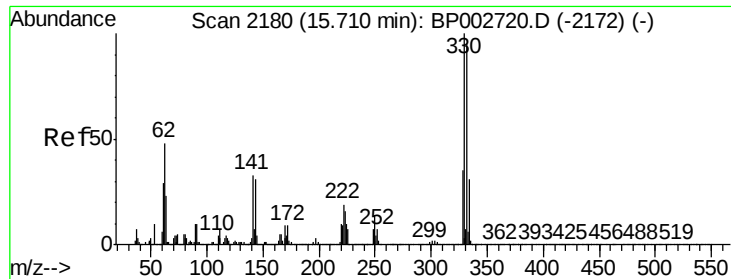


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

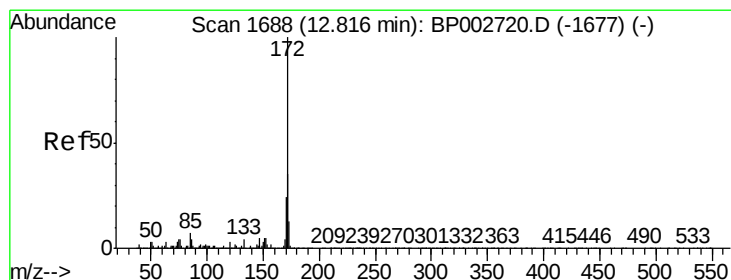
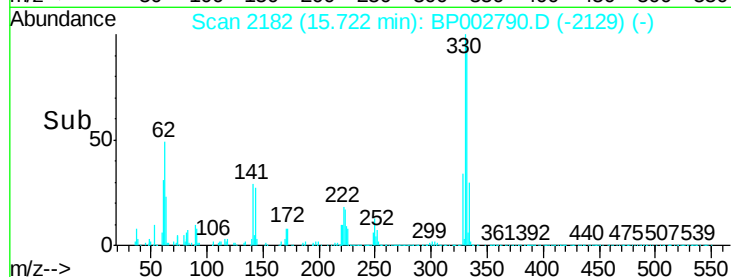
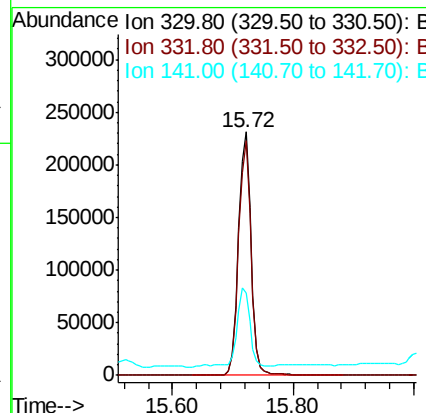
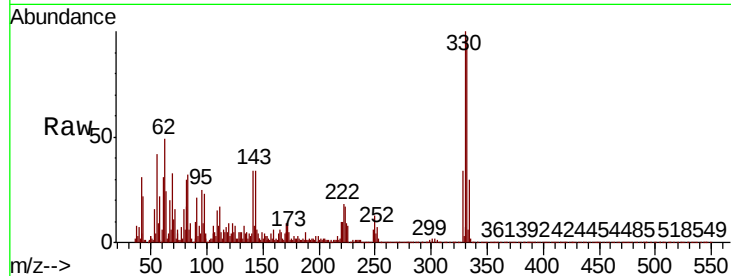




#42
 2,4,6-Tribromophenol
 Concen: 71.266 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

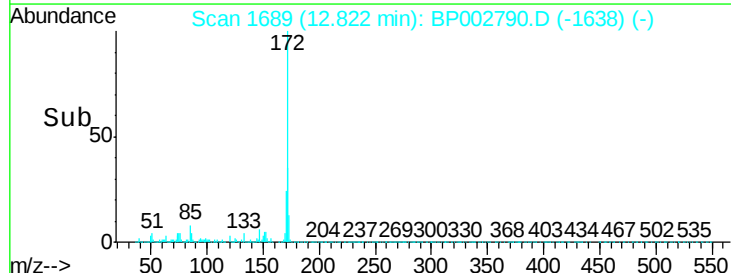
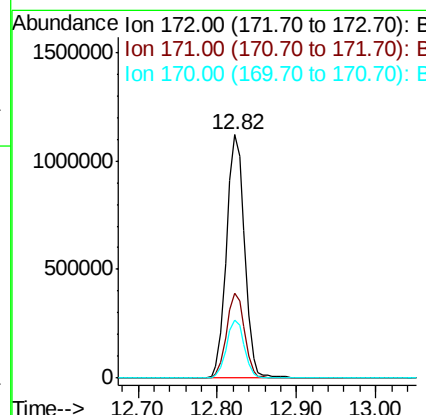
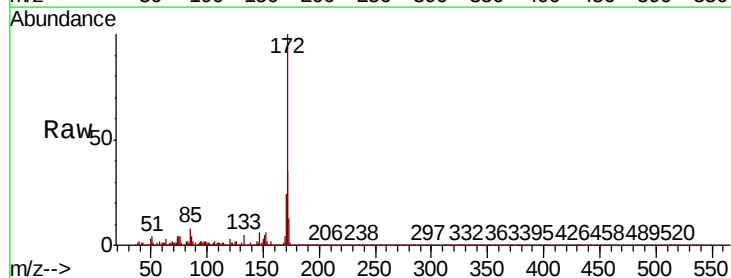
Instrument :
 BNA_P
 ClientSampleId :

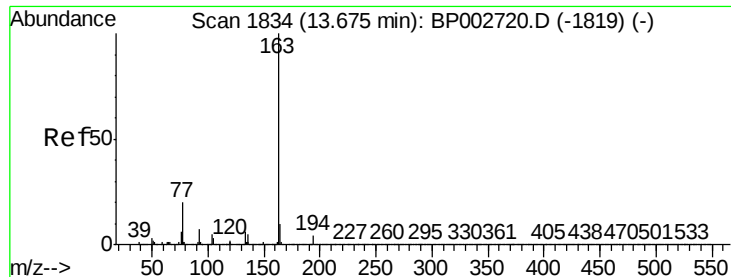
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	31.3	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 60.422 ng
 RT: 12.82 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.8	19.3	28.9





#50

Dimethylphthalate

Concen: 9.657 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

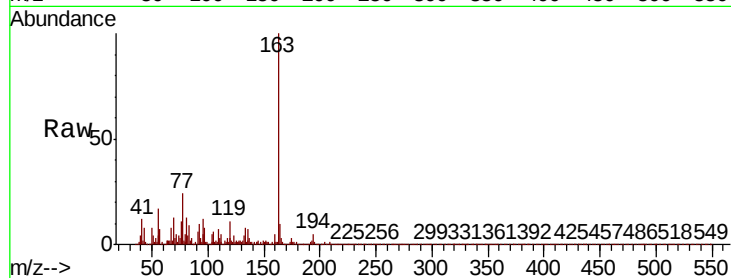
Tot Ion:163 Resp: 334586

Ion Ratio Lower Upper

163 100

194 5.3 3.4 5.2#

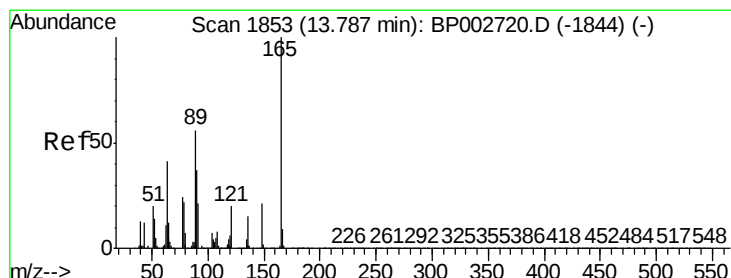
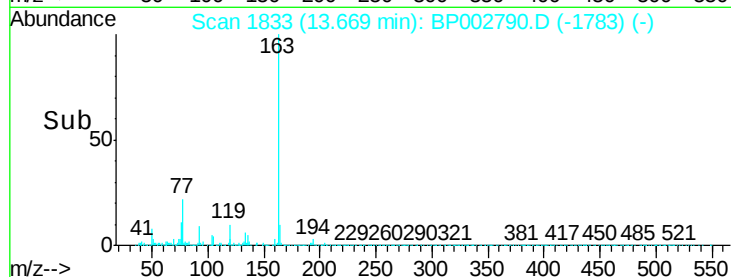
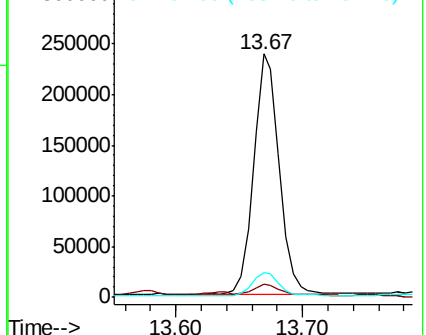
164 10.4 7.8 11.8



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



#51

2,6-Dinitrotoluene

Concen: 3.177 ng

RT: 13.76 min Scan# 1849

Delta R.T. -0.02 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

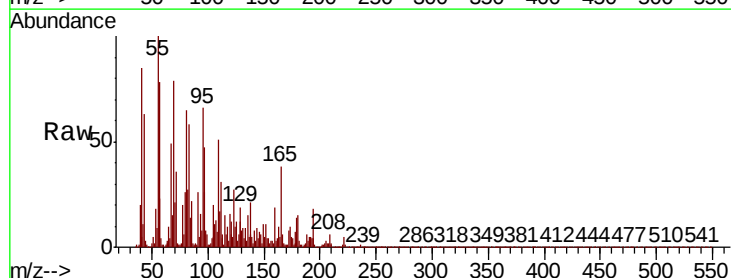
Tgt Ion:165 Resp: 23566

Ion Ratio Lower Upper

165 100

63 7.8 43.2 64.8#

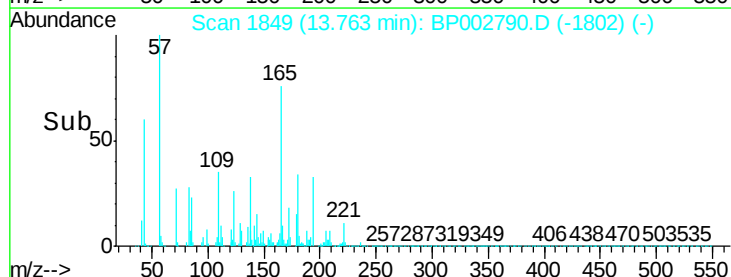
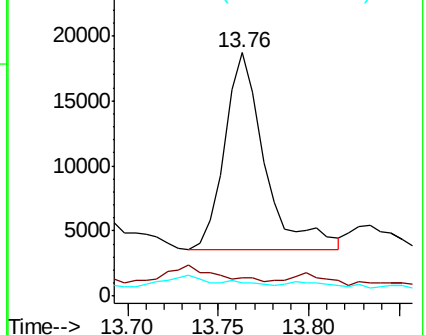
89 5.4 44.6 67.0#

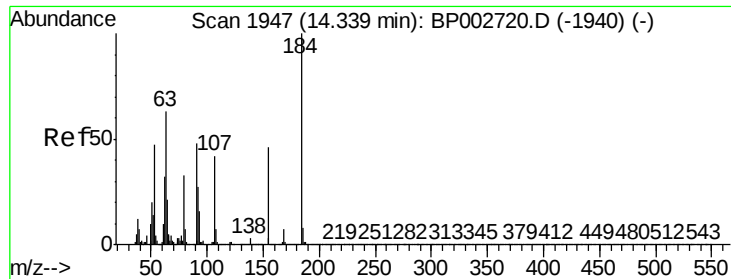


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

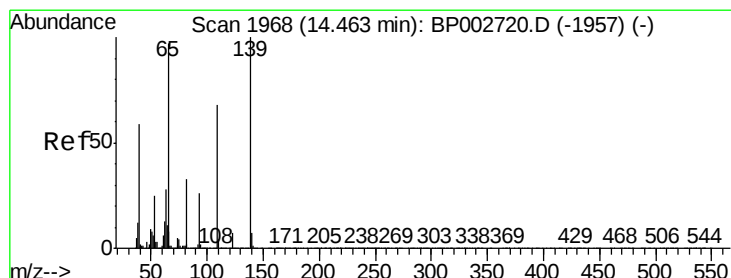
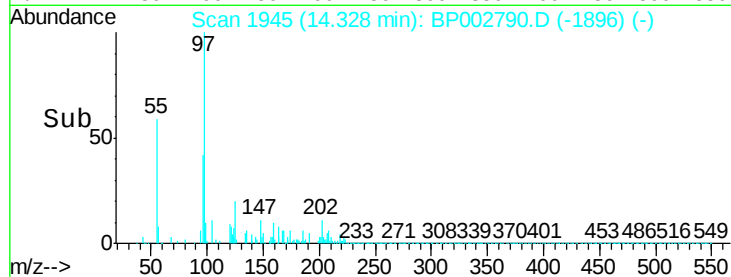
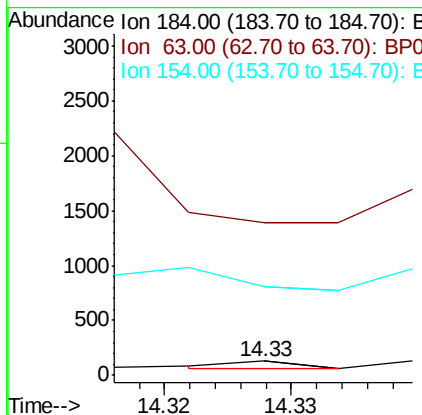
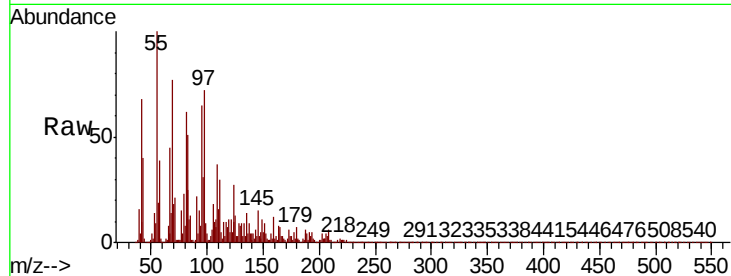




#54
2,4-Dinitrophenol
Concen: 11.379 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BP002790.D
Acq: 17 Jul 2020 14:03

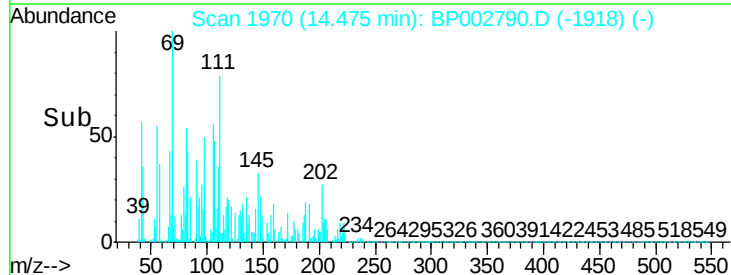
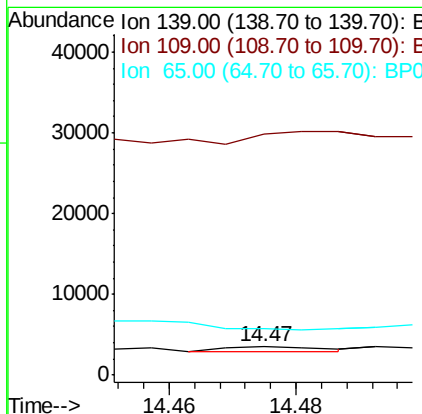
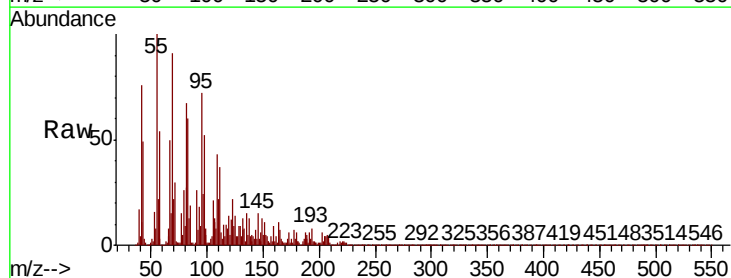
Instrument :
BNA_P
ClientSampleId :

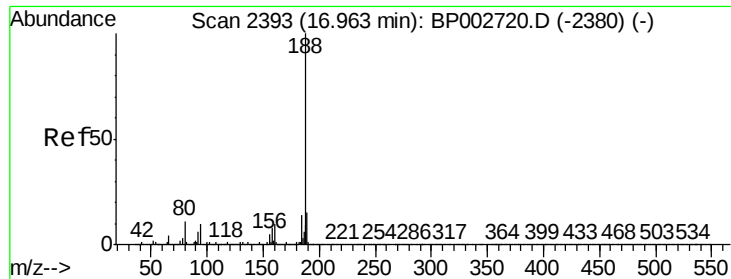
Tot Ion:184 Resp: 22
Ion Ratio Lower Upper
184 100
63 1066.2 51.6 77.4#
154 617.7 45.0 67.6#



#56
4-Nitrophenol
Concen: 5.067 ng
RT: 14.47 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BP002790.D
Acq: 17 Jul 2020 14:03

Tgt Ion:139 Resp: 676
Ion Ratio Lower Upper
139 100
109 848.9 48.1 88.1#
65 162.9 77.9 117.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

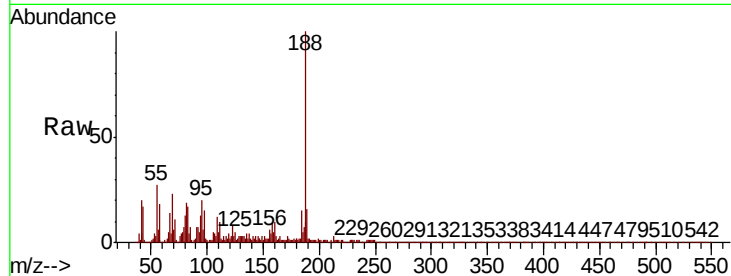
Tot Ion:188 Resp: 658129

Ion Ratio Lower Upper

188 100

94 12.8 8.1 12.1#

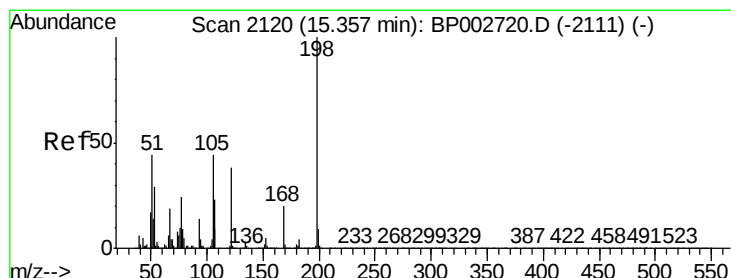
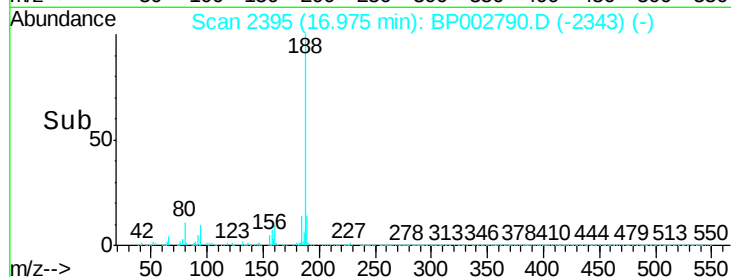
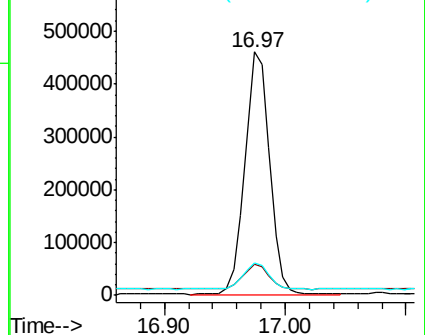
80 13.3 8.9 13.3#



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: 5.660 ng

RT: 15.39 min Scan# 2126

Delta R.T. 0.03 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

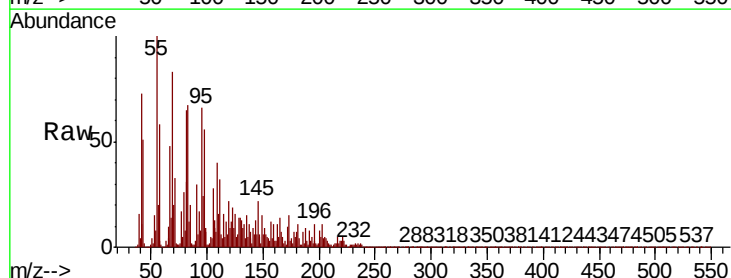
Tgt Ion:198 Resp: 1739

Ion Ratio Lower Upper

198 100

51 419.6 27.1 67.1#

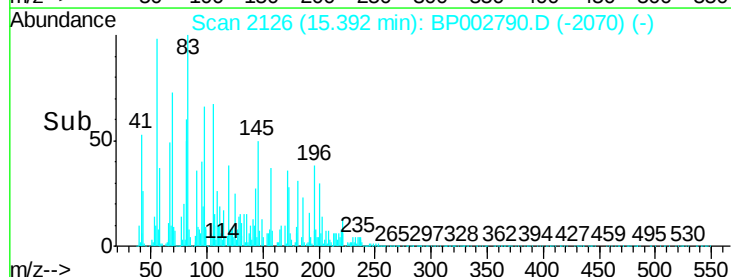
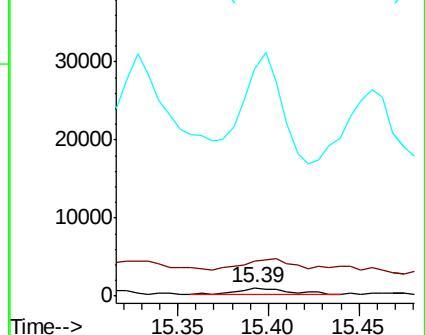
105 2703.2 24.9 64.9#

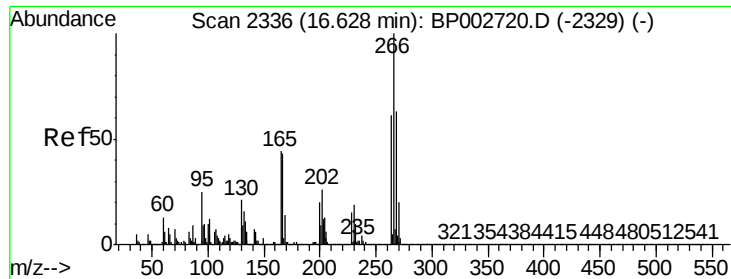


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

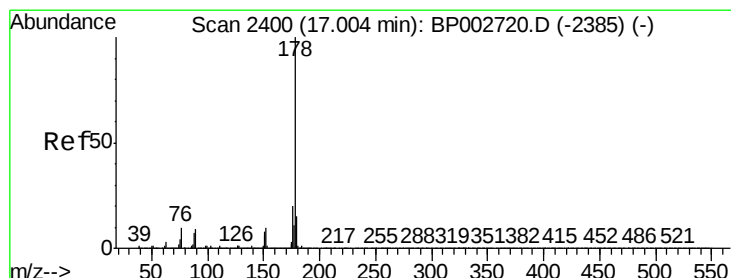
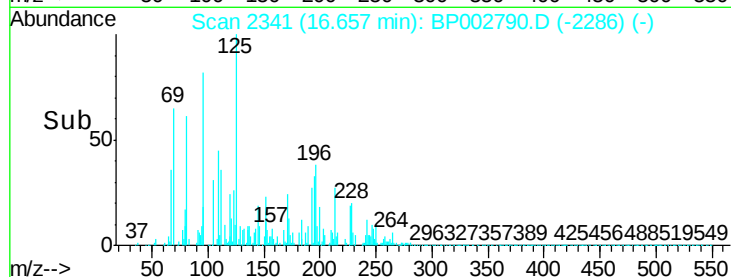
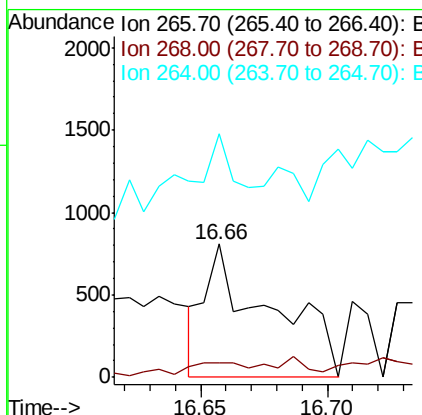
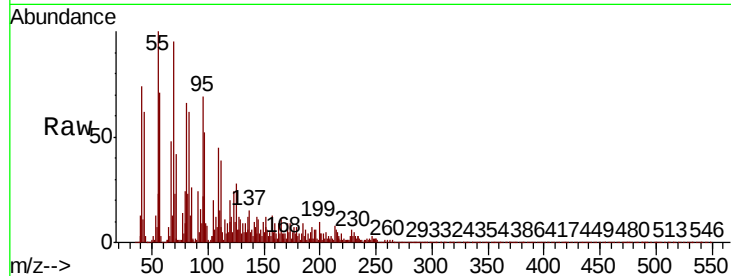




#70
 Pentachlorophenol
 Concen: 7.800 ng
 RT: 16.66 min Scan# 2341
 Delta R.T. 0.02 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

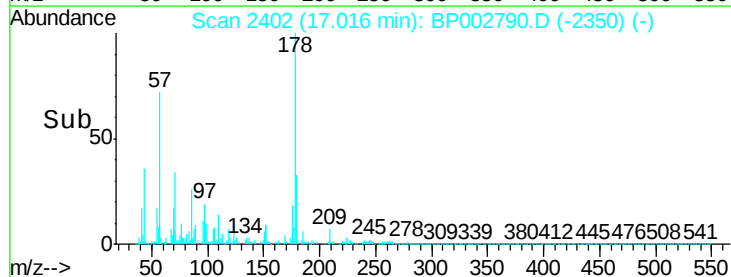
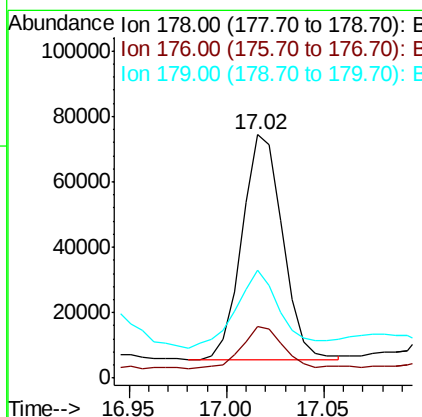
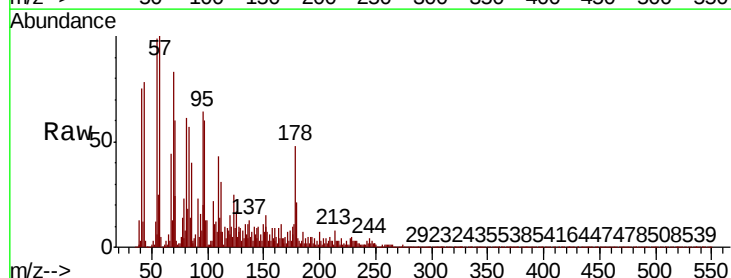
Instrument :
 BNA_P
 ClientSampleId :

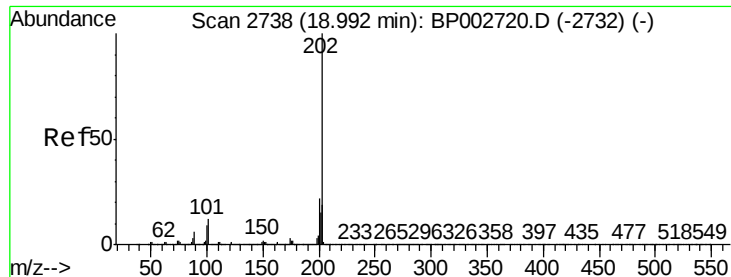
Tot Ion:266 Resp: 1444
 Ion Ratio Lower Upper
 266 100
 268 10.9 50.6 75.8#
 264 183.0 48.6 72.8#



#71
 Phenanthrene
 Concen: 2.797 ng
 RT: 17.02 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

Tgt Ion:178 Resp: 99652
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.9 23.9
 179 44.1 12.3 18.5#





#75

Fluoranthene

Concen: 6.022 ng

RT: 19.01 min Scan# 2741

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

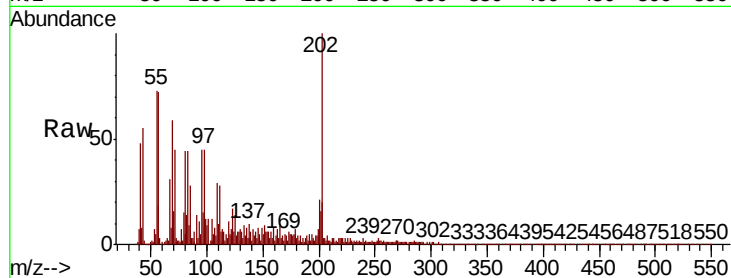
Tot Ion:202 Resp: 248639

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.5

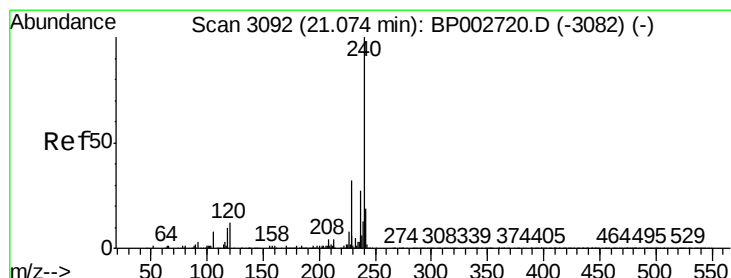
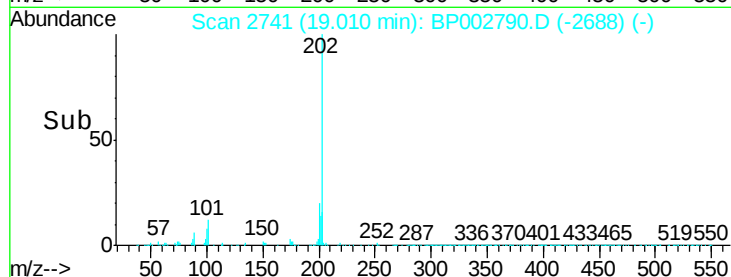
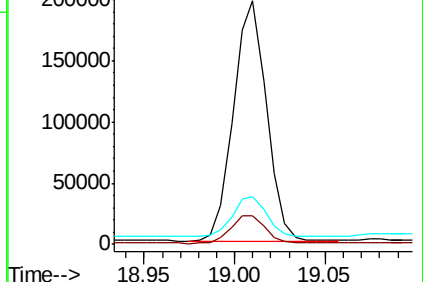
203 19.9 0.0 38.6



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: BP002790.D

Acq: 17 Jul 2020 14:03

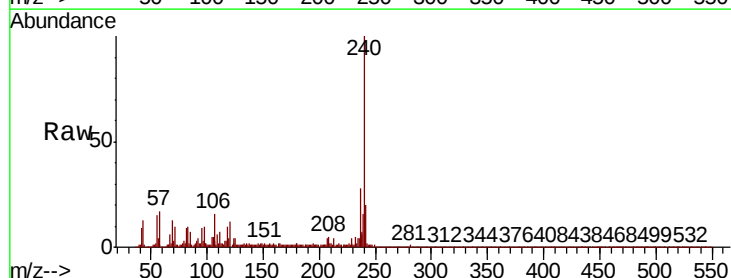
Tgt Ion:240 Resp: 565896

Ion Ratio Lower Upper

240 100

120 12.2 9.4 14.2

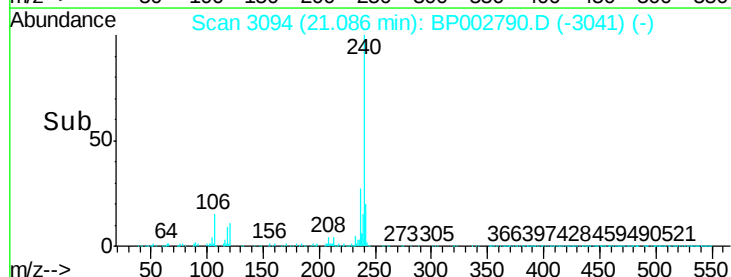
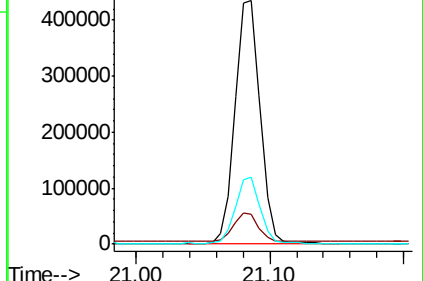
236 27.6 21.3 31.9

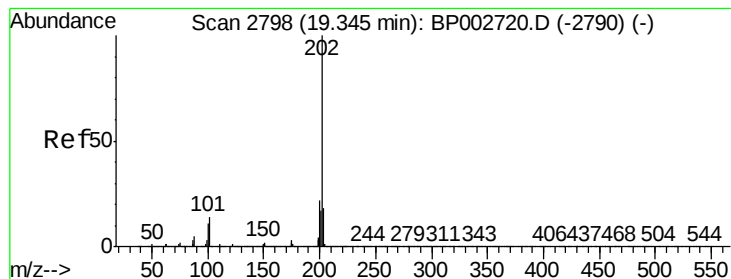


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.564 ng

RT: 19.36 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampled :

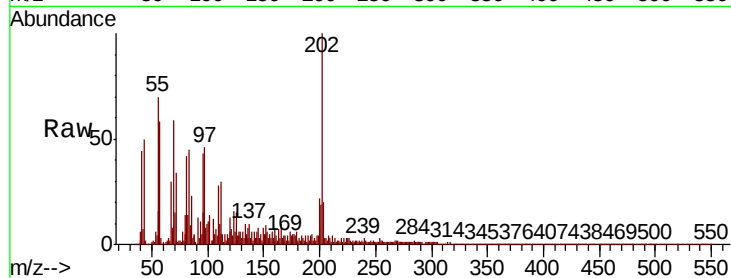
Tot Ion:202 Resp: 256460

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

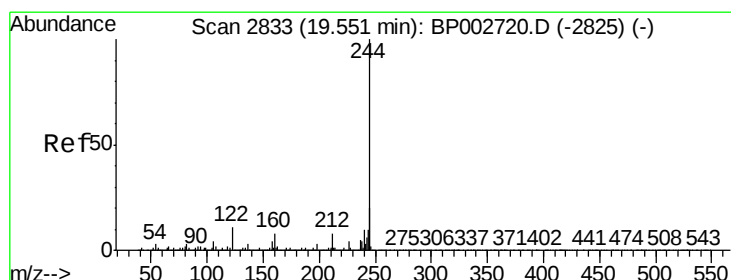
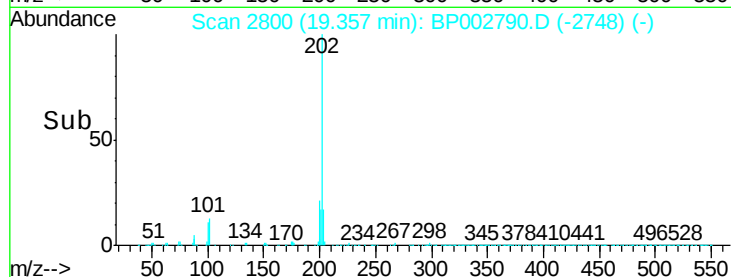
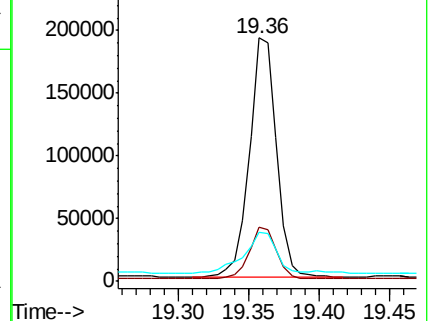
203 20.3 14.5 21.7



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



#79

Terphenyl-d14

Concen: 46.296 ng

RT: 19.57 min Scan# 2836

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

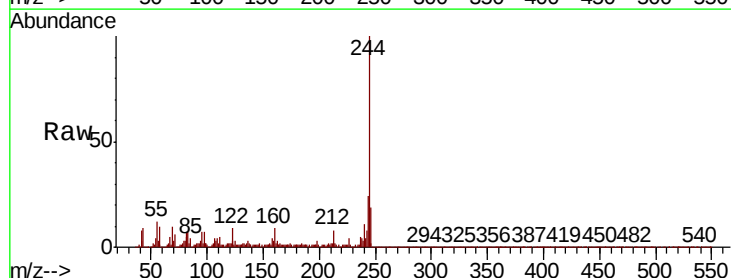
Tgt Ion:244 Resp: 1142684

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

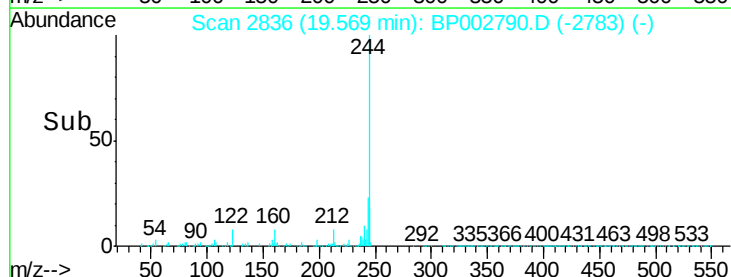
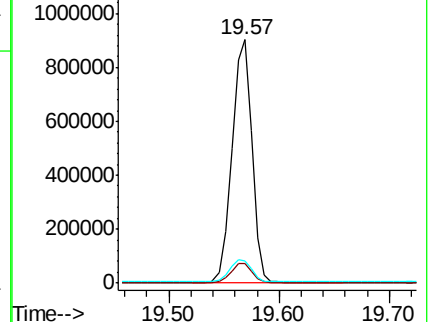
122 8.9 8.9 13.3

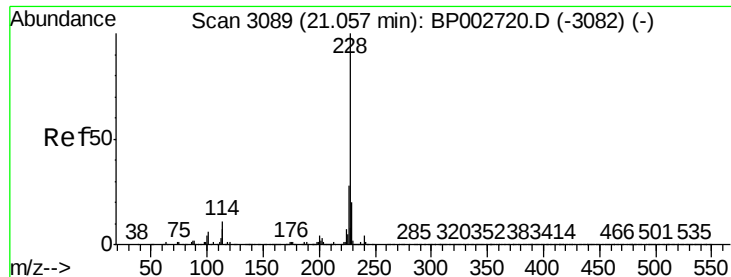


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

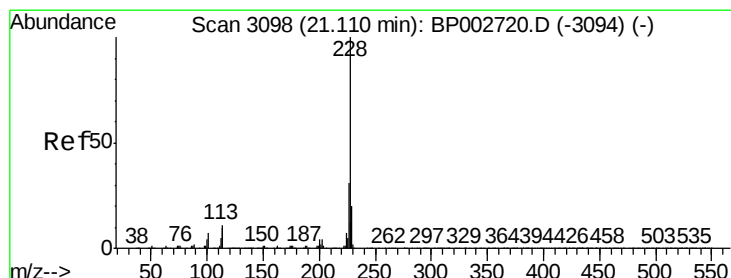
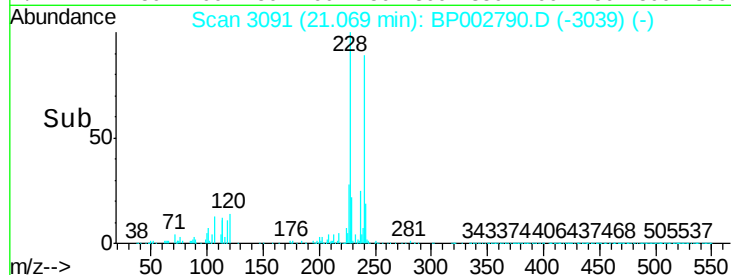
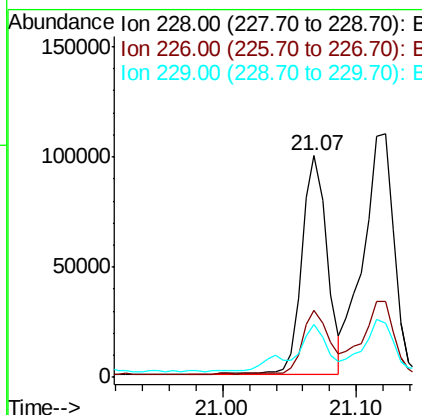
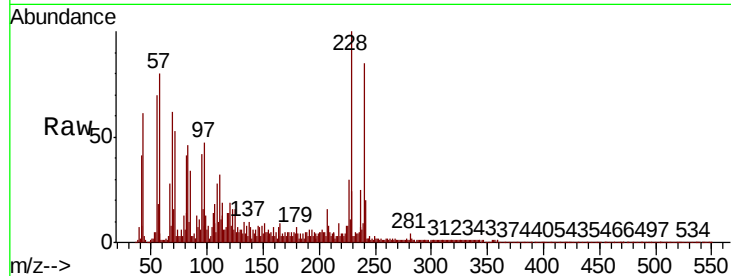




#81
Benzo(a)anthracene
Concen: 3.522 ng
RT: 21.07 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BP002790.D
Acq: 17 Jul 2020 14:03

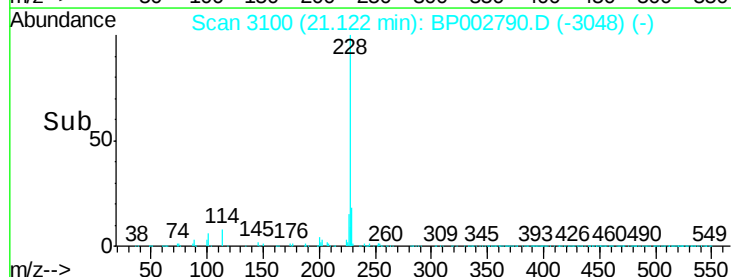
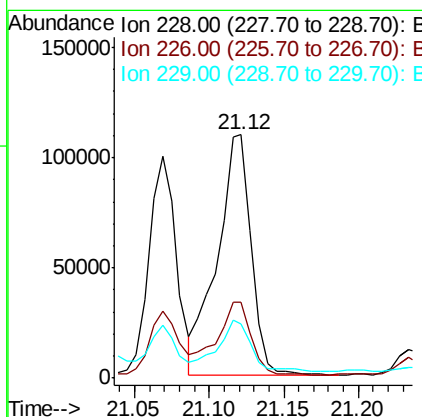
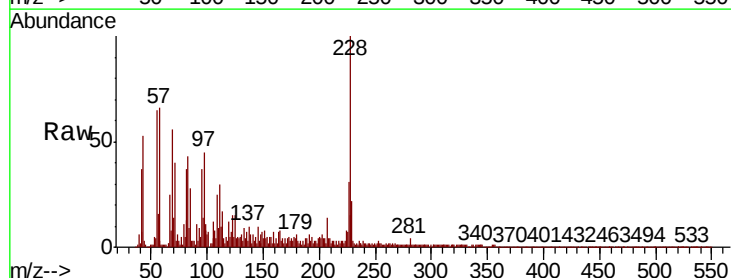
Instrument :
BNA_P
ClientSampled :

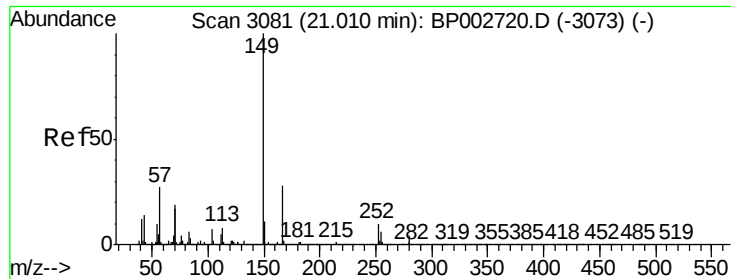
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	34.0
229	24.0	16.0	24.0



#83
Chrysene
Concen: 5.013 ng
RT: 21.12 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BP002790.D
Acq: 17 Jul 2020 14:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	22.4	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.471 ng

RT: 21.01 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

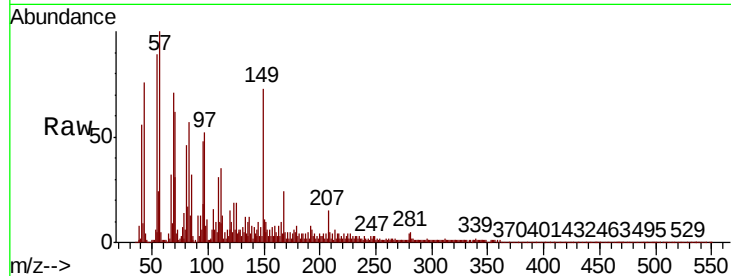
Tot Ion:149 Resp: 74434

Ion Ratio Lower Upper

149 100

167 32.5 22.4 33.6

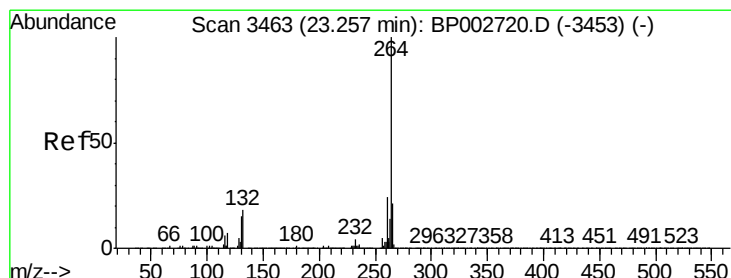
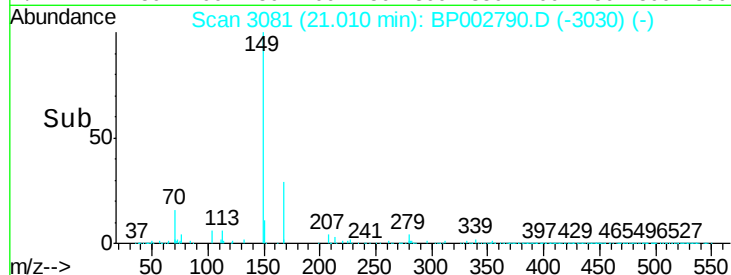
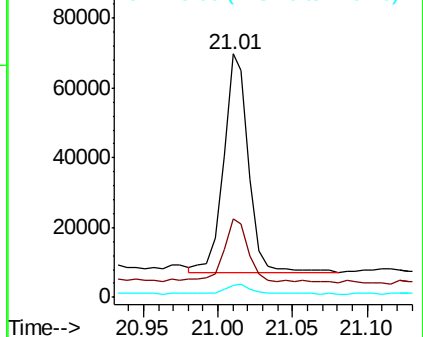
279 5.0 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.27 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

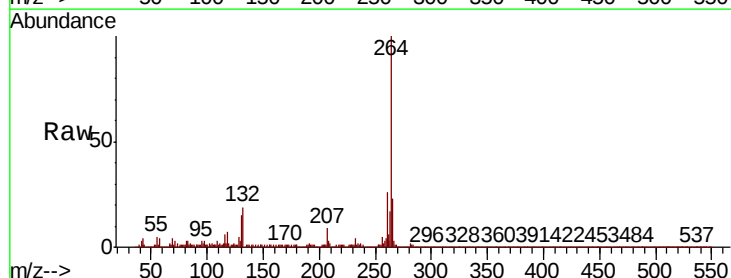
Tgt Ion:264 Resp: 642354

Ion Ratio Lower Upper

264 100

260 26.1 19.3 28.9

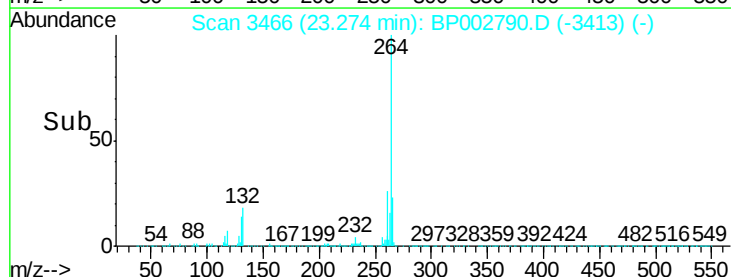
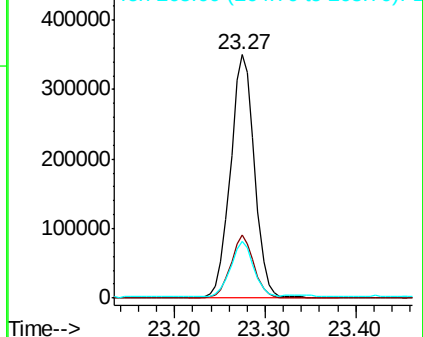
265 23.2 16.8 25.2

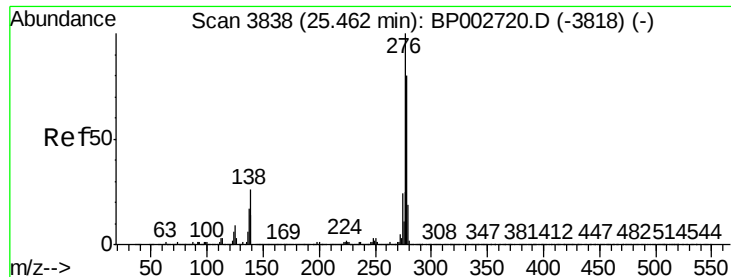


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

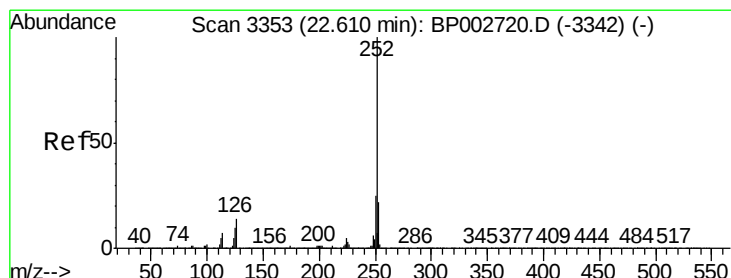
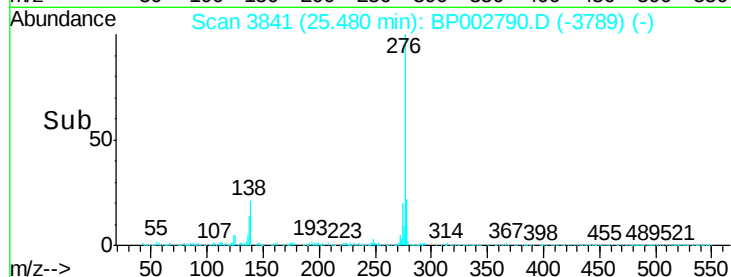
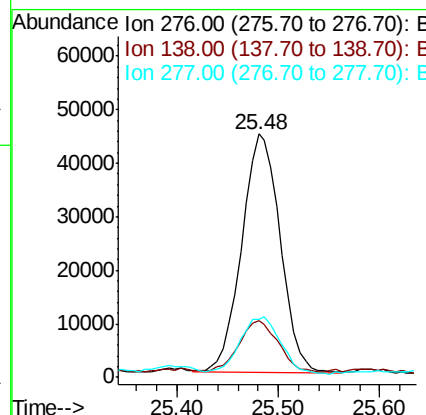
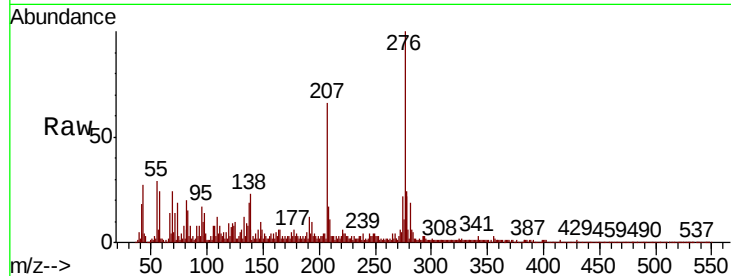




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.546 ng
 RT: 25.48 min Scan# 3841
 Delta R.T. 0.01 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

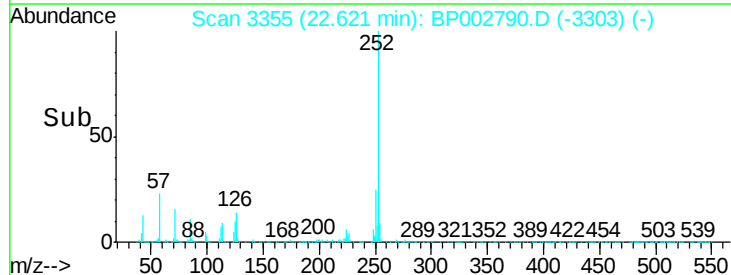
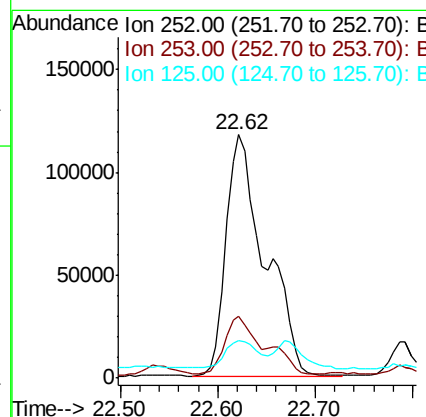
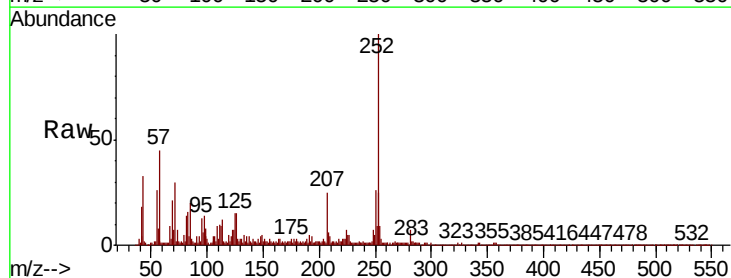
Instrument :
 BNA_P
 ClientSampleId :

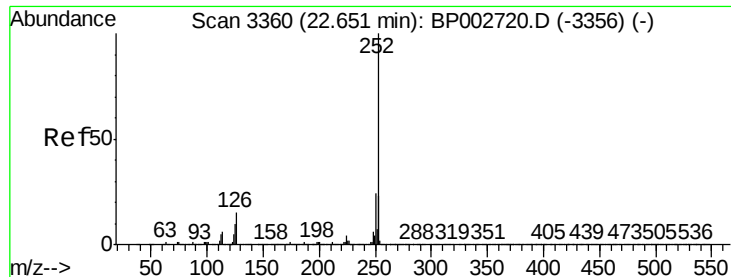
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.8	31.2
277	25.0	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 8.217 ng
 RT: 22.62 min Scan# 3355
 Delta R.T. 0.01 min
 Lab File: BP002790.D
 Acq: 17 Jul 2020 14:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.7	26.5
125	15.2	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 8.342 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

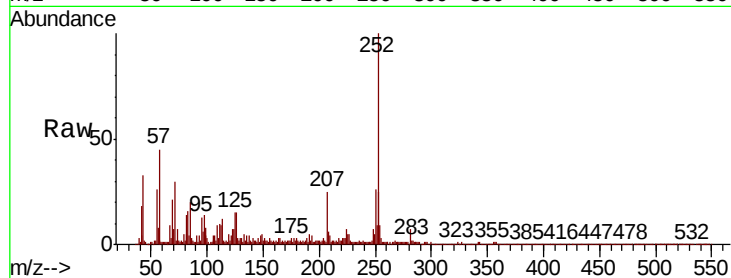
Tot Ion:252 Resp: 327754

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

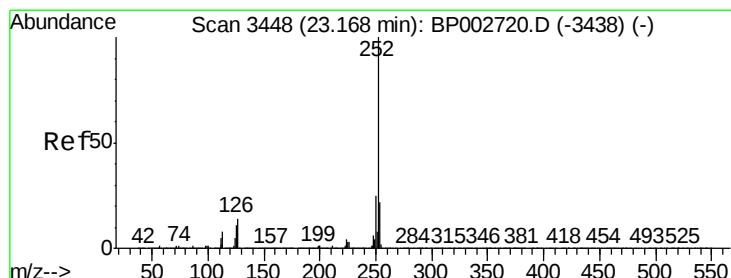
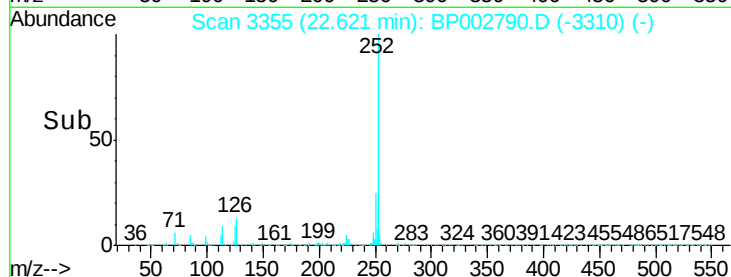
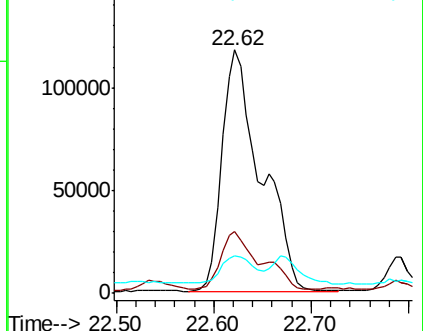
125 15.2 8.3 12.5#



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: 3.954 ng

RT: 23.18 min Scan# 3450

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

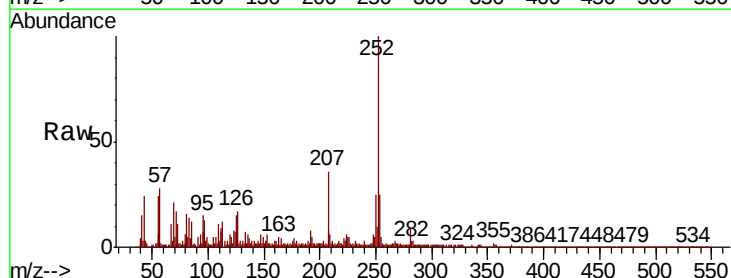
Tgt Ion:252 Resp: 149439

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

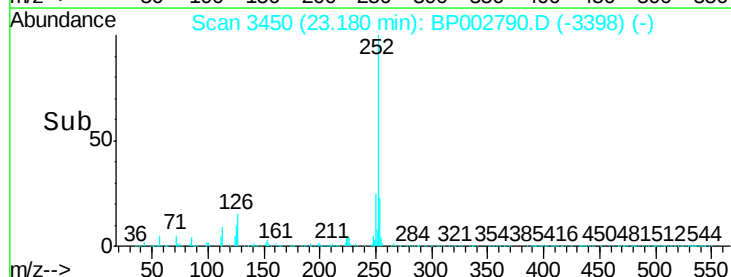
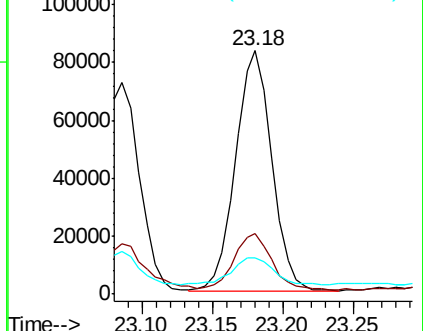
125 15.1 8.6 13.0#

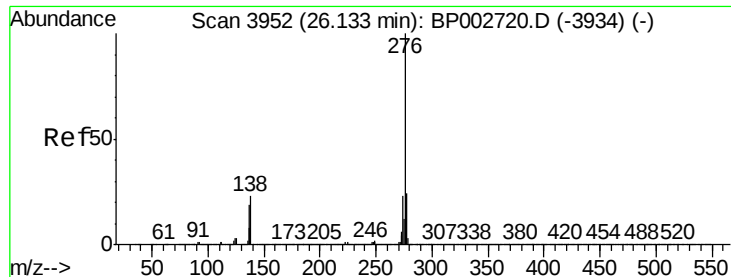


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.094 ng

RT: 26.16 min Scan# 3956

Delta R.T. 0.01 min

Lab File: BP002790.D

Acq: 17 Jul 2020 14:03

Instrument :

BNA_P

ClientSampleId :

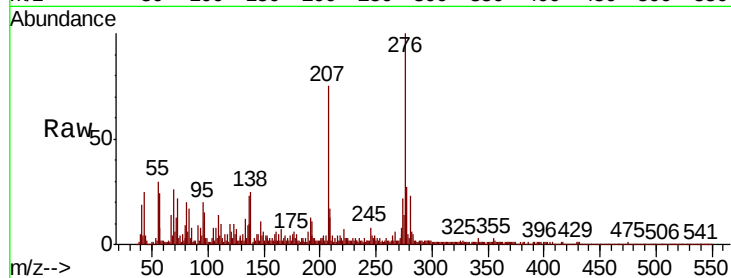
Tot Ion: 276 Resp: 117447

Ion Ratio Lower Upper

276 100

277 26.7 19.1 28.7

138 24.9 18.3 27.5



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

