

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002833.D
 Acq On : 22 Jul 2020 19:49
 Operator : CG/JU
 Sample : L3186-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 23 01:21:48 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	7.55	152	154587	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	627204	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	376023	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	814573	20.00	ng	0.00
76) Chrysene-d12	21.07	240	657206	20.00	ng	0.00
86) Perylene-d12	23.26	264	578288	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	509059	55.56	ng	0.00
7) Phenol-d6	6.76	99	683958	52.31	ng	0.00
23) Nitrobenzene-d5	8.69	82	415165	35.40	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	212451	54.13	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	893918	36.78	ng	-0.01
79) Terphenyl-d14	19.55	244	1151159	40.16	ng	0.00

Target Compounds

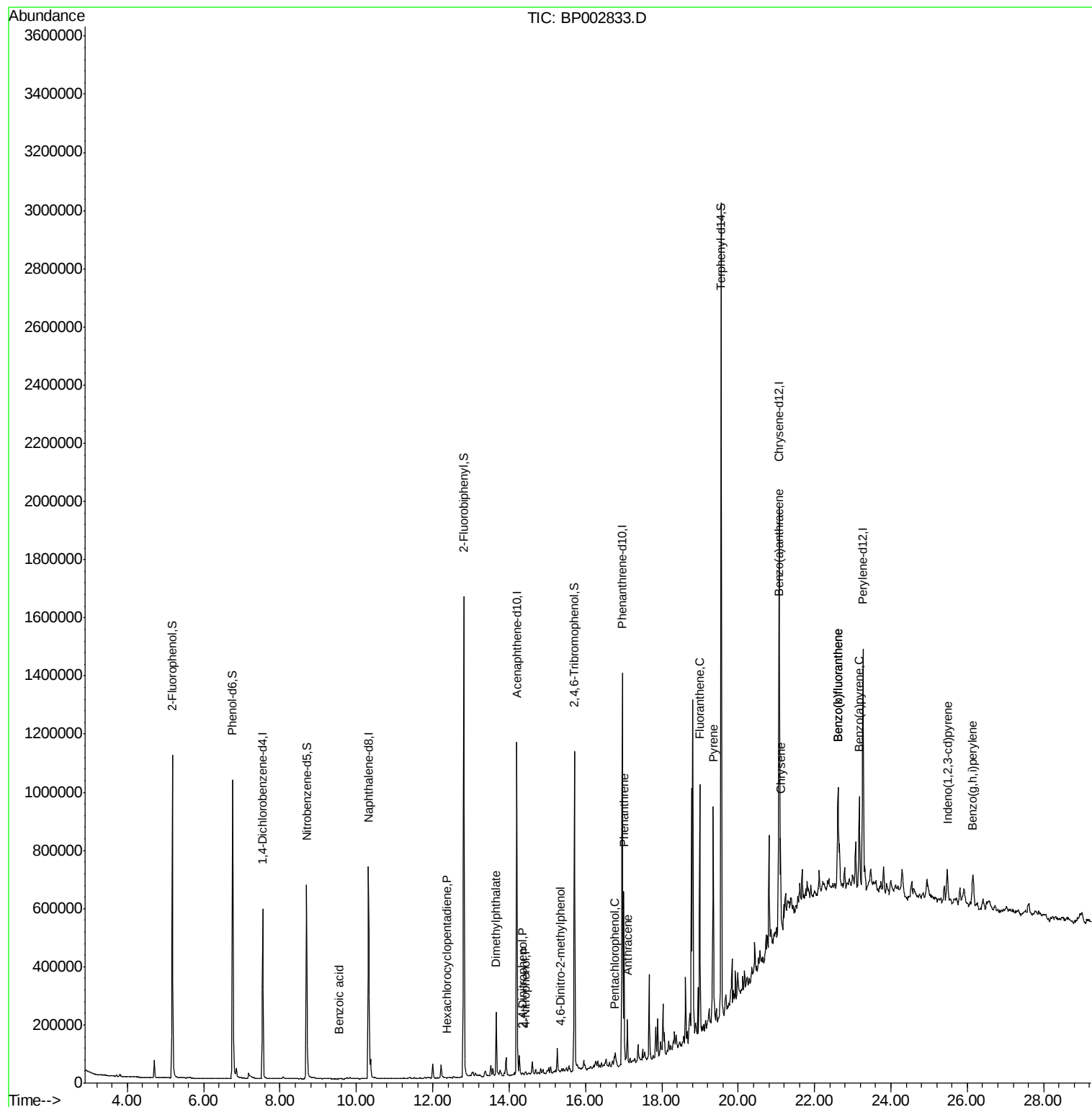
						Qvalue
32) Benzoic acid	9.55	122	207	7.088	ng	92
41) Hexachlorocyclopentadiene	12.38	237	29	7.439	ng	75
50) Dimethylphthalate	13.66	163	147498	5.143	ng	100
54) 2,4-Dinitrophenol	14.34	184	26	11.381	ng	# 1
56) 4-Nitrophenol	14.43	139	468	5.052	ng	# 64
65) 4,6-Dinitro-2-methylphenol	15.35	198	8	5.268	ng	# 1
70) Pentachlorophenol	16.77	266	89	7.459	ng	88
71) Phenanthrene	17.00	178	326153	7.395	ng	99
72) Anthracene	17.10	178	93223	2.154	ng	99
75) Fluoranthene	18.99	202	488934	9.567	ng	98
78) Pyrene	19.35	202	441559	9.731	ng	99
81) Benzo(a)anthracene	21.06	228	188705	4.436	ng	98
83) Chrysene	21.11	228	179074	4.422	ng	97
87) Indeno(1,2,3-cd)pyrene	25.47	276	115389	2.761	ng	96
88) Benzo(b)fluoranthene	22.61	252	233634	6.506	ng	# 95
89) Benzo(k)fluoranthene	22.61	252	233634	6.606	ng	# 95
90) Benzo(a)pyrene	23.17	252	164942	4.847	ng	# 93
92) Benzo(g,h,i)perylene	26.14	276	121757	3.563	ng	95

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

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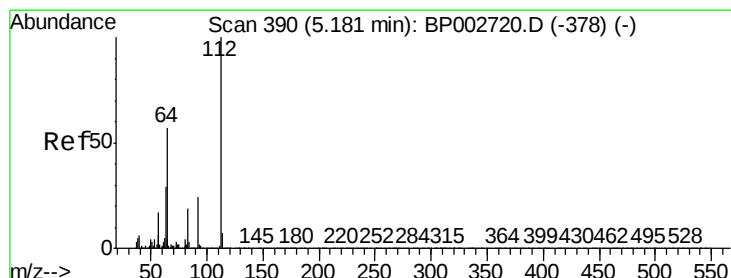
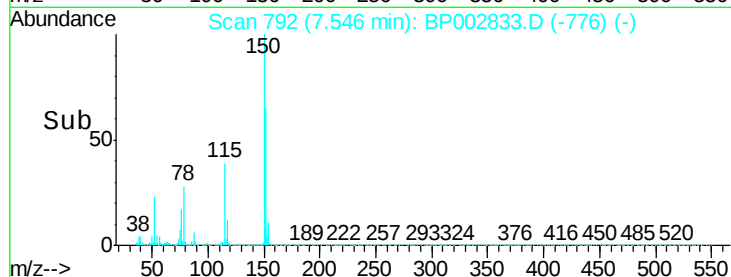
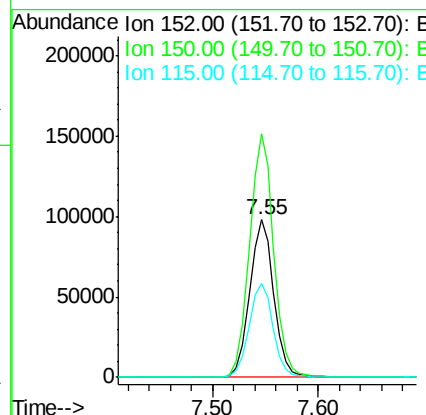
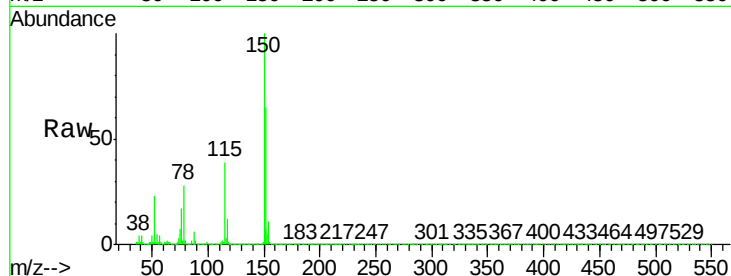


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Instrument :
BNA_P
ClientSampleId :

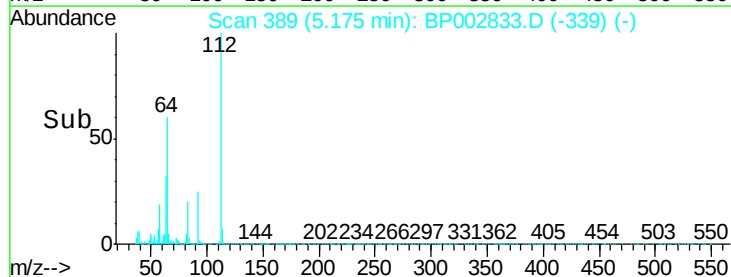
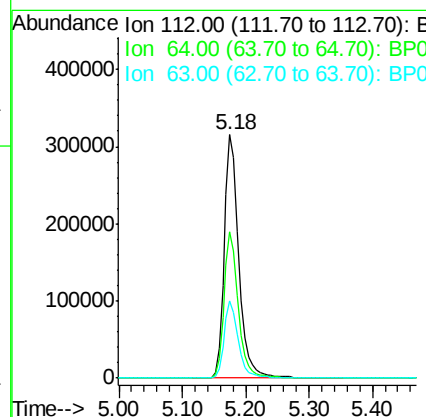
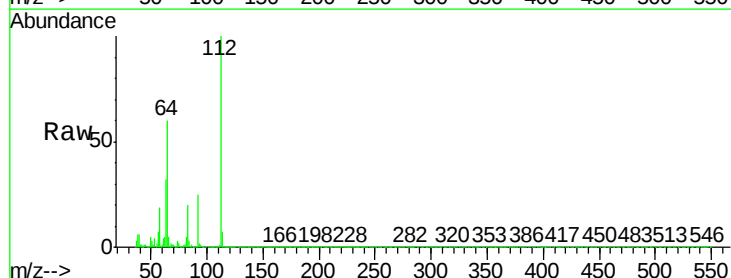
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.7	185.5
115	59.6	47.2	70.8

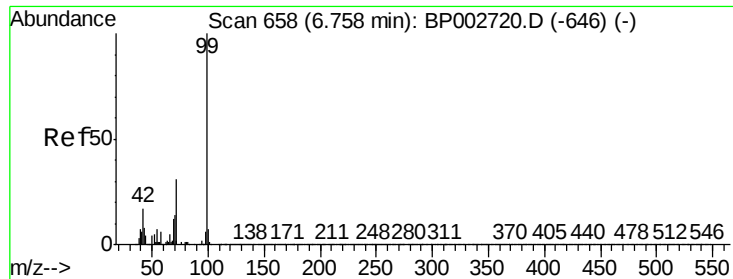


#5

2-Fluorophenol
Concen: 55.559 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	45.6	68.4
63	31.7	23.5	35.3





#7

Phenol-d6

Concen: 52.305 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

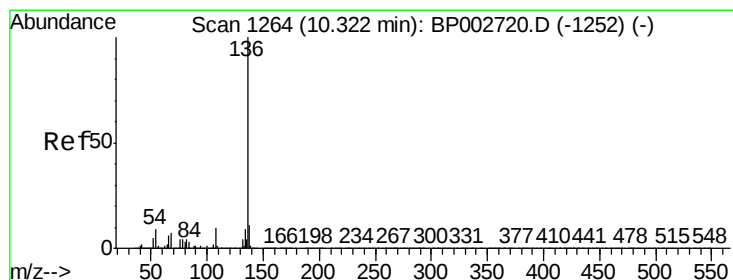
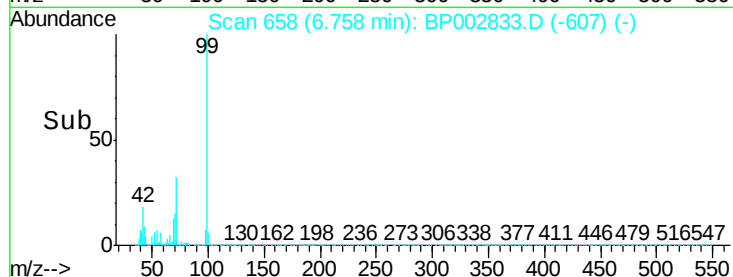
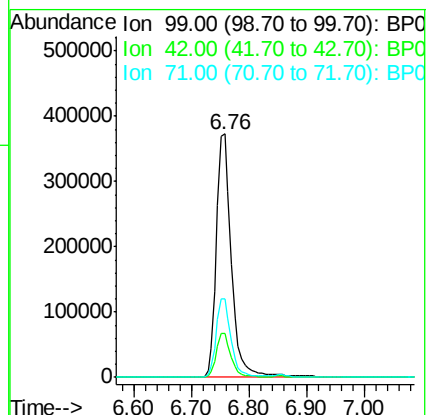
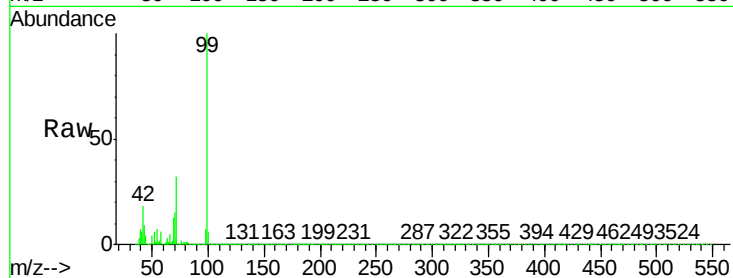
Tot Ion: 99 Resp: 683958

Ion Ratio Lower Upper

99 100

42 18.0 13.4 20.2

71 32.1 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Tgt Ion: 136 Resp: 627204

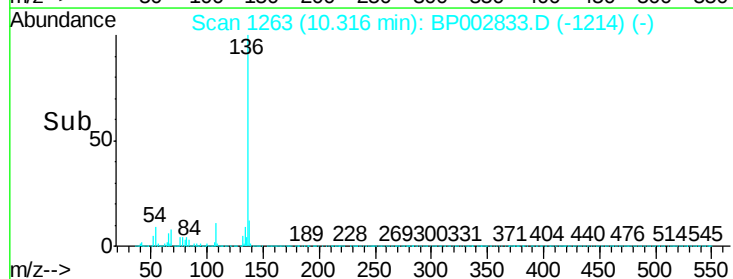
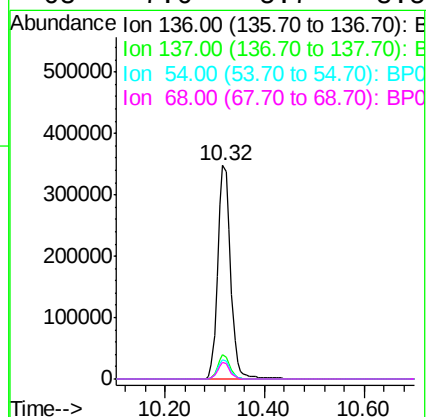
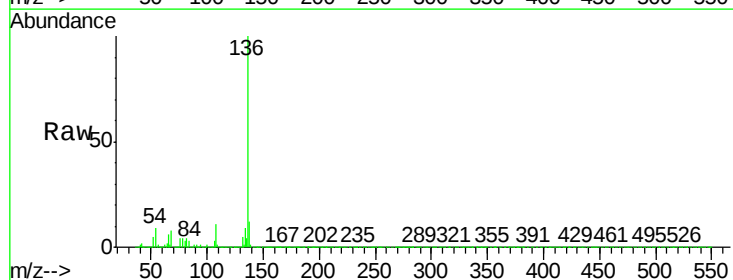
Ion Ratio Lower Upper

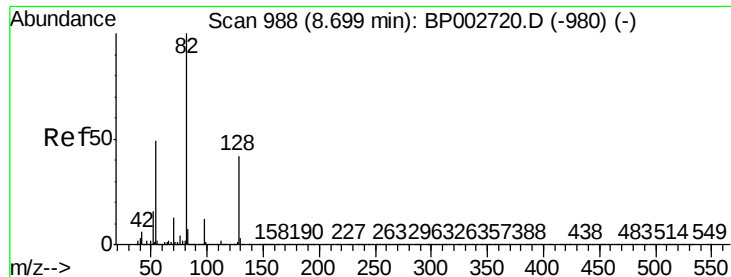
136 100

137 11.5 8.6 13.0

54 9.0 6.9 10.3

68 7.6 5.7 8.5

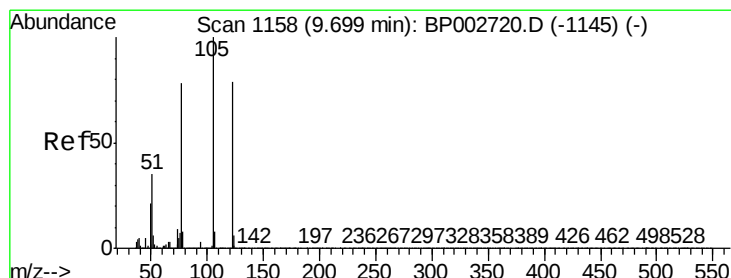
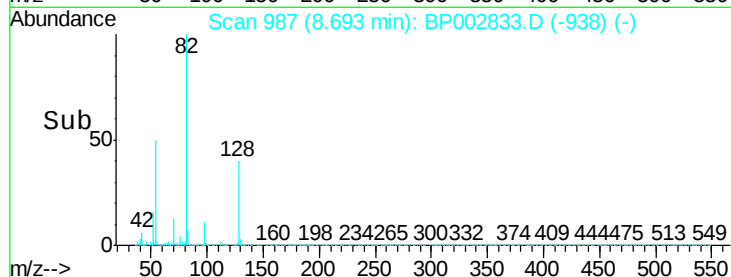
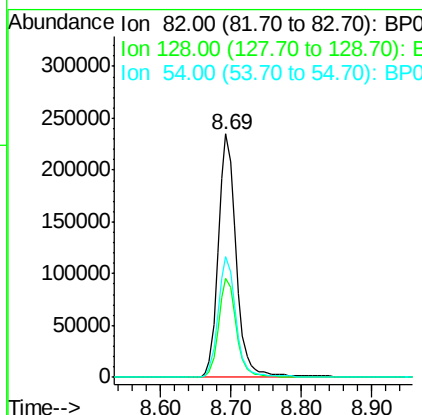
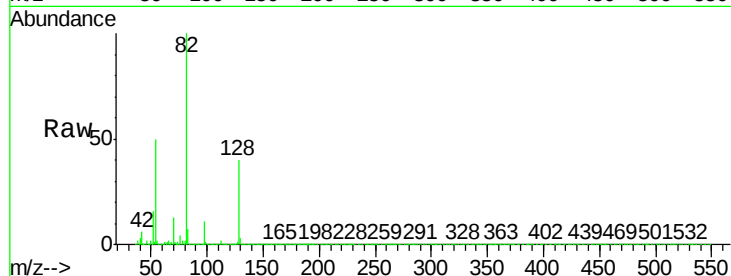




#23
Nitrobenzene-d5
Concen: 35.402 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

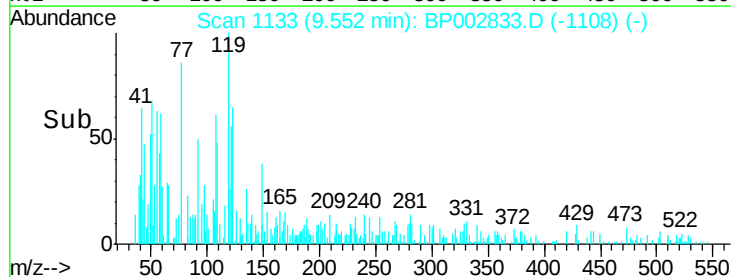
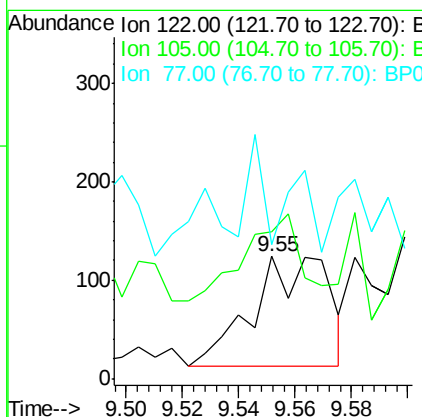
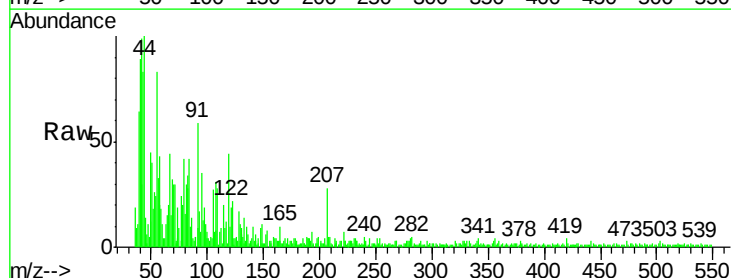
Instrument :
BNA_P
ClientSampleId :

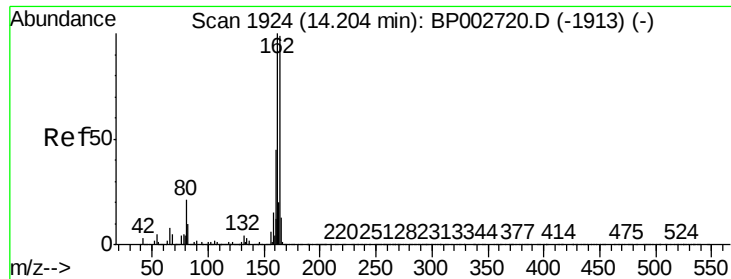
Tot Ion	82	Resp	415165
Ion Ratio	100	Lower	Upper
128	40.5	33.8	50.8
54	49.6	38.8	58.2



#32
Benzoic acid
Concen: 7.088 ng
RT: 9.55 min Scan# 1133
Delta R.T. -0.15 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion	122	Resp	207
Ion Ratio	100	Lower	Upper
105	120.2	105.4	145.4
77	109.7	78.5	118.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

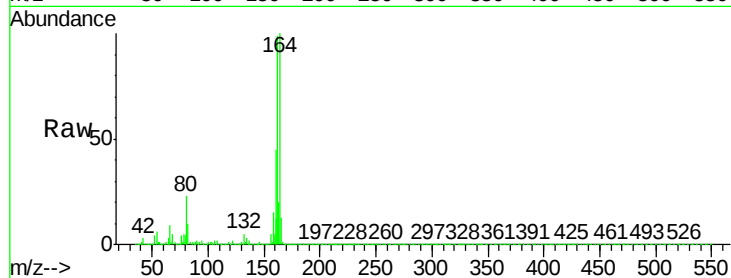
Tot Ion:164 Resp: 376023

Ion Ratio Lower Upper

164 100

162 98.9 80.6 121.0

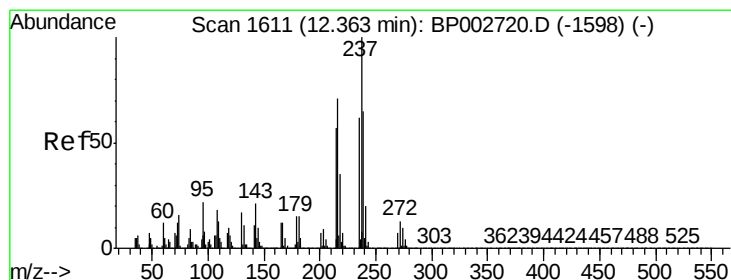
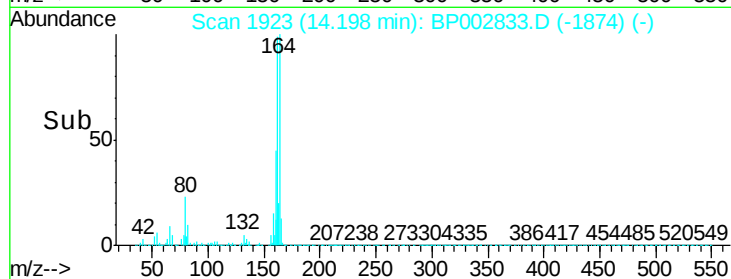
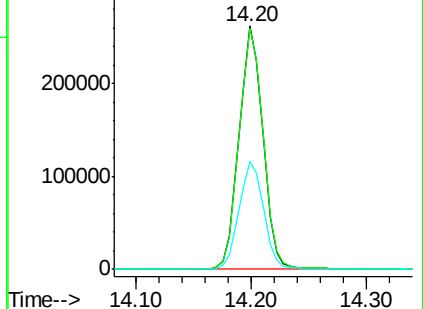
160 44.5 36.4 54.6



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: 7.439 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.02 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

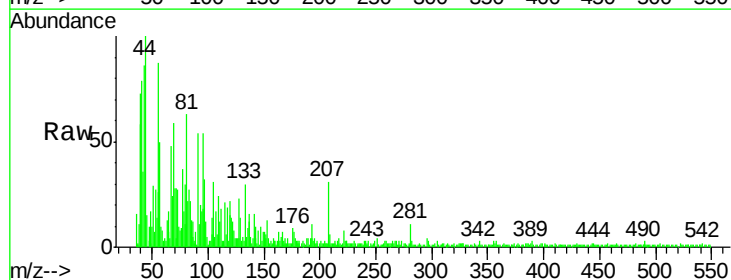
Tgt Ion:237 Resp: 29

Ion Ratio Lower Upper

237 100

235 44.4 42.3 82.3

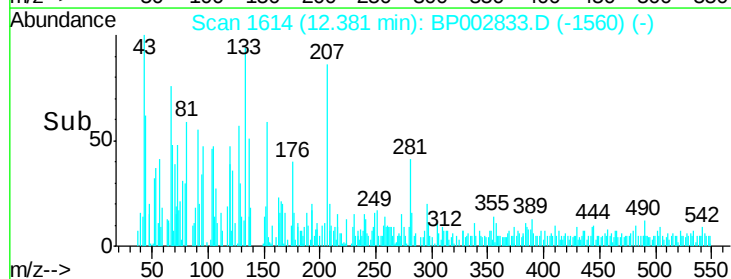
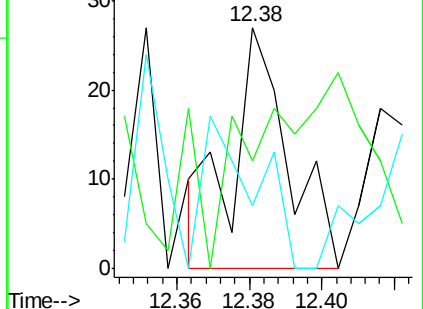
272 25.9 0.0 32.5

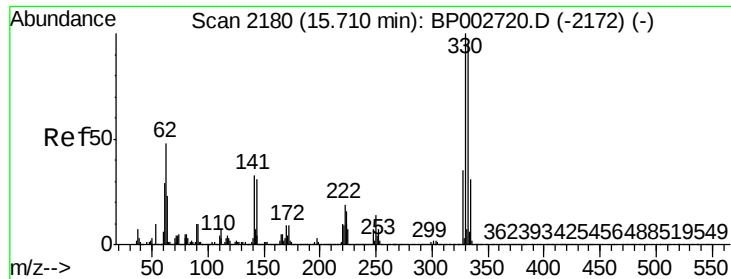


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

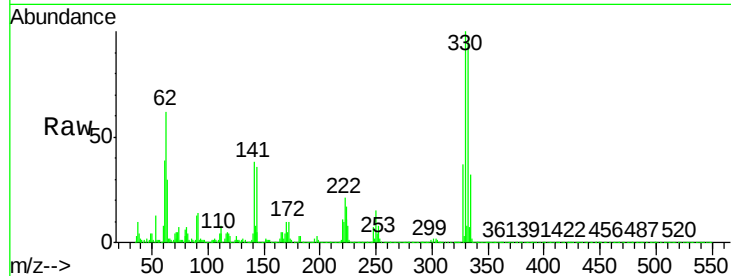




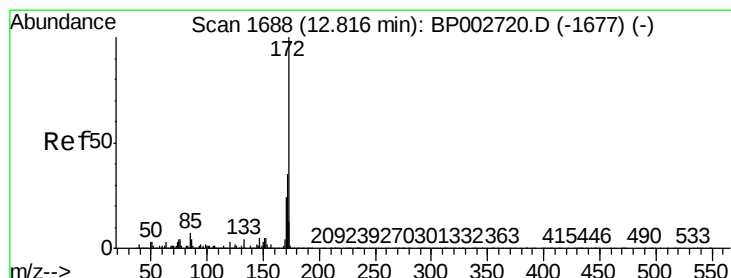
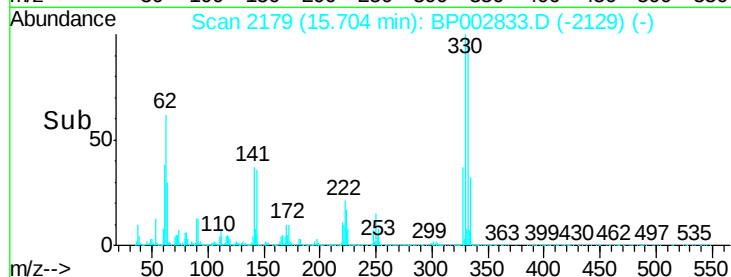
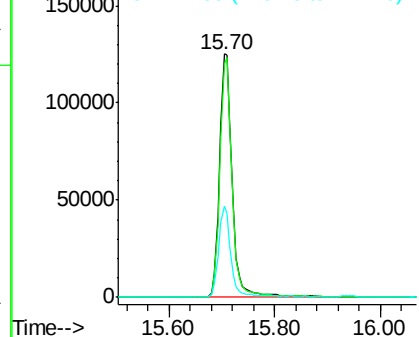
#42
2,4,6-Tribromophenol
Concen: 54.127 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.5	114.7
141	35.6	28.8	43.2

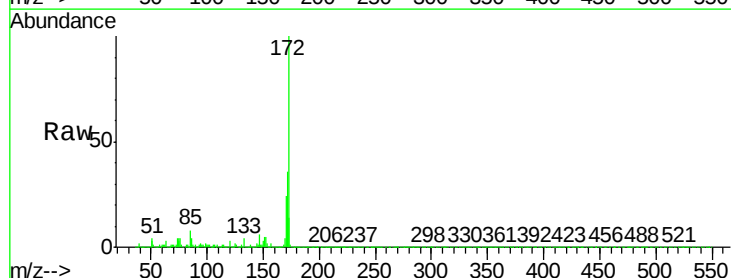


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

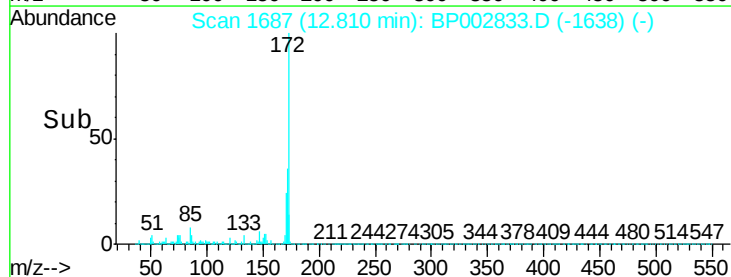
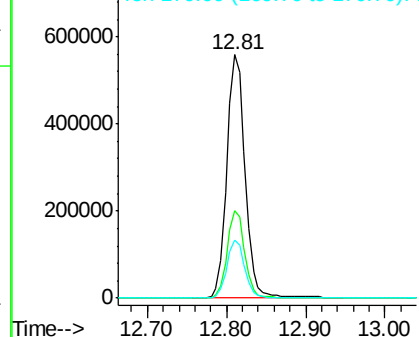


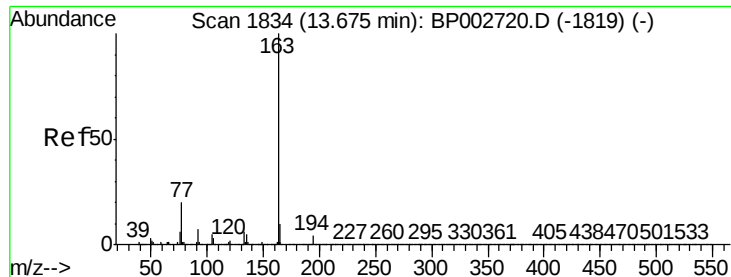
#45
2-Fluorobiphenyl
Concen: 36.776 ng
RT: 12.81 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.1	42.1
170	24.0	19.3	28.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

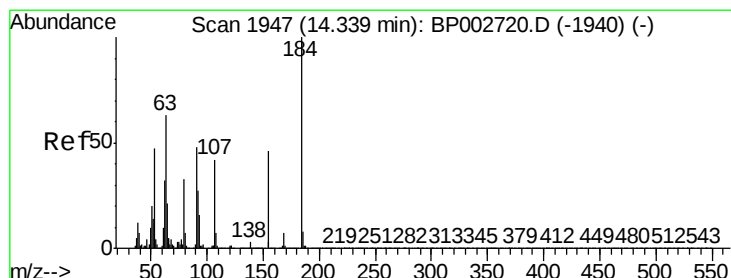
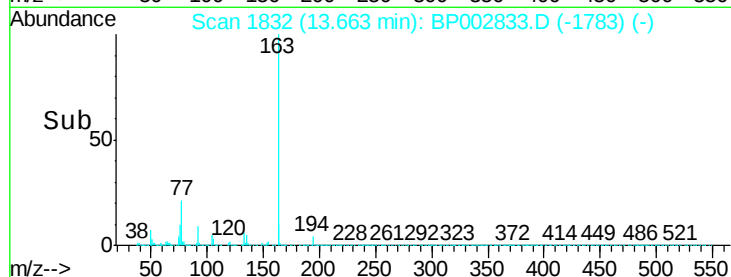
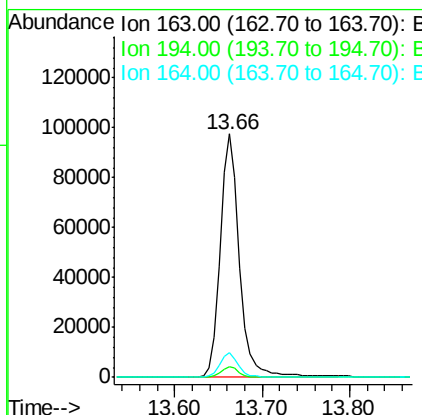
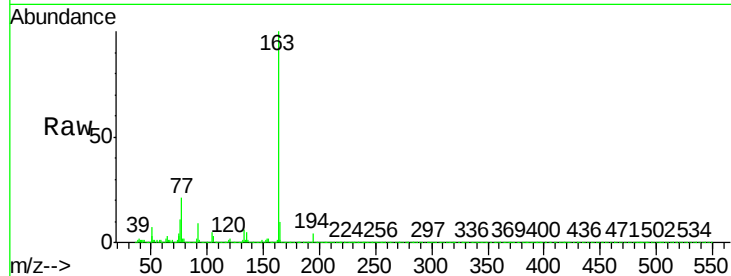




#50
Dimethylphthalate
Concen: 5.143 ng
RT: 13.66 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

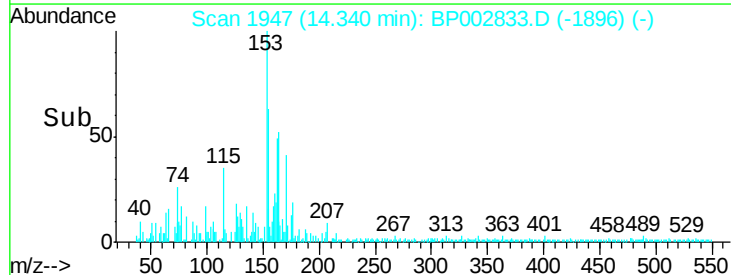
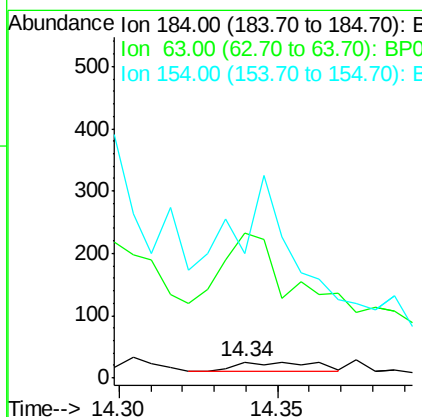
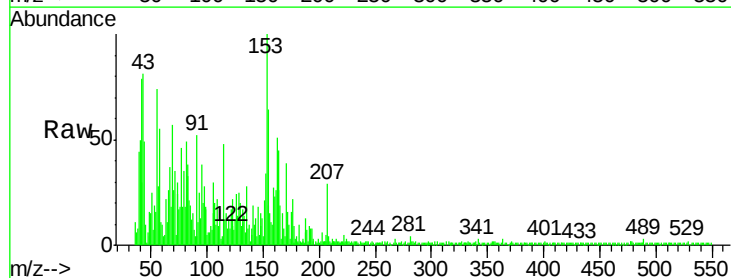
Instrument :
BNA_P
ClientSampleId :

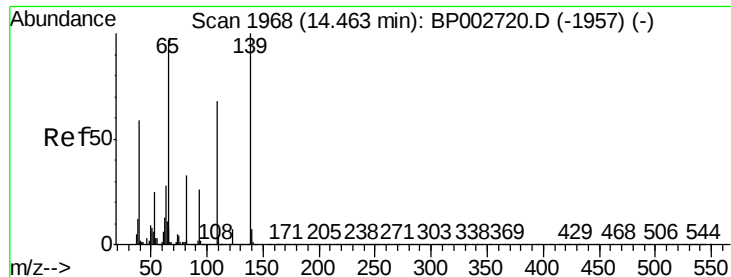
Tot Ion:163 Resp: 147498
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.0 7.8 11.8



#54
2,4-Dinitrophenol
Concen: 11.381 ng
RT: 14.34 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion:184 Resp: 26
Ion Ratio Lower Upper
184 100
63 892.3 51.6 77.4#
154 765.4 45.0 67.6#

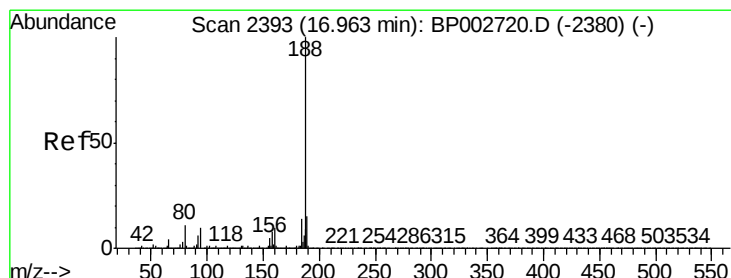
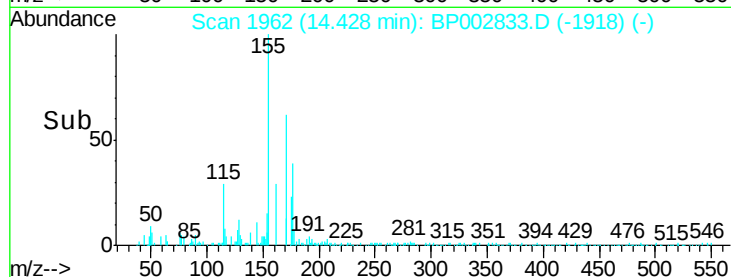
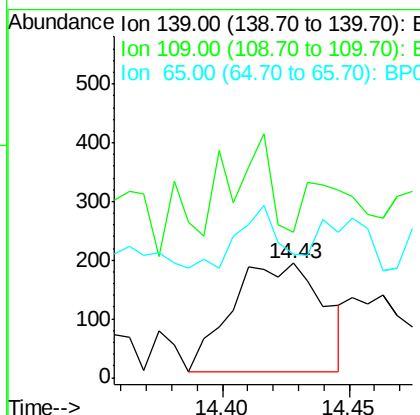
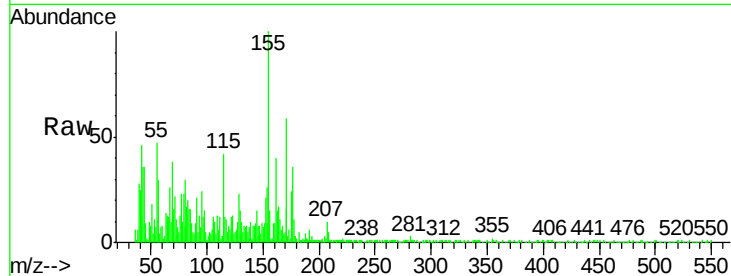




#56
4-Nitrophenol
Concen: 5.052 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.04 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

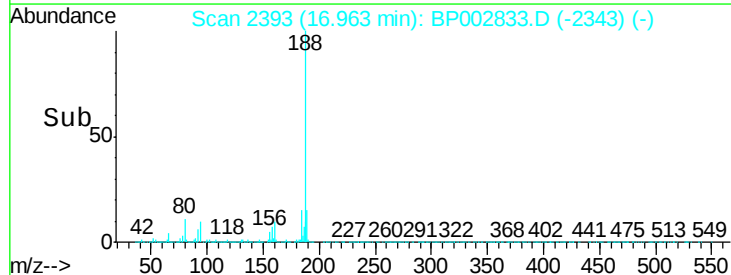
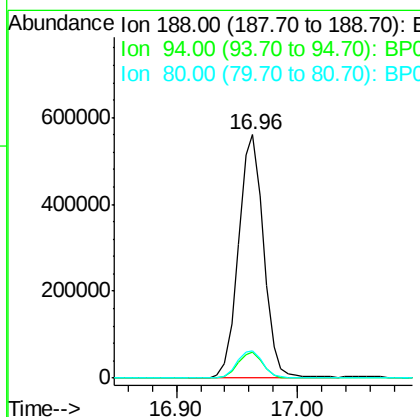
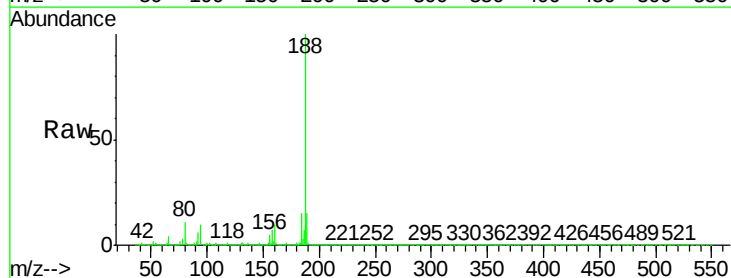
Instrument :
BNA_P
ClientSampled :

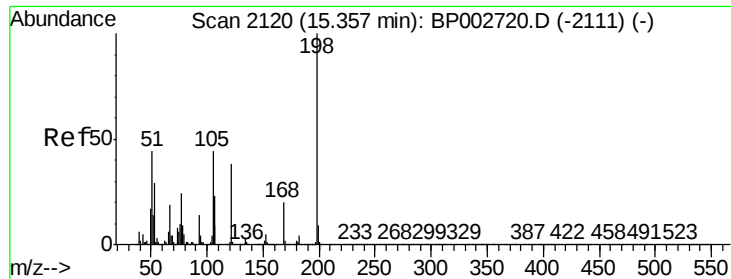
Tot Ion:139 Resp: 468
Ion Ratio Lower Upper
139 100
109 126.7 48.1 88.1#
65 108.2 77.9 117.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion:188 Resp: 814573
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 11.1 8.9 13.3

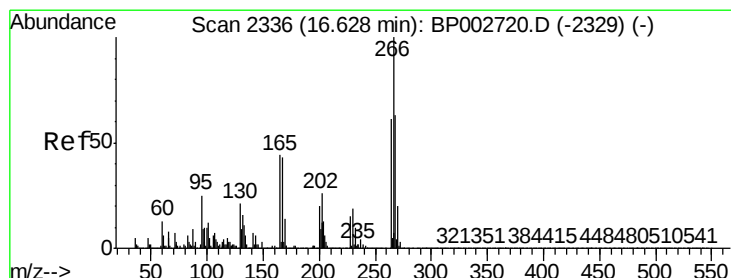
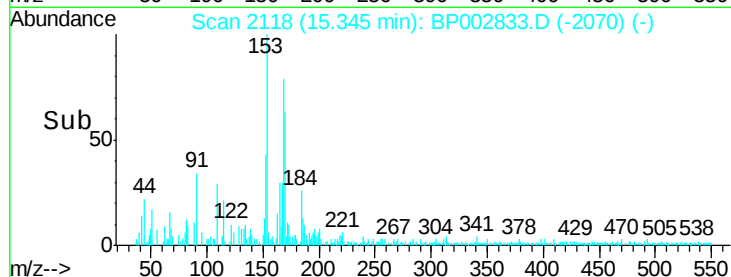
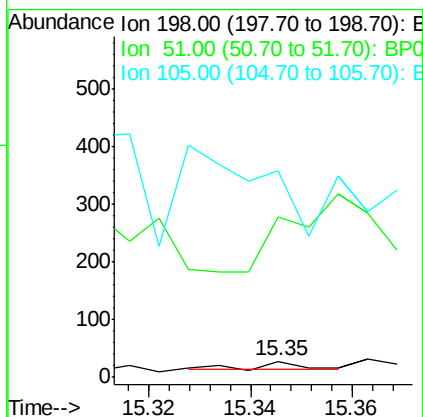
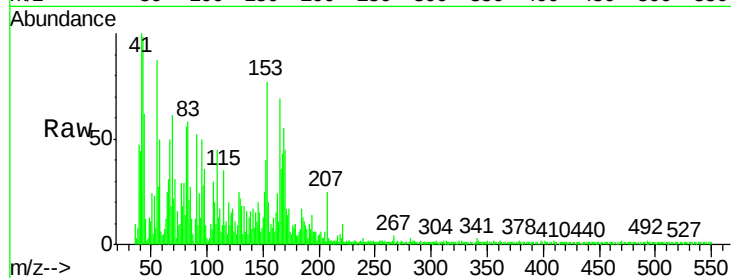




#65
4,6-Dinitro-2-methylphenol
Concen: 5.268 ng
RT: 15.35 min Scan# 2118
Delta R.T. -0.02 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

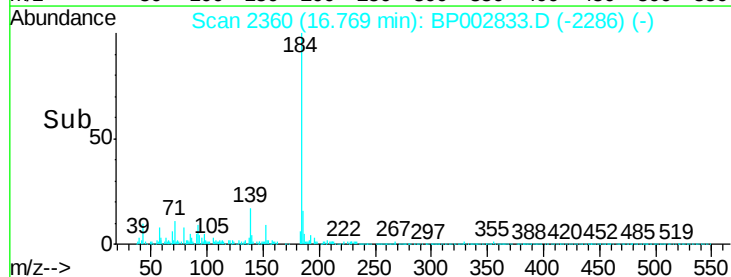
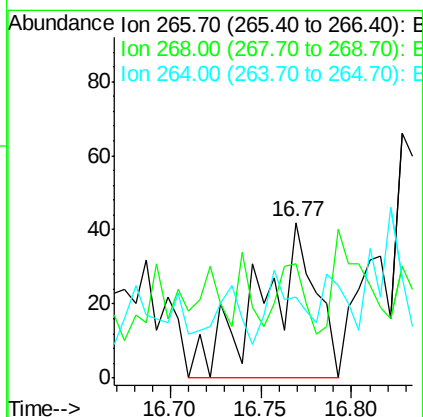
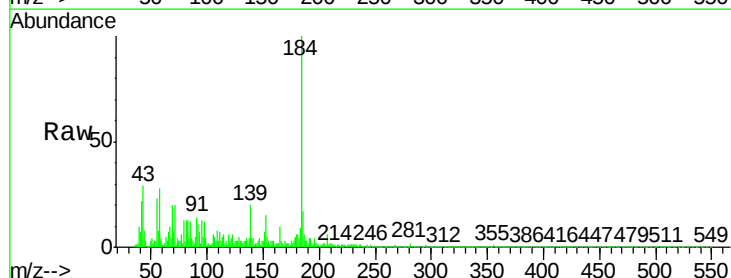
Instrument :
BNA_P
ClientSampled :

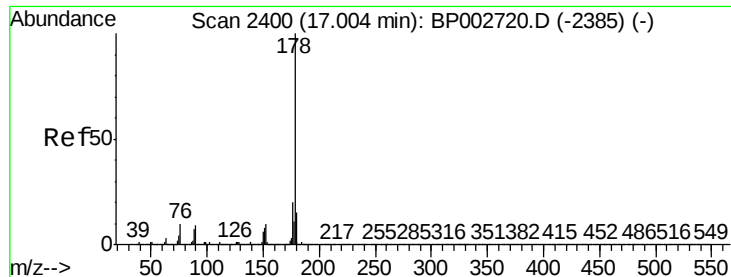
Tot Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
51 996.4 27.1 67.1#
105 1278.6 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.459 ng
RT: 16.77 min Scan# 2360
Delta R.T. 0.14 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion:266 Resp: 89
Ion Ratio Lower Upper
266 100
268 73.8 50.6 75.8
264 52.4 48.6 72.8





#71

Phenanthrene

Concen: 7.395 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

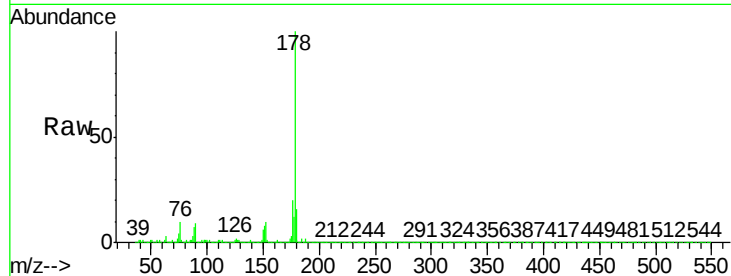
Tot Ion:178 Resp: 326153

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

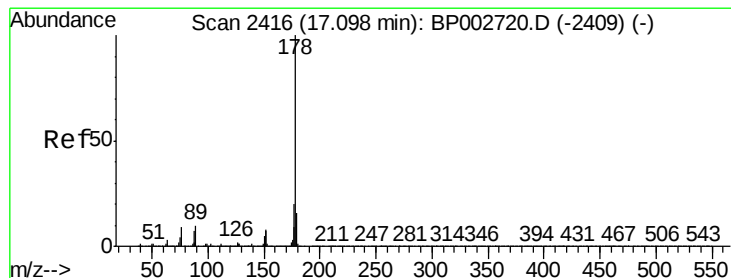
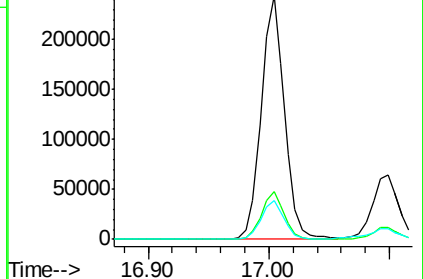
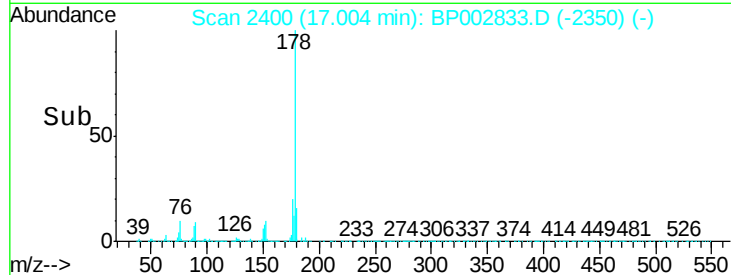
179 15.8 12.3 18.5



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



#72

Anthracene

Concen: 2.154 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

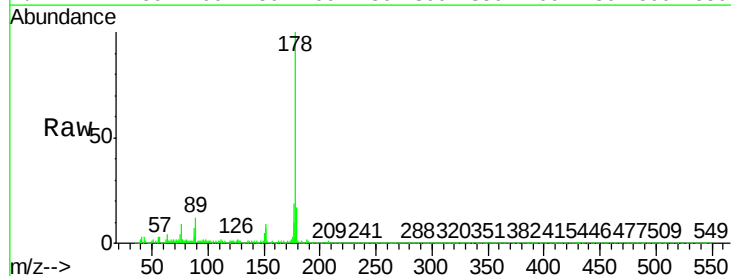
Tgt Ion:178 Resp: 93223

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

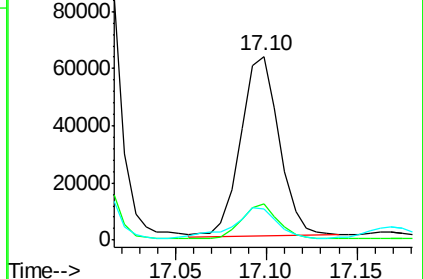
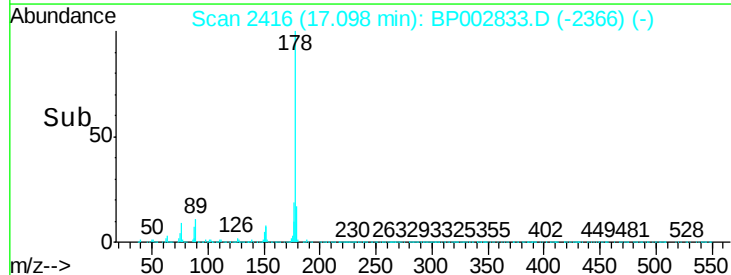
179 16.8 12.6 19.0

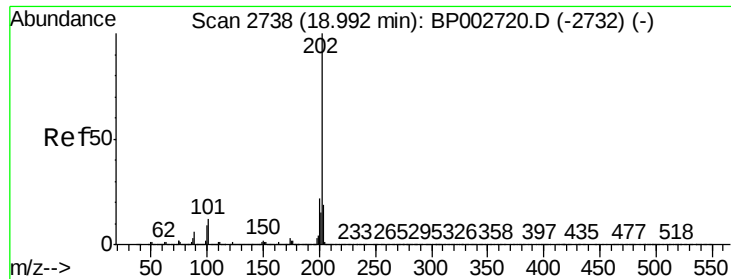


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.567 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

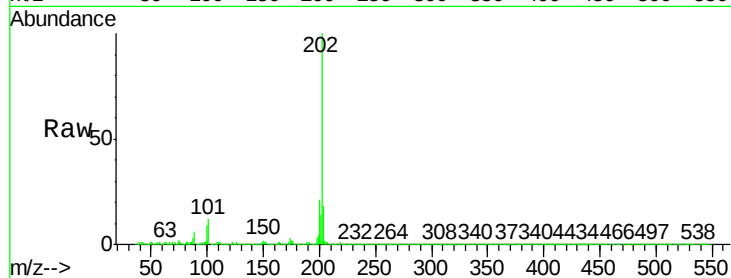
Tot Ion:202 Resp: 488934

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.5

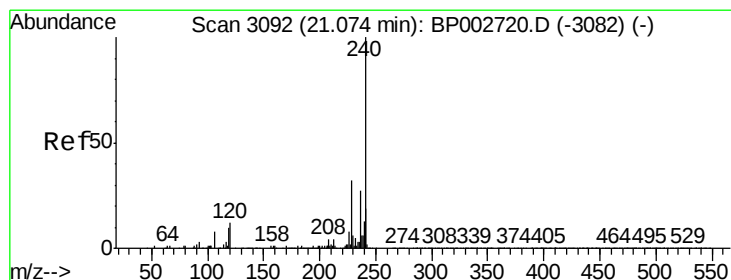
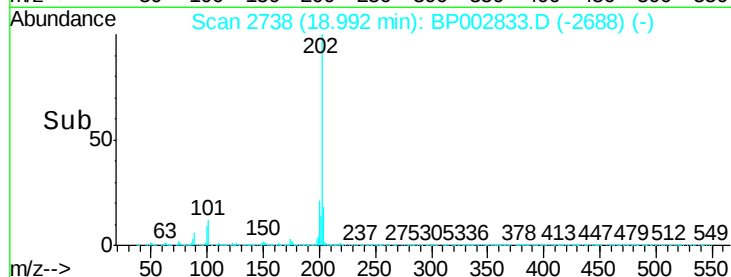
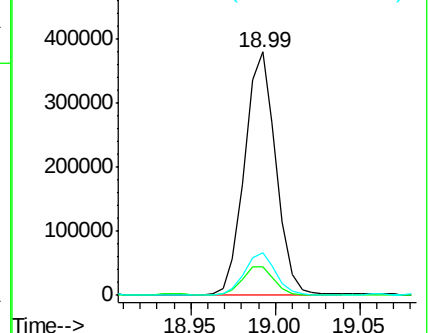
203 17.8 0.0 38.6



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: 21.07 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

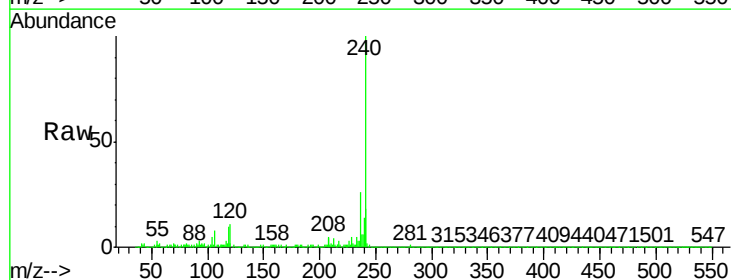
Tgt Ion:240 Resp: 657206

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

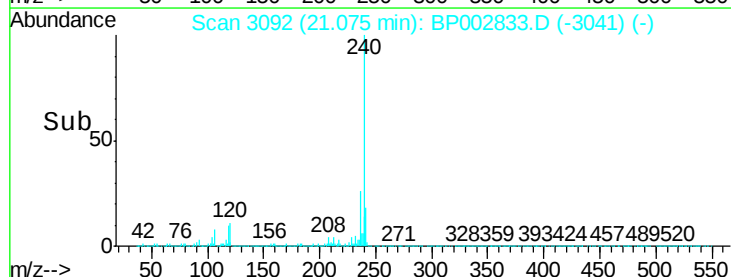
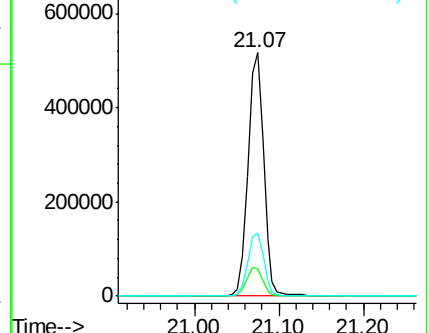
236 26.0 21.3 31.9

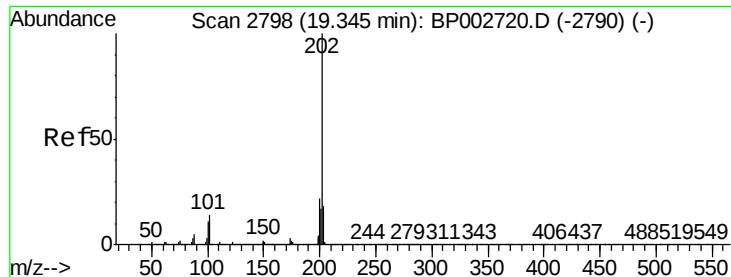


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

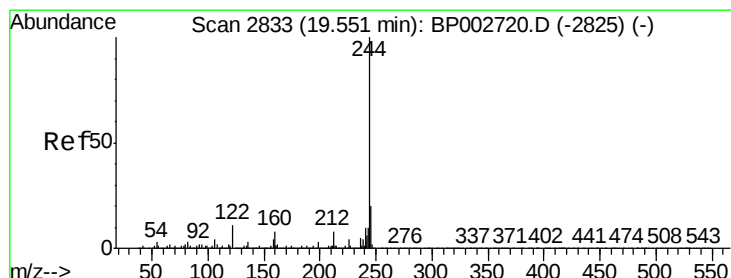
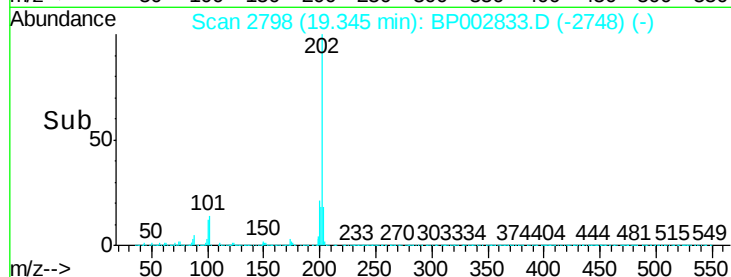
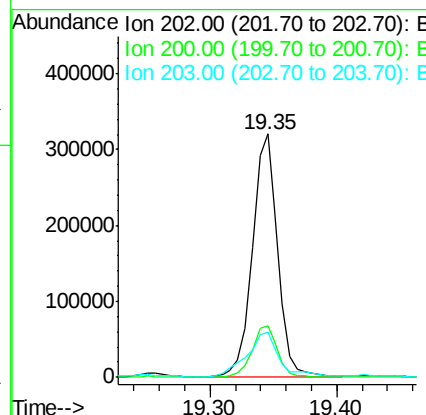
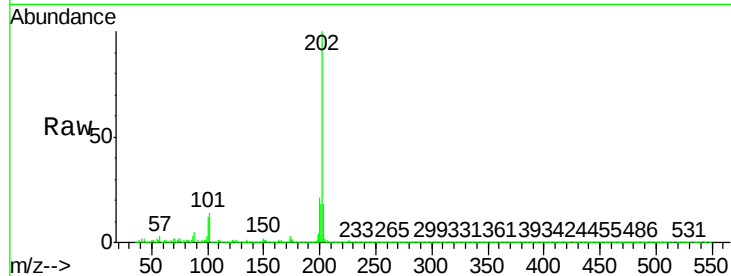




#78
Pvrene
Concen: 9.731 ng
RT: 19.35 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

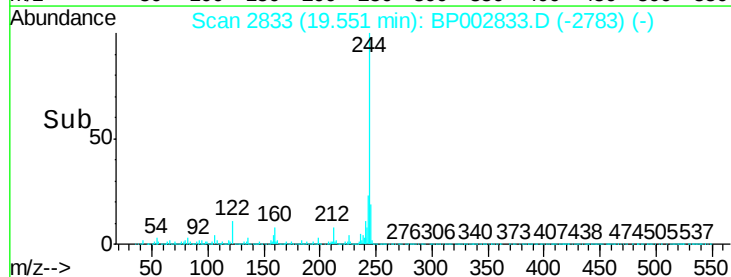
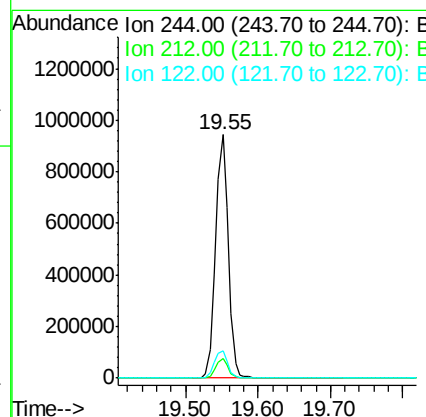
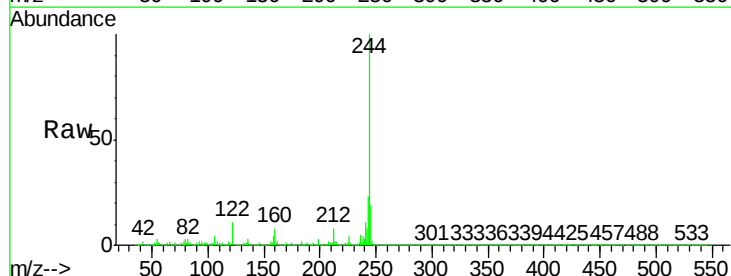
Instrument :
BNA_P
ClientSampleId :

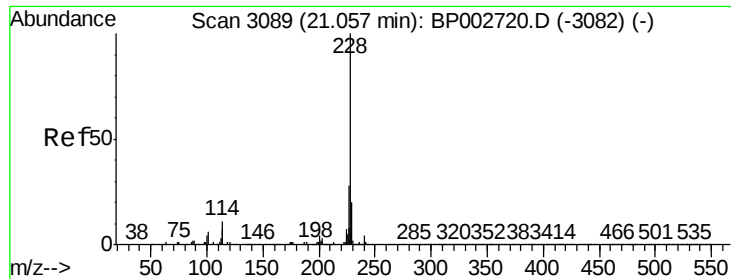
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.7	26.5
203	18.5	14.5	21.7



#79
Terphenyl-d14
Concen: 40.159 ng
RT: 19.55 min Scan# 2833
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	11.3	8.9	13.3

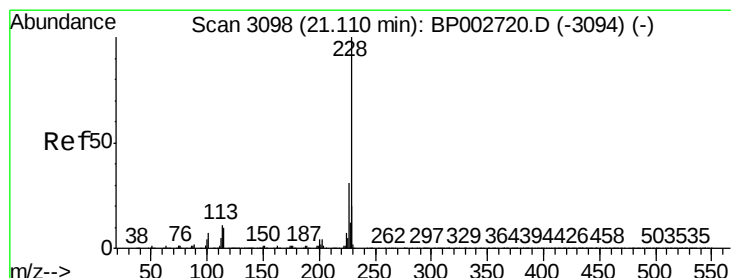
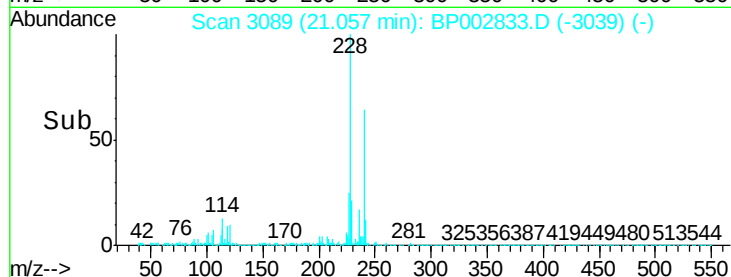
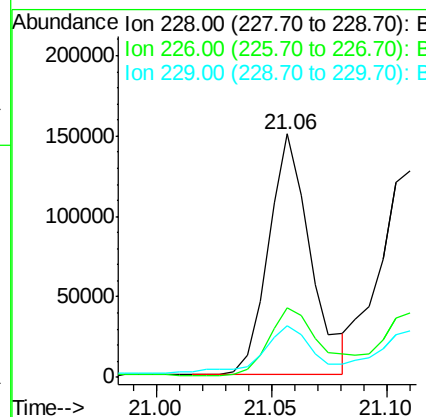
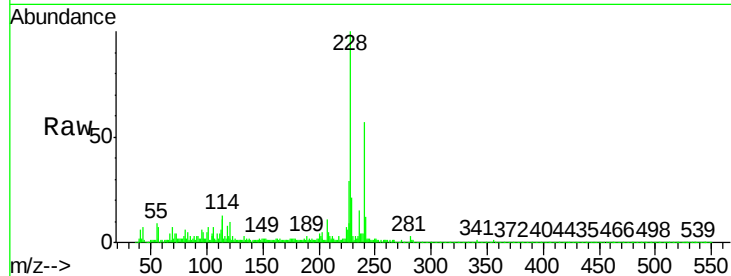




#81
Benzo(a)anthracene
Concen: 4.436 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

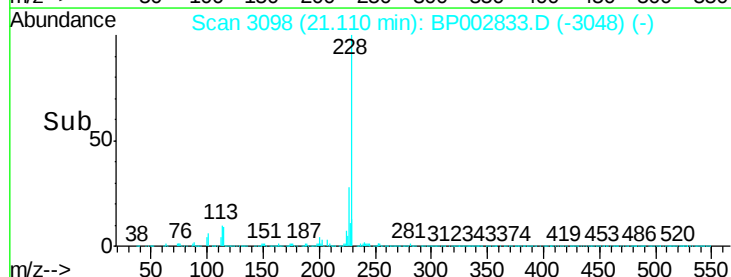
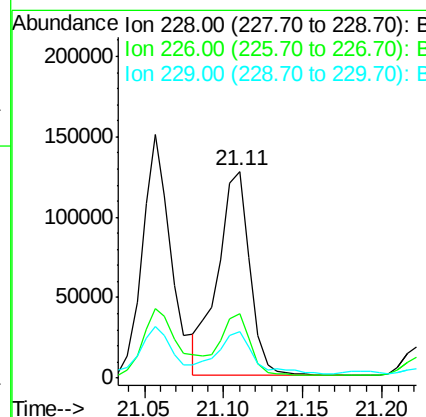
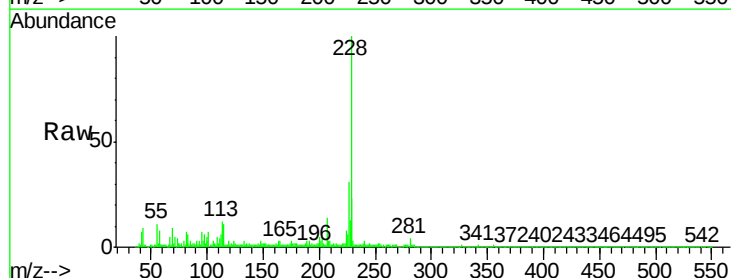
Instrument :
BNA_P
ClientSampleId :

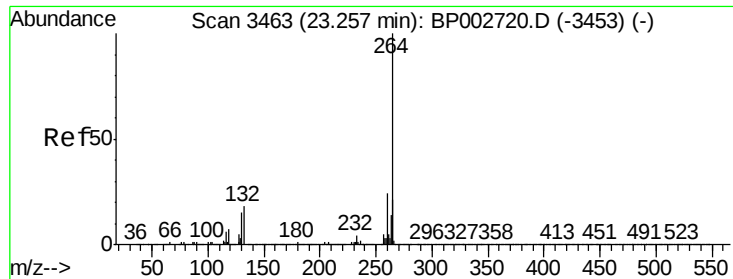
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	21.1	16.0	24.0



#83
Chrysene
Concen: 4.422 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	22.8	15.7	23.5



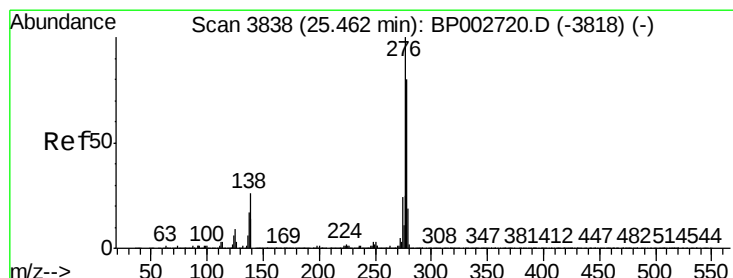
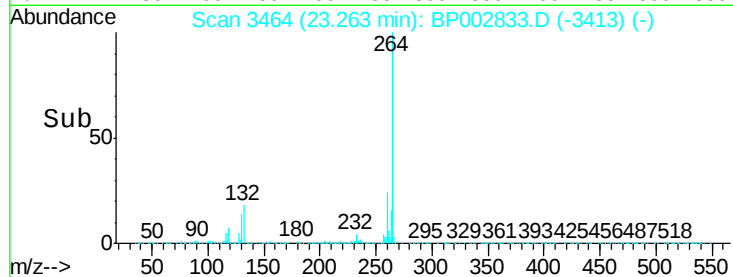
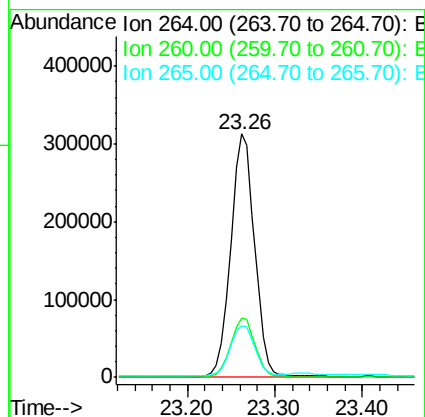
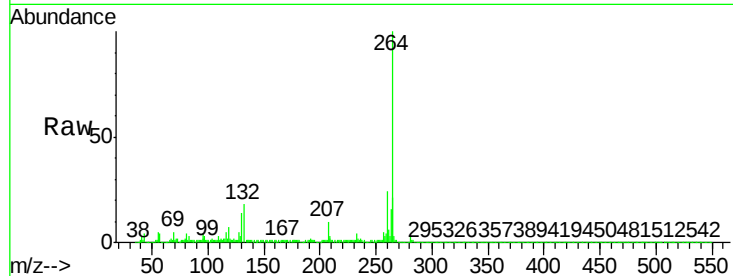


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 578288

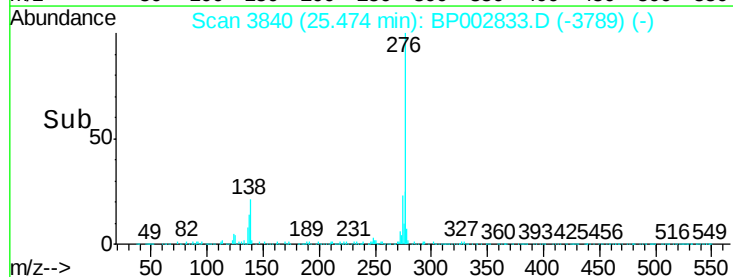
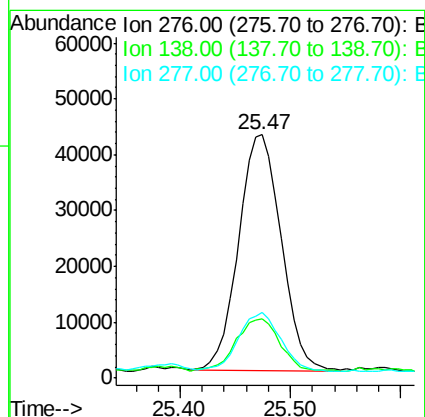
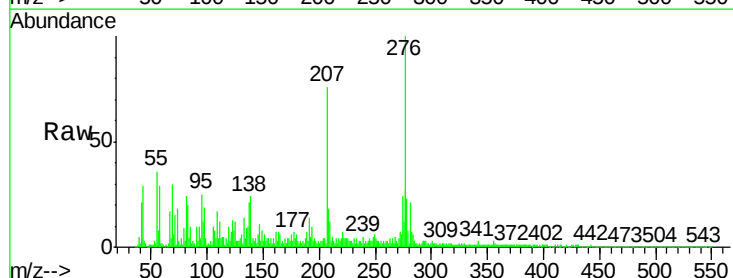
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	21.2	16.8	25.2

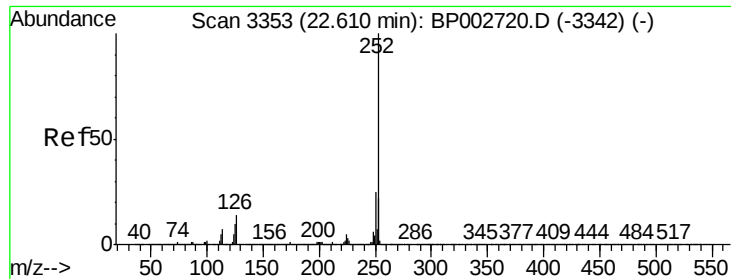


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.761 ng
RT: 25.47 min Scan# 3840
Delta R.T. 0.00 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion:276 Resp: 115389

Ion	Ratio	Lower	Upper
276	100		
138	22.8	20.8	31.2
277	24.3	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 6.506 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BP002833.D

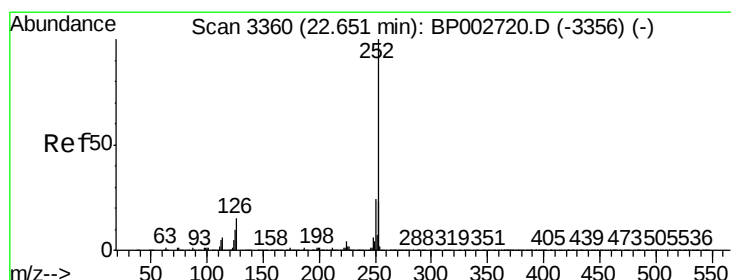
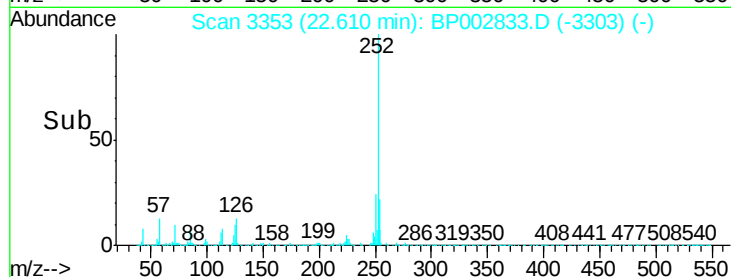
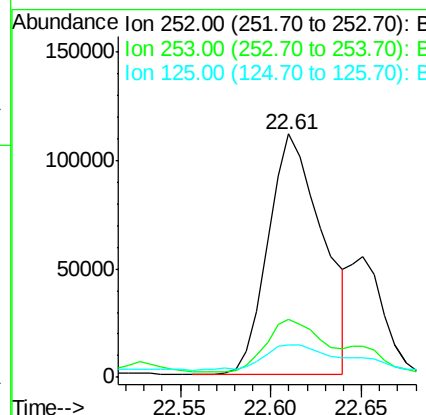
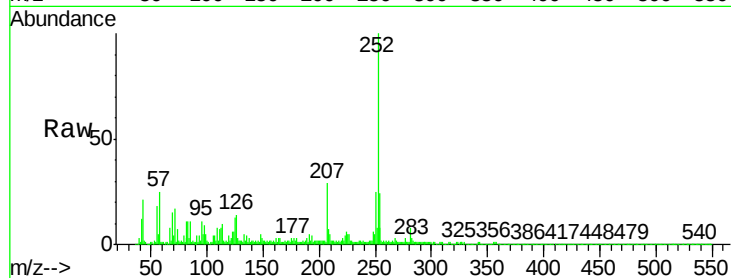
Acq: 22 Jul 2020 19:49

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252	Resp:	233634
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.7 26.5
125	13.5	8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 6.606 ng

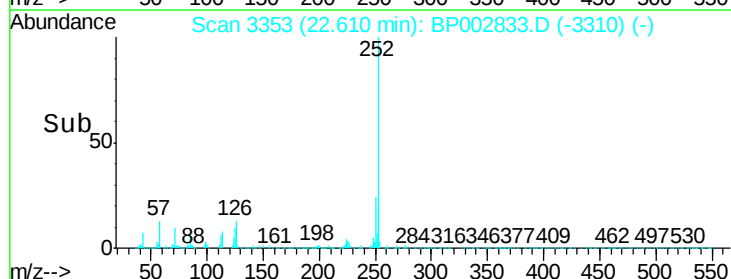
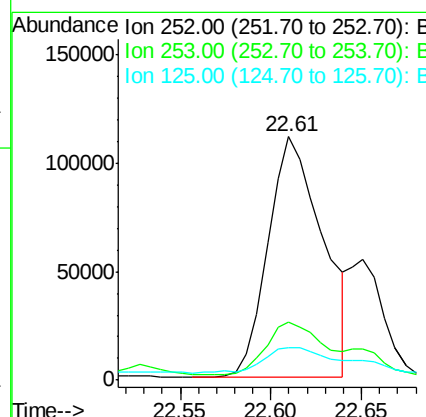
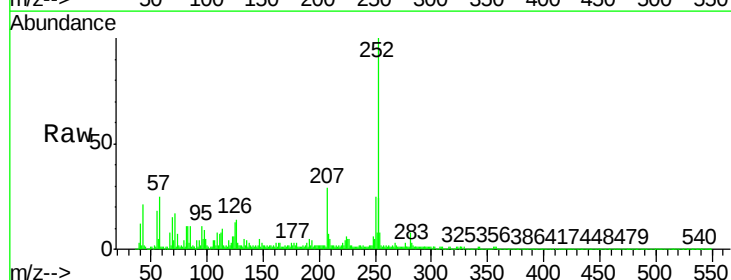
RT: 22.61 min Scan# 3353

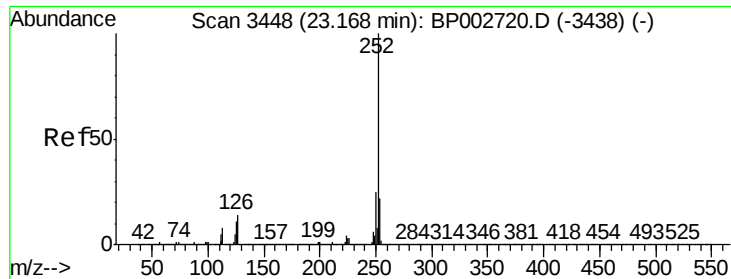
Delta R.T. -0.05 min

Lab File: BP002833.D

Acq: 22 Jul 2020 19:49

Tgt Ion:252	Resp:	233634
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.8 26.8
125	13.5	8.3 12.5#

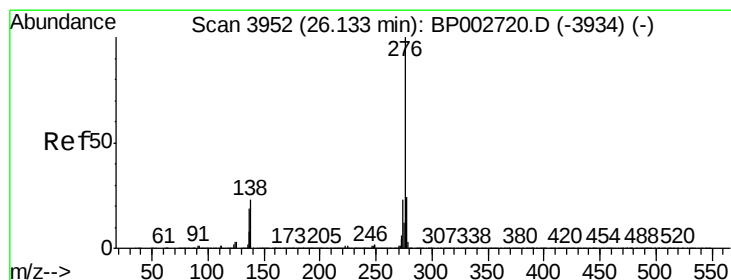
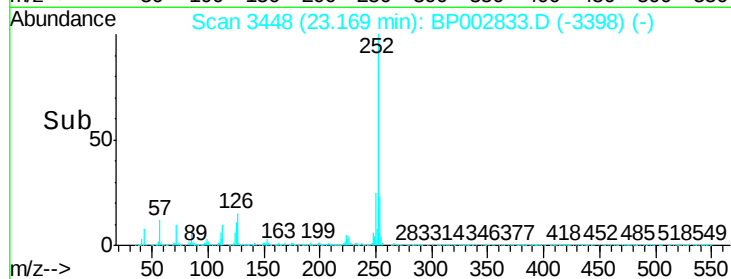
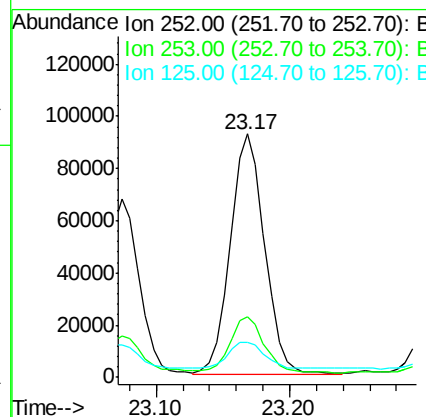
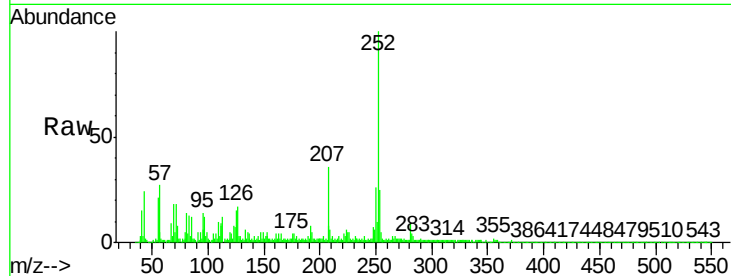




#90
Benzo(a)pyrene
Concen: 4.847 ng
RT: 23.17 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 164942
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 14.5 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 3.563 ng
RT: 26.14 min Scan# 3954
Delta R.T. 0.00 min
Lab File: BP002833.D
Acq: 22 Jul 2020 19:49

Tgt Ion:276 Resp: 121757
Ion Ratio Lower Upper
276 100
277 26.2 19.1 28.7
138 25.9 18.3 27.5

