

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
 Data File : BP002781.D
 Acq On : 16 Jul 2020 20:11
 Operator : CG/JU
 Sample : L3304-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-058-A

Quant Time: Jul 17 00:30:14 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	245720	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	1012050	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	552039	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	950370	20.00	ng	0.00
76) Chrysene-d12	21.07	240	619042	20.00	ng	0.00
86) Perylene-d12	23.27	264	595924	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	780719	53.61	ng	0.00
7) Phenol-d6	6.76	99	1076328	51.78	ng	0.00
23) Nitrobenzene-d5	8.70	82	698083	36.89	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	260148	45.15	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1349945	37.83	ng	0.00
79) Terphenyl-d14	19.56	244	1072037	39.70	ng	0.00

Target Compounds

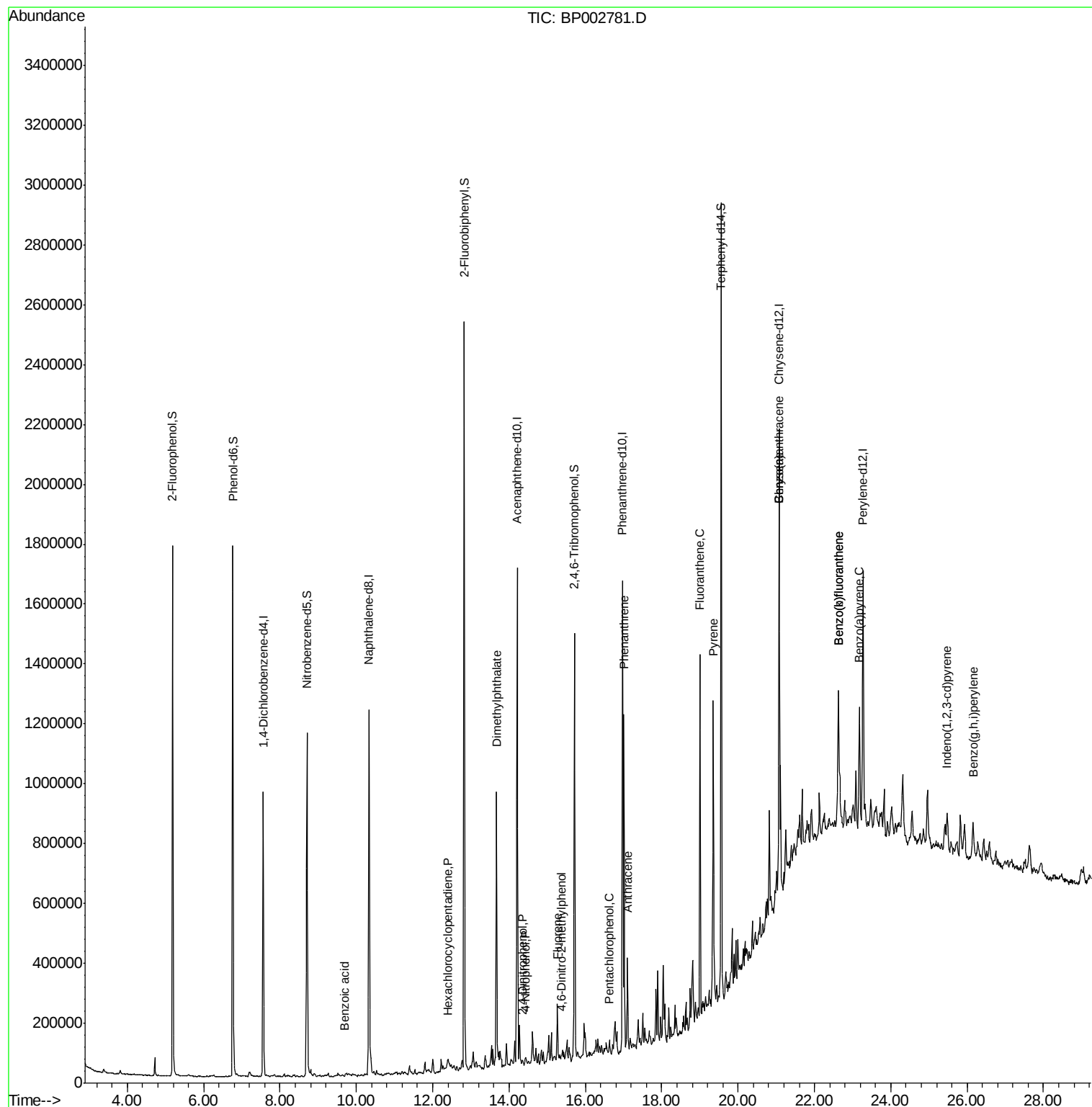
						Qvalue
32) Benzoic acid	9.69	122	121	7.071	ng	# 1
41) Hexachlorocyclopentadiene	12.38	237	98	7.446	ng	94
50) Dimethylphthalate	13.67	163	598154	14.208	ng	100
54) 2,4-Dinitrophenol	14.35	184	46	11.382	ng	# 1
56) 4-Nitrophenol	14.42	139	1271	5.119	ng	# 37
58) Fluorene	15.27	166	80022	2.141	ng	99
65) 4,6-Dinitro-2-methylphenol	15.36	198	42	5.273	ng	# 1
70) Pentachlorophenol	16.61	266	97	7.458	ng	98
71) Phenanthrene	17.02	178	655646	12.742	ng	100
72) Anthracene	17.10	178	178872	3.542	ng	98
75) Fluoranthene	19.00	202	681967	11.438	ng	99
78) Pyrene	19.35	202	605088	14.157	ng	98
81) Benzo(a)anthracene	21.06	228	271309	6.770	ng	97
83) Chrysene	21.06	228	271309	7.113	ng	97
87) Indeno(1,2,3-cd)pyrene	25.48	276	129995	3.018	ng	97
88) Benzo(b)fluoranthene	22.62	252	360289	9.737	ng	# 88
89) Benzo(k)fluoranthene	22.62	252	360289	9.885	ng	# 88
90) Benzo(a)pyrene	23.17	252	203366	5.800	ng	# 92
92) Benzo(a,h,i)perylene	26.16	276	131449	3.732	ng	94

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

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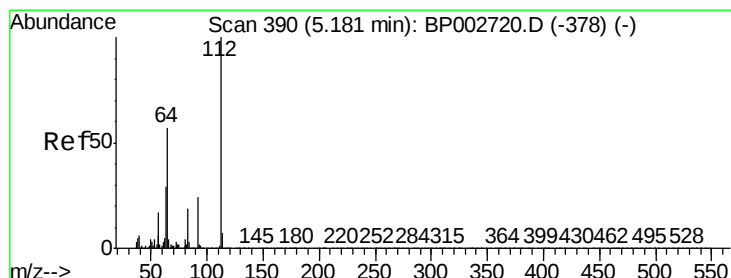
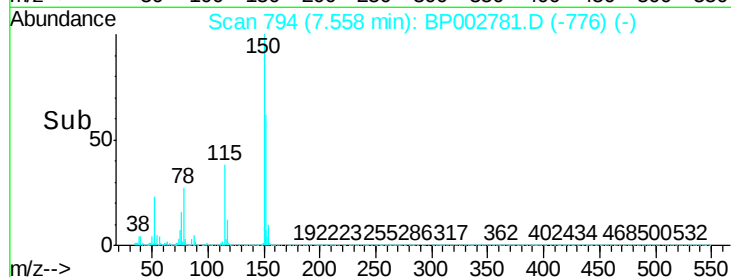
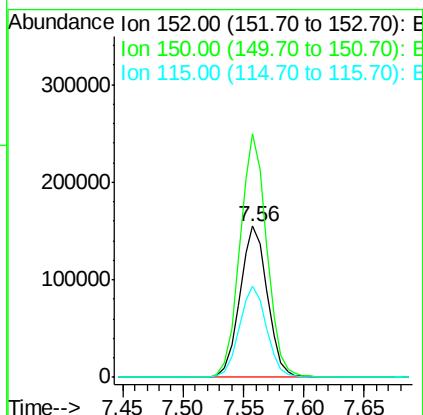
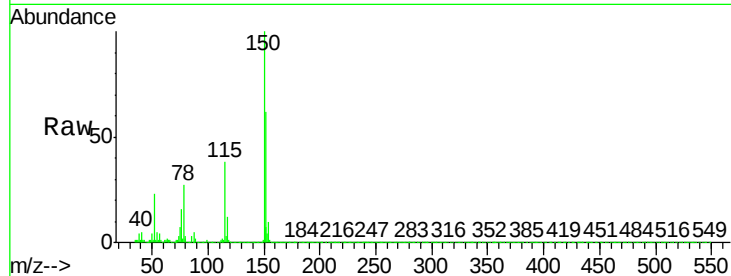


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-A

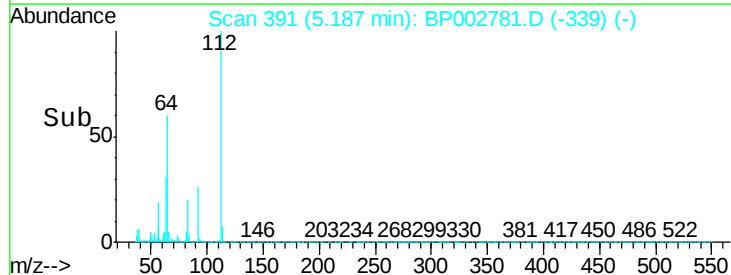
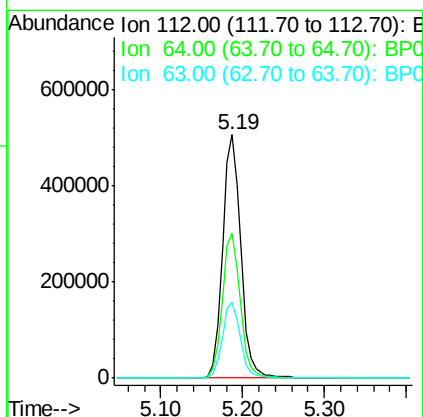
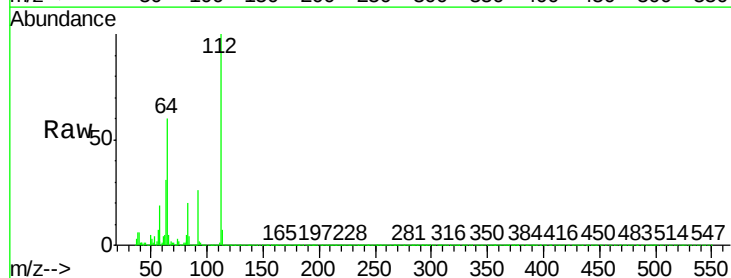
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	123.7	185.5
115	60.8	47.2	70.8

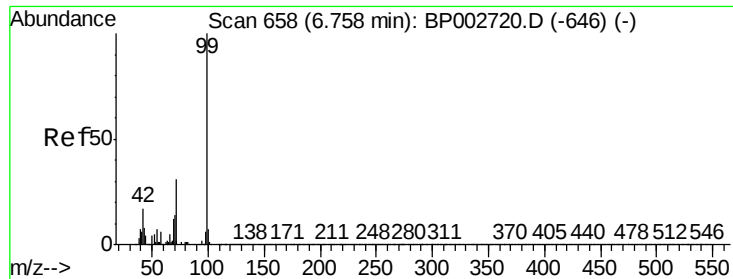


#5

2-Fluorophenol
Concen: 53.606 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	45.6	68.4
63	31.1	23.5	35.3





#7

Phenol-d6

Concen: 51.784 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

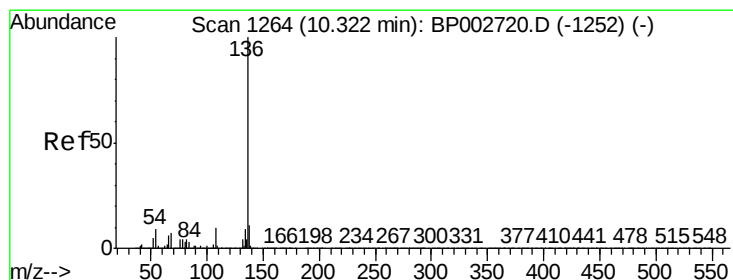
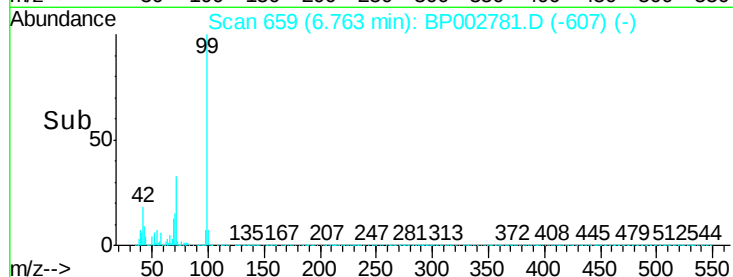
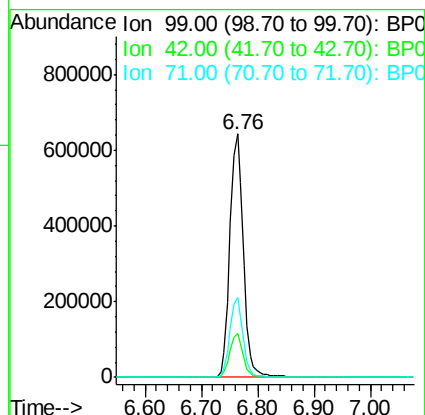
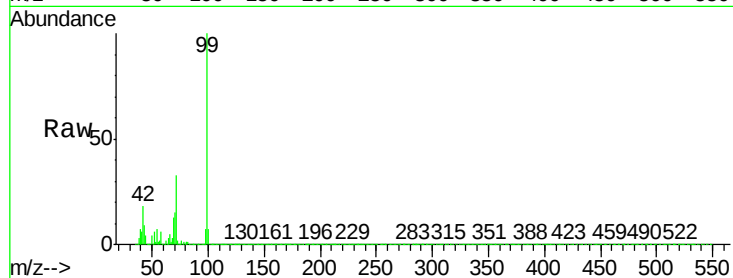
Tot Ion: 99 Resp: 1076328

Ion Ratio Lower Upper

99 100

42 18.2 13.4 20.2

71 32.8 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: BP002781.D

Acq: 16 Jul 2020 20:11

Tgt Ion: 136 Resp: 1012050

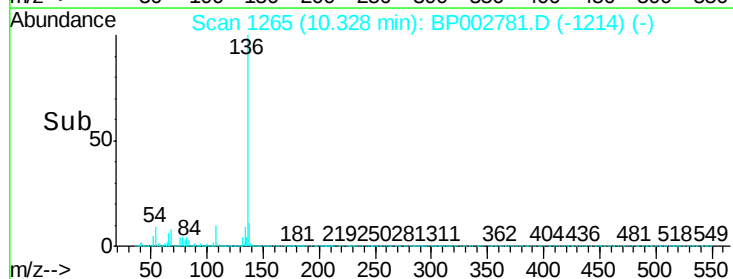
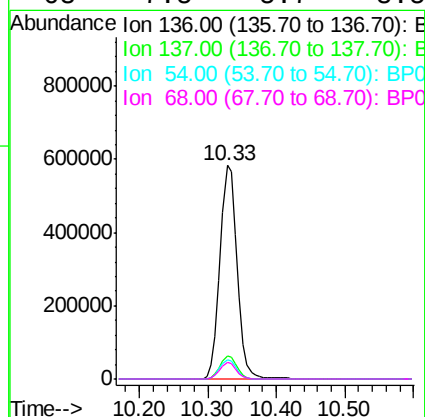
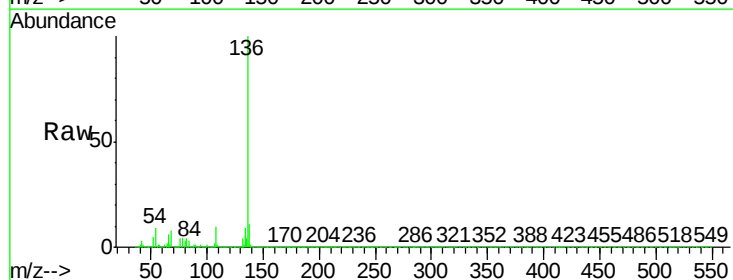
Ion Ratio Lower Upper

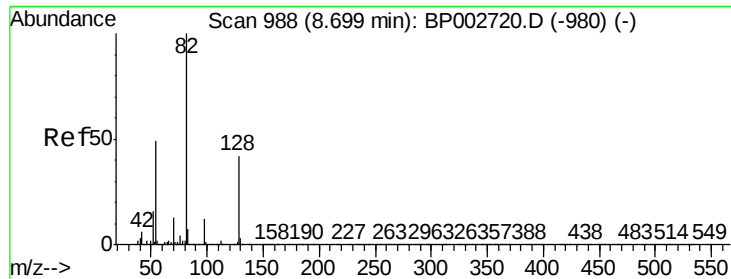
136 100

137 10.9 8.6 13.0

54 8.9 6.9 10.3

68 7.5 5.7 8.5

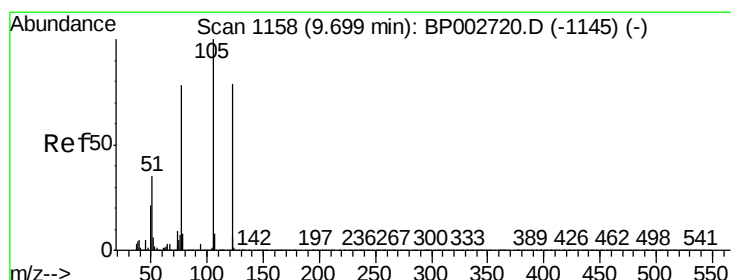
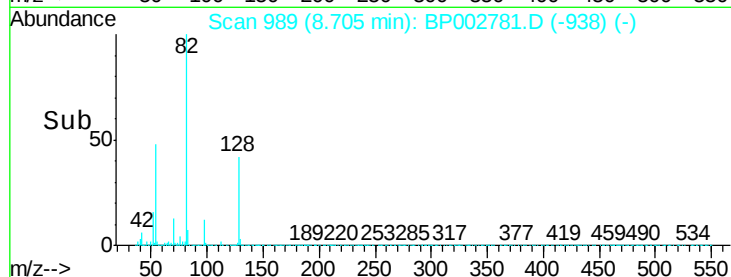
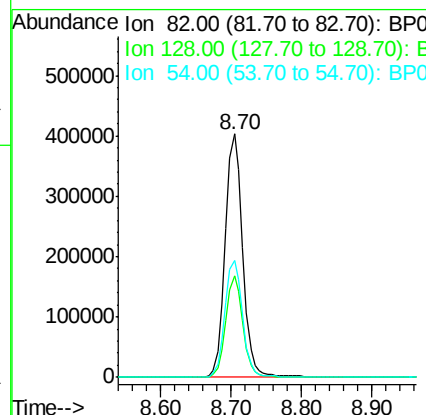
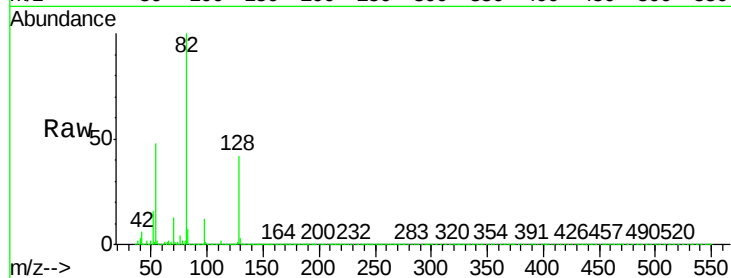




#23
Nitrobenzene-d5
Concen: 36.891 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

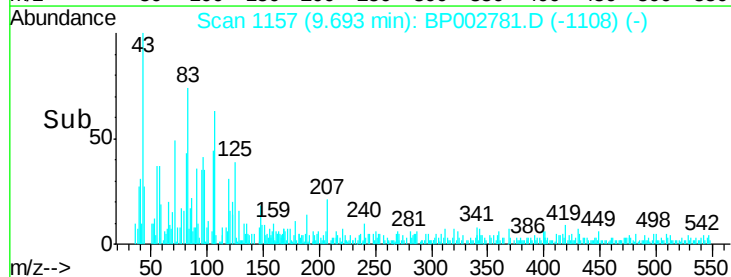
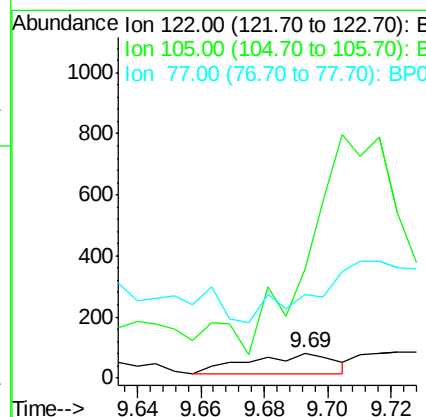
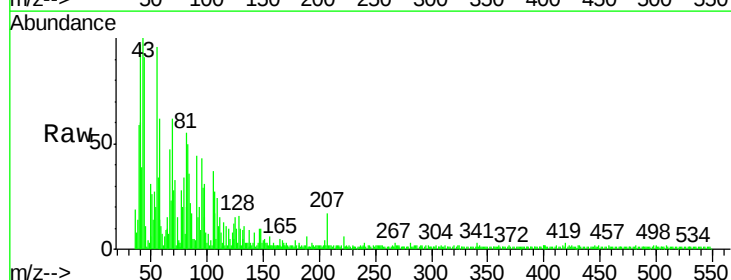
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-A

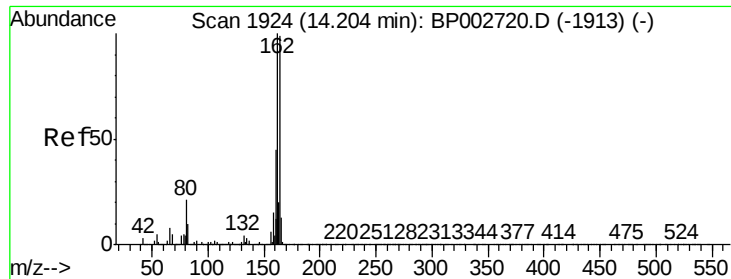
Tot Ion	82	Resp	698083
Ion Ratio	Lower	Upper	
82	100		
128	41.9	33.8	50.8
54	48.2	38.8	58.2



#32
Benzoic acid
Concen: 7.071 ng
RT: 9.69 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Tgt Ion	122	Resp	121
Ion Ratio	Lower	Upper	
122	100		
105	437.8	105.4	145.4#
77	332.9	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: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

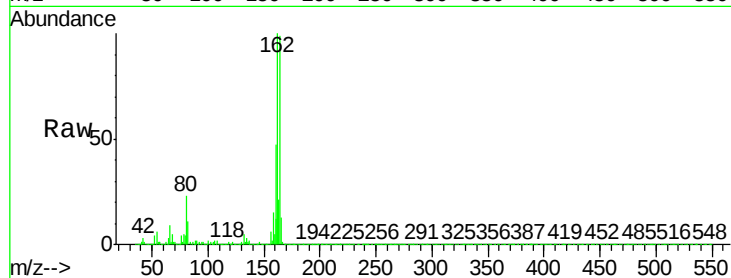
Tot Ion:164 Resp: 552039

Ion Ratio Lower Upper

164 100

162 100.9 80.6 121.0

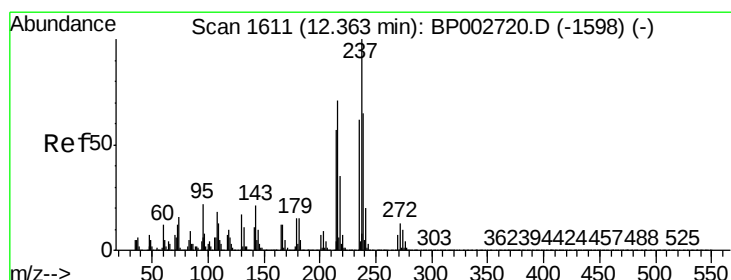
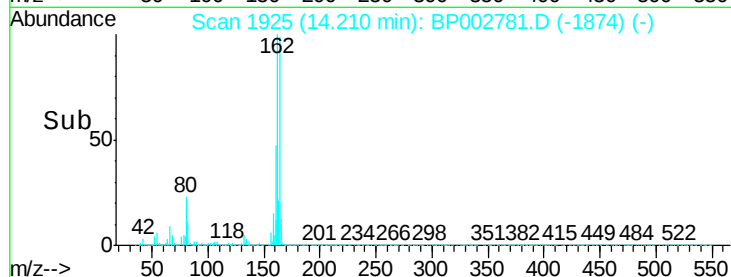
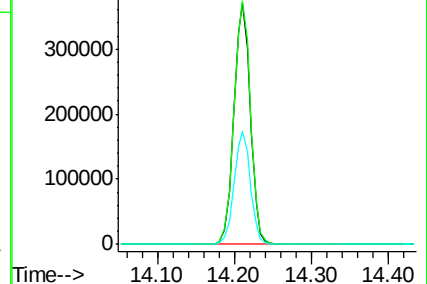
160 47.0 36.4 54.6



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: 7.446 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.02 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

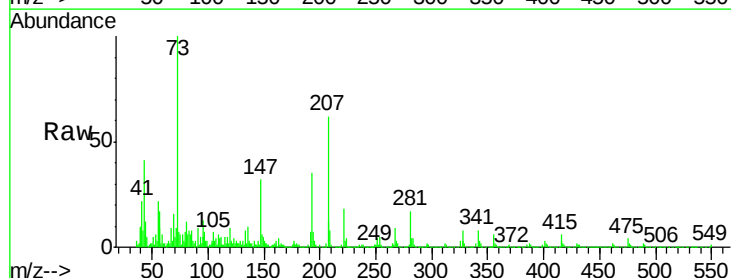
Tgt Ion:237 Resp: 98

Ion Ratio Lower Upper

237 100

235 61.6 42.3 82.3

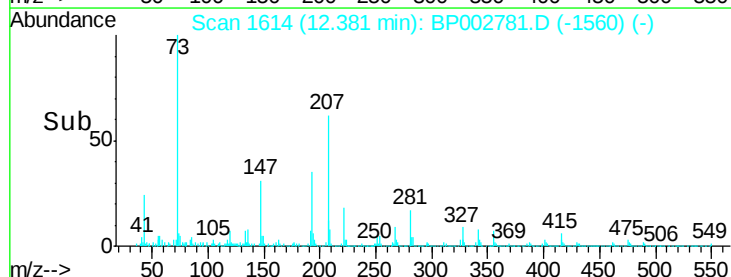
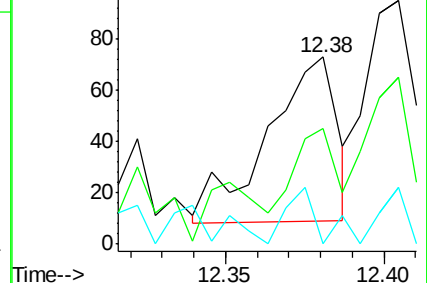
272 0.0 0.0 32.5

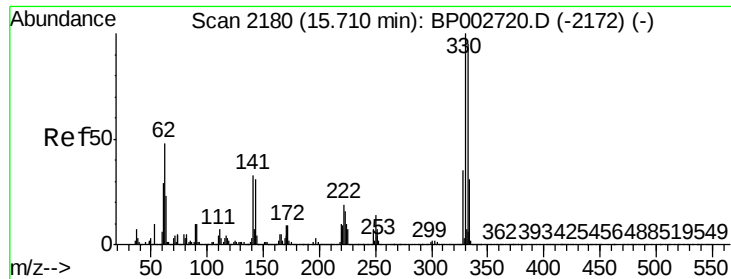


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

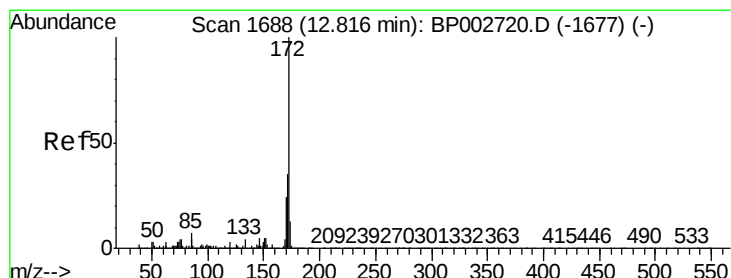
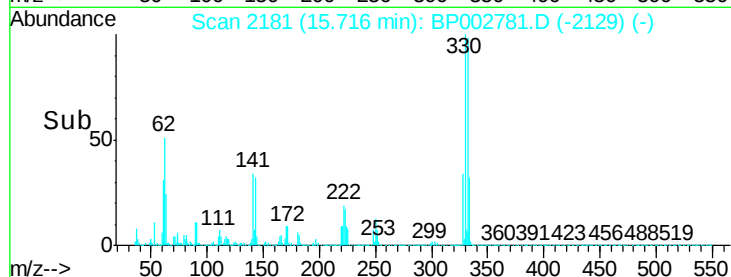
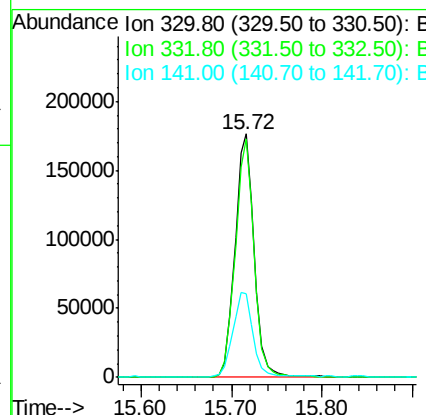
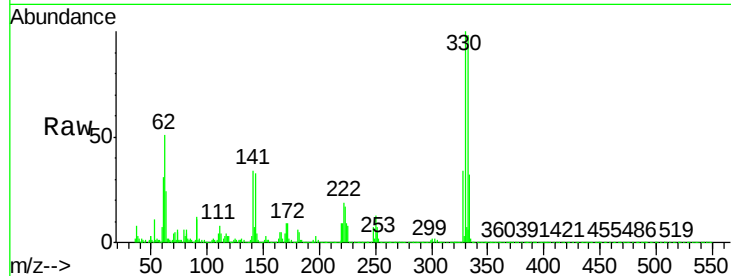




#42
2,4,6-Tribromophenol
Concen: 45.146 ng
RT: 15.72 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

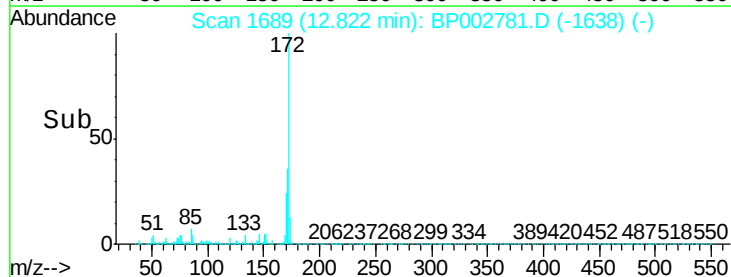
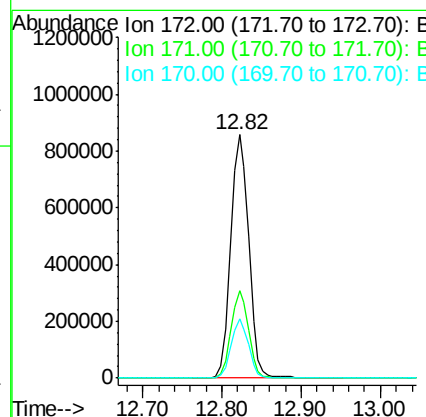
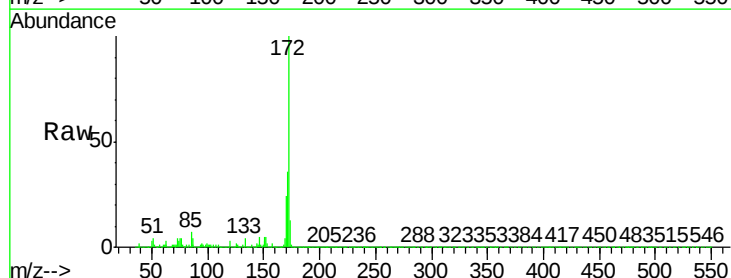
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-A

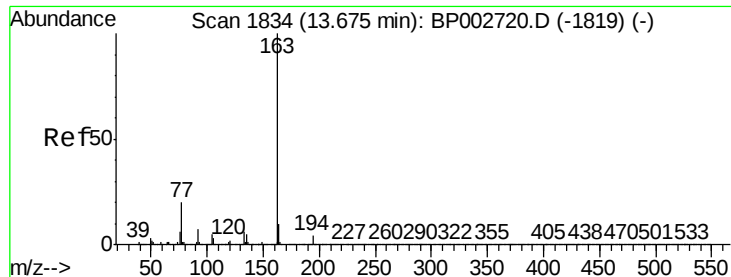
Tot Ion:330 Resp: 260148
Ion Ratio Lower Upper
330 100
332 96.7 76.5 114.7
141 35.4 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 37.830 ng
RT: 12.82 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Tgt Ion:172 Resp: 1349945
Ion Ratio Lower Upper
172 100
171 35.9 28.1 42.1
170 24.2 19.3 28.9





#50

Dimethylphthalate

Concen: 14.208 ng

RT: 13.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

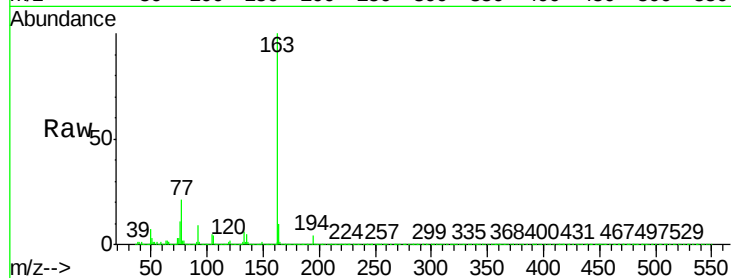
Tot Ion:163 Resp: 598154

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

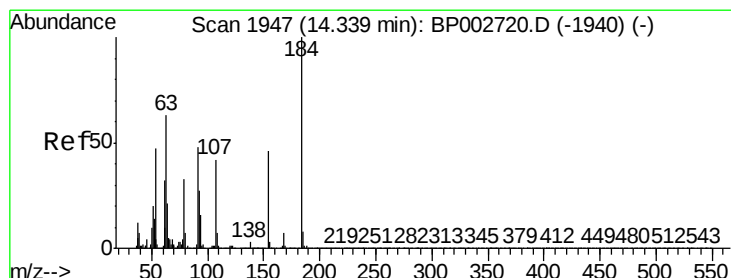
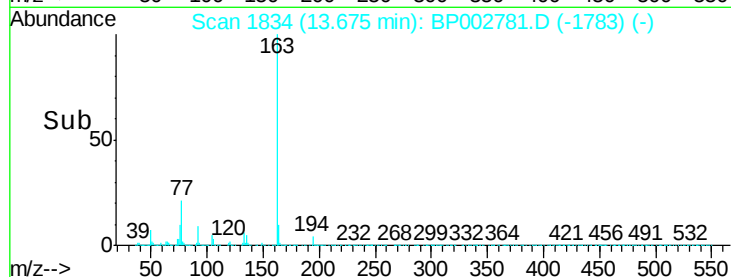
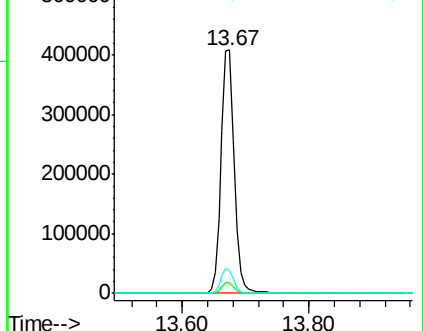
164 9.6 7.8 11.8



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



#54

2,4-Dinitrophenol

Concen: 11.382 ng

RT: 14.35 min Scan# 1948

Delta R.T. 0.01 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

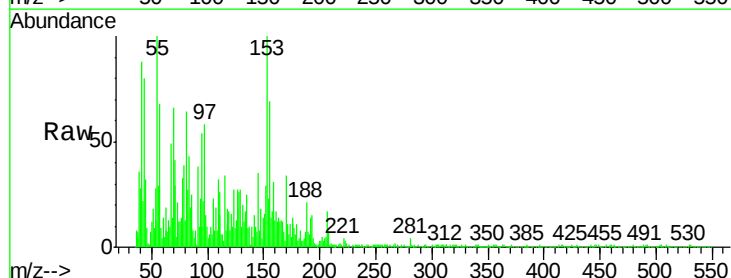
Tgt Ion:184 Resp: 46

Ion Ratio Lower Upper

184 100

63 670.4 51.6 77.4#

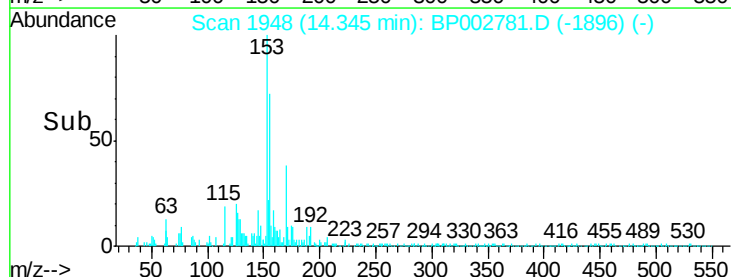
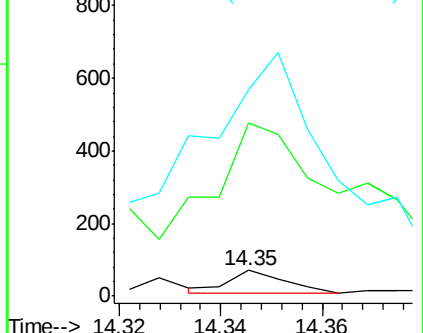
154 801.4 45.0 67.6#

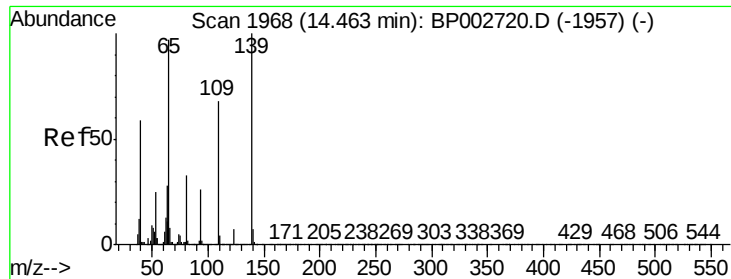


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

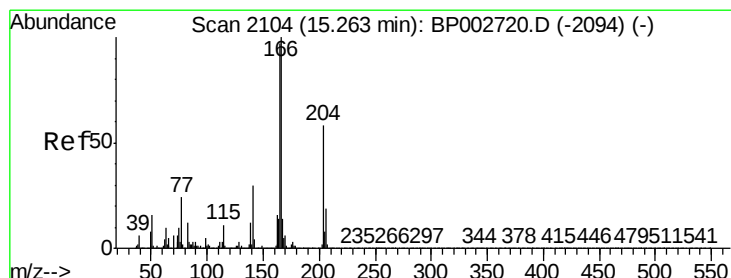
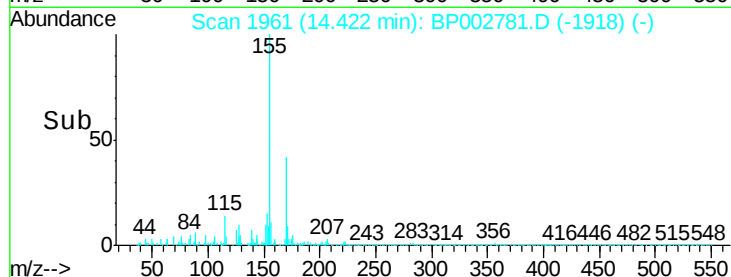
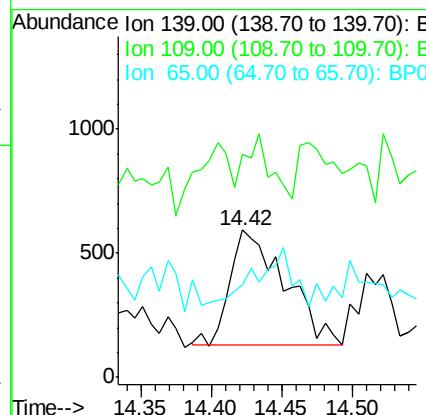
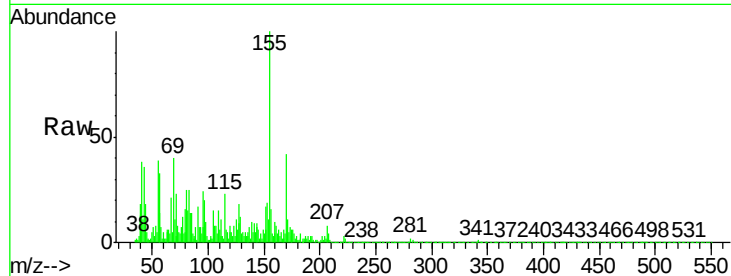




#56
4-Nitrophenol
Concen: 5.119 ng
RT: 14.42 min Scan# 1961
Delta R.T. -0.05 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

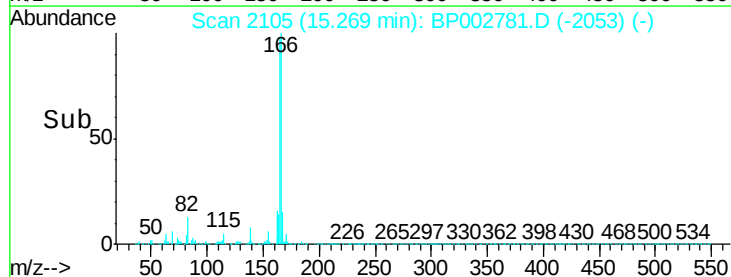
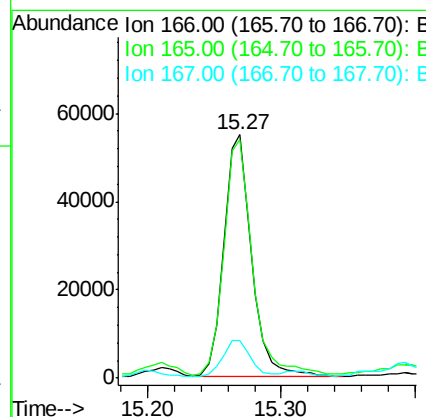
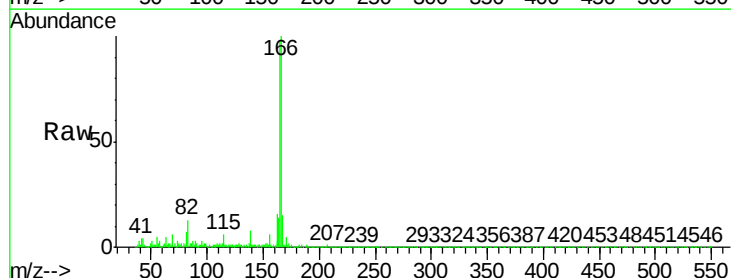
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-A

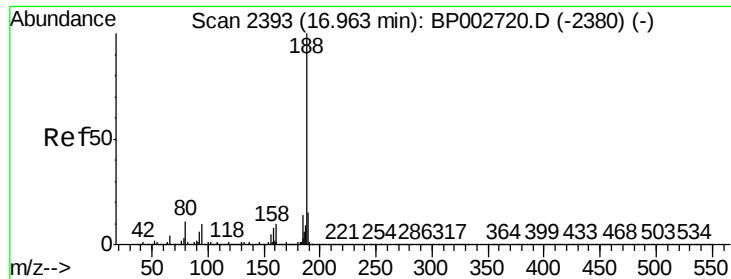
Tot Ion:139 Resp: 1271
Ion Ratio Lower Upper
139 100
109 151.6 48.1 88.1#
65 62.6 77.9 117.9#



#58
Fluorene
Concen: 2.141 ng
RT: 15.27 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Tgt Ion:166 Resp: 80022
Ion Ratio Lower Upper
166 100
165 97.7 77.7 116.5
167 15.2 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

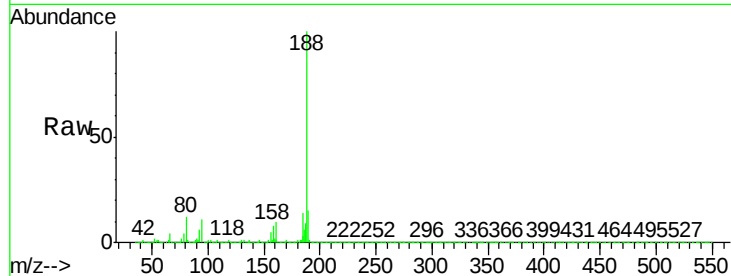
Tot Ion:188 Resp: 950370

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

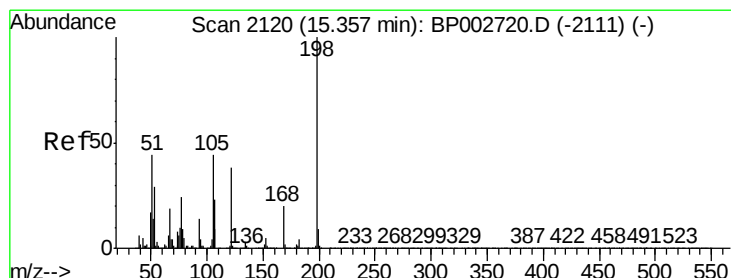
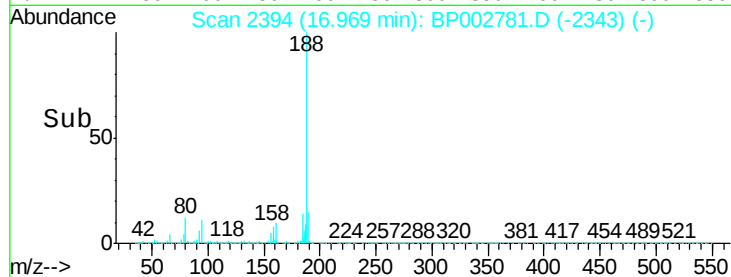
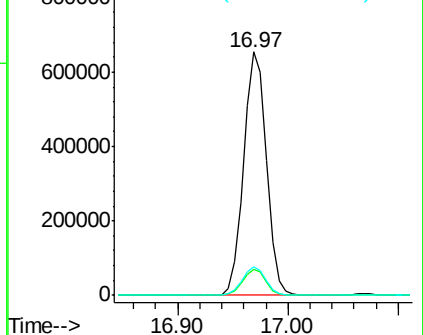
80 11.7 8.9 13.3



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: 5.273 ng

RT: 15.36 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

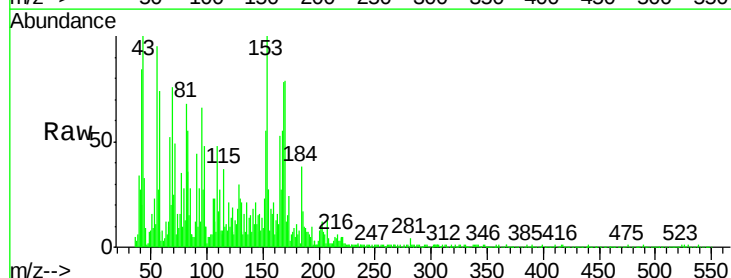
Tgt Ion:198 Resp: 42

Ion Ratio Lower Upper

198 100

51 779.2 27.1 67.1#

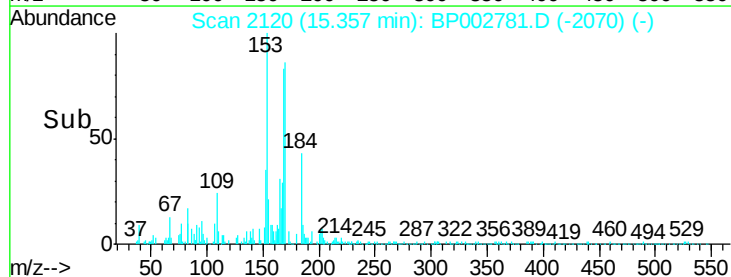
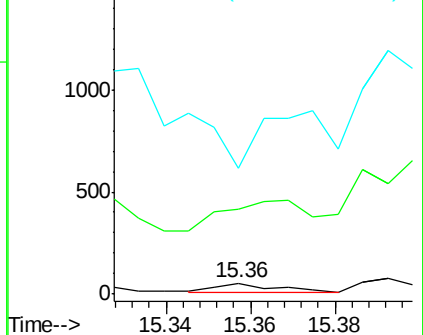
105 1156.6 24.9 64.9#

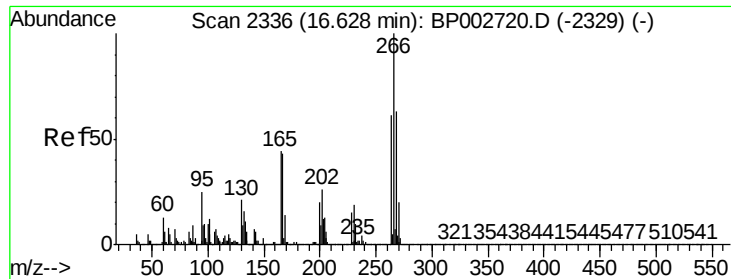


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 7.458 ng

RT: 16.61 min Scan# 2333

Delta R.T. -0.02 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

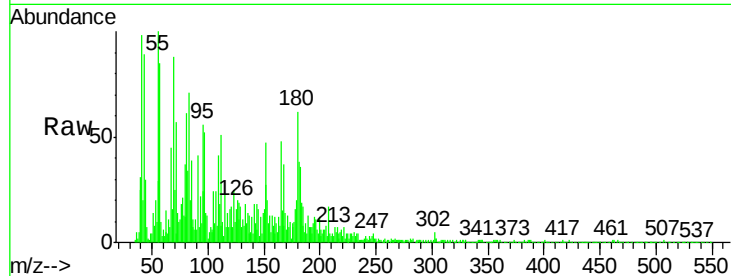
BNA_P

ClientSampleId :

FK-GF-02-058-A

Tot Ion:266 Resp: 97

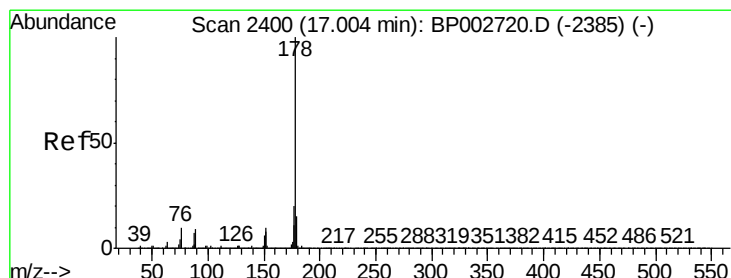
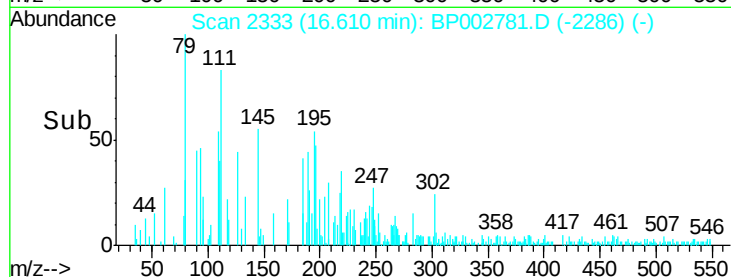
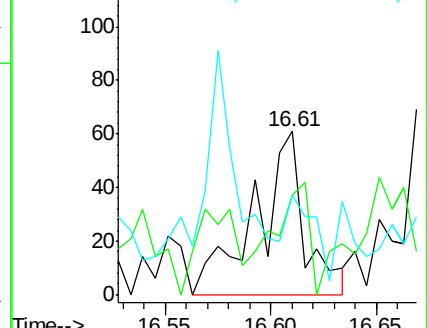
Ion	Ratio	Lower	Upper
266	100		
268	60.7	50.6	75.8
264	60.7	48.6	72.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 12.742 ng

RT: 17.02 min Scan# 2402

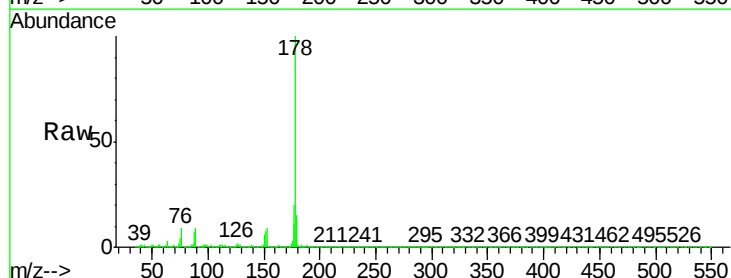
Delta R.T. 0.01 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Tgt Ion:178 Resp: 655646

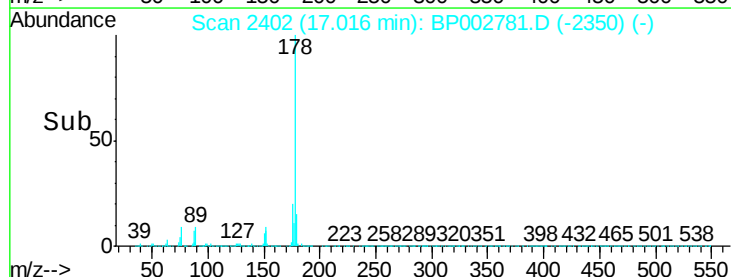
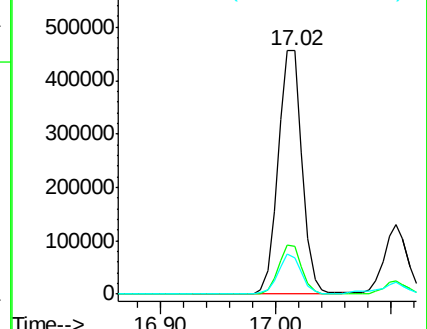
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.1	12.3	18.5

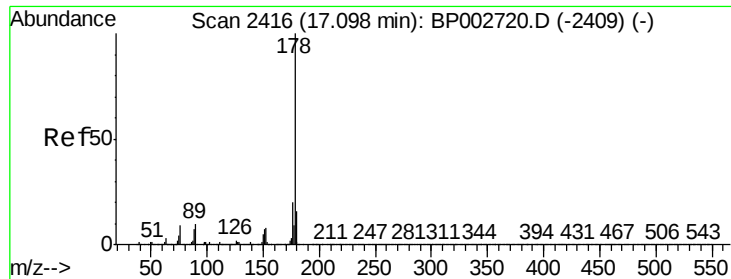


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

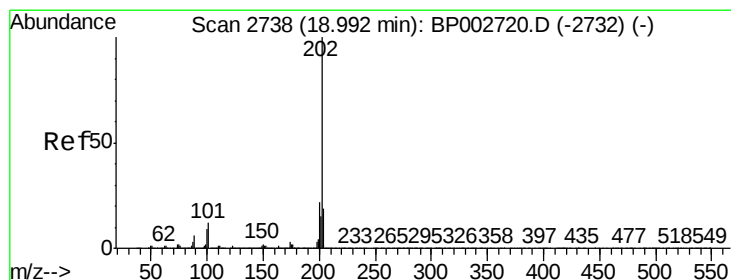
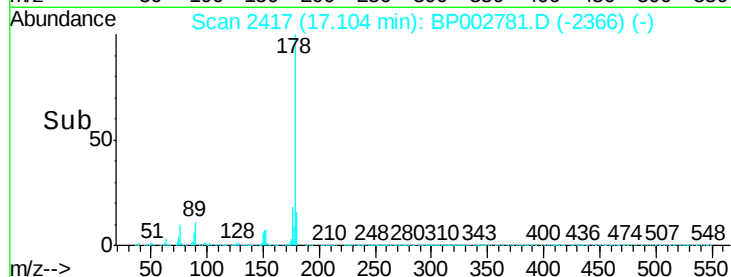
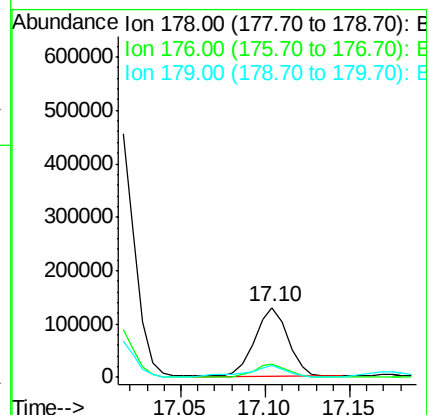
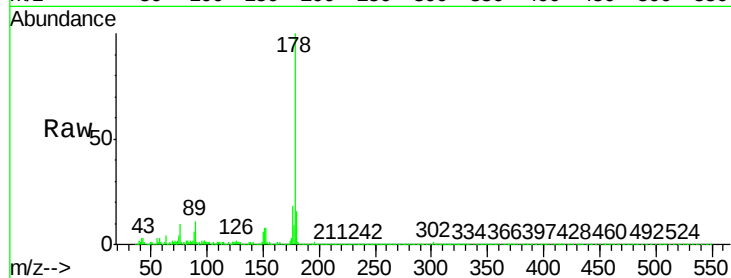




#72
 Anthracene
 Concen: 3.542 ng
 RT: 17.10 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BP002781.D
 Acq: 16 Jul 2020 20:11

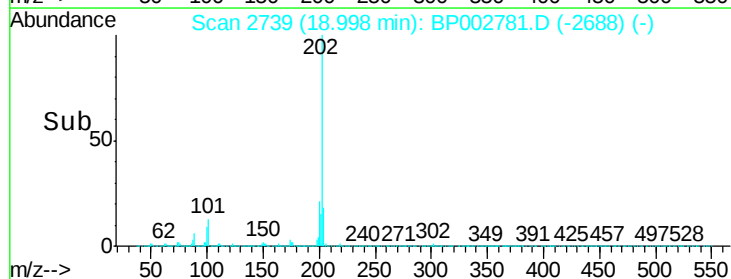
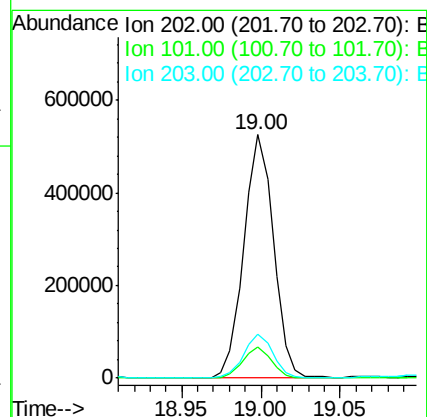
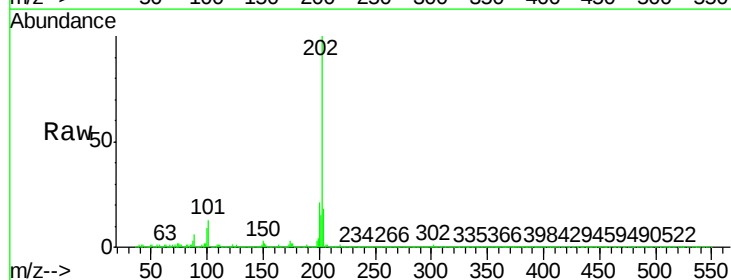
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-058-A

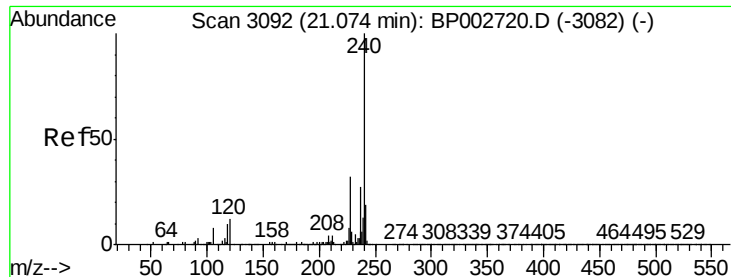
Tot Ion:178 Resp: 178872
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 16.2 12.6 19.0



#75
 Fluoranthene
 Concen: 11.438 ng
 RT: 19.00 min Scan# 2739
 Delta R.T. 0.00 min
 Lab File: BP002781.D
 Acq: 16 Jul 2020 20:11

Tgt Ion:202 Resp: 681967
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 32.5
 203 18.2 0.0 38.6

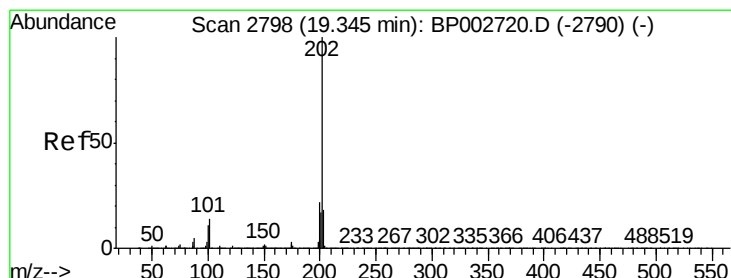
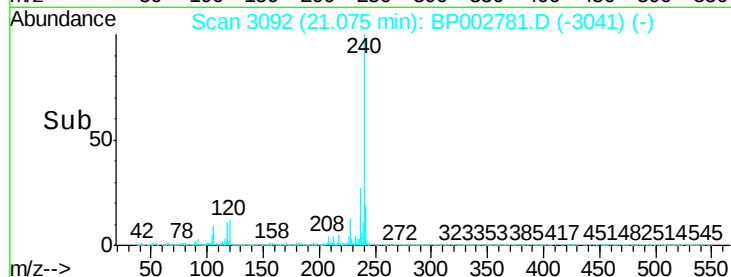
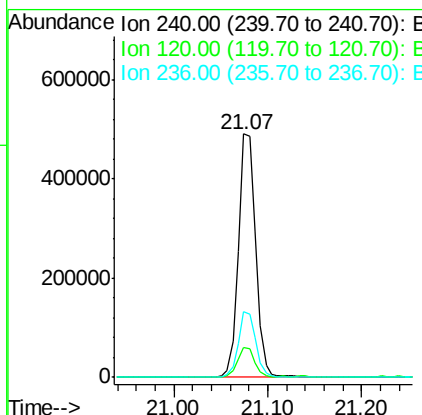
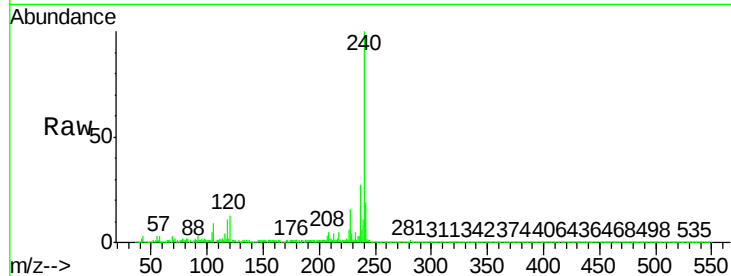




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

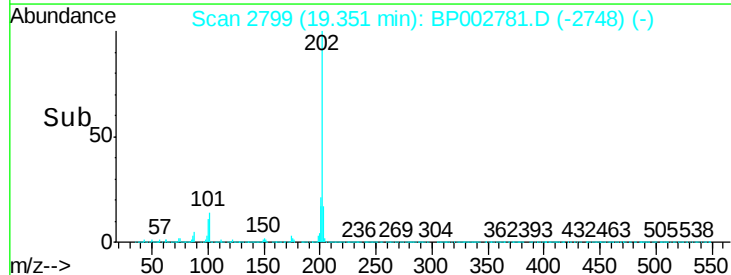
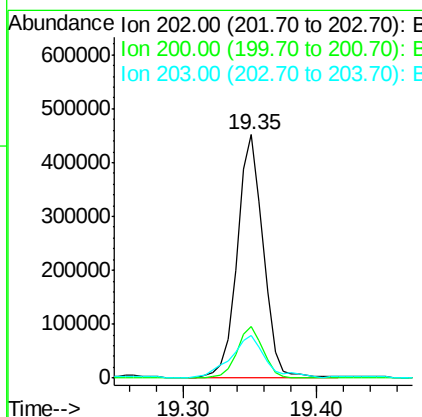
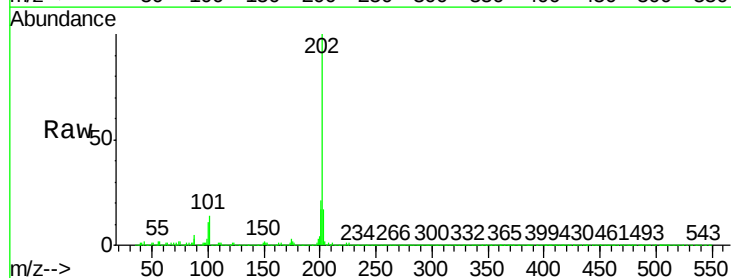
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-A

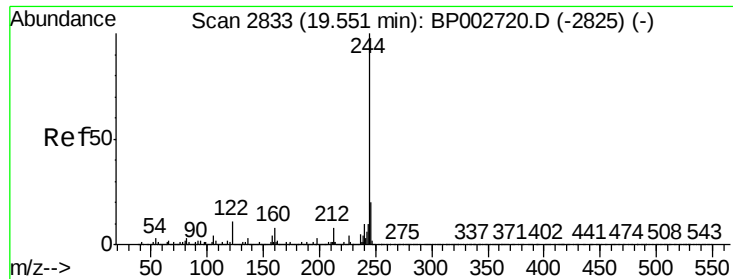
Tot Ion:240 Resp: 619042
Ion Ratio Lower Upper
240 100
120 12.5 9.4 14.2
236 26.8 21.3 31.9



#78
Pyrene
Concen: 14.157 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Tgt Ion:202 Resp: 605088
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.4 14.5 21.7





#79

Terphenyl-d14

Concen: 39.705 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

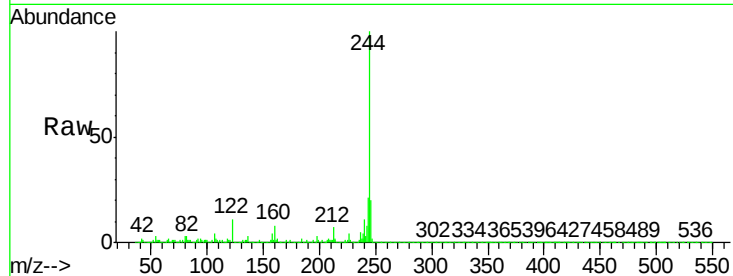
Tot Ion:244 Resp: 1072037

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

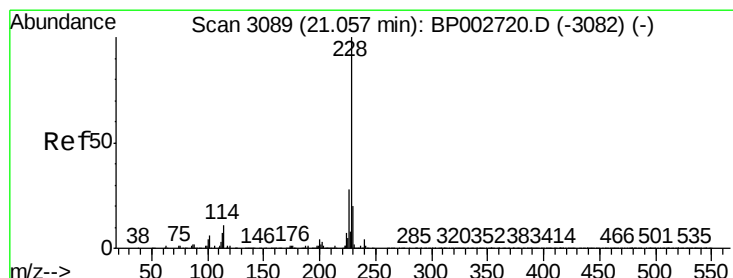
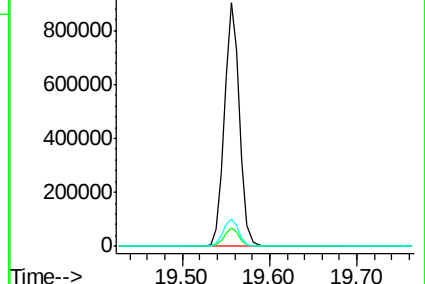
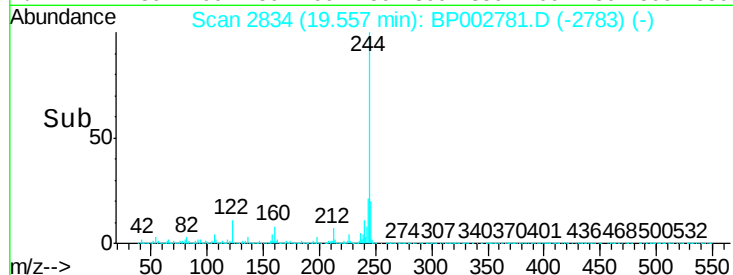
122 11.4 8.9 13.3



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: 6.770 ng

RT: 21.06 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

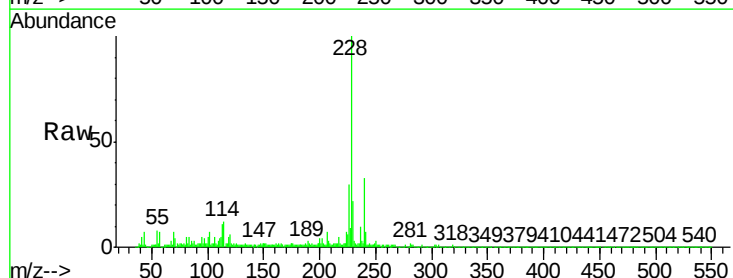
Tgt Ion:228 Resp: 271309

Ion Ratio Lower Upper

228 100

226 29.9 22.6 34.0

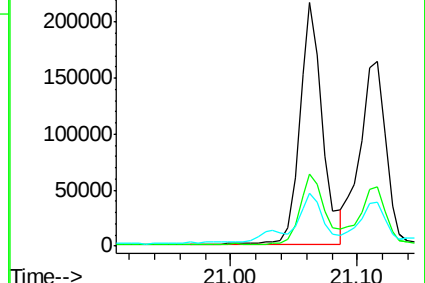
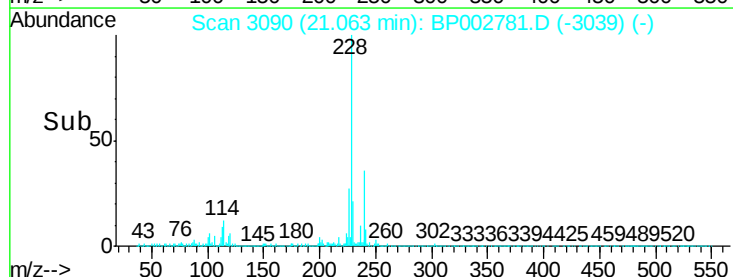
229 21.8 16.0 24.0

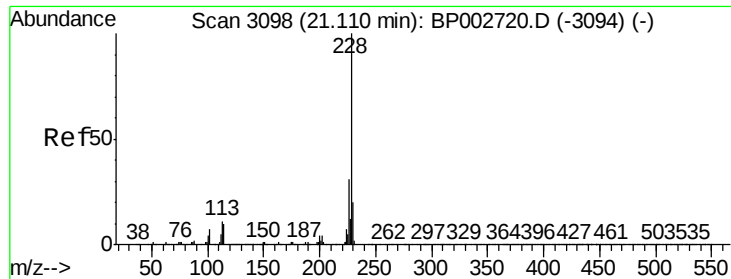


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

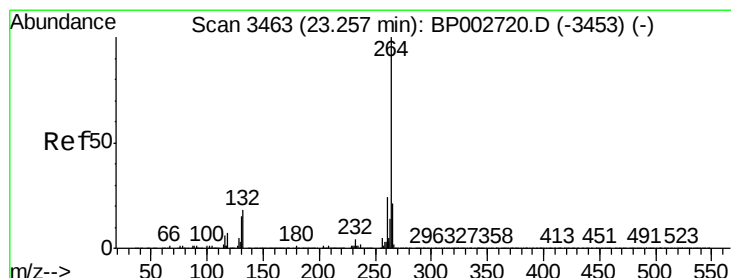
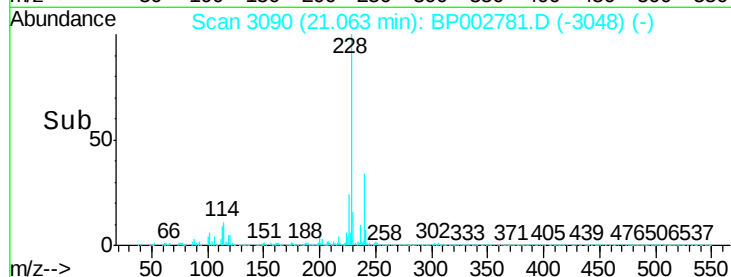
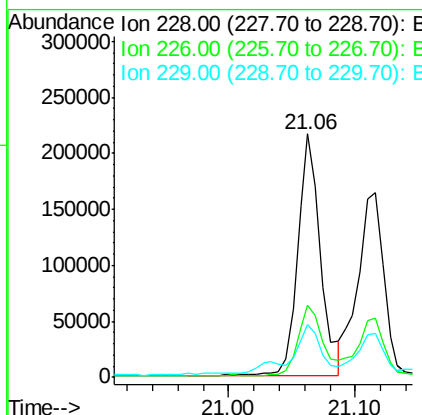
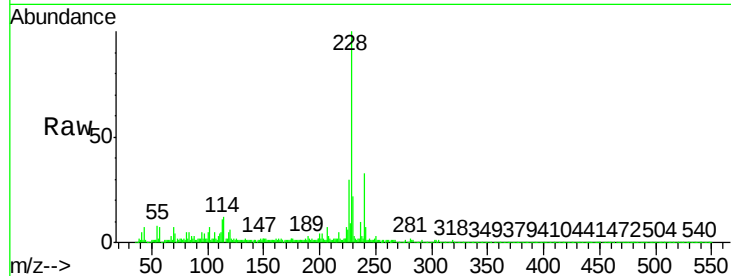




#83
Chrysene
Concen: 7.113 ng
RT: 21.06 min Scan# 3090
Delta R.T. -0.05 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

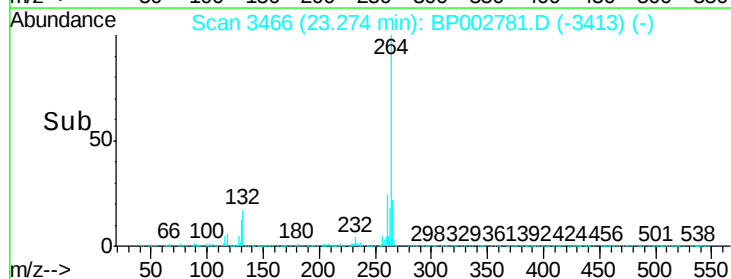
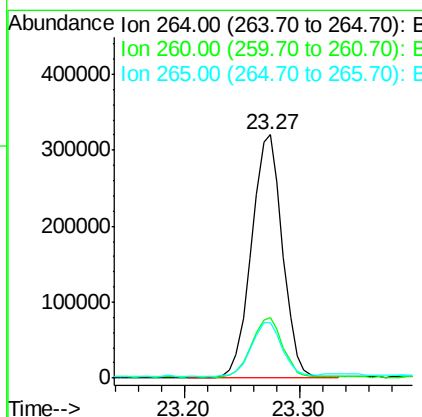
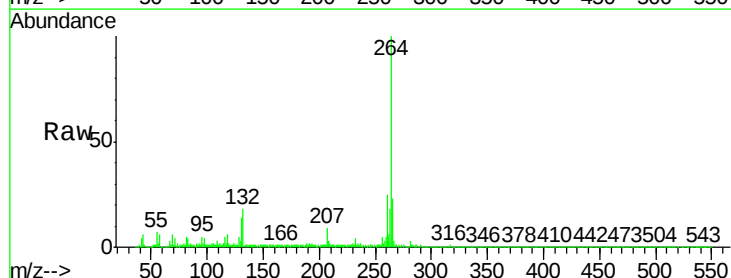
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-A

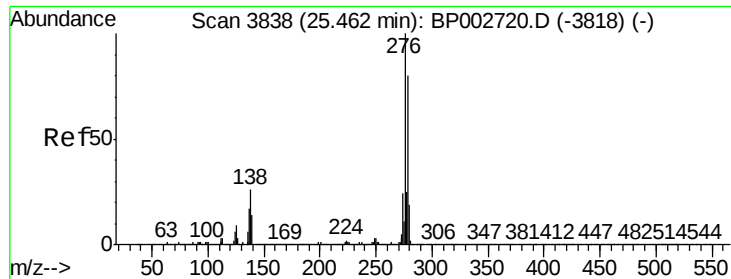
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	21.8	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. 0.01 min
Lab File: BP002781.D
Acq: 16 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	22.7	16.8	25.2

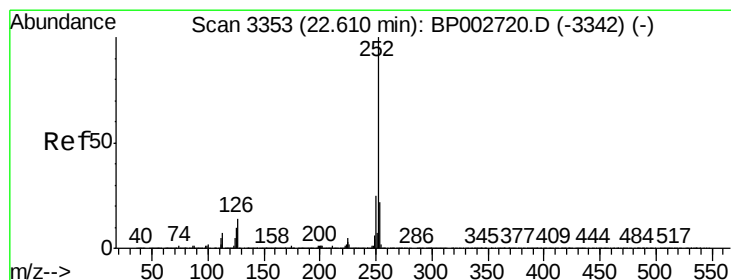
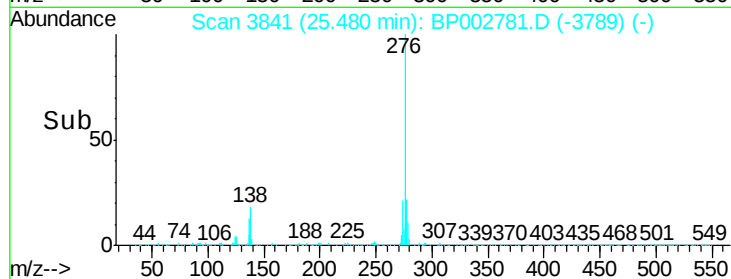
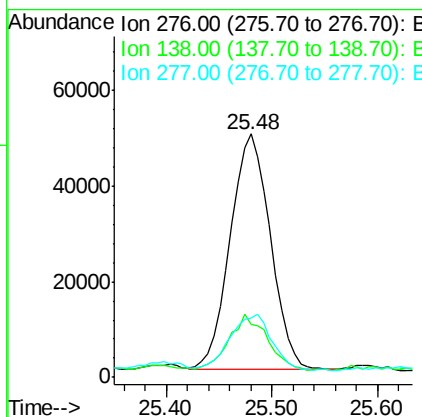
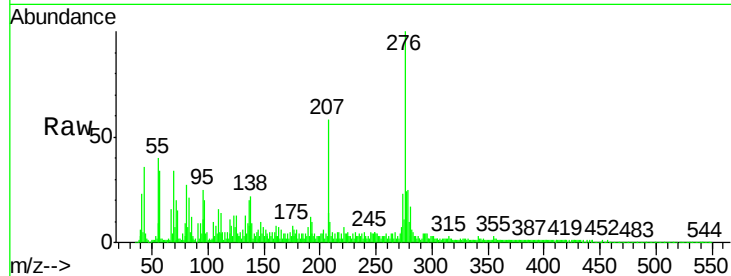




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.018 ng
 RT: 25.48 min Scan# 3841
 Delta R.T. 0.01 min
 Lab File: BP002781.D
 Acq: 16 Jul 2020 20:11

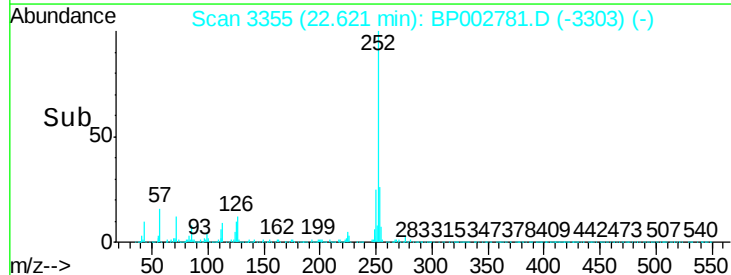
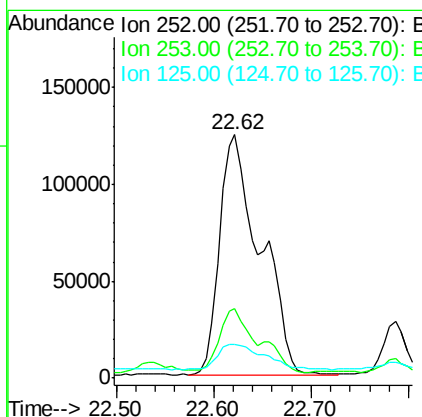
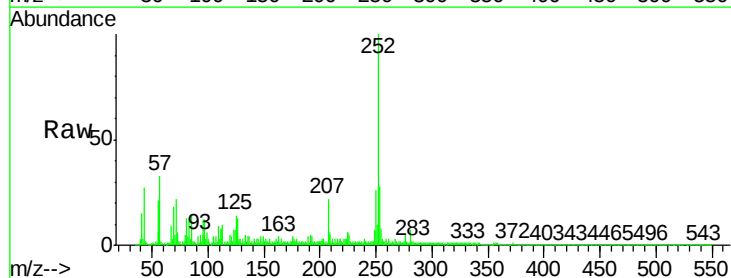
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-058-A

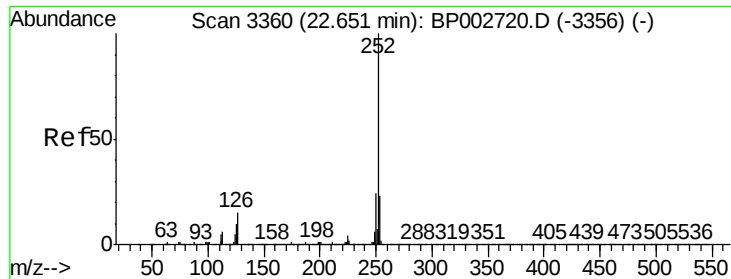
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.8	31.2
277	25.0	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 9.737 ng
 RT: 22.62 min Scan# 3355
 Delta R.T. 0.01 min
 Lab File: BP002781.D
 Acq: 16 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.7	26.5#
125	14.1	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 9.885 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

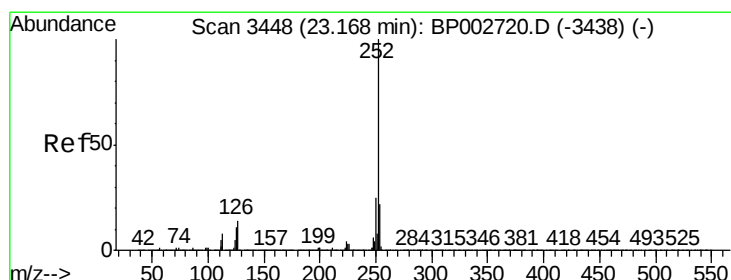
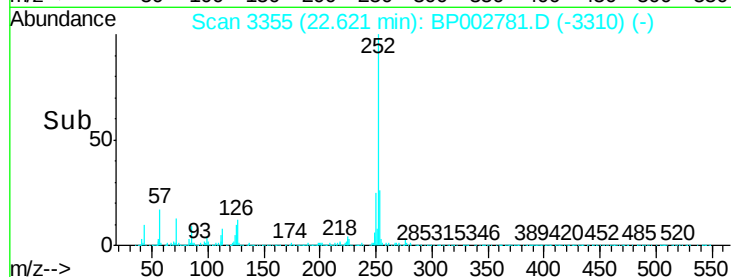
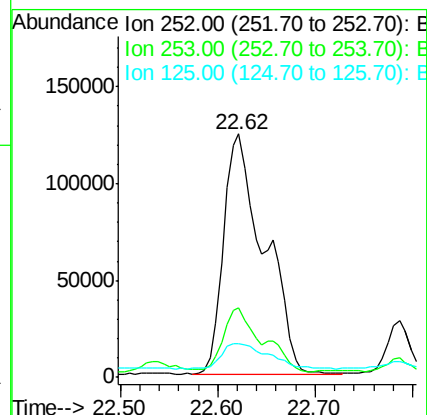
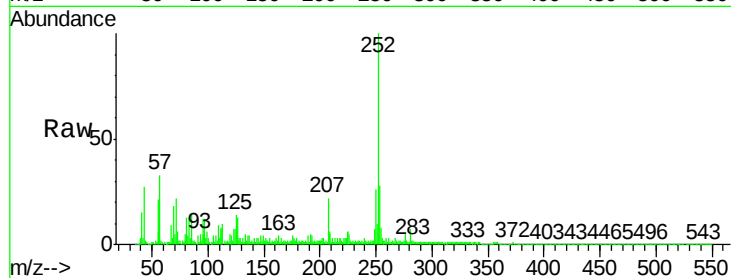
Tot Ion:252 Resp: 360289

Ion Ratio Lower Upper

252 100

253 28.4 17.8 26.8#

125 14.1 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 5.800 ng

RT: 23.17 min Scan# 3449

Delta R.T. 0.00 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

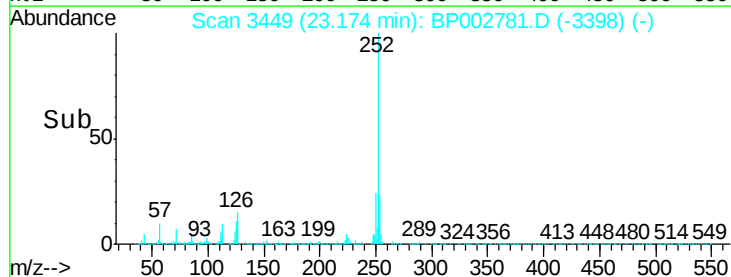
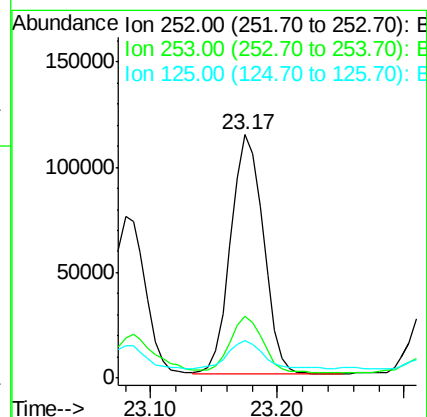
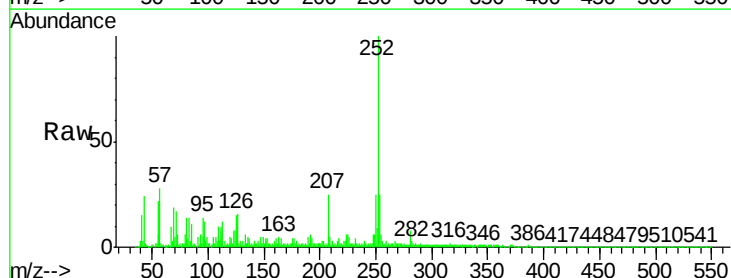
Tgt Ion:252 Resp: 203366

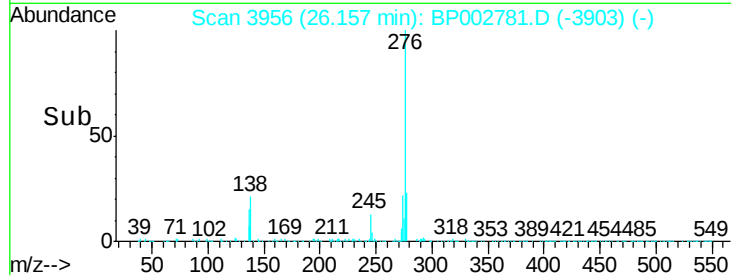
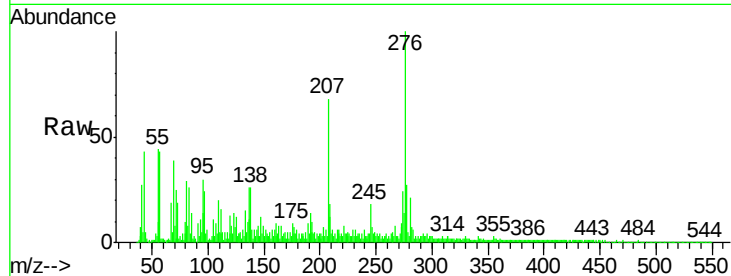
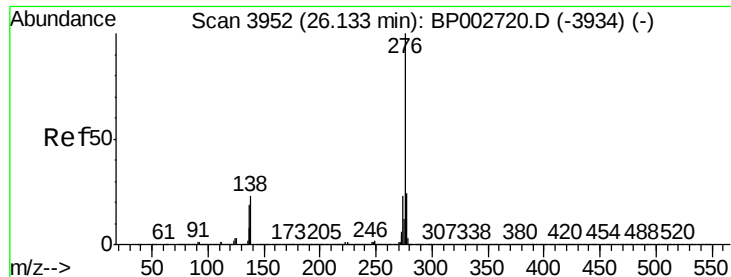
Ion Ratio Lower Upper

252 100

253 25.2 17.6 26.4

125 15.3 8.6 13.0#





#92

Benzo(a,h,i)perylene

Concen: 3.732 ng

RT: 26.16 min Scan# 3956

Delta R.T. 0.01 min

Lab File: BP002781.D

Acq: 16 Jul 2020 20:11

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-A

Tot Ion: 276 Resp: 131449

Ion Ratio Lower Upper

276 100

277 26.6 19.1 28.7

138 25.8 18.3 27.5

