

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002764.D
 Acq On : 15 Jul 2020 20:45
 Operator : CG/JU
 Sample : L3303-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-014-B

Quant Time: Jul 16 00:43:03 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	164012	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	650628	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	386213	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	780694	20.00	ng	0.00
76) Chrysene-d12	21.08	240	581943	20.00	ng	0.00
86) Perylene-d12	23.28	264	548086	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	792582	81.53	ng	0.00
7) Phenol-d6	6.76	99	1041835	75.10	ng	0.00
23) Nitrobenzene-d5	8.70	82	635543	52.24	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	296917	73.65	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1296361	51.93	ng	0.00
79) Terphenyl-d14	19.56	244	1471739	57.98	ng	0.00

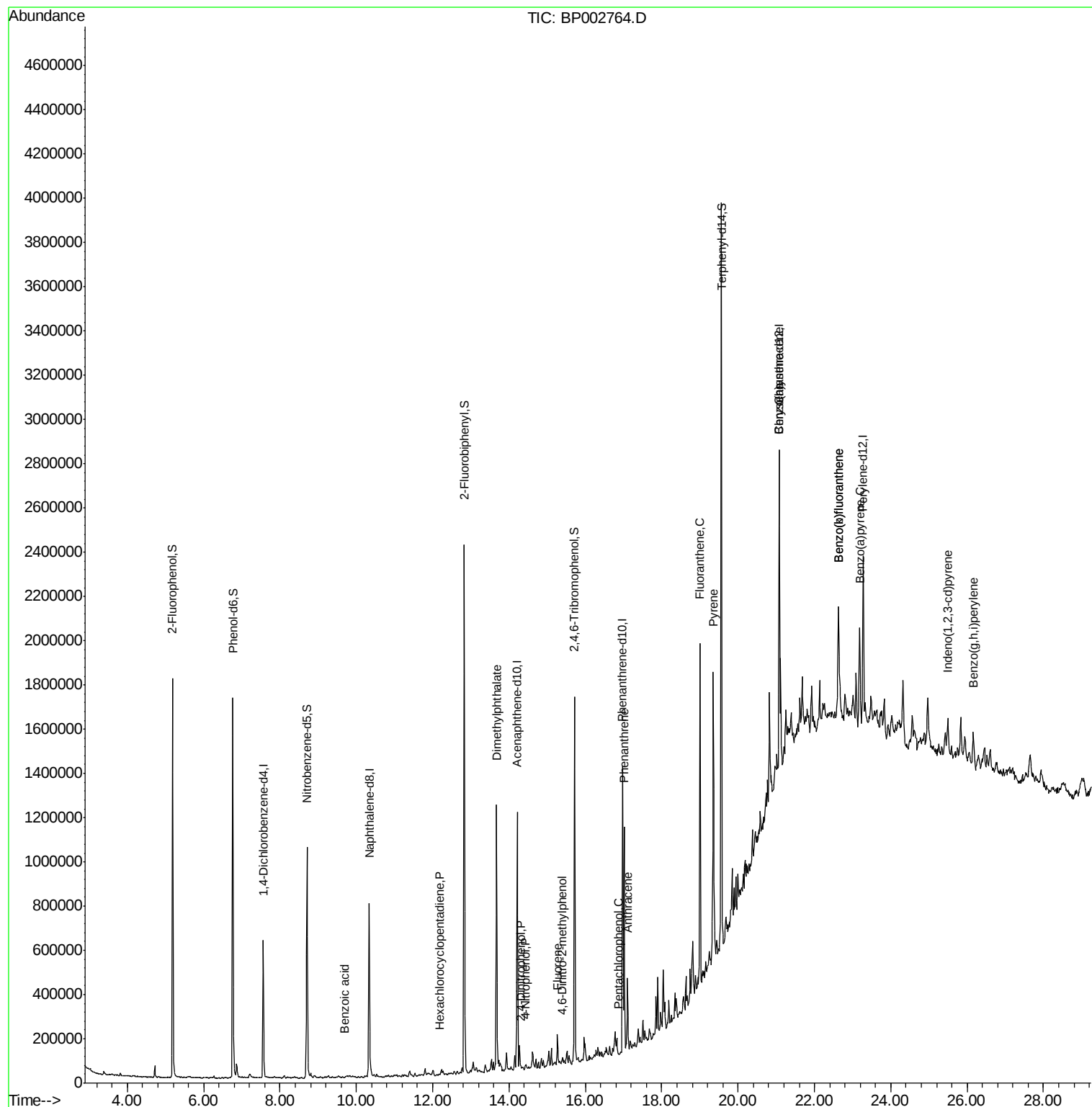
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.69	122	25	7.065	ng	# 1
41) Hexachlorocyclopentadiene	12.18	237	16	7.437	ng	89
50) Dimethylphthalate	13.67	163	782234	26.558	ng	100
54) 2,4-Dinitrophenol	14.32	184	81	11.394	ng	# 1
56) 4-Nitrophenol	14.43	139	1490	5.219	ng	# 40
58) Fluorene	15.27	166	58793	2.249	ng	98
65) 4,6-Dinitro-2-methylphenol	15.38	198	88	5.283	ng	# 1
70) Pentachlorophenol	16.86	266	203	7.484	ng	94
71) Phenanthrene	17.02	178	613162	14.506	ng	100
72) Anthracene	17.10	178	184882	4.457	ng	99
75) Fluoranthene	19.00	202	885905	18.088	ng	98
78) Pyrene	19.35	202	790771	19.681	ng	99
81) Benzo(a)anthracene	21.07	228	328522	8.721	ng	96
83) Chrysene	21.07	228	328522	9.162	ng	97
87) Indeno(1,2,3-cd)pyrene	25.49	276	168380	4.251	ng	96
88) Benzo(b)fluoranthene	22.62	252	458324	13.467	ng	# 87
89) Benzo(k)fluoranthene	22.62	252	458324	13.672	ng	# 88
90) Benzo(a)pyrene	23.18	252	253085	7.847	ng	# 94
92) Benzo(a,h,i)perylene	26.16	276	171948	5.308	ng	96

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

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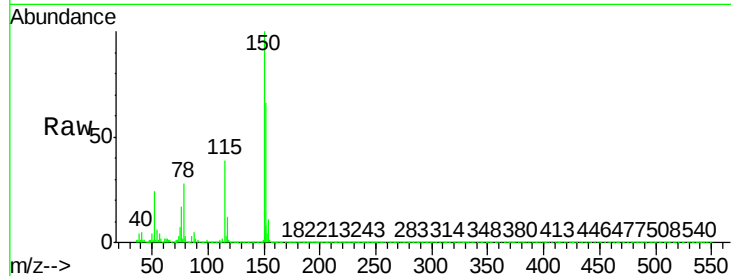


#1

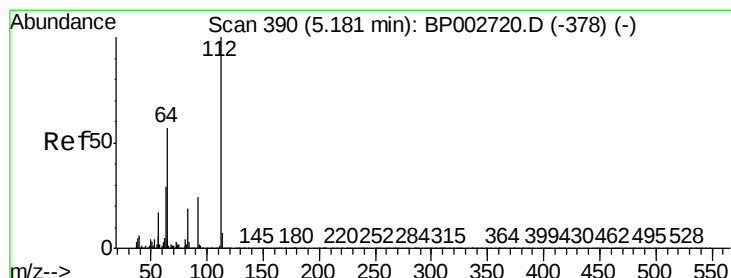
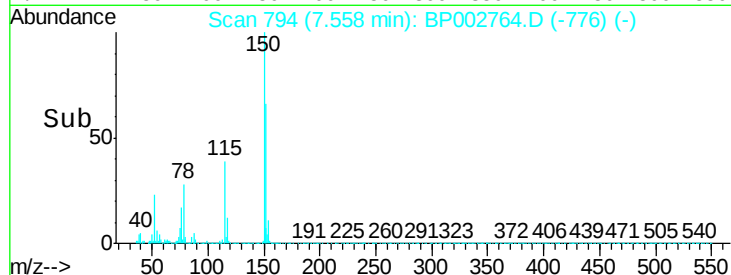
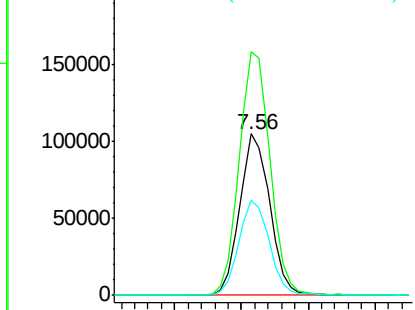
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	123.7	185.5
115	59.0	47.2	70.8



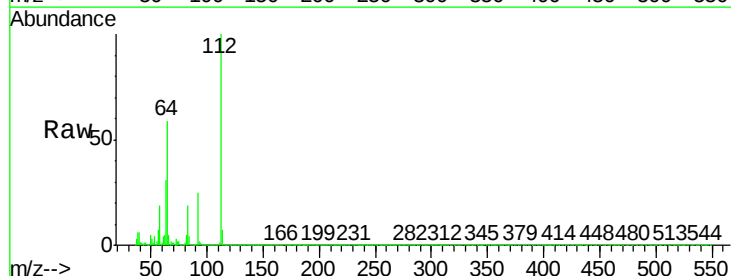
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



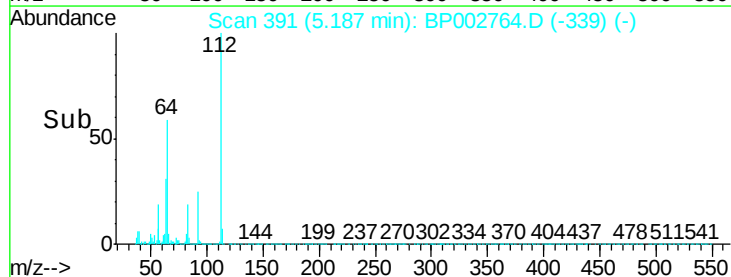
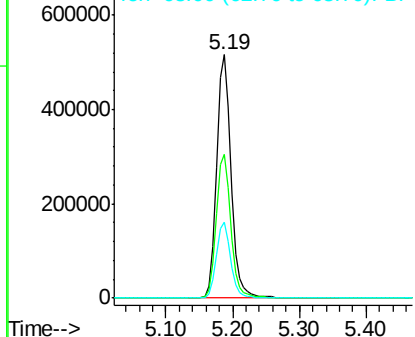
#5

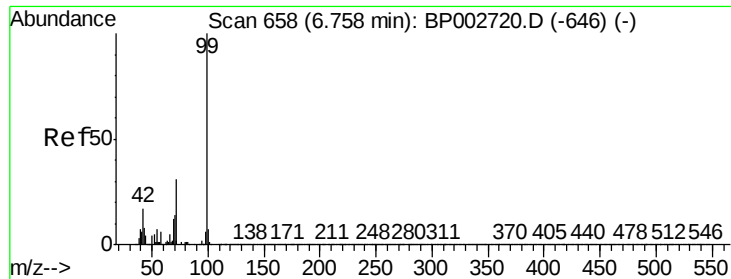
2-Fluorophenol
Concen: 81.533 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	45.6	68.4
63	30.9	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: 75.095 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

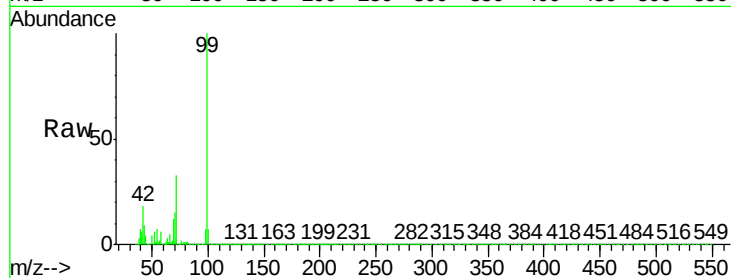
BNA_P

ClientSampleId :

FK-GF-03-014-B

Tot Ion: 99 Resp: 1041835

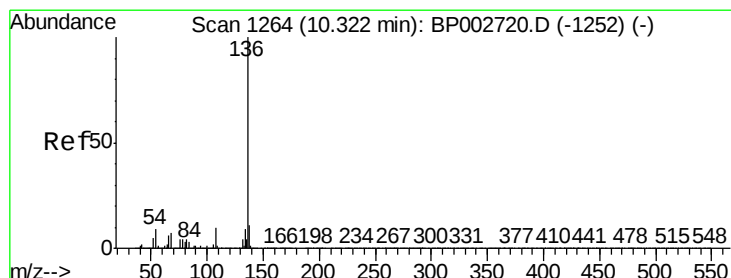
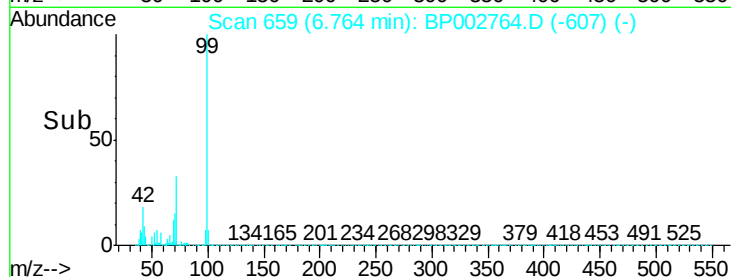
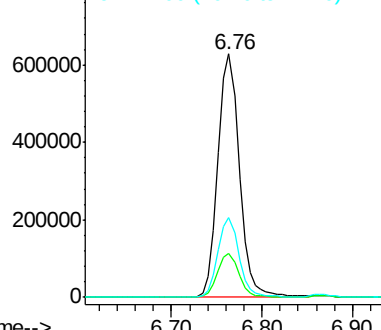
Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.4	20.2
71	32.6	24.6	36.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1266

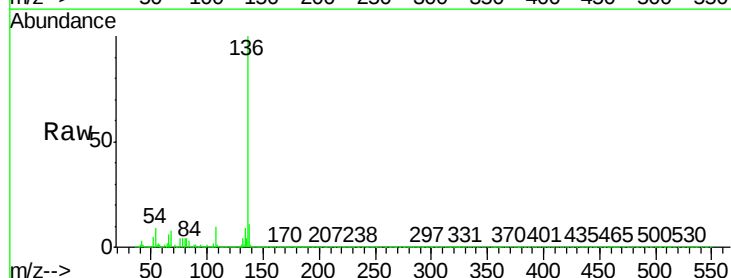
Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Tgt Ion: 136 Resp: 650628

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	6.9	10.3
68	7.6	5.7	8.5

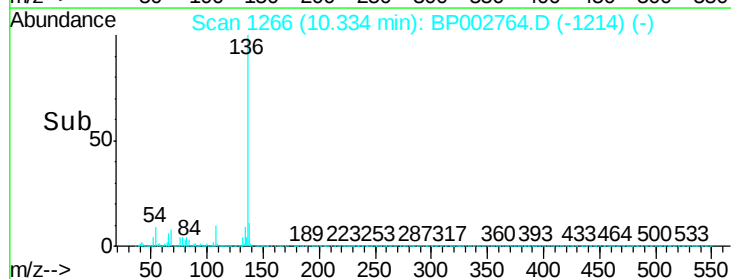
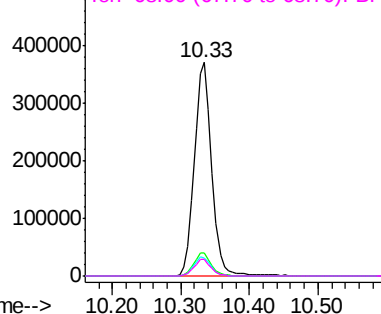


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

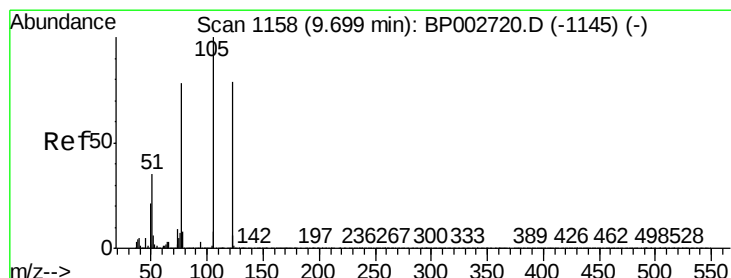
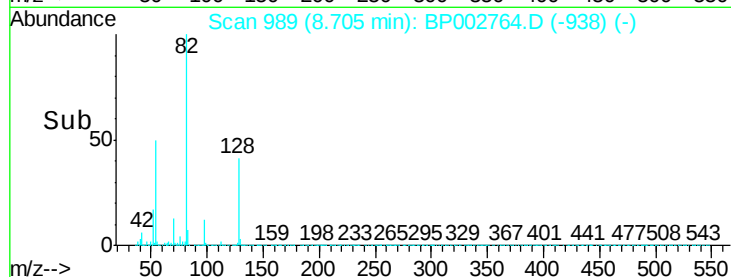
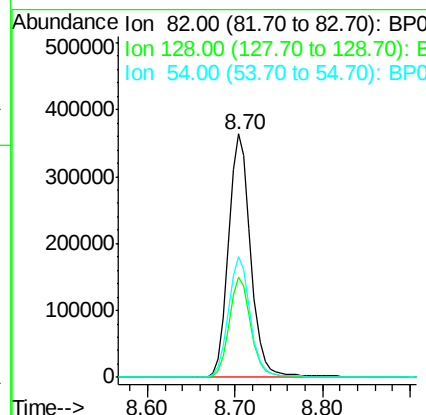
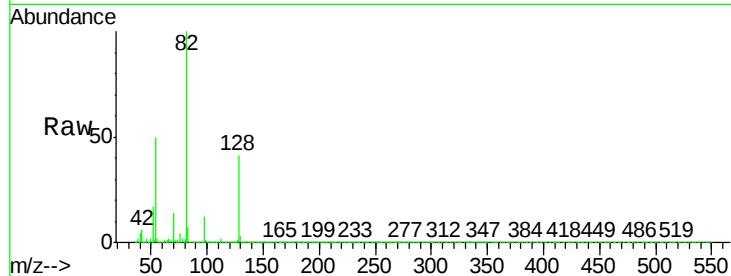




#23
 Nitrobenzene-d5
 Concen: 52.244 ng
 RT: 8.70 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BP002764.D
 Acq: 15 Jul 2020 20:45

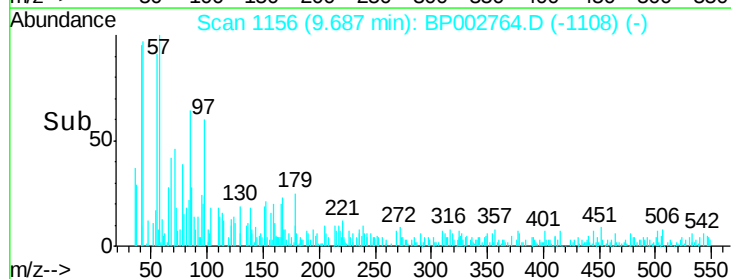
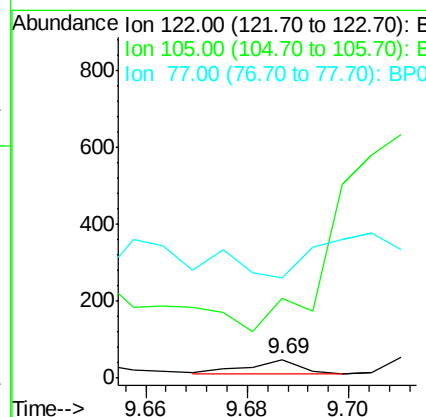
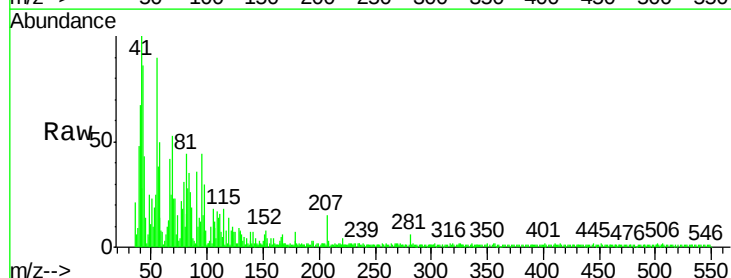
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-014-B

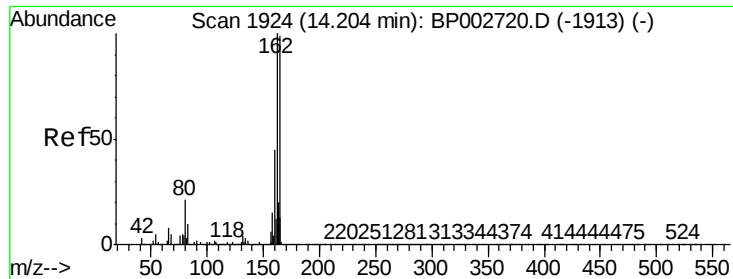
Tot Ion	82	Resp	635543
Ion Ratio	Lower	Upper	
82	100		
128	41.2	33.8	50.8
54	49.8	38.8	58.2



#32
 Benzoic acid
 Concen: 7.065 ng
 RT: 9.69 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: BP002764.D
 Acq: 15 Jul 2020 20:45

Tgt Ion	122	Resp	25
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
122	100		
105	424.5	105.4	145.4#
77	530.6	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: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

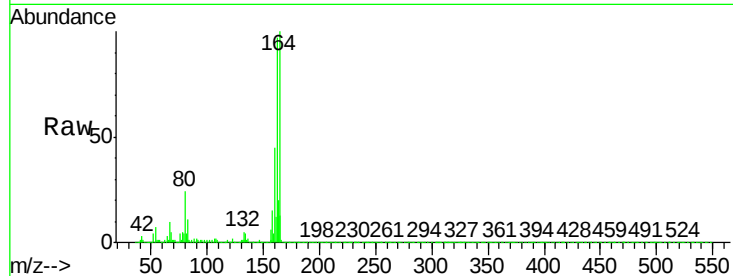
Tot Ion:164 Resp: 386213

Ion Ratio Lower Upper

164 100

162 97.3 80.6 121.0

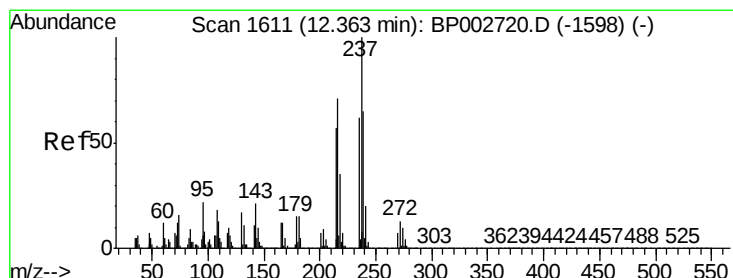
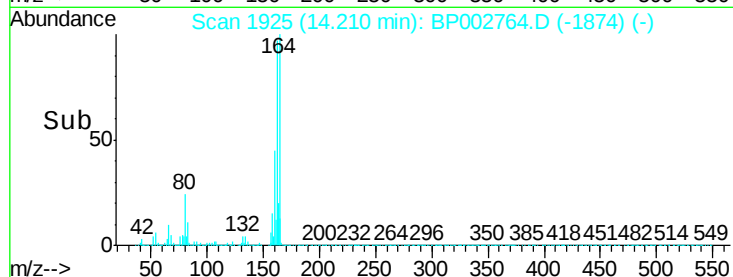
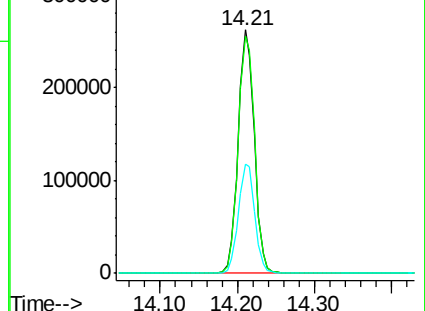
160 44.8 36.4 54.6



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: 7.437 ng

RT: 12.18 min Scan# 1580

Delta R.T. -0.18 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

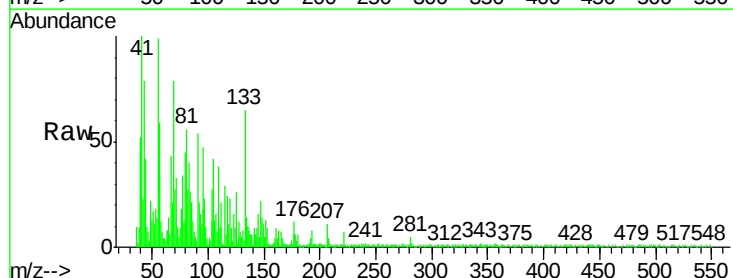
Tgt Ion:237 Resp: 16

Ion Ratio Lower Upper

237 100

235 67.9 42.3 82.3

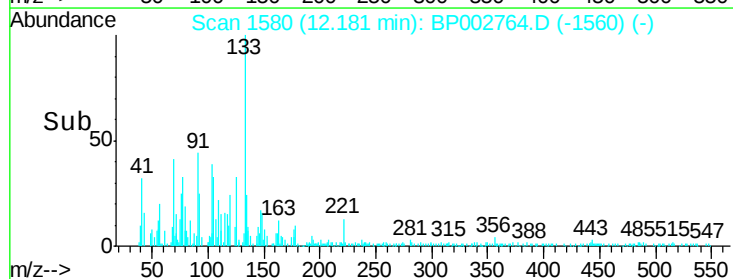
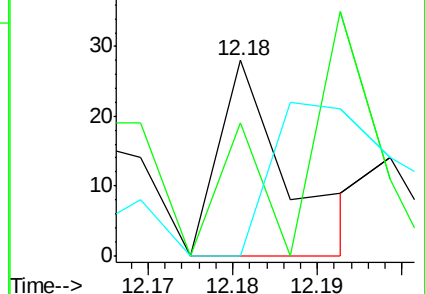
272 0.0 0.0 32.5

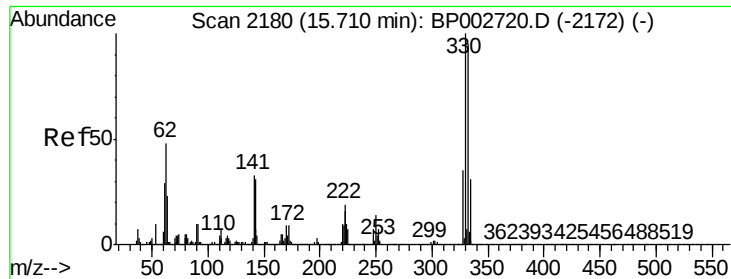


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 73.650 ng

RT: 15.72 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BP002764.D

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FK-GF-03-014-B

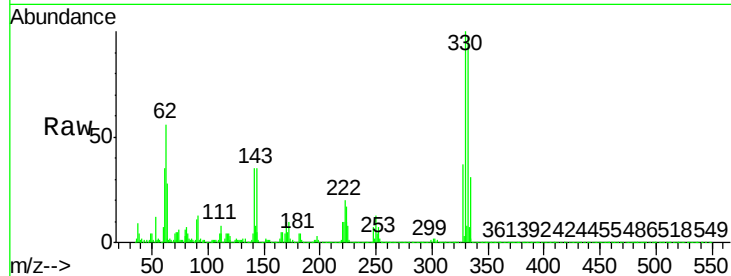
Tot Ion:330 Resp: 296917

Ion Ratio Lower Upper

330 100

332 96.3 76.5 114.7

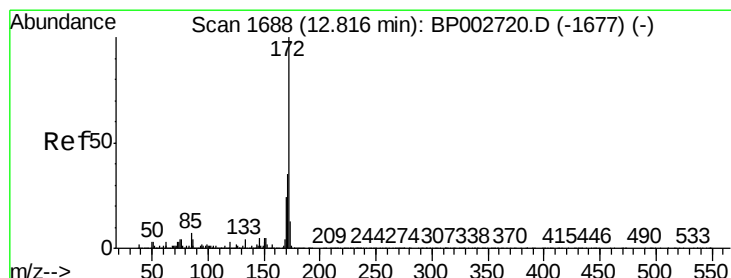
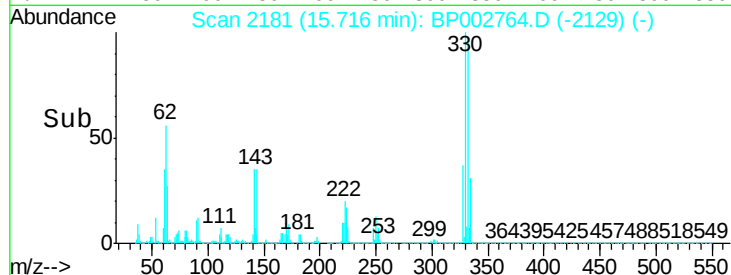
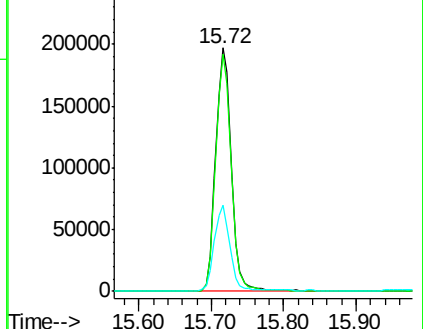
141 34.6 28.8 43.2



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: 51.926 ng

RT: 12.82 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

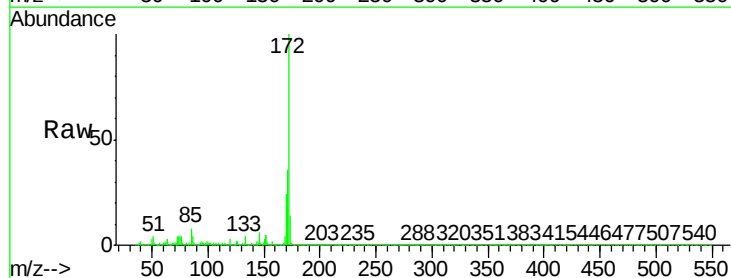
Tgt Ion:172 Resp: 1296361

Ion Ratio Lower Upper

172 100

171 36.0 28.1 42.1

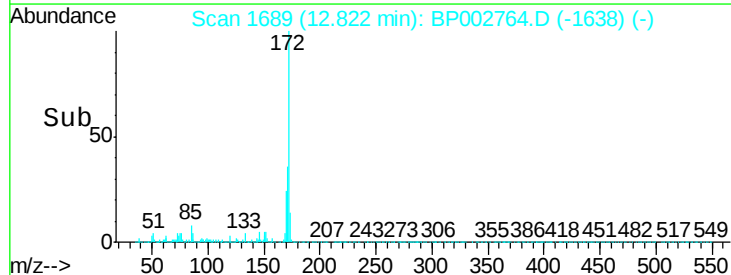
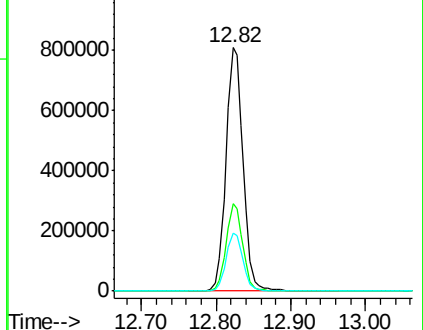
170 23.6 19.3 28.9

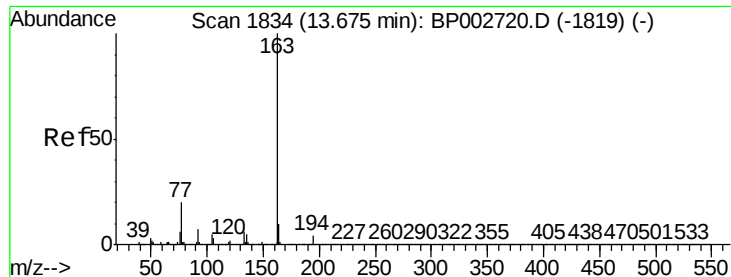


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 26.558 ng

RT: 13.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

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FK-GF-03-014-B

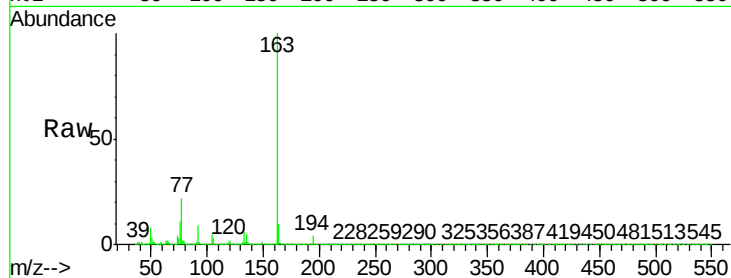
Tot Ion:163 Resp: 782234

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

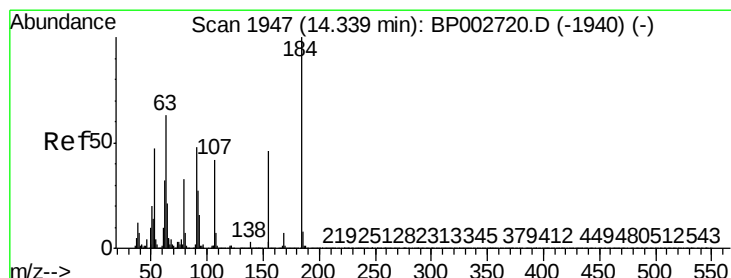
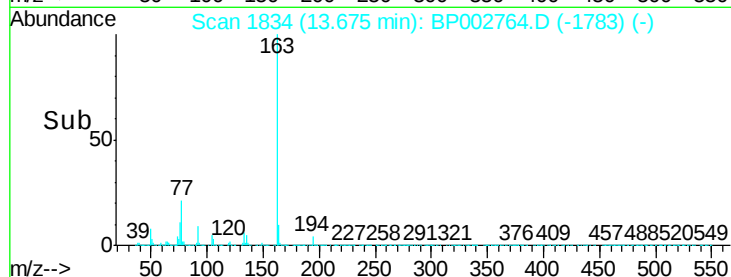
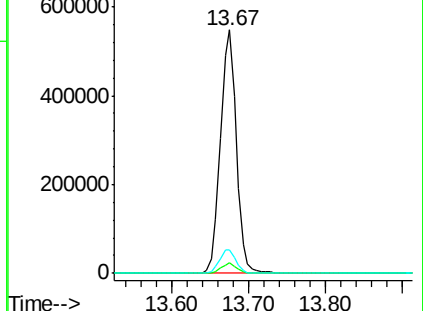
164 9.7 7.8 11.8



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: 11.394 ng

RT: 14.32 min Scan# 1943

Delta R.T. -0.02 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

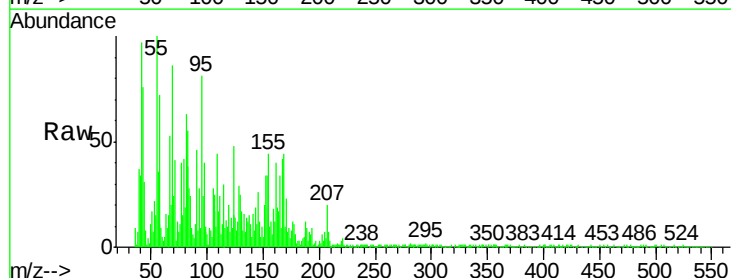
Tgt Ion:184 Resp: 81

Ion Ratio Lower Upper

184 100

63 623.0 51.6 77.4#

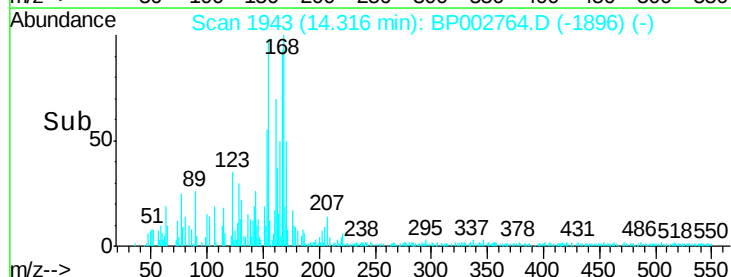
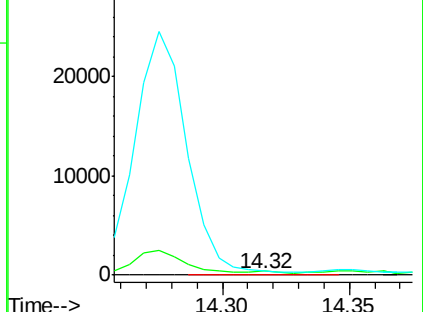
154 724.6 45.0 67.6#

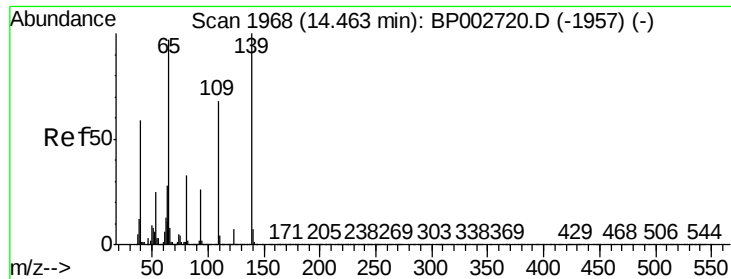


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

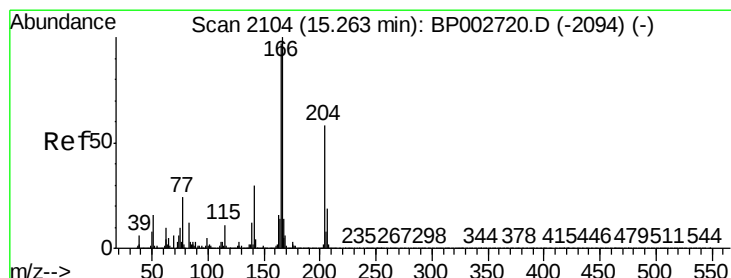
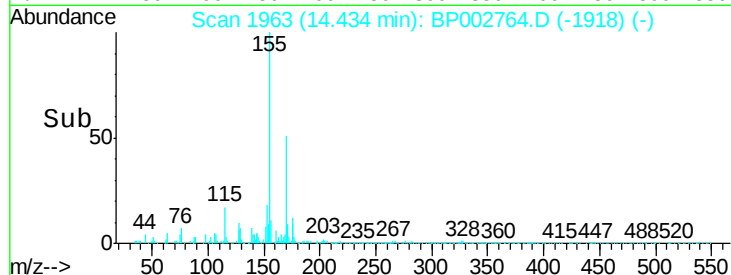
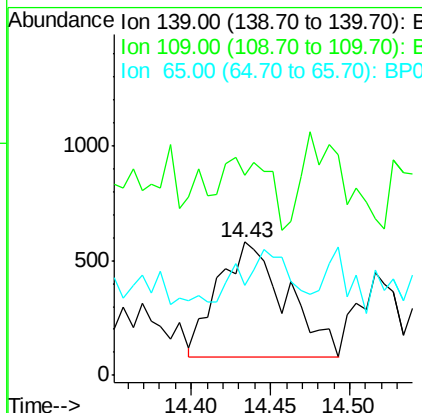
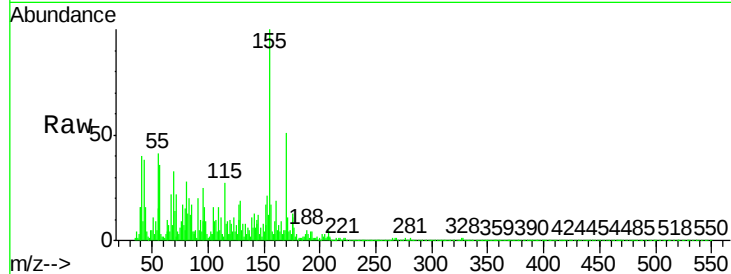




#56
4-Nitrophenol
Concen: 5.219 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.04 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

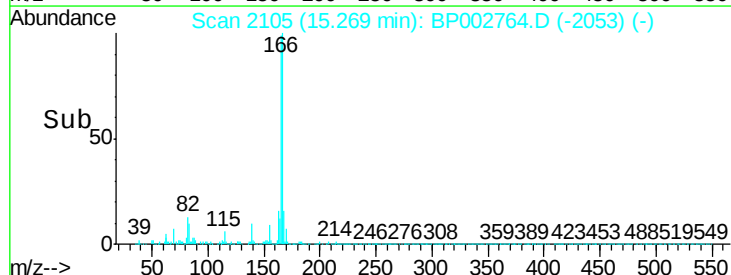
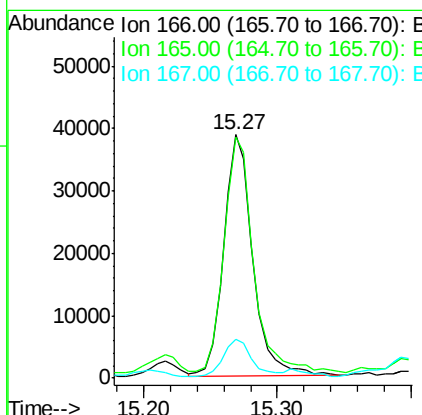
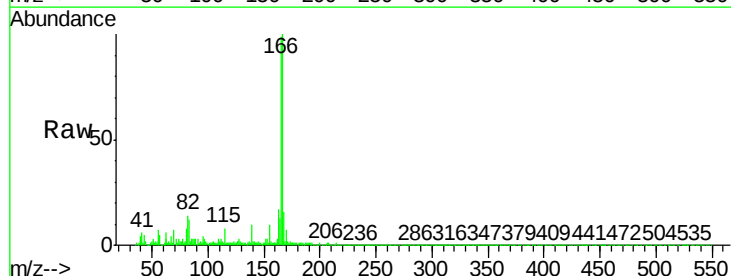
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-B

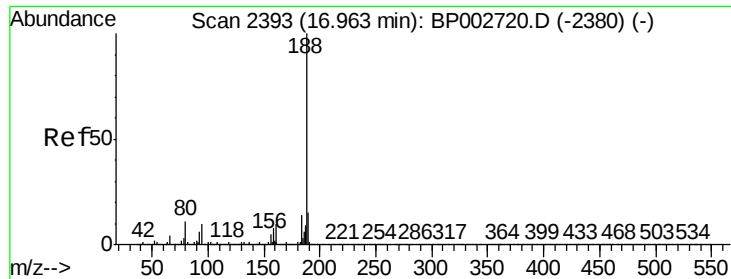
Tot Ion:139 Resp: 1490
Ion Ratio Lower Upper
139 100
109 150.6 48.1 88.1#
65 67.9 77.9 117.9#



#58
Fluorene
Concen: 2.249 ng
RT: 15.27 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

Tgt Ion:166 Resp: 58793
Ion Ratio Lower Upper
166 100
165 99.2 77.7 116.5
167 15.8 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

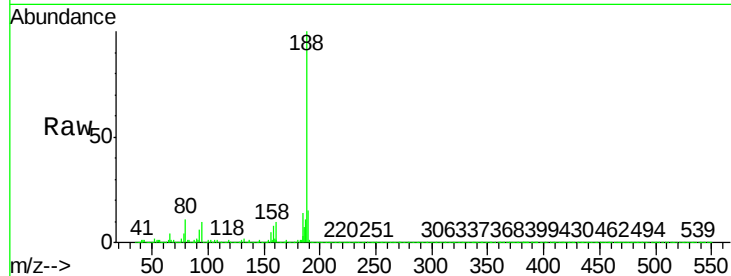
Tot Ion:188 Resp: 780694

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

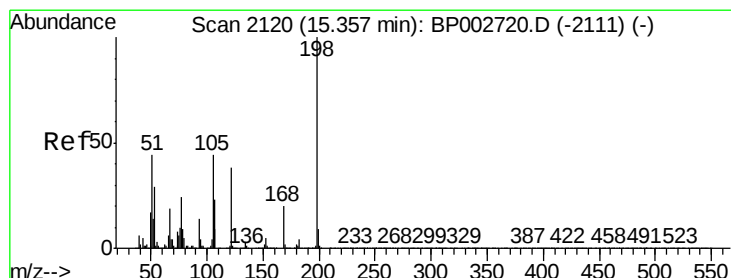
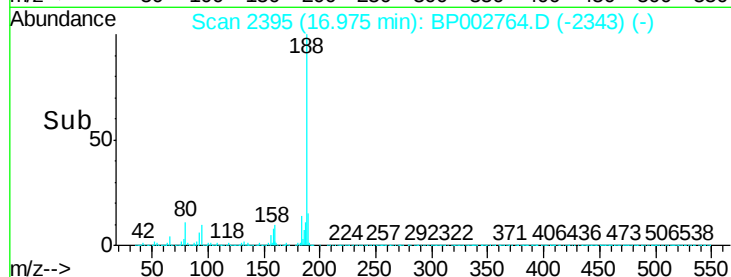
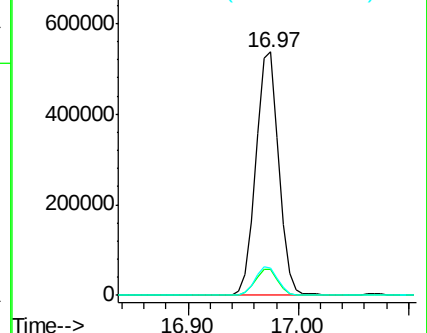
80 11.2 8.9 13.3



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: 5.283 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.02 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

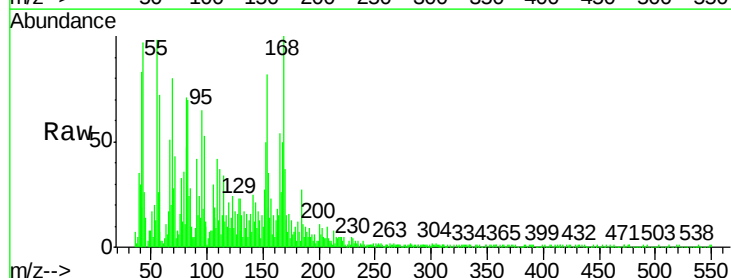
Tgt Ion:198 Resp: 88

Ion Ratio Lower Upper

198 100

51 646.7 27.1 67.1#

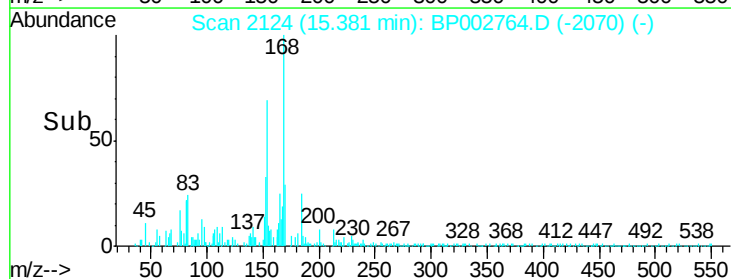
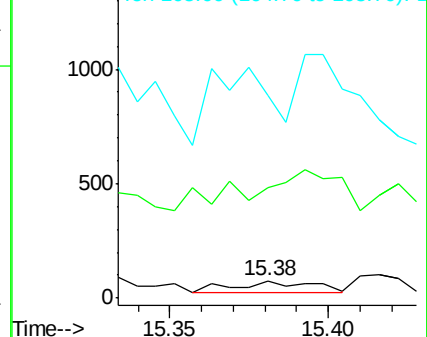
105 1184.0 24.9 64.9#

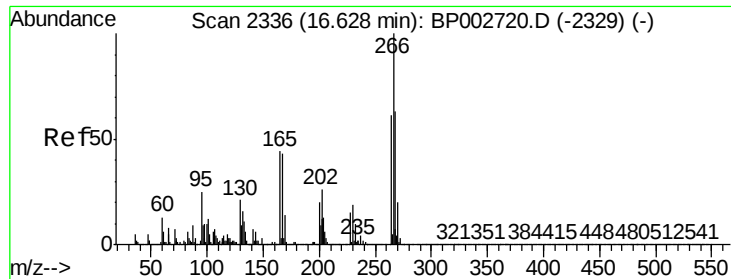


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 7.484 ng

RT: 16.86 min Scan# 2376

Delta R.T. 0.23 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

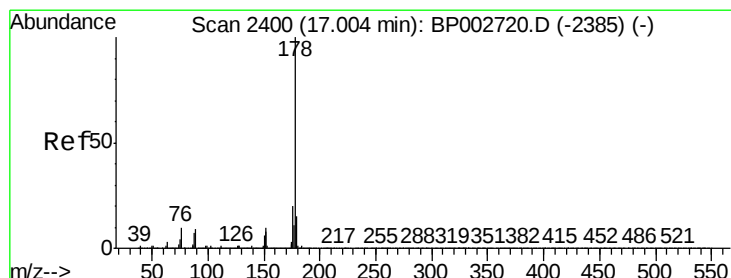
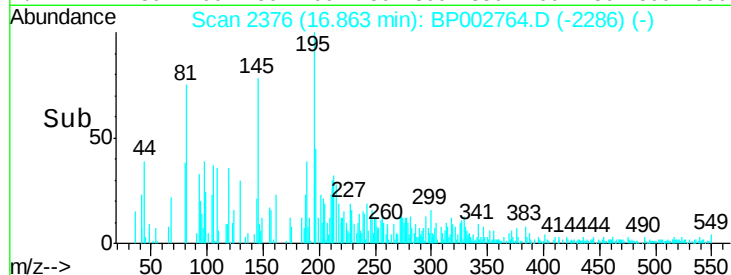
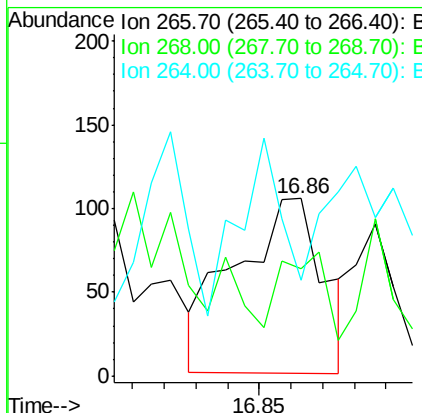
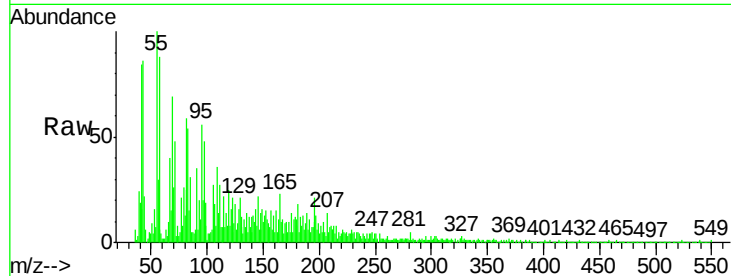
Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

Tot Ion:	266	Resp:	203
Ion	Ratio	Lower	Upper
266	100		
268	60.4	50.6	75.8
264	53.8	48.6	72.8



#71

Phenanthrene

Concen: 14.506 ng

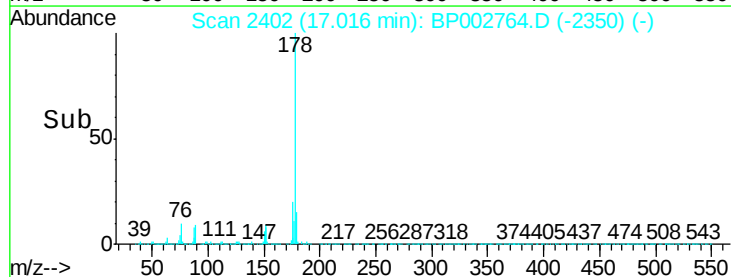
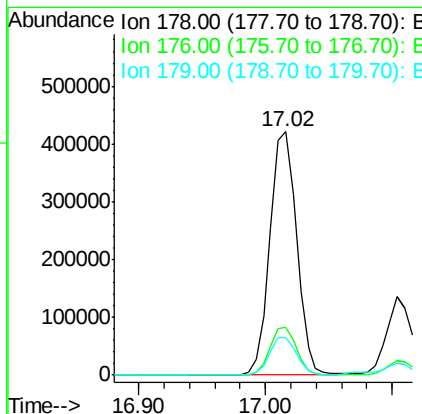
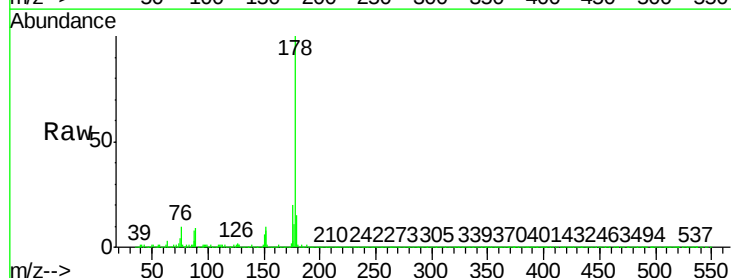
RT: 17.02 min Scan# 2402

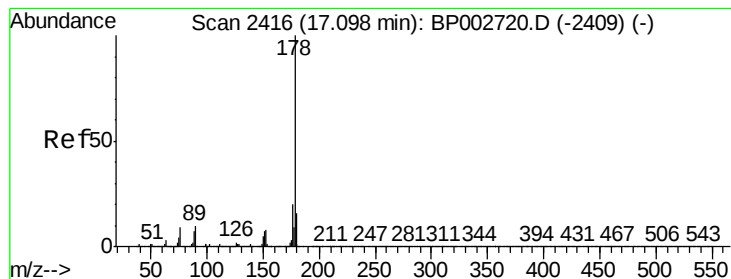
Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Tgt Ion:	178	Resp:	613162
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.4	12.3	18.5





#72

Anthracene

Concen: 4.457 ng

RT: 17.10 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

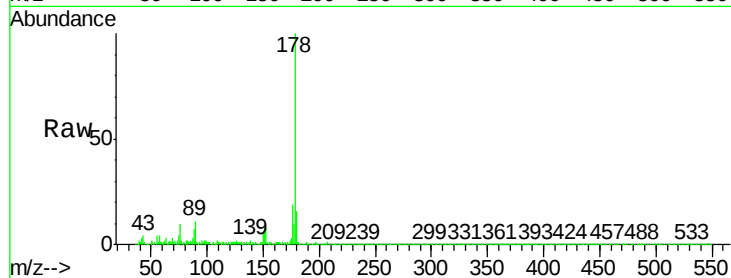
Tot Ion:178 Resp: 184882

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

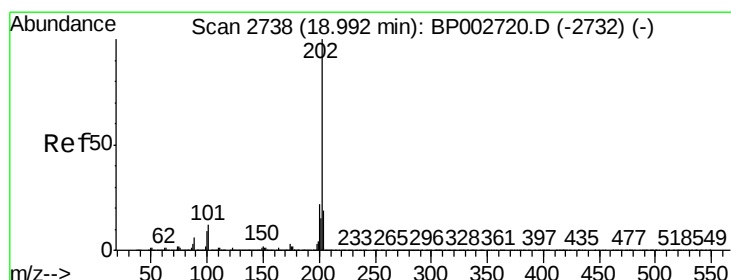
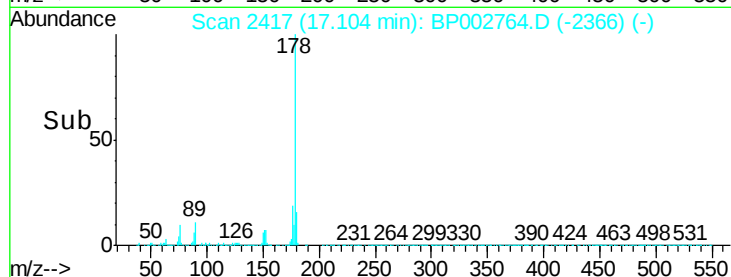
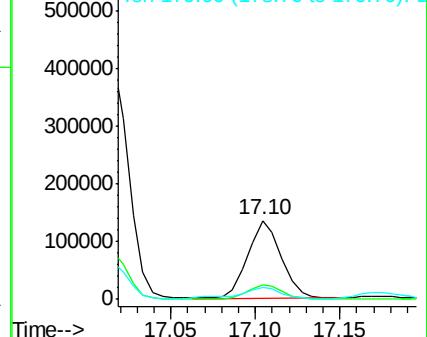
179 16.0 12.6 19.0



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: 18.088 ng

RT: 19.00 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

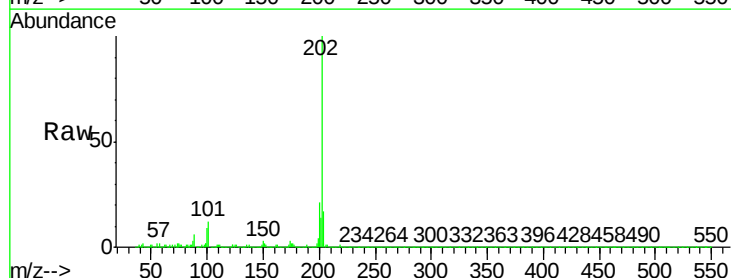
Tgt Ion:202 Resp: 885905

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.5

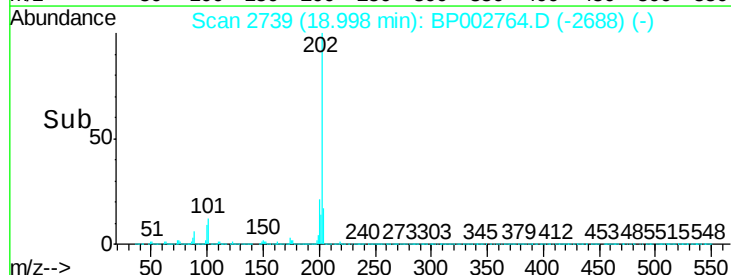
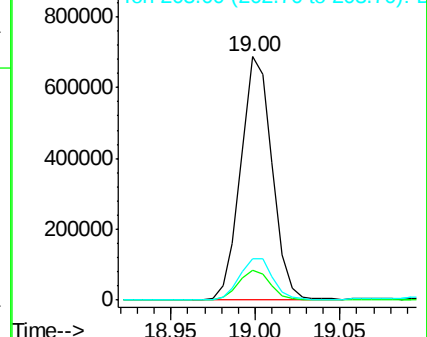
203 17.2 0.0 38.6

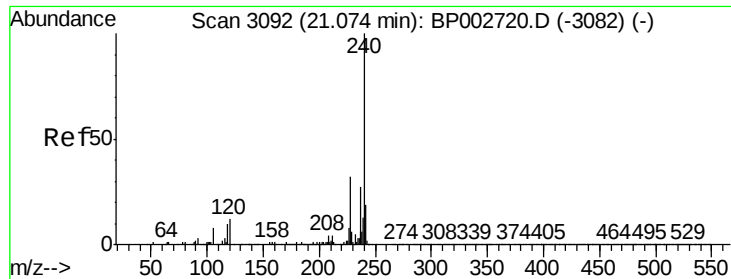


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

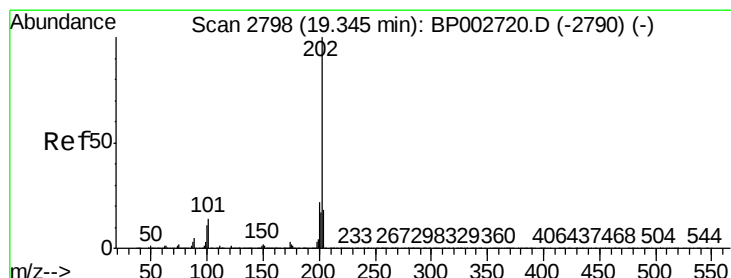
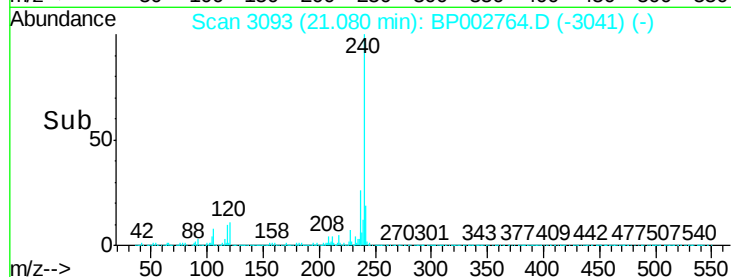
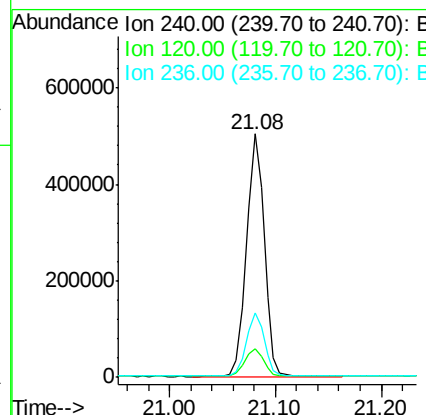
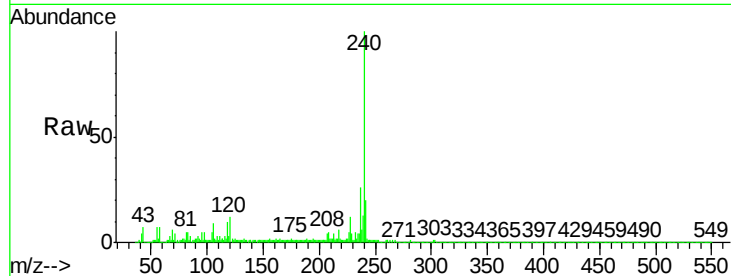




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

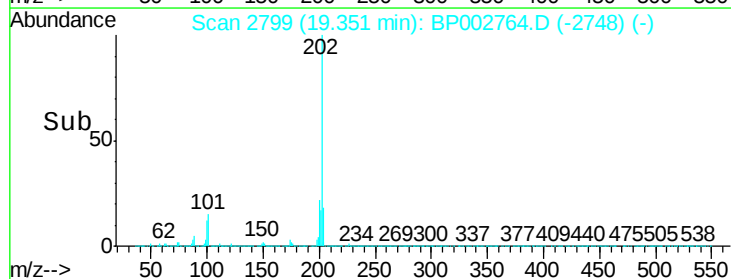
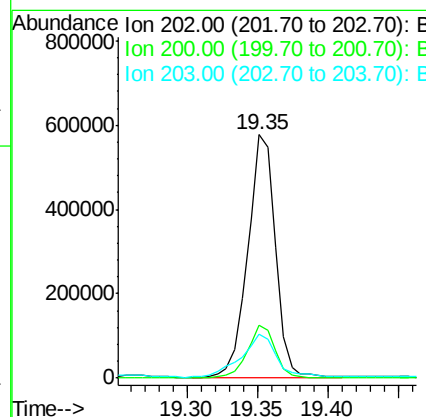
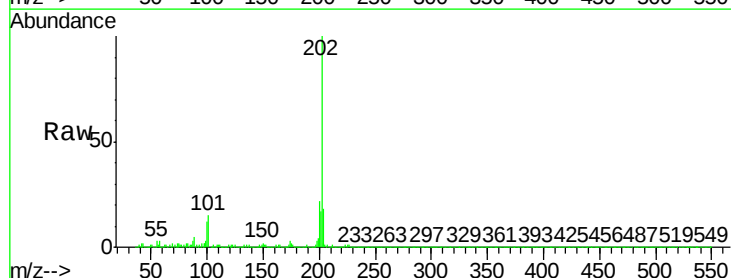
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-B

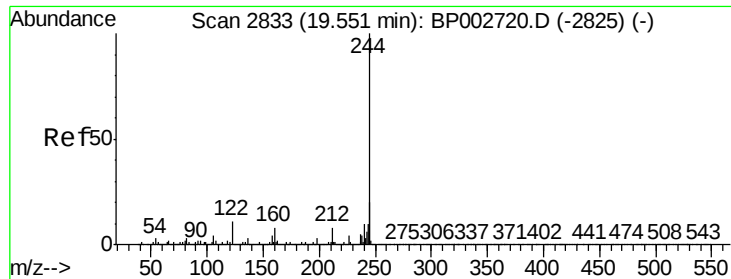
Tot Ion:240 Resp: 581943
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 26.4 21.3 31.9



#78
Pyrene
Concen: 19.681 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

Tgt Ion:202 Resp: 790771
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 18.0 14.5 21.7





#79

Terphenyl-d14

Concen: 57.983 ng

RT: 19.56 min Scan# 2835

Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

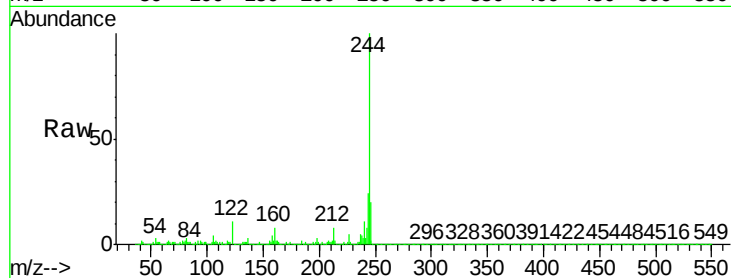
Tot Ion:244 Resp: 1471739

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

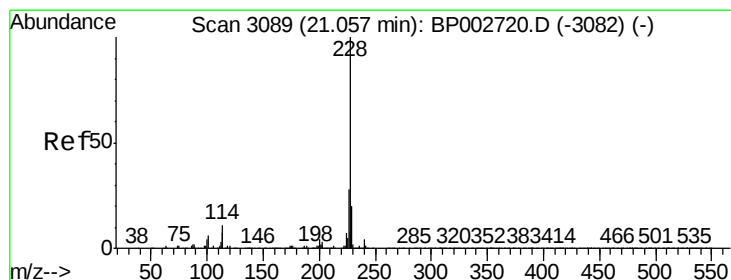
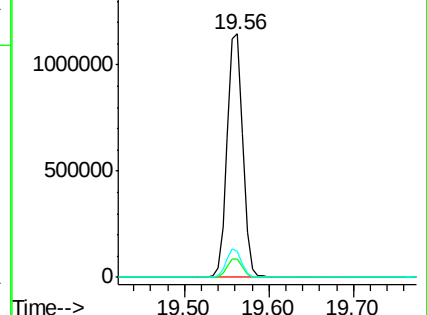
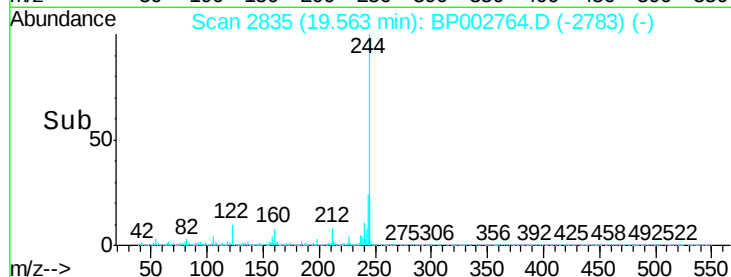
122 10.6 8.9 13.3



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: 8.721 ng

RT: 21.07 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

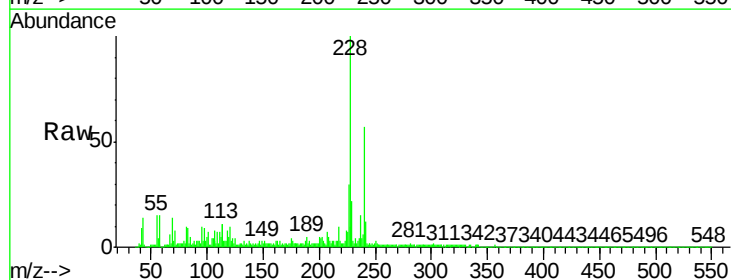
Tgt Ion:228 Resp: 328522

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

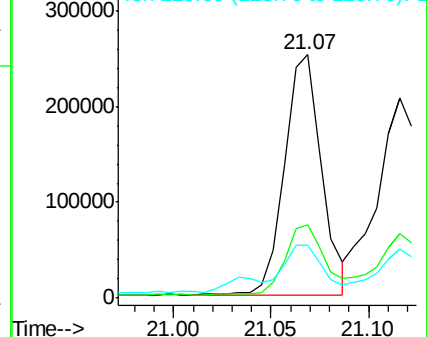
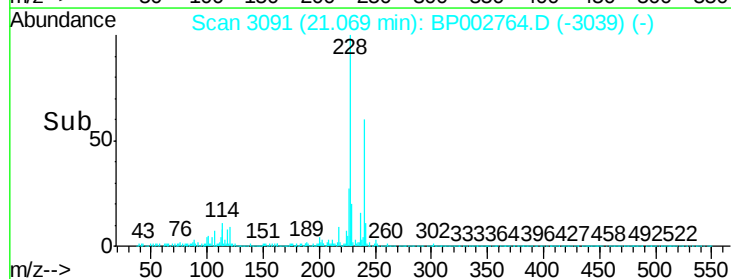
229 21.8 16.0 24.0

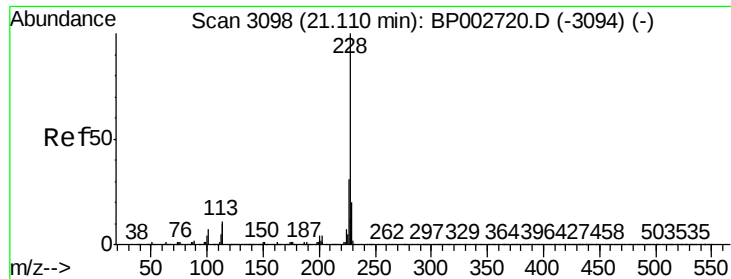


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

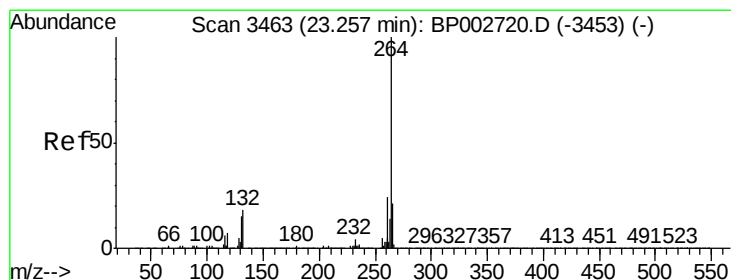
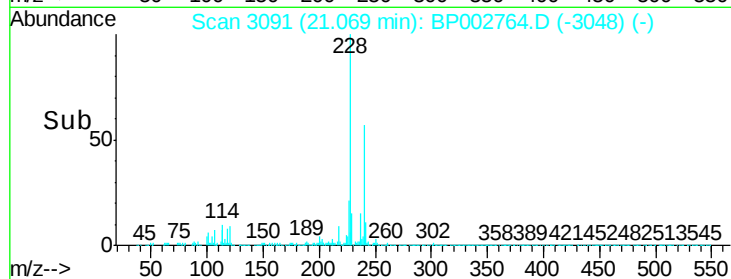
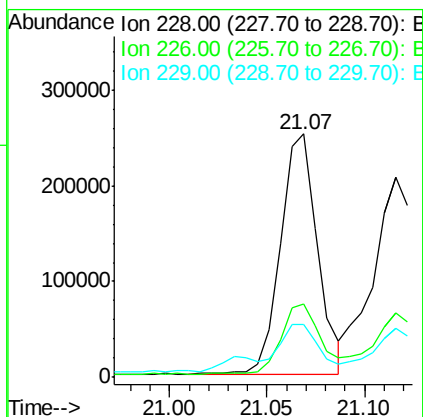
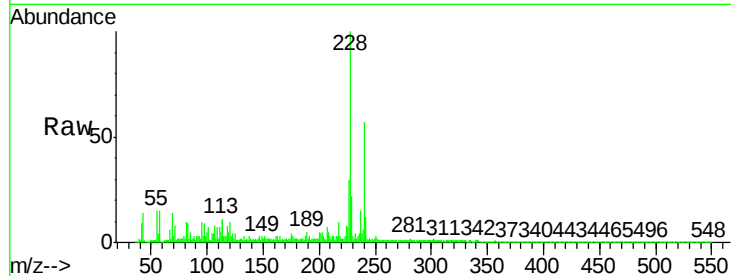




#83
Chrysene
Concen: 9.162 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.05 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

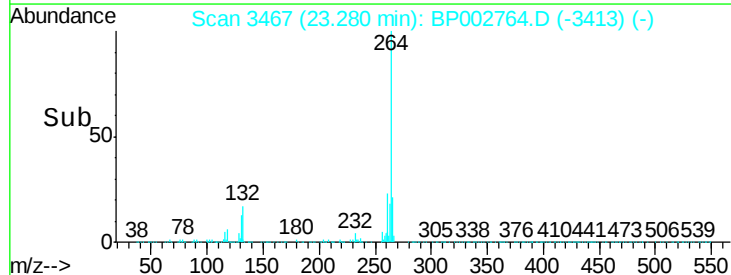
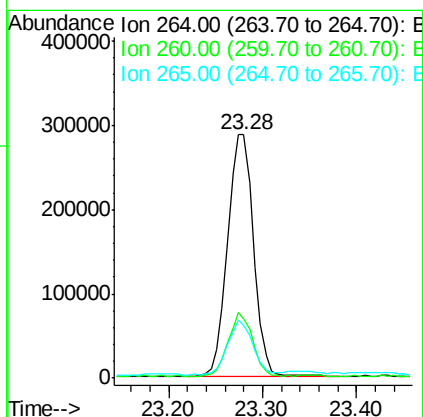
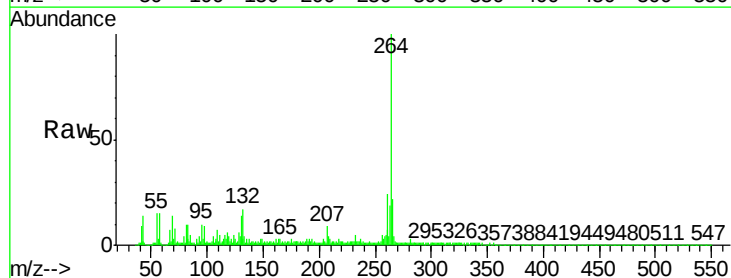
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-B

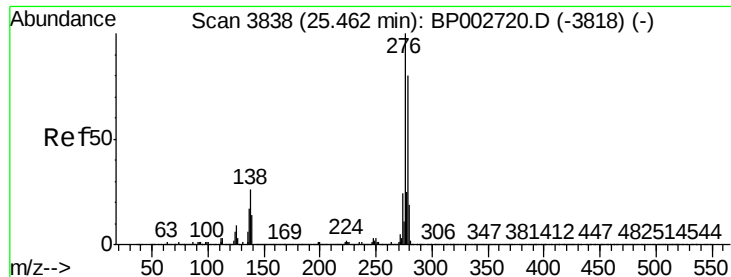
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	21.8	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BP002764.D
Acq: 15 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	21.9	16.8	25.2

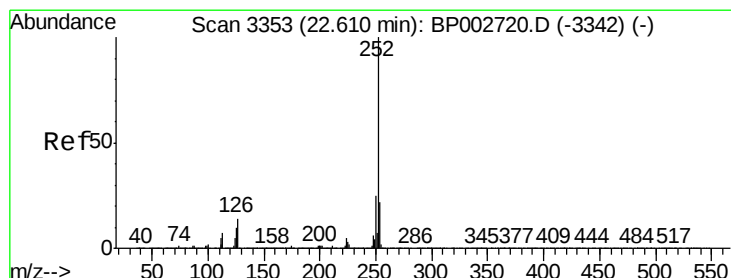
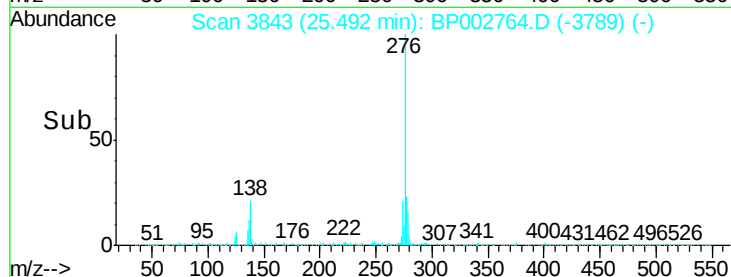
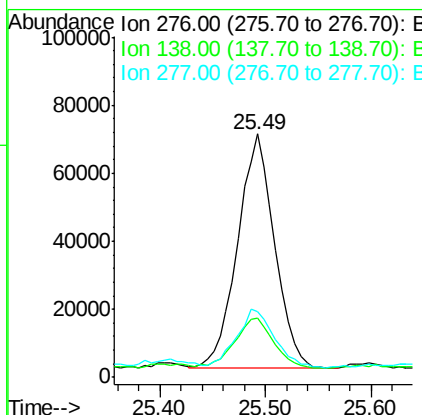
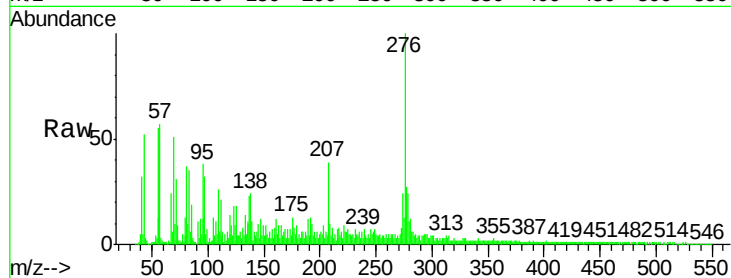




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.251 ng
 RT: 25.49 min Scan# 3843
 Delta R.T. 0.02 min
 Lab File: BP002764.D
 Acq: 15 Jul 2020 20:45

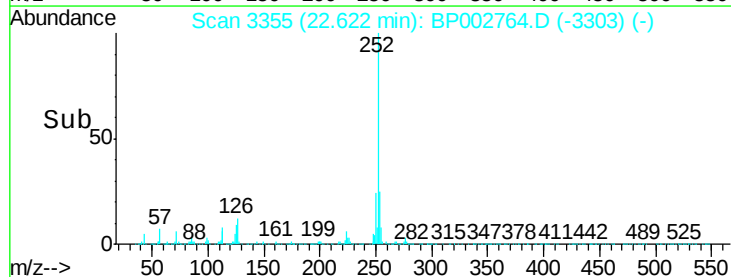
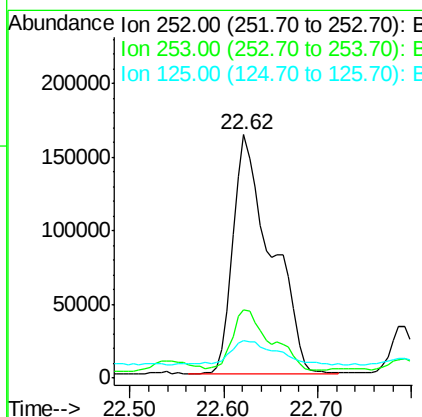
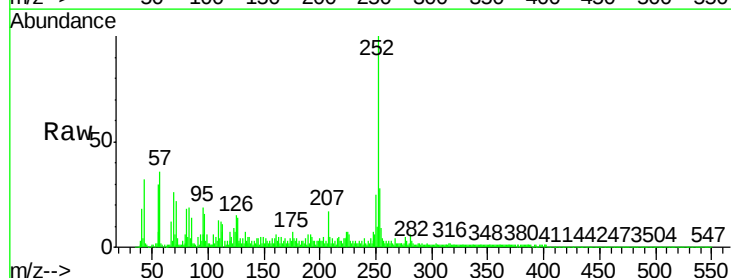
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-014-B

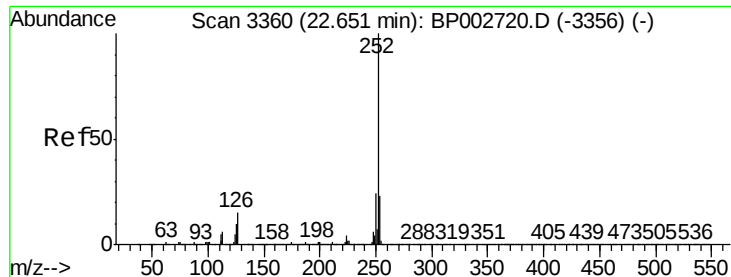
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.8	31.2
277	25.6	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 13.467 ng
 RT: 22.62 min Scan# 3355
 Delta R.T. 0.01 min
 Lab File: BP002764.D
 Acq: 15 Jul 2020 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.7	26.5#
125	15.2	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 13.672 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

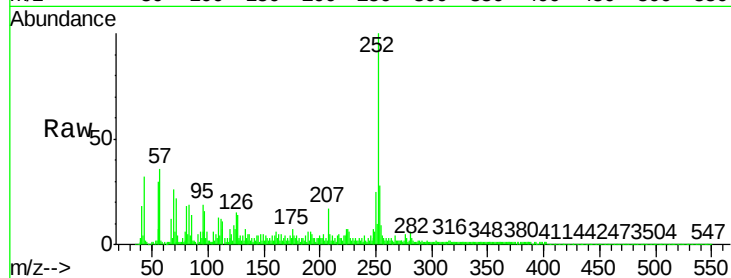
Tot Ion:252 Resp: 458324

Ion Ratio Lower Upper

252 100

253 28.0 17.8 26.8#

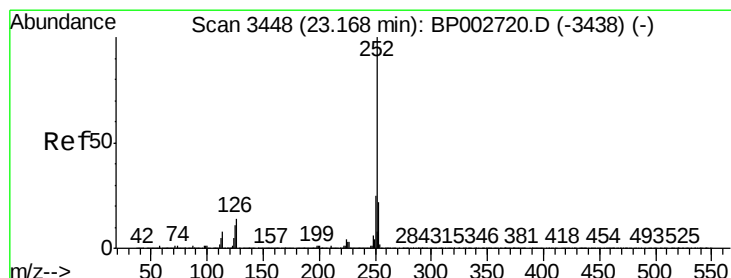
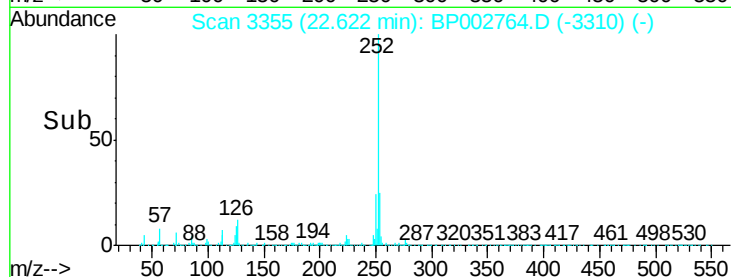
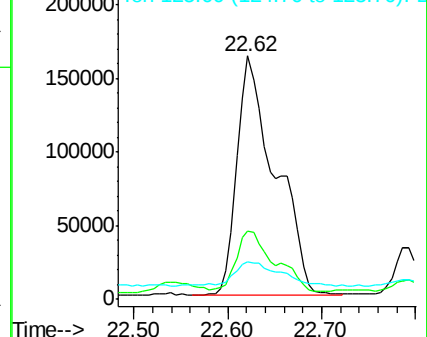
125 15.2 8.3 12.5#



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: 7.847 ng

RT: 23.18 min Scan# 3450

Delta R.T. 0.01 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

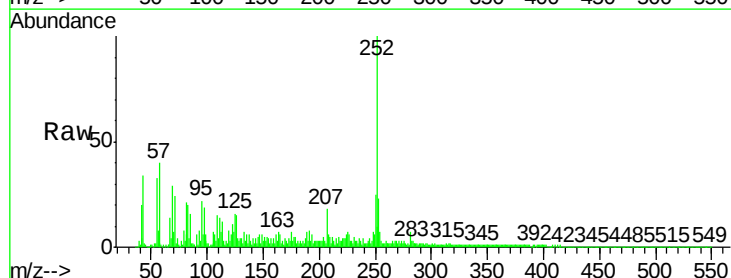
Tgt Ion:252 Resp: 253085

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

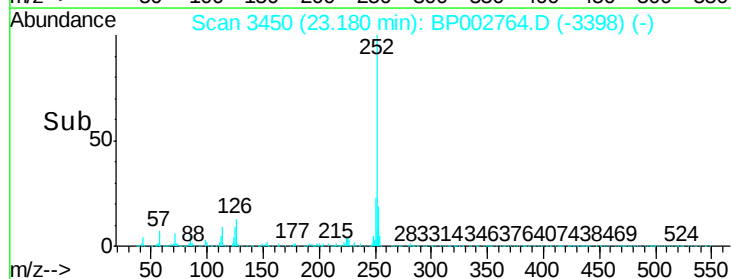
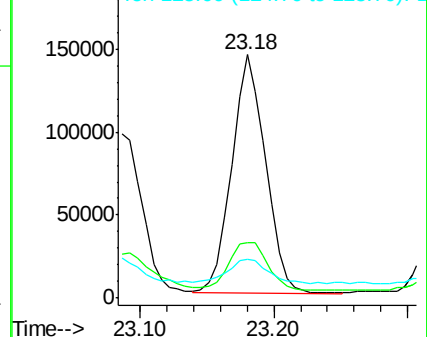
125 16.2 8.6 13.0#

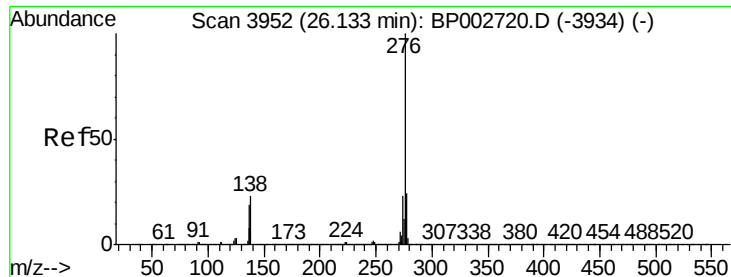


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.308 ng

RT: 26.16 min Scan# 3957

Delta R.T. 0.02 min

Lab File: BP002764.D

Acq: 15 Jul 2020 20:45

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-B

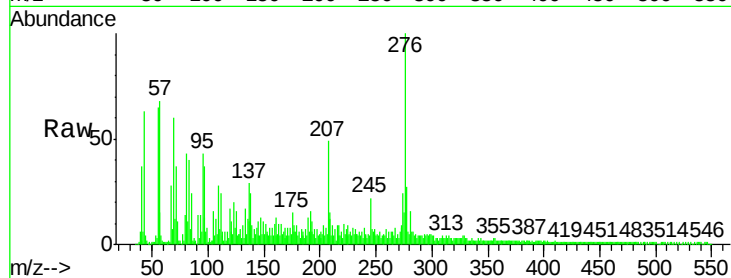
Tot Ion: 276 Resp: 171948

Ion Ratio Lower Upper

276 100

277 27.1 19.1 28.7

138 23.7 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

