

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002762.D
 Acq On : 15 Jul 2020 19:37
 Operator : CG/JU
 Sample : L3302-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-013-B

Quant Time: Jul 16 00:42:00 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	163550	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	675755	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	392694	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	794832	20.00	ng	0.00
76) Chrysene-d12	21.08	240	595749	20.00	ng	0.00
86) Perylene-d12	23.27	264	563902	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	684896	70.65	ng	0.00
7) Phenol-d6	6.76	99	964231	69.70	ng	0.00
23) Nitrobenzene-d5	8.70	82	603227	47.74	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	224117	54.67	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1244507	49.03	ng	0.00
79) Terphenyl-d14	19.56	244	1386557	53.36	ng	0.00

Target Compounds

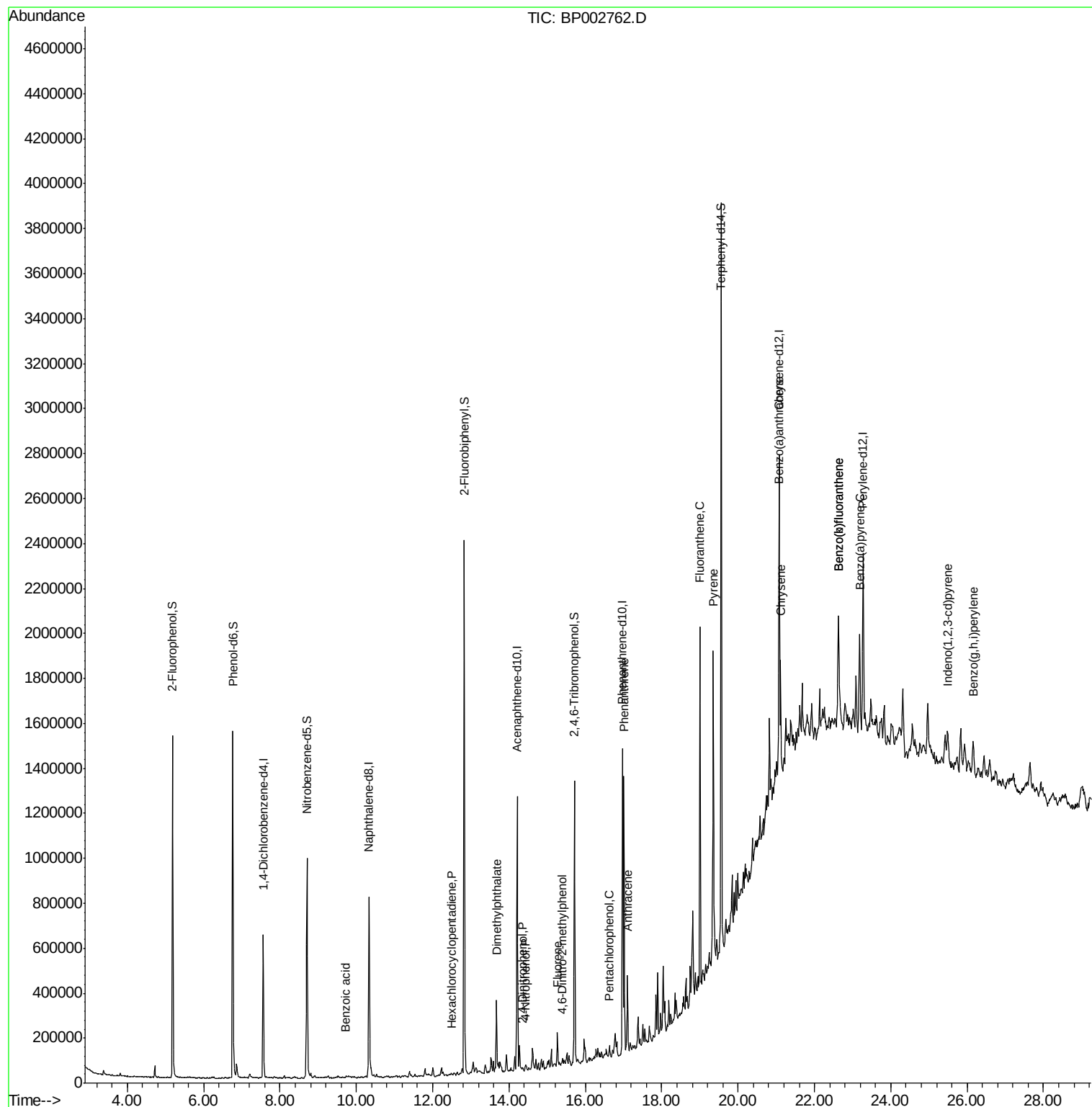
						Qvalue
32) Benzoic acid	9.71	122	43	7.067	ng	# 1
41) Hexachlorocyclopentadiene	12.49	237	27	7.439	ng	80
50) Dimethylphthalate	13.67	163	204091	6.815	ng	99
54) 2,4-Dinitrophenol	14.34	184	45	11.385	ng	# 1
56) 4-Nitrophenol	14.43	139	977	5.131	ng	# 44
58) Fluorene	15.27	166	64318	2.419	ng	97
65) 4,6-Dinitro-2-methylphenol	15.39	198	92	5.284	ng	# 1
70) Pentachlorophenol	16.63	266	90	7.460	ng	87
71) Phenanthrene	17.01	178	720416	16.740	ng	99
72) Anthracene	17.10	178	203858	4.827	ng	99
75) Fluoranthene	19.00	202	909250	18.234	ng	99
78) Pyrene	19.35	202	805173	19.575	ng	98
81) Benzo(a)anthracene	21.06	228	347985	9.023	ng	97
83) Chrysene	21.12	228	308217	8.396	ng	97
87) Indeno(1,2,3-cd)pyrene	25.48	276	156956	3.851	ng	97
88) Benzo(b)fluoranthene	22.62	252	445261	12.716	ng	# 83
89) Benzo(k)fluoranthene	22.62	252	445261	12.910	ng	# 83
90) Benzo(a)pyrene	23.18	252	242819	7.318	ng	# 88
92) Benzo(a,h,i)perylene	26.16	276	158462	4.755	ng	96

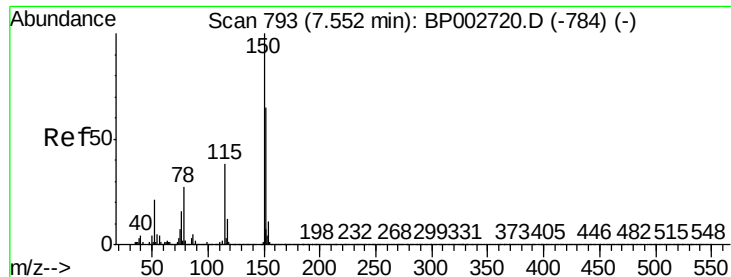
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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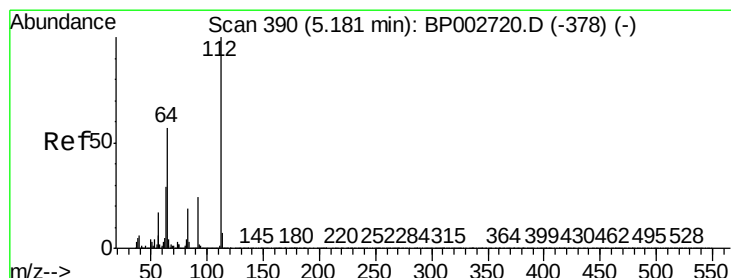
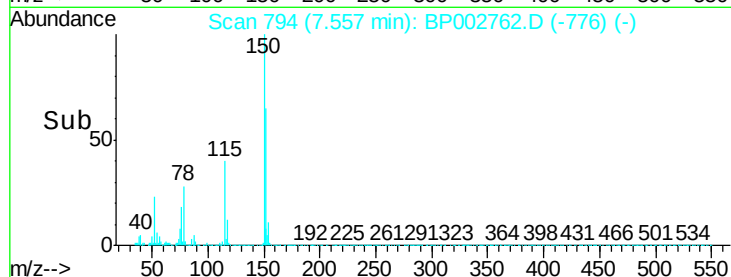
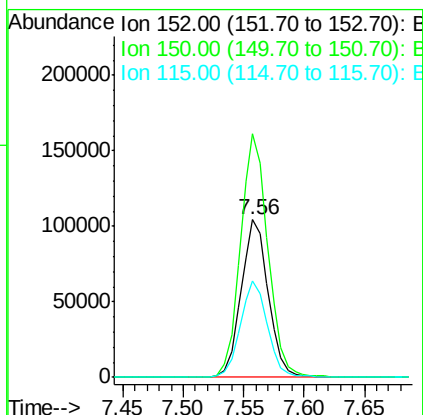
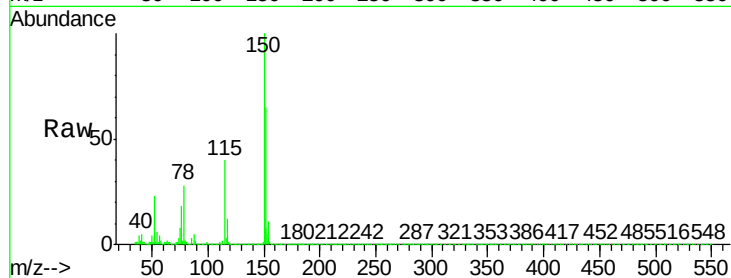


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

Instrument :
BNA_P
ClientSampleId :
FK-GF-03-013-B

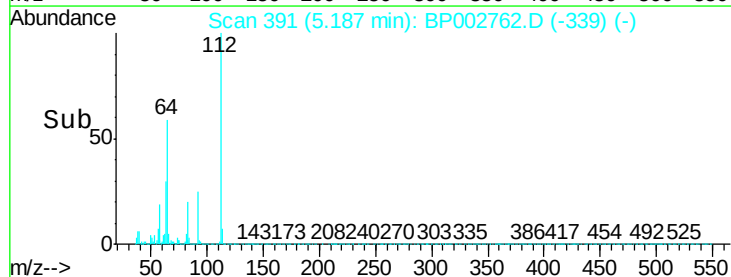
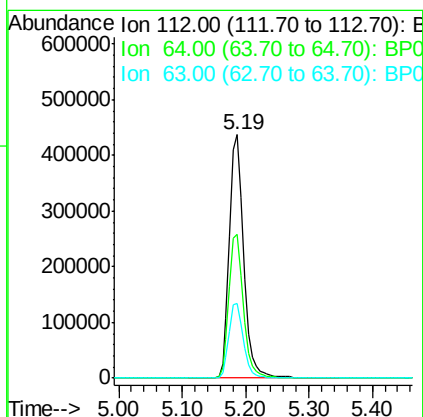
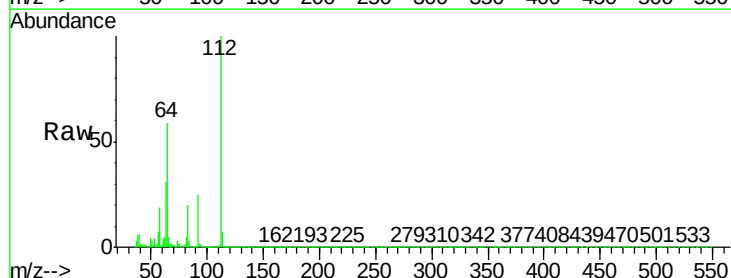
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.7	185.5
115	61.7	47.2	70.8

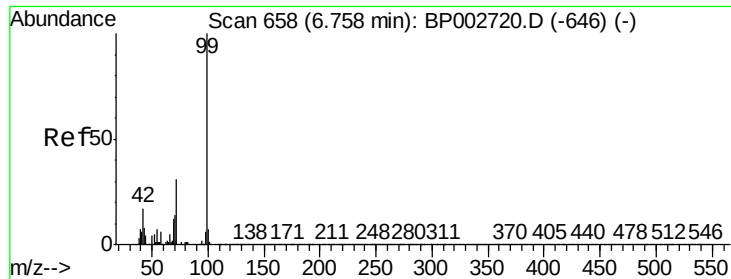


#5

2-Fluorophenol
Concen: 70.654 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	45.6	68.4
63	30.5	23.5	35.3





#7

Phenol-d6

Concen: 69.698 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

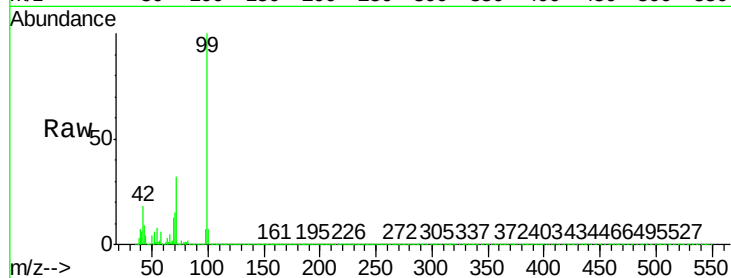
Tot Ion: 99 Resp: 964231

Ion Ratio Lower Upper

99 100

42 17.8 13.4 20.2

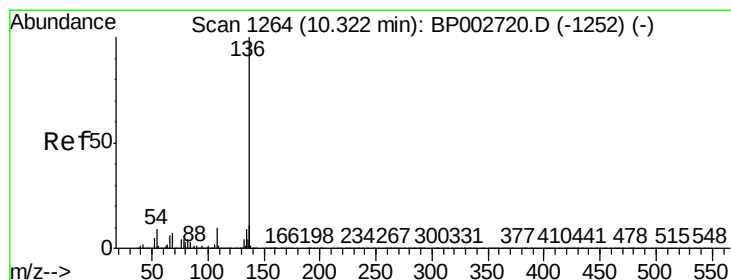
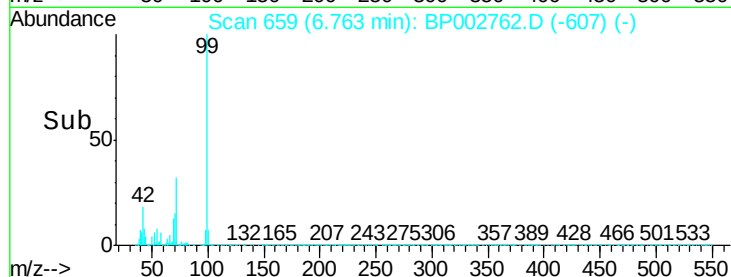
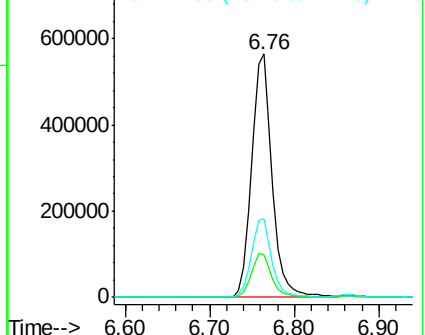
71 32.4 24.6 36.8



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# 1265

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Tgt Ion: 136 Resp: 675755

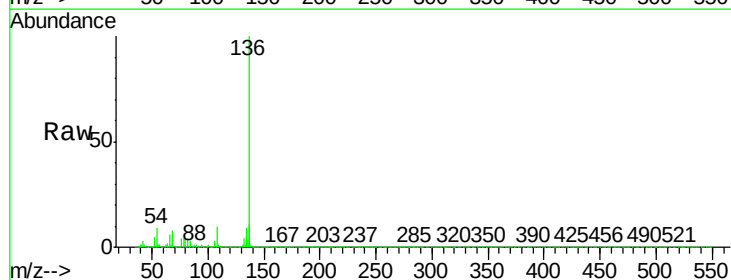
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 9.1 6.9 10.3

68 7.8 5.7 8.5

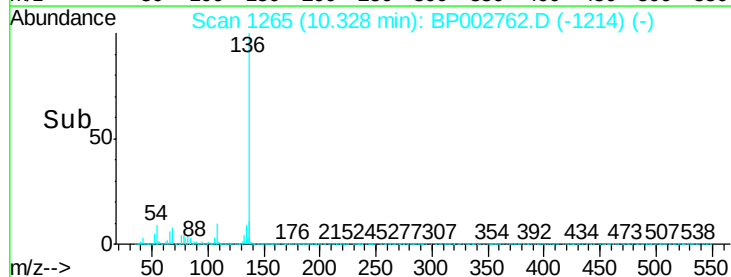
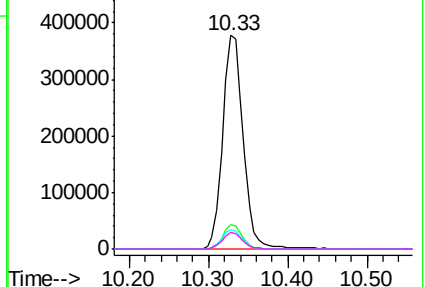


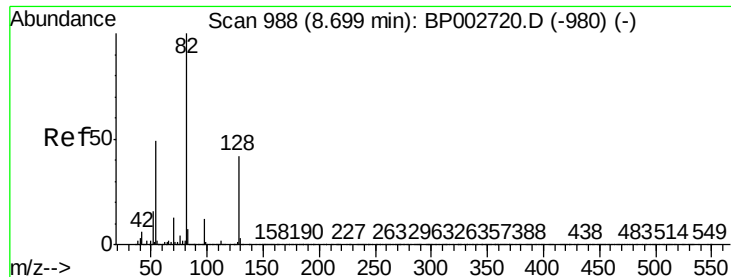
Abundance Ion 136.00 (135.70 to 136.70): E

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

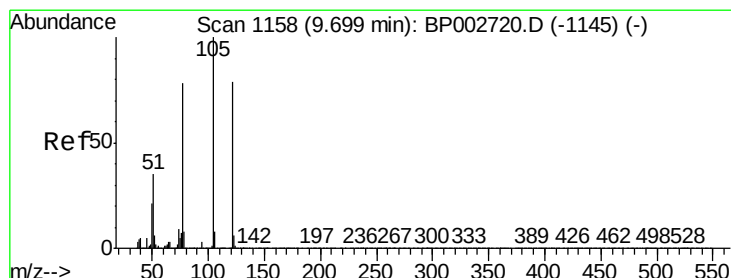
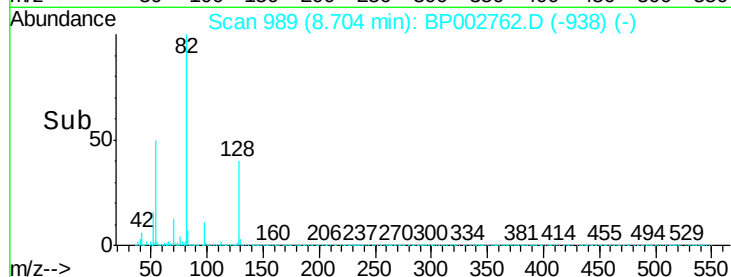
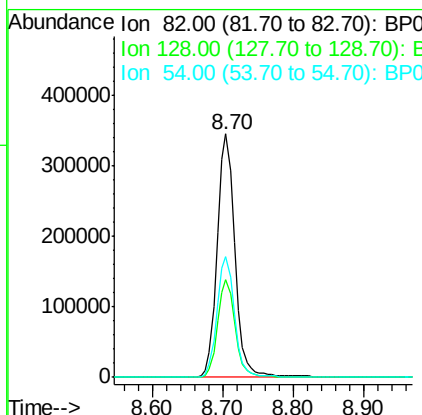
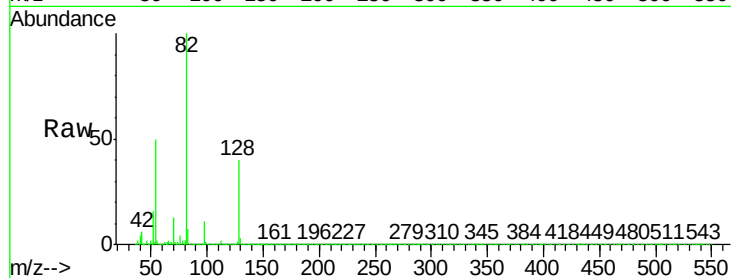




#23
Nitrobenzene-d5
Concen: 47.743 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

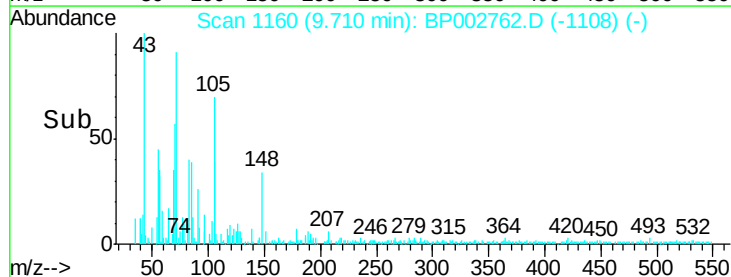
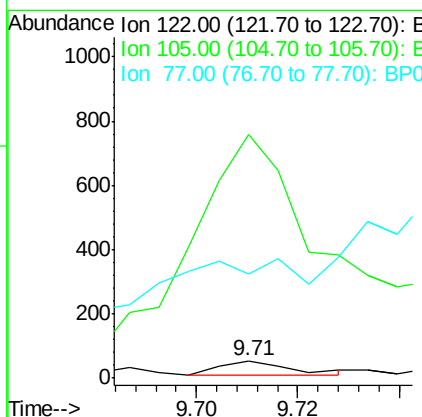
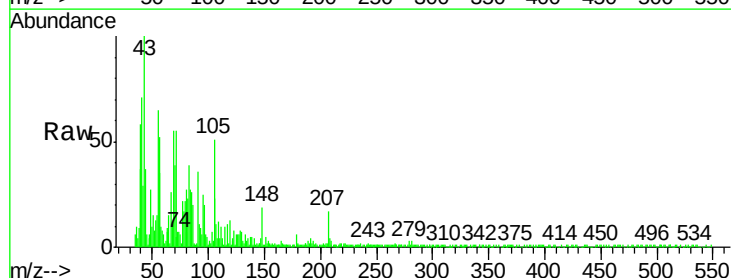
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-013-B

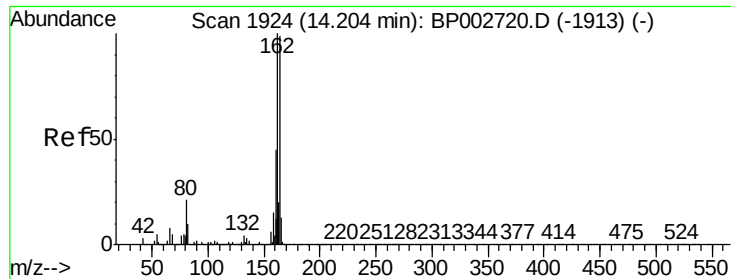
Tot Ion	82	Resp	603227
Ion Ratio	Lower	Upper	
82	100		
128	40.4	33.8	50.8
54	49.5	38.8	58.2



#32
Benzoic acid
Concen: 7.067 ng
RT: 9.71 min Scan# 1160
Delta R.T. 0.01 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

Tgt Ion	122	Resp	43
Ion Ratio	Lower	Upper	
122	100		
105	1403.7	105.4	145.4#
77	598.1	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: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

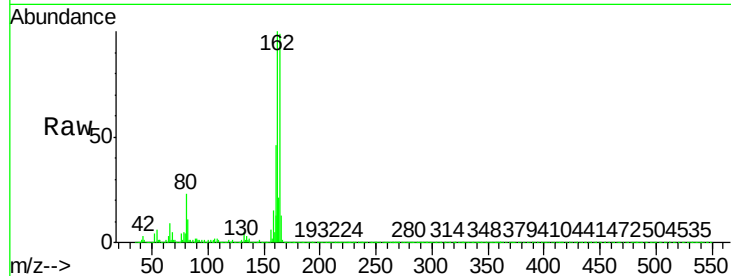
Tot Ion:164 Resp: 392694

Ion Ratio Lower Upper

164 100

162 101.2 80.6 121.0

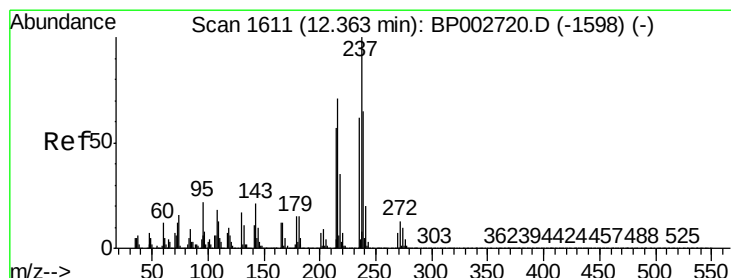
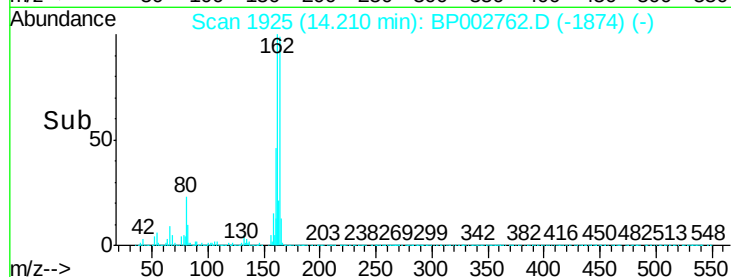
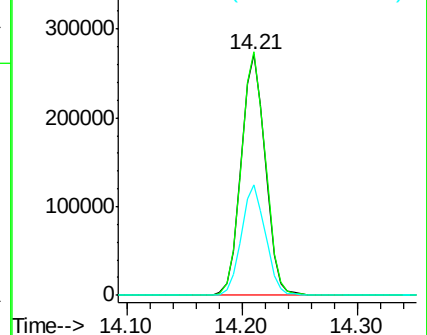
160 46.2 36.4 54.6



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: 12.49 min Scan# 1632

Delta R.T. 0.12 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

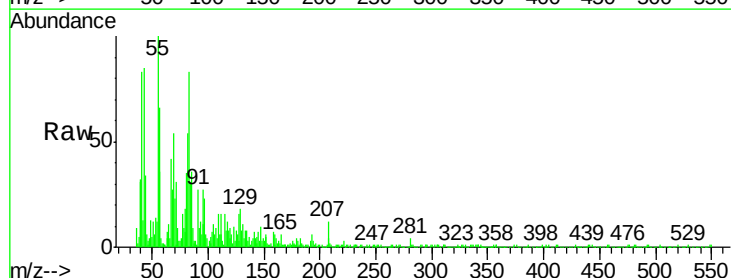
Tgt Ion:237 Resp: 27

Ion Ratio Lower Upper

237 100

235 76.2 42.3 82.3

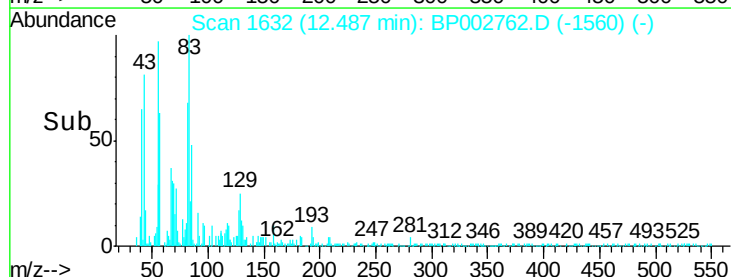
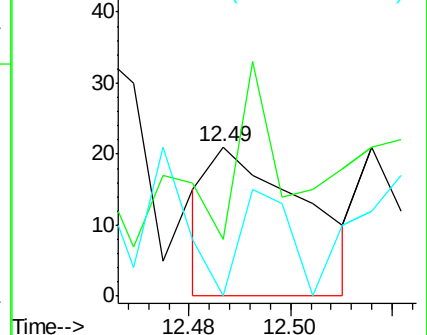
272 0.0 0.0 32.5

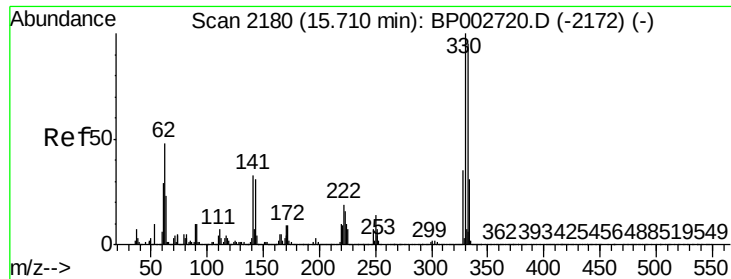


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

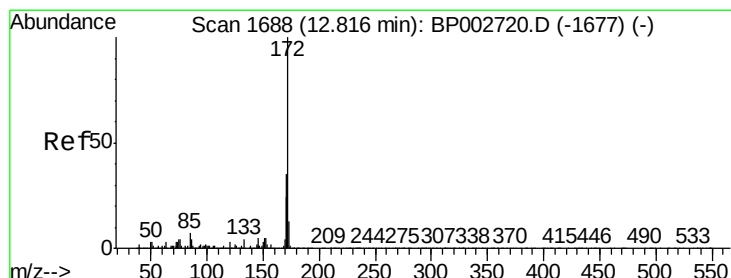
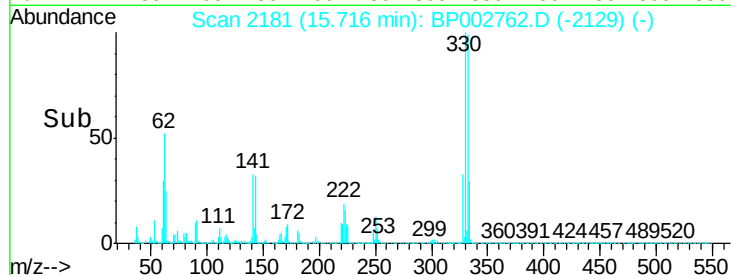
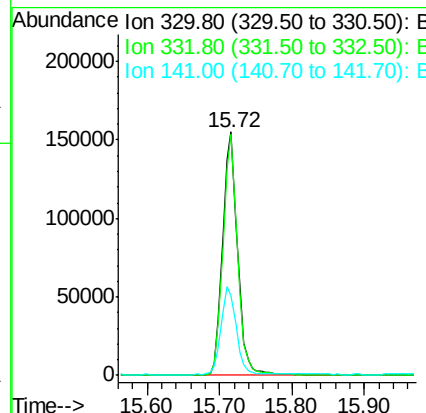
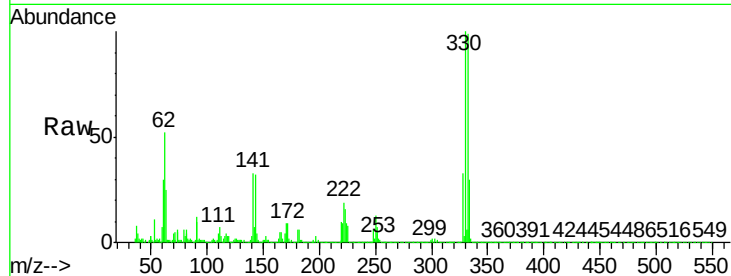




#42
 2,4,6-Tribromophenol
 Concen: 54.675 ng
 RT: 15.72 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: BP002762.D
 Acq: 15 Jul 2020 19:37

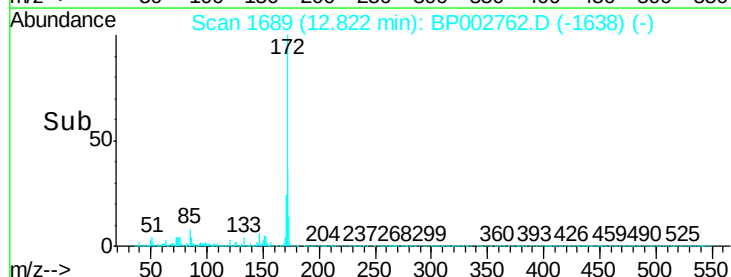
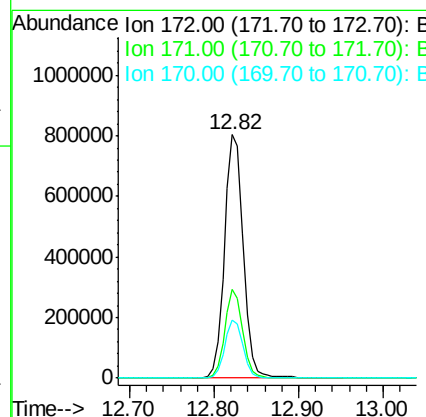
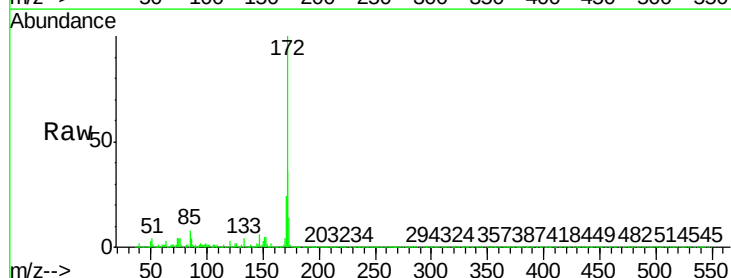
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-013-B

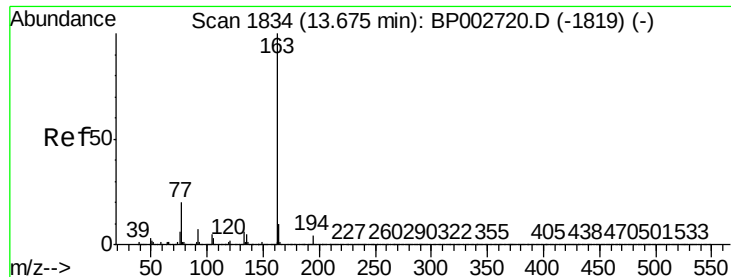
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.5	114.7
141	37.4	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 49.026 ng
 RT: 12.82 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BP002762.D
 Acq: 15 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.1	42.1
170	23.9	19.3	28.9





#50

Dimethylphthalate

Concen: 6.815 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

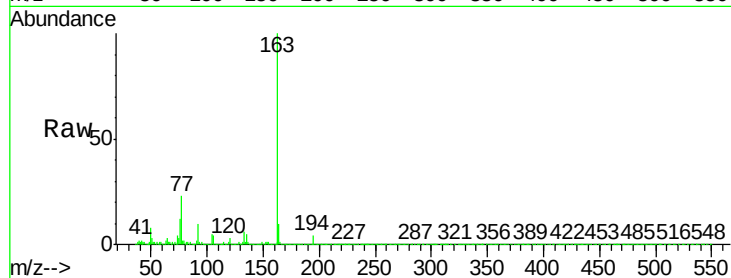
Tot Ion:163 Resp: 204091

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

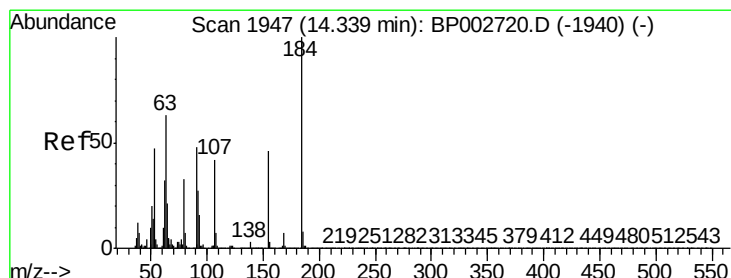
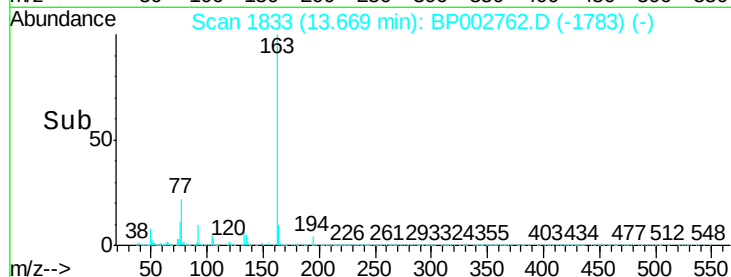
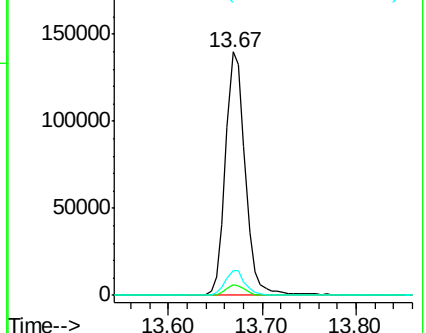
164 10.2 7.8 11.8



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: 11.385 ng

RT: 14.34 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

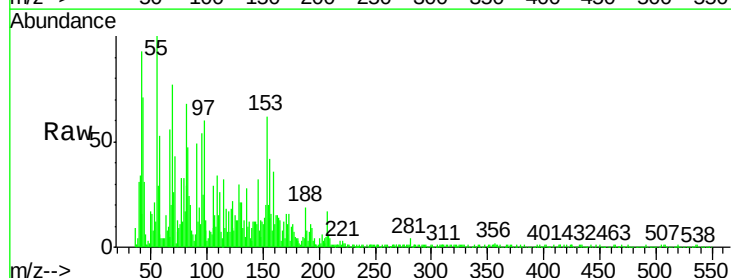
Tgt Ion:184 Resp: 45

Ion Ratio Lower Upper

184 100

63 582.1 51.6 77.4#

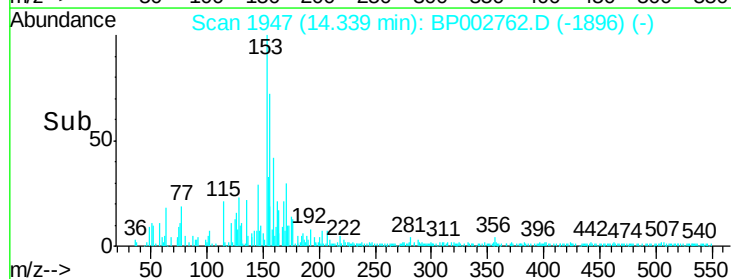
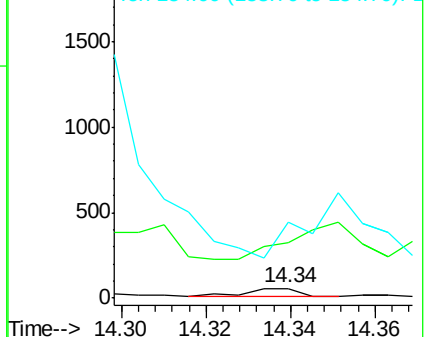
154 791.1 45.0 67.6#

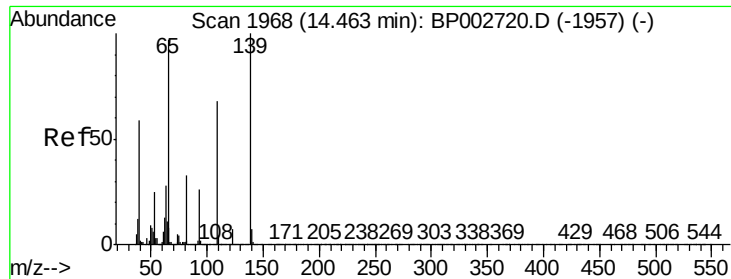


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

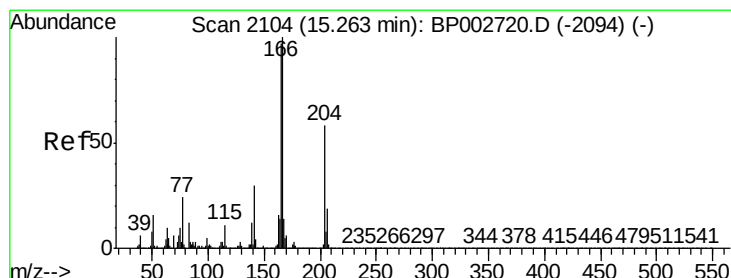
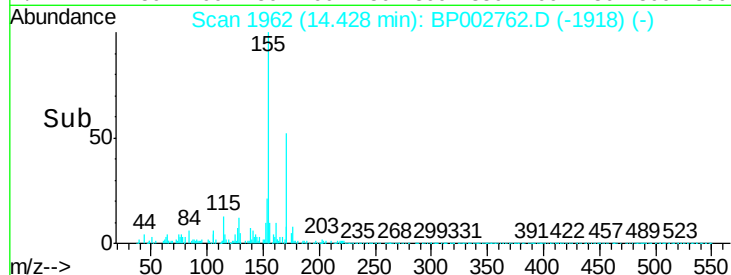
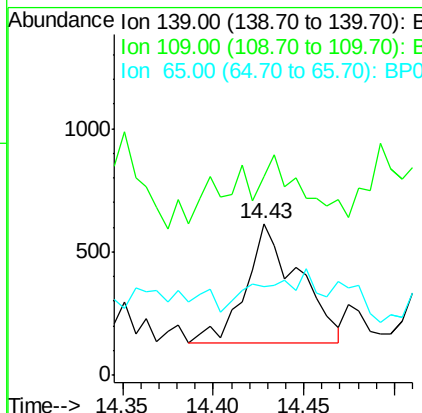
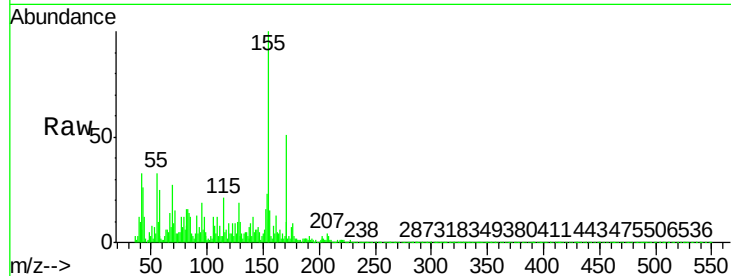




#56
4-Nitrophenol
Concen: 5.131 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.04 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

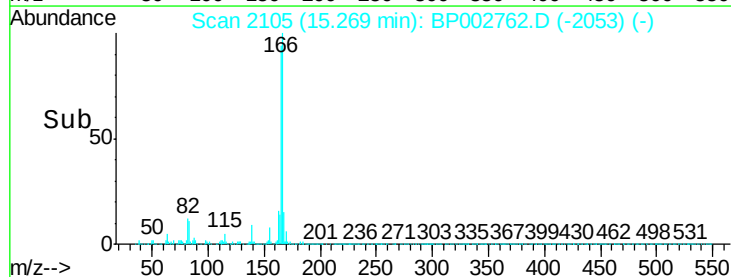
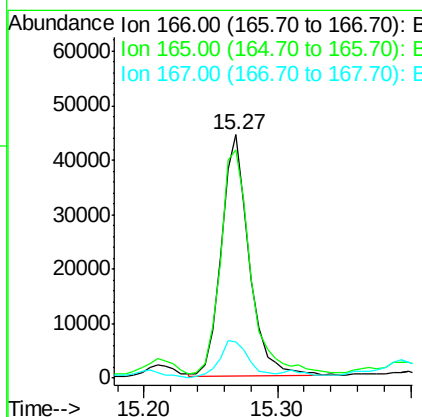
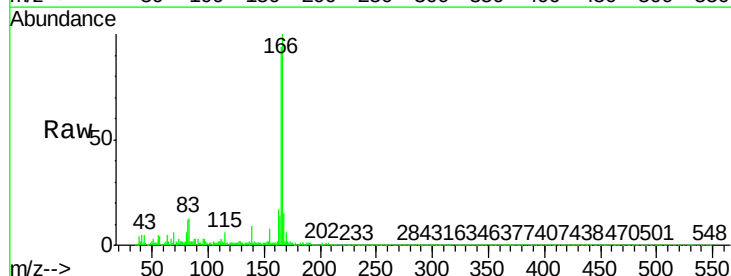
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-013-B

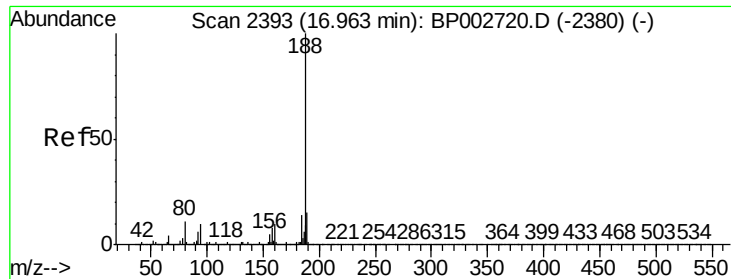
Tot Ion:139 Resp: 977
Ion Ratio Lower Upper
139 100
109 131.3 48.1 88.1#
65 58.5 77.9 117.9#



#58
Fluorene
Concen: 2.419 ng
RT: 15.27 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

Tgt Ion:166 Resp: 64318
Ion Ratio Lower Upper
166 100
165 93.9 77.7 116.5
167 14.8 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: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

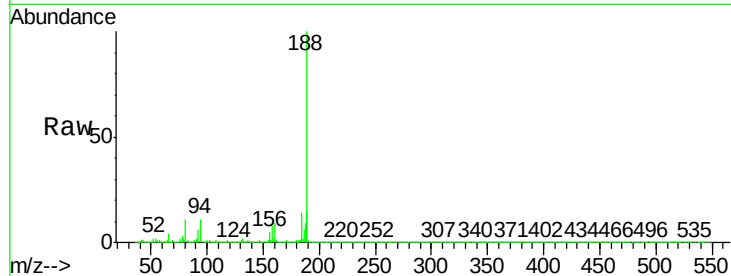
Tot Ion:188 Resp: 794832

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

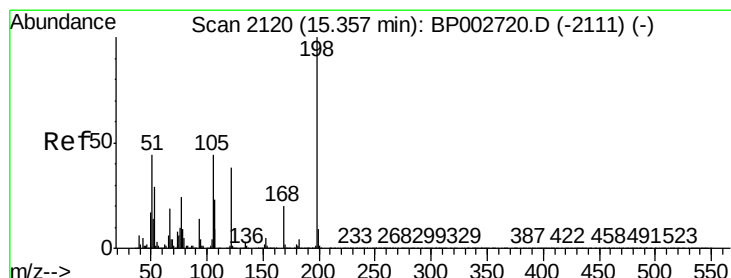
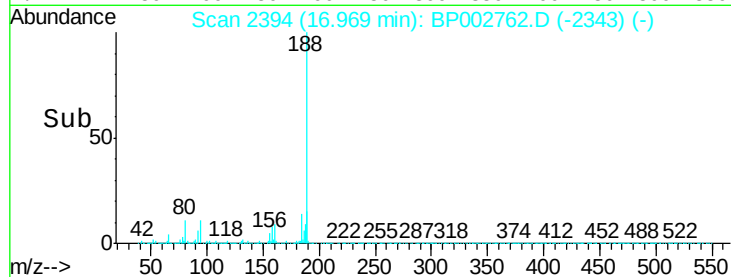
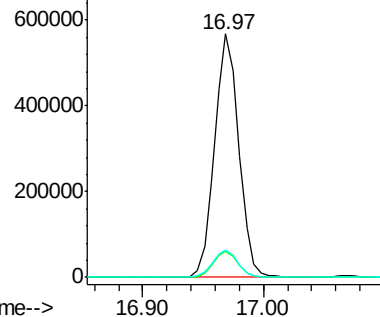
80 11.3 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.284 ng

RT: 15.39 min Scan# 2126

Delta R.T. 0.03 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

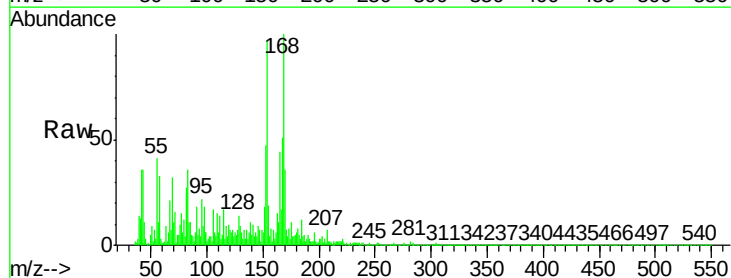
Tgt Ion:198 Resp: 92

Ion Ratio Lower Upper

198 100

51 745.9 27.1 67.1#

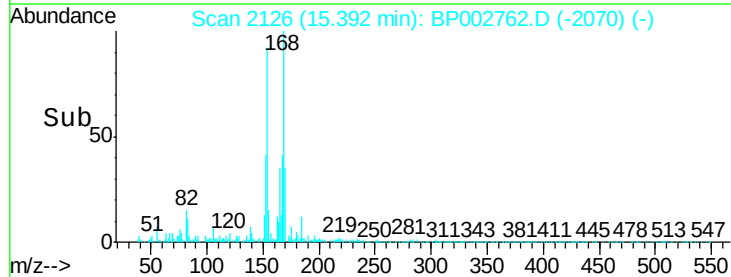
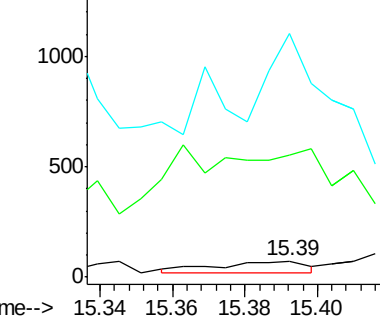
105 1490.5 24.9 64.9#

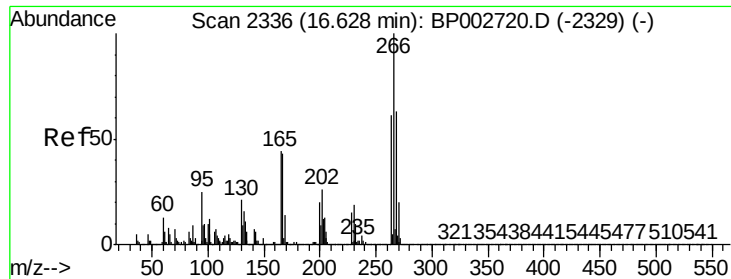


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

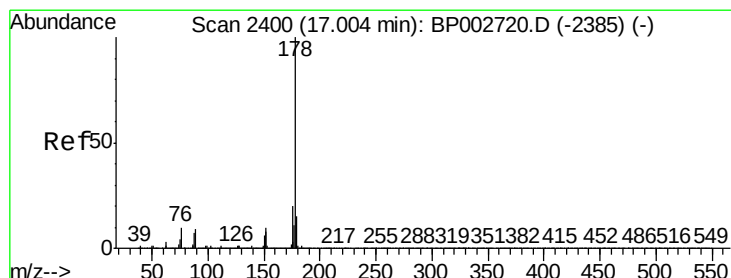
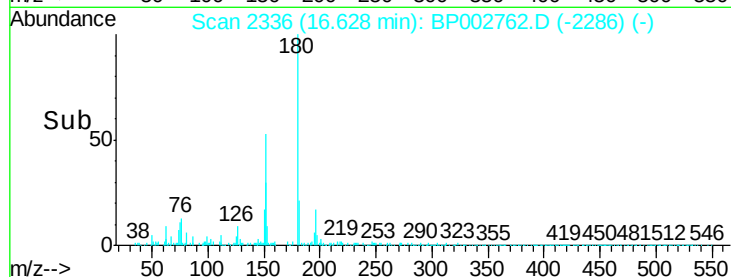
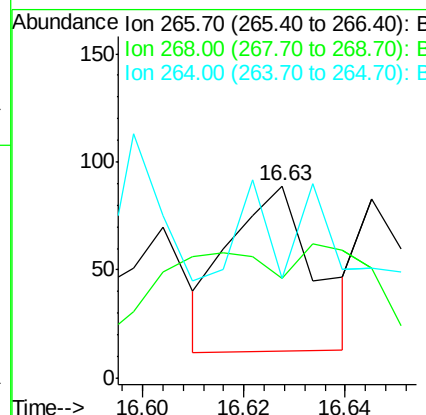
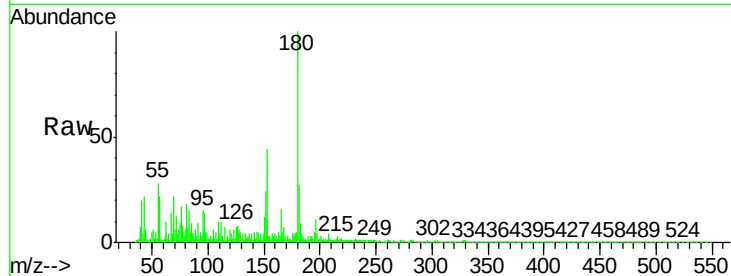




#70
Pentachlorophenol
Concen: 7.460 ng
RT: 16.63 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

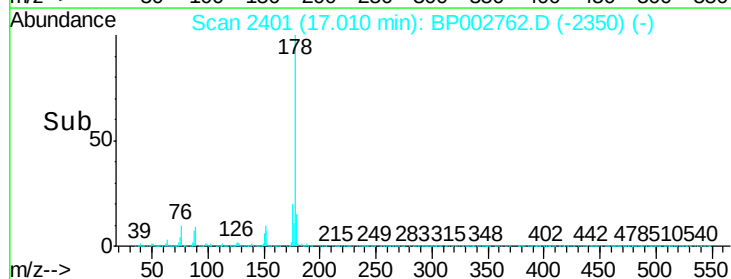
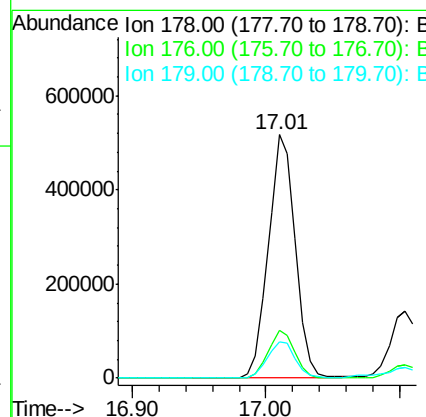
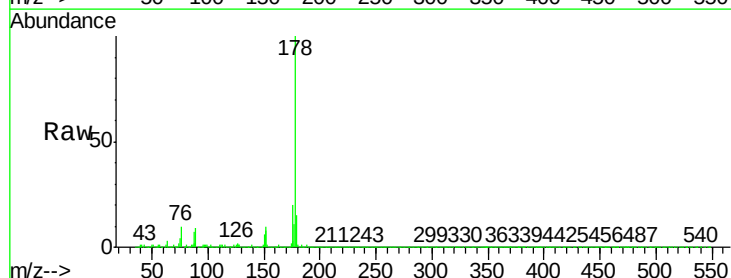
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-013-B

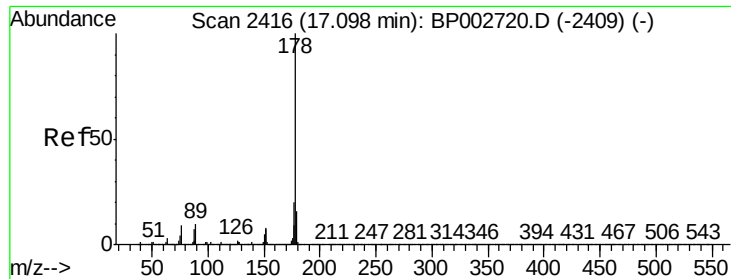
Tot Ion	Ratio	Lower	Upper
266	100		
268	51.7	50.6	75.8
264	51.7	48.6	72.8



#71
Phenanthrene
Concen: 16.740 ng
RT: 17.01 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	14.9	12.3	18.5





#72

Anthracene

Concen: 4.827 ng

RT: 17.10 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

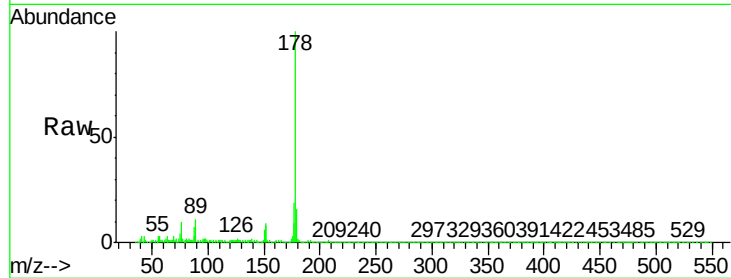
Tot Ion:178 Resp: 203858

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

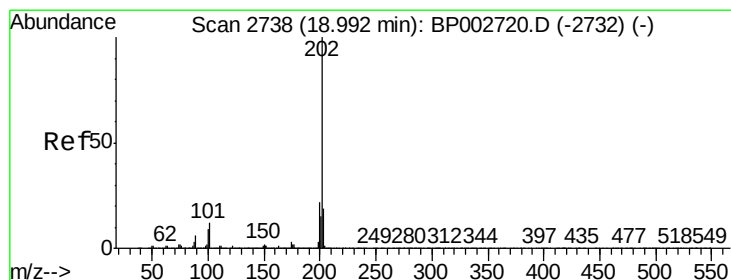
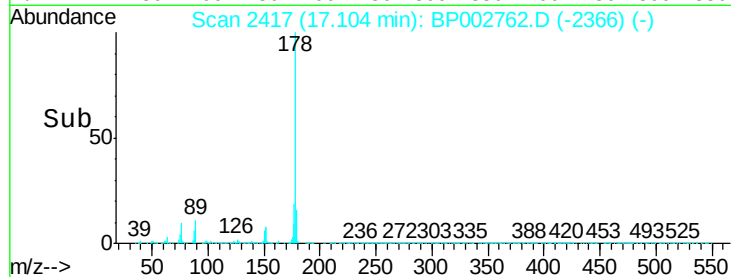
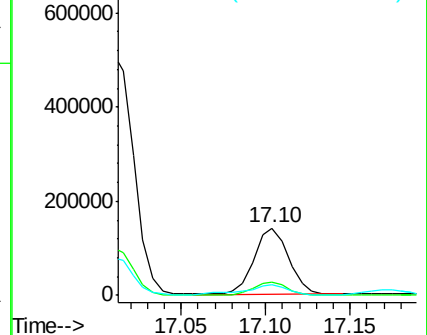
179 15.9 12.6 19.0



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: 18.234 ng

RT: 19.00 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

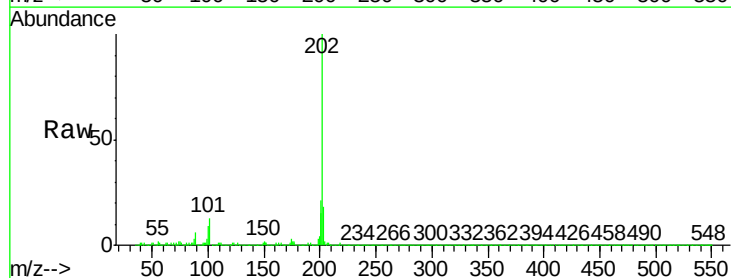
Tgt Ion:202 Resp: 909250

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.5

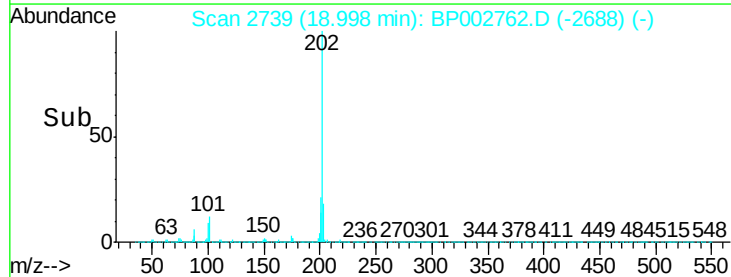
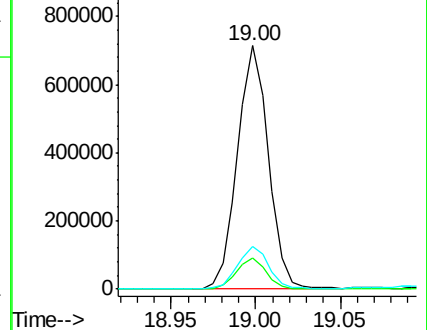
203 17.7 0.0 38.6

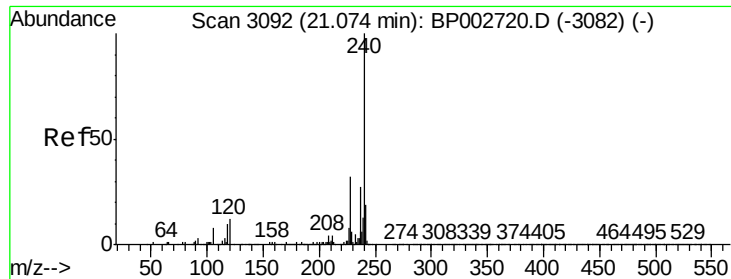


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

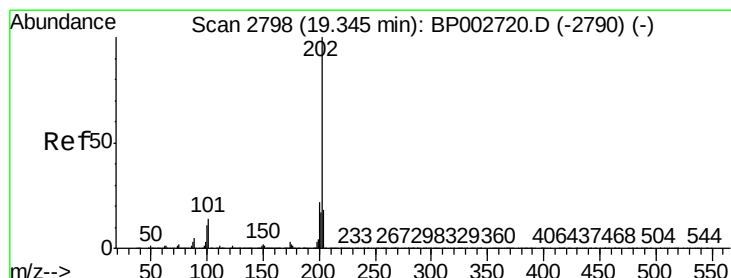
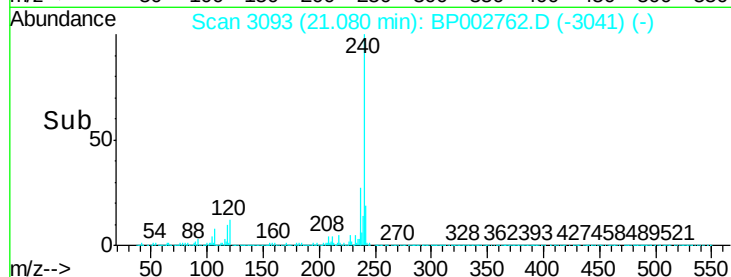
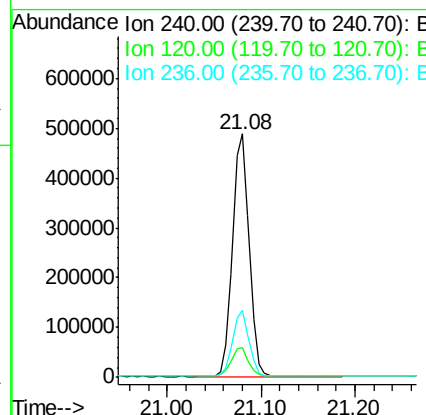
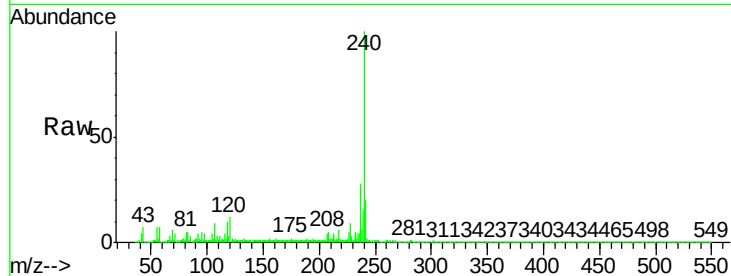




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

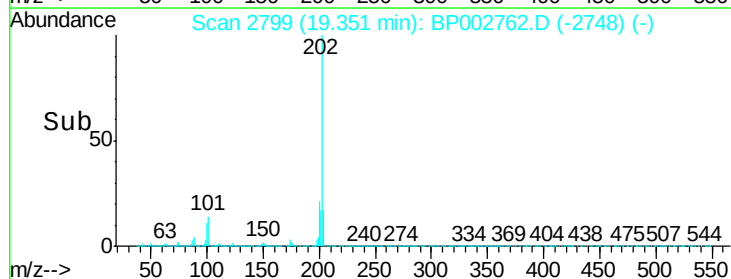
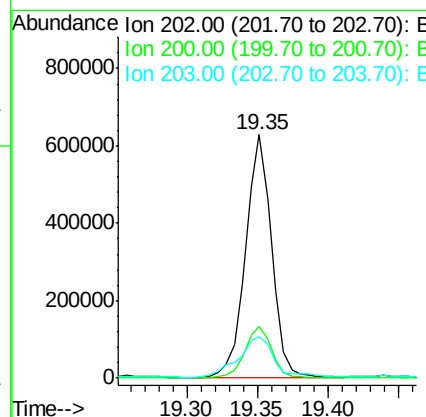
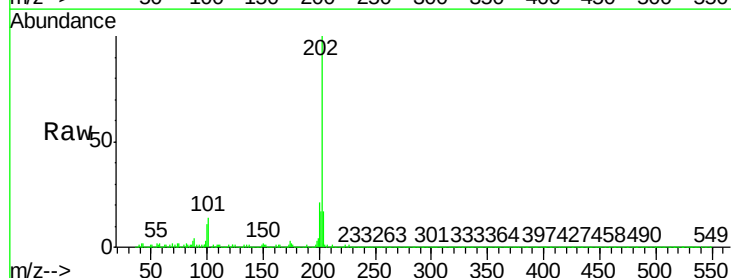
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-013-B

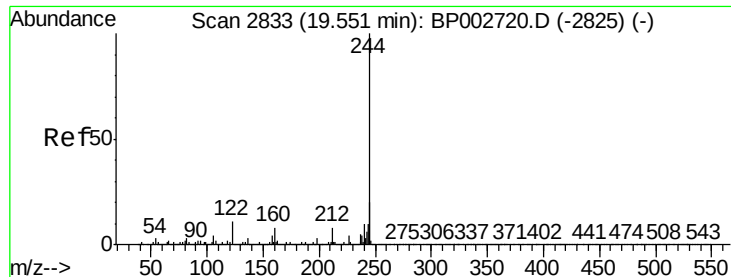
Tot Ion:240 Resp: 595749
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 27.7 21.3 31.9



#78
Pyrene
Concen: 19.575 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002762.D
Acq: 15 Jul 2020 19:37

Tgt Ion:202 Resp: 805173
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.2 14.5 21.7





#79

Terphenyl-d14

Concen: 53.361 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

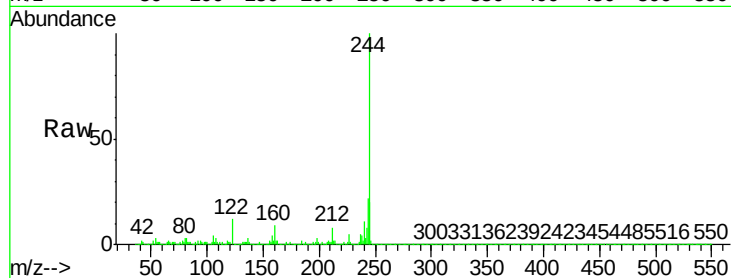
Tot Ion:244 Resp: 1386557

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

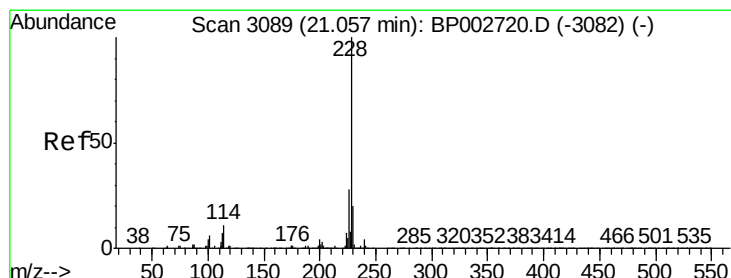
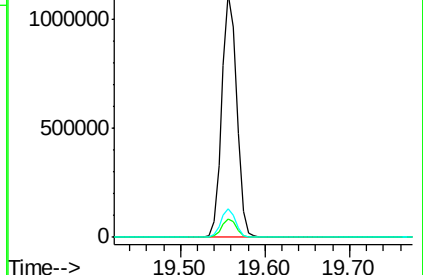
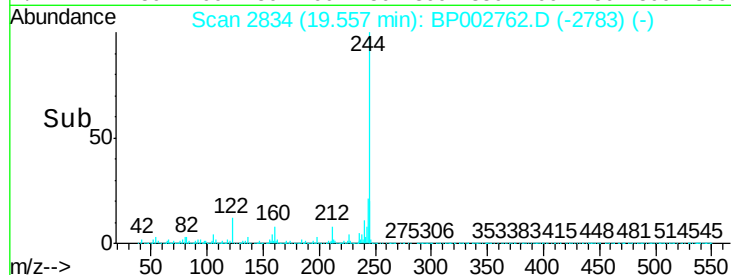
122 11.7 8.9 13.3



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: 9.023 ng

RT: 21.06 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

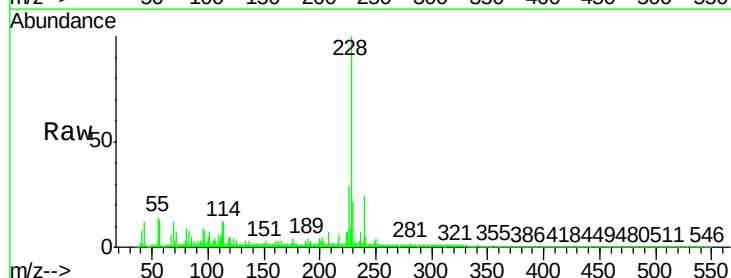
Tgt Ion:228 Resp: 347985

Ion Ratio Lower Upper

228 100

226 28.9 22.6 34.0

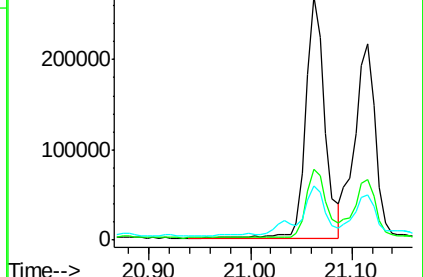
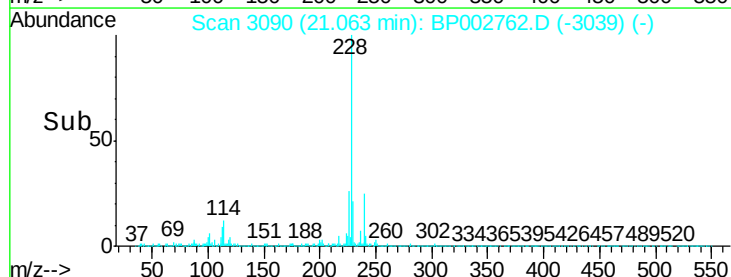
229 22.2 16.0 24.0

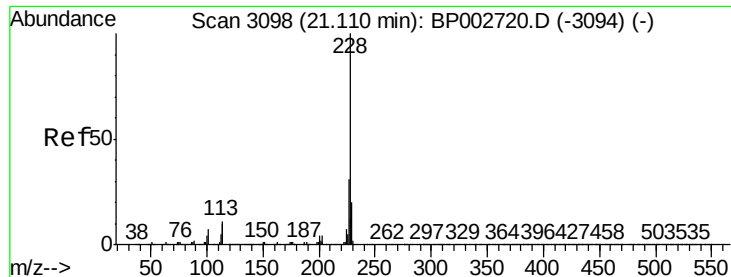


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.396 ng

RT: 21.12 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

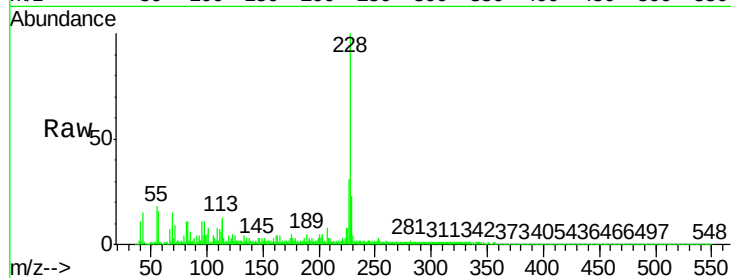
BNA_P

ClientSampleId :

FK-GF-03-013-B

Tot Ion:228 Resp: 308217

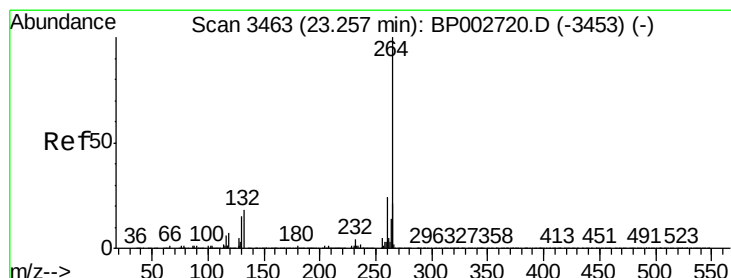
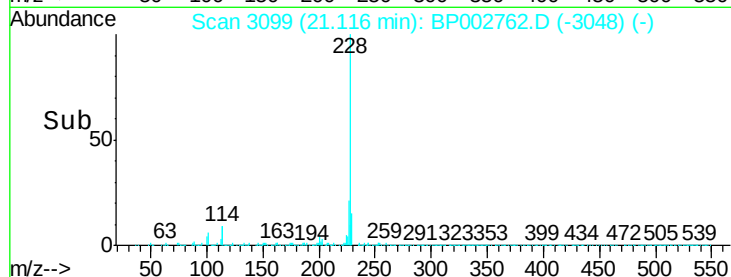
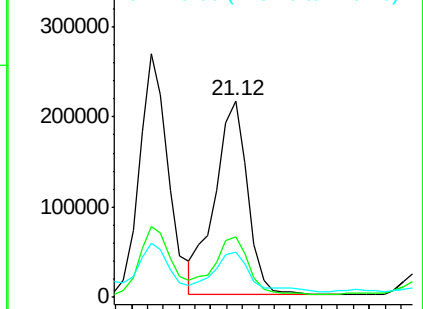
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	23.1	15.7	23.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.27 min Scan# 3466

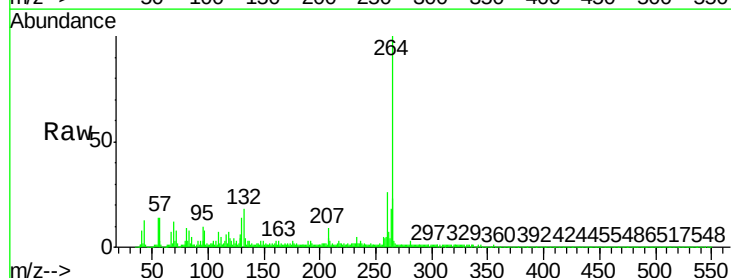
Delta R.T. 0.01 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Tgt Ion:264 Resp: 563902

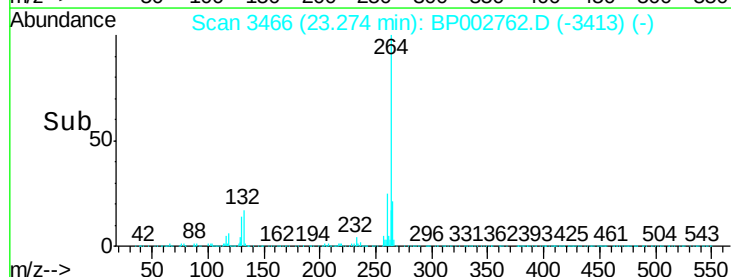
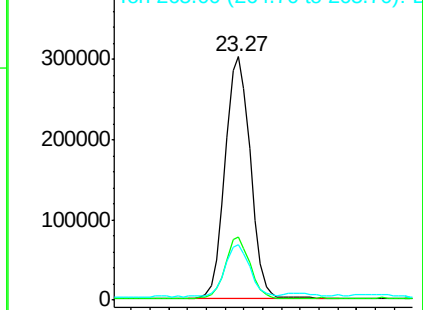
Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.3	28.9
265	22.5	16.8	25.2

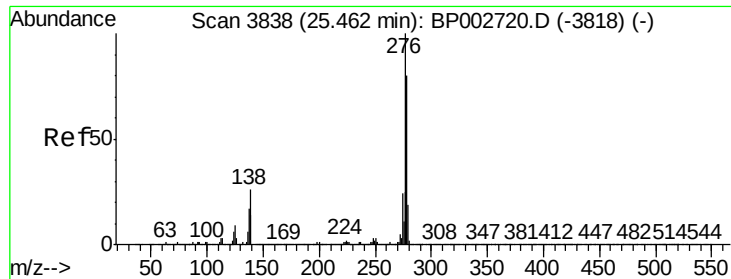


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

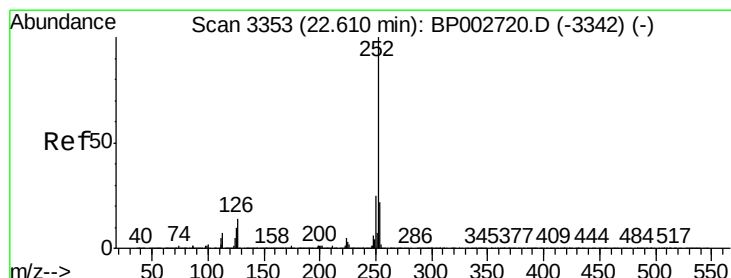
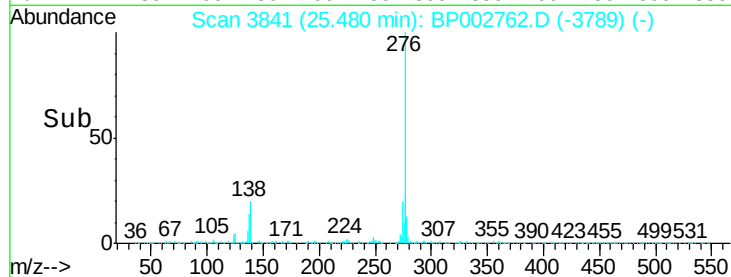
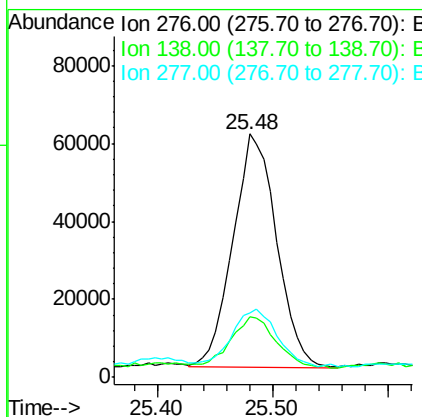
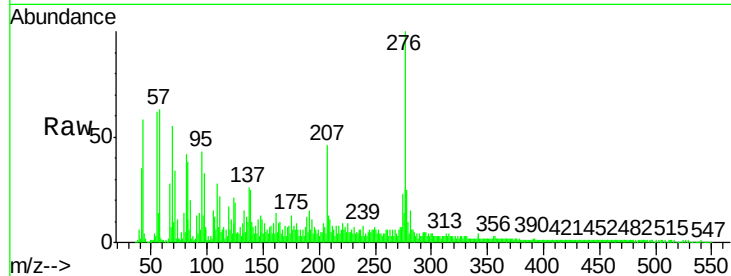




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.851 ng
 RT: 25.48 min Scan# 3841
 Delta R.T. 0.01 min
 Lab File: BP002762.D
 Acq: 15 Jul 2020 19:37

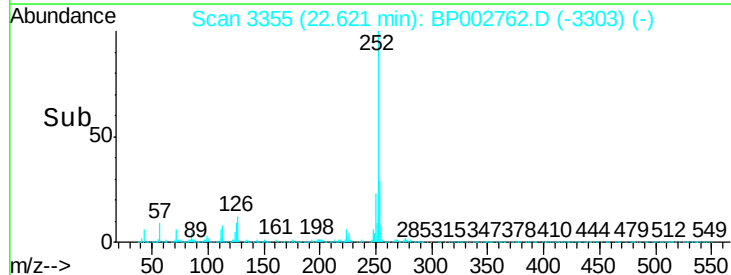
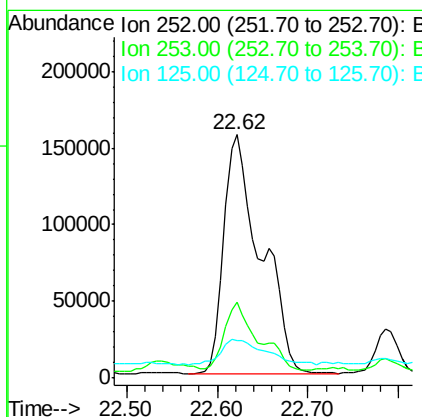
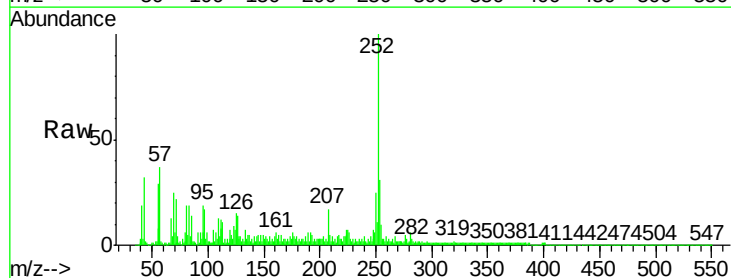
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-013-B

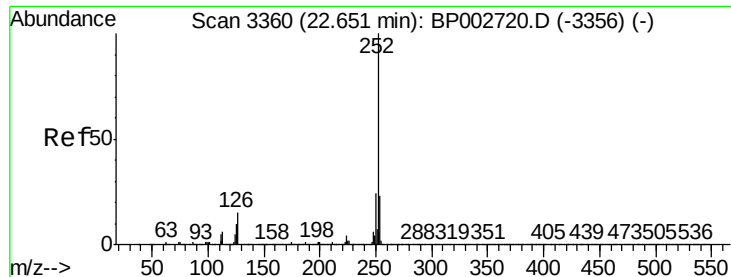
Tot Ion	Ion	Ratio	Lower	Upper
276	276	100		
138	138	23.0	20.8	31.2
277	277	25.0	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 12.716 ng
 RT: 22.62 min Scan# 3355
 Delta R.T. 0.01 min
 Lab File: BP002762.D
 Acq: 15 Jul 2020 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
252	252	100		
253	253	31.2	17.7	26.5#
125	125	15.2	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 12.910 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

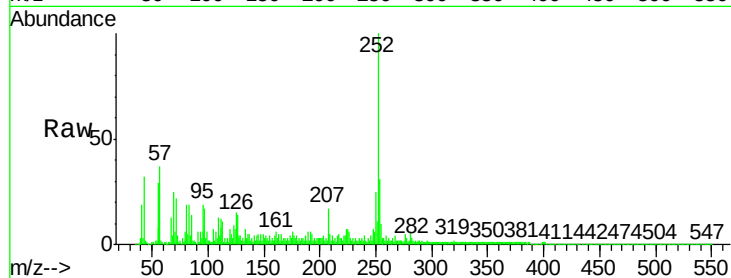
Tot Ion:252 Resp: 445261

Ion Ratio Lower Upper

252 100

253 31.2 17.8 26.8#

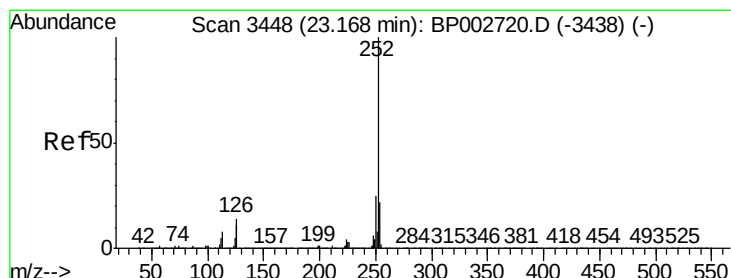
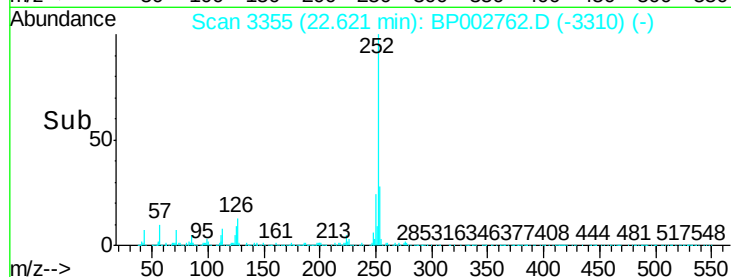
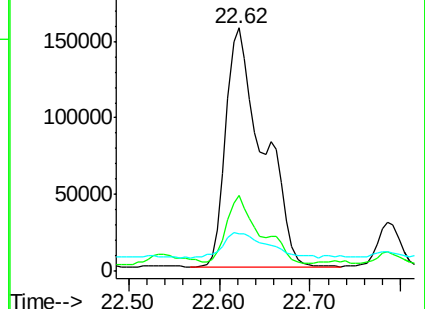
125 15.2 8.3 12.5#



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: 7.318 ng

RT: 23.18 min Scan# 3450

Delta R.T. 0.01 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

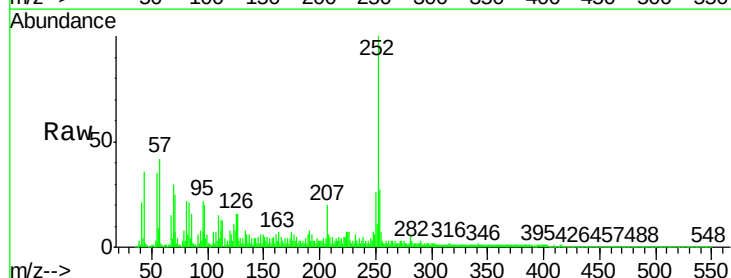
Tgt Ion:252 Resp: 242819

Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

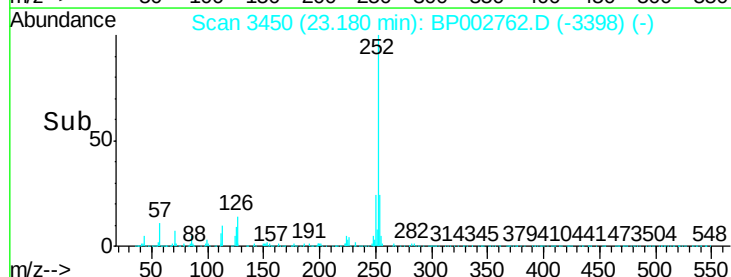
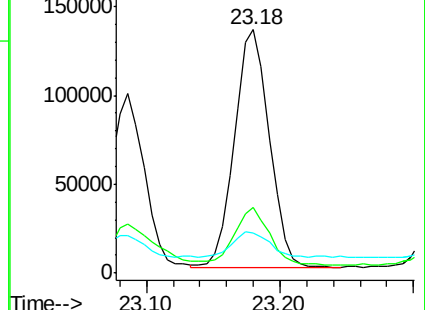
125 16.4 8.6 13.0#

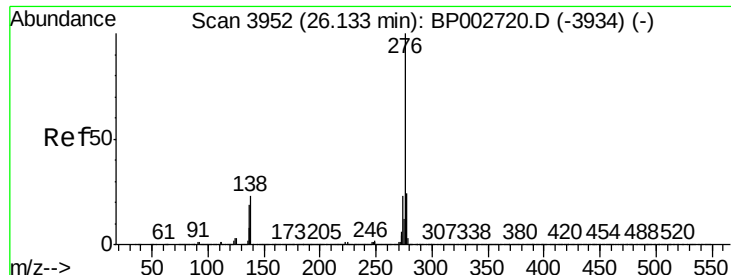


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.755 ng

RT: 26.16 min Scan# 3956

Delta R.T. 0.01 min

Lab File: BP002762.D

Acq: 15 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-013-B

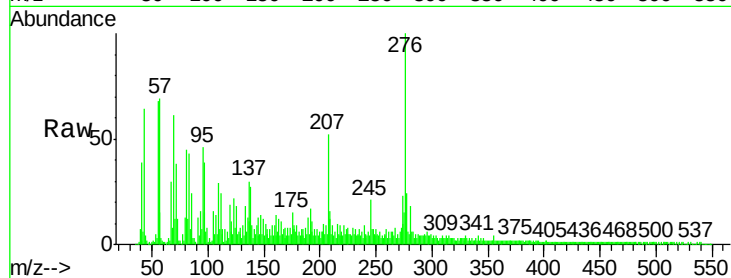
Tot Ion:276 Resp: 158462

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 26.6 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

