

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002761.D
 Acq On : 15 Jul 2020 19:03
 Operator : CG/JU
 Sample : L3304-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 16 00:41:36 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	174475	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	687664	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	396490	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	777355	20.00	ng	0.00
76) Chrysene-d12	21.08	240	619176	20.00	ng	0.00
86) Perylene-d12	23.27	264	565765	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	770825	74.54	ng	0.00
7) Phenol-d6	6.76	99	1045848	70.86	ng	0.00
23) Nitrobenzene-d5	8.70	82	644068	50.09	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	263113	63.57	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1251884	48.84	ng	0.00
79) Terphenyl-d14	19.56	244	1395485	51.67	ng	0.00

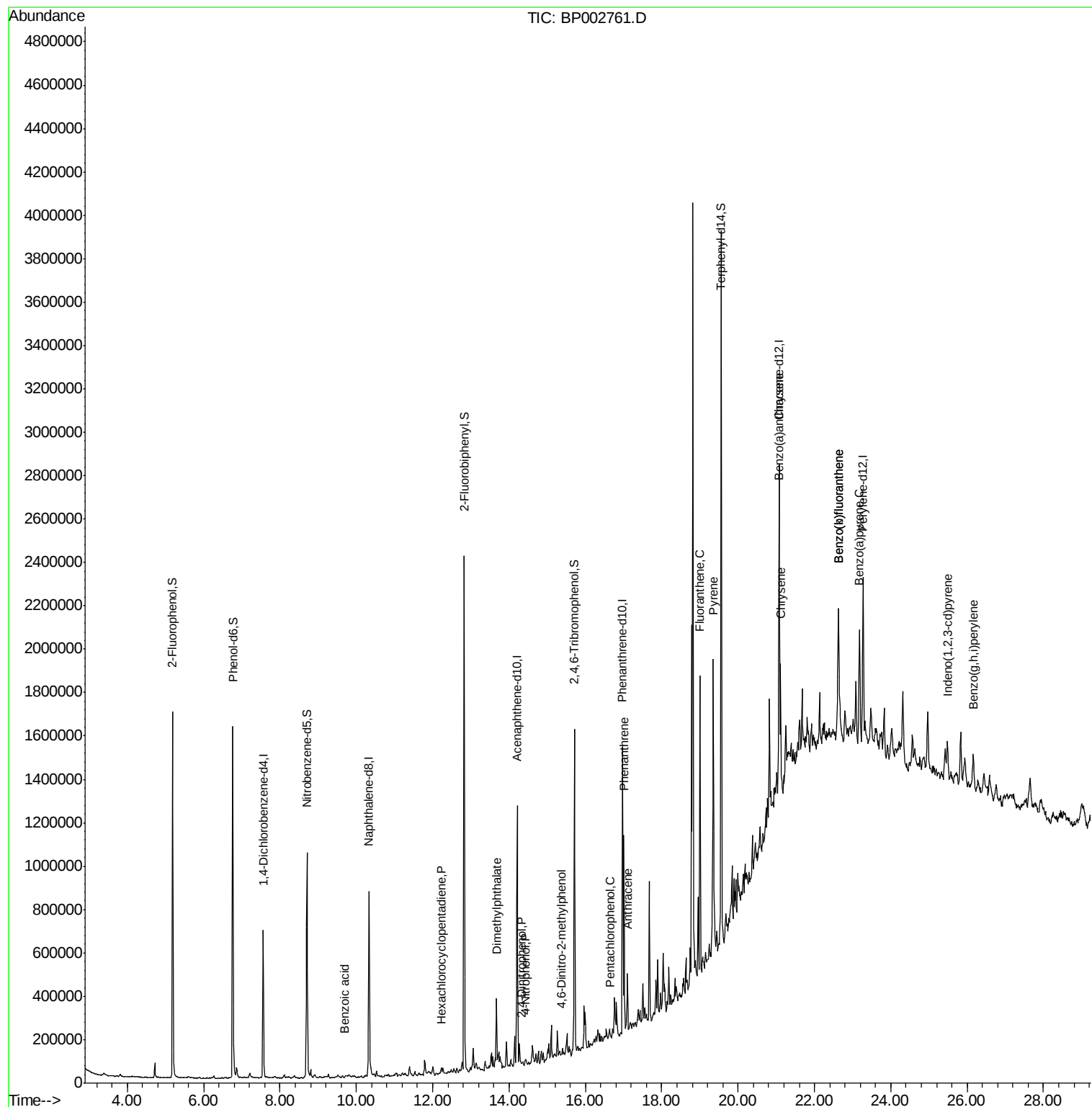
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.68	122	17	7.064	ng	# 1
41) Hexachlorocyclopentadiene	12.24	237	36	7.440	ng	91
50) Dimethylphthalate	13.67	163	205930	6.810	ng	99
54) 2,4-Dinitrophenol	14.33	184	19	11.379	ng	# 1
56) 4-Nitrophenol	14.44	139	480	5.049	ng	# 9
65) 4,6-Dinitro-2-methylphenol	15.37	198	96	5.285	ng	# 1
70) Pentachlorophenol	16.65	266	119	7.466	ng	# 62
71) Phenanthrene	17.01	178	514230	12.218	ng	99
72) Anthracene	17.10	178	156049	3.778	ng	98
75) Fluoranthene	19.00	202	785501	16.107	ng	99
78) Pyrene	19.35	202	795058	18.598	ng	98
81) Benzo(a)anthracene	21.06	228	377263	9.413	ng	99
83) Chrysene	21.12	228	349644	9.164	ng	97
87) Indeno(1,2,3-cd)pyrene	25.49	276	189875	4.643	ng	96
88) Benzo(b)fluoranthene	22.62	252	510688	14.537	ng	# 83
89) Benzo(k)fluoranthene	22.62	252	510688	14.758	ng	# 84
90) Benzo(a)pyrene	23.17	252	301800	9.066	ng	# 89
92) Benzo(g,h,i)perylene	26.16	276	200150	5.986	ng	96

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

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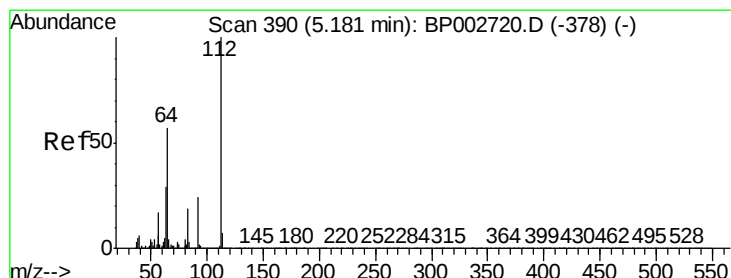
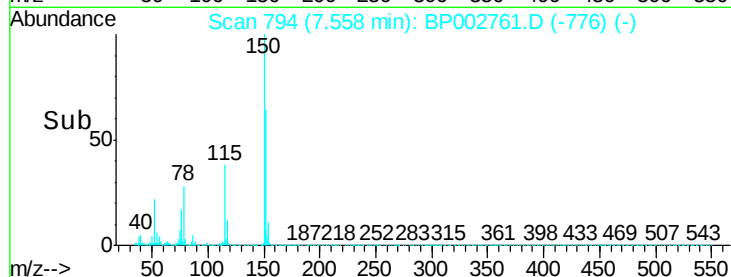
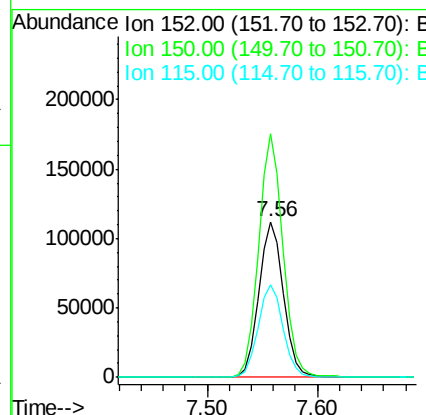
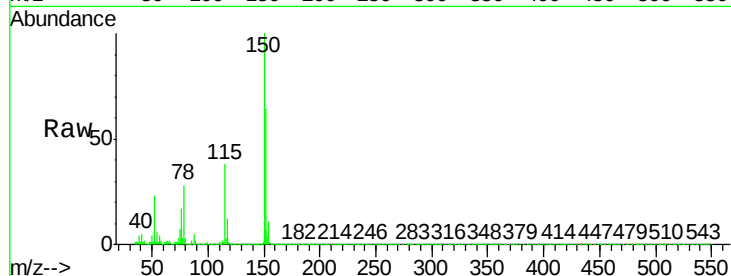


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002761.D
Acq: 15 Jul 2020 19:03

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

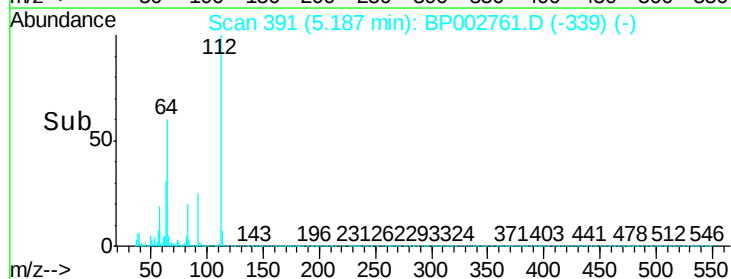
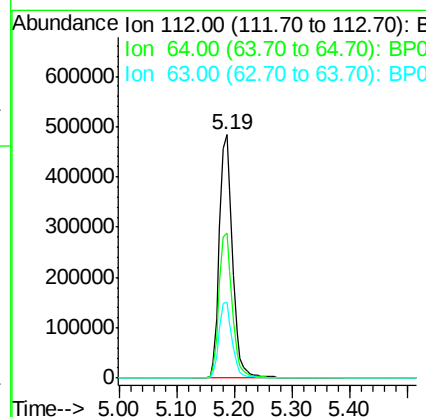
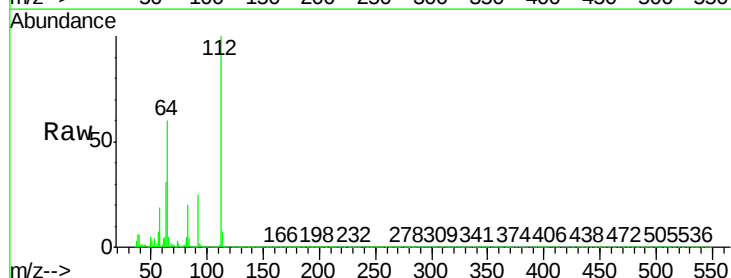
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	123.7	185.5
115	59.1	47.2	70.8

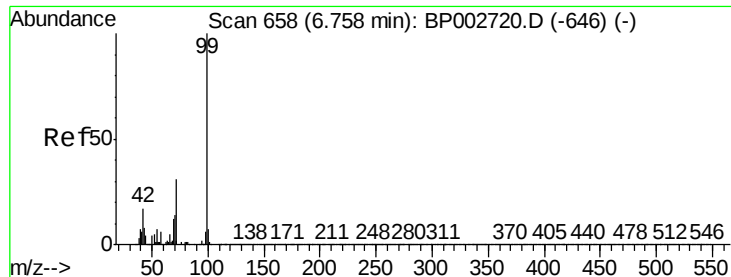


#5

2-Fluorophenol
Concen: 74.539 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002761.D
Acq: 15 Jul 2020 19:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.6	68.4
63	30.9	23.5	35.3





#7

Phenol-d6

Concen: 70.864 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

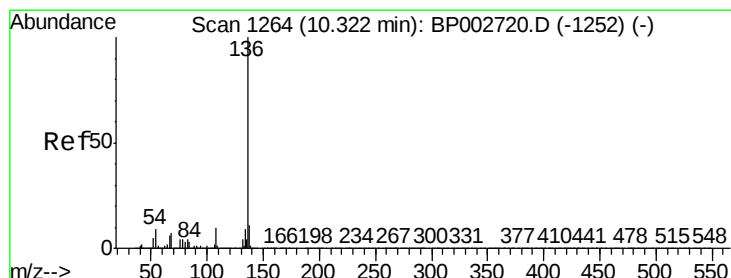
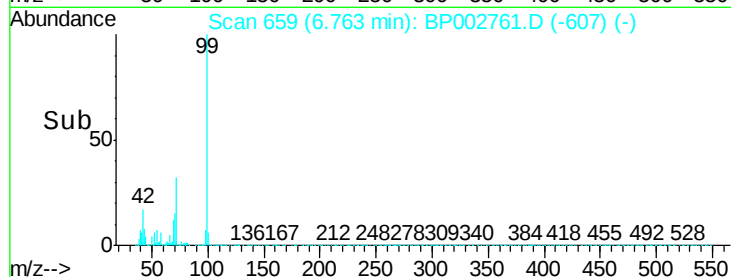
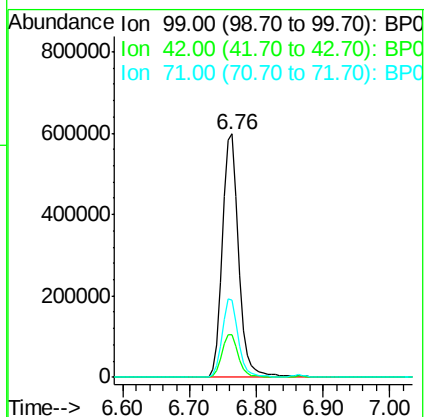
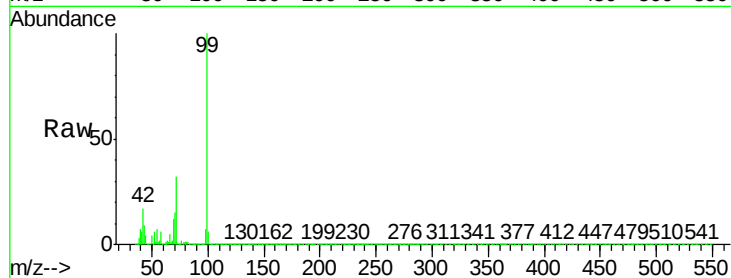
Tot Ion: 99 Resp: 1045848

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.4	20.2
71	31.6	24.6	36.8

99 100

42 17.4 13.4 20.2

71 31.6 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Tgt Ion: 136 Resp: 687664

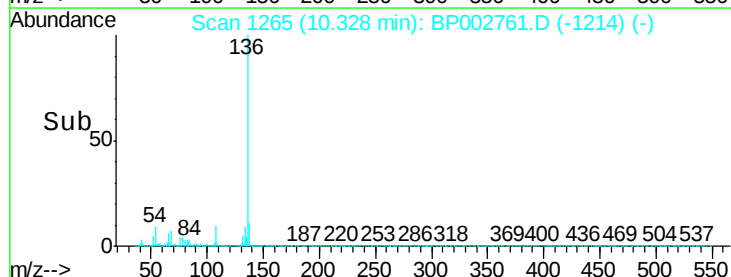
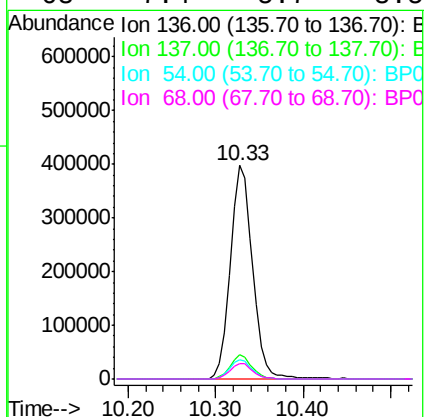
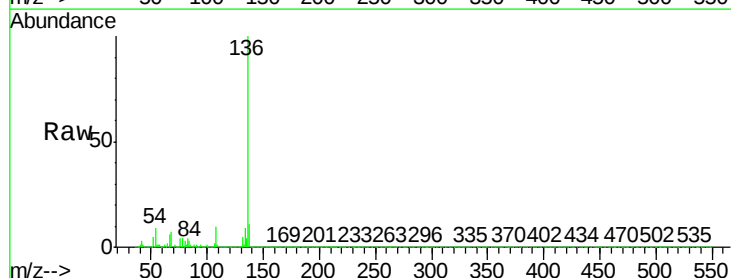
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.1	6.9	10.3
68	7.4	5.7	8.5

136 100

137 11.2 8.6 13.0

54 9.1 6.9 10.3

68 7.4 5.7 8.5

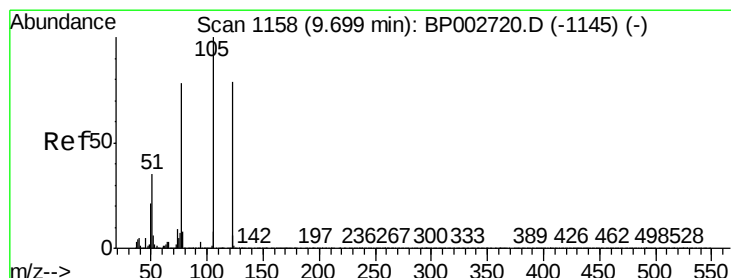
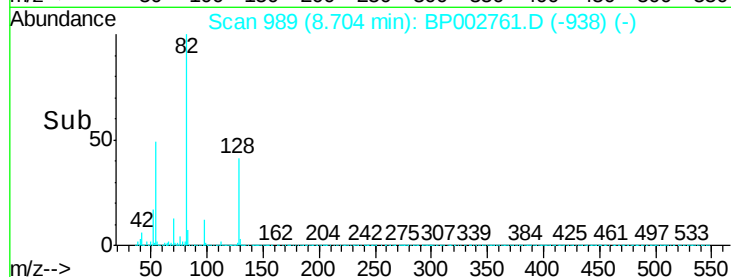
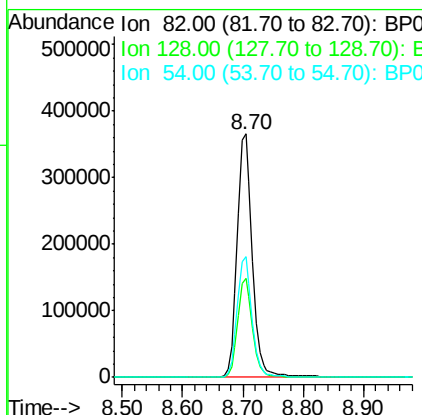
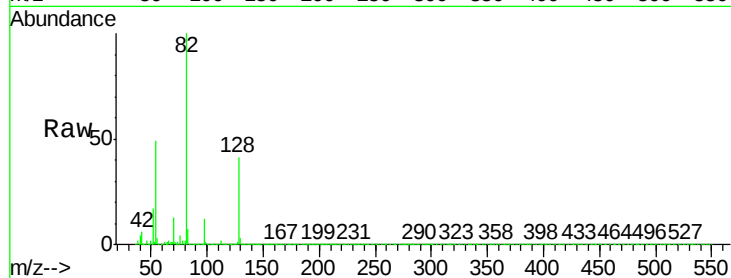




#23
Nitrobenzene-d5
Concen: 50.093 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002761.D
Acq: 15 Jul 2020 19:03

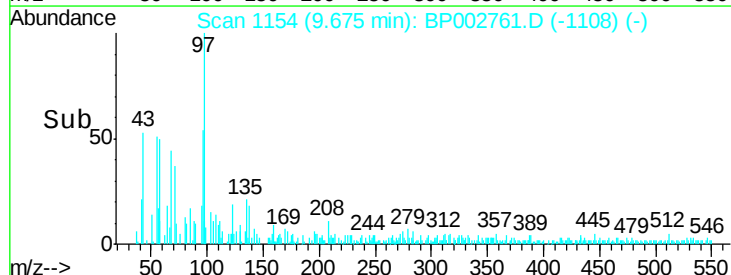
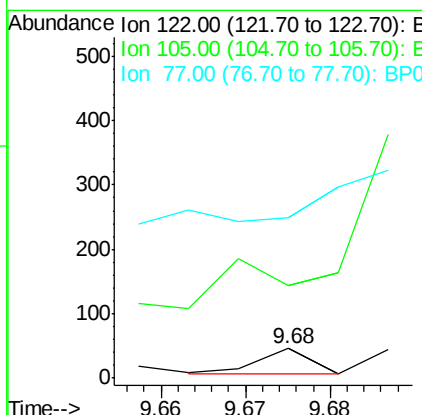
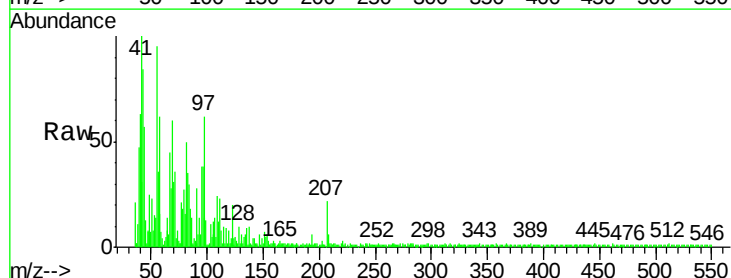
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-058-B

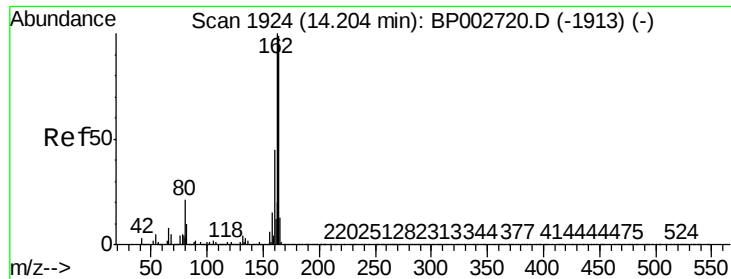
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.8	50.8
54	49.5	38.8	58.2



#32
Benzoic acid
Concen: 7.064 ng
RT: 9.68 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BP002761.D
Acq: 15 Jul 2020 19:03

Tgt Ion	Ratio	Lower	Upper
122	100		
105	310.9	105.4	145.4#
77	541.3	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: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

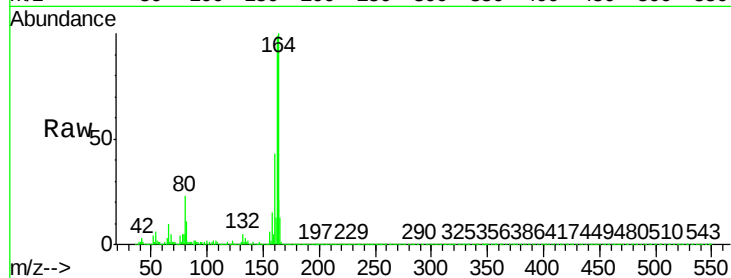
Tot Ion:164 Resp: 396490

Ion Ratio Lower Upper

164 100

162 98.7 80.6 121.0

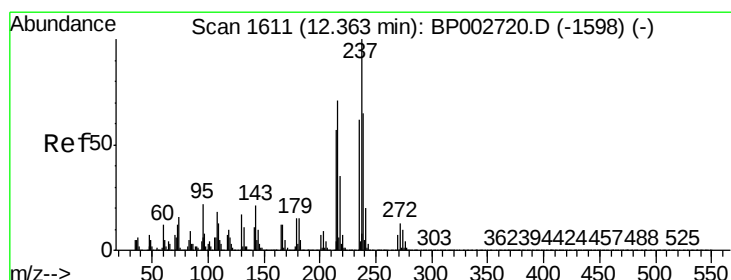
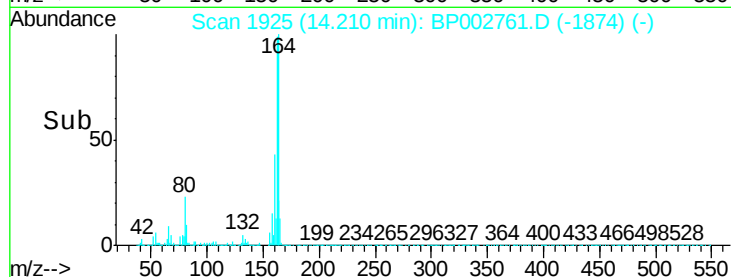
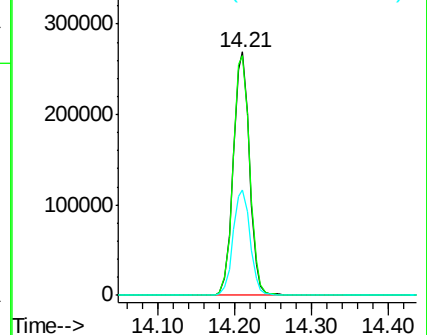
160 43.2 36.4 54.6



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: 7.440 ng

RT: 12.24 min Scan# 1590

Delta R.T. -0.12 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

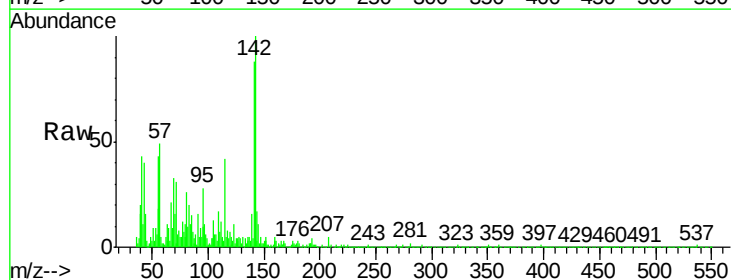
Tgt Ion:237 Resp: 36

Ion Ratio Lower Upper

237 100

235 60.0 42.3 82.3

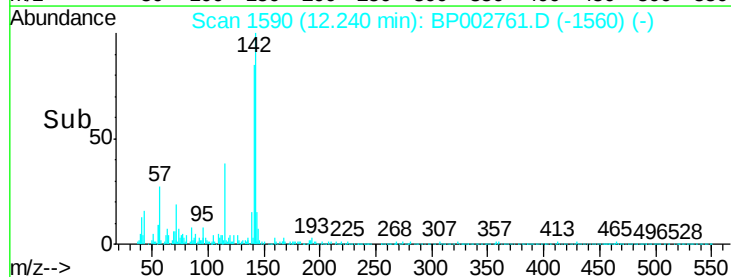
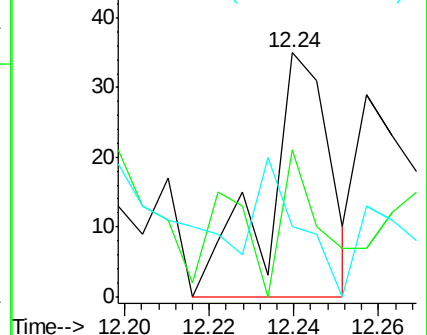
272 28.6 0.0 32.5

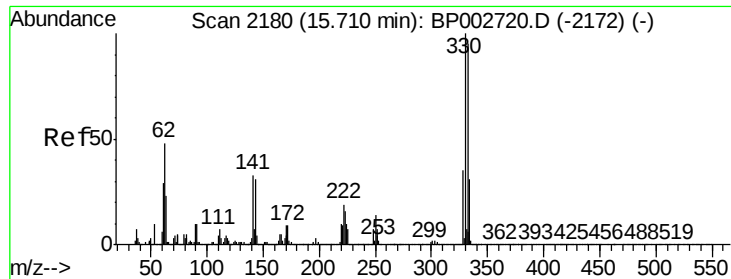


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

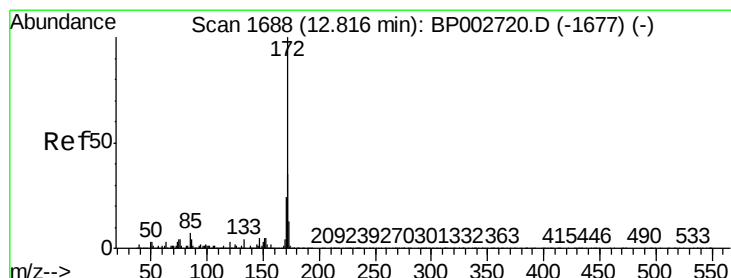
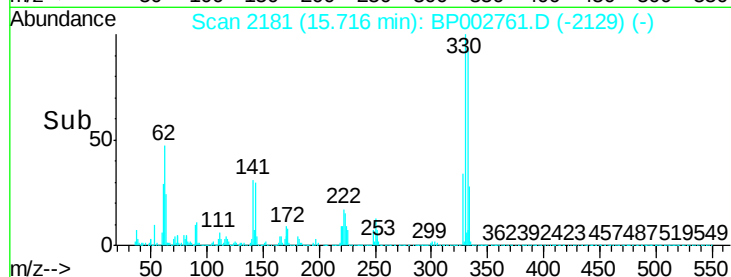
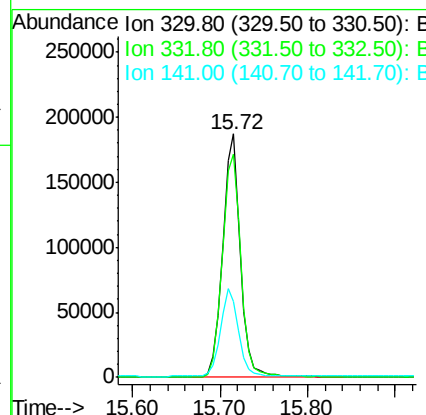
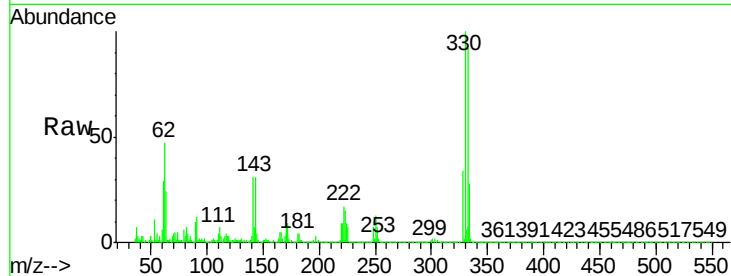




#42
 2,4,6-Tribromophenol
 Concen: 63.573 ng
 RT: 15.72 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: BP002761.D
 Acq: 15 Jul 2020 19:03

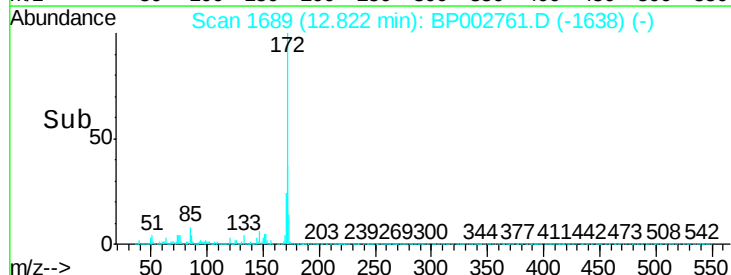
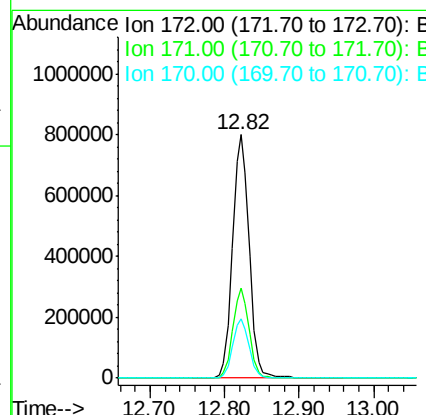
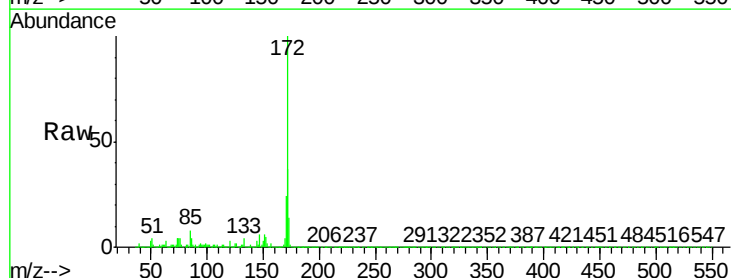
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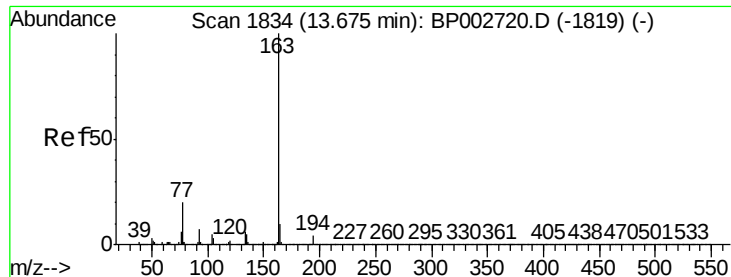
Tot Ion:330 Resp: 263113
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.5 114.7
 141 36.0 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 48.845 ng
 RT: 12.82 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BP002761.D
 Acq: 15 Jul 2020 19:03

Tgt Ion:172 Resp: 1251884
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.1 42.1
 170 24.2 19.3 28.9





#50

Dimethylphthalate

Concen: 6.810 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

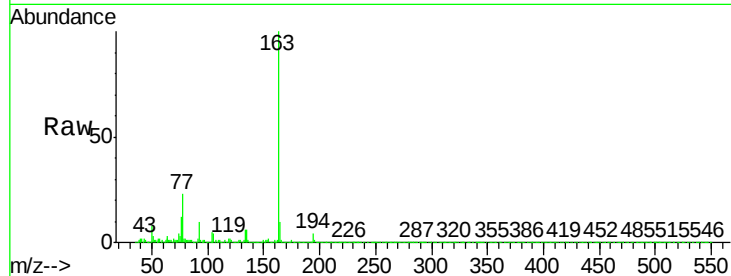
Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

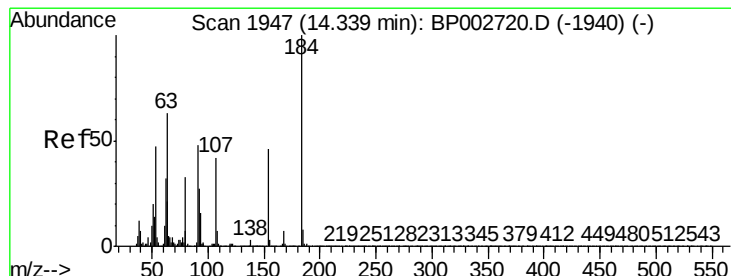
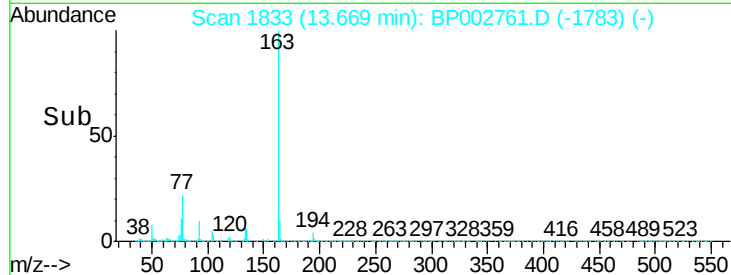
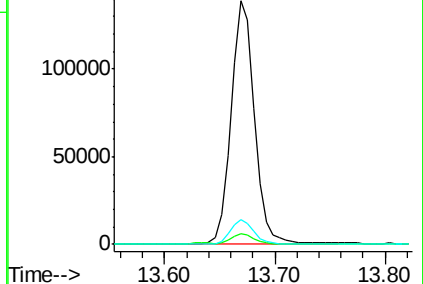
Tot Ion:	163	Resp:	205930
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	7.8	11.8



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: 11.379 ng

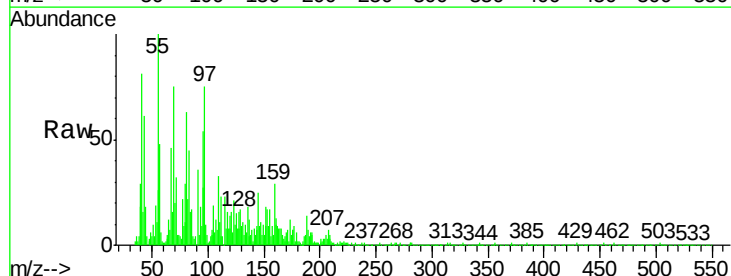
RT: 14.33 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

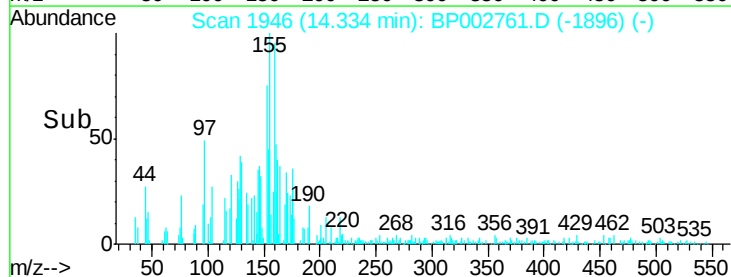
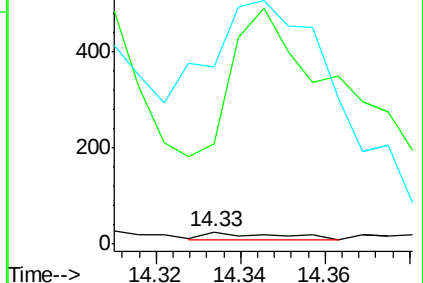
Tgt Ion:	184	Resp:	19
Ion	Ratio	Lower	Upper
184	100		
63	840.0	51.6	77.4#
154	1476.0	45.0	67.6#

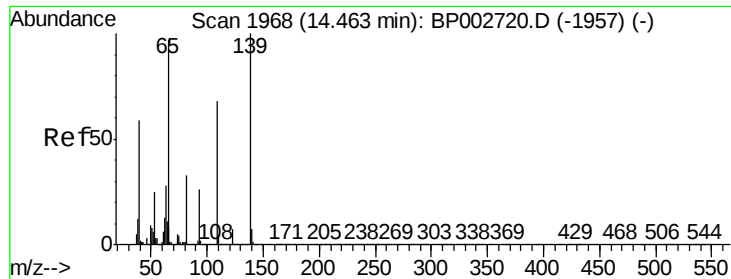


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 5.049 ng

RT: 14.44 min Scan# 1964

Delta R.T. -0.03 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

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FK-GF-02-058-B

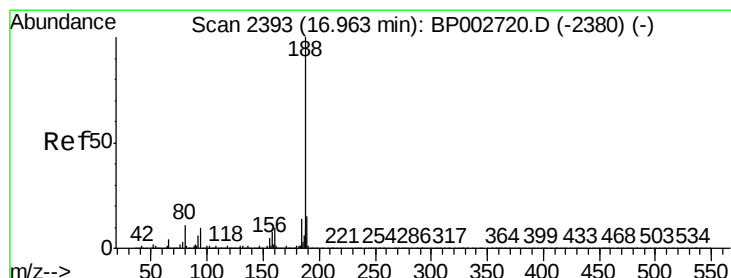
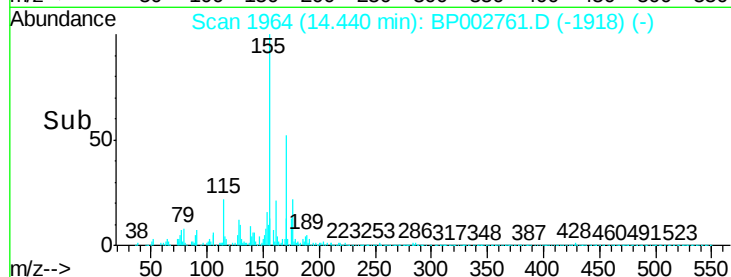
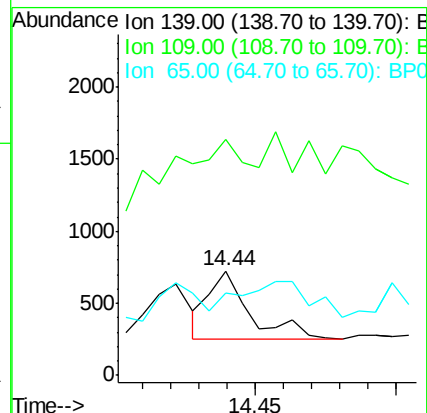
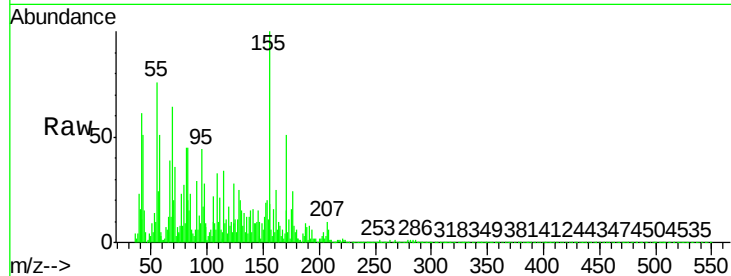
Tot Ion:139 Resp: 480

Ion Ratio Lower Upper

139 100

109 225.9 48.1 88.1#

65 79.2 77.9 117.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

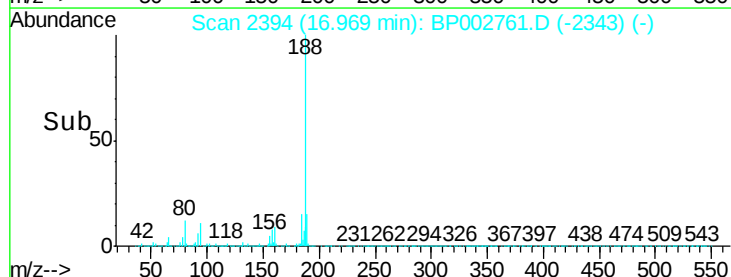
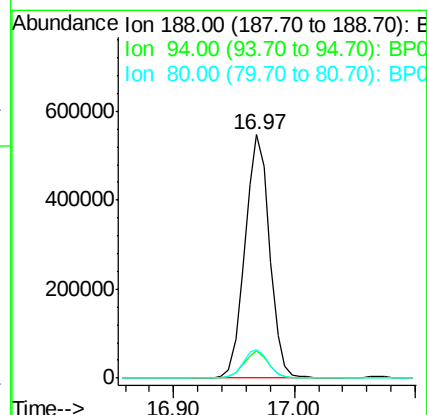
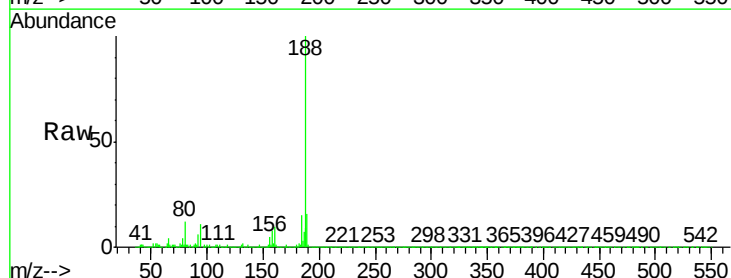
Tgt Ion:188 Resp: 777355

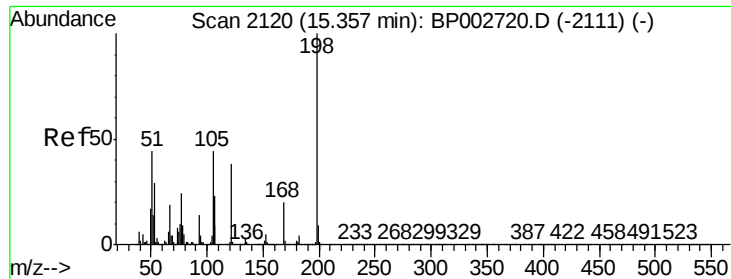
Ion Ratio Lower Upper

188 100

94 11.2 8.1 12.1

80 11.7 8.9 13.3

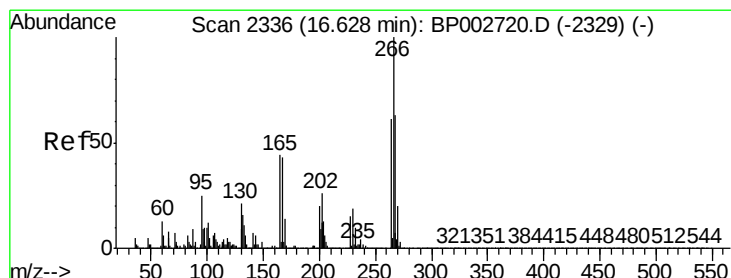
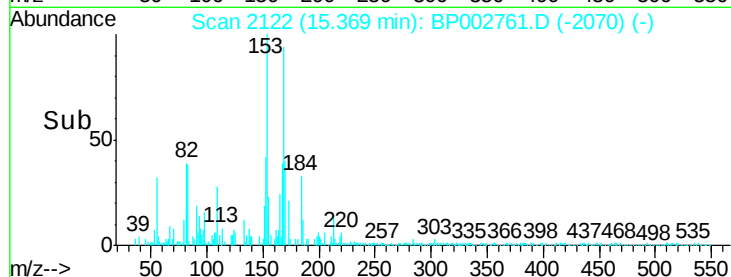
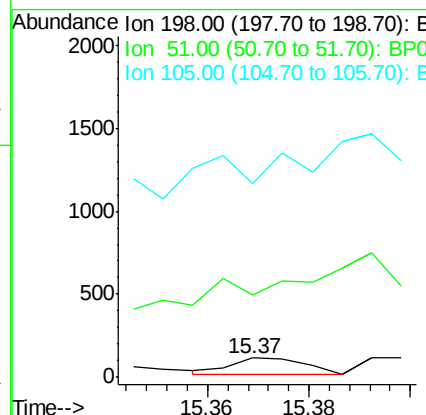
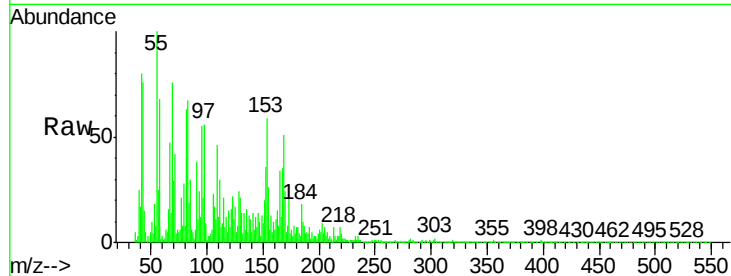




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.285 ng
 RT: 15.37 min Scan# 2122
 Delta R.T. 0.01 min
 Lab File: BP002761.D
 Acq: 15 Jul 2020 19:03

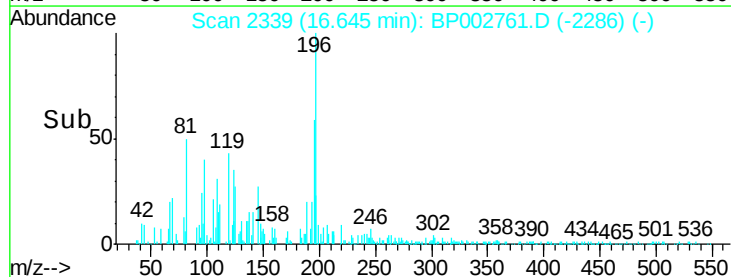
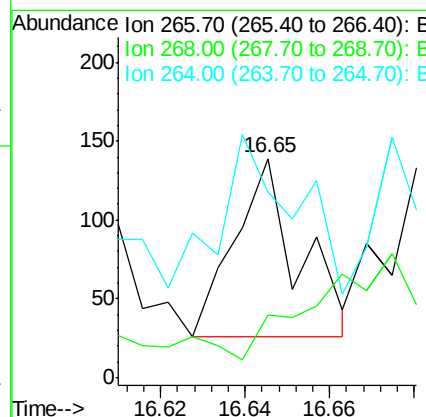
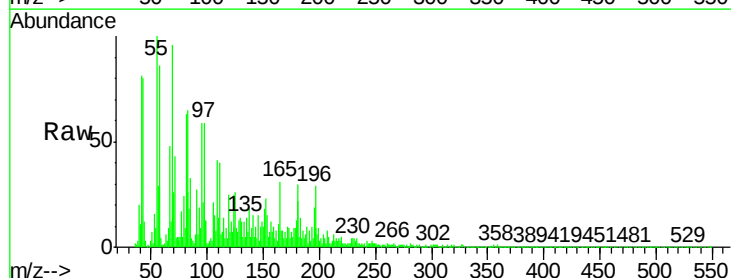
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-058-B

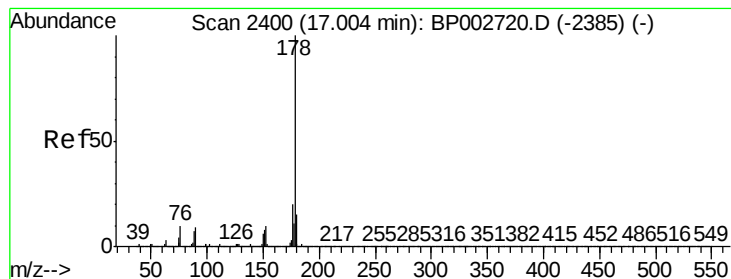
Tot Ion	Ratio	Lower	Upper
198	100		
51	422.2	27.1	67.1#
105	997.4	24.9	64.9#



#70
 Pentachlorophenol
 Concen: 7.466 ng
 RT: 16.65 min Scan# 2339
 Delta R.T. 0.01 min
 Lab File: BP002761.D
 Acq: 15 Jul 2020 19:03

Tgt Ion	Ratio	Lower	Upper
266	100		
268	28.8	50.6	75.8#
264	84.9	48.6	72.8#





#71

Phenanthrene

Concen: 12.218 ng

RT: 17.01 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

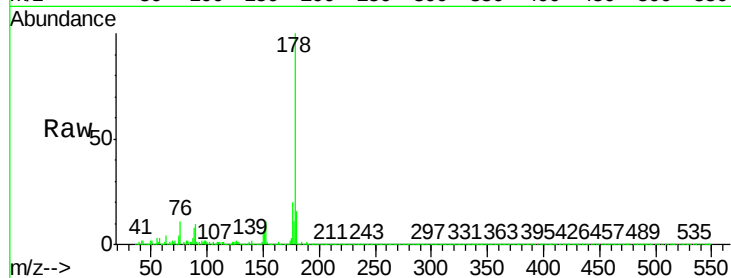
Tot Ion:178 Resp: 514230

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

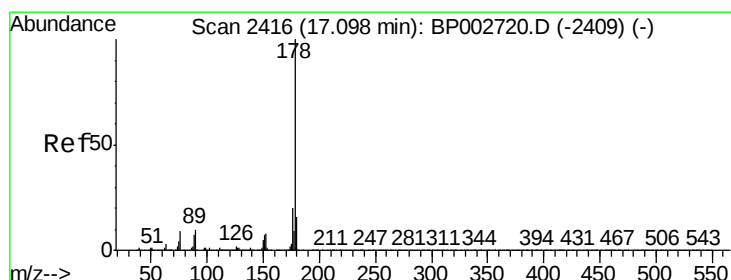
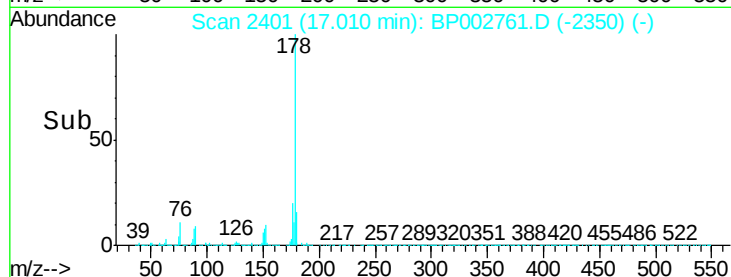
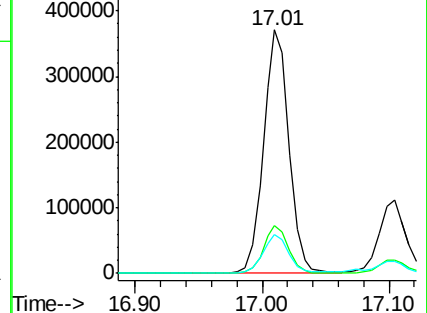
179 16.1 12.3 18.5



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: 3.778 ng

RT: 17.10 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

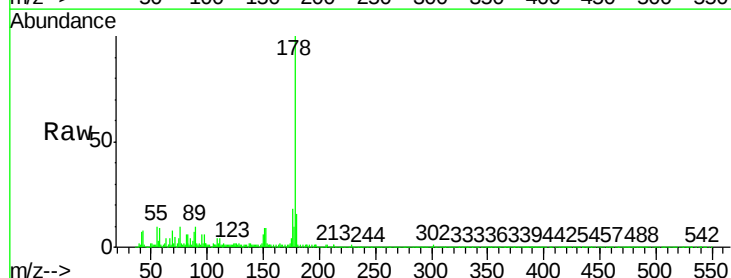
Tgt Ion:178 Resp: 156049

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

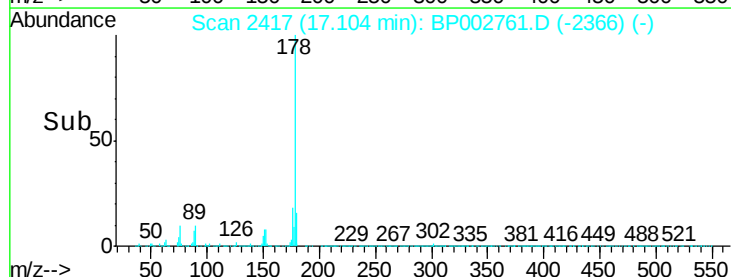
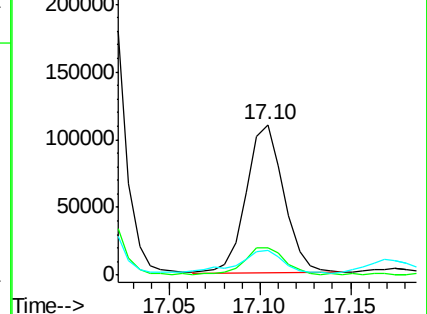
179 16.3 12.6 19.0

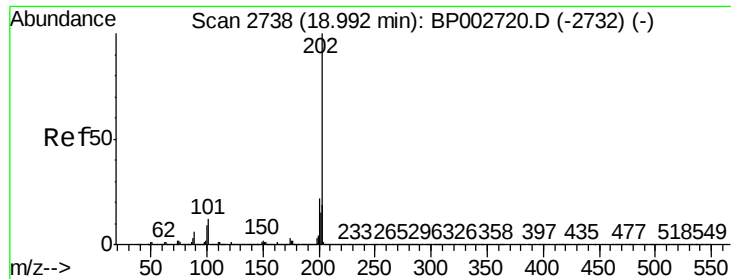


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.107 ng

RT: 19.00 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

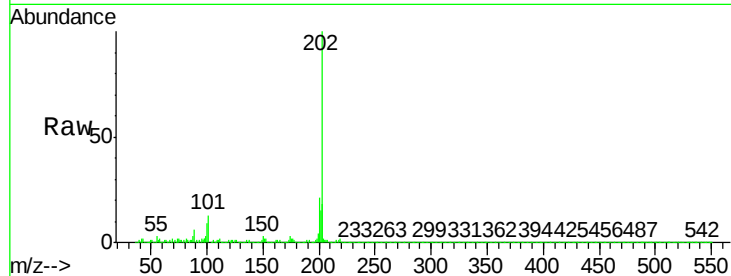
Tot Ion:202 Resp: 785501

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.5

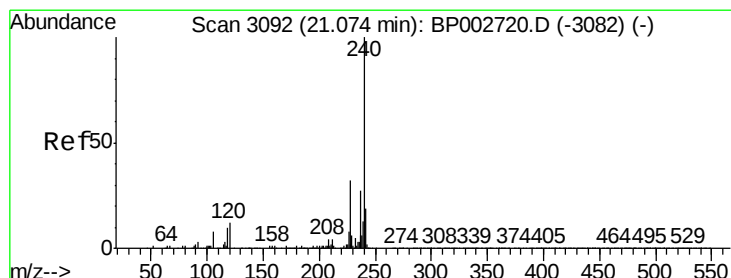
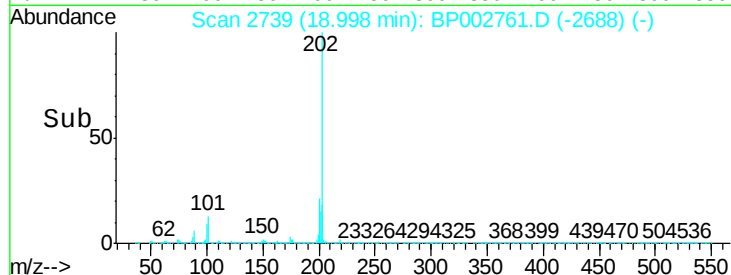
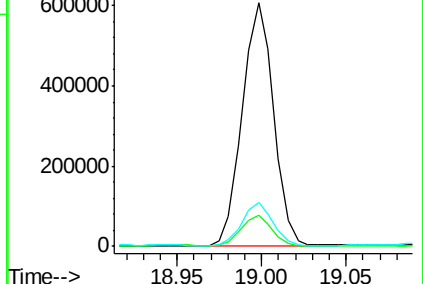
203 18.2 0.0 38.6



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: BP002761.D

Acq: 15 Jul 2020 19:03

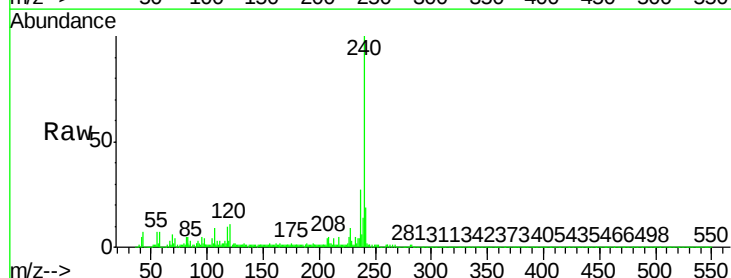
Tgt Ion:240 Resp: 619176

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

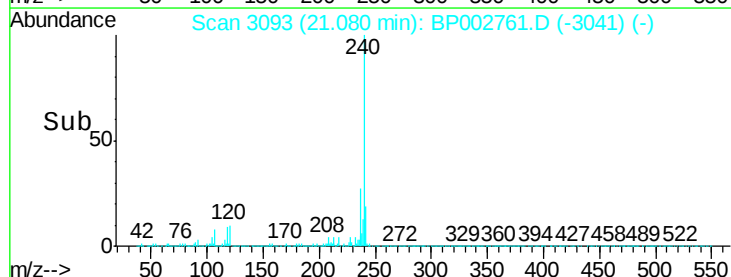
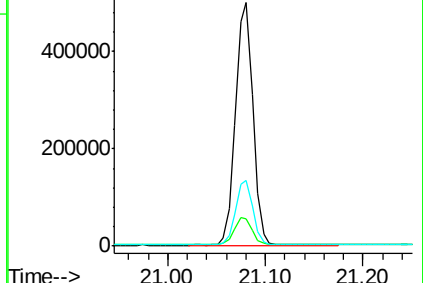
236 27.2 21.3 31.9

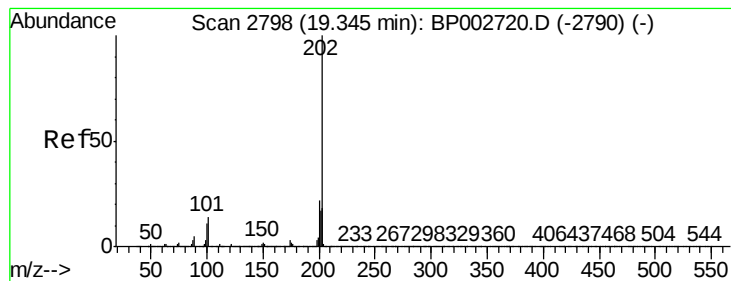


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 18.598 ng

RT: 19.35 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

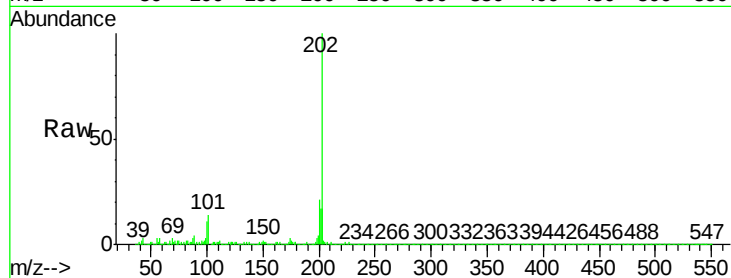
Tot Ion:202 Resp: 795058

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

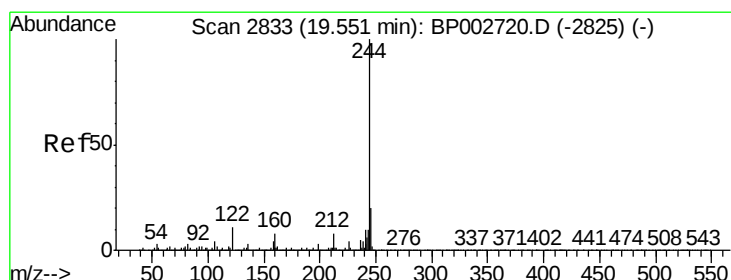
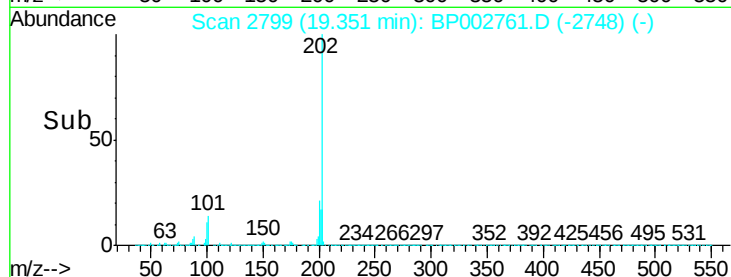
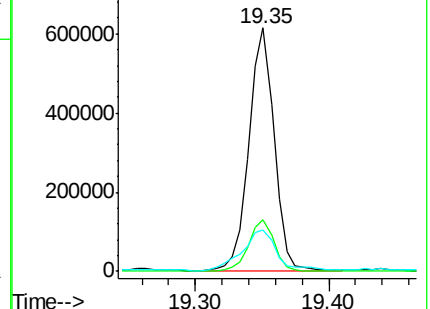
203 17.1 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 51.673 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

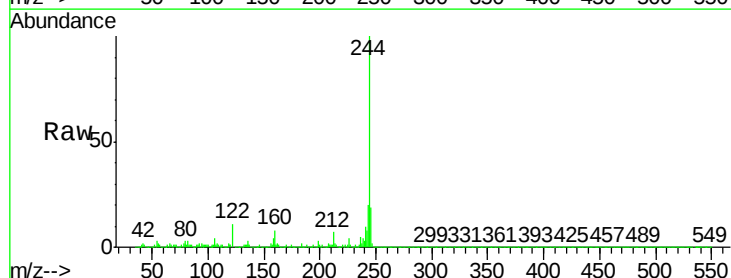
Tgt Ion:244 Resp: 1395485

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

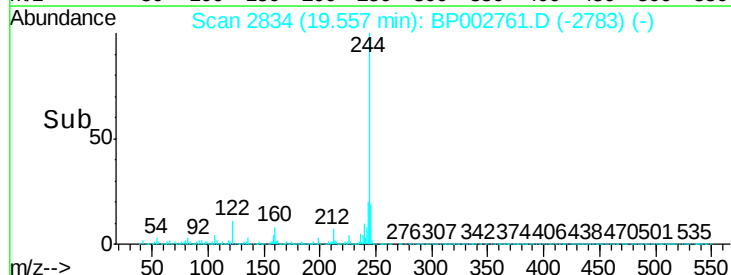
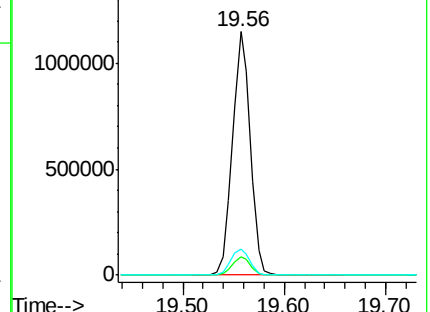
122 10.9 8.9 13.3

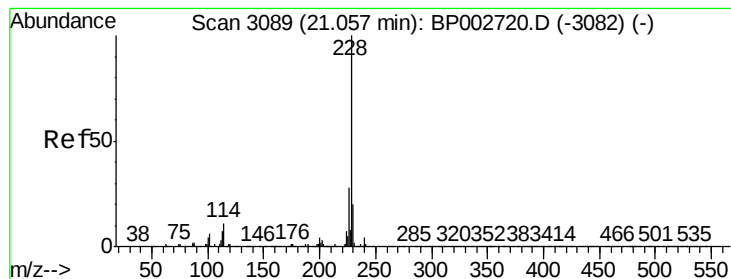


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.413 ng

RT: 21.06 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

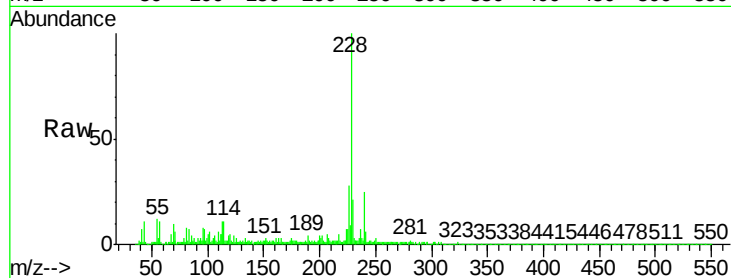
Tot Ion:228 Resp: 377263

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

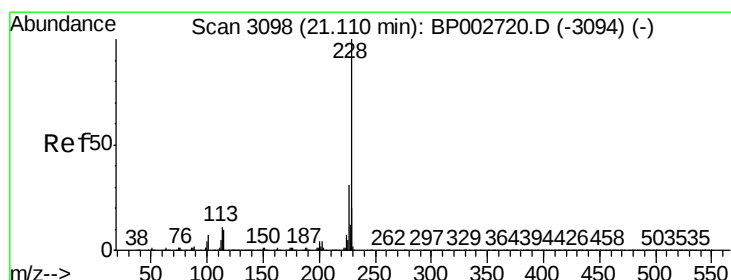
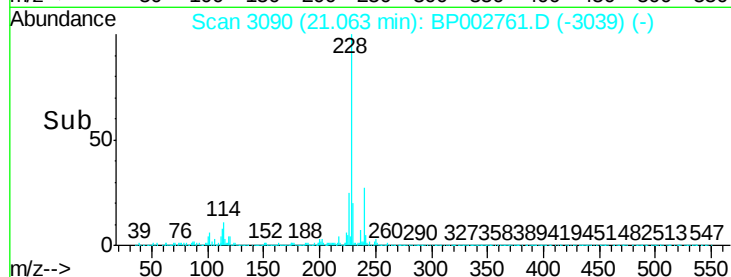
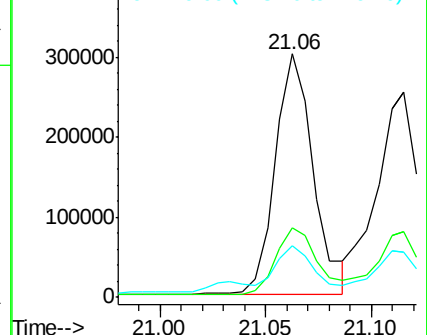
229 21.3 16.0 24.0



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: 9.164 ng

RT: 21.12 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

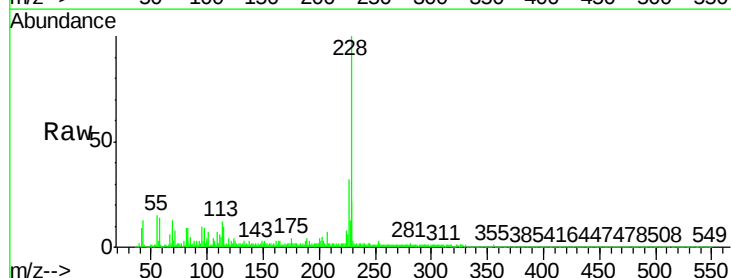
Tgt Ion:228 Resp: 349644

Ion Ratio Lower Upper

228 100

226 31.7 24.6 37.0

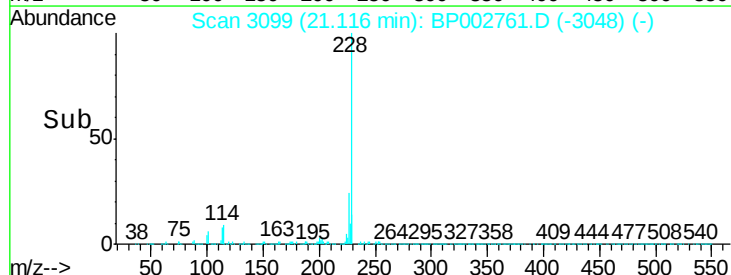
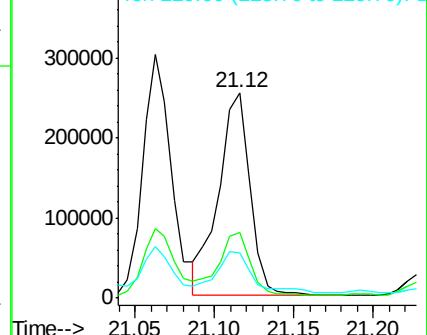
229 21.9 15.7 23.5

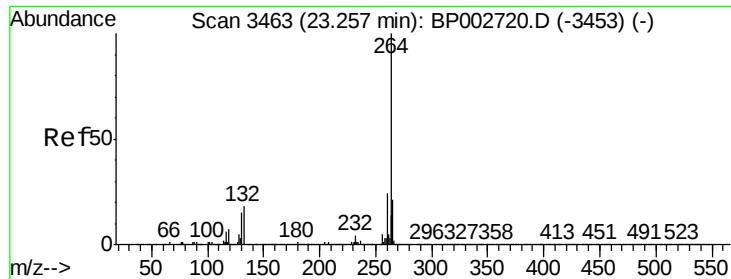


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



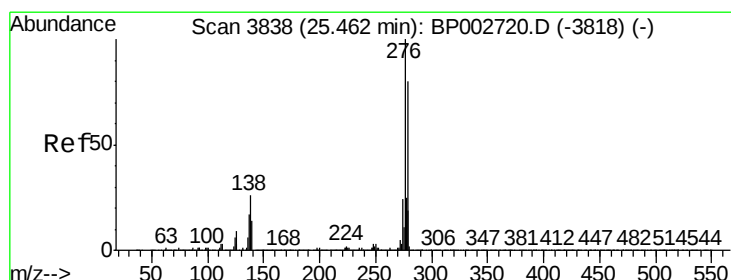
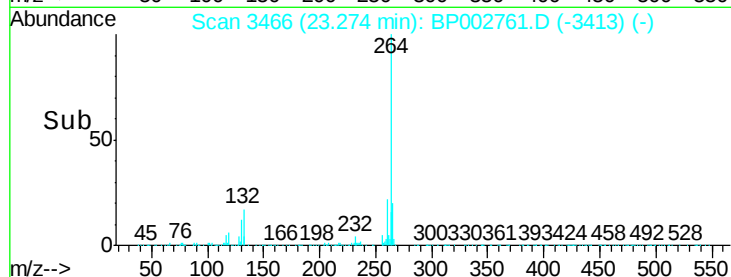
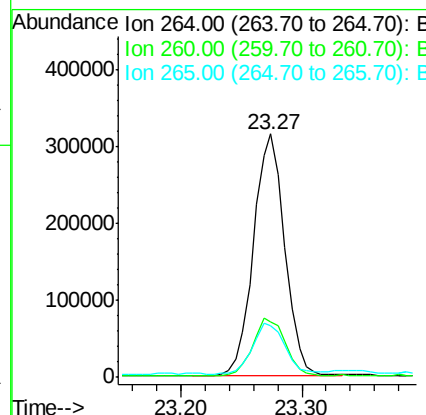
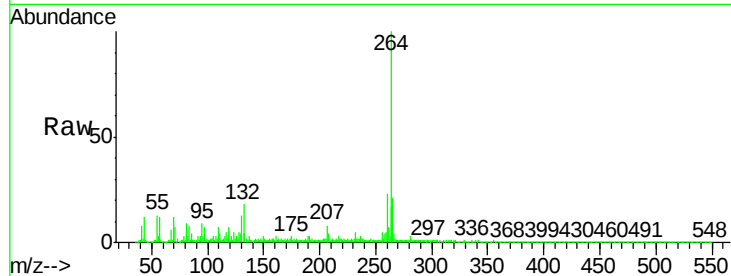


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. 0.01 min
Lab File: BP002761.D
Acq: 15 Jul 2020 19:03

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

Tot Ion:264 Resp: 565765

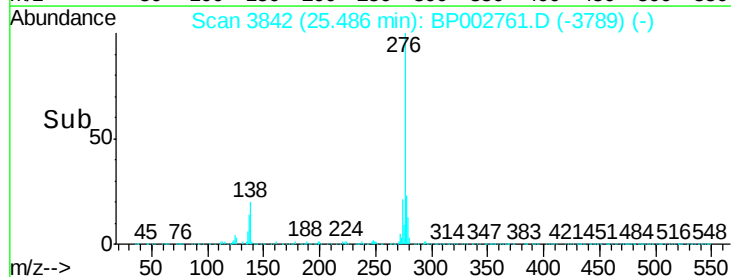
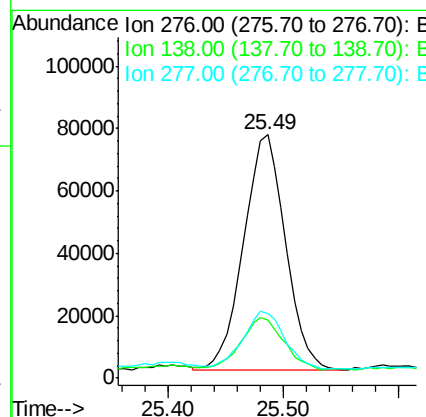
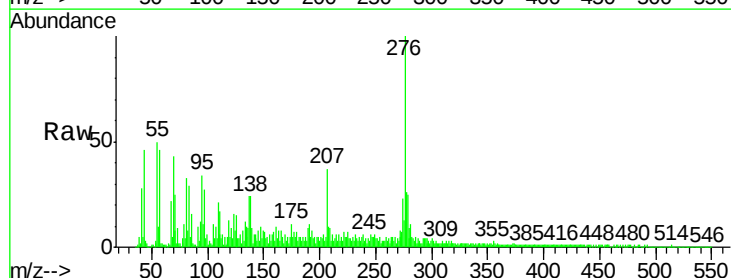
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.3	28.9
265	21.0	16.8	25.2

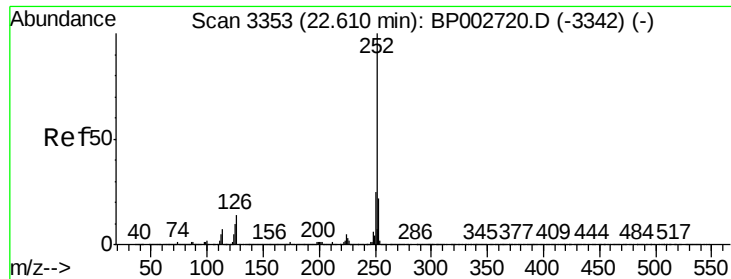


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.643 ng
RT: 25.49 min Scan# 3842
Delta R.T. 0.01 min
Lab File: BP002761.D
Acq: 15 Jul 2020 19:03

Tgt Ion:276 Resp: 189875

Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.8	31.2
277	24.9	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 14.537 ng

RT: 22.62 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

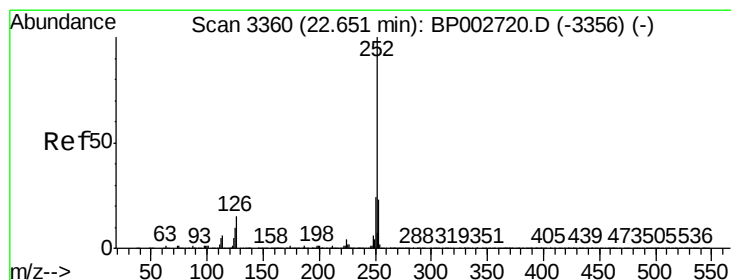
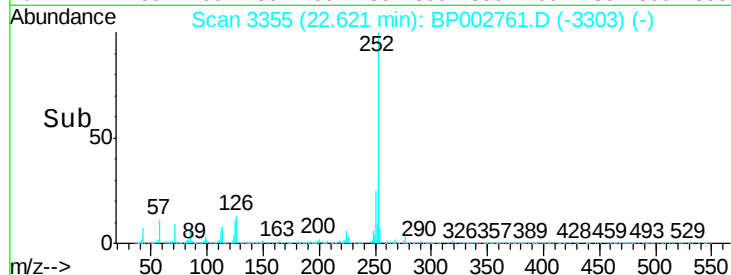
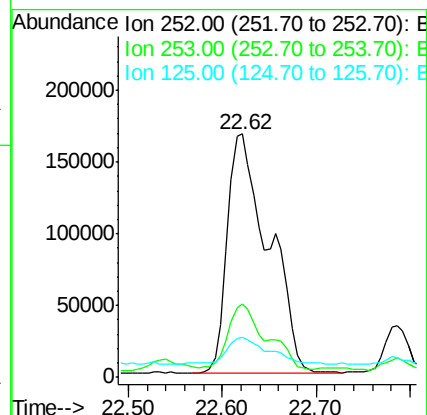
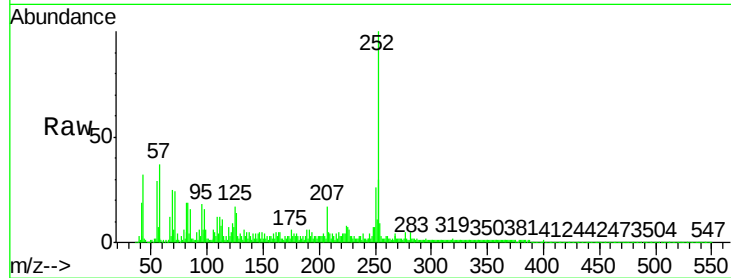
Tot Ion:252 Resp: 510688

Ion Ratio Lower Upper

252 100

253 29.9 17.7 26.5#

125 16.6 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 14.758 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

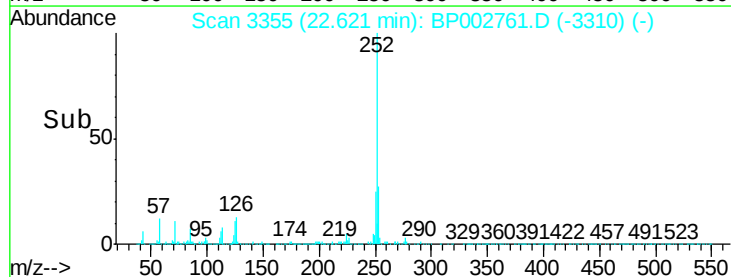
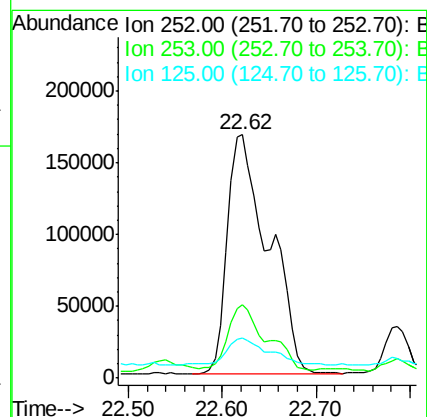
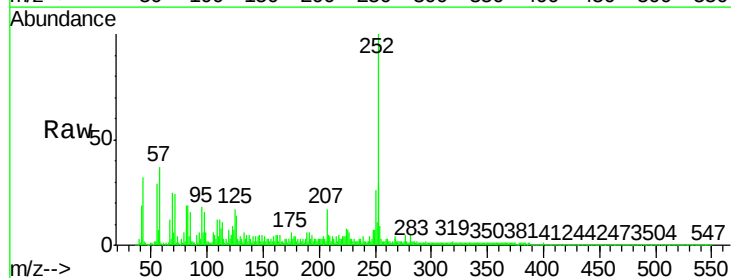
Tgt Ion:252 Resp: 510688

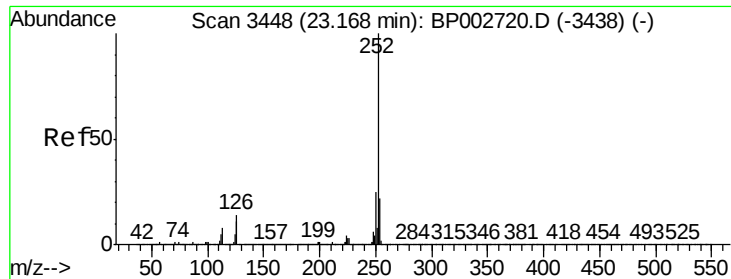
Ion Ratio Lower Upper

252 100

253 29.9 17.8 26.8#

125 16.6 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 9.066 ng

RT: 23.17 min Scan# 3449

Delta R.T. 0.00 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-058-B

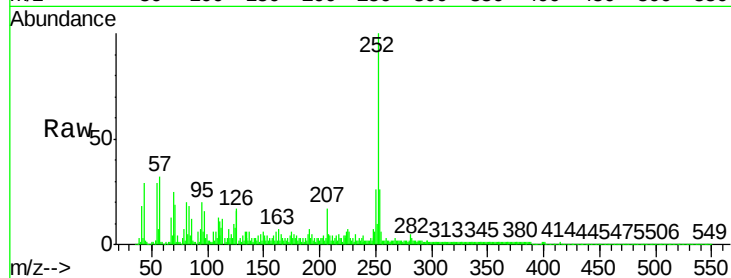
Tot Ion:252 Resp: 301800

Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

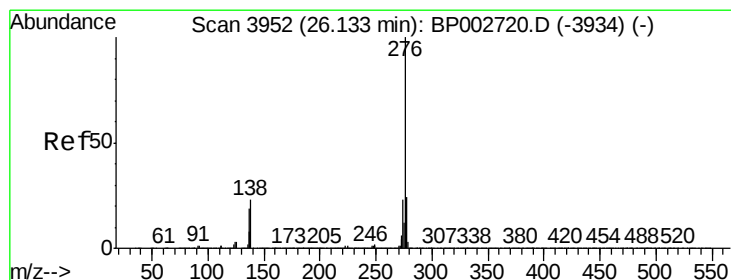
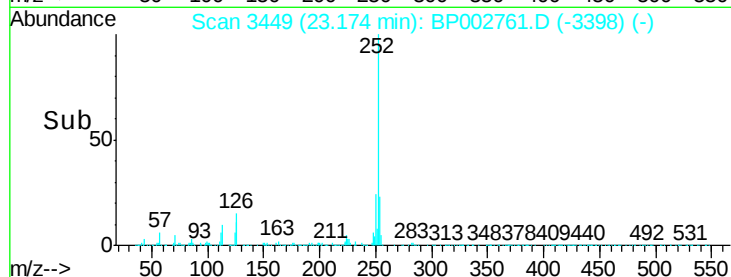
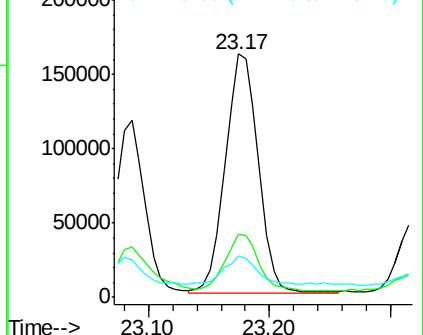
125 17.0 8.6 13.0#



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(g,h,i)perylene

Concen: 5.986 ng

RT: 26.16 min Scan# 3957

Delta R.T. 0.02 min

Lab File: BP002761.D

Acq: 15 Jul 2020 19:03

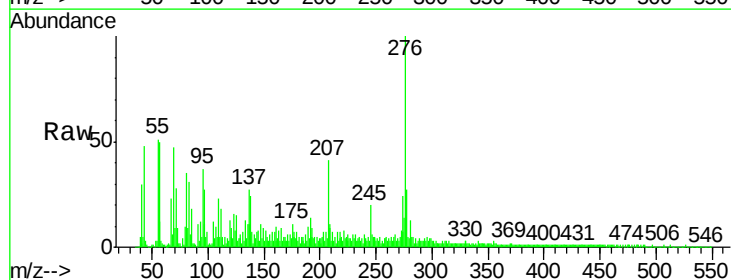
Tgt Ion:276 Resp: 200150

Ion Ratio Lower Upper

276 100

277 27.0 19.1 28.7

138 23.6 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

