

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002758.D
 Acq On : 15 Jul 2020 17:21
 Operator : CG/JU
 Sample : L3303-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 15 18:00:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	150910	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	608776	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	371963	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	788371	20.00	ng	0.00
76) Chrysene-d12	21.07	240	648891	20.00	ng	0.00
86) Perylene-d12	23.26	264	617840	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	541619	60.55	ng	0.00
7) Phenol-d6	6.76	99	729815	57.17	ng	0.00
23) Nitrobenzene-d5	8.70	82	431372	37.90	ng	0.00
42) 2,4,6-Tribromophenol	15.71	330	202689	52.20	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	904503	37.62	ng	0.00
79) Terphenyl-d14	19.55	244	1136287	40.15	ng	0.00

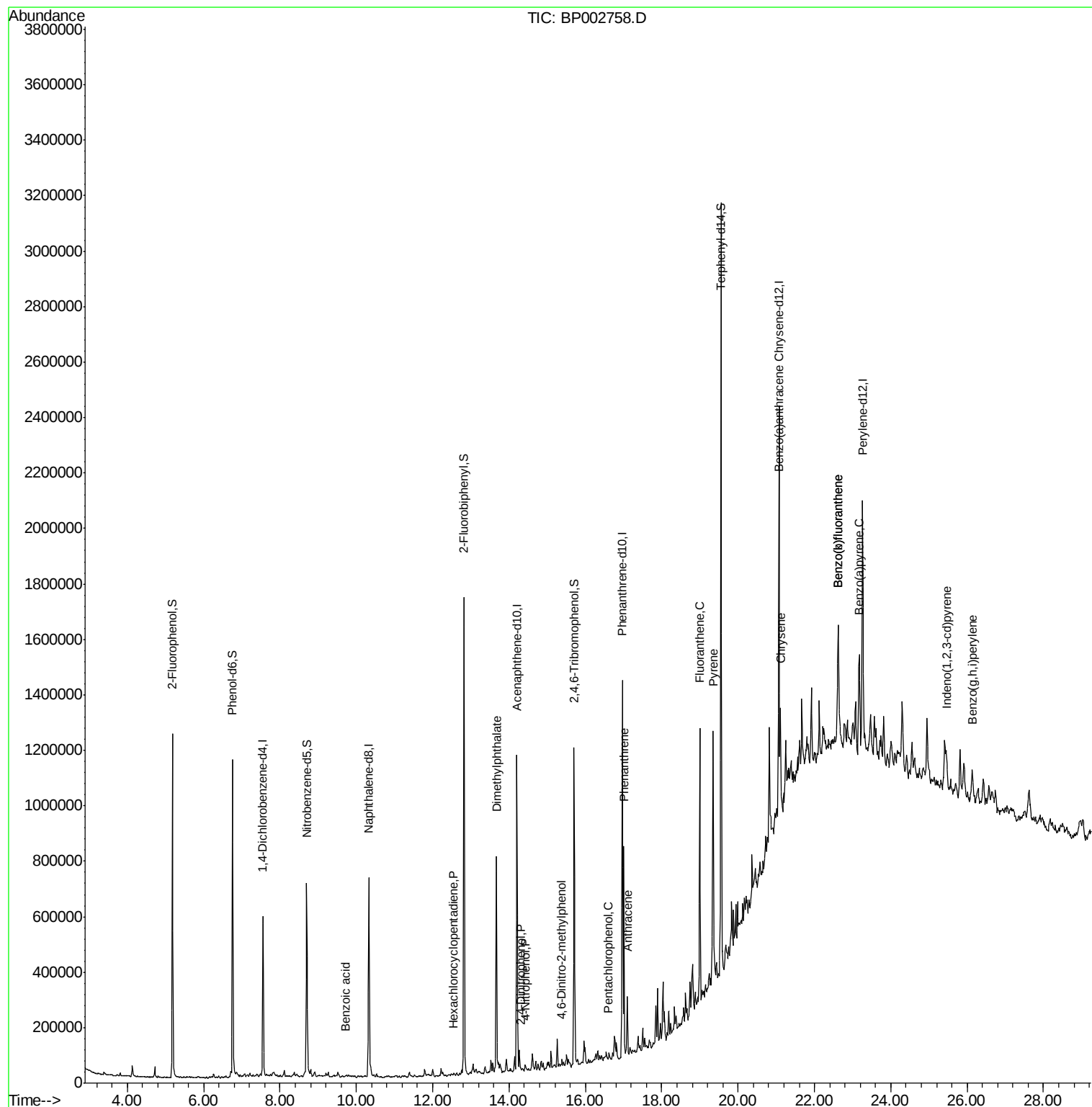
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.70	122	17	7.064	ng	# 1
41) Hexachlorocyclopentadiene	12.54	237	23	7.438	ng	93
50) Dimethylphthalate	13.67	163	508164	17.914	ng	100
54) 2,4-Dinitrophenol	14.32	184	13	11.377	ng	# 1
56) 4-Nitrophenol	14.43	139	822	5.113	ng	# 49
65) 4,6-Dinitro-2-methylphenol	15.36	198	28	5.272	ng	# 1
70) Pentachlorophenol	16.60	266	59	7.454	ng	# 75
71) Phenanthrene	17.00	178	436349	10.222	ng	99
72) Anthracene	17.10	178	123937	2.959	ng	98
75) Fluoranthene	18.99	202	571763	11.560	ng	100
78) Pyrene	19.35	202	540947	12.074	ng	99
81) Benzo(a)anthracene	21.06	228	239288	5.697	ng	93
83) Chrysene	21.11	228	216970	5.426	ng	97
87) Indeno(1,2,3-cd)pyrene	25.46	276	114347	2.561	ng	97
88) Benzo(b)fluoranthene	22.61	252	321529	8.381	ng	# 82
89) Benzo(k)fluoranthene	22.61	252	321529	8.509	ng	# 82
90) Benzo(a)pyrene	23.16	252	185910	5.114	ng	# 93
92) Benzo(g,h,i)perylene	26.13	276	124300	3.404	ng	# 90

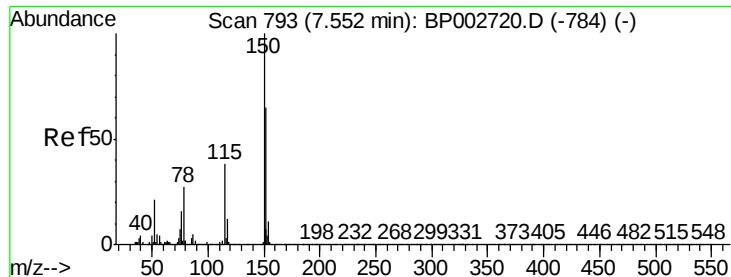
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
Data File : BP002758.D
Acq On : 15 Jul 2020 17:21
Operator : CG/JU
Sample : L3303-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jul 15 18:00:09 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



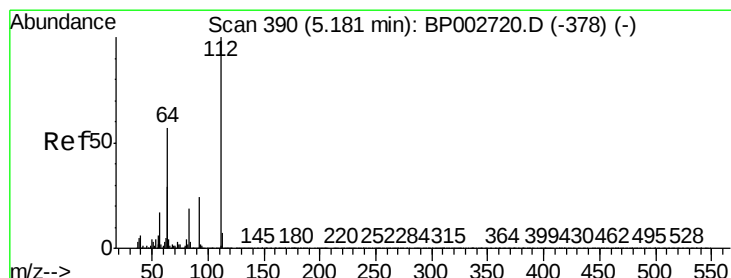
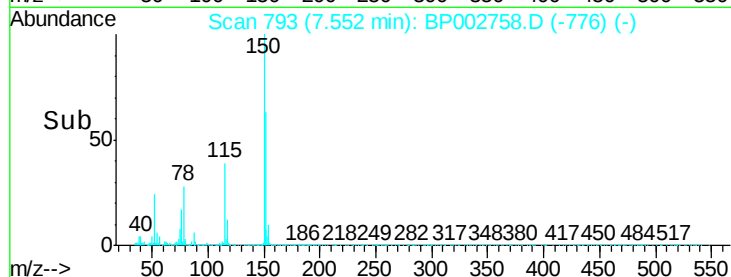
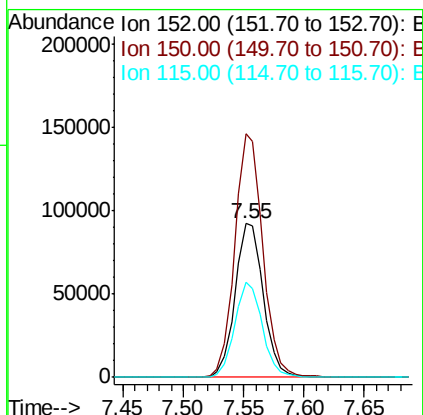
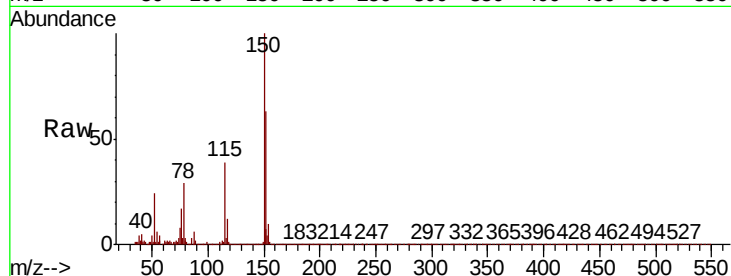


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

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

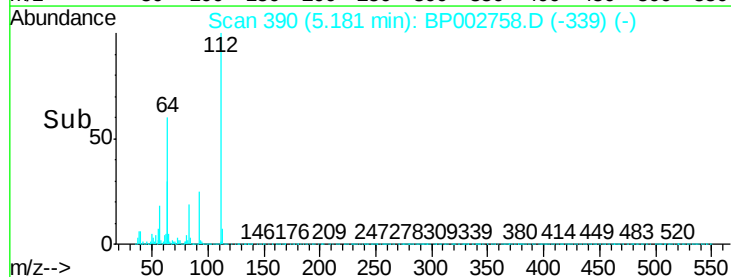
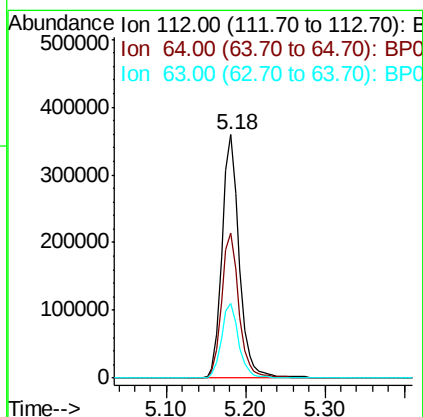
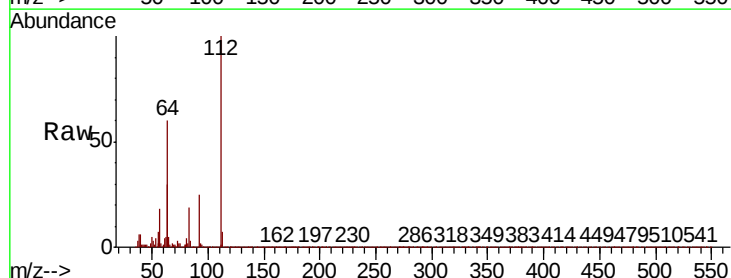
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	123.7	185.5
115	61.6	47.2	70.8

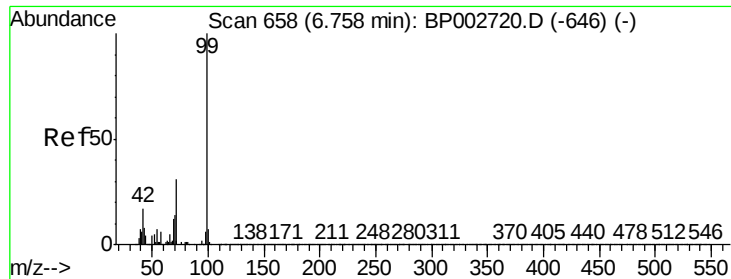


#5

2-Fluorophenol
Concen: 60.553 ng
RT: 5.18 min Scan# 390
Delta R.T. 0.00 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	45.6	68.4
63	30.4	23.5	35.3





#7

Phenol-d6

Concen: 57.172 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

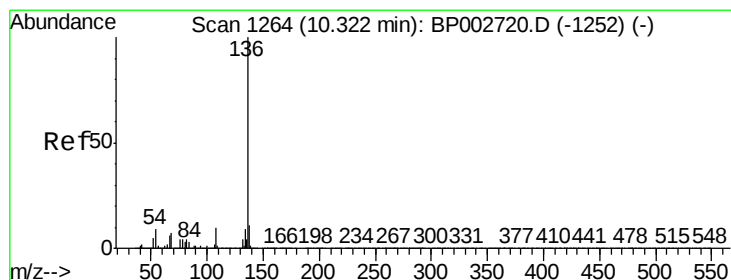
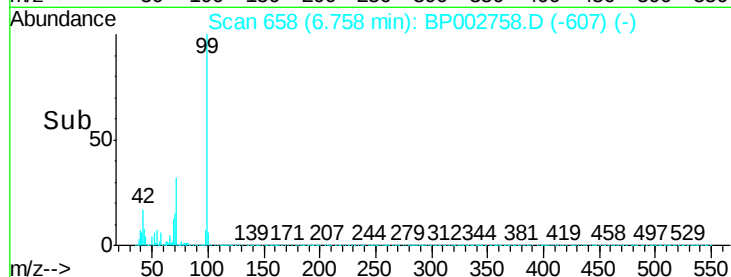
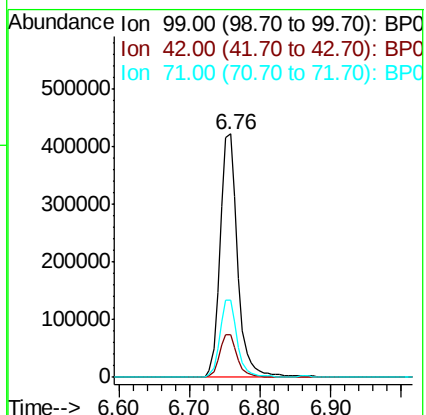
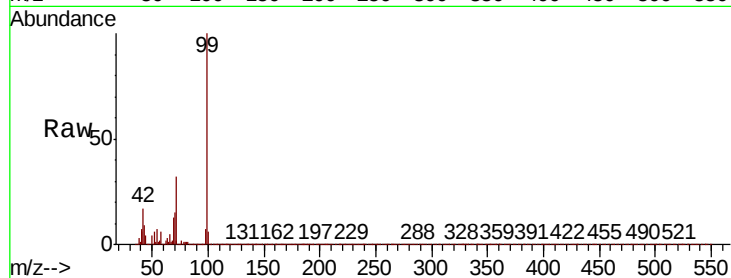
Tot Ion: 99 Resp: 729815

Ion Ratio Lower Upper

99 100

42 17.3 13.4 20.2

71 31.8 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Tgt Ion: 136 Resp: 608776

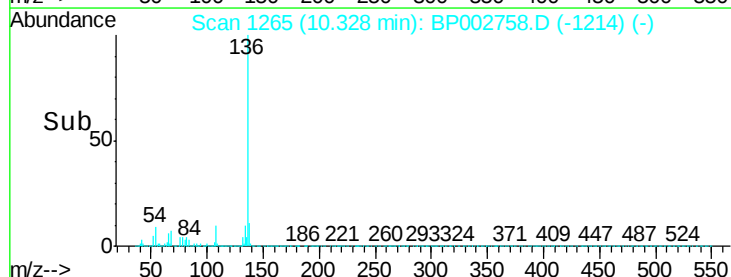
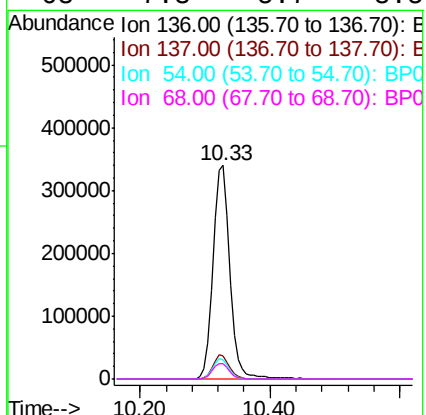
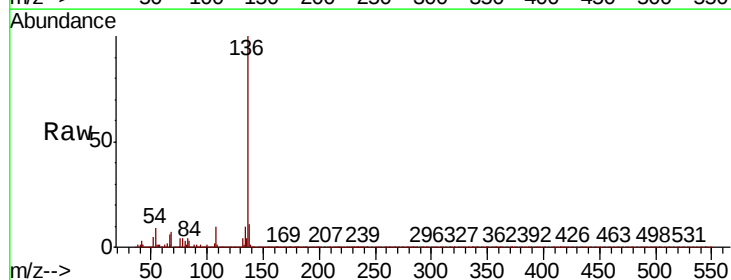
Ion Ratio Lower Upper

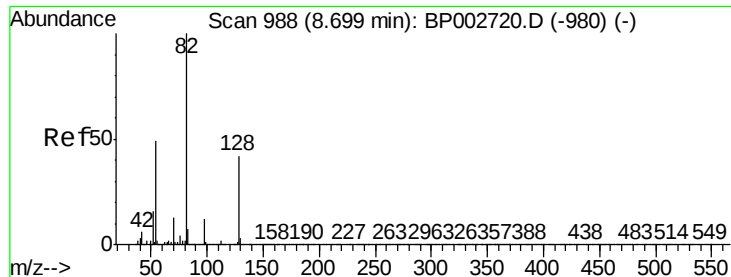
136 100

137 10.8 8.6 13.0

54 8.8 6.9 10.3

68 7.3 5.7 8.5

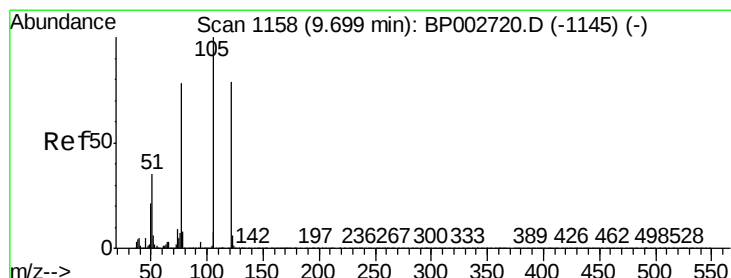
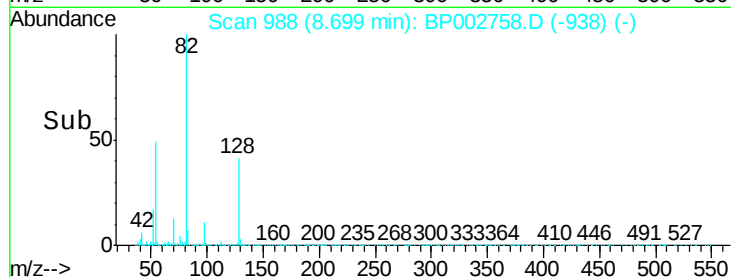
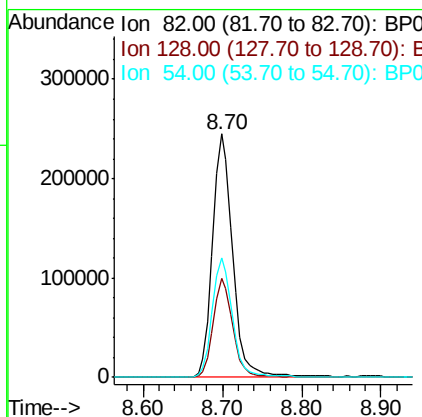
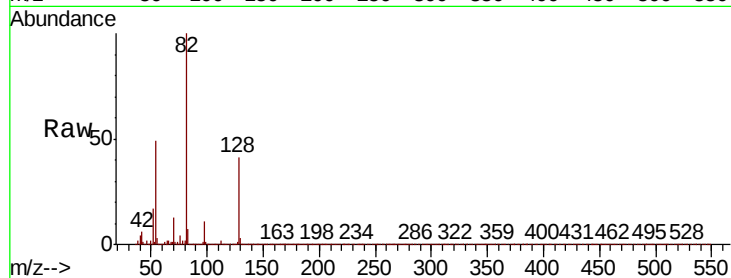




#23
 Nitrobenzene-d5
 Concen: 37.898 ng
 RT: 8.70 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: BP002758.D
 Acq: 15 Jul 2020 17:21

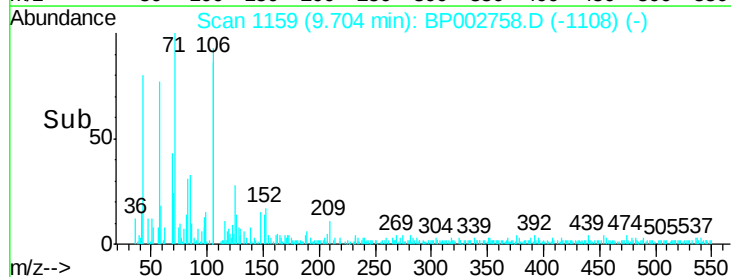
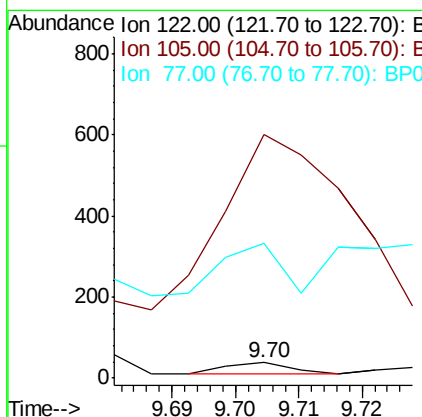
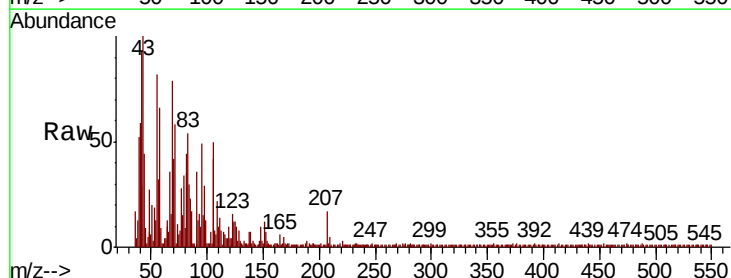
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-014-A

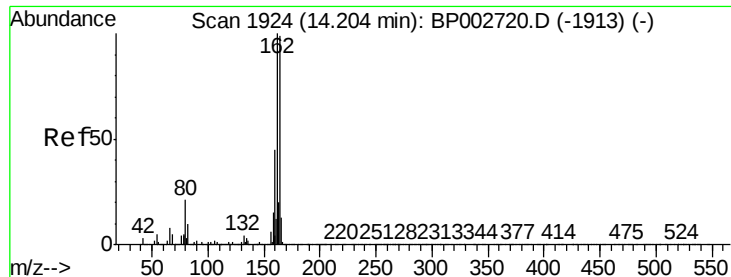
Tot Ion	82	Resp	431372
Ion Ratio	Lower	Upper	
82	100		
128	40.8	33.8	50.8
54	49.1	38.8	58.2



#32
 Benzoic acid
 Concen: 7.064 ng
 RT: 9.70 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BP002758.D
 Acq: 15 Jul 2020 17:21

Tgt Ion	122	Resp	17
Ion Ratio	Lower	Upper	
122	100		
105	1581.6	105.4	145.4#
77	878.9	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

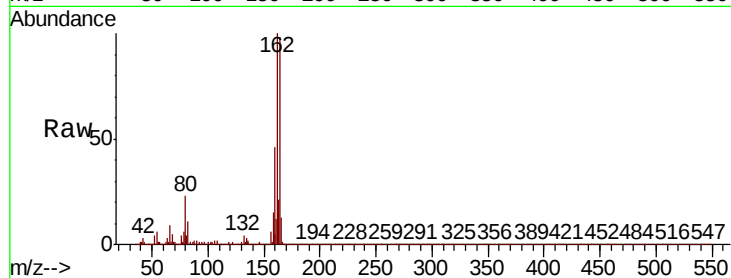
Tot Ion:164 Resp: 371963

Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

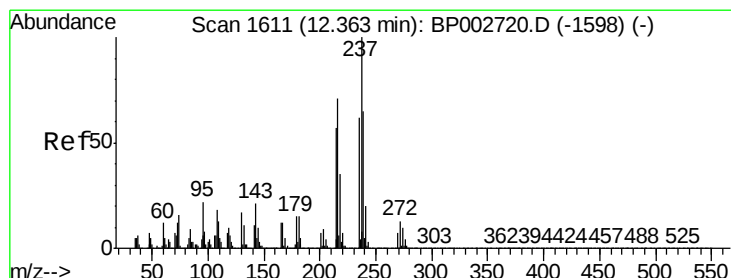
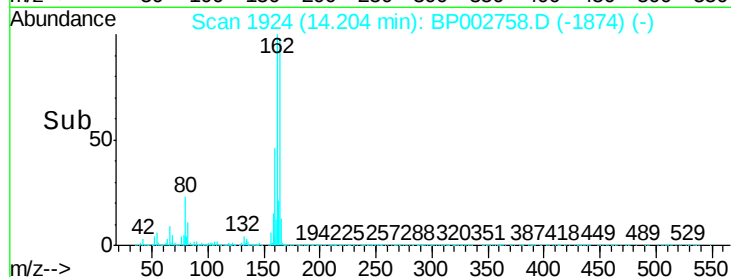
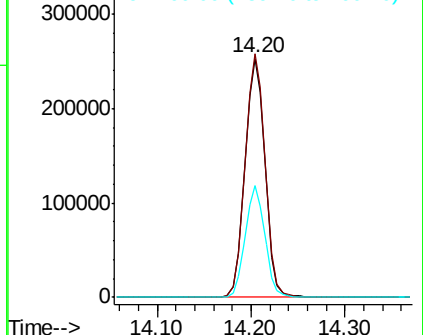
160 46.7 36.4 54.6



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: 7.438 ng

RT: 12.54 min Scan# 1641

Delta R.T. 0.18 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

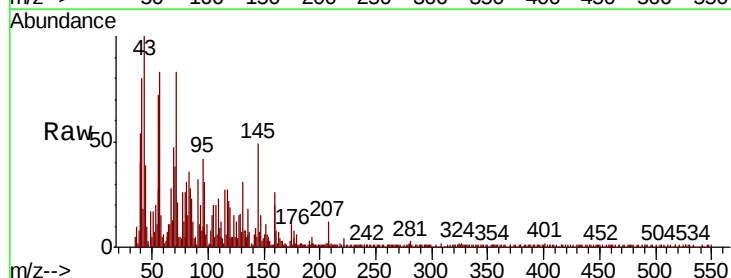
Tgt Ion:237 Resp: 23

Ion Ratio Lower Upper

237 100

235 63.6 42.3 82.3

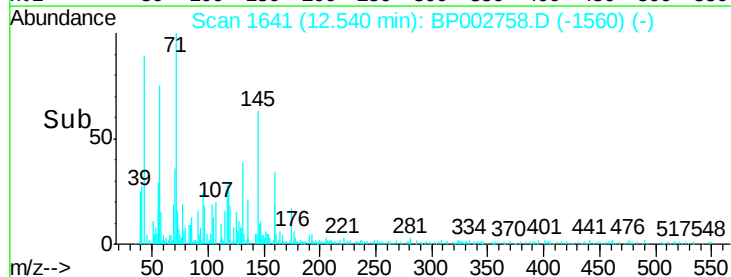
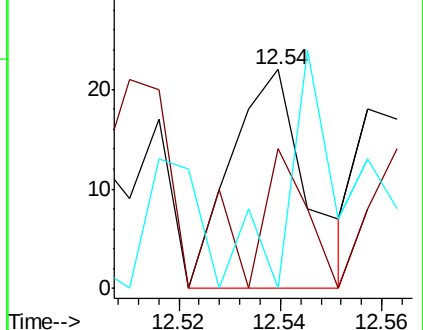
272 0.0 0.0 32.5

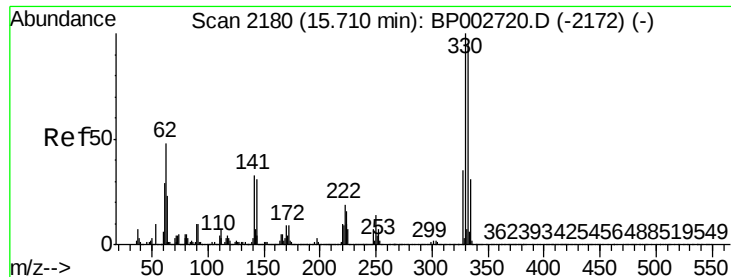


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

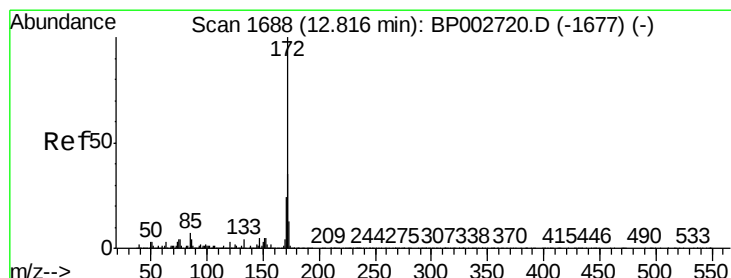
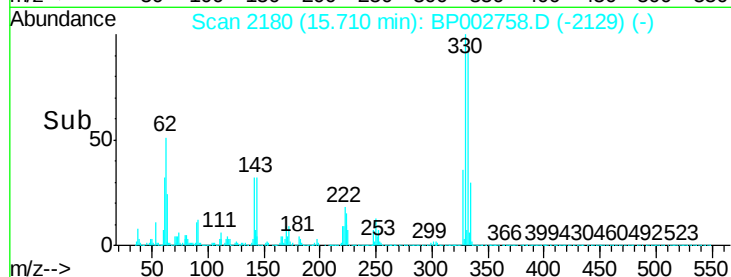
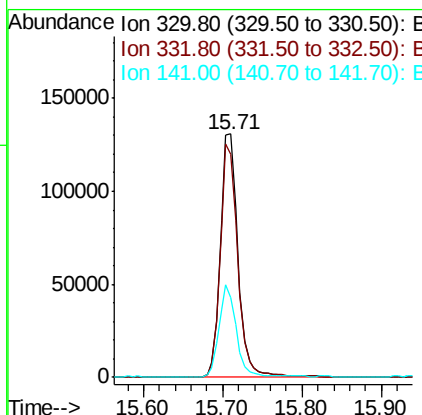
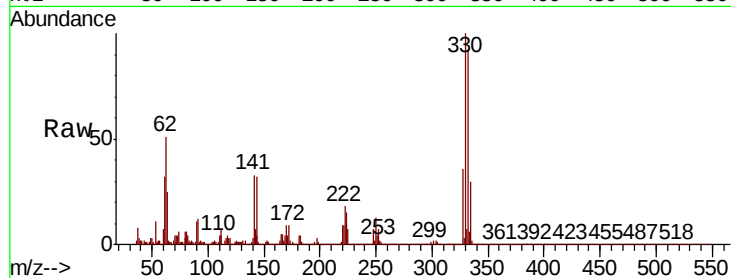




#42
 2,4,6-Tribromophenol
 Concen: 52.203 ng
 RT: 15.71 min Scan# 2180
 Delta R.T. 0.00 min
 Lab File: BP002758.D
 Acq: 15 Jul 2020 17:21

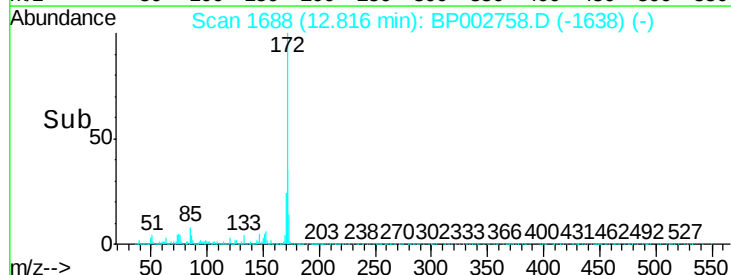
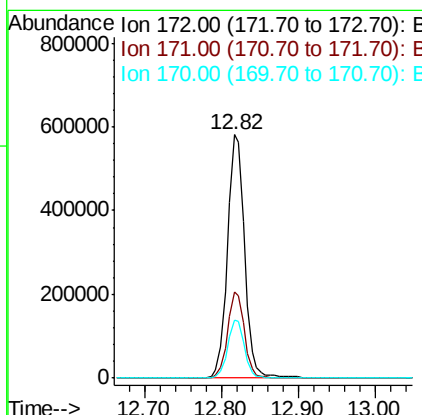
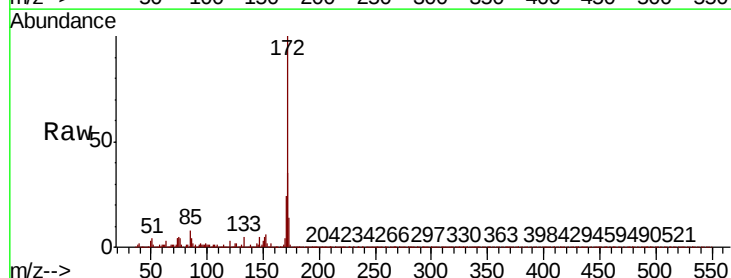
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-014-A

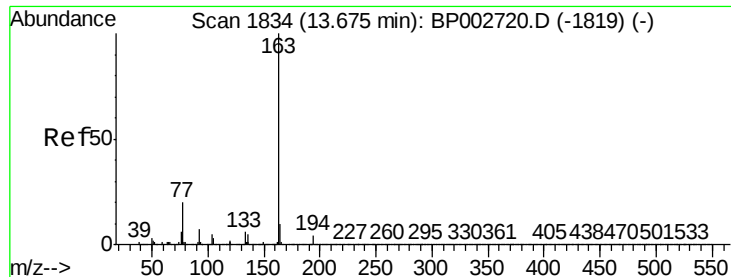
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.5	114.7
141	35.8	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 37.618 ng
 RT: 12.82 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BP002758.D
 Acq: 15 Jul 2020 17:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.8	19.3	28.9





#50

Dimethylphthalate

Concen: 17.914 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

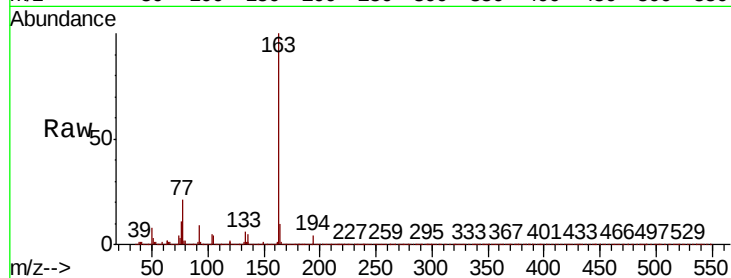
Tot Ion:163 Resp: 508164

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

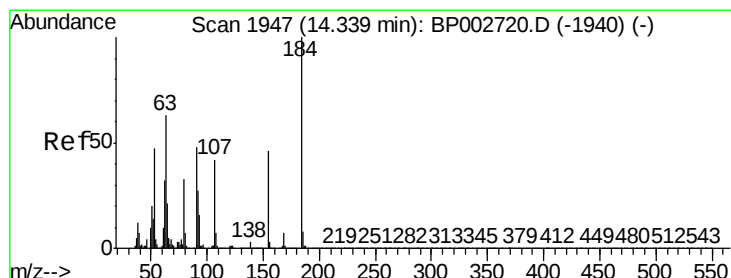
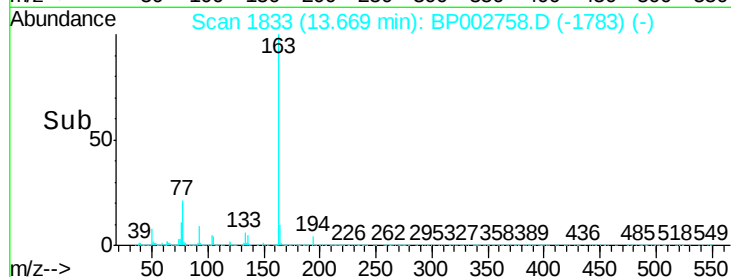
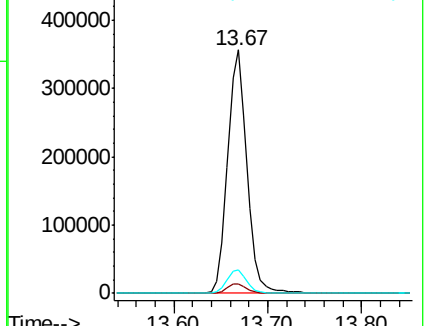
164 9.7 7.8 11.8



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: 11.377 ng

RT: 14.32 min Scan# 1944

Delta R.T. -0.02 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

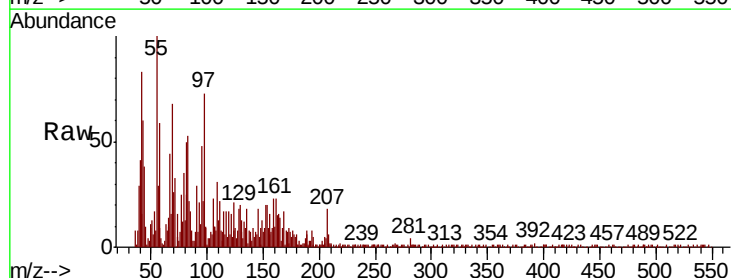
Tgt Ion:184 Resp: 13

Ion Ratio Lower Upper

184 100

63 780.8 51.6 77.4#

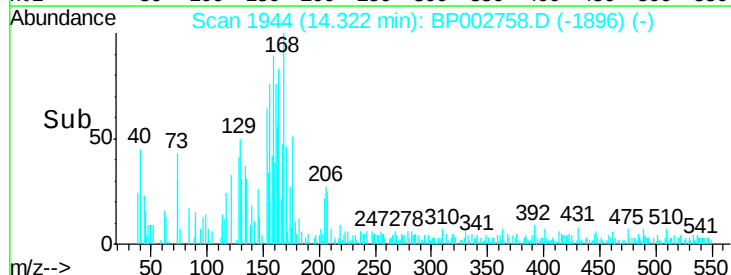
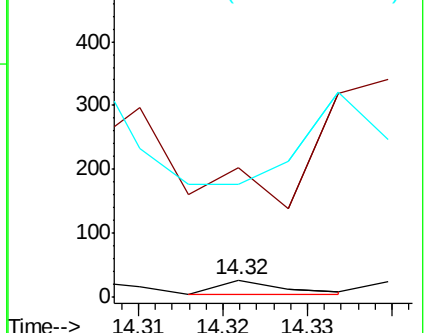
154 676.9 45.0 67.6#

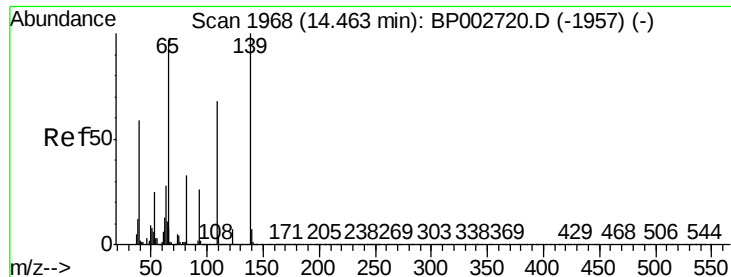


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 5.113 ng

RT: 14.43 min Scan# 1962

Delta R.T. -0.04 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

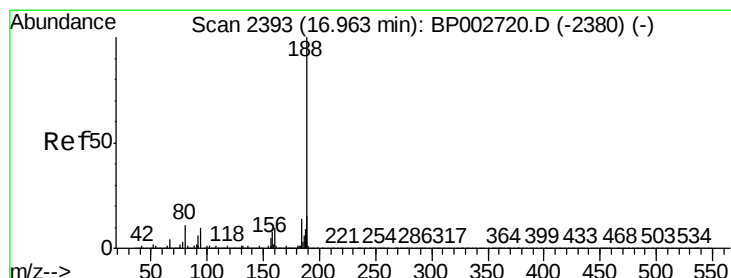
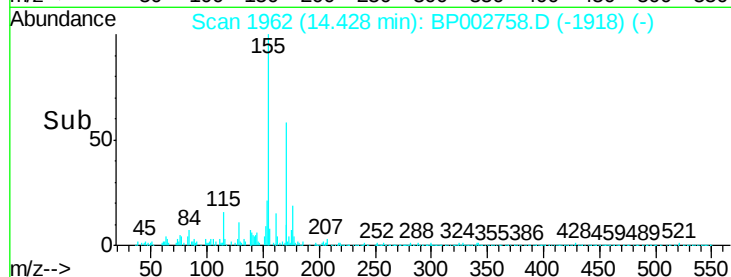
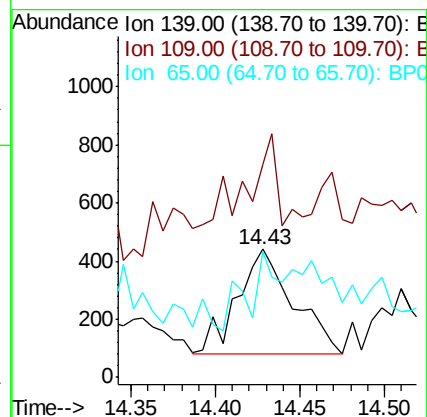
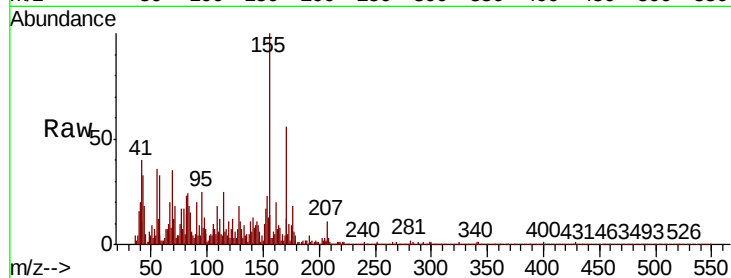
Tot Ion:139 Resp: 822

Ion Ratio Lower Upper

139 100

109 166.8 48.1 88.1#

65 98.9 77.9 117.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

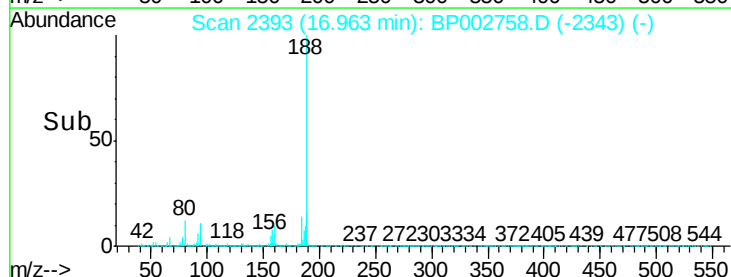
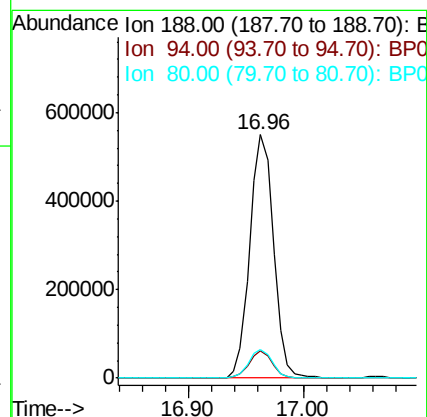
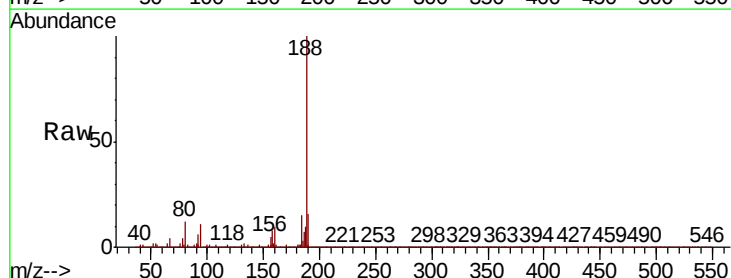
Tgt Ion:188 Resp: 788371

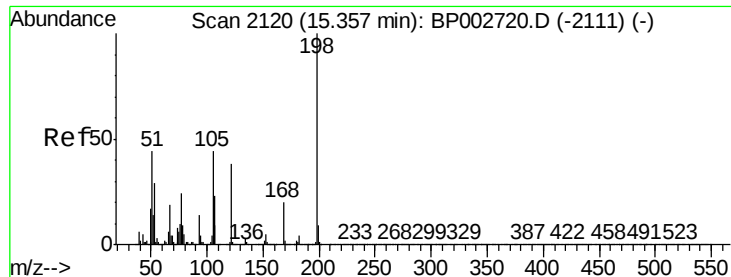
Ion Ratio Lower Upper

188 100

94 11.1 8.1 12.1

80 11.7 8.9 13.3

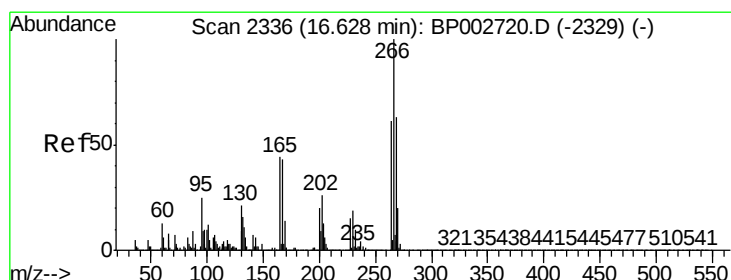
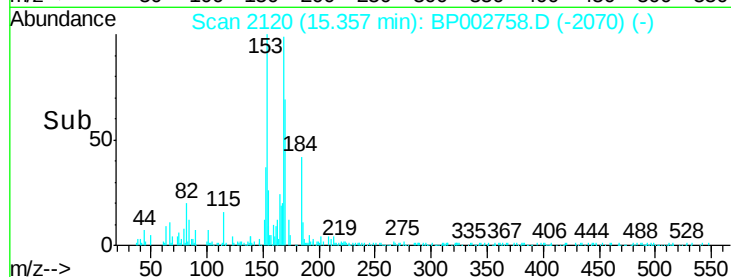
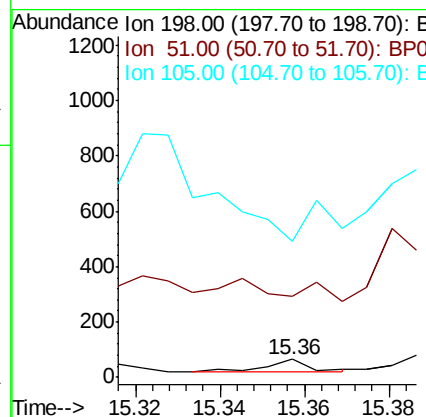
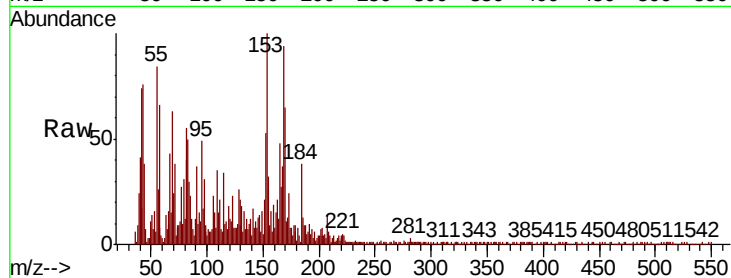




#65
4,6-Dinitro-2-methylphenol
Concen: 5.272 ng
RT: 15.36 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

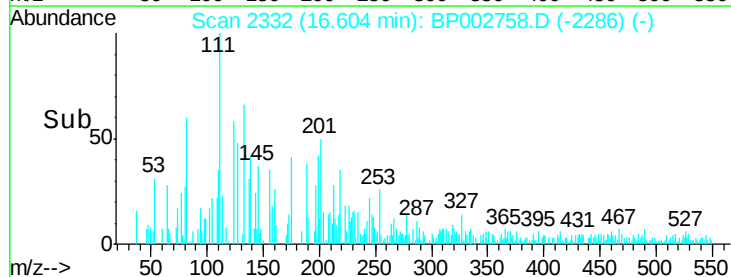
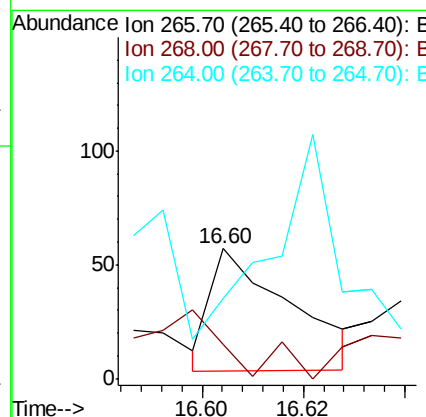
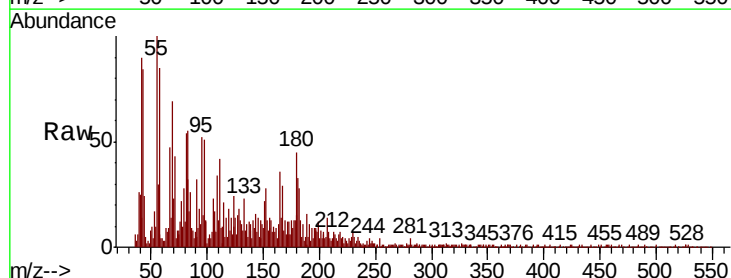
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-A

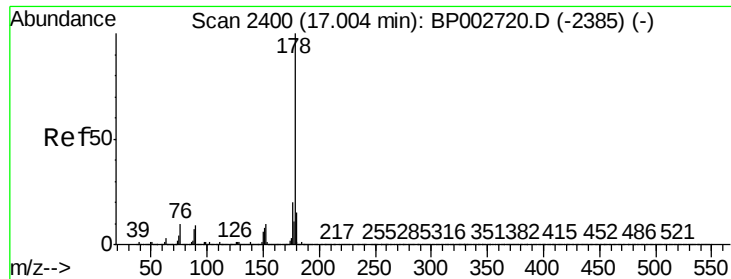
Tot Ion:198 Resp: 28
Ion Ratio Lower Upper
198 100
51 445.5 27.1 67.1#
105 743.9 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.454 ng
RT: 16.60 min Scan# 2332
Delta R.T. -0.03 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

Tgt Ion:266 Resp: 59
Ion Ratio Lower Upper
266 100
268 26.3 50.6 75.8#
264 61.4 48.6 72.8

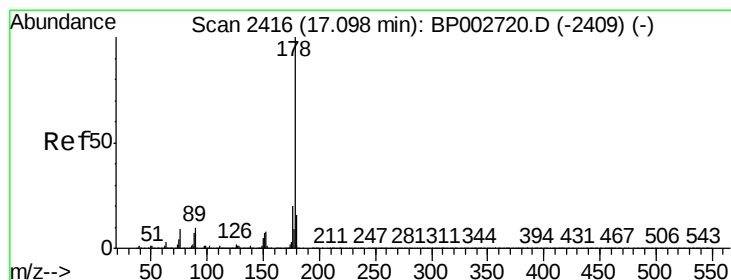
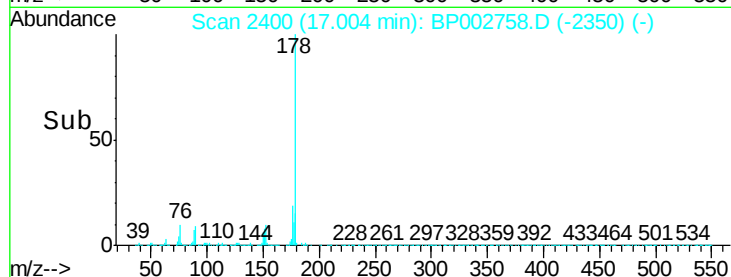
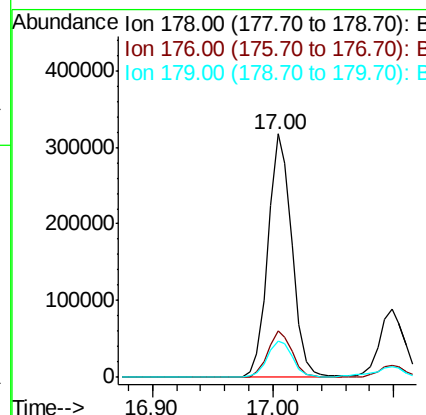
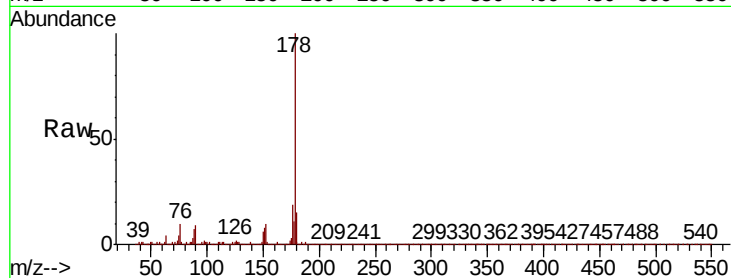




#71
Phenanthrene
Concen: 10.222 ng
RT: 17.00 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

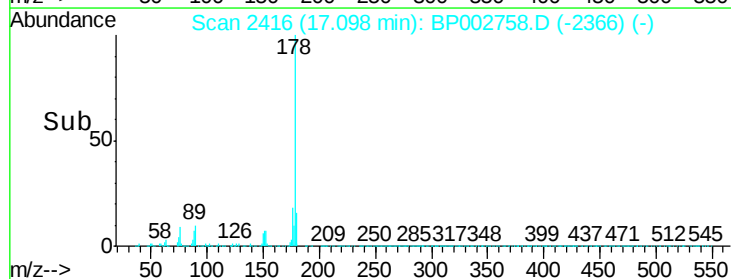
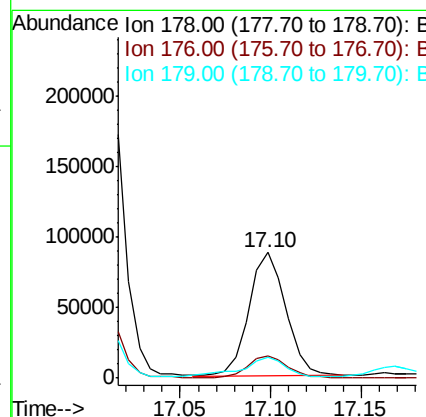
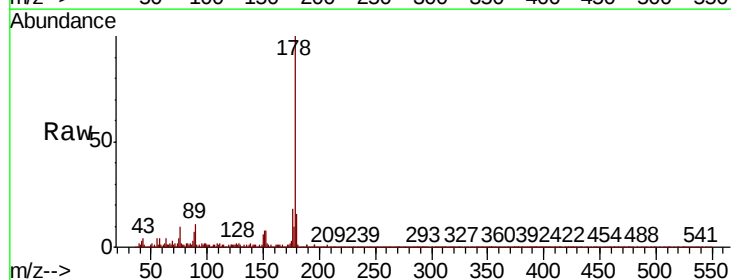
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-A

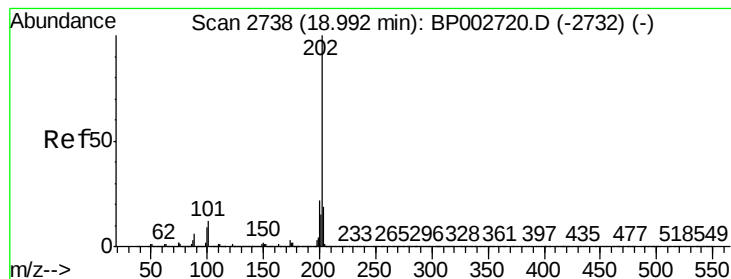
Tot Ion:178 Resp: 436349
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 14.7 12.3 18.5



#72
Anthracene
Concen: 2.959 ng
RT: 17.10 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

Tgt Ion:178 Resp: 123937
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 16.3 12.6 19.0





#75

Fluoranthene

Concen: 11.560 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

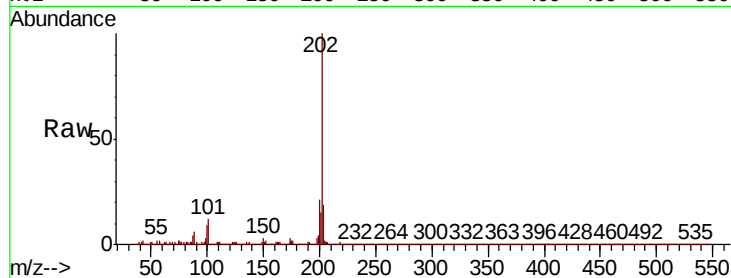
Tot Ion:202 Resp: 571763

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.5

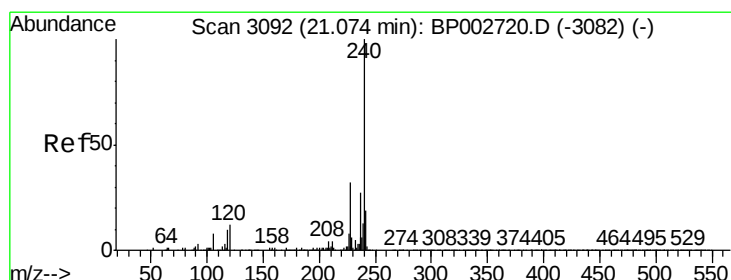
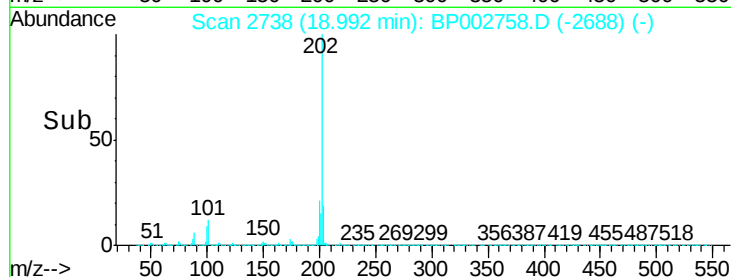
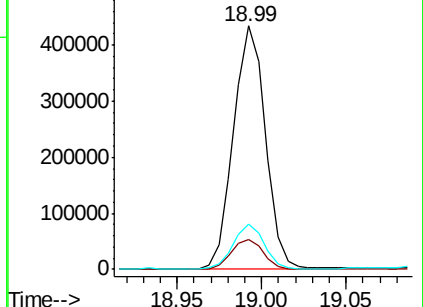
203 18.7 0.0 38.6



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: 21.07 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

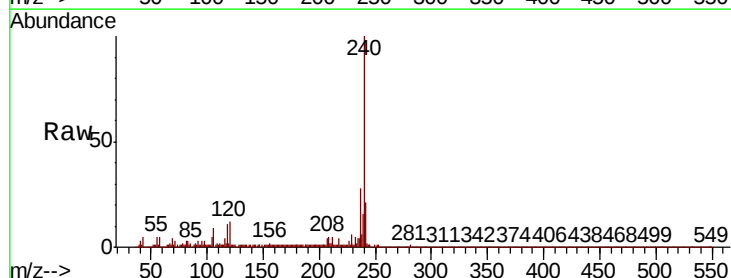
Tgt Ion:240 Resp: 648891

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

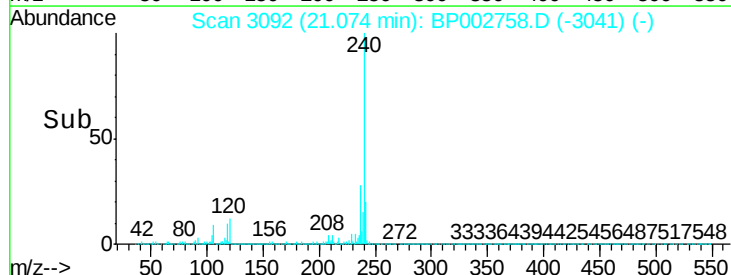
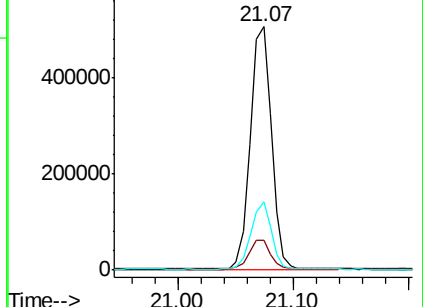
236 28.1 21.3 31.9

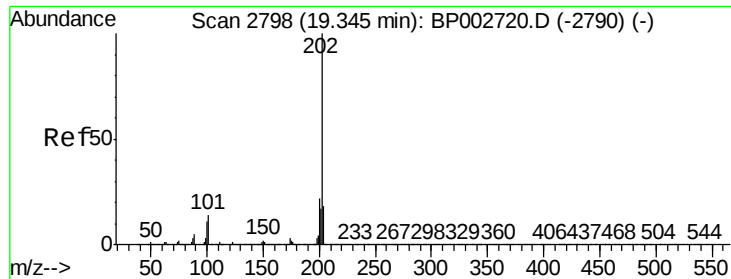


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

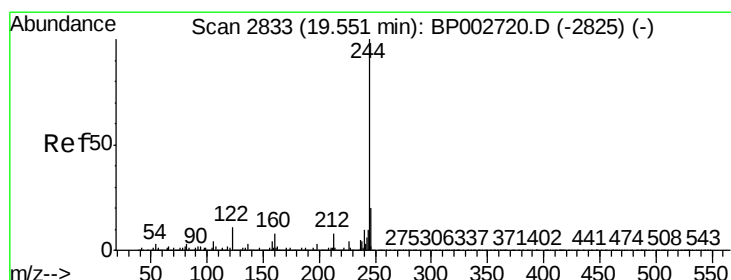
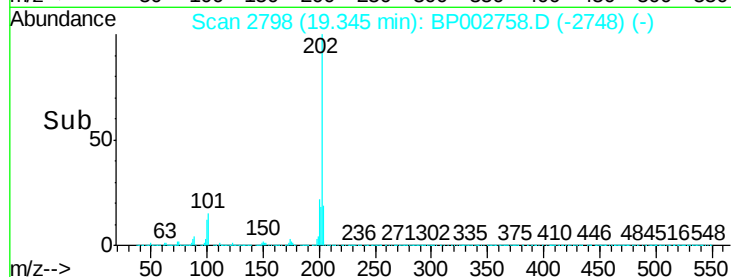
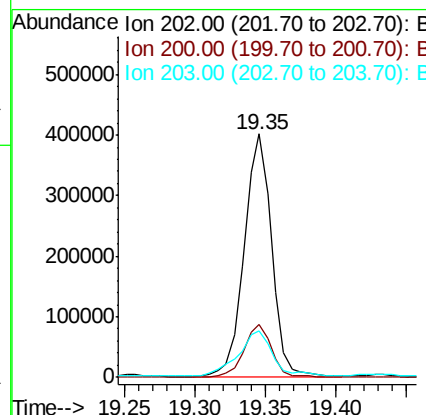
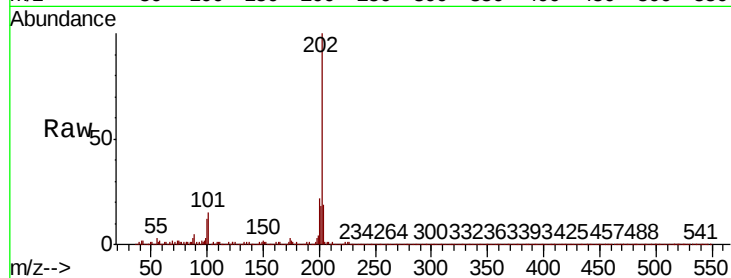




#78
Pvrene
Concen: 12.074 ng
RT: 19.35 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

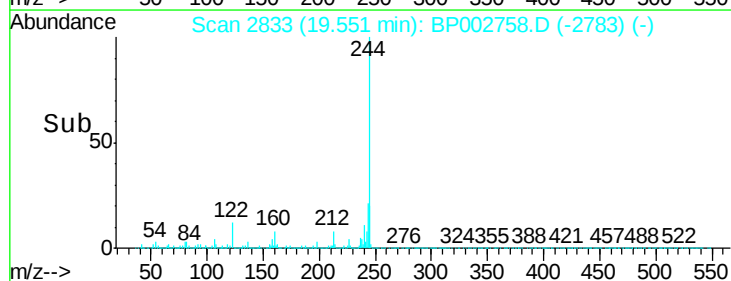
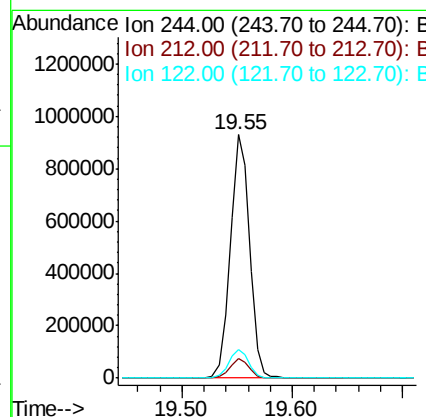
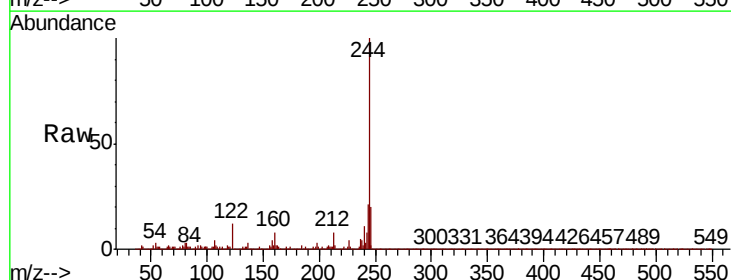
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-A

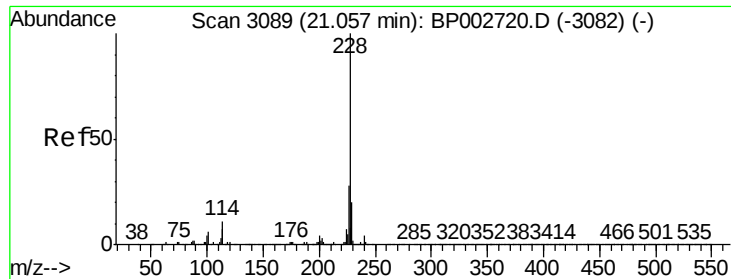
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.7	26.5
203	19.0	14.5	21.7



#79
Terphenyl-d14
Concen: 40.148 ng
RT: 19.55 min Scan# 2833
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	11.8	8.9	13.3

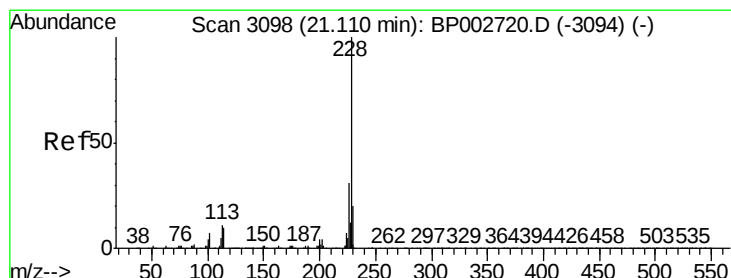
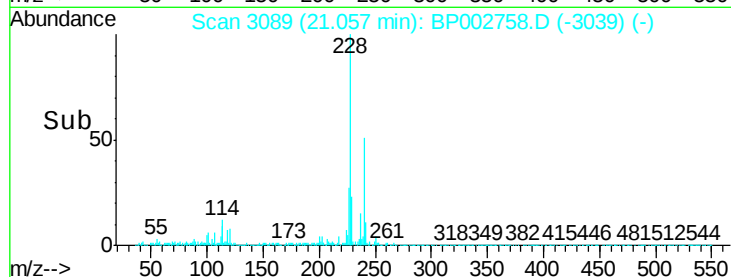
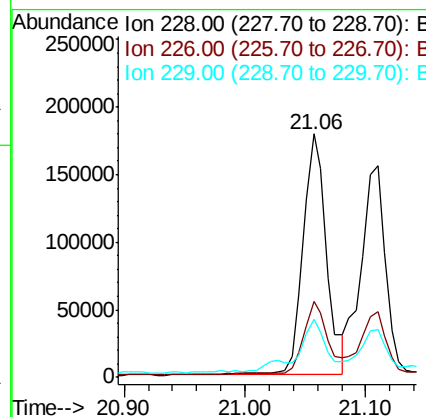
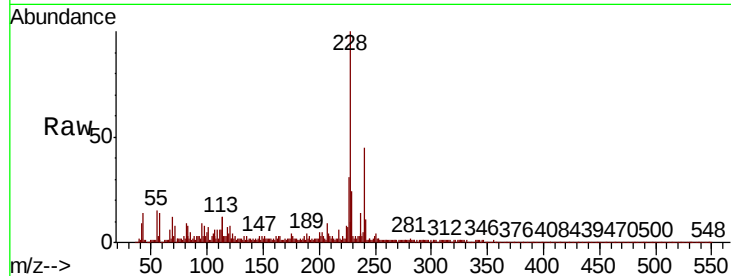




#81
Benzo(a)anthracene
Concen: 5.697 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

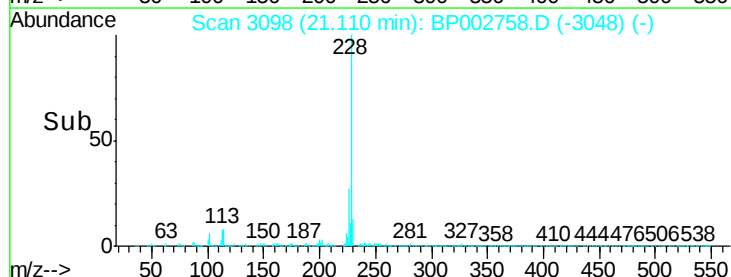
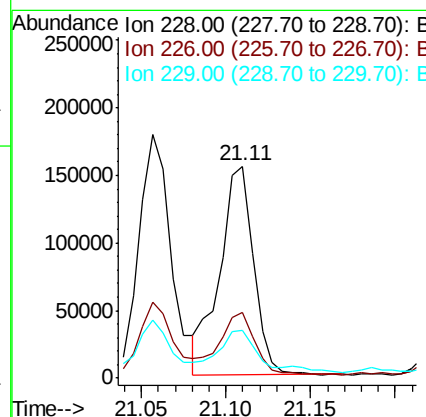
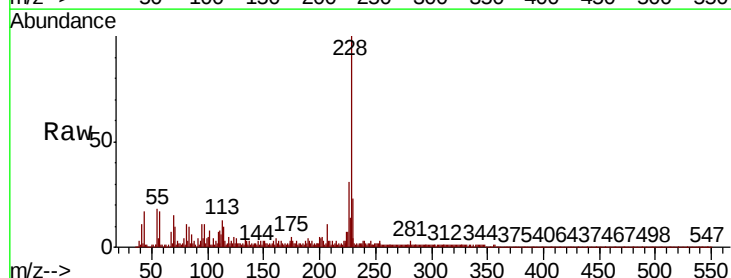
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-014-A

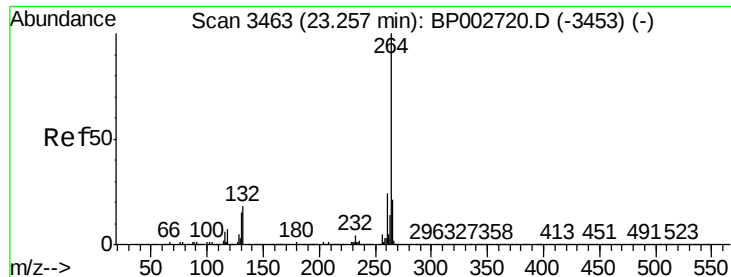
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	34.0
229	23.8	16.0	24.0



#83
Chrysene
Concen: 5.426 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	22.7	15.7	23.5



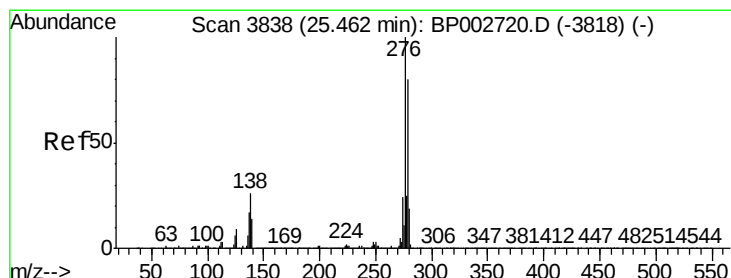
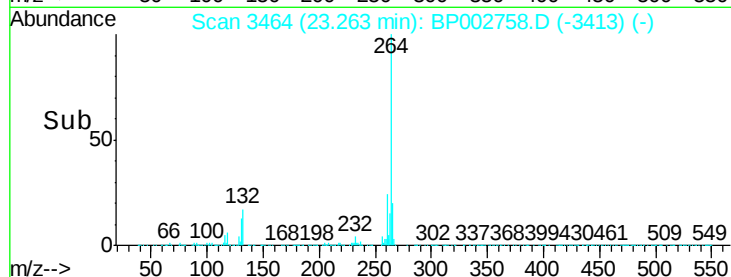
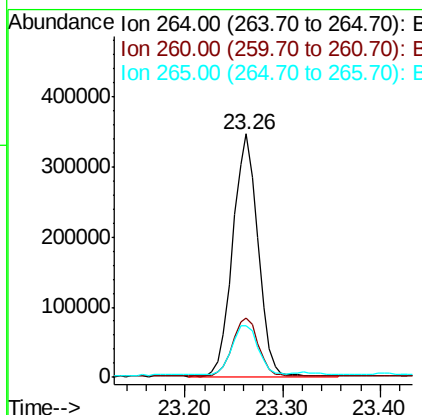
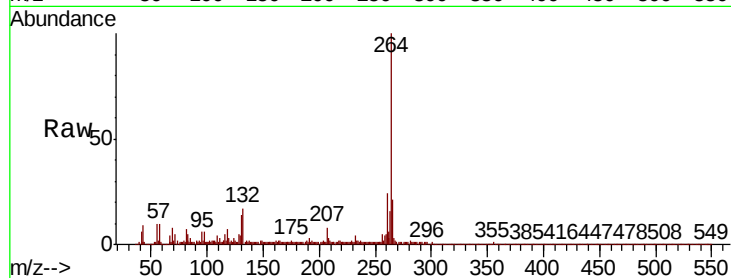


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

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

Tot Ion:264 Resp: 617840

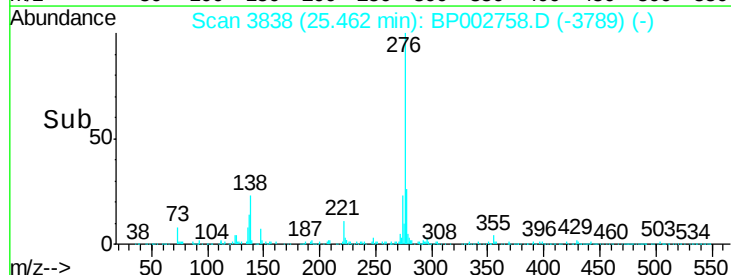
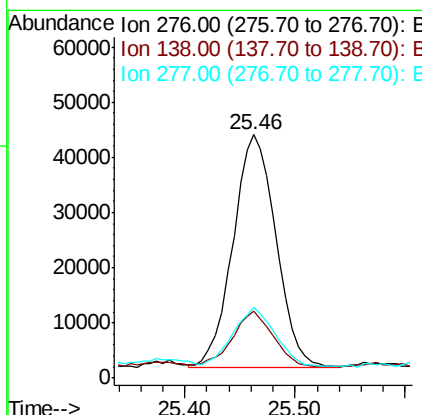
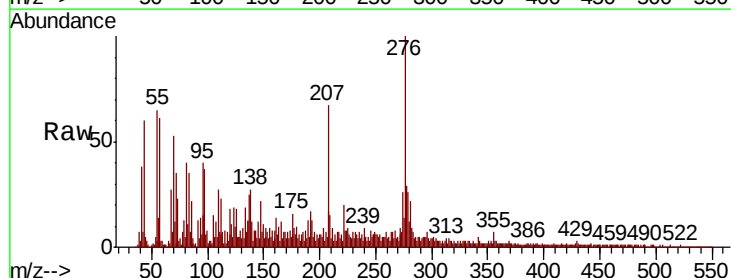
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	21.2	16.8	25.2

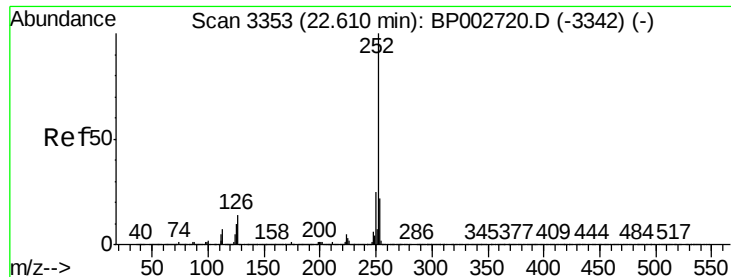


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.561 ng
RT: 25.46 min Scan# 3838
Delta R.T. -0.01 min
Lab File: BP002758.D
Acq: 15 Jul 2020 17:21

Tgt Ion:276 Resp: 114347

Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.8	31.2
277	24.8	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 8.381 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

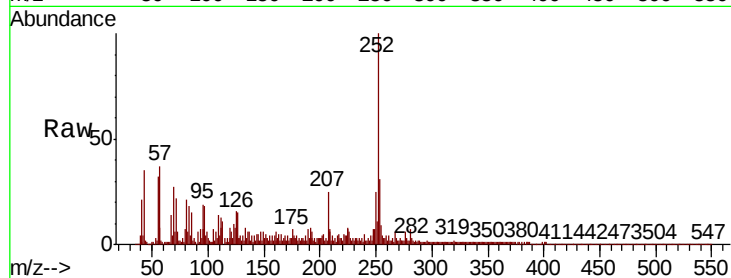
Tot Ion:252 Resp: 321529

Ion Ratio Lower Upper

252 100

253 31.2 17.7 26.5#

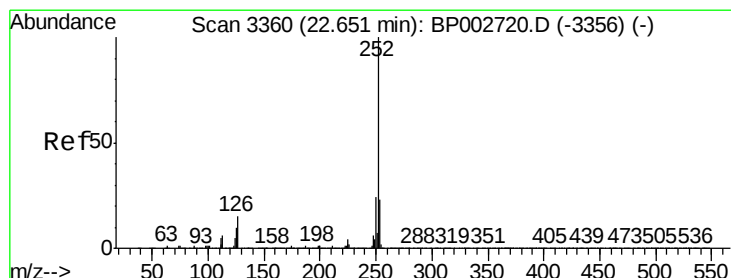
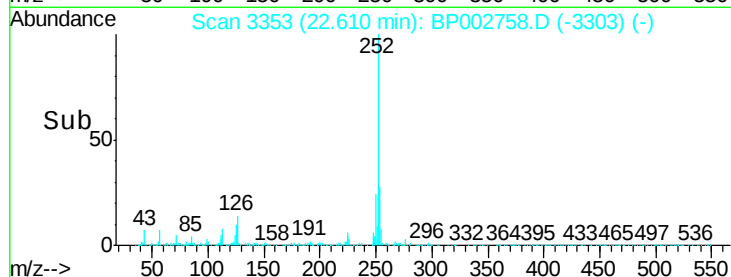
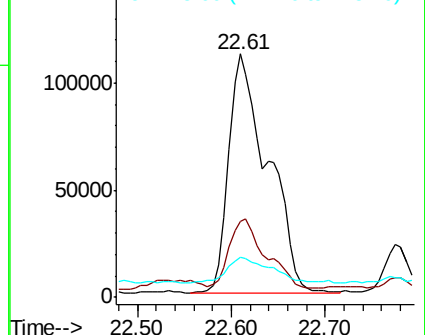
125 16.3 8.2 12.2#



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



#89

Benzo(k)fluoranthene

Concen: 8.509 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.05 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

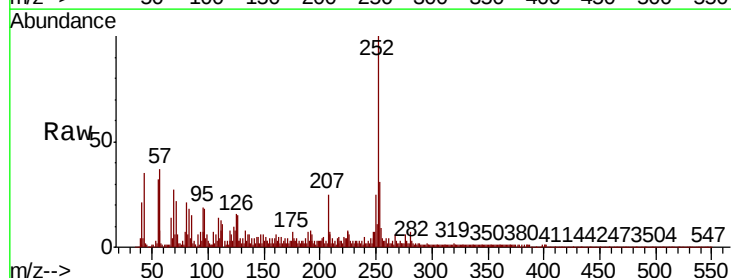
Tgt Ion:252 Resp: 321529

Ion Ratio Lower Upper

252 100

253 31.2 17.8 26.8#

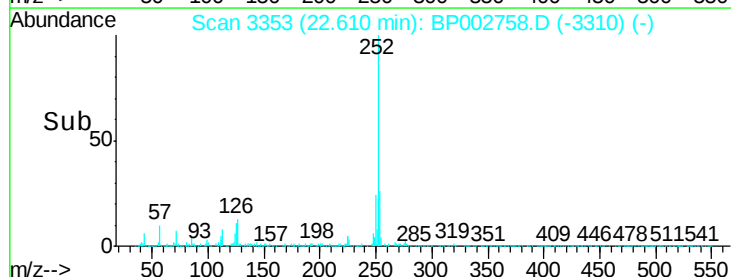
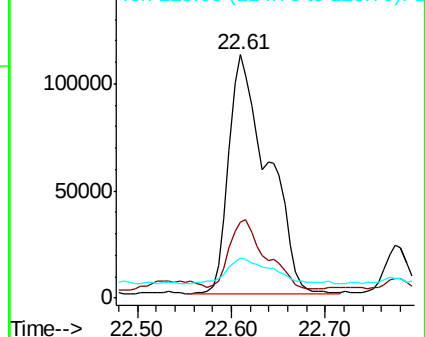
125 16.3 8.3 12.5#

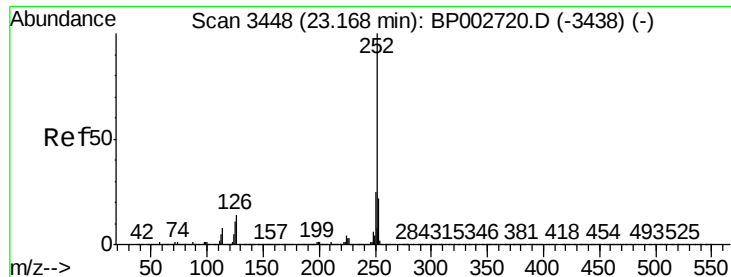


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.114 ng

RT: 23.16 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-014-A

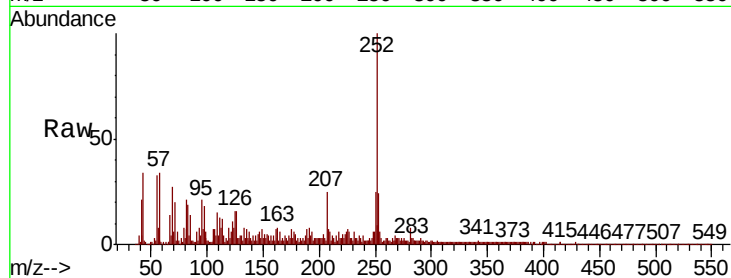
Tot Ion:252 Resp: 185910

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

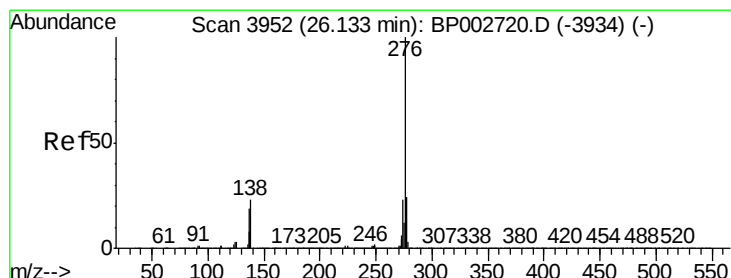
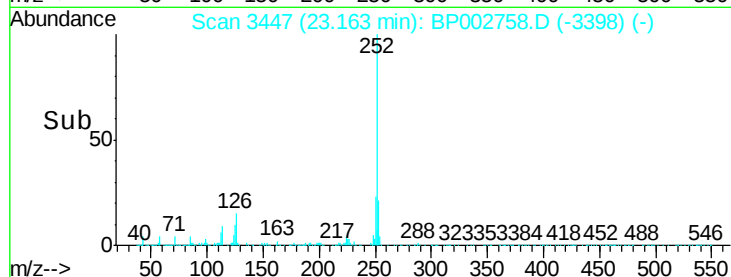
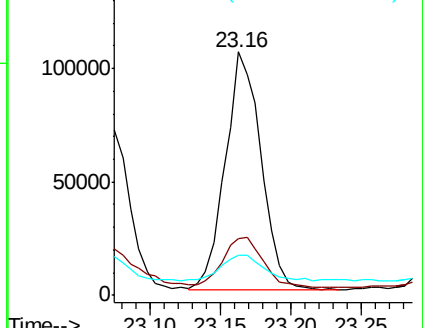
125 16.2 8.6 13.0#



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(g,h,i)perylene

Concen: 3.404 ng

RT: 26.13 min Scan# 3952

Delta R.T. -0.01 min

Lab File: BP002758.D

Acq: 15 Jul 2020 17:21

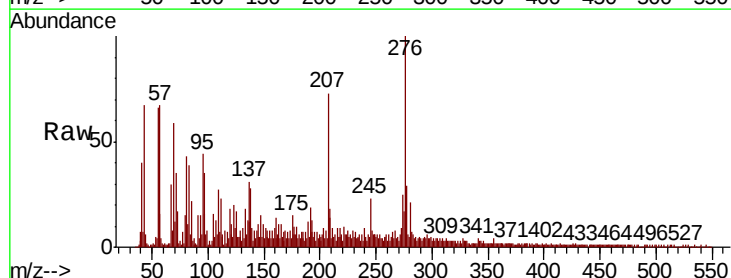
Tgt Ion:276 Resp: 124300

Ion Ratio Lower Upper

276 100

277 28.6 19.1 28.7

138 28.4 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

