

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\
 Data File : BP002532.D
 Acq On : 24 Jun 2020 20:25
 Operator : CG/JU
 Sample : L3096-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-011-B

Quant Time: Jun 25 01:14:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 24 13:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	247147	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	999928	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	591697	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1180031	20.00	ng	0.00
76) Chrysene-d12	21.09	240	737745	20.00	ng	0.00
86) Perylene-d12	23.29	264	729410	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1228024	91.94	ng	0.00
7) Phenol-d6	6.78	99	1654262	93.03	ng	0.00
23) Nitrobenzene-d5	8.73	82	1132529	67.64	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	578082	102.04	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2323844	66.04	ng	0.00
79) Terphenyl-d14	19.57	244	2600484	93.32	ng	0.00

Target Compounds

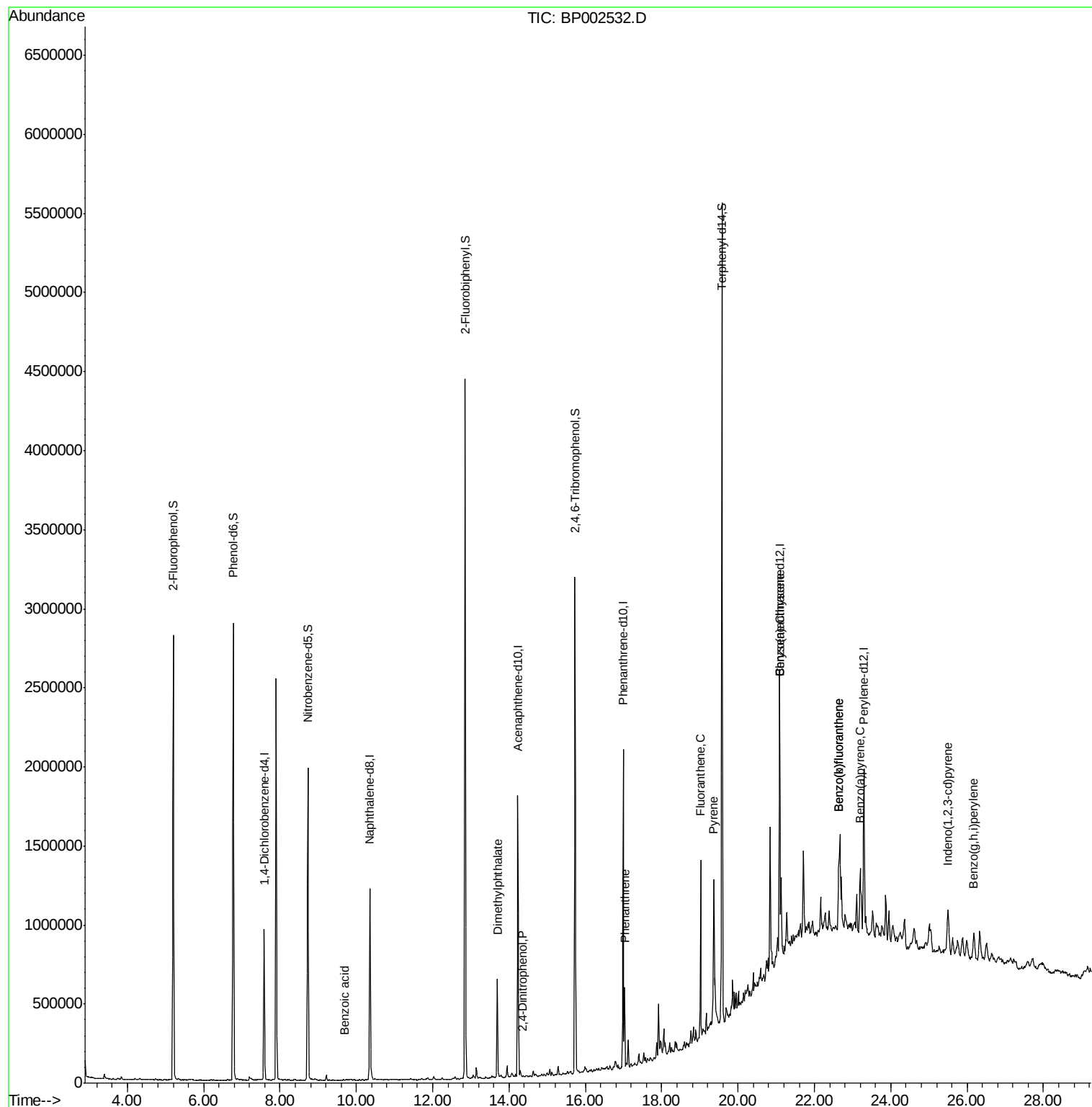
						Qvalue
9) Benzaldehyde	6.73	77	761	Below Cal	#	85
32) Benzoic acid	9.70	122	128	4.610 ng	#	58
50) Dimethylphthalate	13.69	163	404651	9.981 ng		99
54) 2,4-Dinitrophenol	14.36	184	35	2.792 ng	#	1
61) 4-Chlorophenyl-phenylether	15.28	204	98	Below Cal	#	1
71) Phenanthrene	17.03	178	284496	5.154 ng		99
75) Fluoranthene	19.02	202	642042	9.744 ng		98
78) Pyrene	19.36	202	589618	13.048 ng		98
81) Benzo(a)anthracene	21.08	228	273223	6.488 ng		95
83) Chrysene	21.08	228	273223	6.848 ng		97
87) Indeno(1,2,3-cd)pyrene	25.50	276	190626	4.178 ng		97
88) Benzo(b)fluoranthene	22.64	252	495254	12.591 ng	#	92
89) Benzo(k)fluoranthene	22.64	252	495254	13.251 ng	#	89
90) Benzo(a)pyrene	23.20	252	256599	6.961 ng	#	95
92) Benzo(a,h,i)perylene	26.18	276	199339	5.259 ng		94

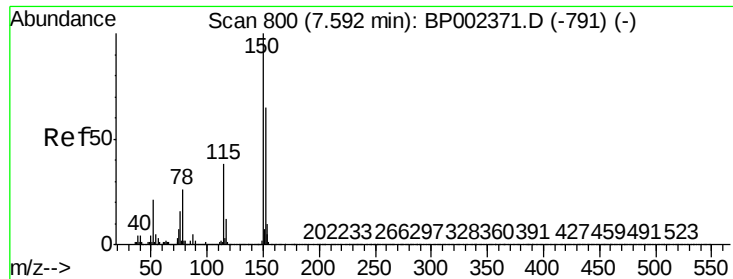
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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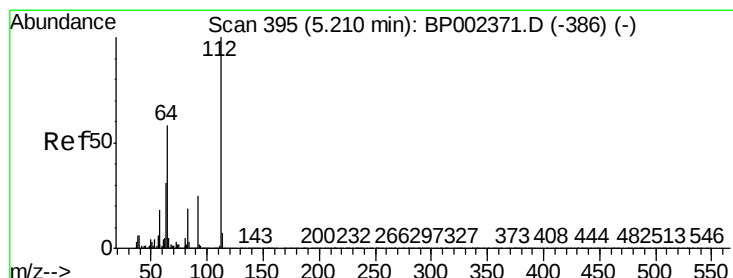
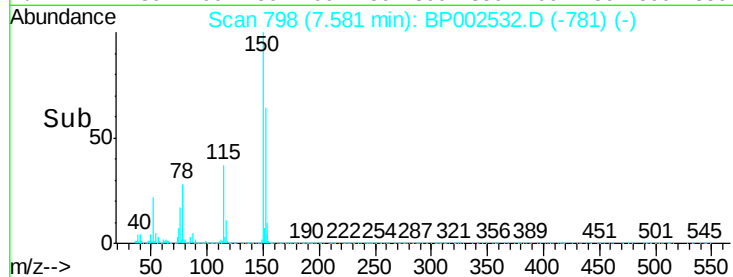
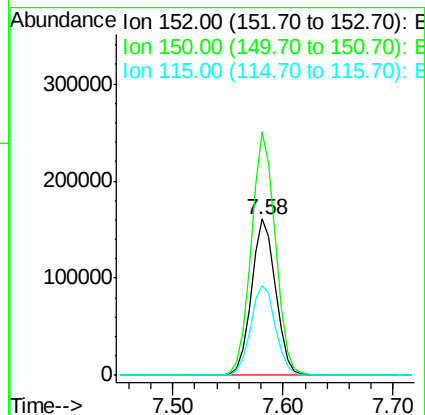
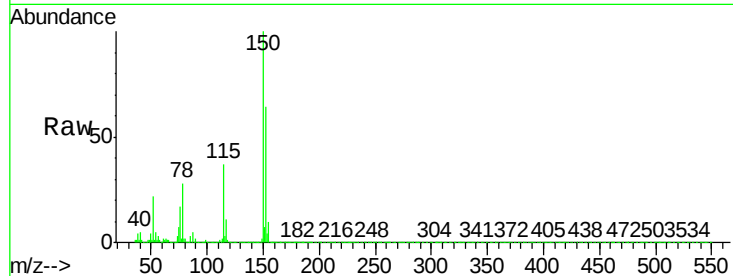


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-B

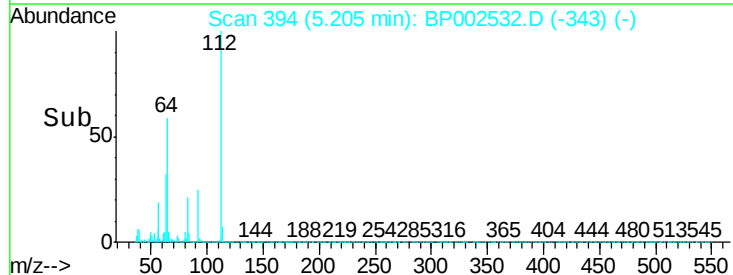
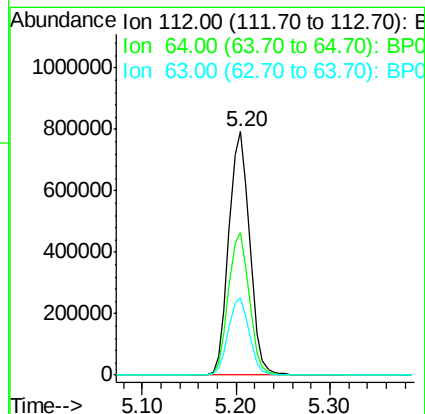
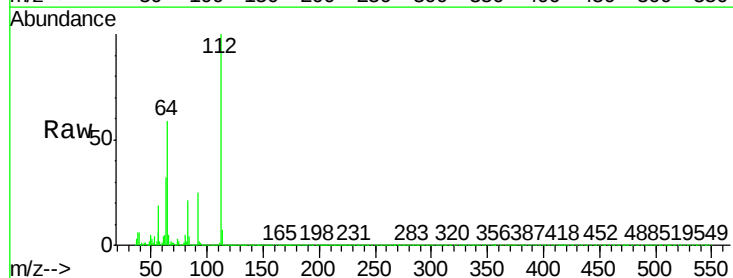
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.4	186.6
115	58.1	47.8	71.6

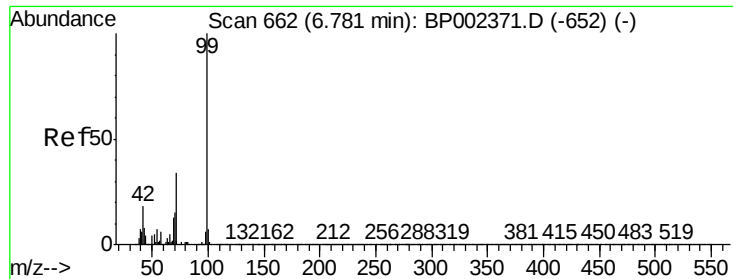


#5

2-Fluorophenol
Concen: 91.943 ng
RT: 5.20 min Scan# 394
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.4	69.6
63	31.7	25.0	37.6





#7

Phenol-d6

Concen: 93.028 ng

RT: 6.78 min Scan# 661

Delta R.T. 0.00 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-B

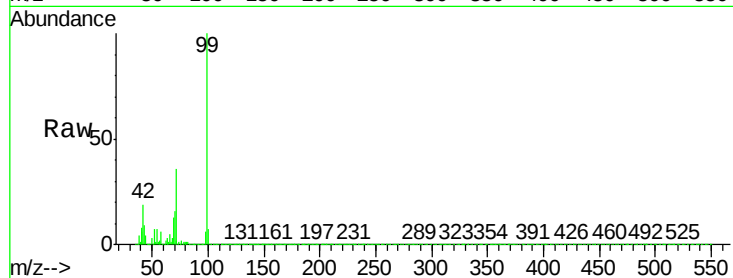
Tot Ion: 99 Resp: 1654262

Ion Ratio Lower Upper

99 100

42 18.9 15.3 22.9

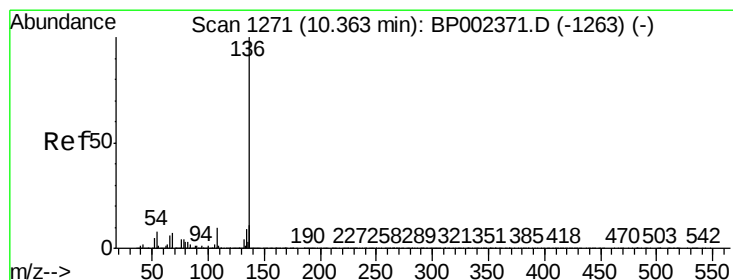
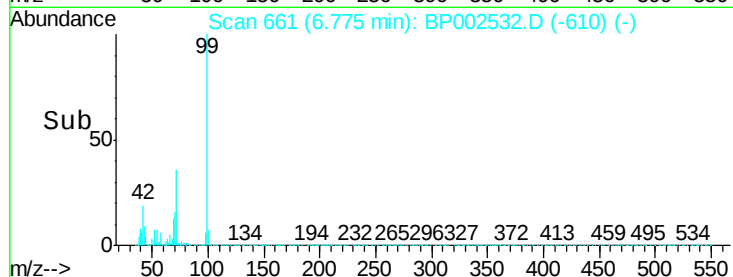
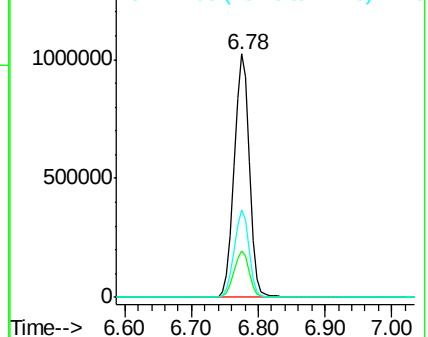
71 36.0 28.2 42.2



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: 10.35 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Tgt Ion: 136 Resp: 999928

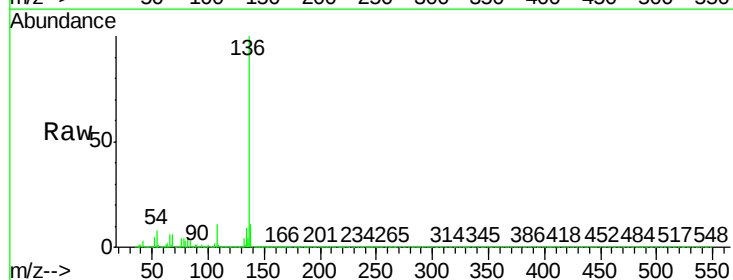
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.3 6.6 10.0

68 6.4 5.4 8.0

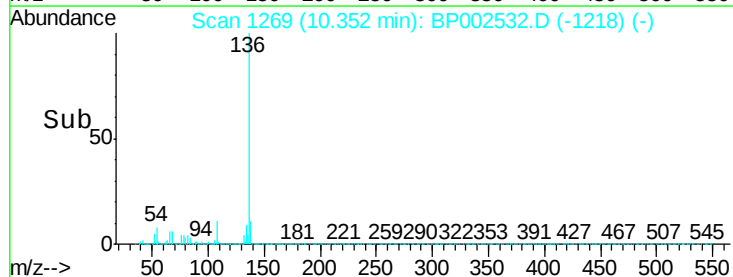
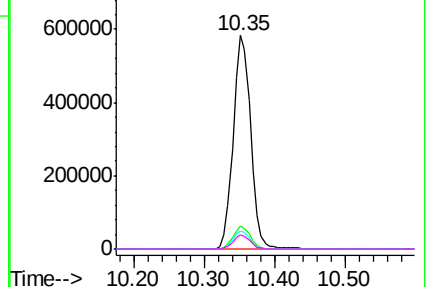


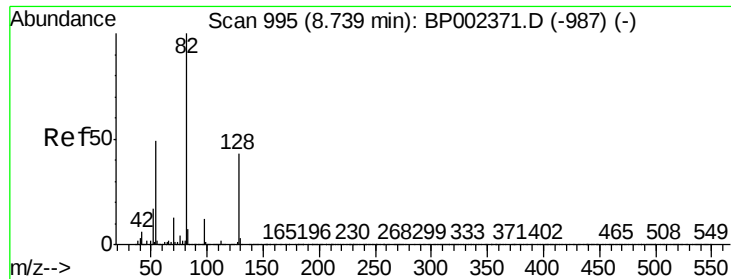
Abundance Ion 136.00 (135.70 to 136.70): E

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

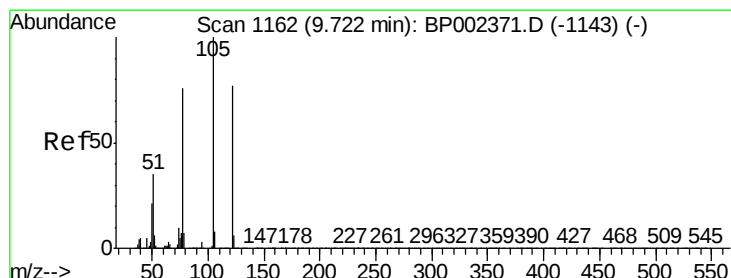
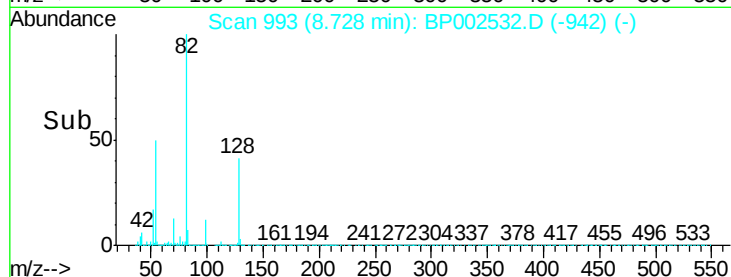
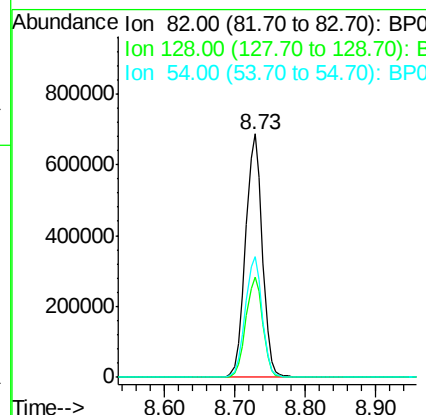
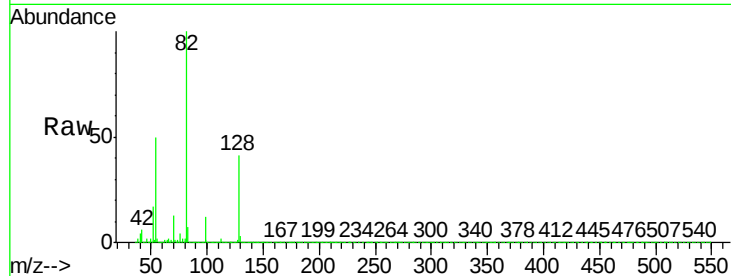




#23
 Nitrobenzene-d5
 Concen: 67.638 ng
 RT: 8.73 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: BP002532.D
 Acq: 24 Jun 2020 20:25

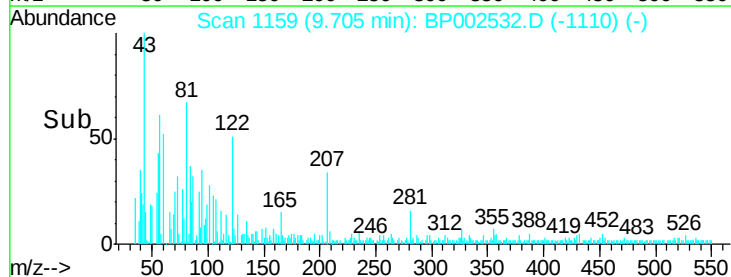
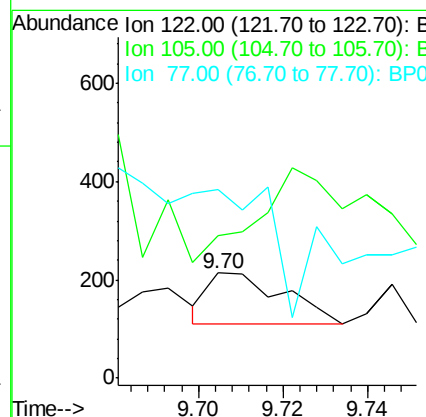
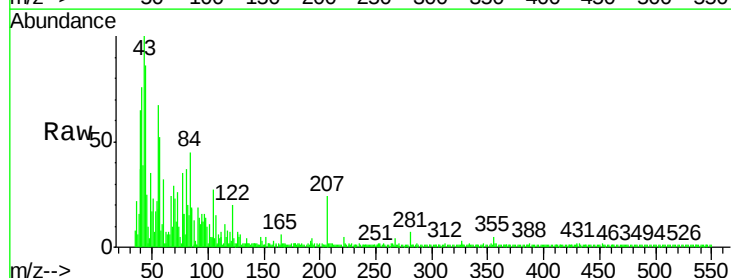
Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-03-011-B

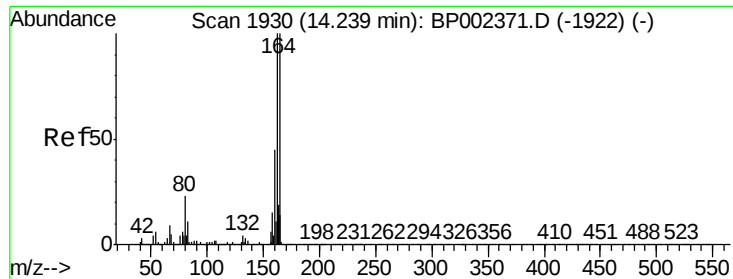
Tot Ion: 82 Resp: 1132529
 Ion Ratio Lower Upper
 82 100
 128 41.2 32.8 49.2
 54 49.7 39.9 59.9



#32
 Benzoic acid
 Concen: 4.610 ng
 RT: 9.70 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BP002532.D
 Acq: 24 Jun 2020 20:25

Tgt Ion: 122 Resp: 128
 Ion Ratio Lower Upper
 122 100
 105 136.0 105.0 145.0
 77 179.9 76.9 116.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-B

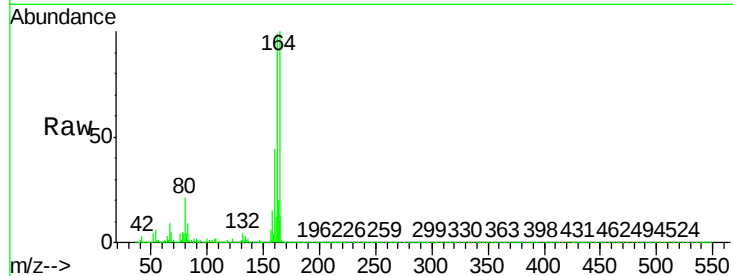
Tot Ion:164 Resp: 591697

Ion Ratio Lower Upper

164 100

162 98.7 80.6 121.0

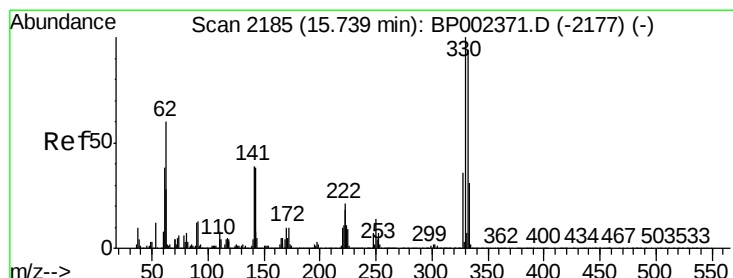
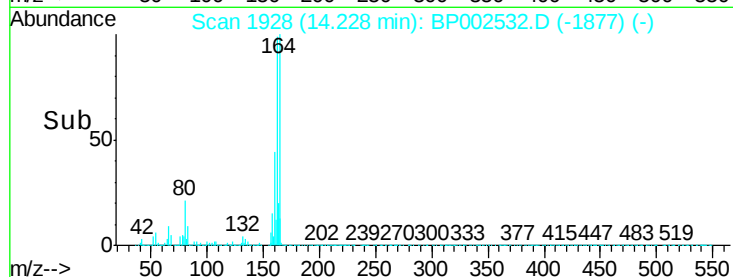
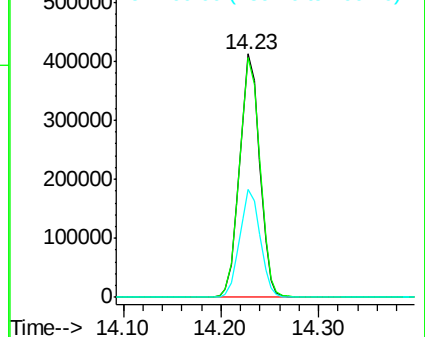
160 44.2 35.4 53.2



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



#42

2,4,6-Tribromophenol

Concen: 102.043 ng

RT: 15.73 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

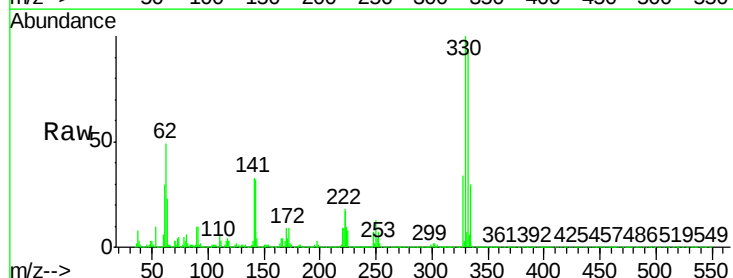
Tgt Ion:330 Resp: 578082

Ion Ratio Lower Upper

330 100

332 95.2 77.2 115.8

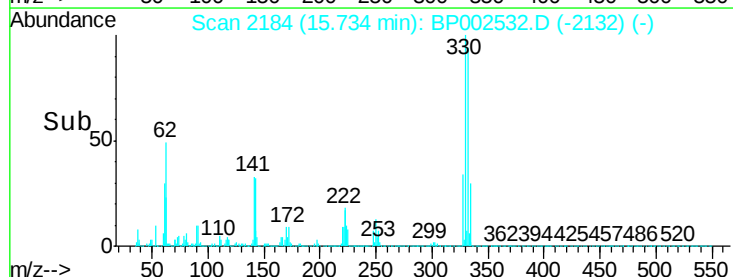
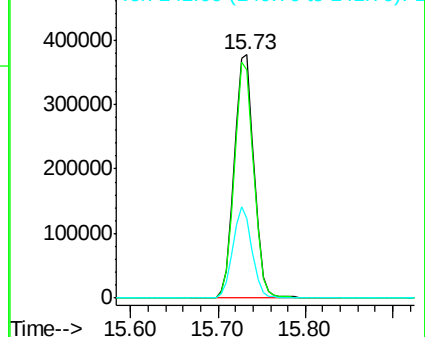
141 36.1 30.4 45.6

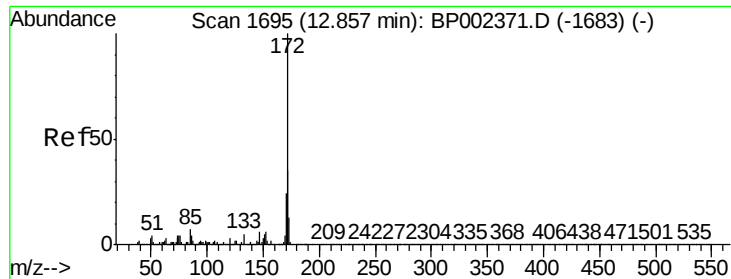


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

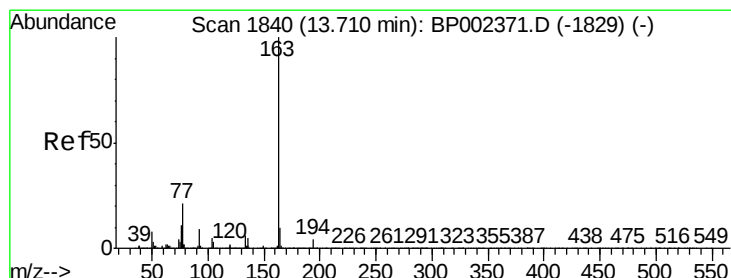
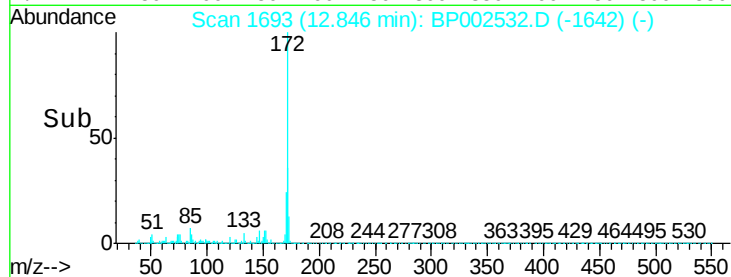
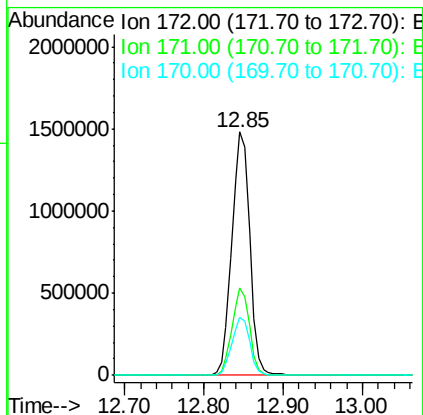
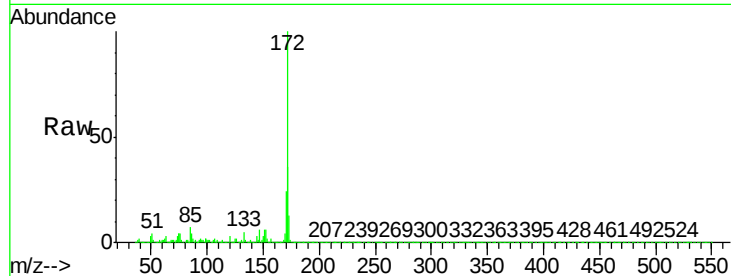




#45
2-Fluorobiphenyl
Concen: 66.036 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

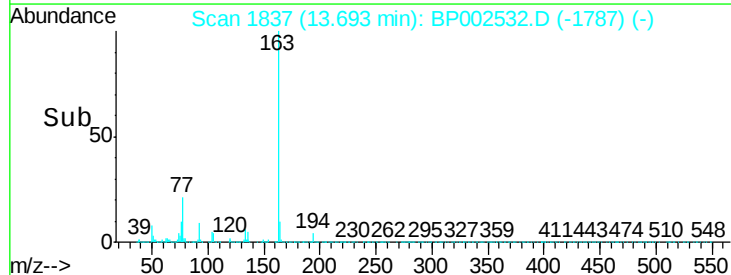
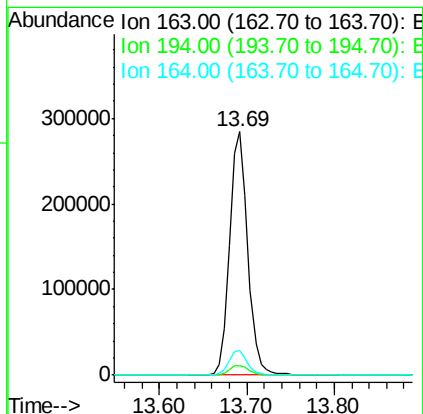
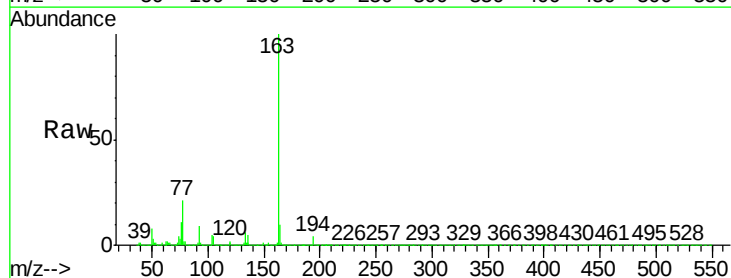
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-B

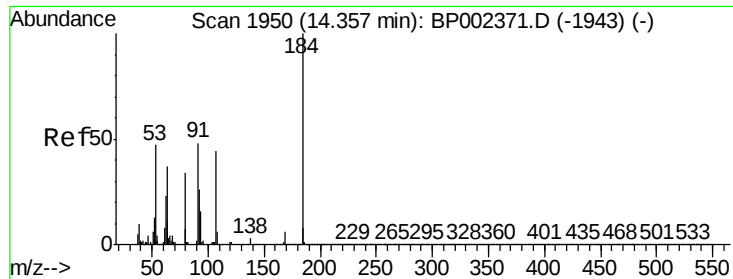
Tot Ion:172 Resp: 2323844
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 24.0 19.0 28.6



#50
Dimethylphthalate
Concen: 9.981 ng
RT: 13.69 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Tgt Ion:163 Resp: 404651
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.0 8.2 12.2

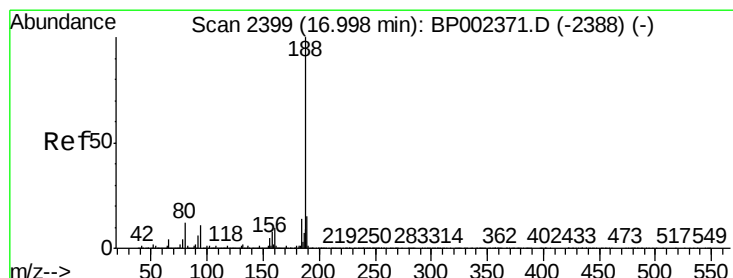
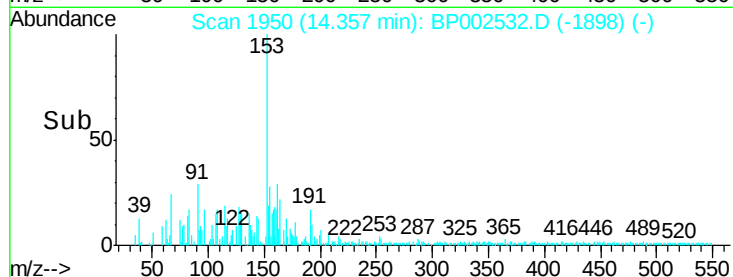
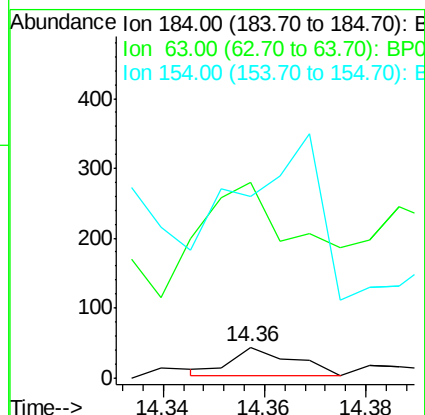
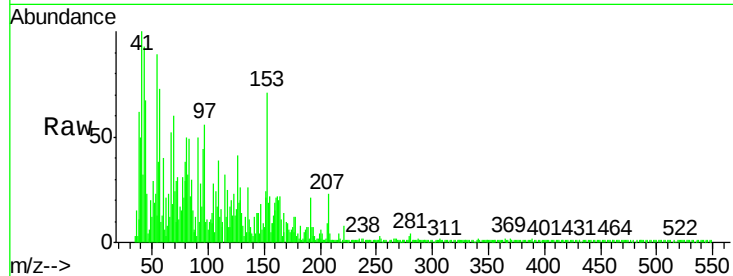




#54
2,4-Dinitrophenol
Concen: 2.792 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

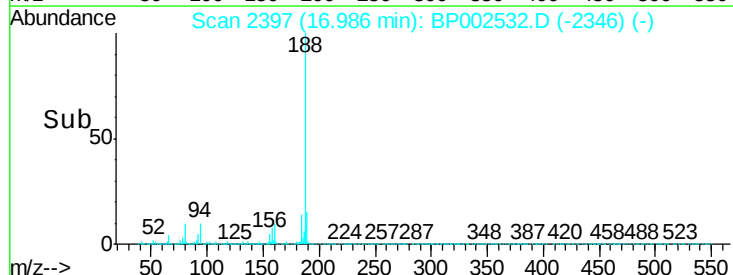
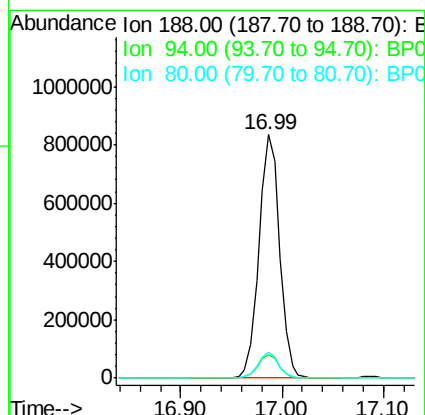
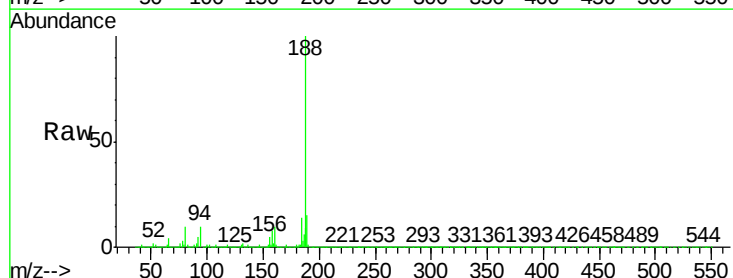
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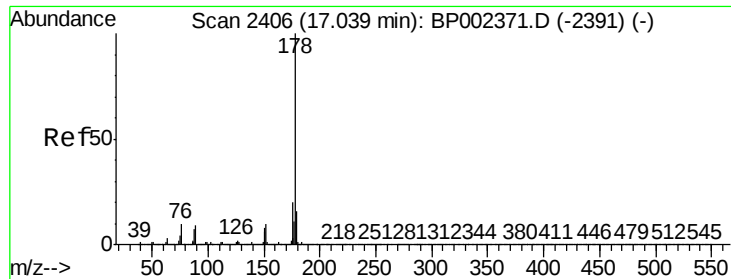
Tot Ion:184 Resp: 35
Ion Ratio Lower Upper
184 100
63 636.4 51.3 76.9#
154 588.6 50.2 75.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Tgt Ion:188 Resp: 1180031
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 10.4 8.3 12.5

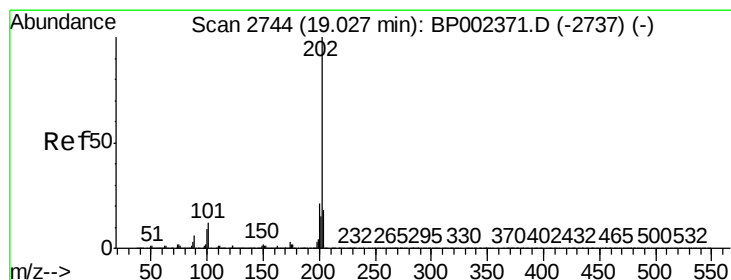
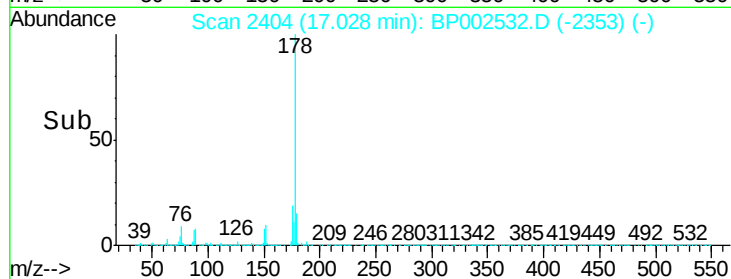
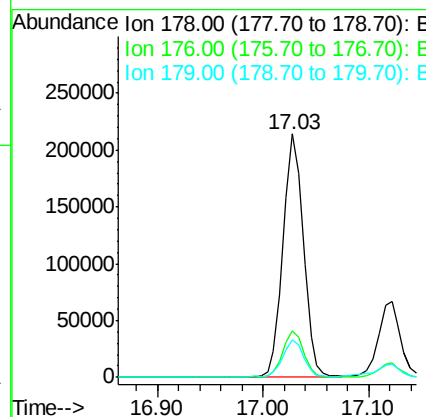
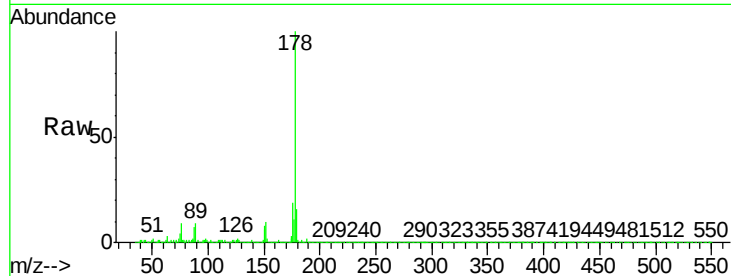




#71
Phenanthrene
Concen: 5.154 ng
RT: 17.03 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

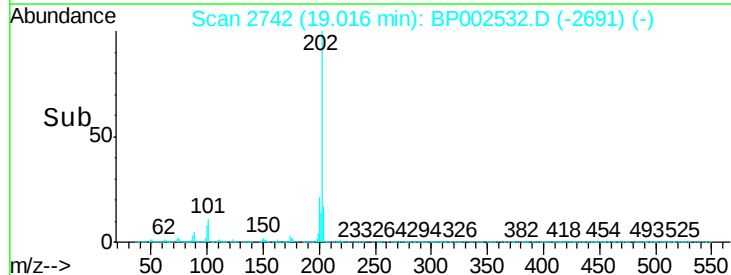
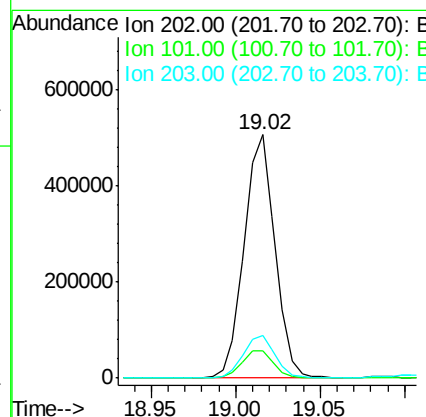
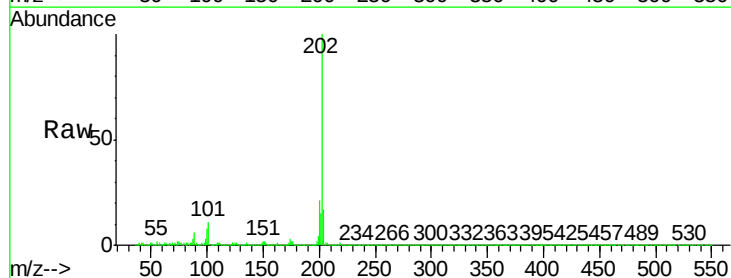
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-B

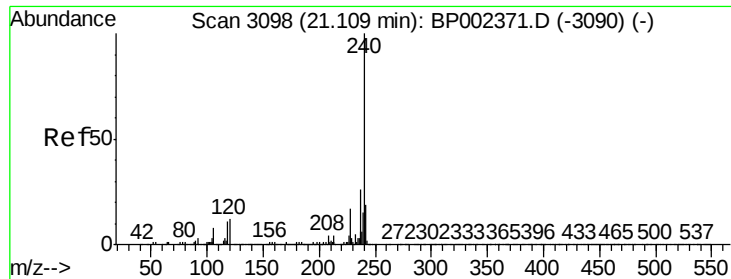
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.6	12.8	19.2



#75
Fluoranthene
Concen: 9.744 ng
RT: 19.02 min Scan# 2742
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.3
203	17.3	0.0	36.9

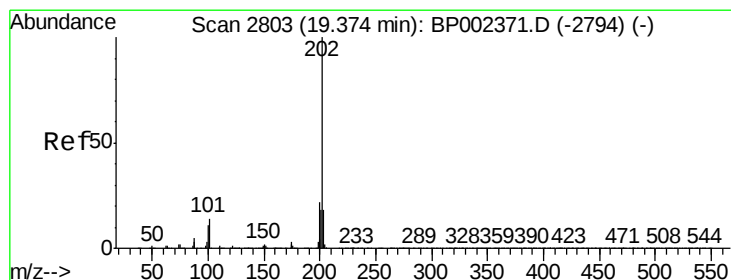
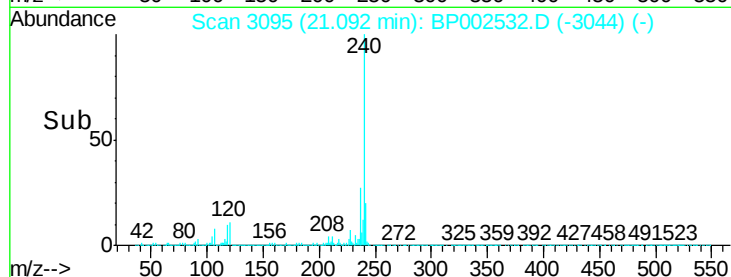
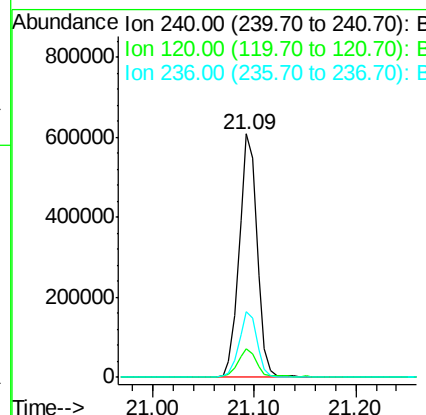
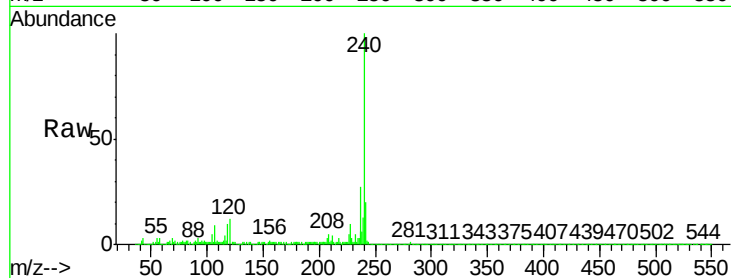




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

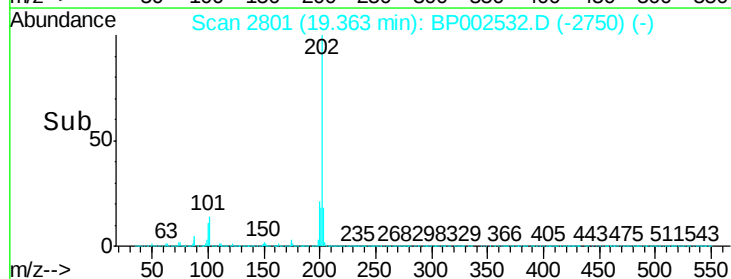
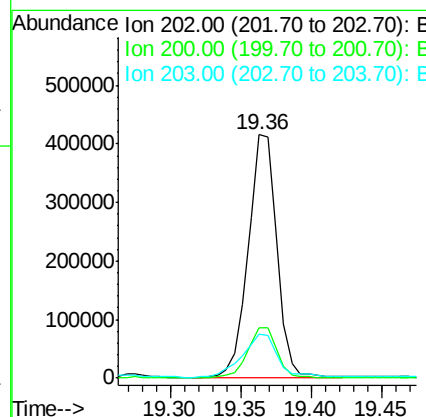
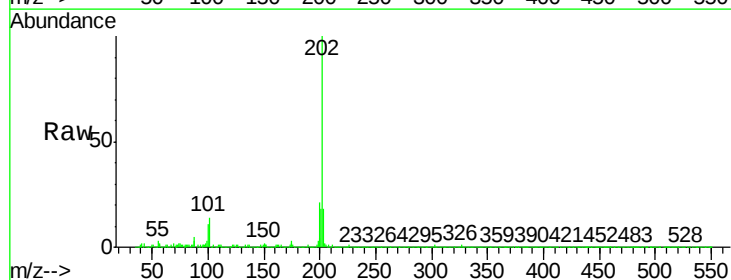
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-B

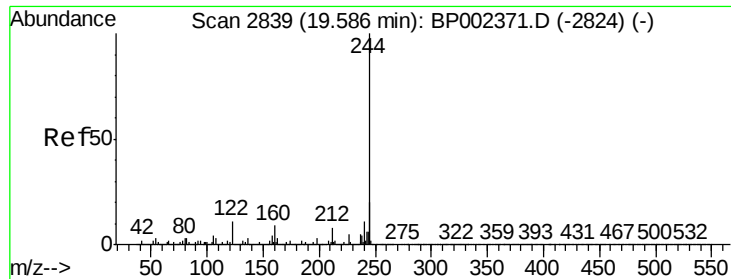
Tot Ion:240 Resp: 737745
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 27.2 21.7 32.5



#78
Pyrene
Concen: 13.048 ng
RT: 19.36 min Scan# 2801
Delta R.T. 0.00 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Tgt Ion:202 Resp: 589618
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 93.320 ng

RT: 19.57 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-B

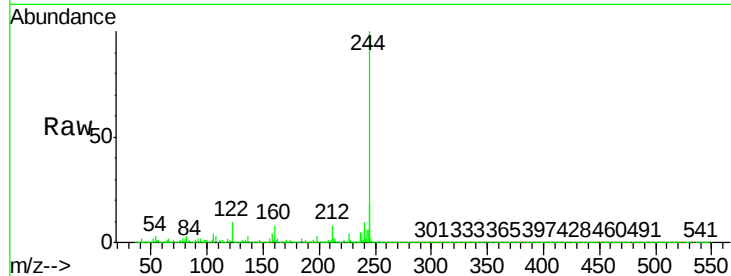
Tot Ion:244 Resp: 2600484

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

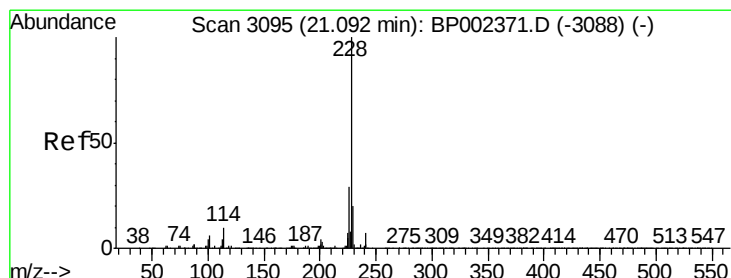
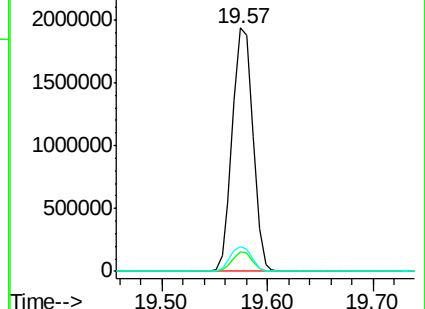
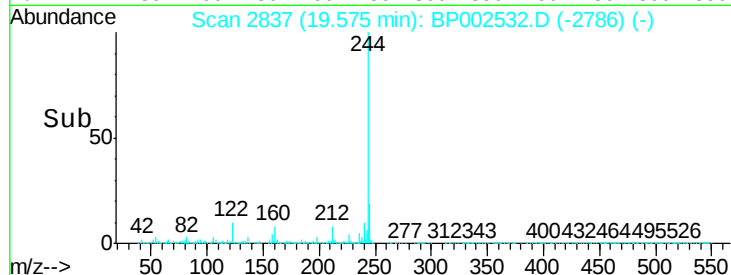
122 10.4 8.0 12.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.488 ng

RT: 21.08 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

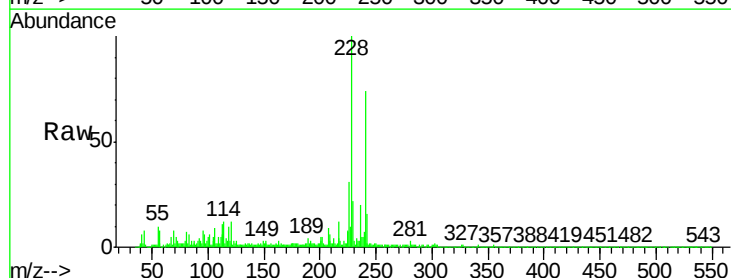
Tgt Ion:228 Resp: 273223

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

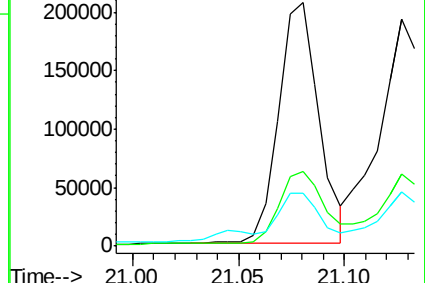
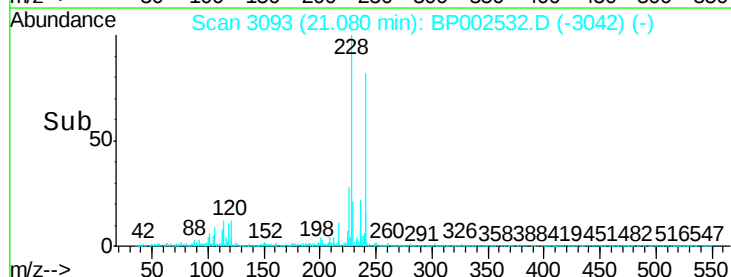
229 22.0 15.9 23.9

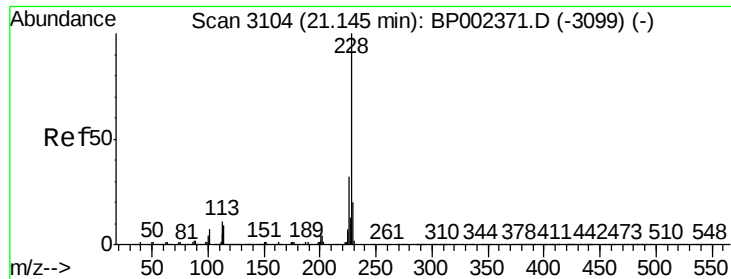


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.848 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.05 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Instrument :

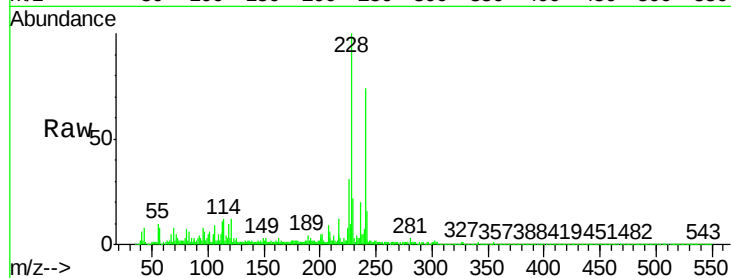
BNA_P

ClientSampleId :

FK-GF-03-011-B

Tot Ion:228 Resp: 273223

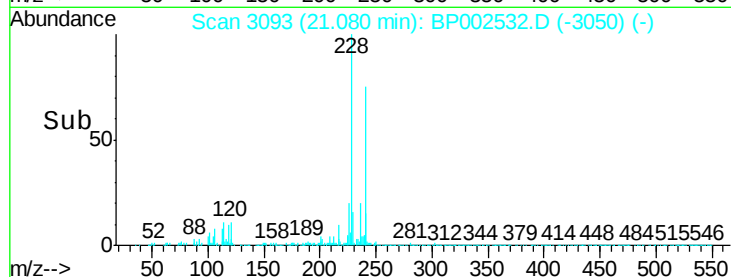
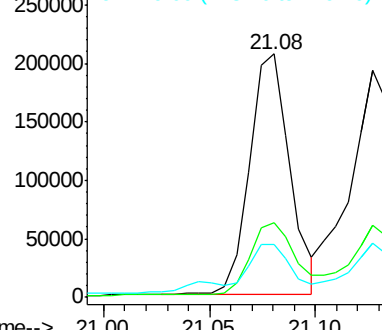
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.0	15.7	23.5



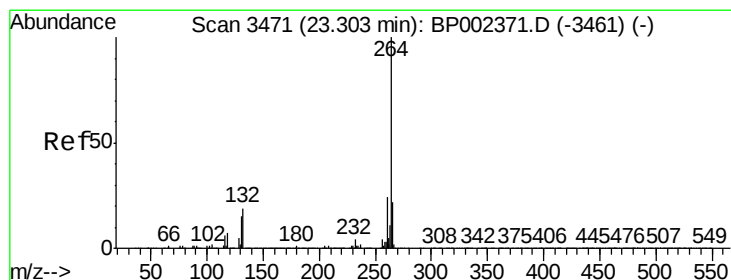
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3469

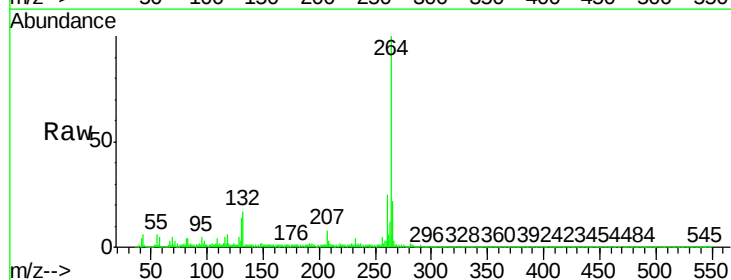
Delta R.T. 0.01 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Tgt Ion:264 Resp: 729410

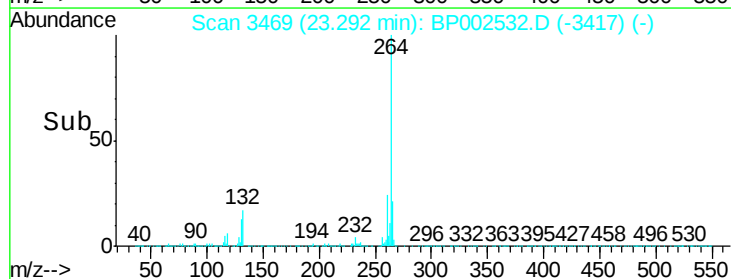
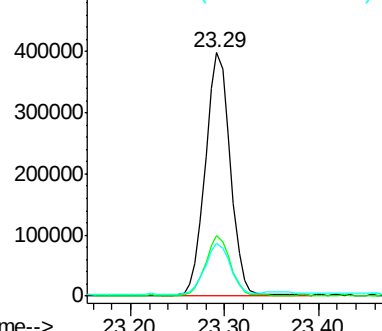
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	21.8	17.6	26.4



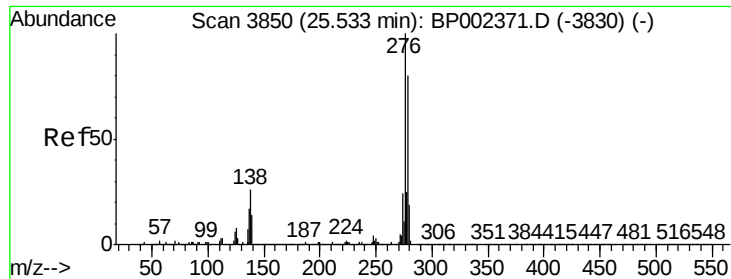
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.178 ng

RT: 25.50 min Scan# 3845

Delta R.T. 0.00 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-B

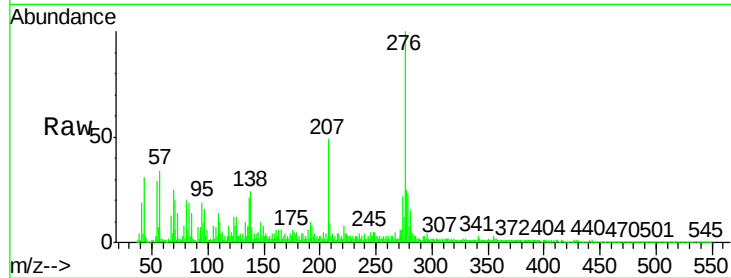
Tot Ion:276 Resp: 190626

Ion Ratio Lower Upper

276 100

138 22.2 19.4 29.0

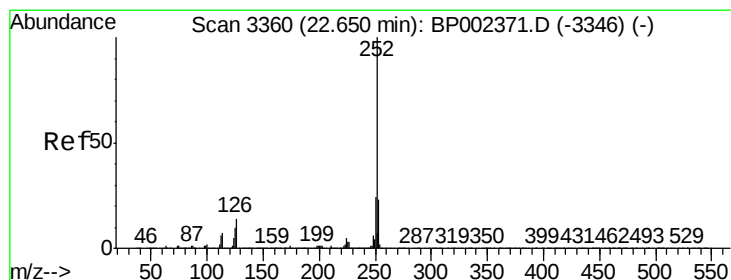
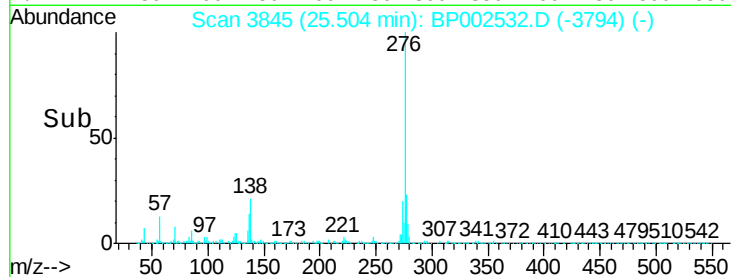
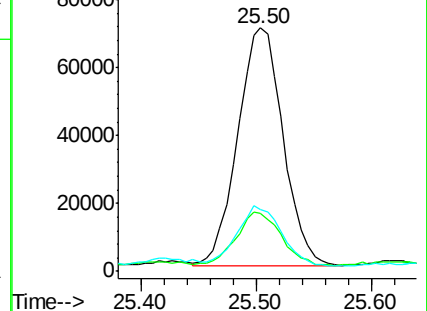
277 25.0 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 12.591 ng

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

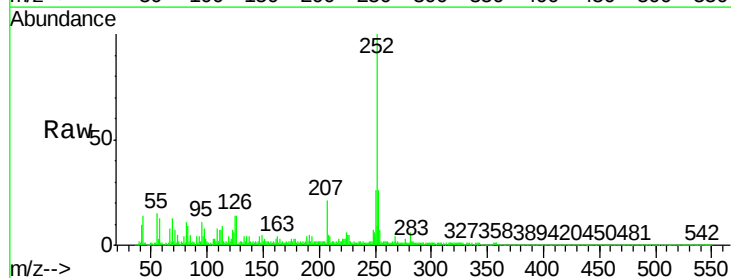
Tgt Ion:252 Resp: 495254

Ion Ratio Lower Upper

252 100

253 25.8 18.1 27.1

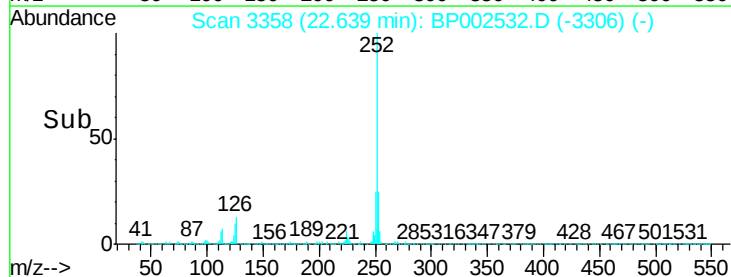
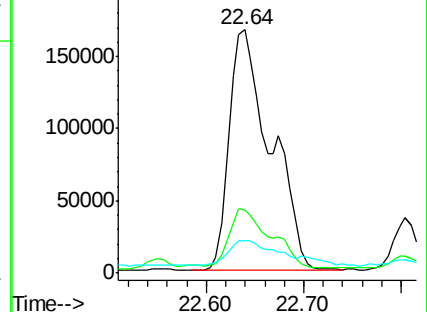
125 13.5 7.5 11.3#

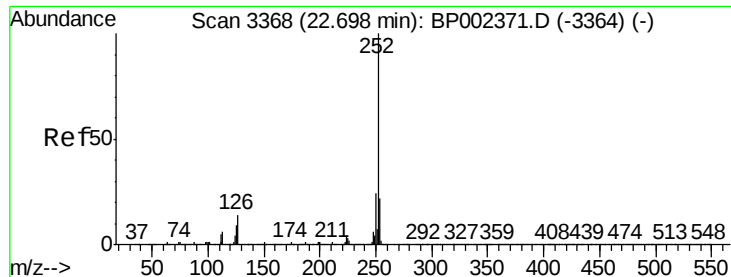


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

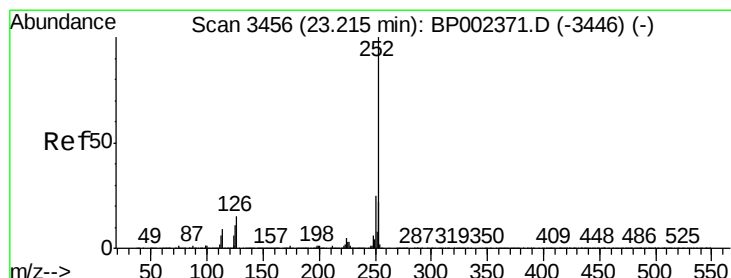
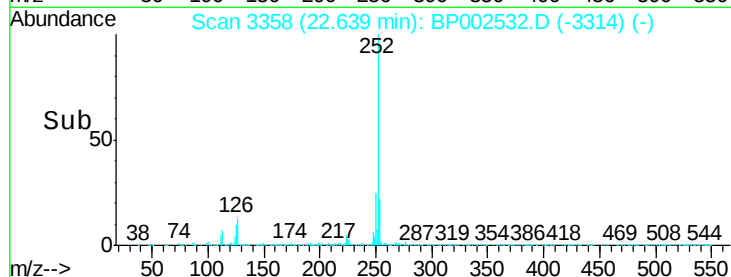
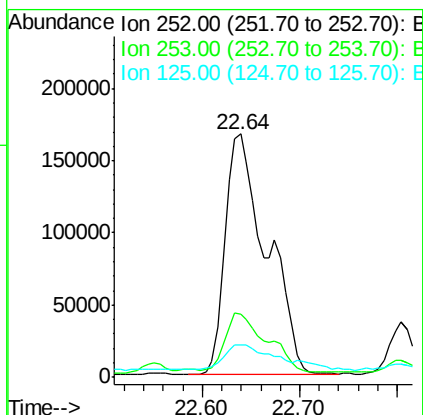
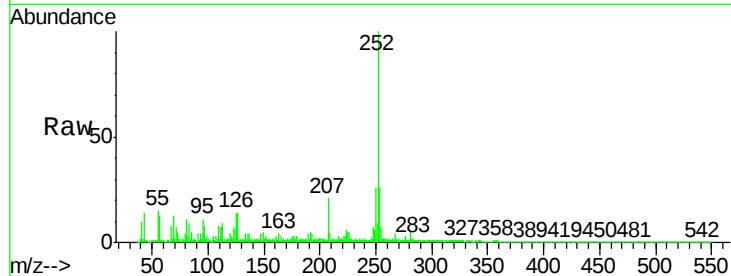




#89
Benzo(k)fluoranthene
Concen: 13.251 ng
RT: 22.64 min Scan# 3358
Delta R.T. -0.04 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

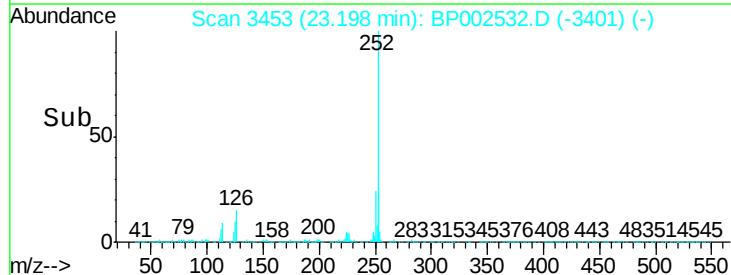
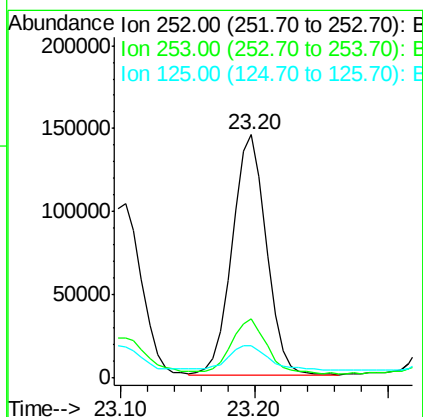
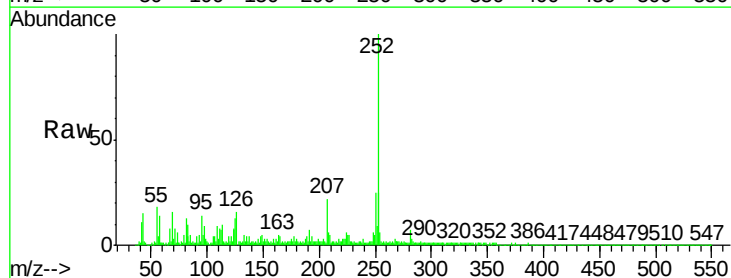
Instrument :
BNA_P
ClientSampleId :
FK-GF-03-011-B

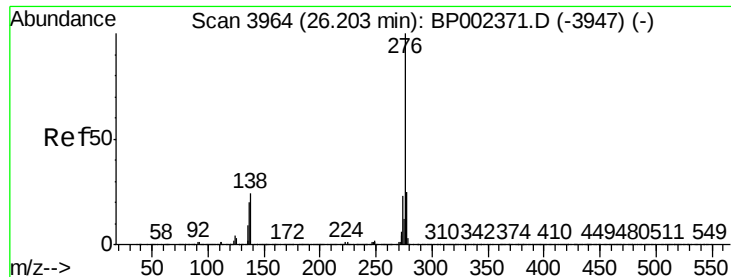
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	13.5	7.0	10.4#



#90
Benzo(a)pyrene
Concen: 6.961 ng
RT: 23.20 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BP002532.D
Acq: 24 Jun 2020 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.4
125	13.5	8.7	13.1#





#92

Benzo(a,h,i)perylene

Concen: 5.259 ng

RT: 26.18 min Scan# 3960

Delta R.T. 0.01 min

Lab File: BP002532.D

Acq: 24 Jun 2020 20:25

Instrument :

BNA_P

ClientSampleId :

FK-GF-03-011-B

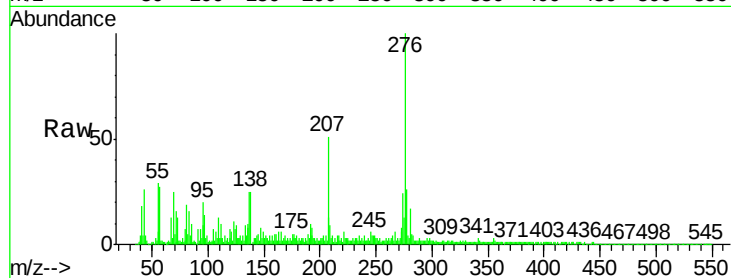
Tot Ion:276 Resp: 199339

Ion Ratio Lower Upper

276 100

277 26.4 18.7 28.1

138 24.6 17.6 26.4



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

