

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
 Data File : BF114909.D
 Acq On : 8 Jun 2019 00:06
 Operator : HP/JU
 Sample : K3247-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-B

Quant Time: Jun 08 06:46:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	350710	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	1303874	20.00	ng	-0.01
39) Acenaphthene-d10	9.69	164	623933	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	1090201	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	680504	20.00	ng	-0.02
87) Perylene-d12	15.16	264	714075	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	2014242	100.36	ng	0.01
7) Phenol-d6	6.31	99	2432134	99.59	ng	0.00
23) Nitrobenzene-d5	7.22	82	1504079	71.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	624286	92.85	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	2472889	74.25	ng	-0.01
79) Terphenyl-d14	12.74	244	2054367	58.71	ng	-0.01

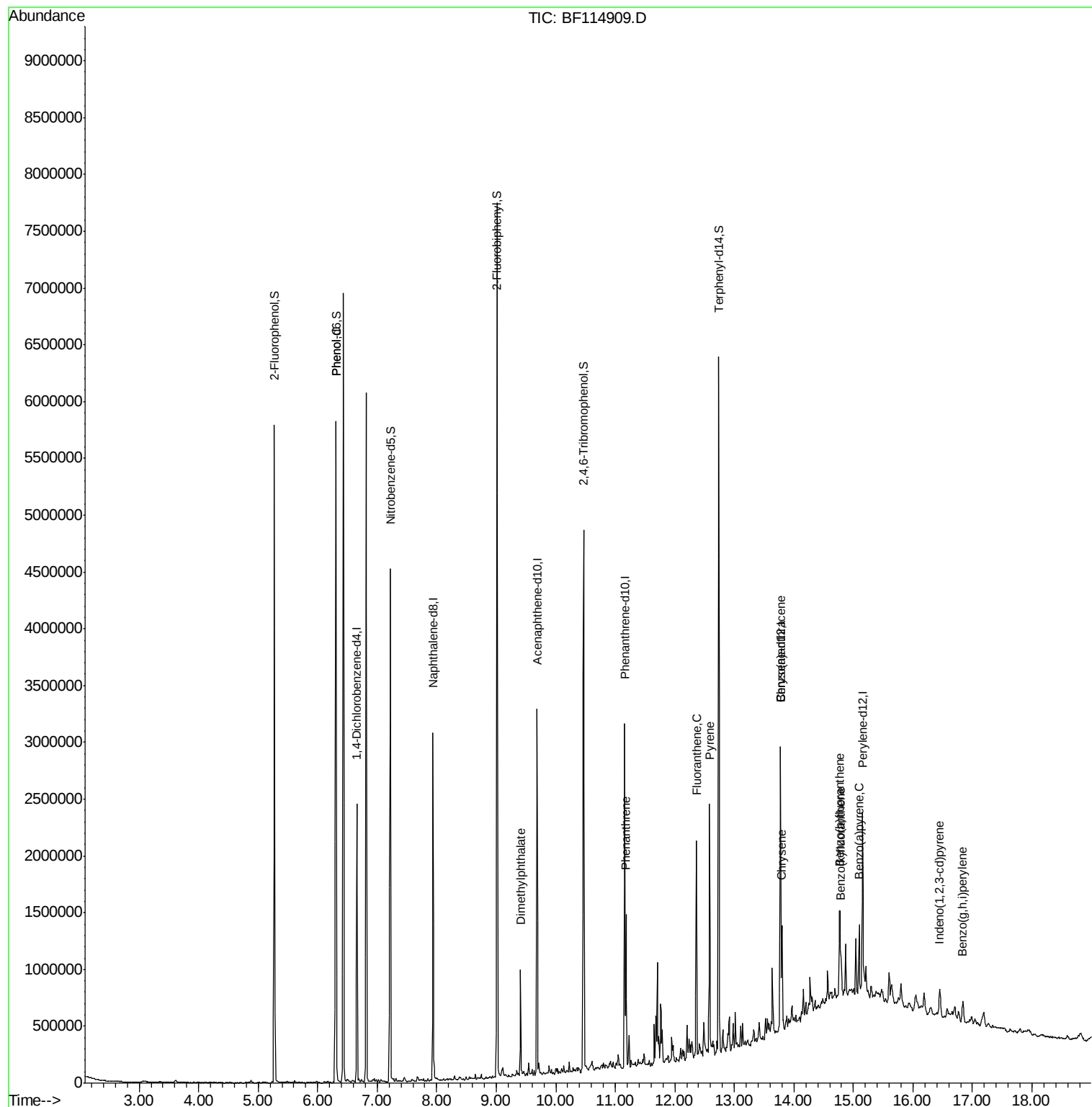
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	70254	2.515	ng	79
50) Dimethylphthalate	9.41	163	379883	8.336	ng	97
71) Phenanthrene	11.18	178	449949	8.645	ng	96
75) Fluoranthene	12.36	202	780860	14.415	ng	94
78) Pyrene	12.59	202	822789	13.937	ng	95
81) Benzo(a)anthracene	13.77	228	390513	7.447	ng	99
83) Chrysene	13.80	228	378519	7.420	ng	96
86) Indeno(1,2,3-cd)pyrene	16.45	276	151121	2.596	ng	98
88) Benzo(b)fluoranthene	14.77	252	423472m	9.315	ng	
89) Benzo(k)fluoranthene	14.79	252	138669m	3.592	ng	
90) Benzo(a)pyrene	15.10	252	299196	7.604	ng	99
92) Benzo(a,h,i)perylene	16.84	276	141012	3.763	ng	97

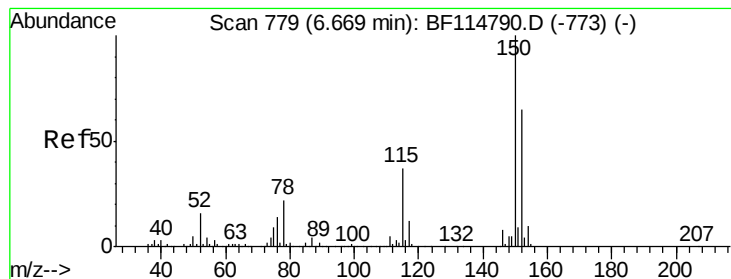
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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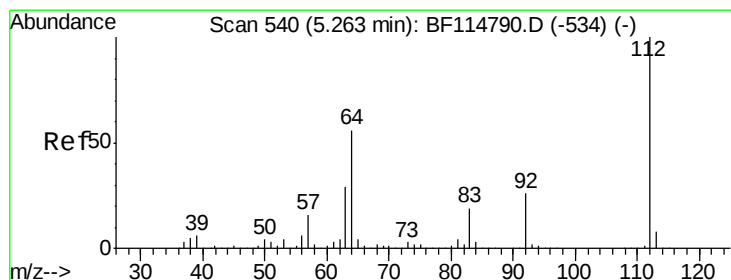
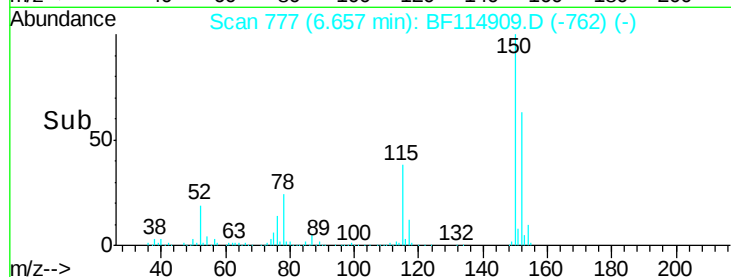
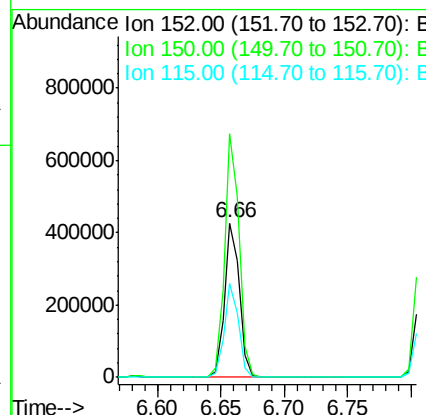
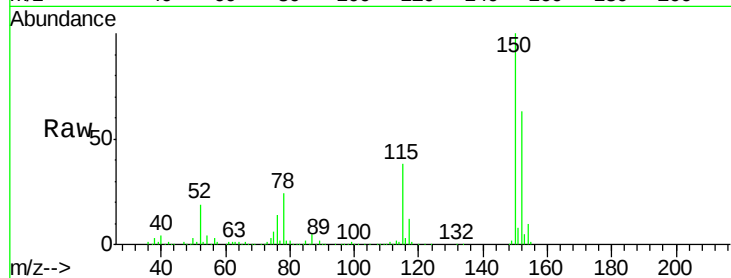


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

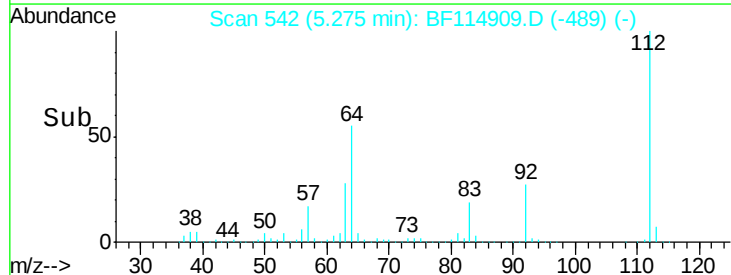
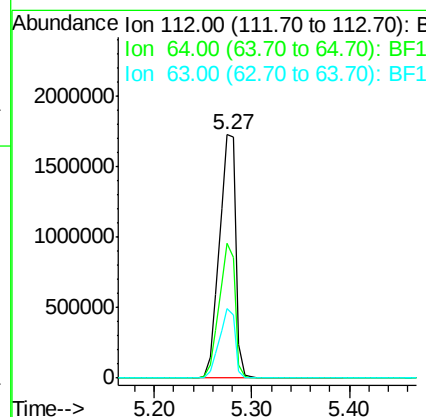
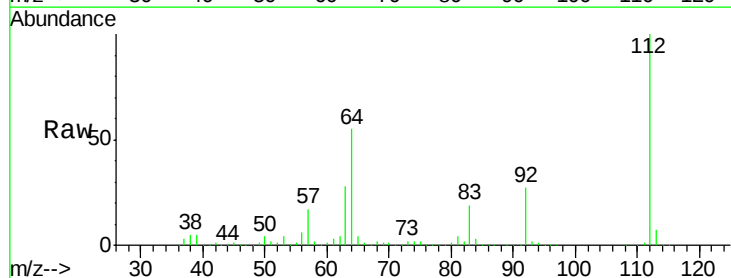
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.0	186.0
115	60.5	46.3	69.5

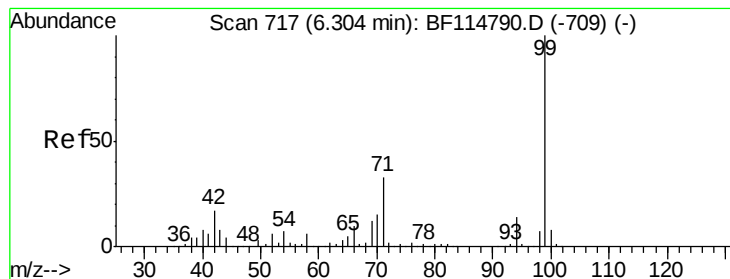


#5

2-Fluorophenol
Concen: 100.356 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.6	66.8
63	28.5	23.0	34.4





#7

Phenol-d6

Concen: 99.586 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

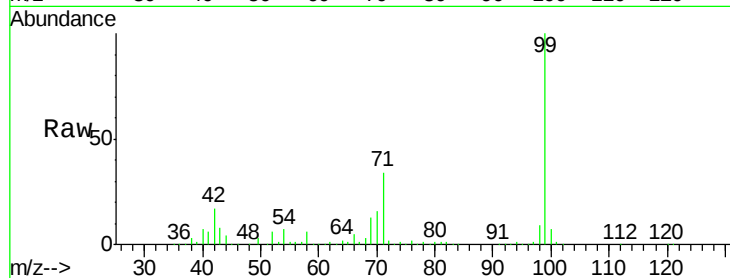
Tot Ion: 99 Resp: 2432134

Ion Ratio Lower Upper

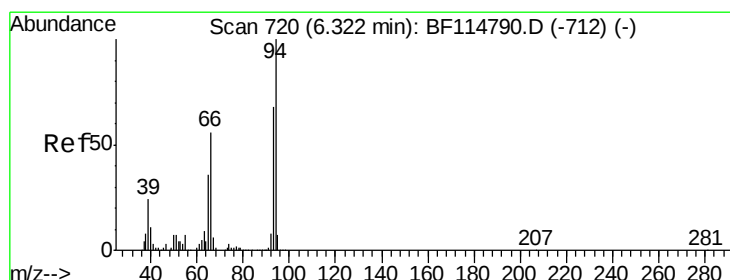
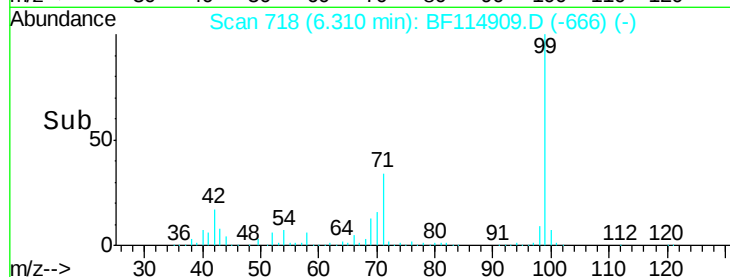
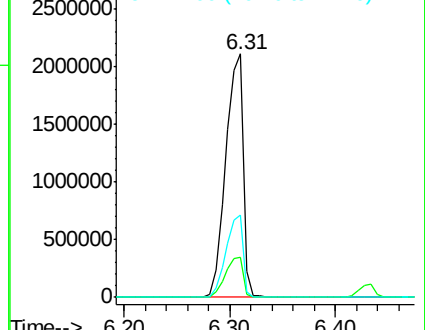
99 100

42 16.5 13.3 19.9

71 33.8 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.515 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

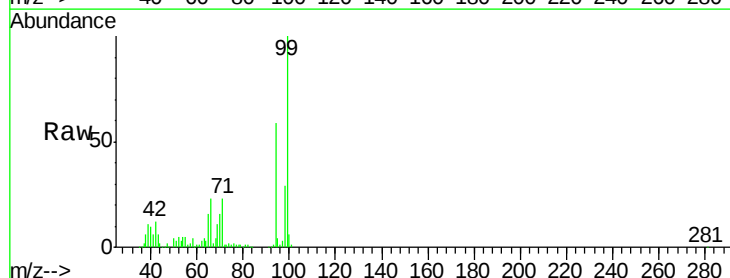
Tgt Ion: 94 Resp: 70254

Ion Ratio Lower Upper

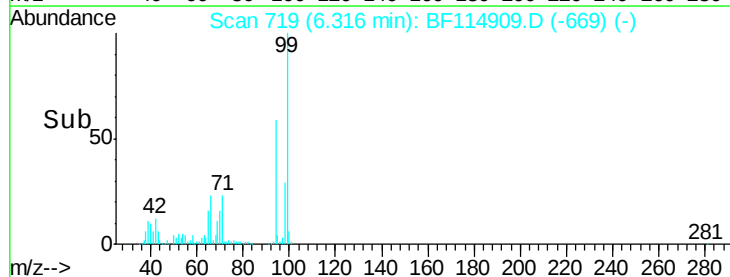
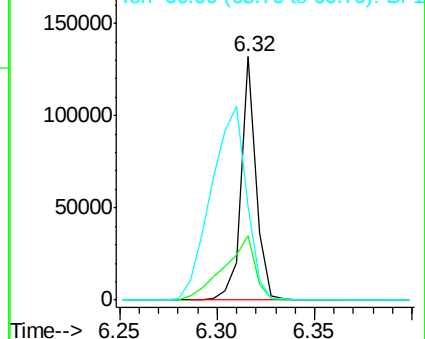
94 100

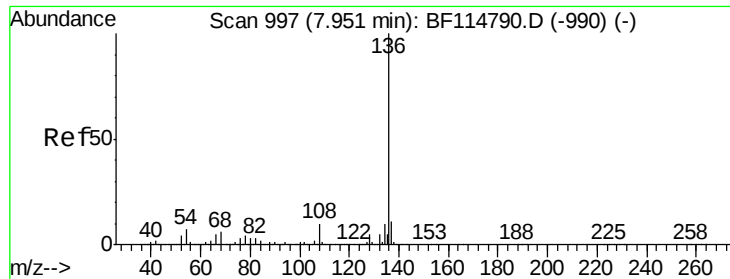
65 26.5 16.1 56.1

66 38.6 36.3 76.3



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

Tot Ion:136 Resp: 1303874

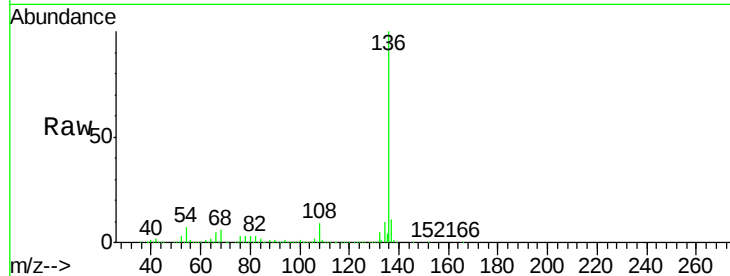
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.7 5.4 8.0

68 5.8 4.6 6.8

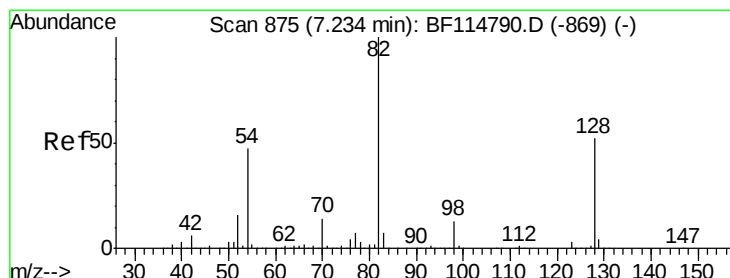
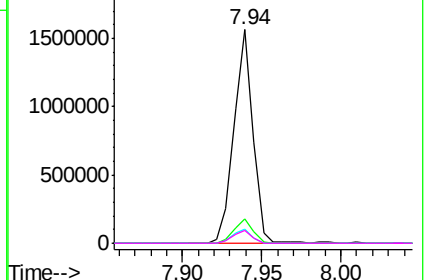
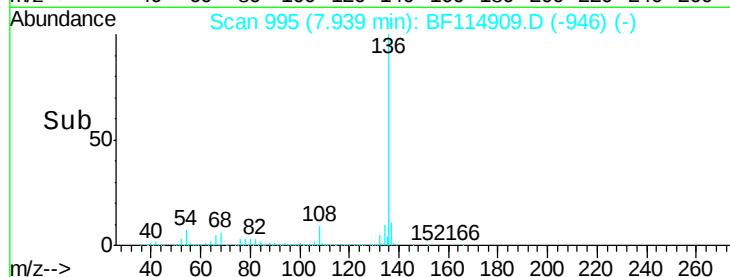


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 71.011 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

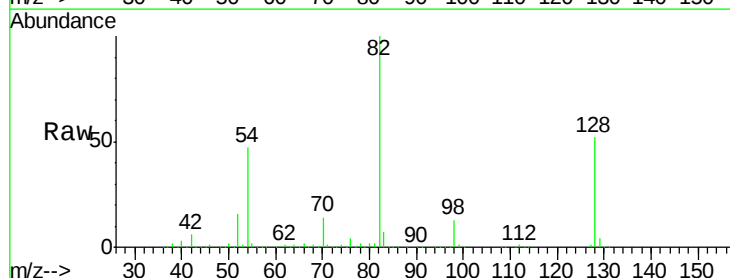
Tgt Ion: 82 Resp: 1504079

Ion Ratio Lower Upper

82 100

128 51.8 41.8 62.6

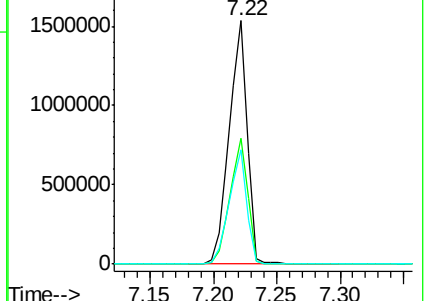
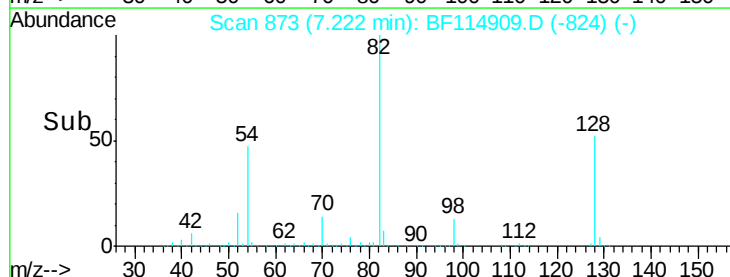
54 47.2 37.9 56.9

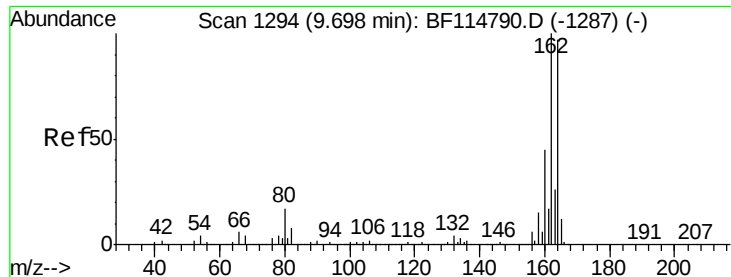


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

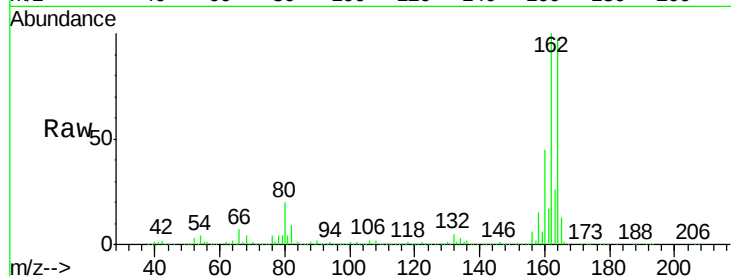




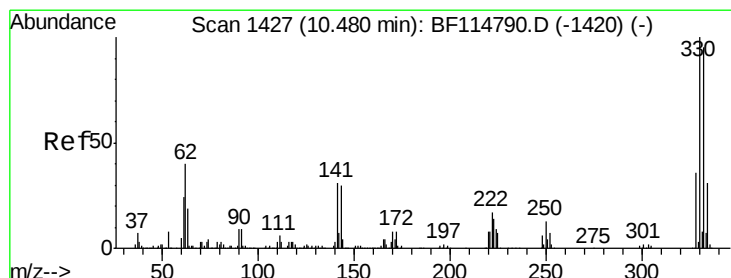
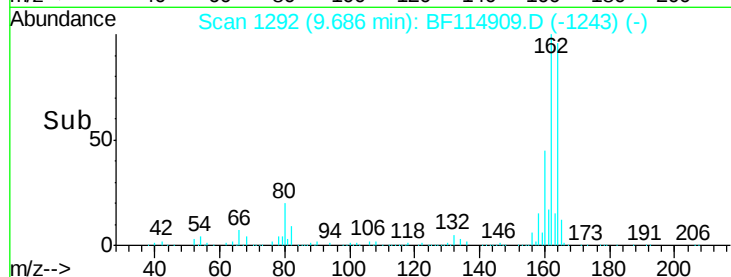
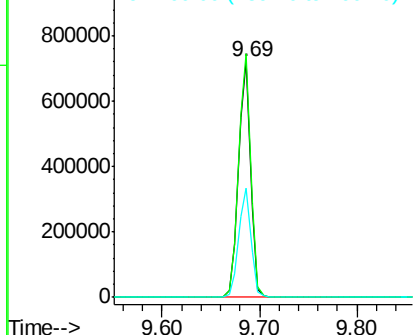
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

Tot Ion:164 Resp: 623933
Ion Ratio Lower Upper
164 100
162 103.3 82.3 123.5
160 46.1 36.7 55.1

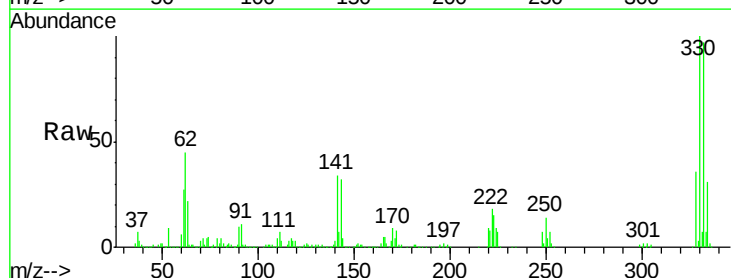


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

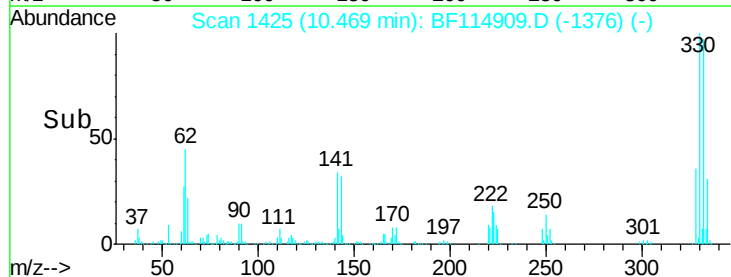
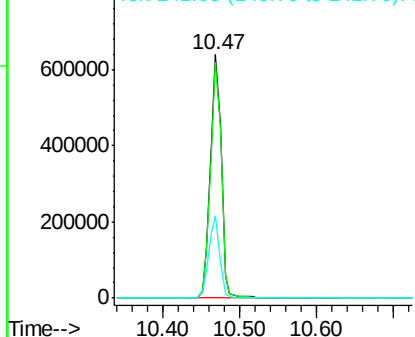


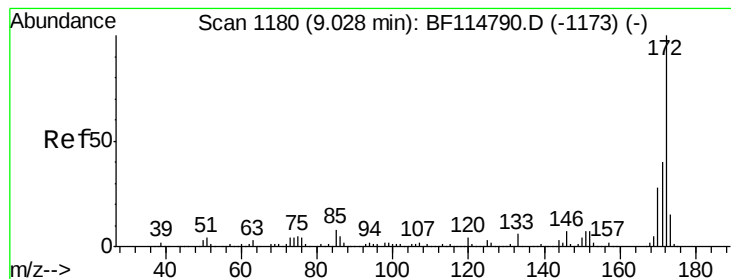
#42
2,4,6-Tribromophenol
Concen: 92.846 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Tgt Ion:330 Resp: 624286
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 33.6 26.2 39.4



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: 74.245 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Instrument :

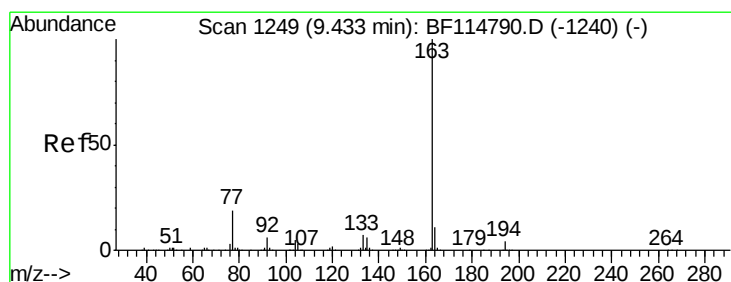
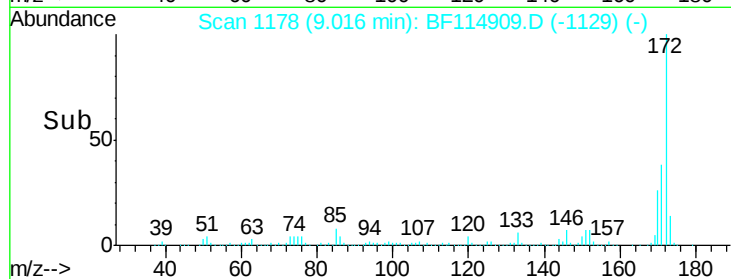
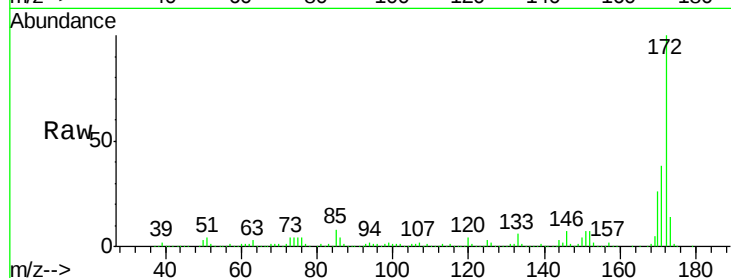
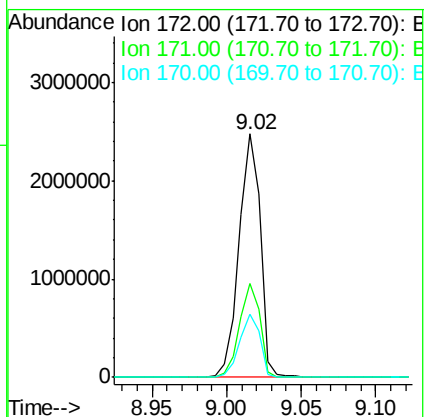
BNA_F

ClientSampleId :

FK-GF-02-041-B

Tot Ion:172 Resp: 2472889

Ion	Ratio	Lower	Upper
172	100		
171	38.4	32.3	48.5
170	26.0	22.4	33.6



#50

Dimethylphthalate

Concen: 8.336 ng

RT: 9.41 min Scan# 1245

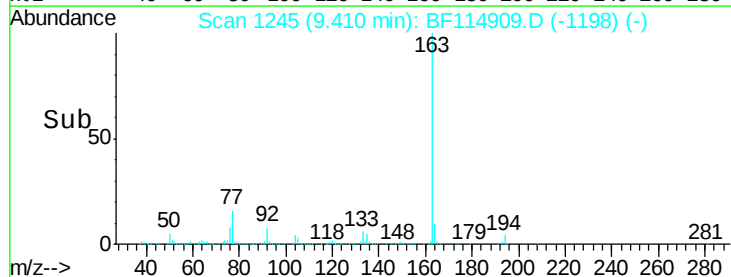
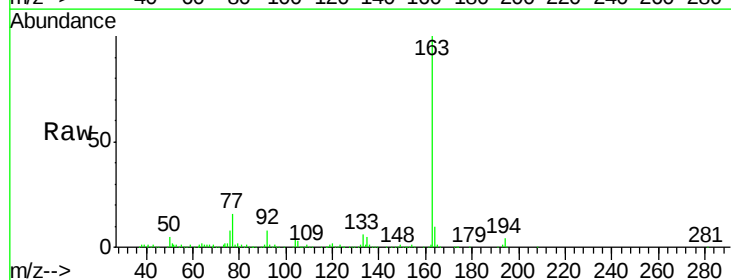
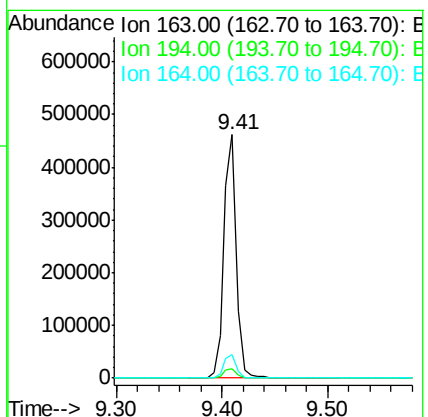
Delta R.T. -0.02 min

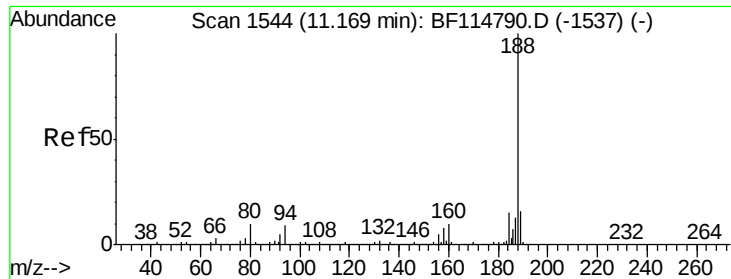
Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Tgt Ion:163 Resp: 379883

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.2
164	9.6	8.6	13.0

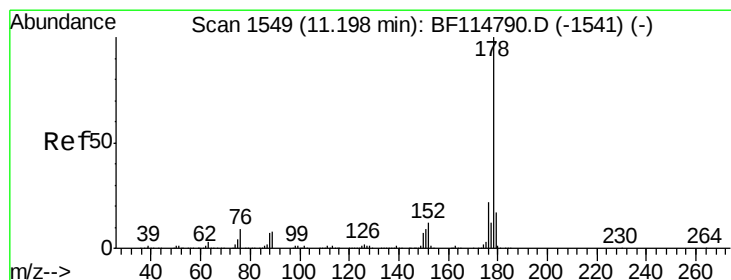
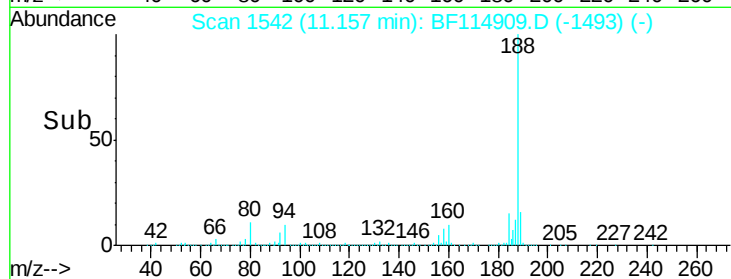
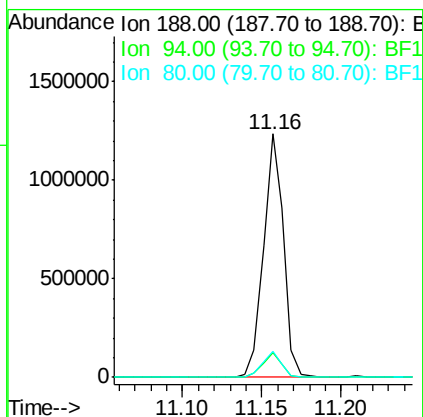
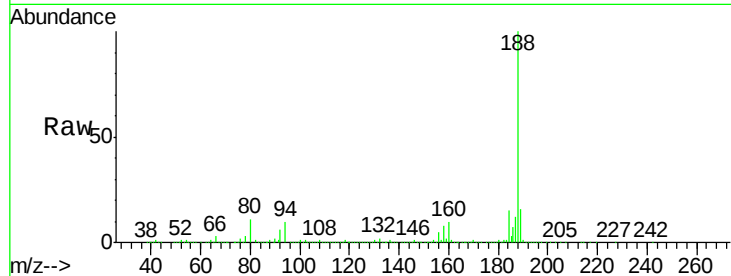




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

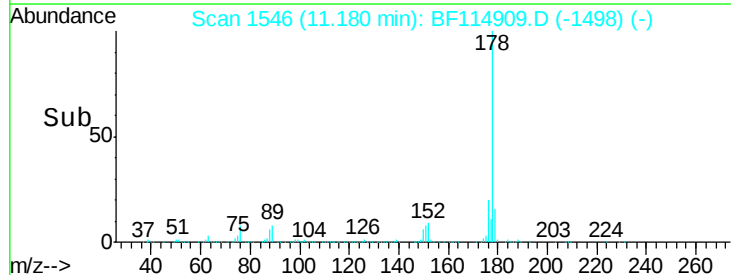
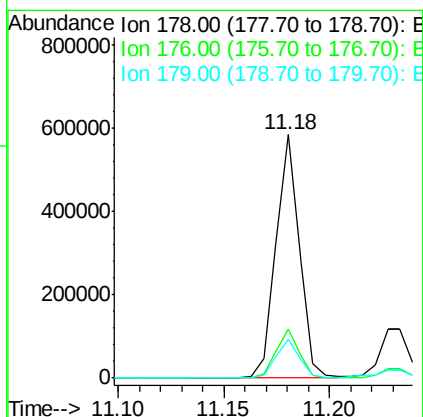
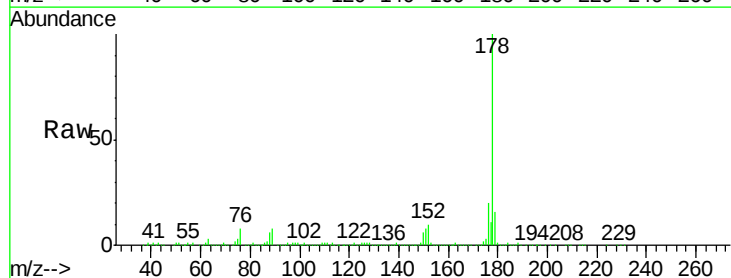
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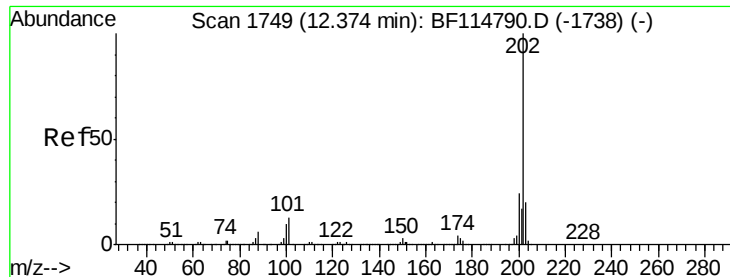
Tot Ion:188 Resp: 1090201
Ion Ratio Lower Upper
188 100
94 10.2 7.6 11.4
80 10.9 8.3 12.5



#71
Phenanthrene
Concen: 8.645 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Tgt Ion:178 Resp: 449949
Ion Ratio Lower Upper
178 100
176 19.9 17.7 26.5
179 15.8 13.7 20.5





#75

Fluoranthene

Concen: 14.415 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

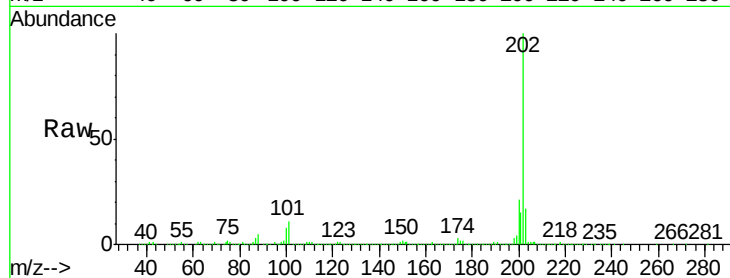
Tot Ion:202 Resp: 780860

Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.8

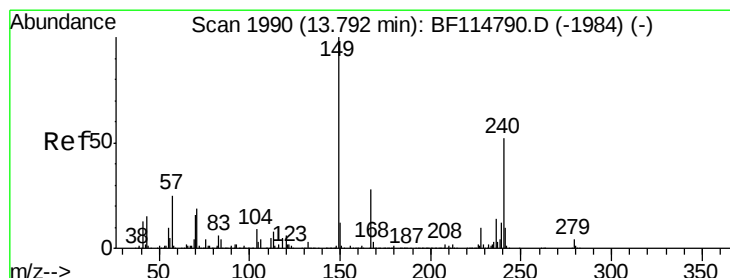
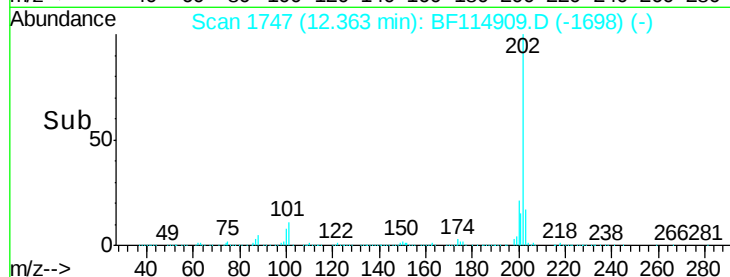
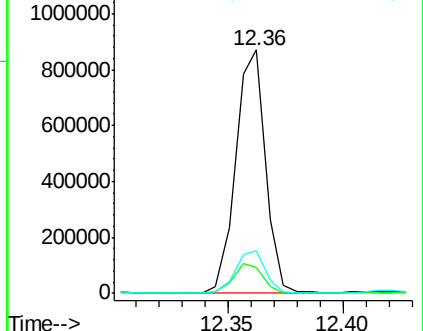
203 17.4 0.2 40.2



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: 13.77 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

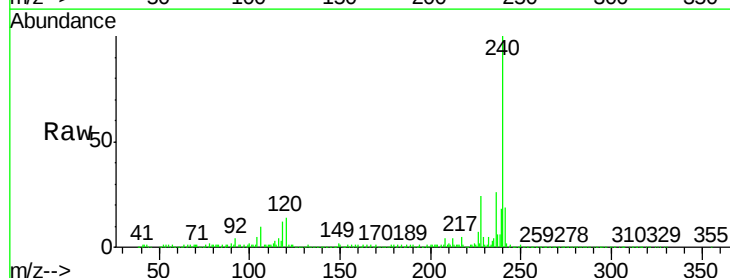
Tgt Ion:240 Resp: 680504

Ion Ratio Lower Upper

240 100

120 13.9 9.0 13.4#

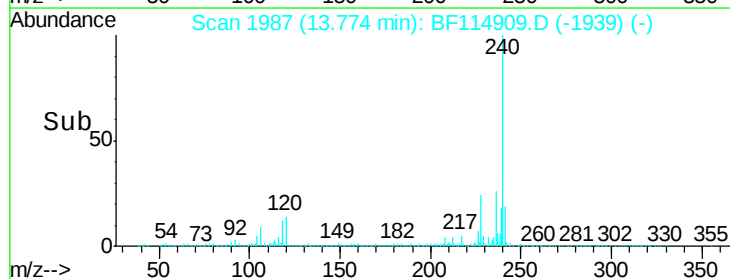
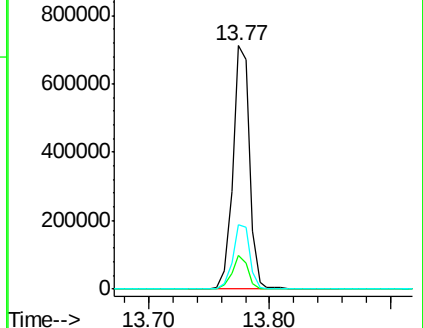
236 26.4 21.4 32.0

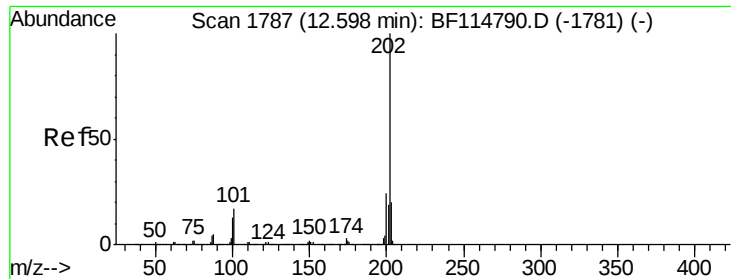


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.937 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

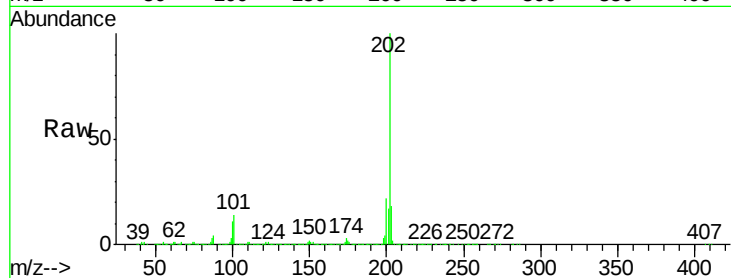
Tot Ion:202 Resp: 822789

Ion Ratio Lower Upper

202 100

200 21.5 19.2 28.8

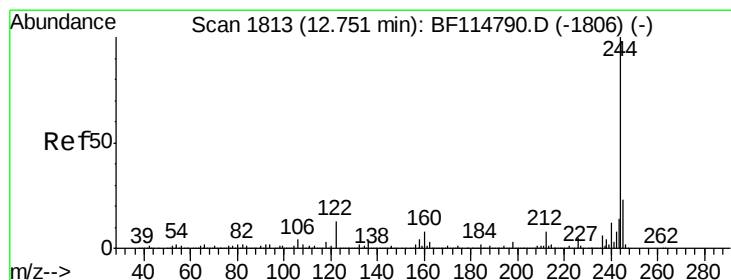
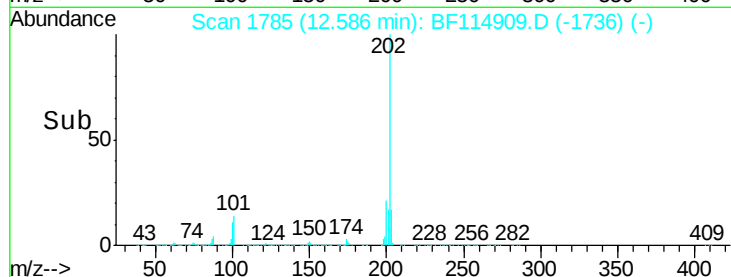
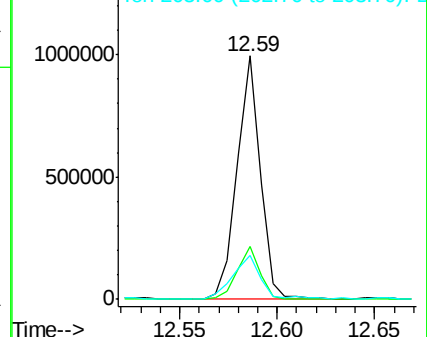
203 18.0 15.9 23.9



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: 58.710 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

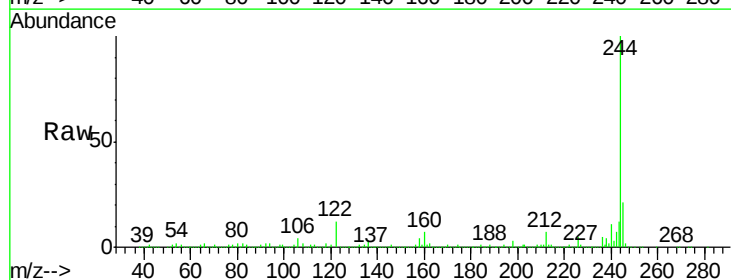
Tgt Ion:244 Resp: 2054367

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

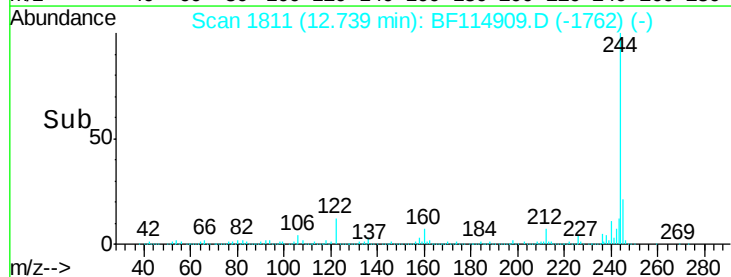
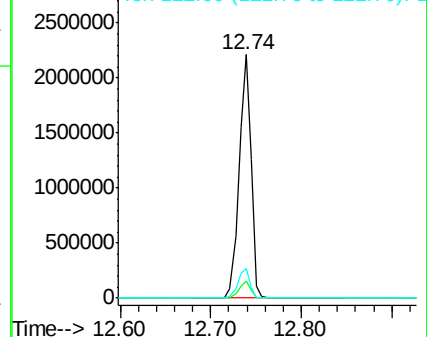
122 12.3 10.5 15.7

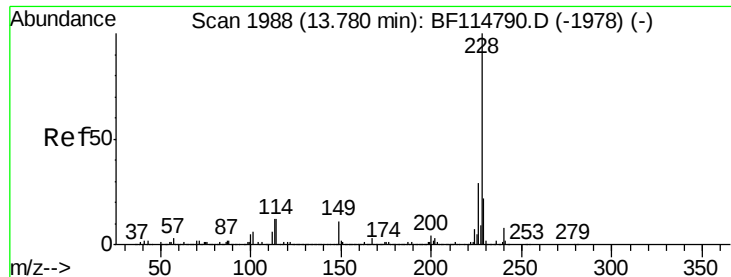


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

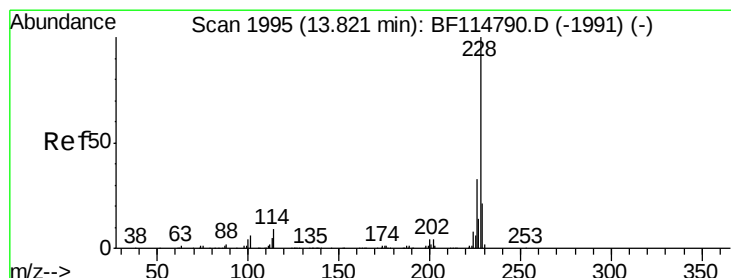
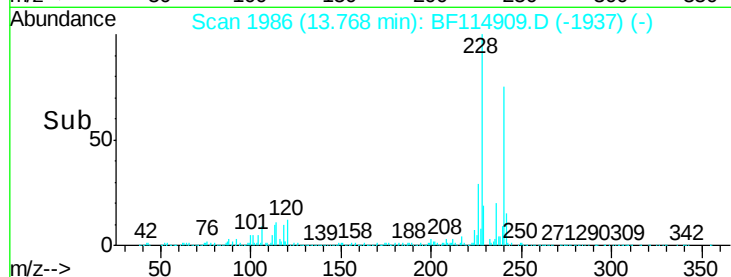
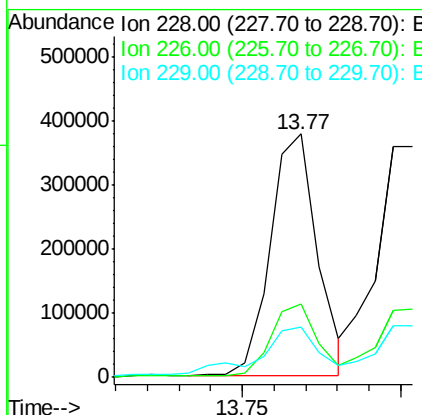
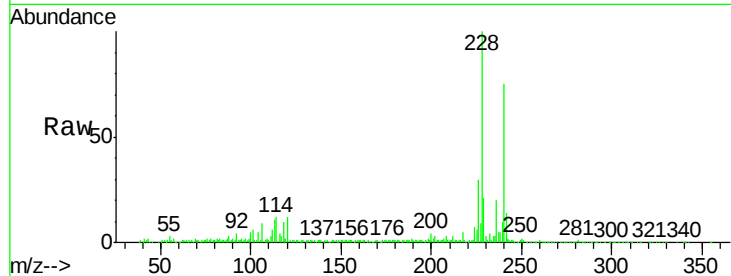




#81
Benzo(a)anthracene
Concen: 7.447 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

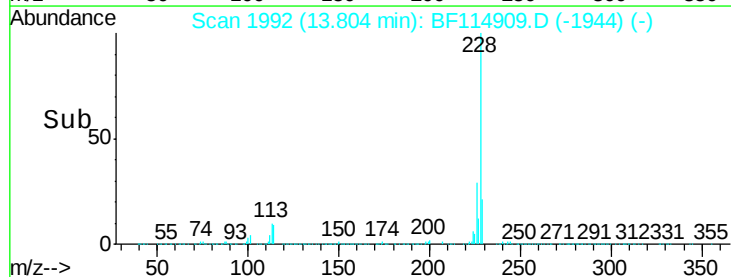
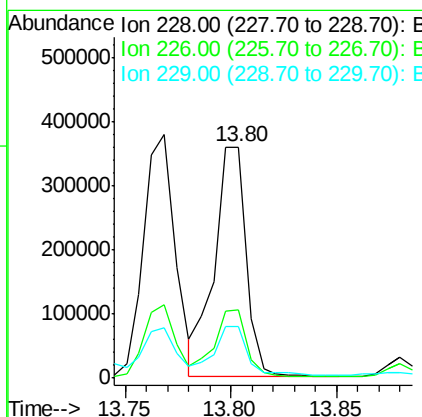
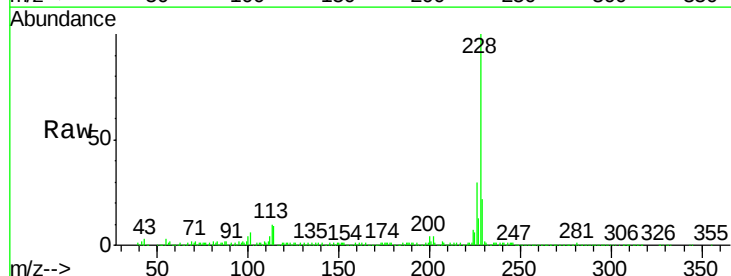
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

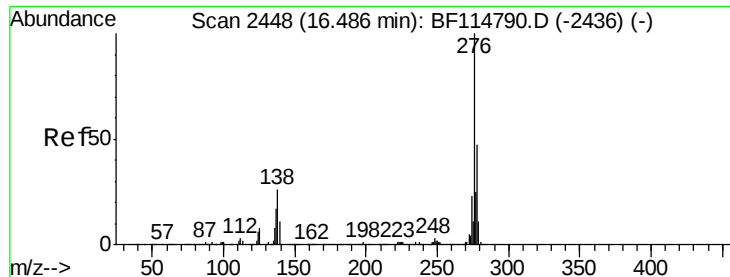
Tot Ion:228 Resp: 390513
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.2
229 20.9 17.4 26.0



#83
Chrysene
Concen: 7.420 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Tgt Ion:228 Resp: 378519
Ion Ratio Lower Upper
228 100
226 29.5 26.0 39.0
229 22.2 17.1 25.7

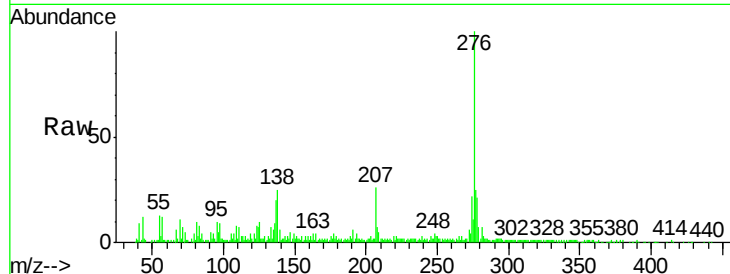




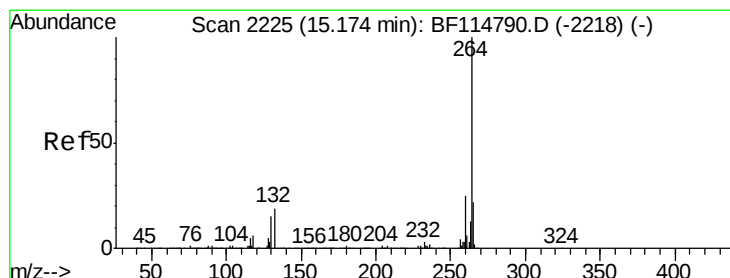
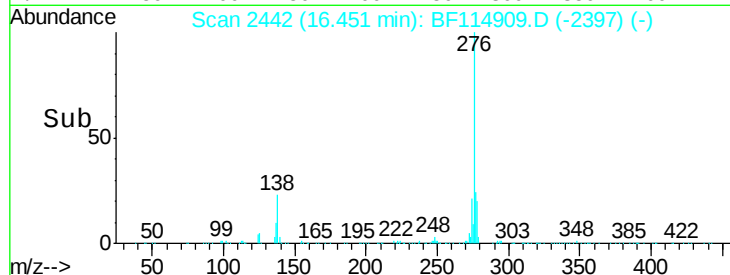
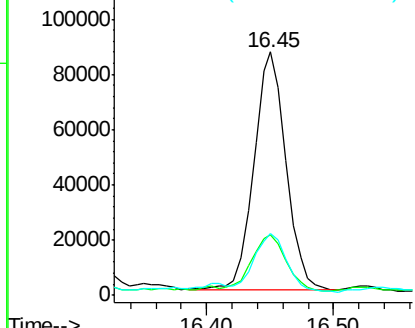
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.596 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.04 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

Tot Ion:276 Resp: 151121
Ion Ratio Lower Upper
276 100
138 26.1 22.2 33.4
277 25.2 20.6 30.8

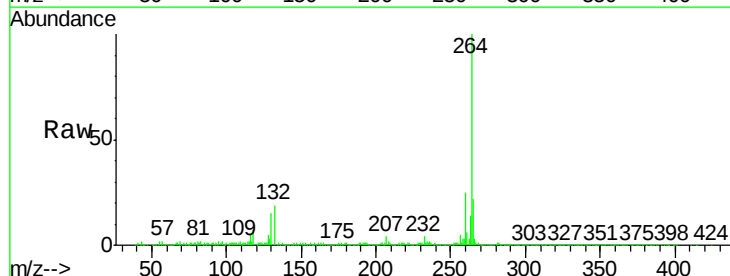


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

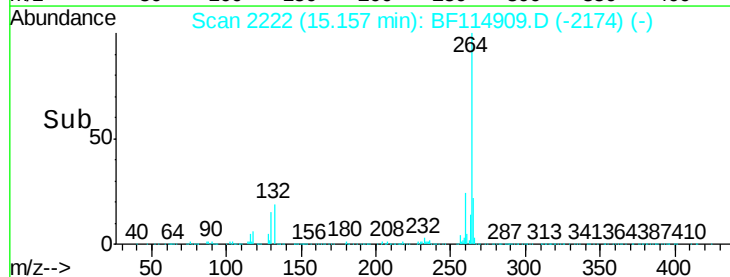
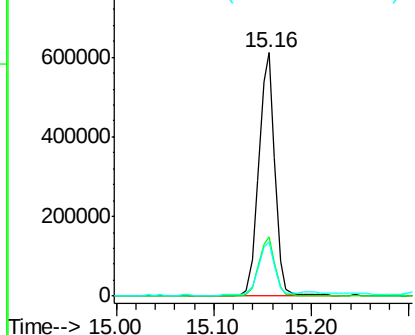


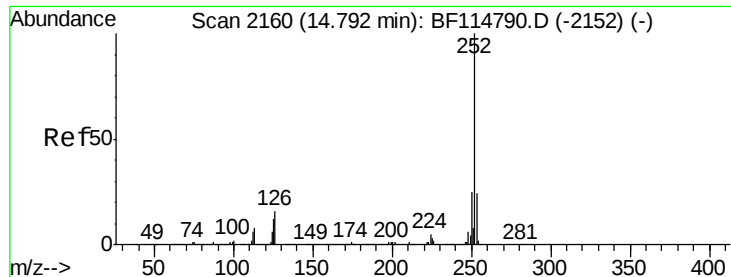
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Tgt Ion:264 Resp: 714075
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 22.1 17.7 26.5



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





#88

Benzo(b)fluoranthene

Concen: 9.315 ng m

RT: 14.77 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-B

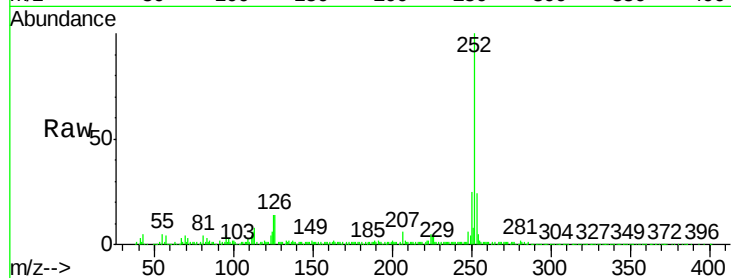
Tot Ion:252 Resp: 423472

Ion Ratio Lower Upper

252 100

253 24.3 19.0 28.6

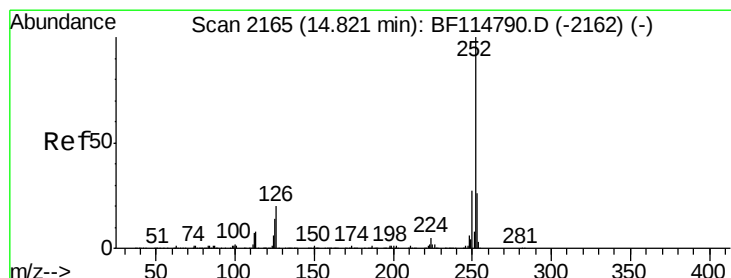
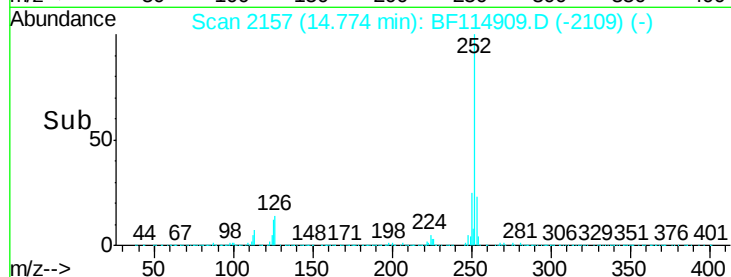
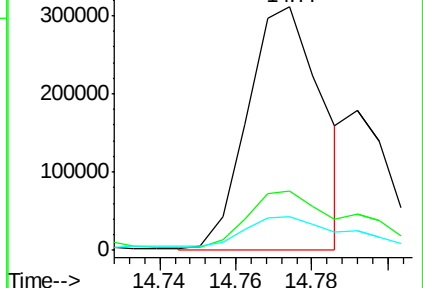
125 13.7 9.4 14.0



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



#89

Benzo(k)fluoranthene

Concen: 3.592 ng m

RT: 14.79 min Scan# 2160

Delta R.T. -0.03 min

Lab File: BF114909.D

Acq: 8 Jun 2019 00:06

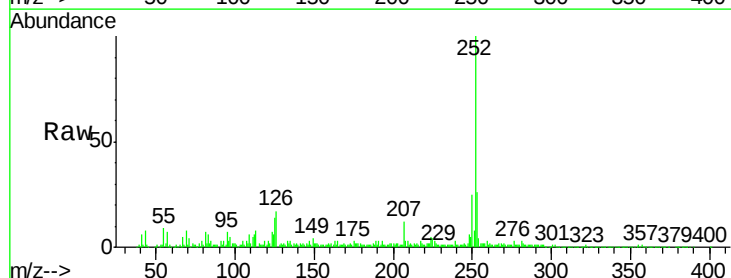
Tgt Ion:252 Resp: 138669

Ion Ratio Lower Upper

252 100

253 25.8 19.3 28.9

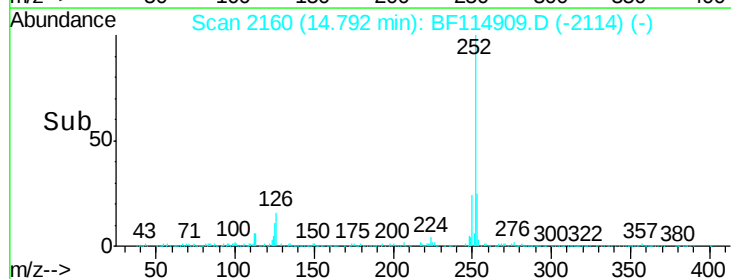
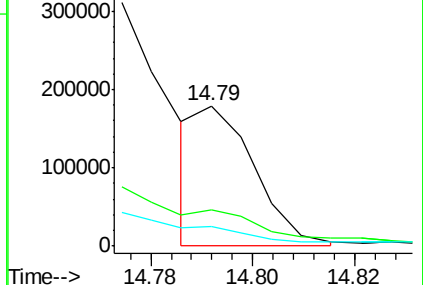
125 13.6 10.1 15.1

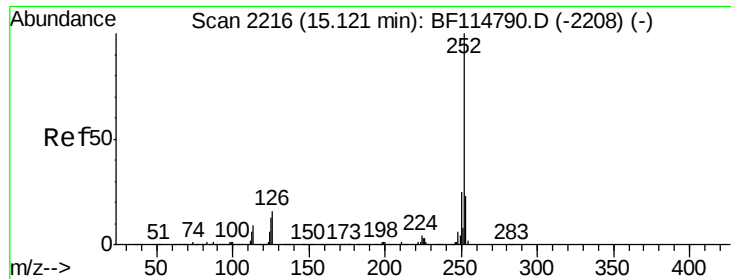


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

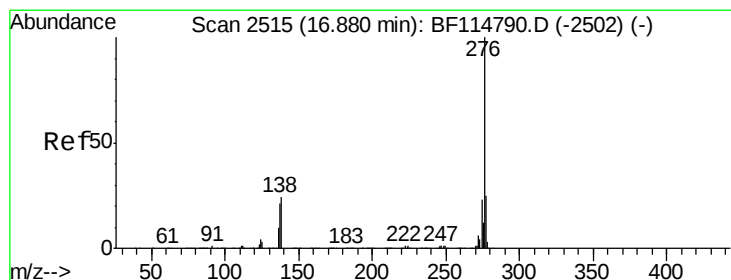
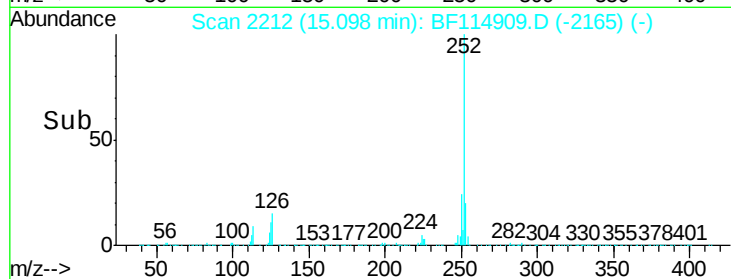
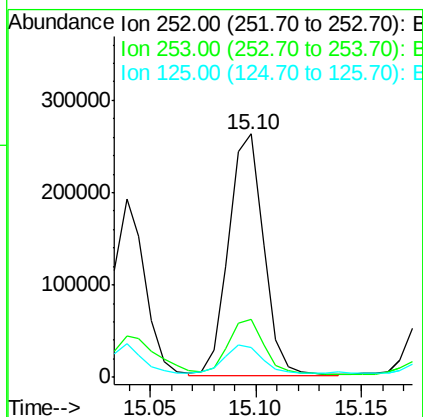
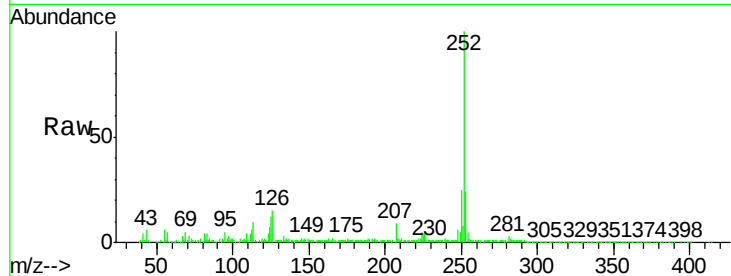




#90
Benzo(a)pyrene
Concen: 7.604 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	12.2	10.1	15.1



#92
Benzo(g,h,i)perylene
Concen: 3.763 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.04 min
Lab File: BF114909.D
Acq: 8 Jun 2019 00:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	27.0	19.4	29.2

