

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
 Data File : BF114910.D
 Acq On : 8 Jun 2019 00:32
 Operator : HP/JU
 Sample : K3247-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jun 08 06:47:09 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	368802	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1378844	20.00	ng	-0.01
39) Acenaphthene-d10	9.69	164	637549	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	1048943	20.00	ng	-0.01
76) Chrysene-d12	13.78	240	700140	20.00	ng	-0.01
87) Perylene-d12	15.16	264	686051	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1881093	89.12	ng	0.01
7) Phenol-d6	6.31	99	2299341	89.53	ng	0.00
23) Nitrobenzene-d5	7.22	82	1403136	62.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	551133	80.22	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	2486224	73.05	ng	-0.01
79) Terphenyl-d14	12.74	244	1984806	55.13	ng	-0.01

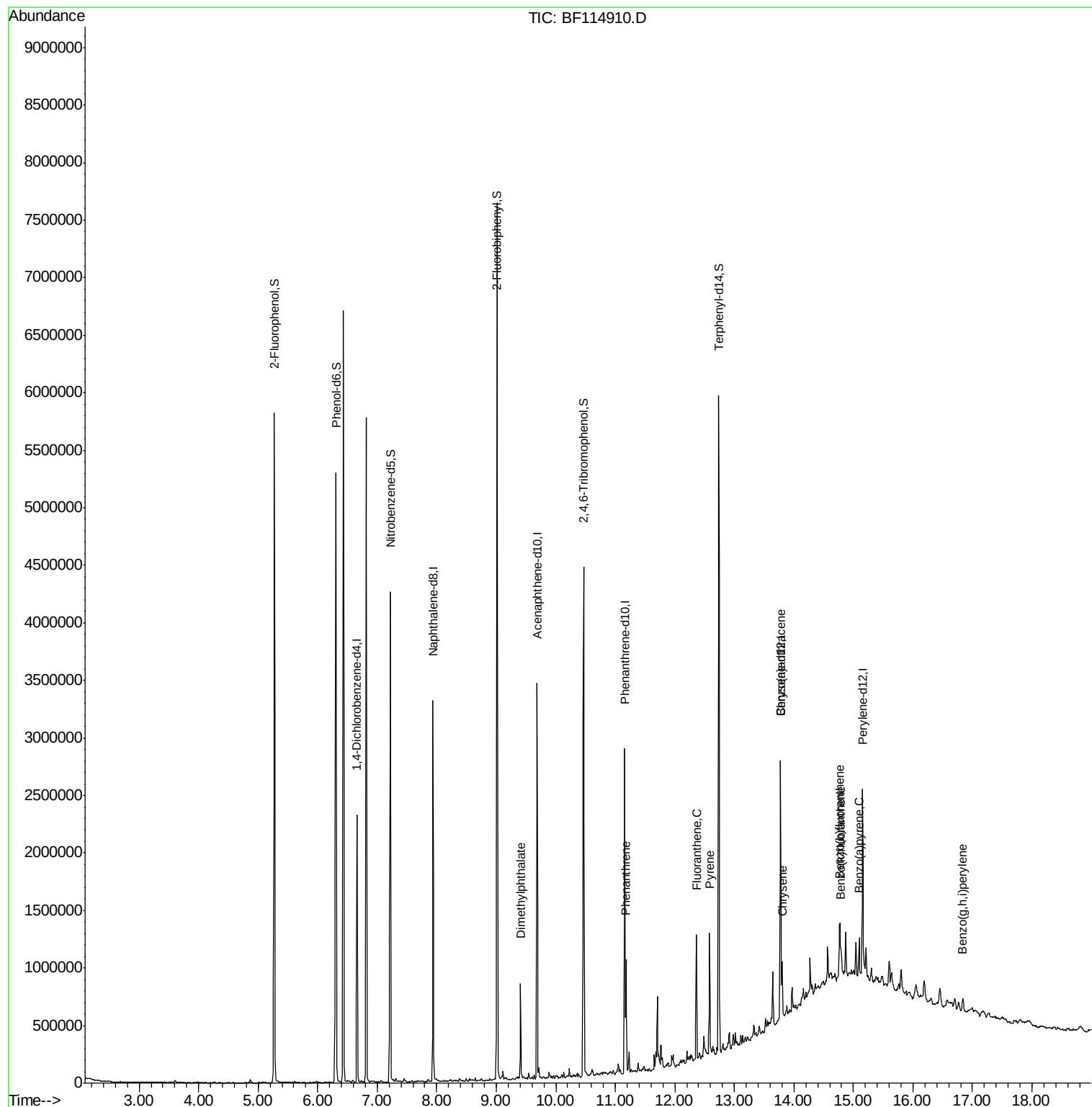
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.41	163	335056	7.196	ng	97
71) Phenanthrene	11.18	178	317634	6.343	ng	95
75) Fluoranthene	12.36	202	462349	8.871	ng	94
78) Pyrene	12.59	202	414282	6.821	ng	96
81) Benzo(a)anthracene	13.77	228	210411	3.900	ng	99
83) Chrysene	13.80	228	215027	4.097	ng	97
88) Benzo(b)fluoranthene	14.77	252	252773m	5.788	ng	
89) Benzo(k)fluoranthene	14.79	252	92947m	2.506	ng	
90) Benzo(a)pyrene	15.10	252	164827	4.360	ng	97
92) Benzo(g,h,i)perylene	16.84	276	88380	2.455	ng	96

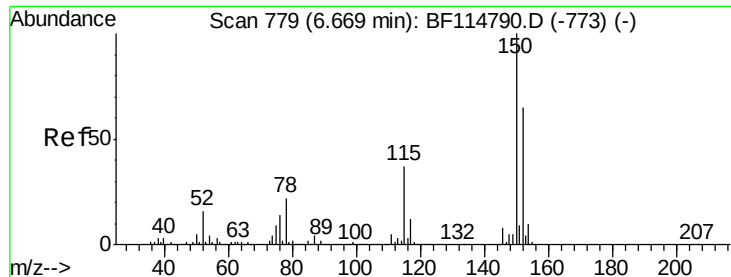
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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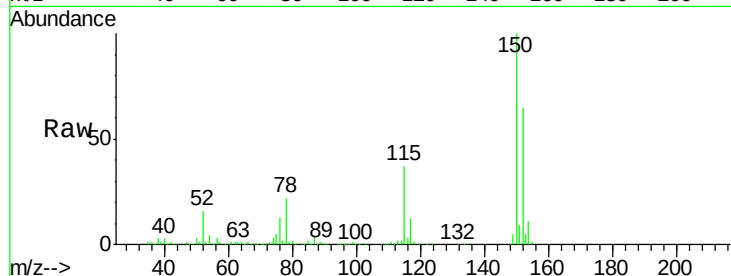


#1

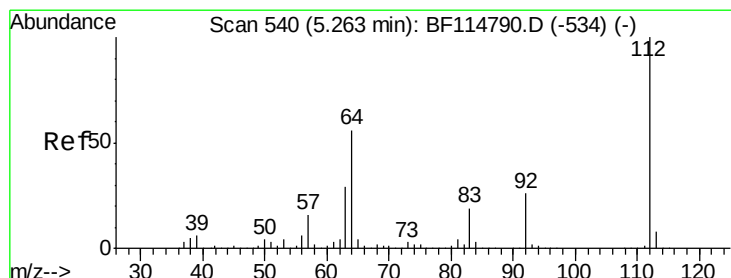
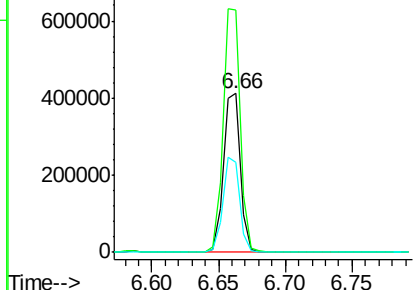
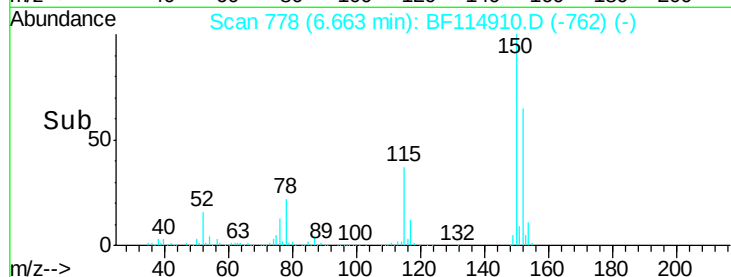
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

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

Tot Ion:152 Resp: 368802
Ion Ratio Lower Upper
152 100
150 152.9 124.0 186.0
115 56.8 46.3 69.5



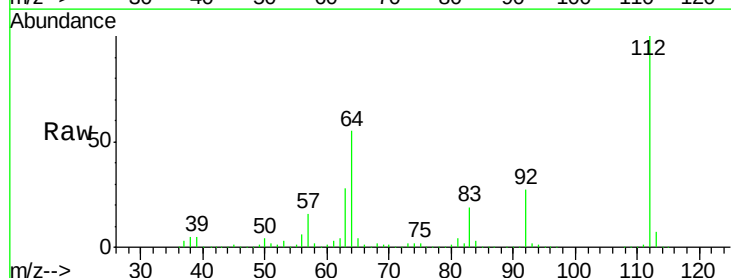
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



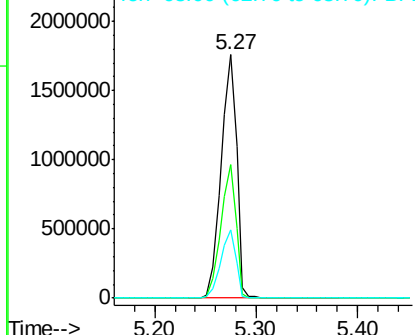
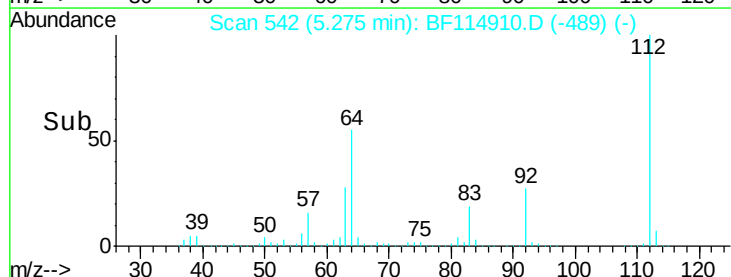
#5

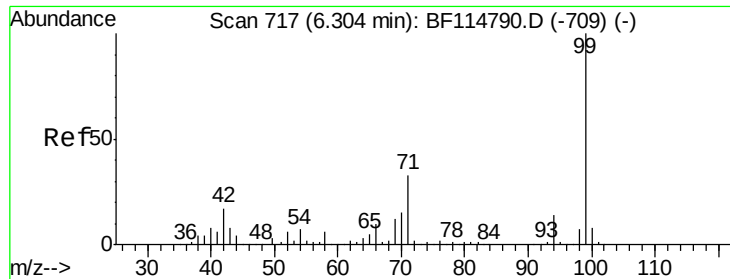
2-Fluorophenol
Concen: 89.125 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion:112 Resp: 1881093
Ion Ratio Lower Upper
112 100
64 54.7 44.6 66.8
63 28.0 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 89.530 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

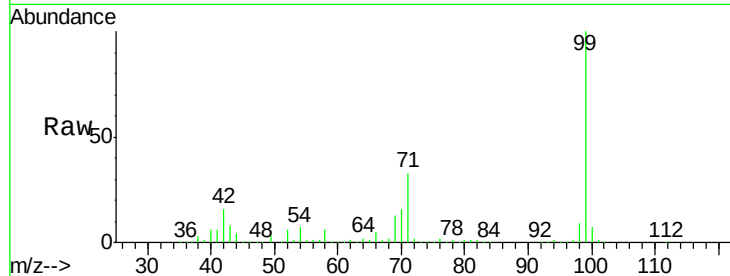
BNA_F

ClientSampleId :

FK-GF-02-041-A

Tot Ion: 99 Resp: 2299341

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.3	19.9
71	33.0	26.3	39.5

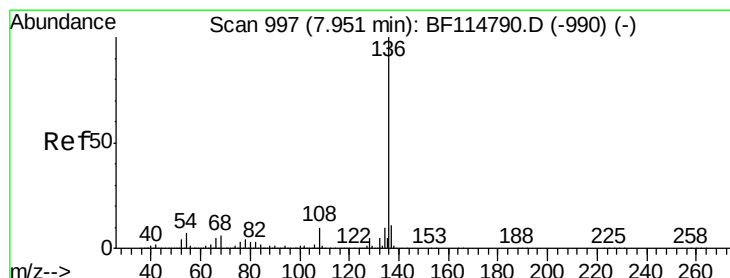
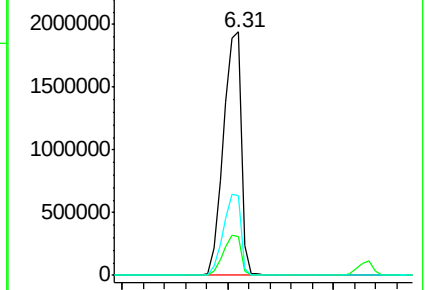
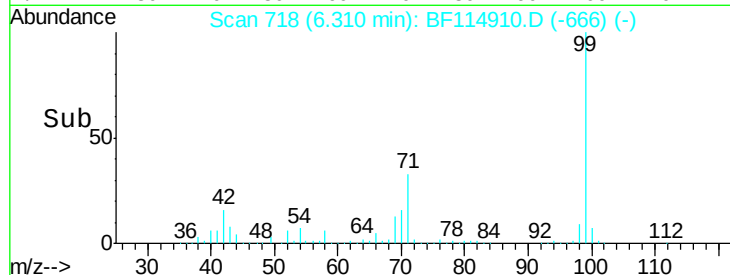


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

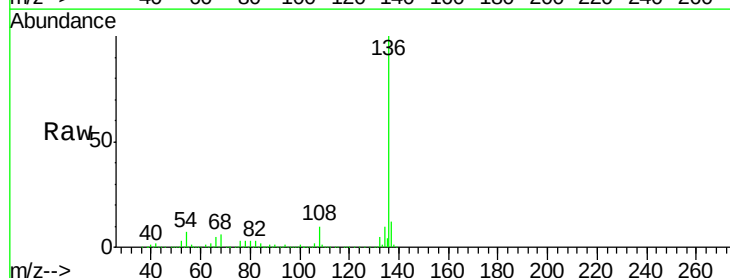
Delta R.T. -0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Tgt Ion: 136 Resp: 1378844

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.9	5.4	8.0
68	6.0	4.6	6.8



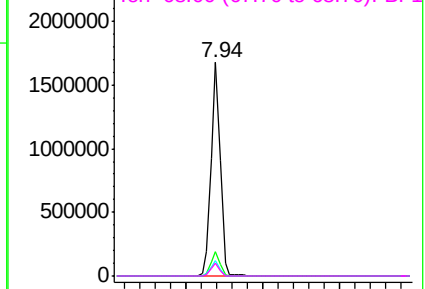
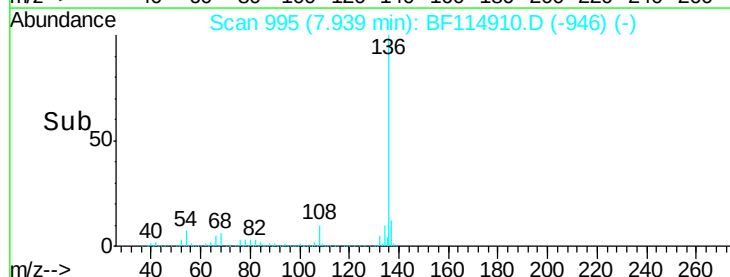
Abundance

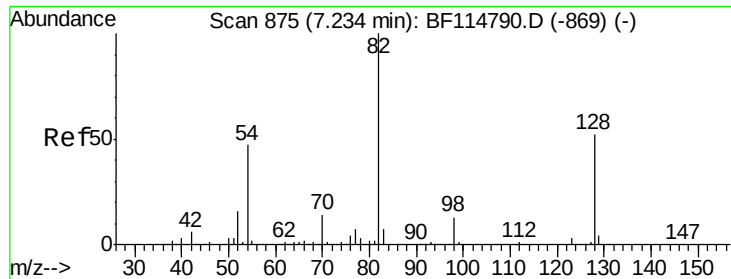
Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

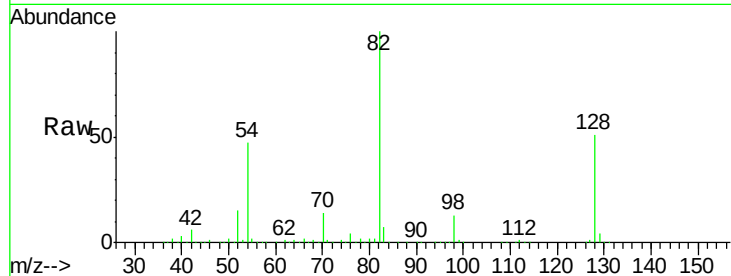




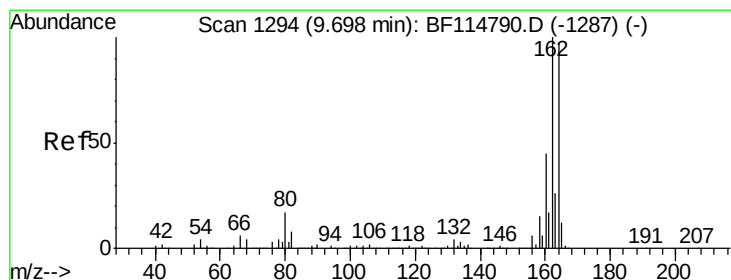
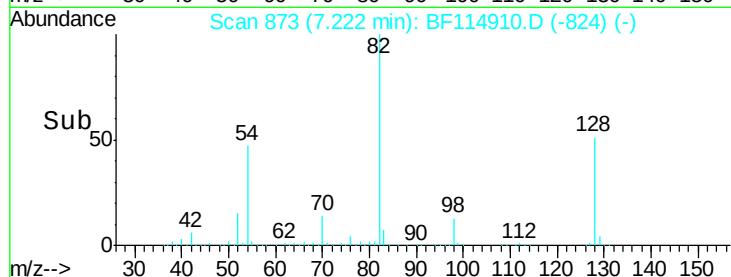
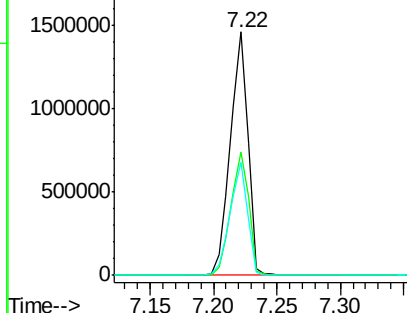
#23
Nitrobenzene-d5
Concen: 62.643 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

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

Tot Ion: 82 Resp: 1403136
Ion Ratio Lower Upper
82 100
128 50.7 41.8 62.6
54 46.6 37.9 56.9

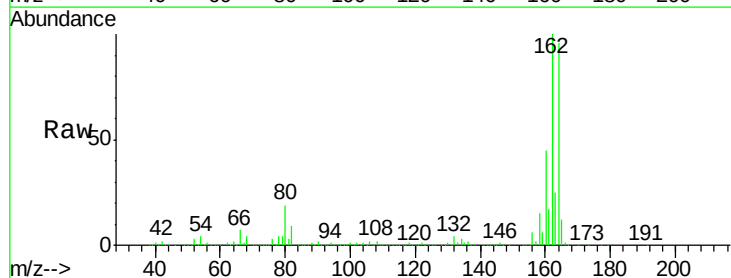


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

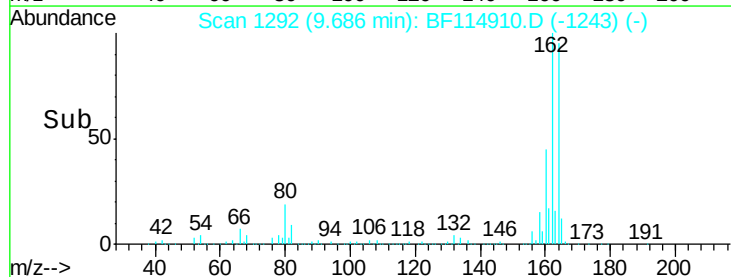
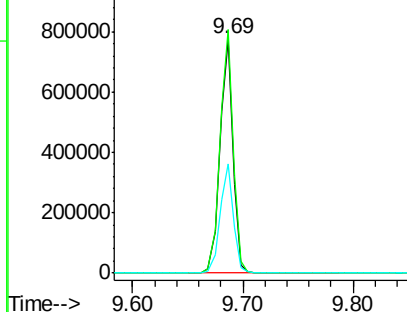


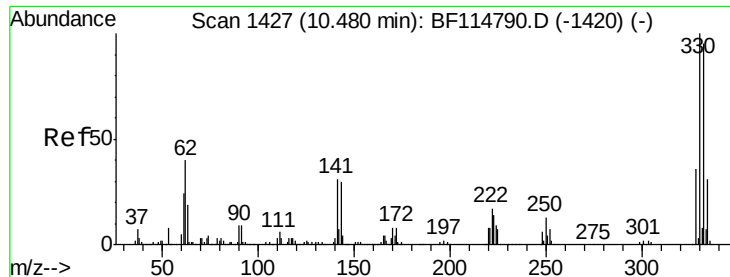
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion:164 Resp: 637549
Ion Ratio Lower Upper
164 100
162 104.2 82.3 123.5
160 46.5 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

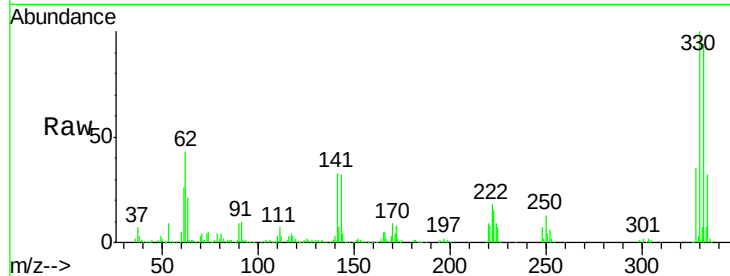




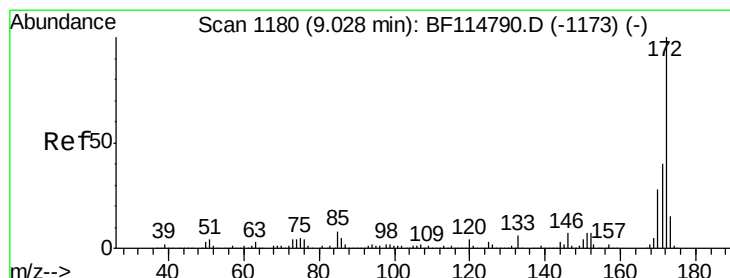
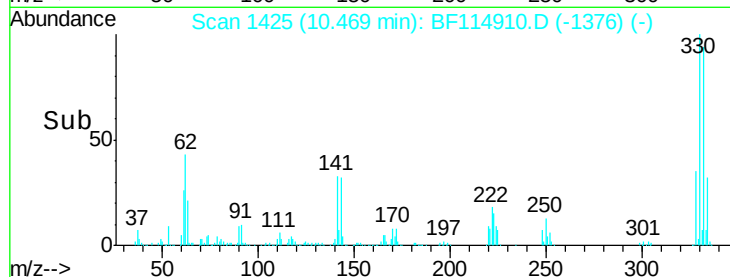
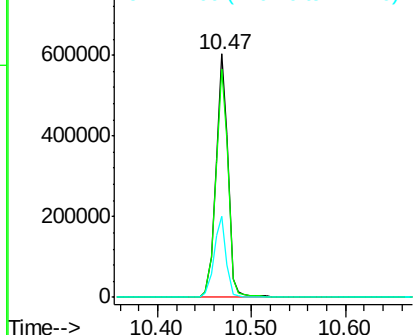
#42
 2,4,6-Tribromophenol
 Concen: 80.216 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

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

Tot Ion:330 Resp: 551133
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 33.6 26.2 39.4

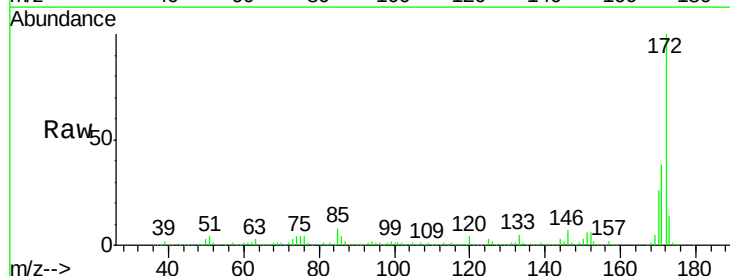


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

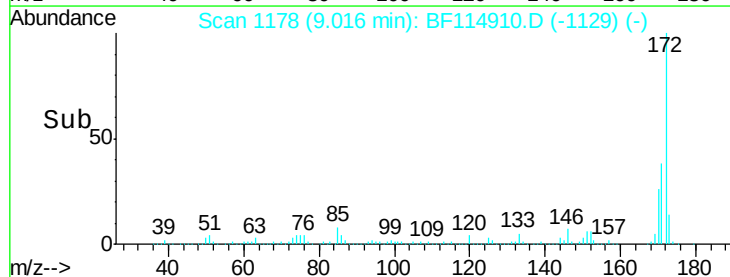
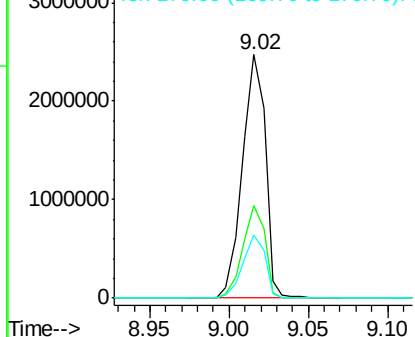


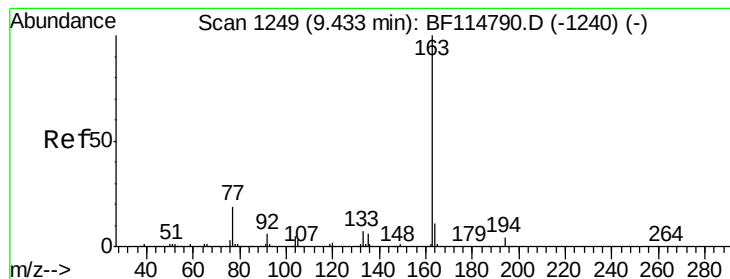
#45
 2-Fluorobiphenyl
 Concen: 73.051 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

Tgt Ion:172 Resp: 2486224
 Ion Ratio Lower Upper
 172 100
 171 38.1 32.3 48.5
 170 25.7 22.4 33.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.196 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

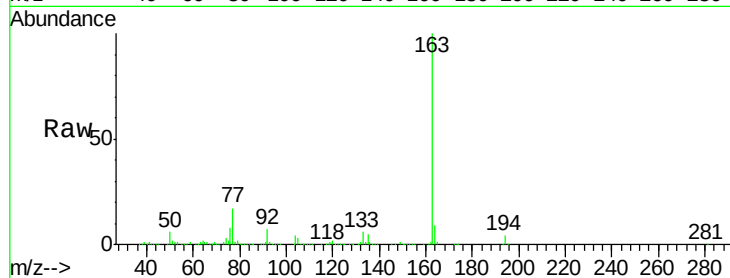
Tot Ion:163 Resp: 335056

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

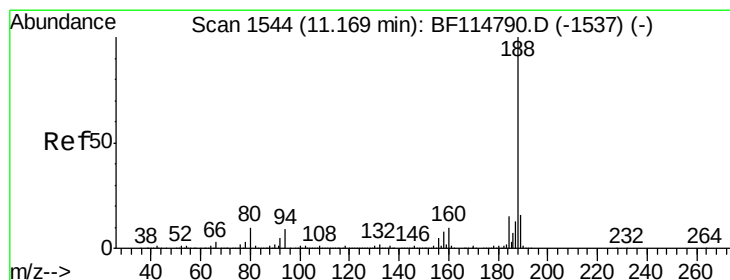
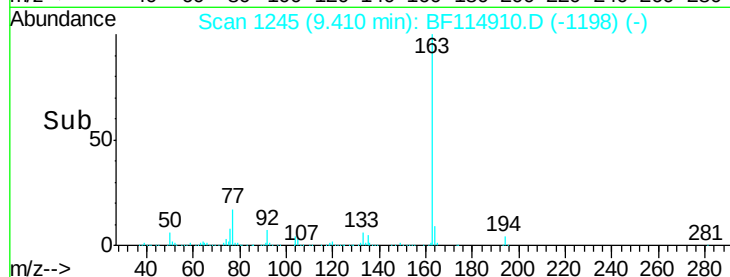
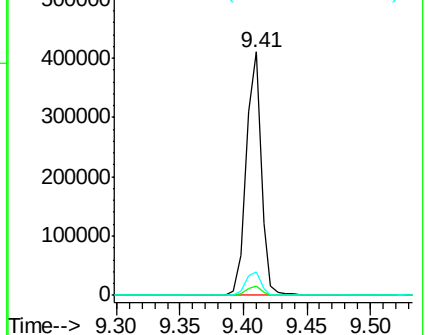
164 9.4 8.6 13.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

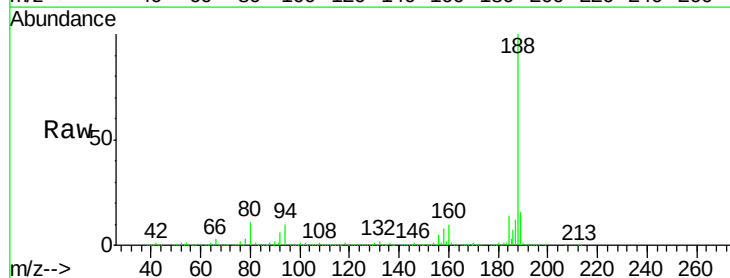
Tgt Ion:188 Resp: 1048943

Ion Ratio Lower Upper

188 100

94 10.4 7.6 11.4

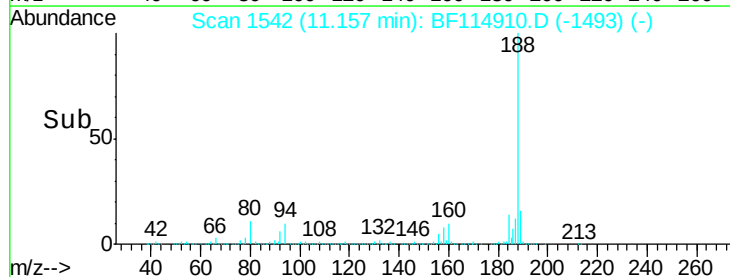
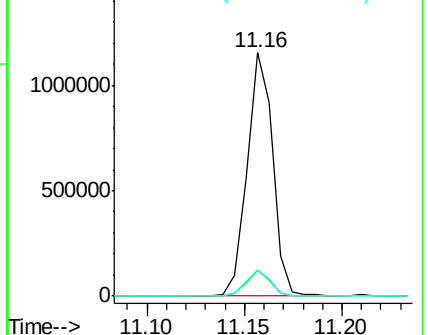
80 10.7 8.3 12.5

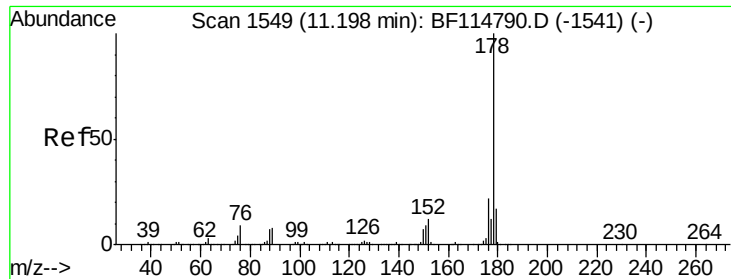


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.343 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

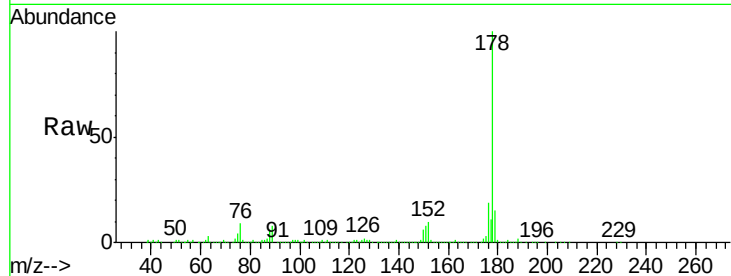
Tot Ion:178 Resp: 317634

Ion Ratio Lower Upper

178 100

176 19.4 17.7 26.5

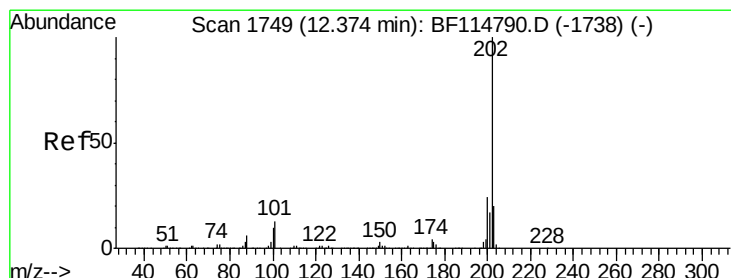
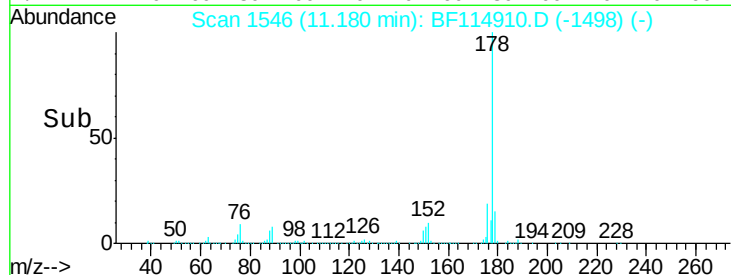
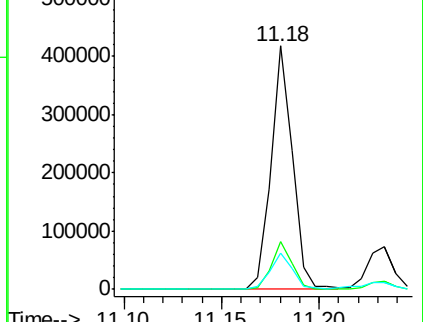
179 15.1 13.7 20.5



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



#75

Fluoranthene

Concen: 8.871 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

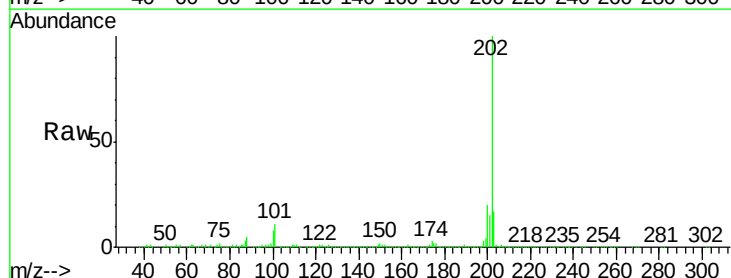
Tgt Ion:202 Resp: 462349

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.8

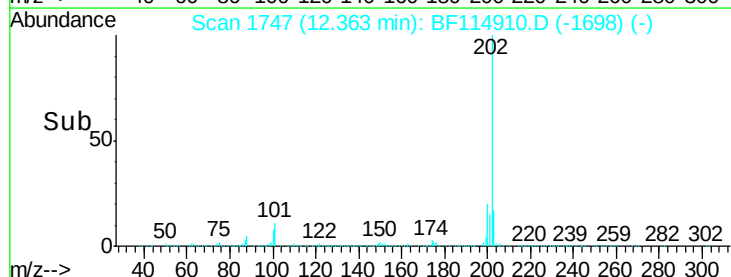
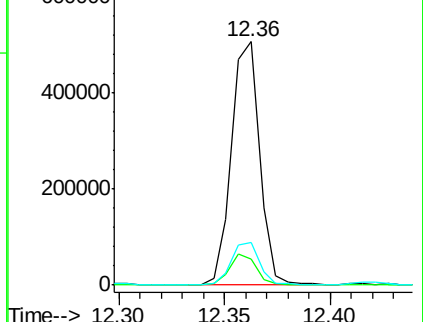
203 17.4 0.2 40.2

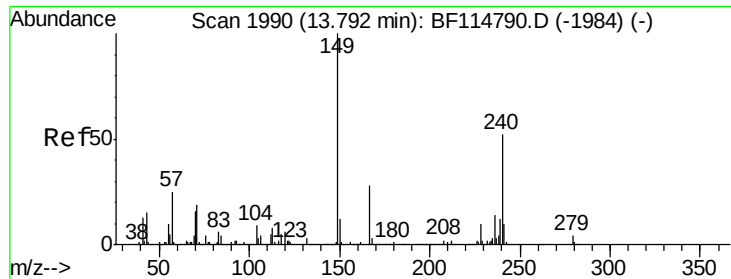


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

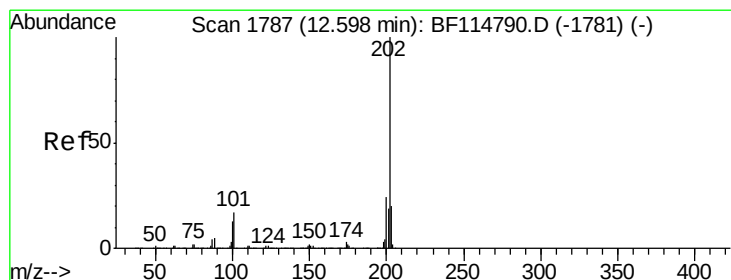
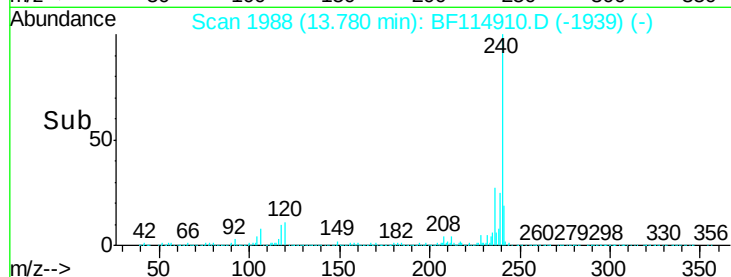
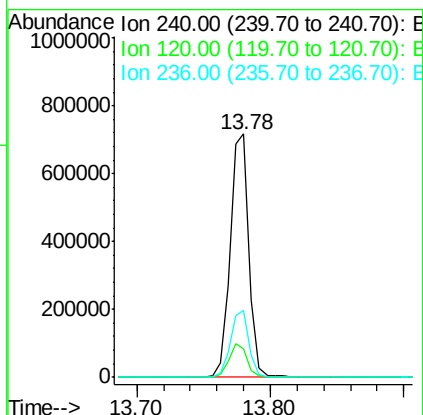
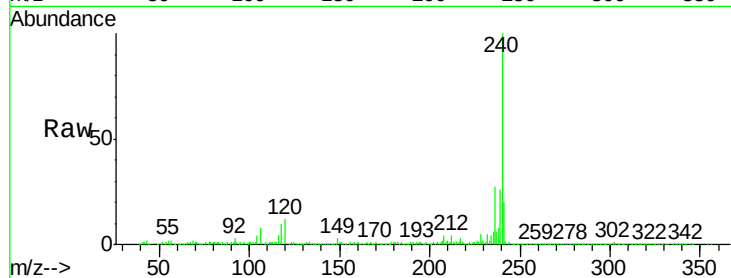




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

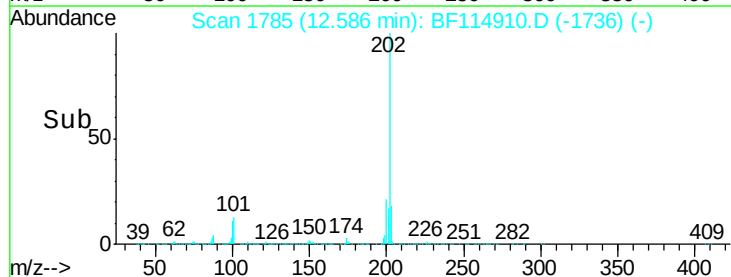
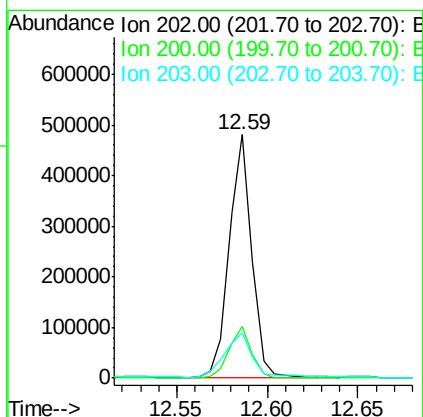
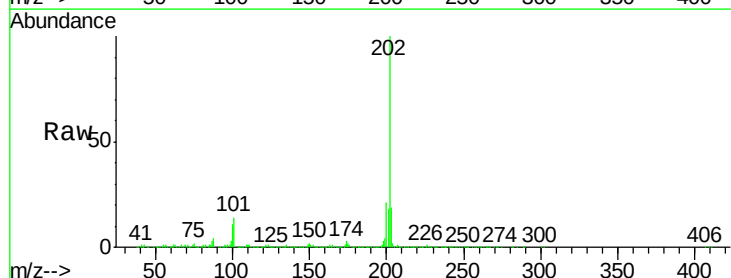
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-041-A

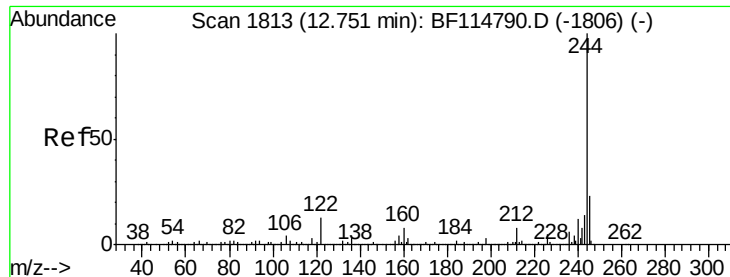
Tot Ion:240 Resp: 700140
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.4
236 27.4 21.4 32.0



#78
Pyrene
Concen: 6.821 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion:202 Resp: 414282
Ion Ratio Lower Upper
202 100
200 21.3 19.2 28.8
203 18.6 15.9 23.9

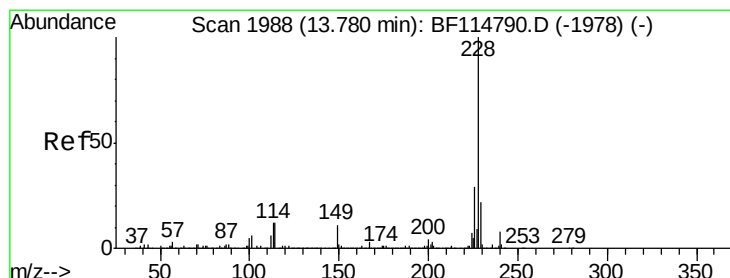
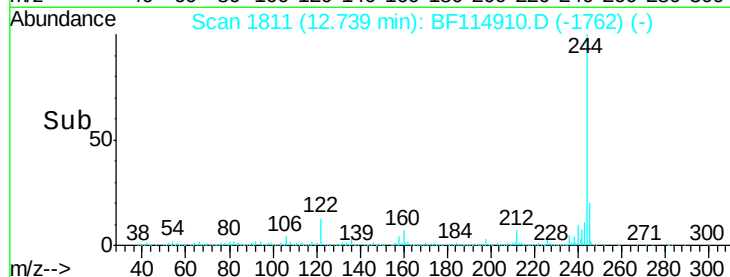
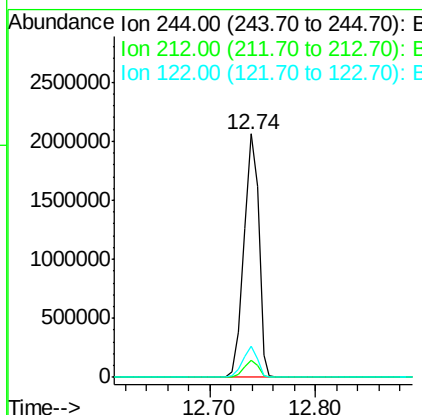
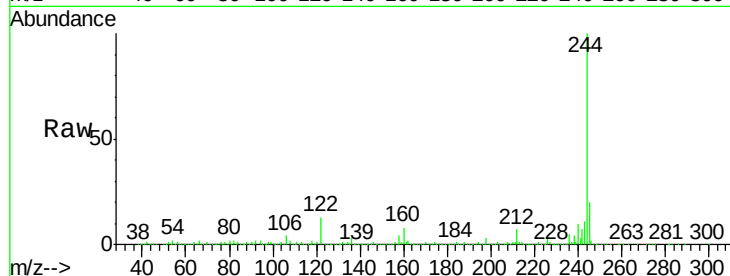




#79
 Terphenyl-d14
 Concen: 55.131 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

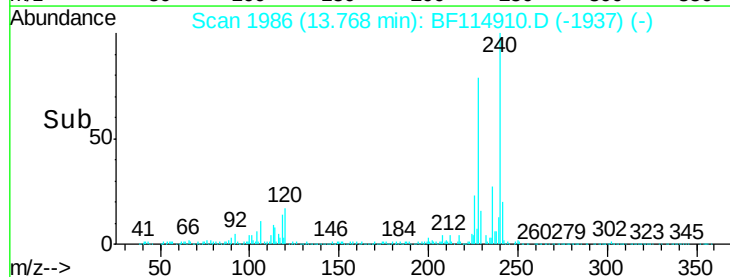
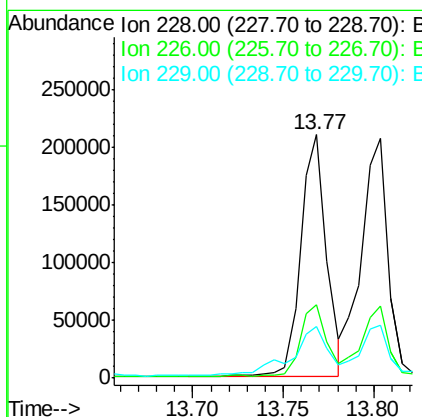
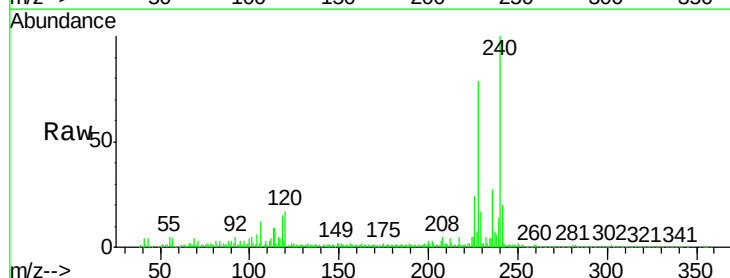
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-041-A

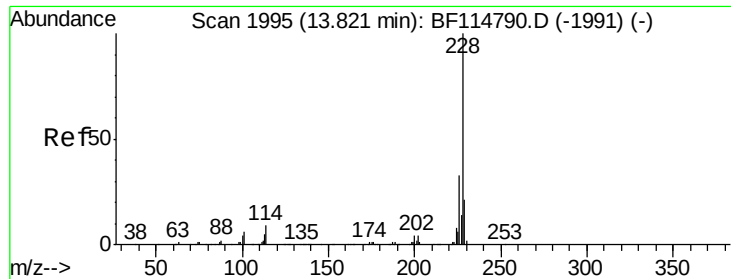
Tot Ion:244 Resp: 1984806
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 12.7 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 3.900 ng
 RT: 13.77 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BF114910.D
 Acq: 8 Jun 2019 00:32

Tgt Ion:228 Resp: 210411
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.4 35.2
 229 21.2 17.4 26.0





#83

Chrysene

Concen: 4.097 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

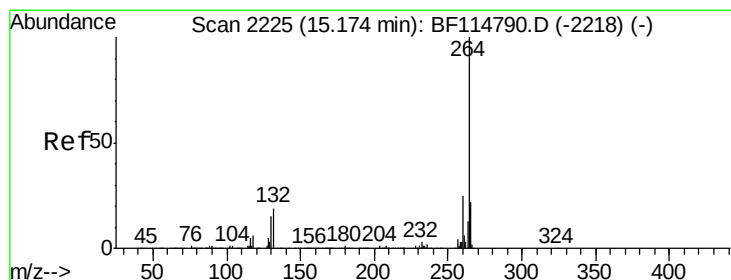
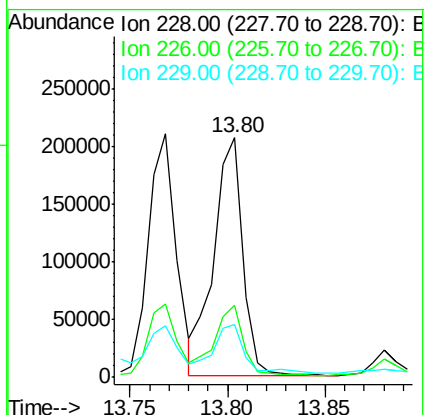
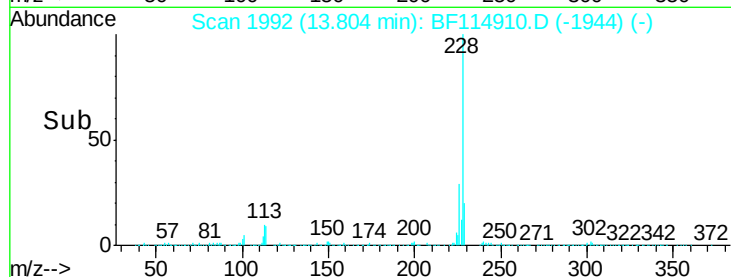
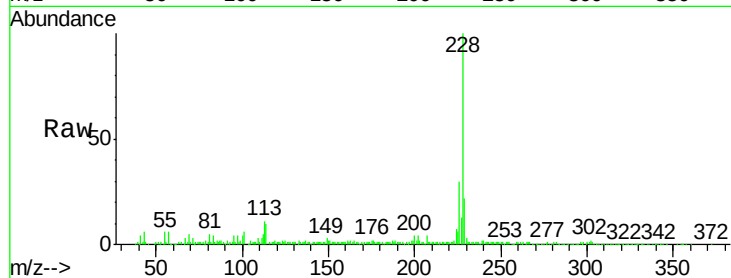
BNA_F

ClientSampleId :

FK-GF-02-041-A

Tot Ion:228 Resp: 215027

Ion	Ratio	Lower	Upper
228	100		
226	30.1	26.0	39.0
229	21.9	17.1	25.7



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2222

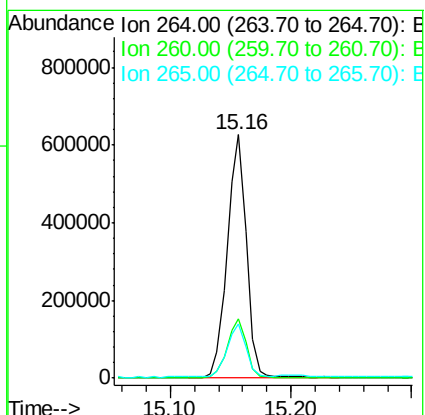
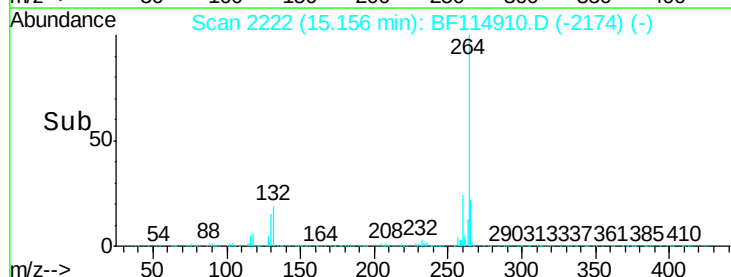
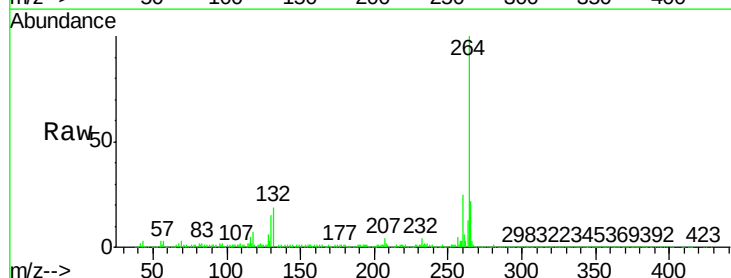
Delta R.T. -0.02 min

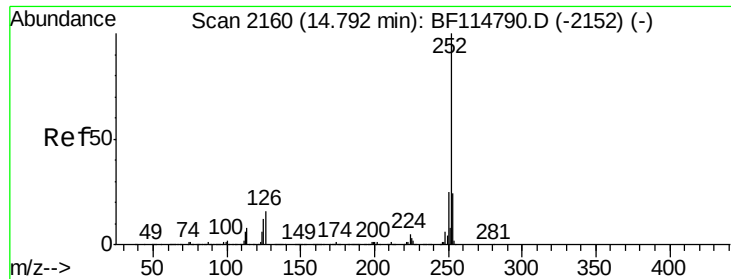
Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Tgt Ion:264 Resp: 686051

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	22.3	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 5.788 ng m

RT: 14.77 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-041-A

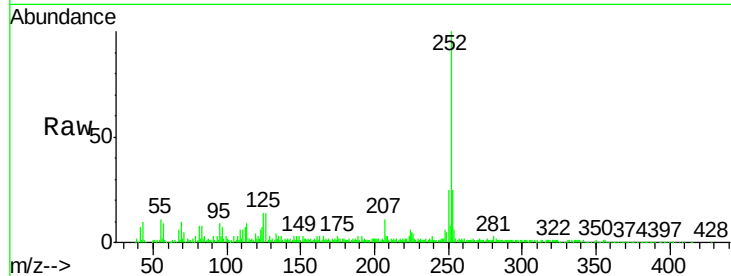
Tot Ion:252 Resp: 252773

Ion Ratio Lower Upper

252 100

253 25.3 19.0 28.6

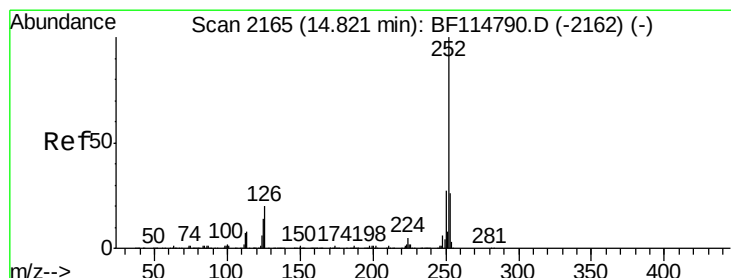
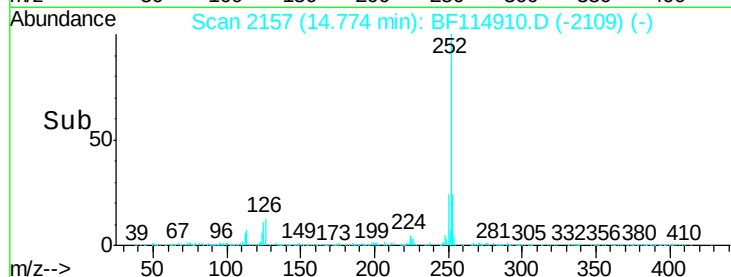
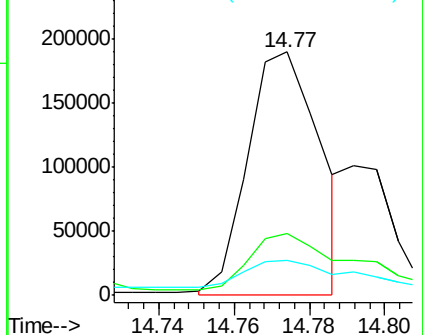
125 14.2 9.4 14.0#



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: 2.506 ng m

RT: 14.79 min Scan# 2160

Delta R.T. -0.03 min

Lab File: BF114910.D

Acq: 8 Jun 2019 00:32

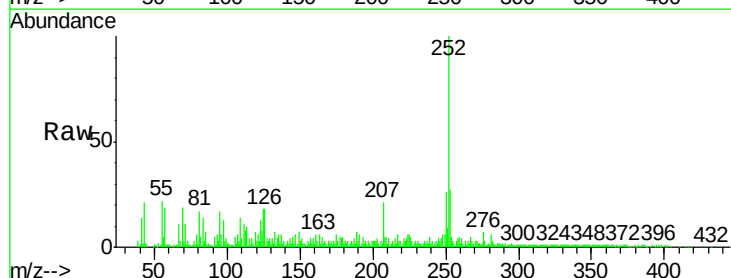
Tgt Ion:252 Resp: 92947

Ion Ratio Lower Upper

252 100

253 26.9 19.3 28.9

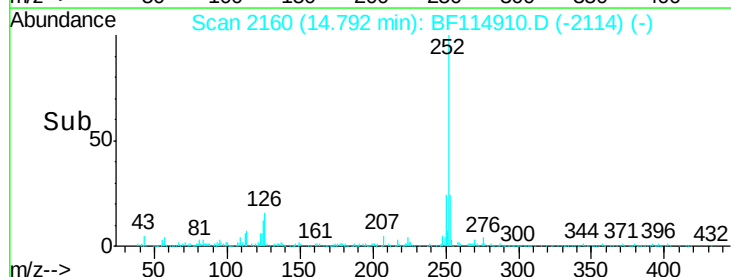
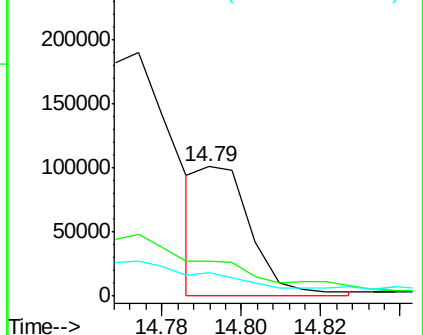
125 17.7 10.1 15.1#

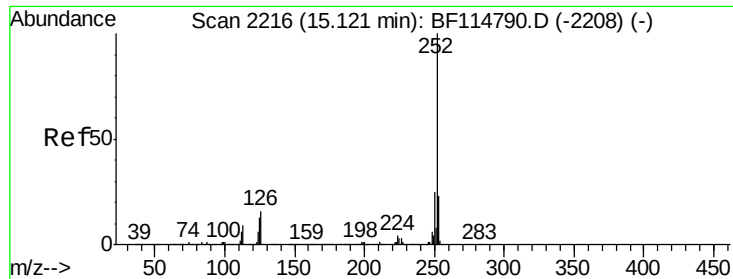


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

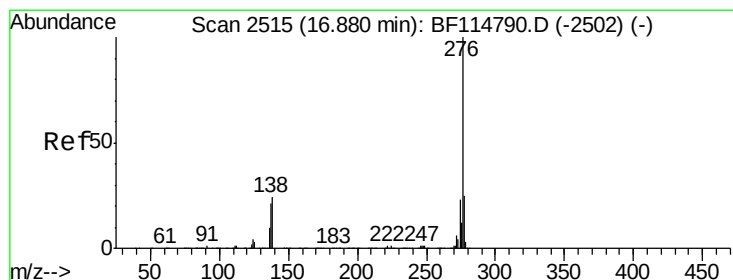
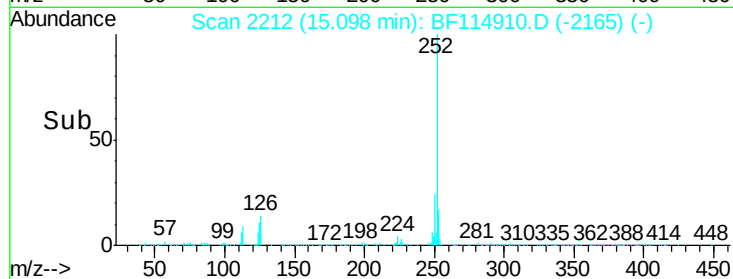
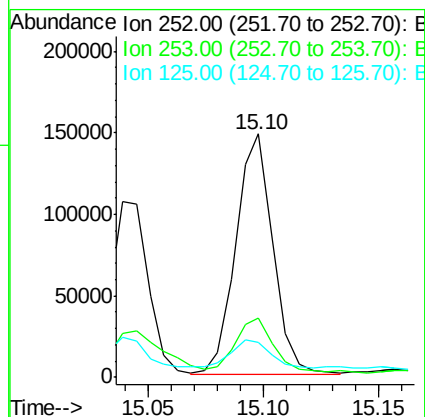
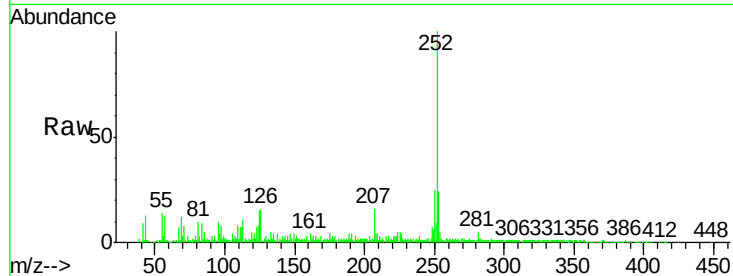




#90
Benzo(a)pyrene
Concen: 4.360 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	14.6	10.1	15.1



#92
Benzo(g,h,i)perylene
Concen: 2.455 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.04 min
Lab File: BF114910.D
Acq: 8 Jun 2019 00:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.6
138	27.8	19.4	29.2

