

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114946.D
 Acq On : 11 Jun 2019 15:11
 Operator : HP/JU
 Sample : K3250-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 11 16:24:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	253496	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1015501	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	495887	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	871030	20.00	ng	0.00
76) Chrysene-d12	13.79	240	561282	20.00	ng	0.00
87) Perylene-d12	15.20	264	373309	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	293547	19.60	ng	-0.01
7) Phenol-d6	6.30	99	375260	20.77	ng	-0.01
23) Nitrobenzene-d5	7.22	82	219203	13.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	86694	16.07	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	424122	13.57	ng	0.00
79) Terphenyl-d14	12.74	244	359604	12.74	ng	0.00

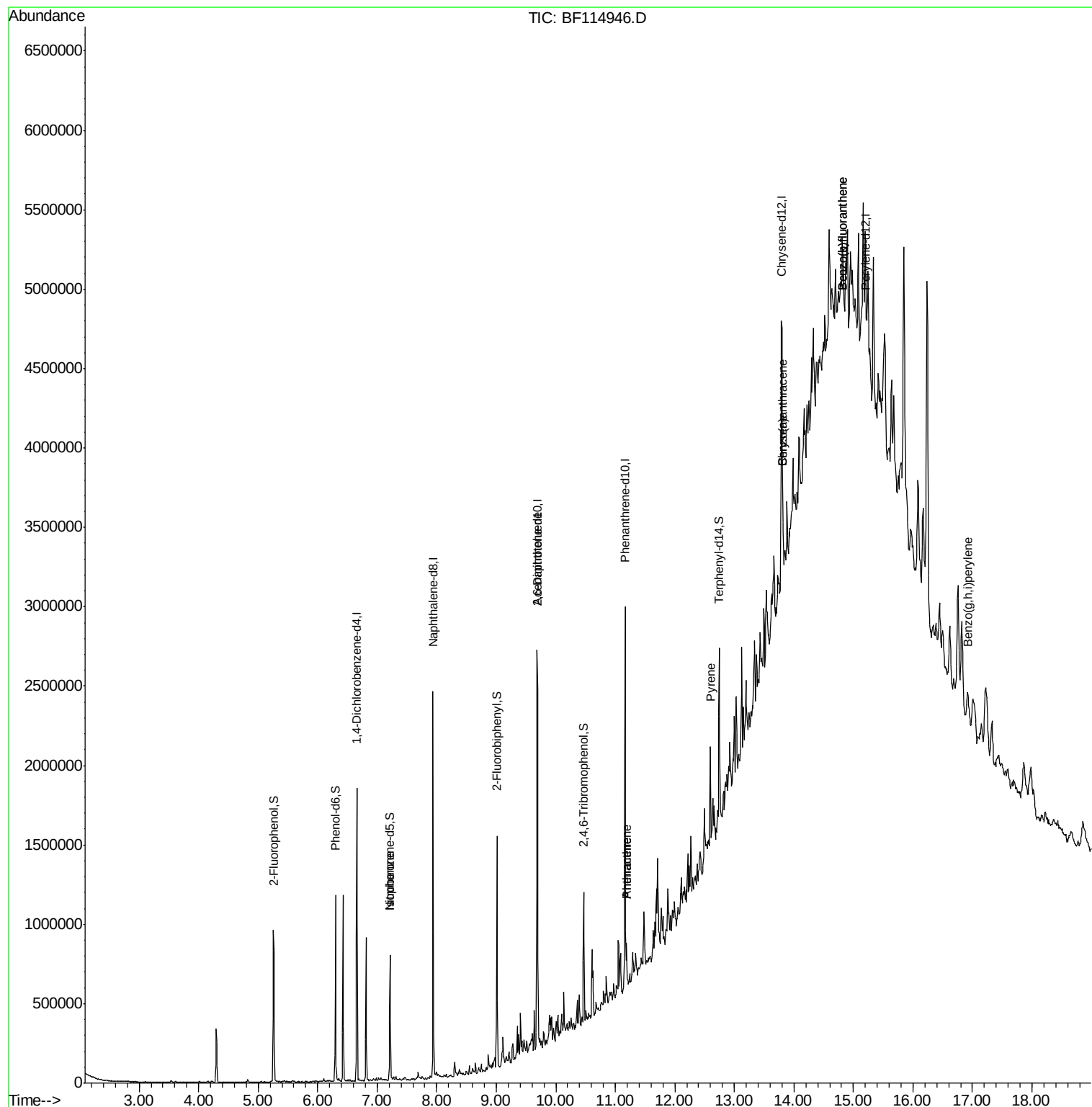
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.22	82	213849	6.607	ng	# 62
51) 2,6-Dinitrotoluene	9.69	165	70747	8.264	ng	# 31
71) Phenanthrene	11.19	178	86918	2.057	ng	97
72) Anthracene	11.19	178	86918	2.026	ng	98
78) Pyrene	12.60	202	298452	6.105	ng	96
81) Benzo(a)anthracene	13.82	228	279992	6.747	ng	# 83
83) Chrysene	13.82	228	279992	6.718	ng	# 89
88) Benzo(b)fluoranthene	14.81	252	69977	2.879	ng	# 26
89) Benzo(k)fluoranthene	14.81	252	69977	3.318	ng	# 27
92) Benzo(g,h,i)perylene	16.92	276	92420	5.200	ng	# 82

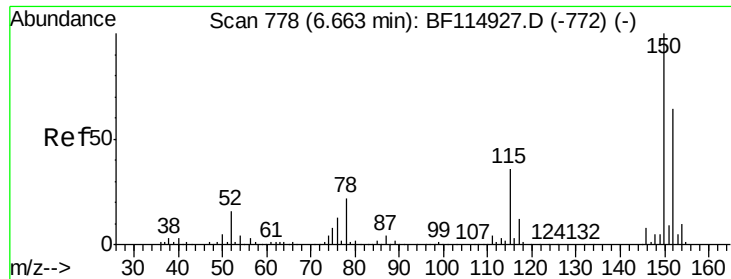
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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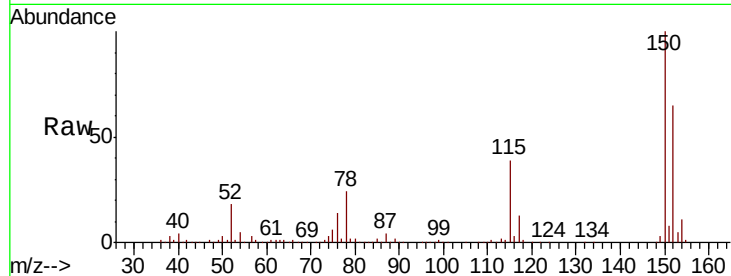


#1

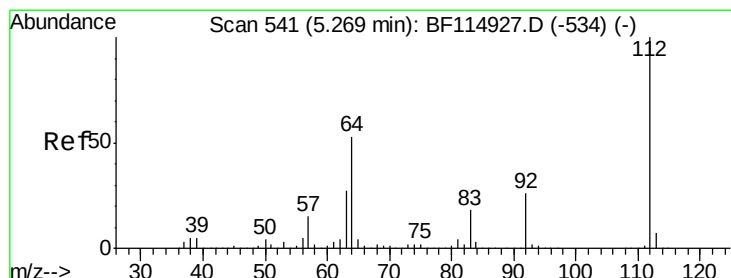
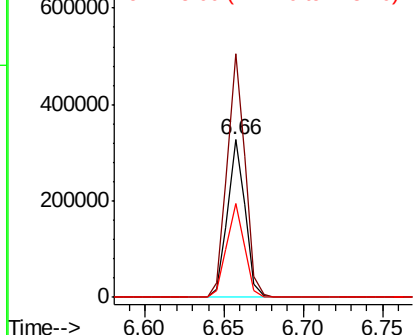
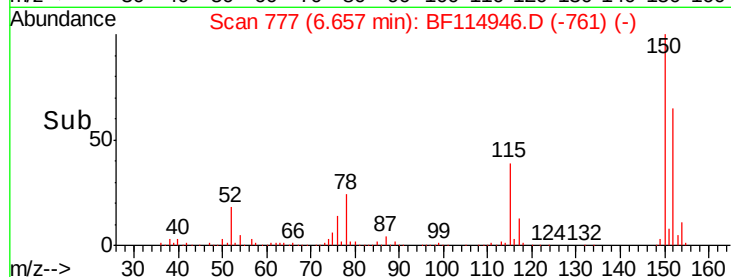
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.2	187.8
115	60.0	45.0	67.4



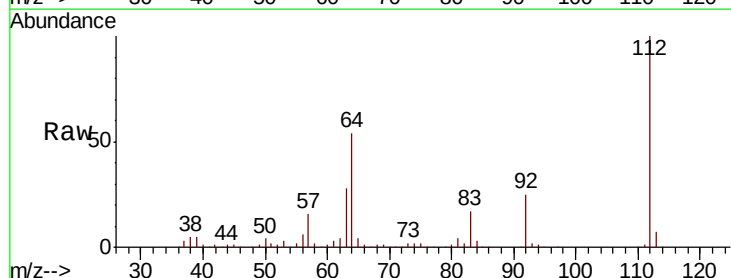
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



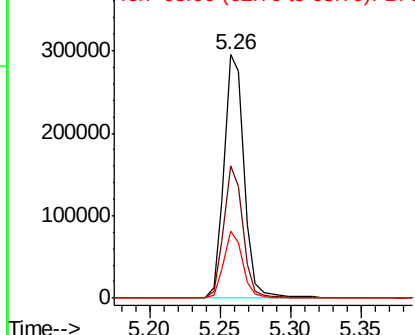
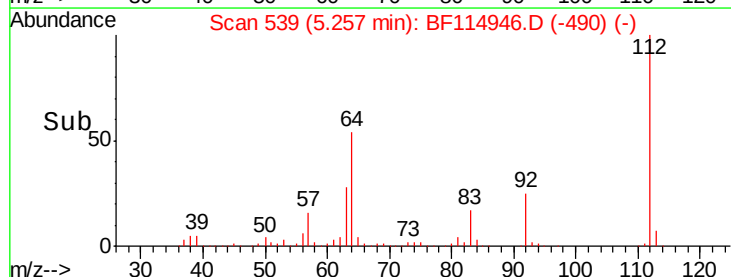
#5

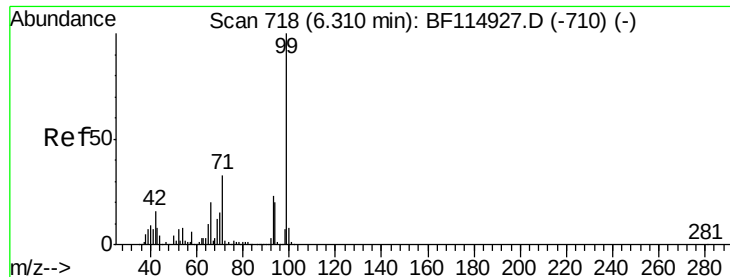
2-Fluorophenol
Concen: 19.598 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.1	63.1
63	27.7	21.8	32.8



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: 20.771 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

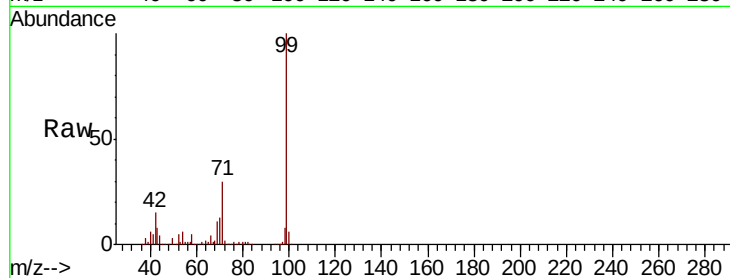
Tot Ion: 99 Resp: 375260

Ion Ratio Lower Upper

99 100

42 15.2 13.1 19.7

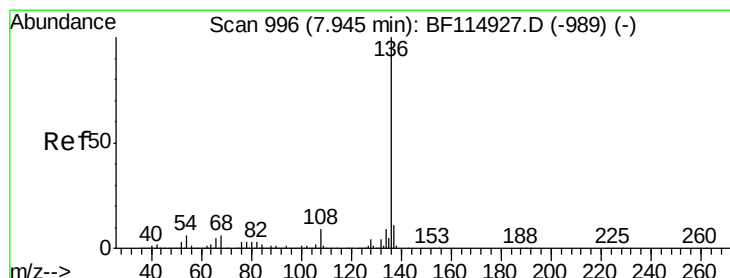
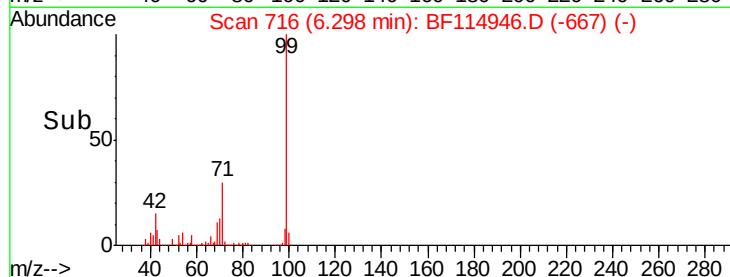
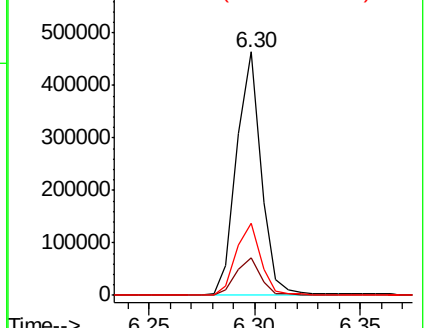
71 29.8 26.8 40.2



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: BF114946.D

Acq: 11 Jun 2019 15:11

Tgt Ion: 136 Resp: 1015501

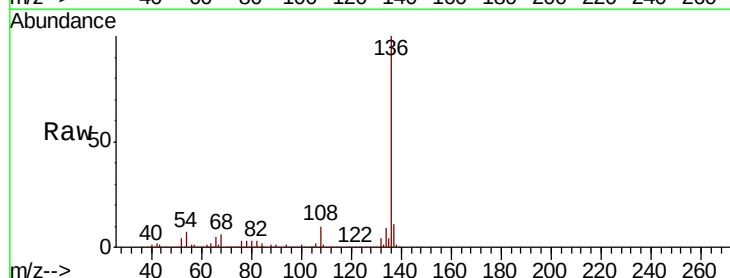
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 7.3 5.2 7.8

68 6.1 4.6 7.0

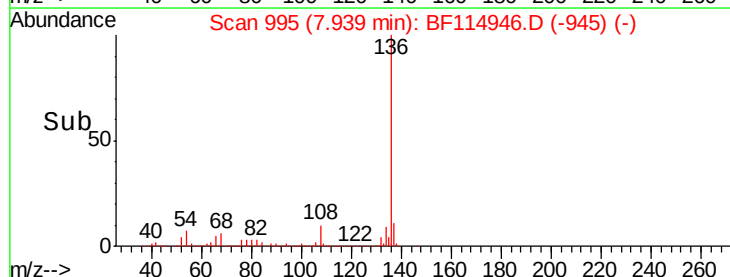
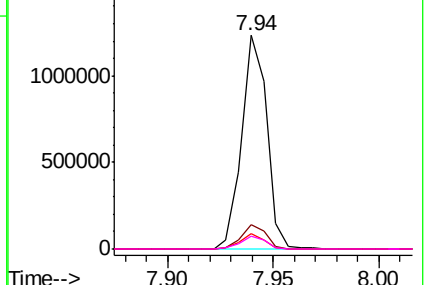


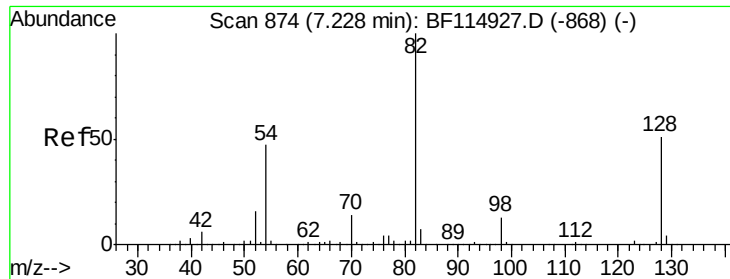
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

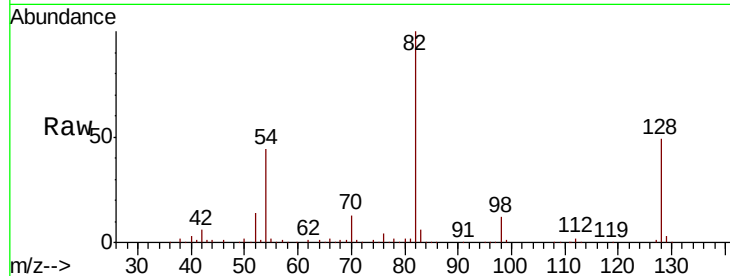




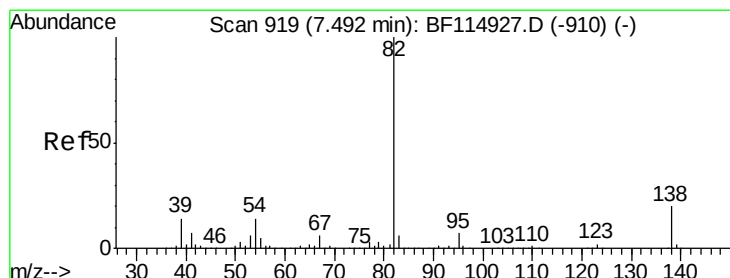
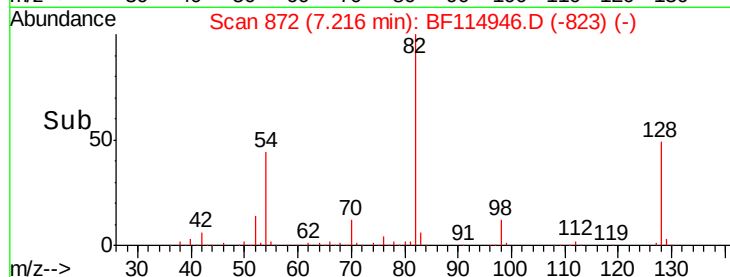
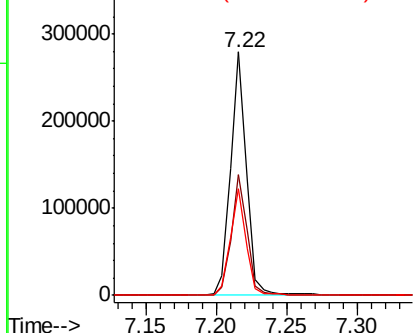
#23
 Nitrobenzene-d5
 Concen: 13.263 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BF114946.D
 Acq: 11 Jun 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	219203
Ion Ratio	Lower	Upper	
82	100		
128	49.4	40.9	61.3
54	43.6	37.4	56.0

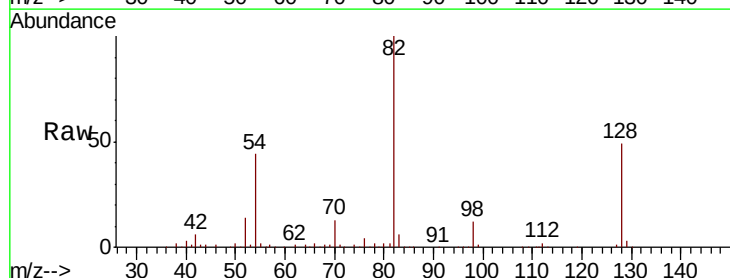


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

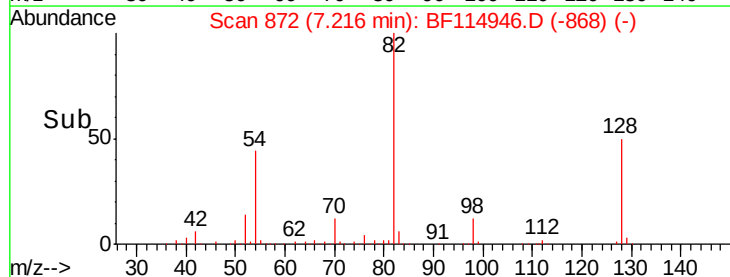
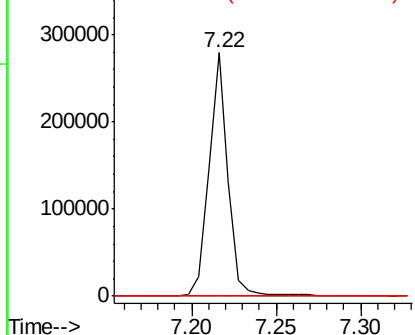


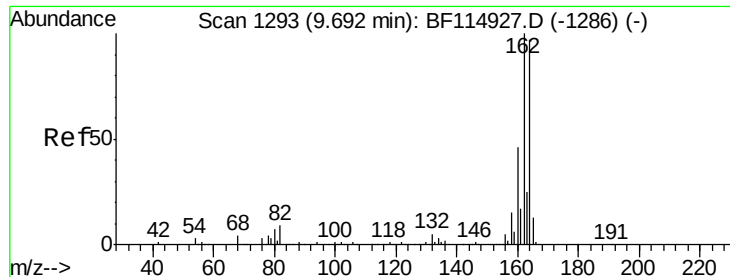
#25
 Isophorone
 Concen: 6.607 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.28 min
 Lab File: BF114946.D
 Acq: 11 Jun 2019 15:11

Tgt Ion	82	Resp	213849
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.7	8.5#
138	0.0	16.4	24.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

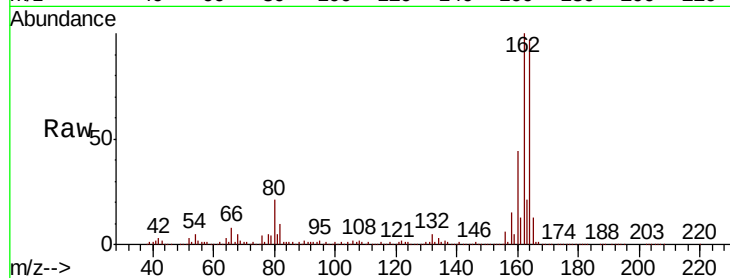




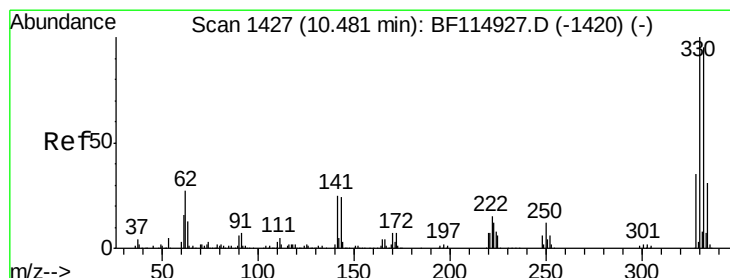
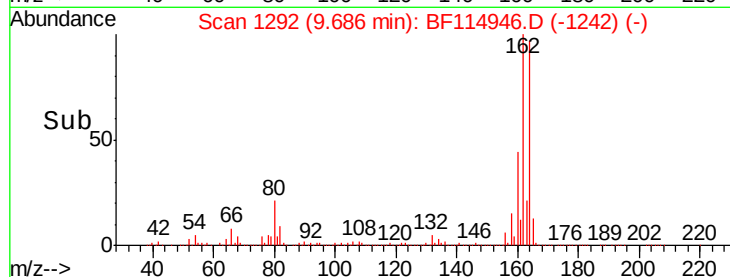
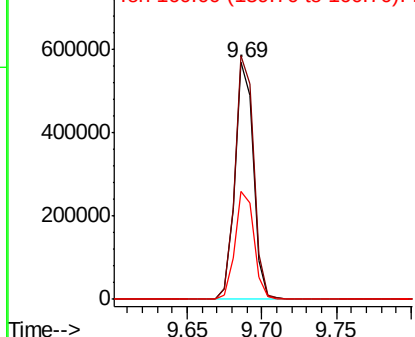
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF114946.D
 Acq: 11 Jun 2019 15:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.4	123.6
160	45.4	37.5	56.3

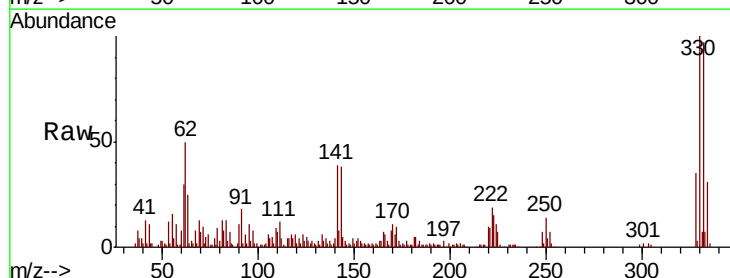


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

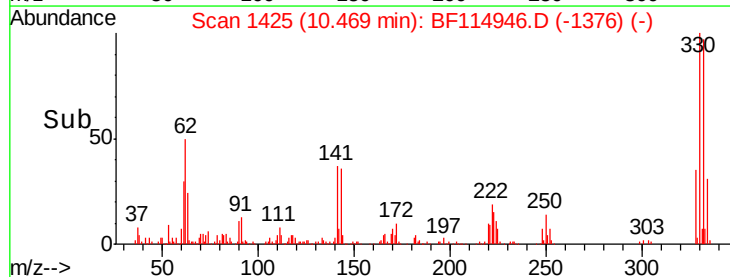
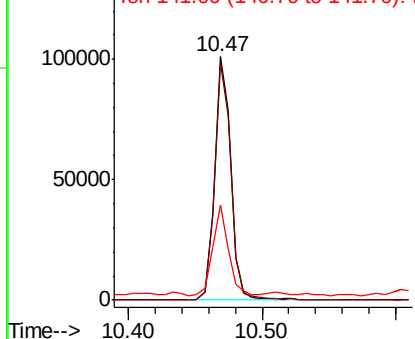


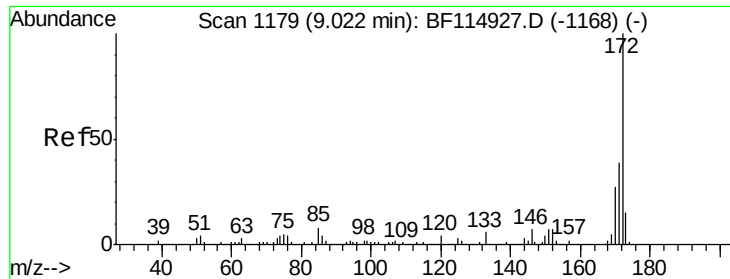
#42
 2,4,6-Tribromophenol
 Concen: 16.071 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114946.D
 Acq: 11 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.4	114.6
141	35.4	26.8	40.2



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

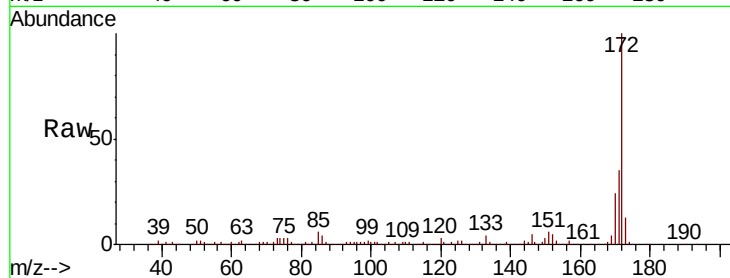




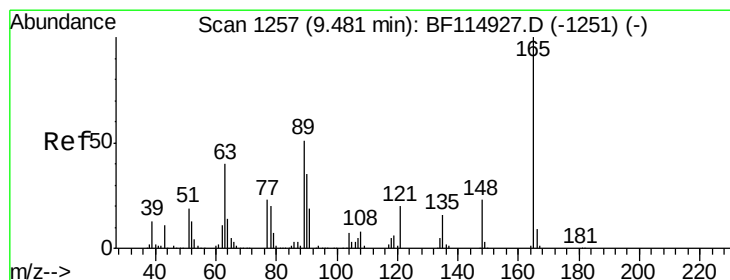
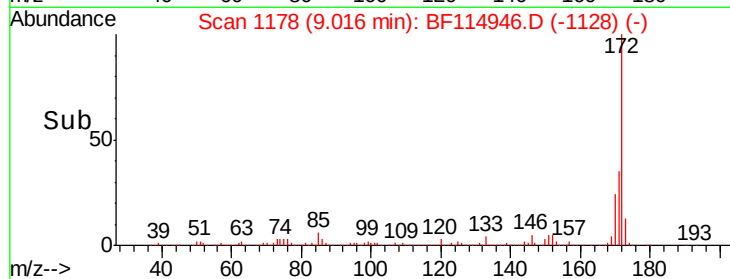
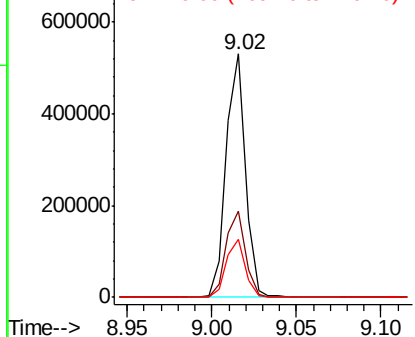
#45
2-Fluorobiphenyl
Concen: 13.574 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 424122
Ion Ratio Lower Upper
172 100
171 35.5 31.3 46.9
170 23.9 21.4 32.0

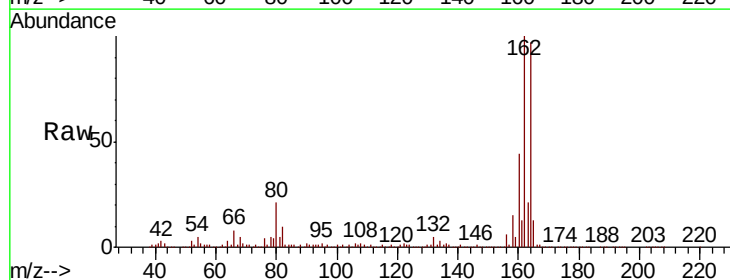


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

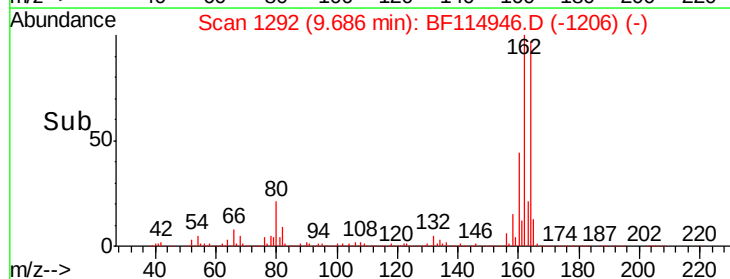
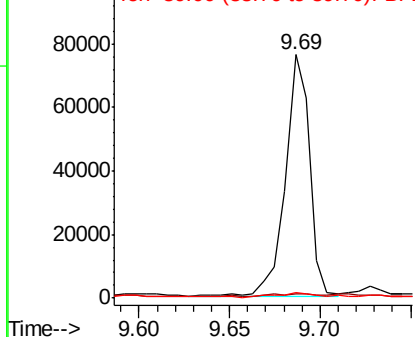


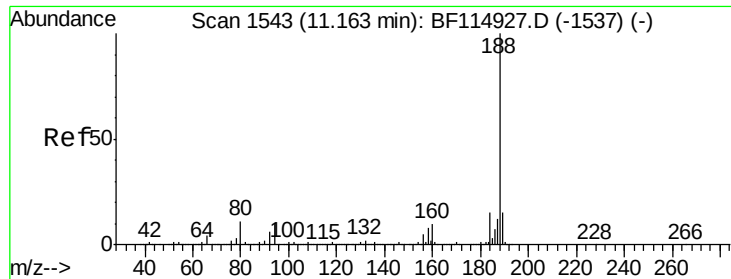
#51
2,6-Dinitrotoluene
Concen: 8.264 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.21 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion:165 Resp: 70747
Ion Ratio Lower Upper
165 100
63 1.8 38.3 57.5#
89 2.5 40.8 61.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

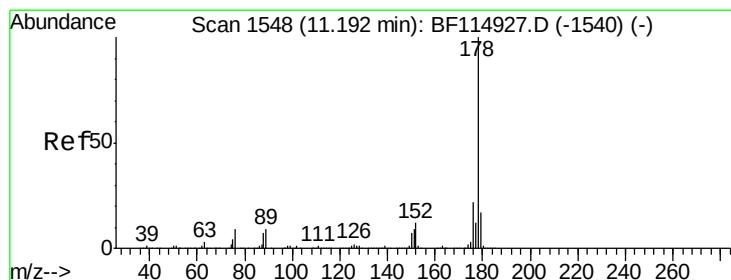
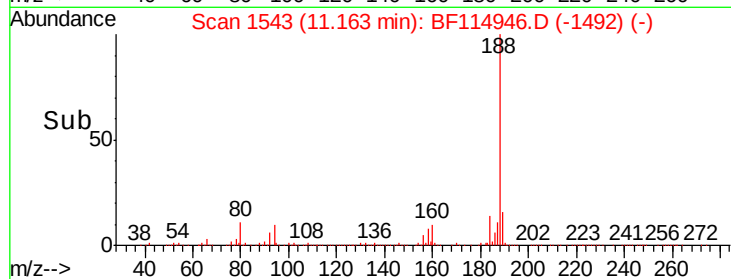
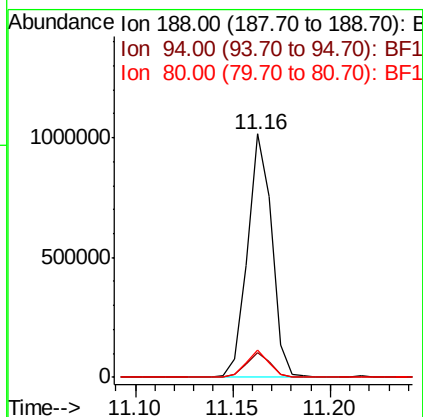
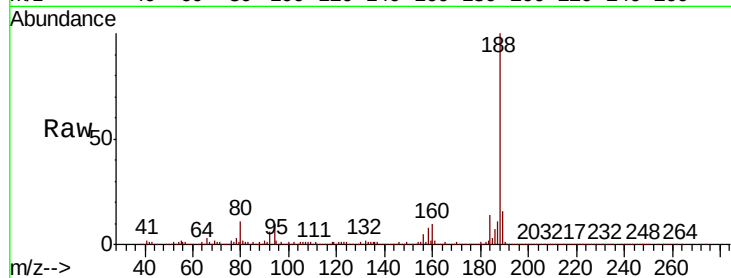




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

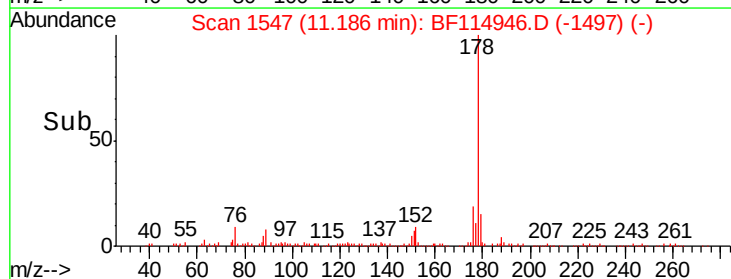
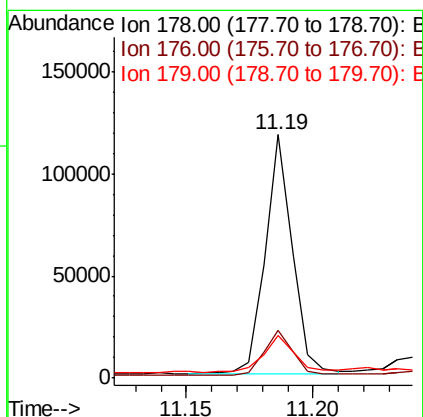
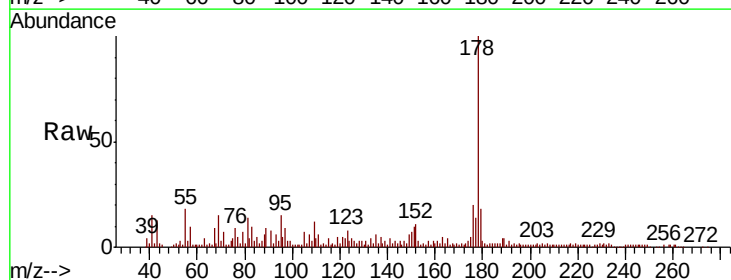
Instrument :
BNA_F
ClientSampled :

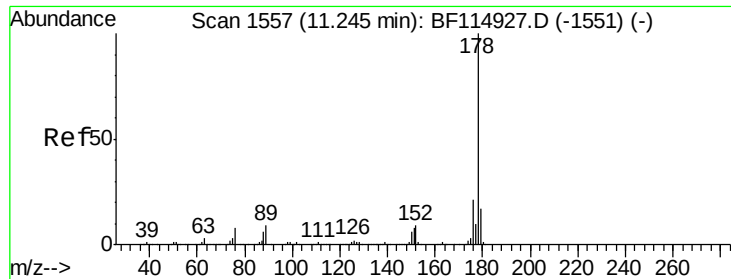
Tot Ion:188 Resp: 871030
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 11.1 8.6 12.8



#71
Phenanthrene
Concen: 2.057 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion:178 Resp: 86918
Ion Ratio Lower Upper
178 100
176 19.8 17.4 26.2
179 17.6 13.6 20.4





#72

Anthracene

Concen: 2.026 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.06 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

Instrument :

BNA_F

ClientSampleId :

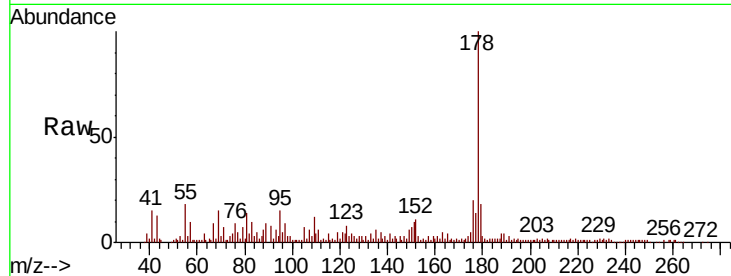
Tot Ion:178 Resp: 86918

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

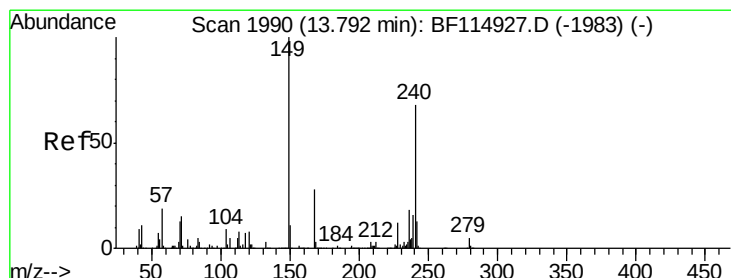
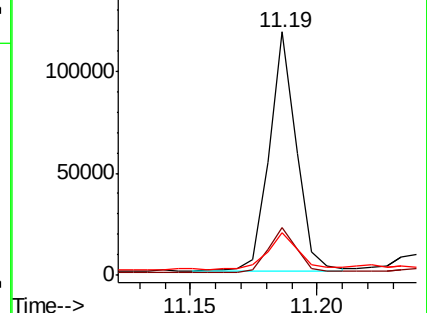
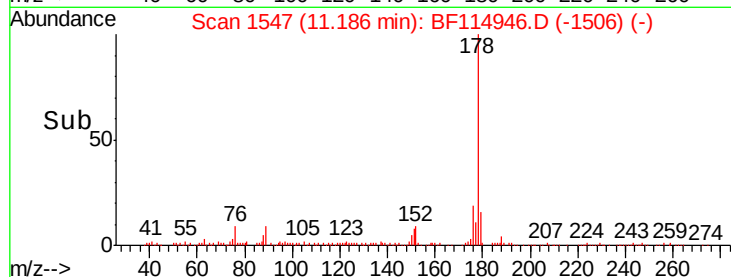
179 17.6 13.4 20.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BF114946.D

Acq: 11 Jun 2019 15:11

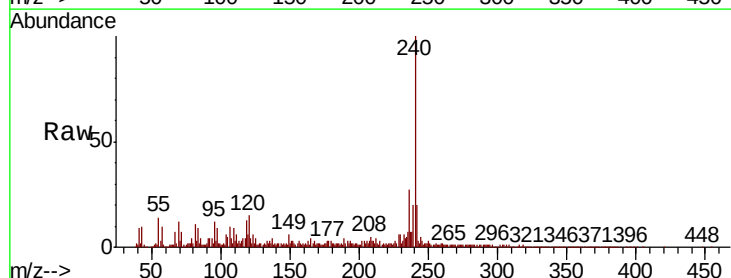
Tgt Ion:240 Resp: 561282

Ion Ratio Lower Upper

240 100

120 14.6 9.2 13.8#

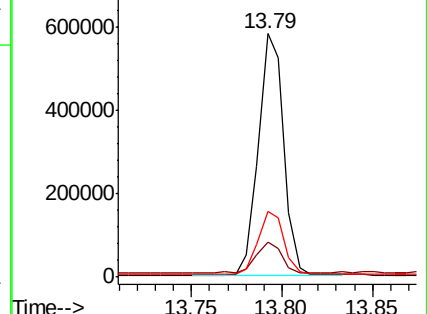
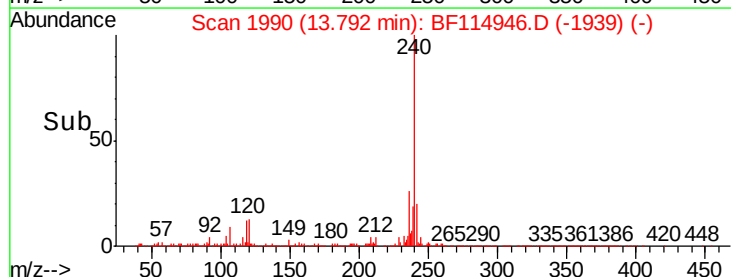
236 27.2 21.7 32.5

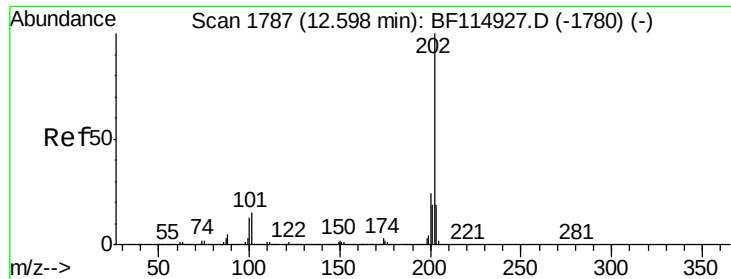


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

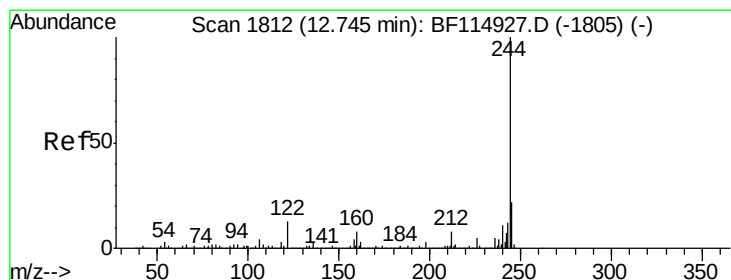
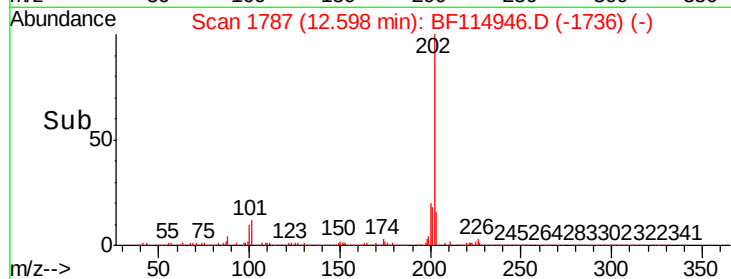
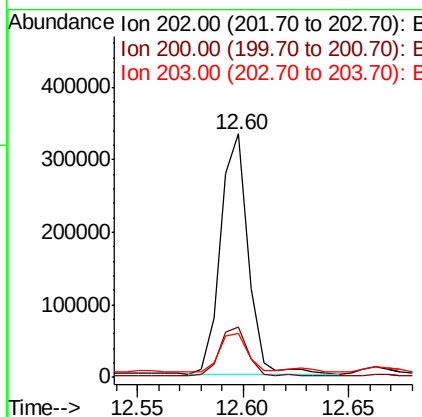
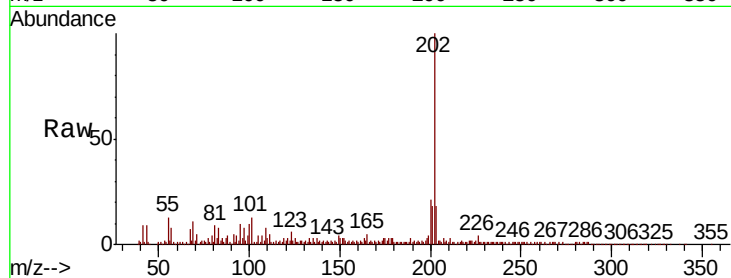




#78
Pvrene
Concen: 6.105 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

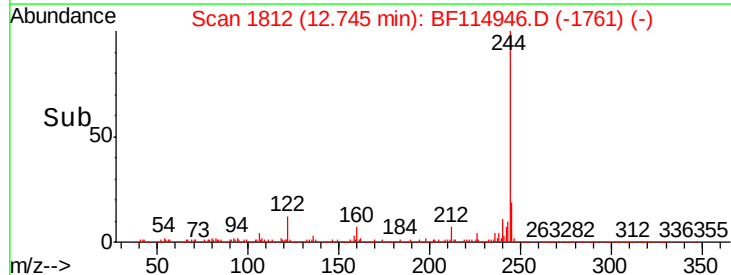
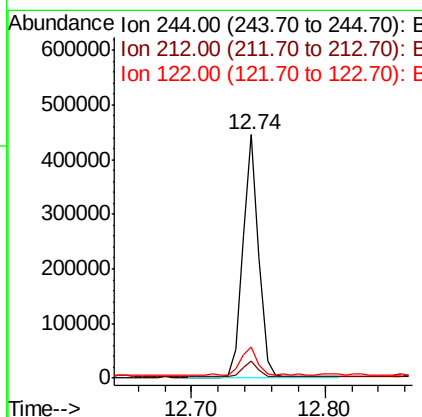
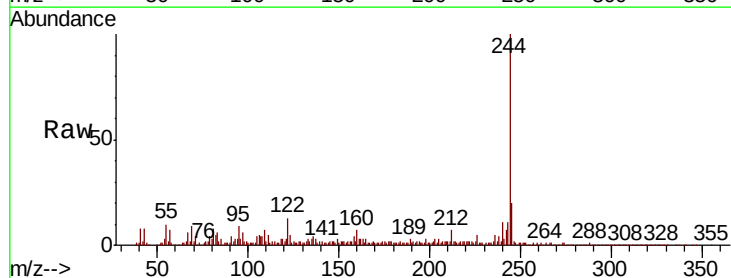
Instrument :
BNA_F
ClientSampleId :

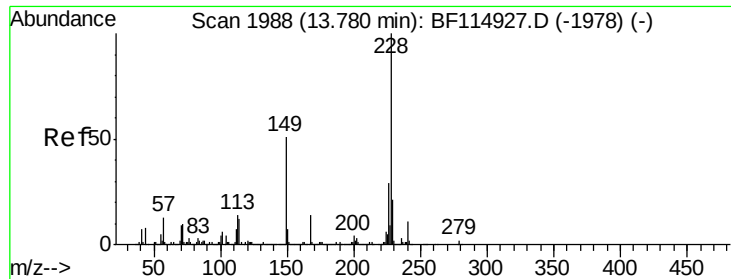
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.9	28.3
203	17.9	15.2	22.8



#79
Terphenyl-d14
Concen: 12.741 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	12.9	10.2	15.4

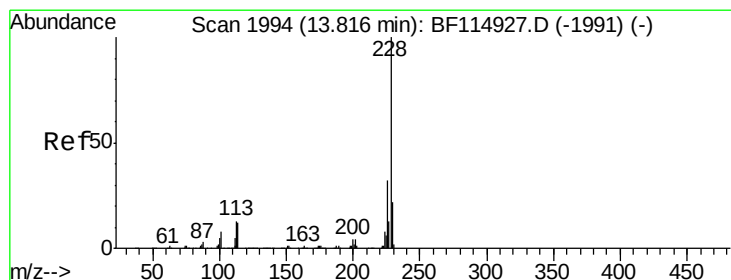
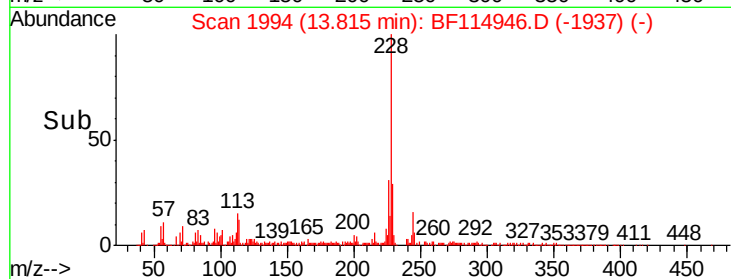
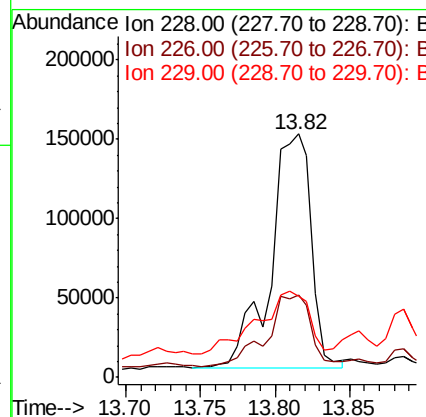
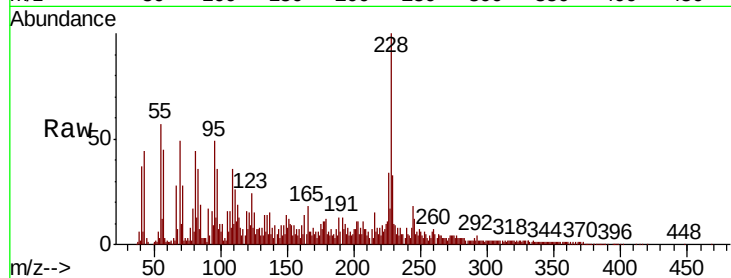




#81
Benzo(a)anthracene
Concen: 6.747 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.04 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

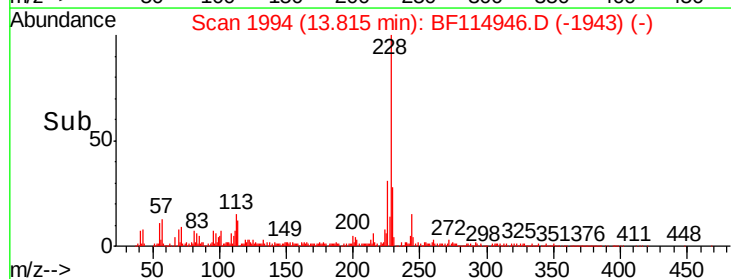
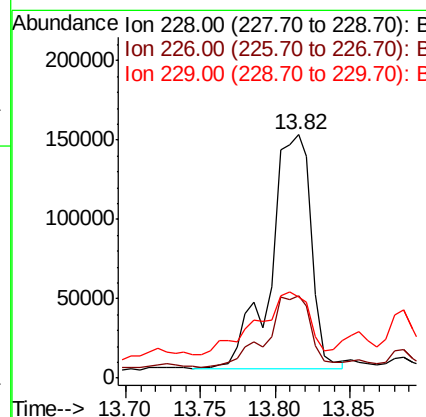
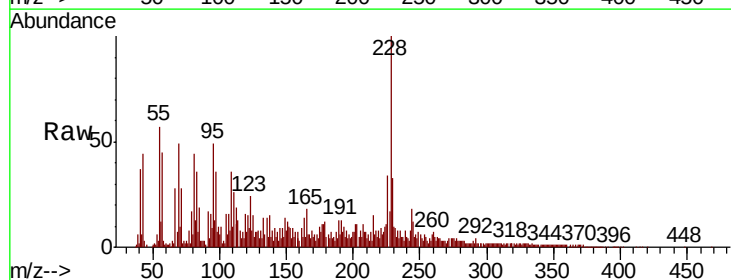
Instrument :
BNA_F
ClientSampleId :

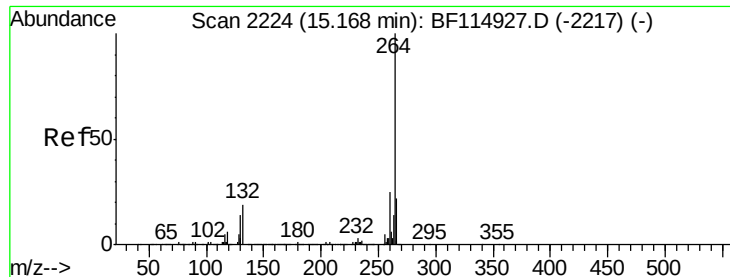
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.8	34.2
229	33.1	16.6	25.0



#83
Chrysene
Concen: 6.718 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	25.8	38.8
229	33.1	17.2	25.8

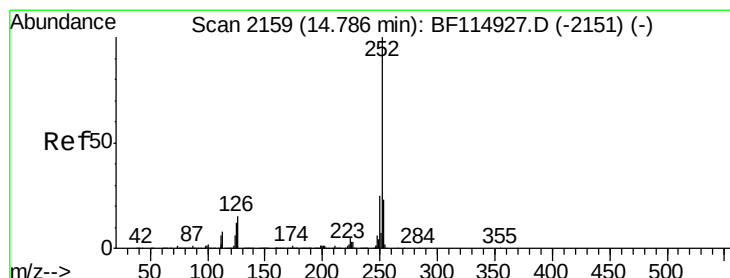
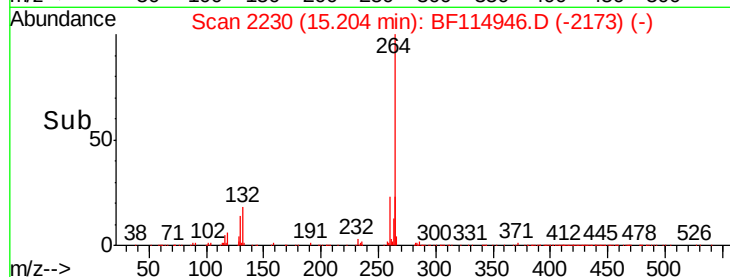
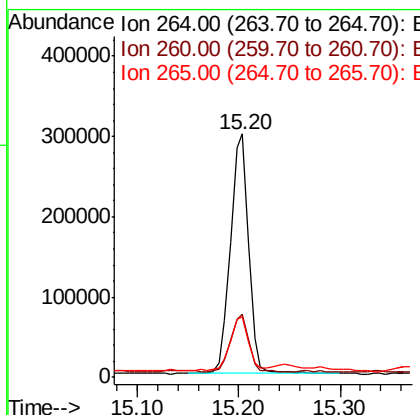
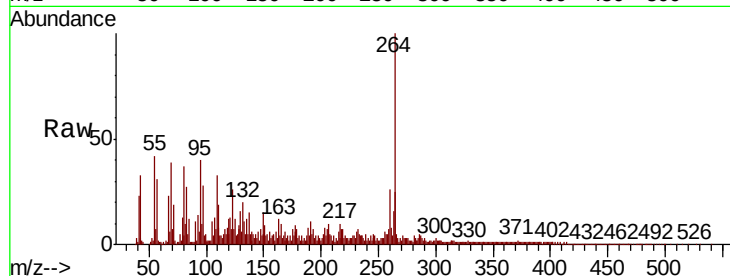




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.04 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

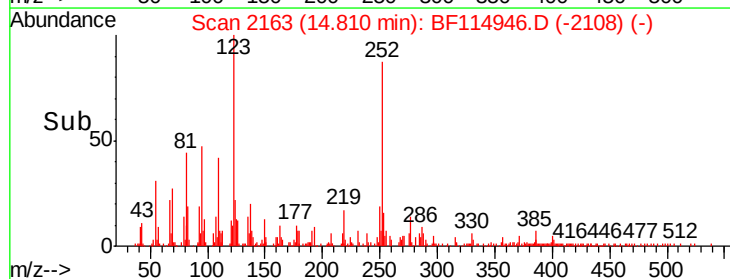
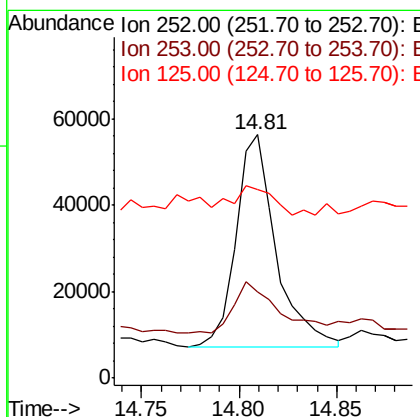
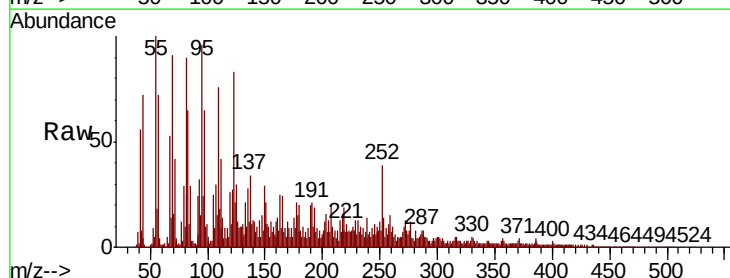
Instrument :
BNA_F
ClientSampleId :

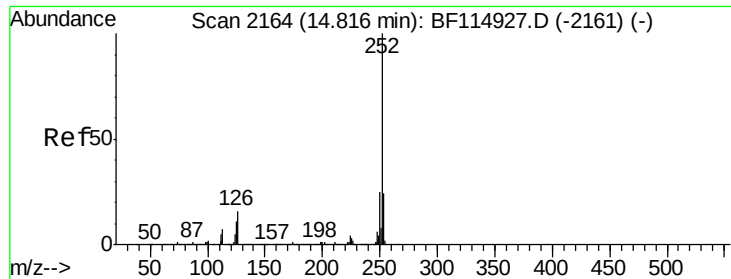
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.7	29.5
265	25.0	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 2.879 ng
RT: 14.81 min Scan# 2163
Delta R.T. 0.02 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.6	18.6	28.0#
125	77.3	9.5	14.3#

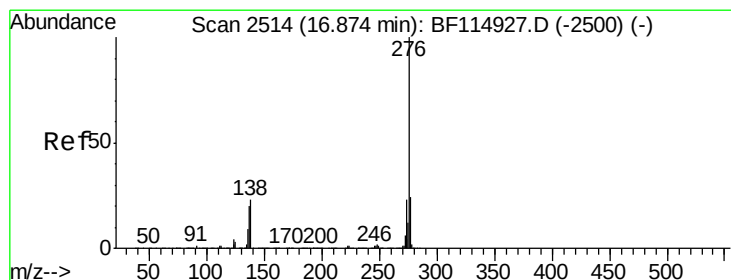
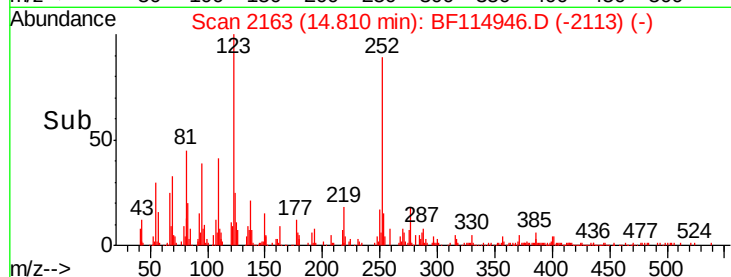
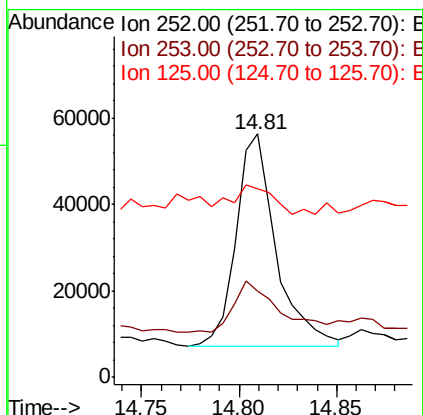
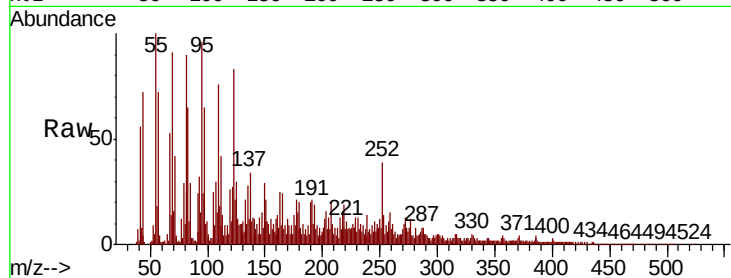




#89
Benzo(k)fluoranthene
Concen: 3.318 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 69977
Ion Ratio Lower Upper
252 100
253 35.6 18.6 28.0#
125 77.3 9.2 13.8#



#92
Benzo(g,h,i)perylene
Concen: 5.200 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.04 min
Lab File: BF114946.D
Acq: 11 Jun 2019 15:11

Tgt Ion:276 Resp: 92420
Ion Ratio Lower Upper
276 100
277 28.1 19.0 28.6
138 36.3 18.7 28.1#

