

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114840.D
 Acq On : 6 Jun 2019 1:15
 Operator : HP/JU
 Sample : K3182-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:05:06 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	6.67	152	347599	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1324797	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	672050	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1308720	20.00	ng	0.00
76) Chrysene-d12	13.79	240	902519	20.00	ng	0.00
87) Perylene-d12	15.17	264	943633	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	2382310	119.76	ng	0.02
7) Phenol-d6	6.31	99	2940663	121.49	ng	0.00
23) Nitrobenzene-d5	7.23	82	1850932	86.01	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	891388	123.08	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3099339	86.39	ng	0.00
79) Terphenyl-d14	12.76	244	3336626	71.90	ng	0.00

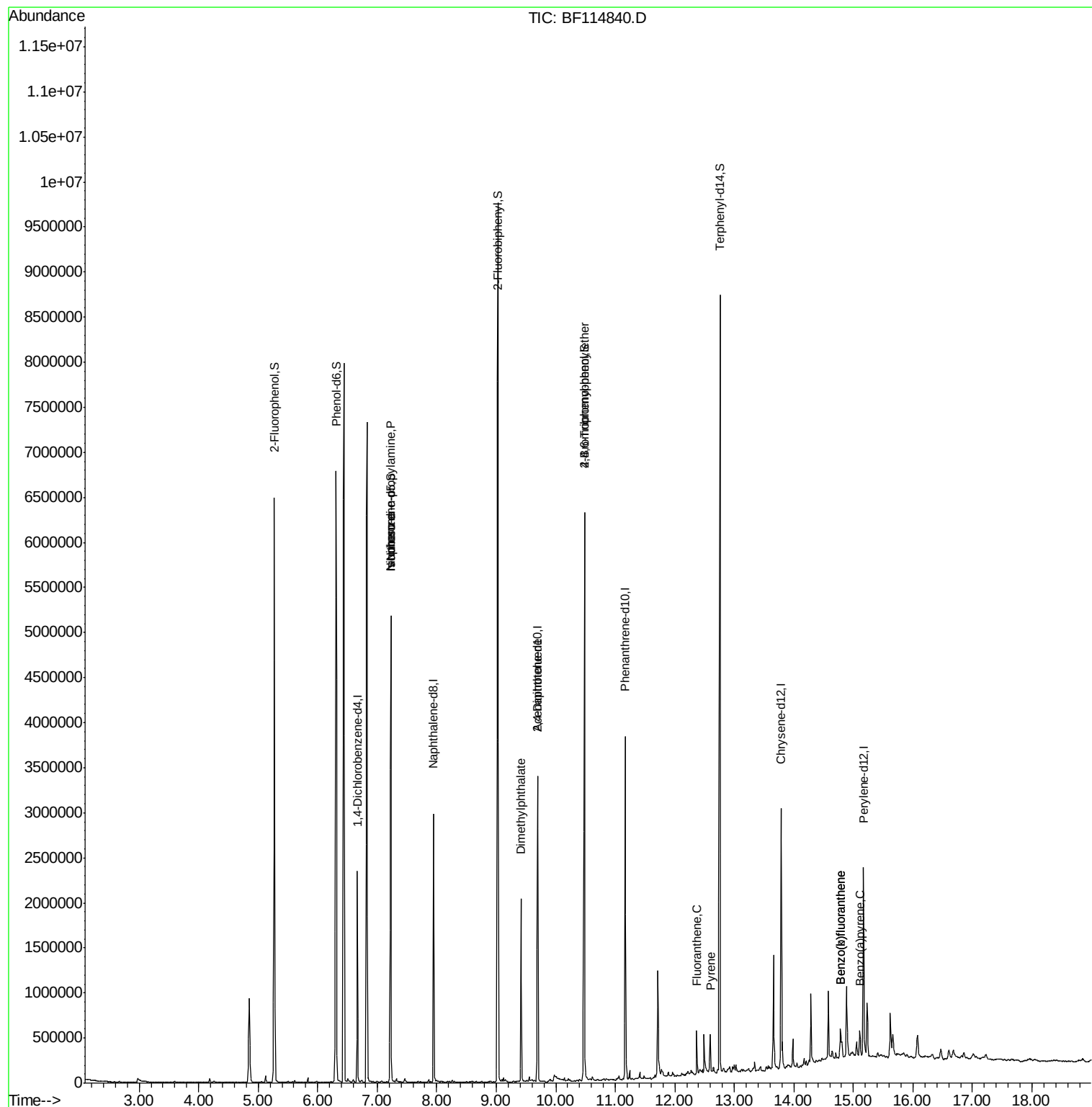
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	252644	15.767	ng	# 79
25) Isophorone	7.23	82	1836160	43.157	ng	# 61
50) Dimethylphthalate	9.42	163	757194	15.426	ng	99
57) 2,4-Dinitrotoluene	9.69	165	87272	6.014	ng	# 32
58) Fluorene	10.23	166	3870	Below Cal		# 94
67) 4-Bromophenyl-phenylether	10.48	248	56951	3.832	ng	# 1
75) Fluoranthene	12.37	202	191411	2.944	ng	96
78) Pyrene	12.60	202	171294	2.188	ng	95
88) Benzo(b)fluoranthene	14.78	252	222094	3.697	ng	96
89) Benzo(k)fluoranthene	14.78	252	222094	4.353	ng	96
90) Benzo(a)pyrene	15.11	252	114513	2.202	ng	98

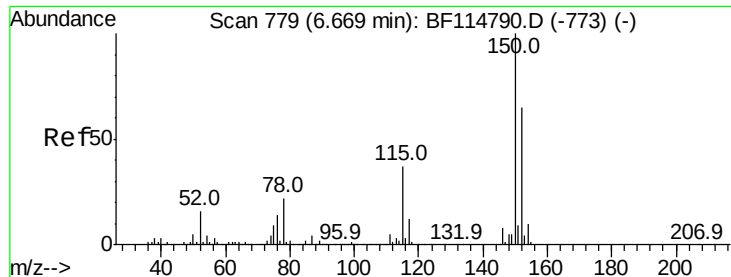
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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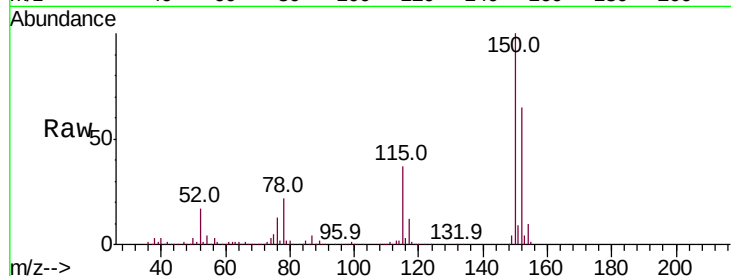


#1

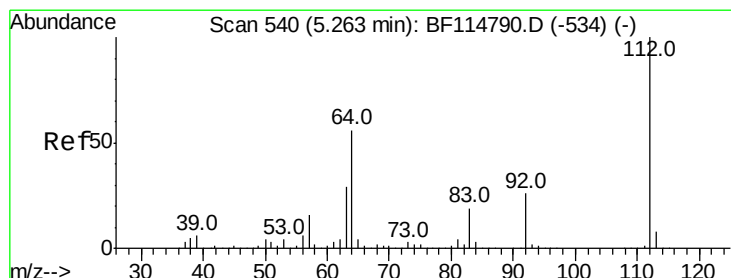
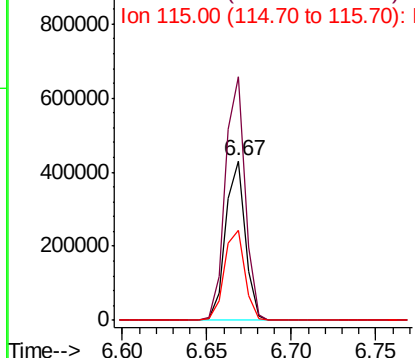
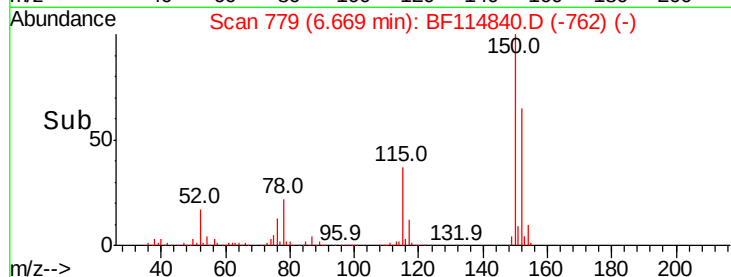
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114840.D
Acq: 6 Jun 2019 1:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 347599
Ion Ratio Lower Upper
152 100
150 153.0 124.0 186.0
115 56.4 46.3 69.5



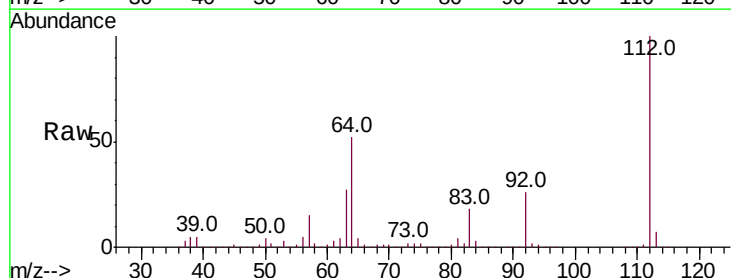
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



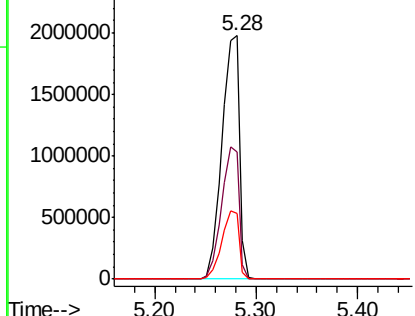
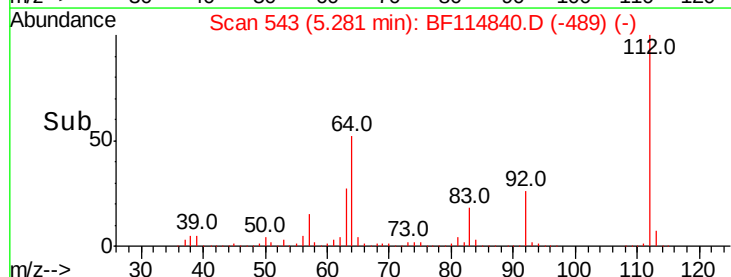
#5

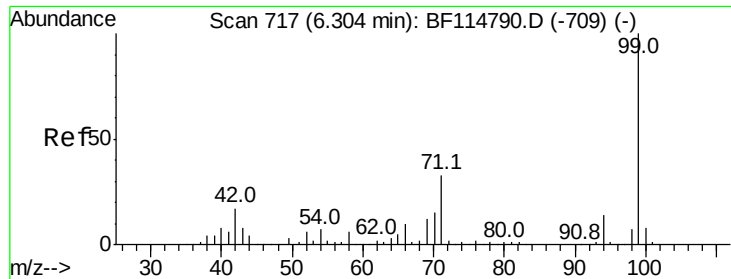
2-Fluorophenol
Concen: 119.757 ng
RT: 5.28 min Scan# 543
Delta R.T. 0.02 min
Lab File: BF114840.D
Acq: 6 Jun 2019 1:15

Tgt Ion:112 Resp: 2382310
Ion Ratio Lower Upper
112 100
64 52.4 44.6 66.8
63 26.9 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: 121.486 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Instrument :

BNA_F

ClientSampleId :

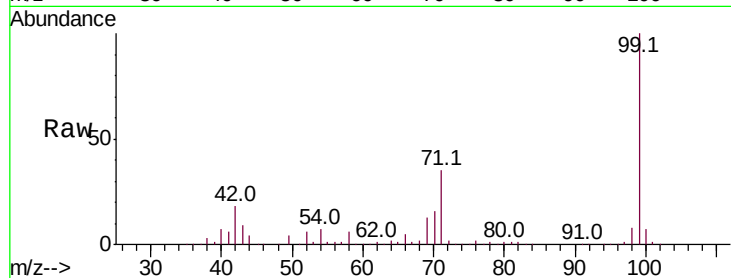
Tot Ion: 99 Resp: 2940663

Ion Ratio Lower Upper

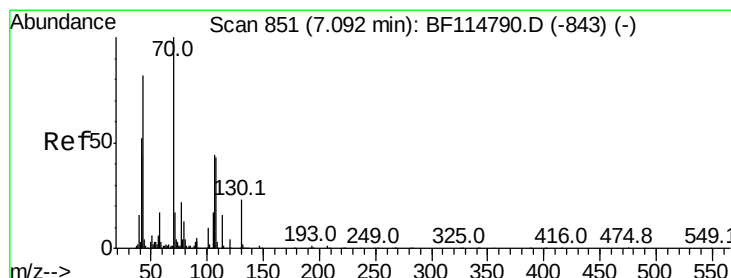
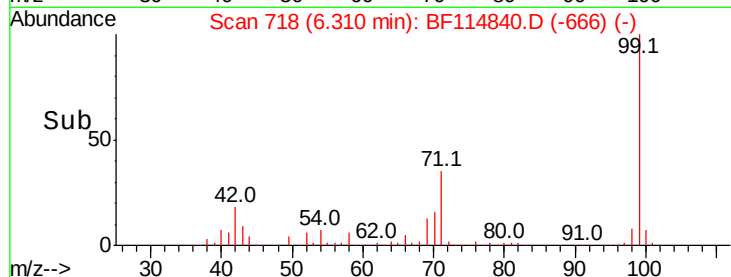
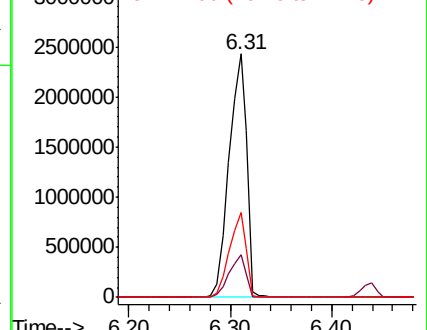
99 100

42 17.5 13.3 19.9

71 34.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.767 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Tgt Ion: 70 Resp: 252644

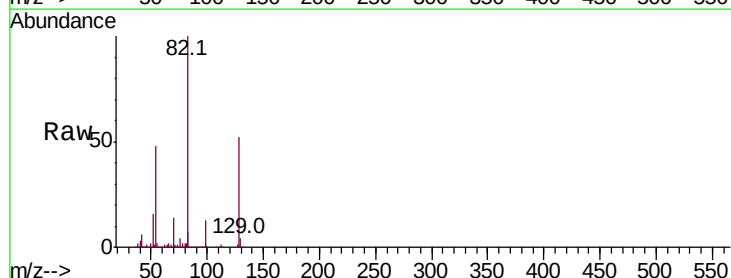
Ion Ratio Lower Upper

70 100

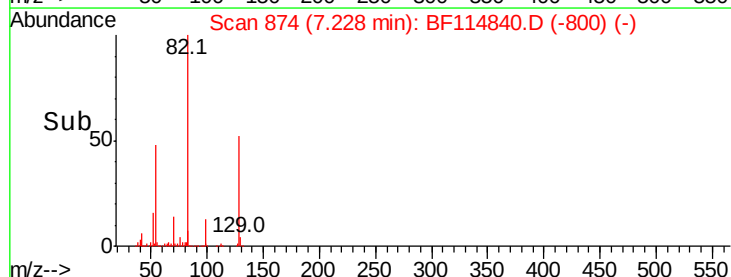
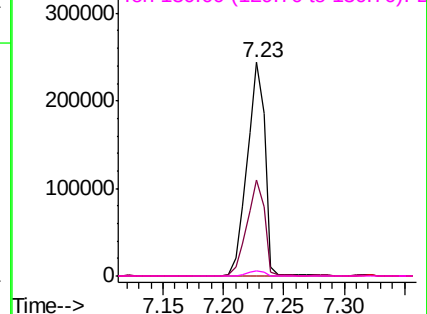
42 45.0 41.8 62.8

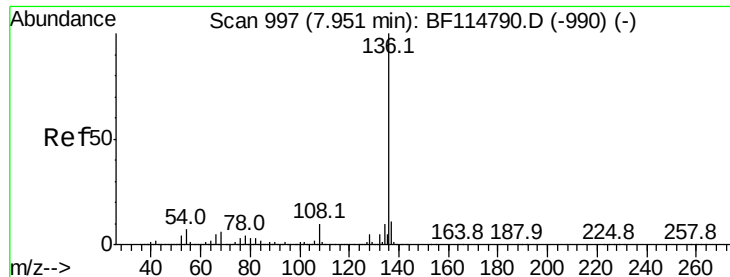
101 0.0 8.2 12.4#

130 2.7 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

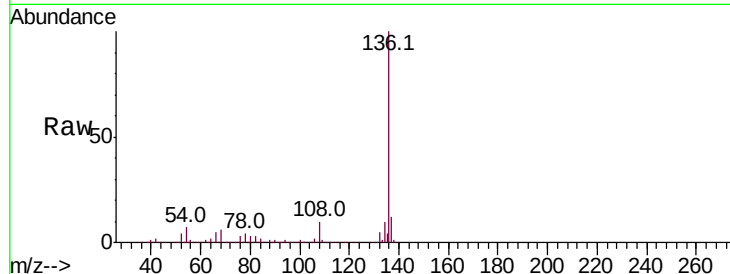




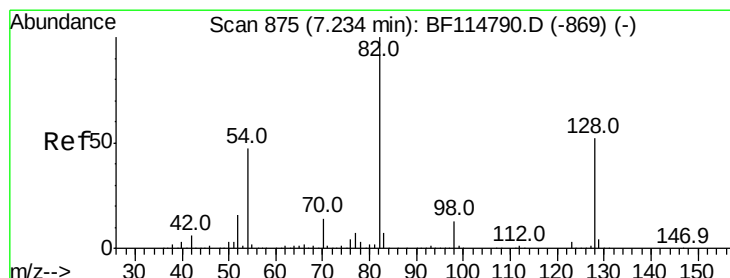
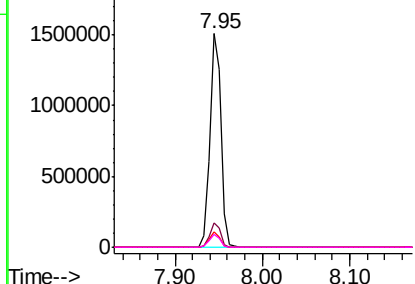
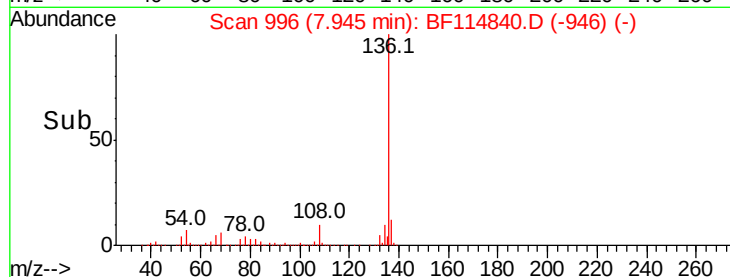
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114840.D
Acq: 6 Jun 2019 1:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 1324797
Ion Ratio	Lower Upper
136 100	
137 11.5	9.1 13.7
54 7.2	5.4 8.0
68 6.2	4.6 6.8

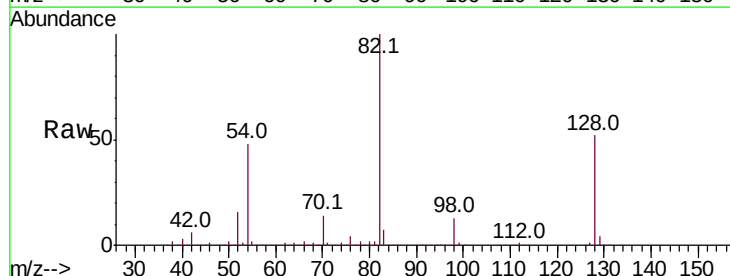


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

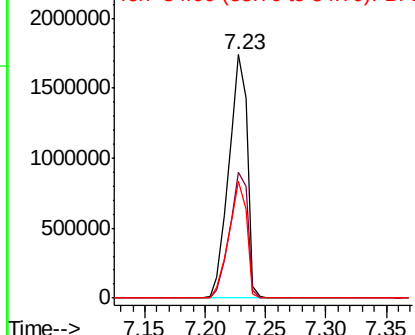
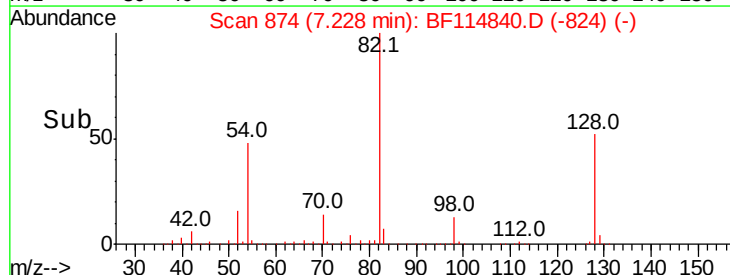


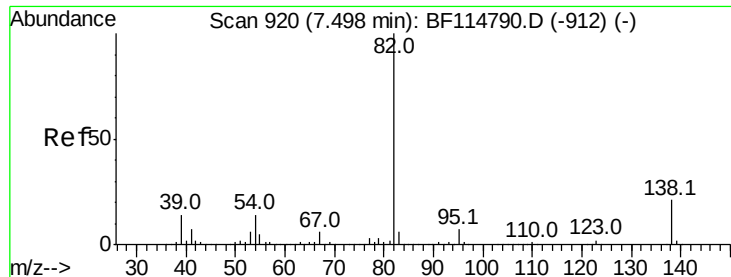
#23
Nitrobenzene-d5
Concen: 86.006 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114840.D
Acq: 6 Jun 2019 1:15

Tgt	Ion: 82	Resp: 1850932	
Ion	Ratio	Lower	Upper
82	100		
128	51.8	41.8	62.6
54	48.2	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





#25

Isophorone

Concen: 43.157 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Instrument :

BNA_F

ClientSampled :

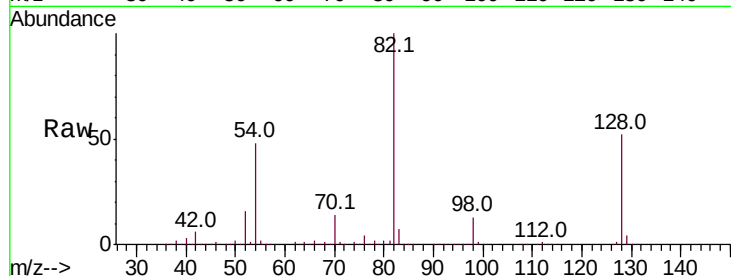
Tot Ion: 82 Resp: 1836160

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

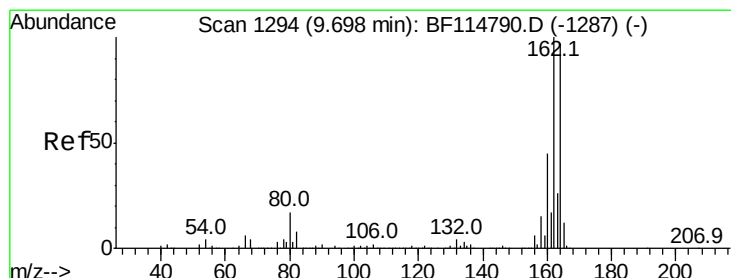
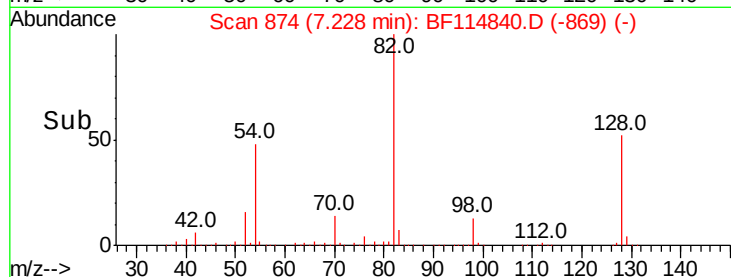
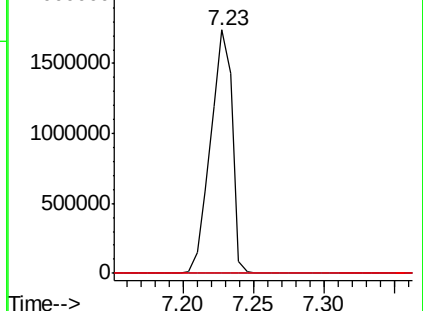
138 0.0 16.9 25.3#



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# 1293

Delta R.T. -0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

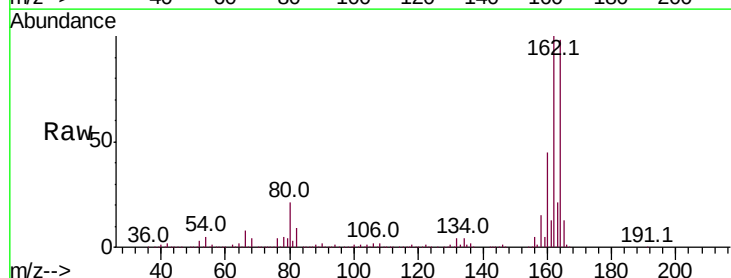
Tgt Ion:164 Resp: 672050

Ion Ratio Lower Upper

164 100

162 102.0 82.3 123.5

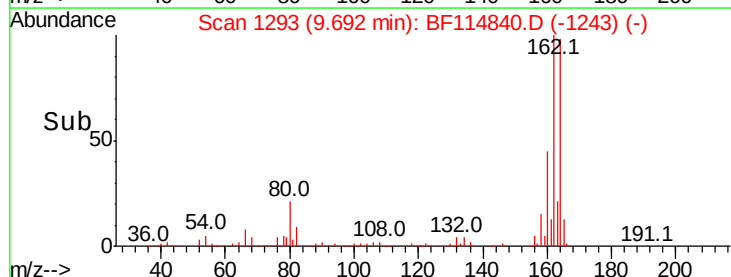
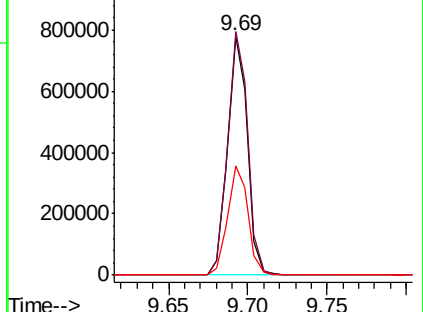
160 45.7 36.7 55.1

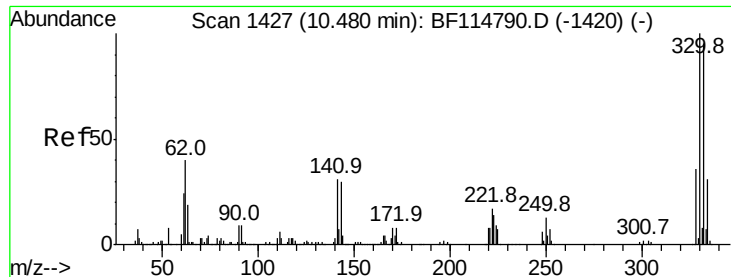


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

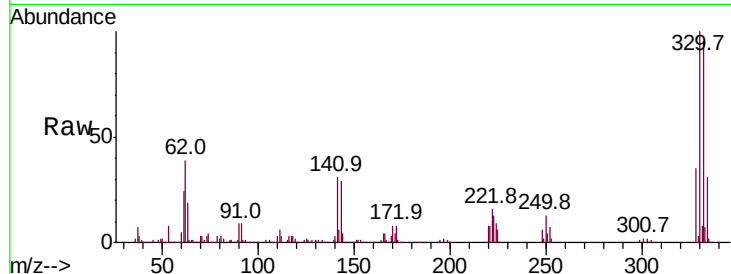




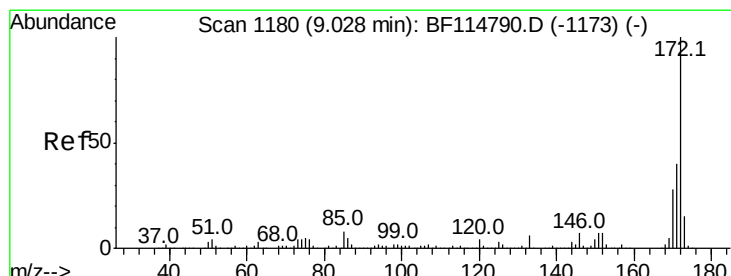
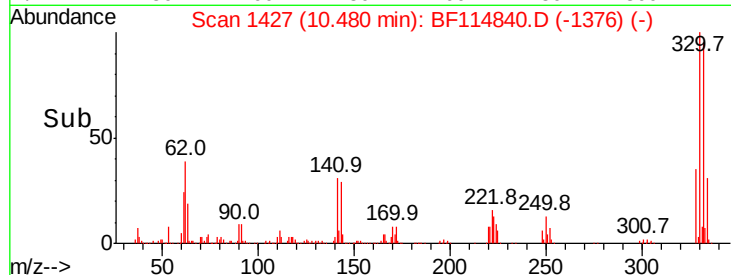
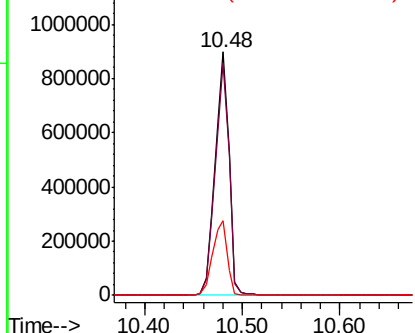
#42
 2,4,6-Tribromophenol
 Concen: 123.079 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: BF114840.D
 Acq: 6 Jun 2019 1:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	32.2	26.2	39.4

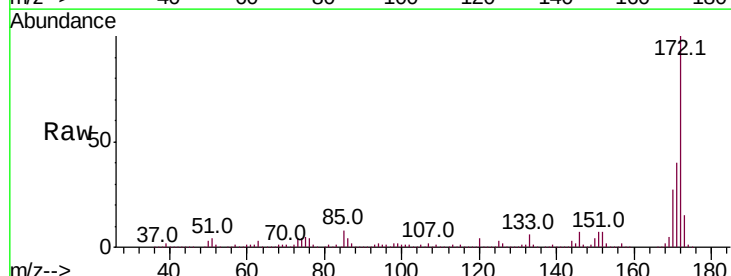


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

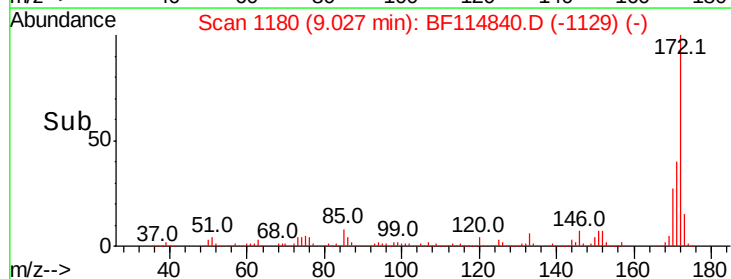
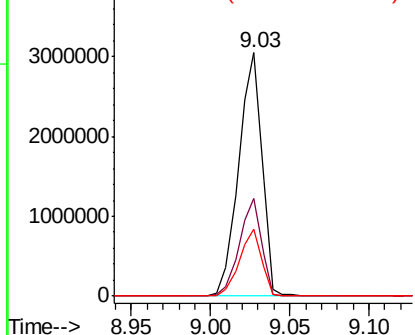


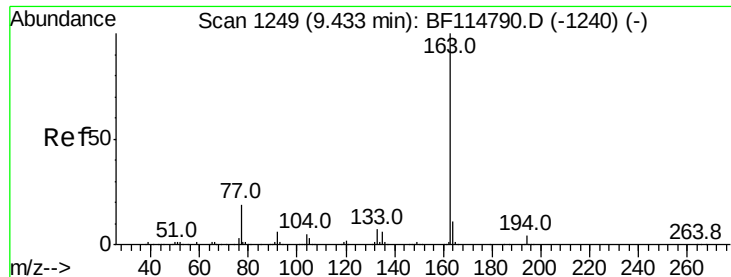
#45
 2-Fluorobiphenyl
 Concen: 86.391 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF114840.D
 Acq: 6 Jun 2019 1:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.2	32.3	48.5
170	27.5	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

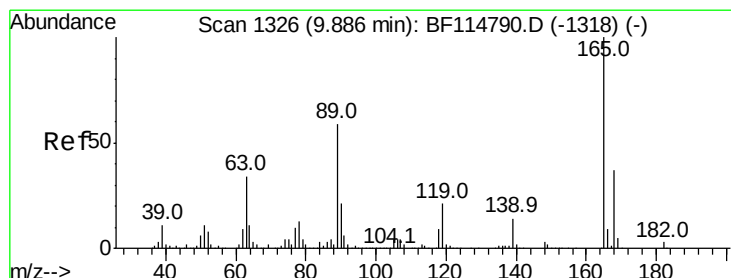
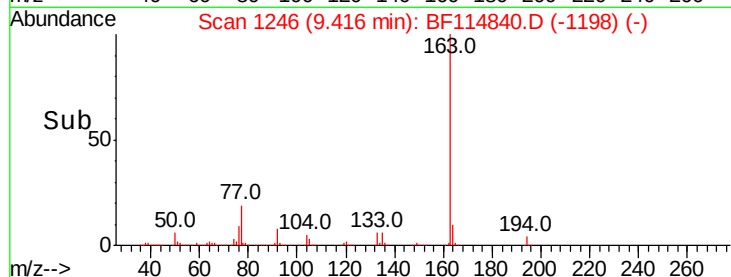
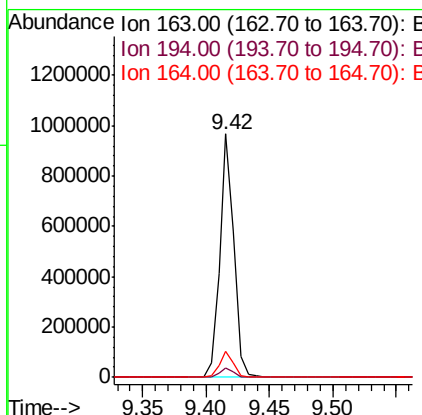
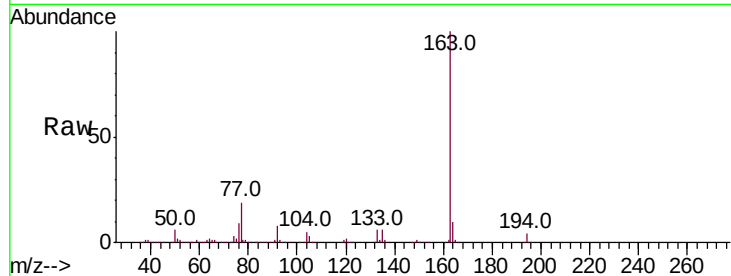




#50
 Dimethylphthalate
 Concen: 15.426 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: BF114840.D
 Acq: 6 Jun 2019 1:15

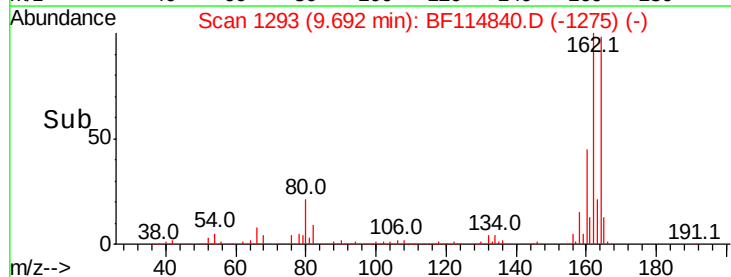
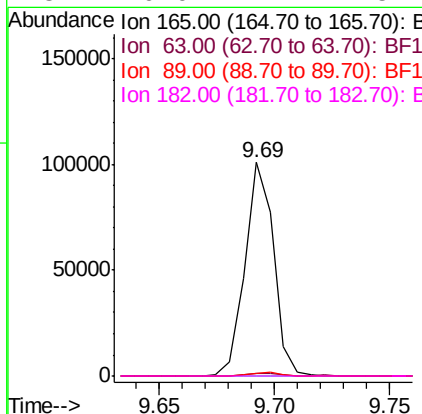
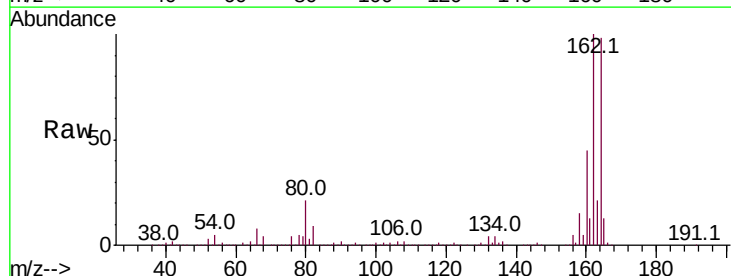
Instrument :
 BNA_F
 ClientSampleId :

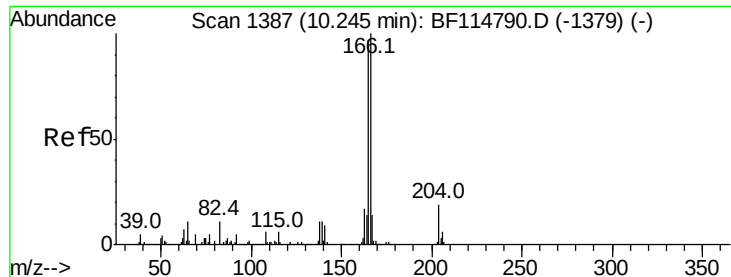
Tot Ion:	163	Resp:	757194
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.2
164	10.4	8.6	13.0



#57
 2,4-Dinitrotoluene
 Concen: 6.014 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.19 min
 Lab File: BF114840.D
 Acq: 6 Jun 2019 1:15

Tgt Ion:	165	Resp:	87272
Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.0	40.4#
89	1.4	47.0	70.6#
182	0.0	2.2	3.2#





#58

Fluorene

Concen: Below Cal

RT: 10.23 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Instrument :

BNA_F

ClientSampleId :

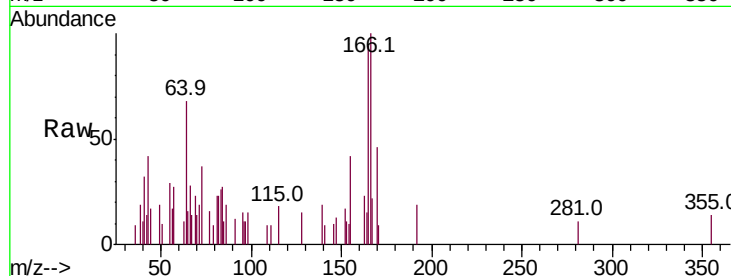
Tot Ion:166 Resp: 3870

Ion Ratio Lower Upper

166 100

165 93.5 77.9 116.9

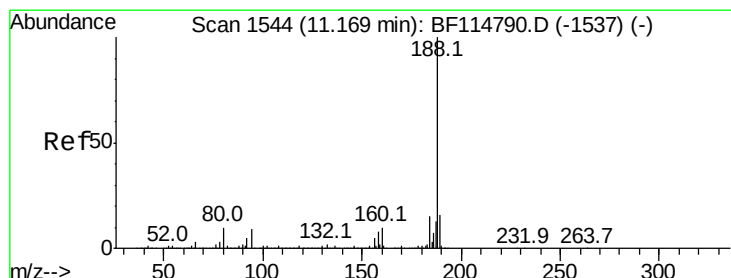
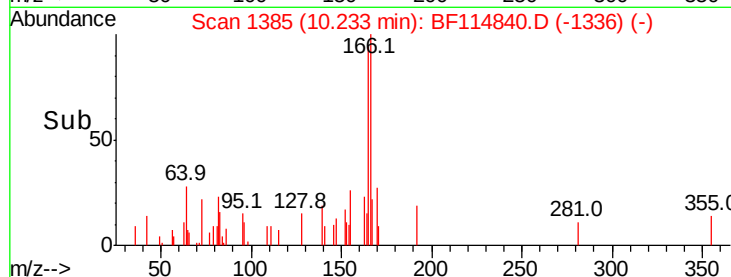
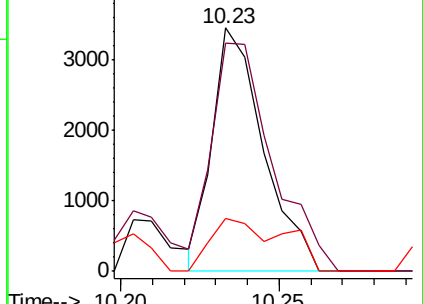
167 21.6 11.3 16.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.00 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

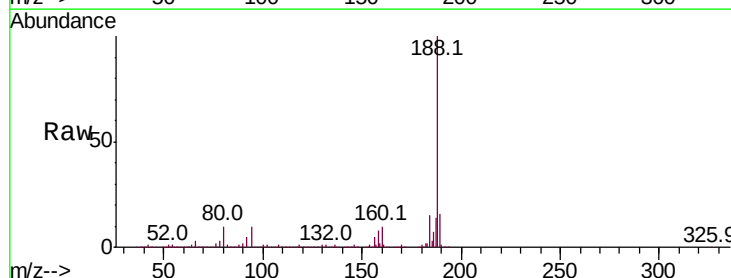
Tgt Ion:188 Resp: 1308720

Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

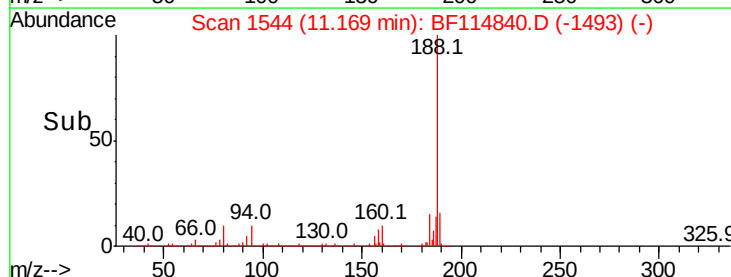
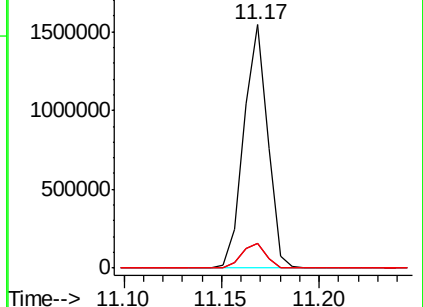
80 10.2 8.3 12.5

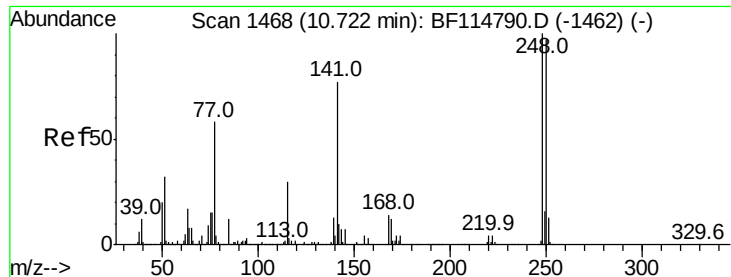


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

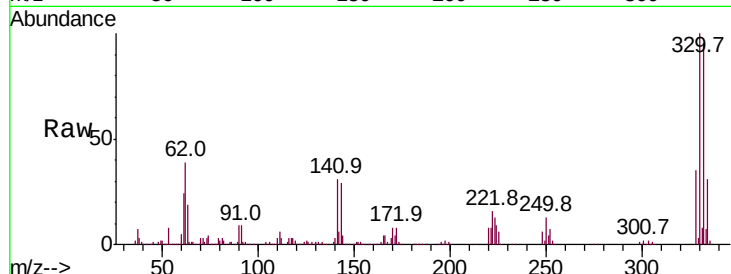




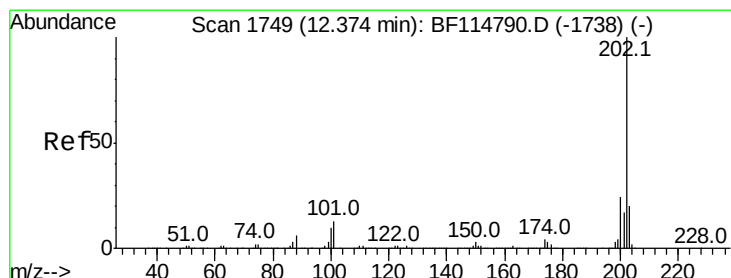
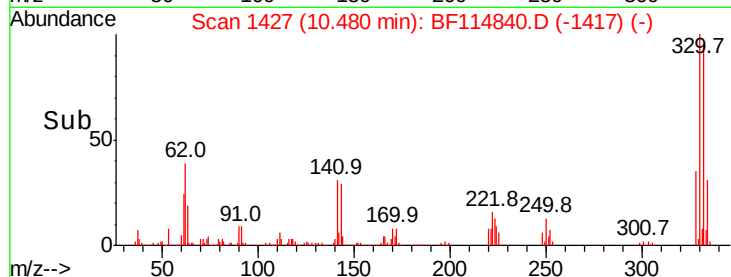
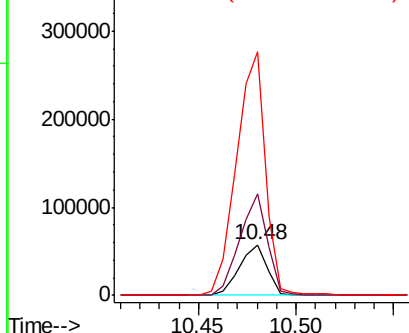
#67
 4-Bromophenyl-phenylether
 Concen: 3.832 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.24 min
 Lab File: BF114840.D
 Acq: 6 Jun 2019 1:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 56951
 Ion Ratio Lower Upper
 248 100
 250 201.5 77.5 116.3#
 141 483.8 61.8 92.8#

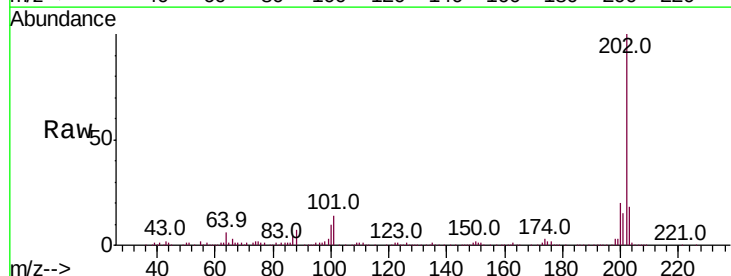


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

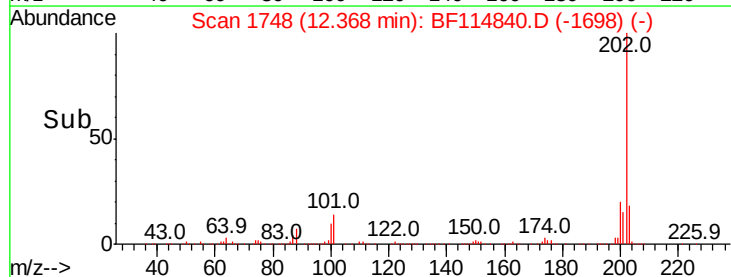
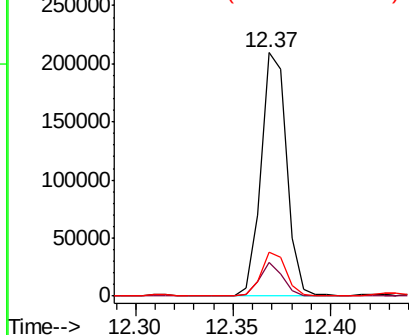


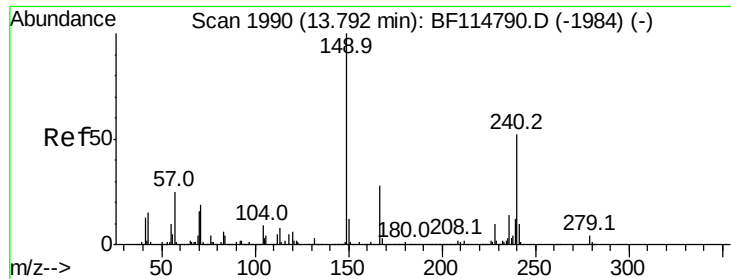
#75
 Fluoranthene
 Concen: 2.944 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BF114840.D
 Acq: 6 Jun 2019 1:15

Tgt Ion:202 Resp: 191411
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 32.8
 203 18.2 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

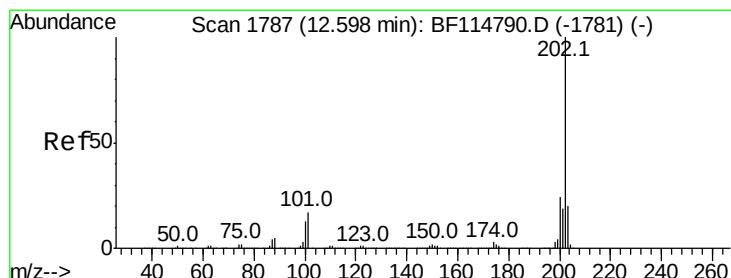
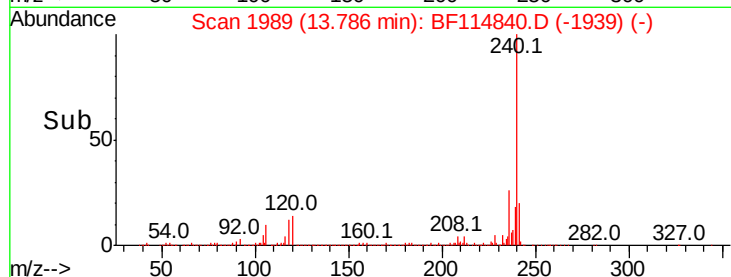
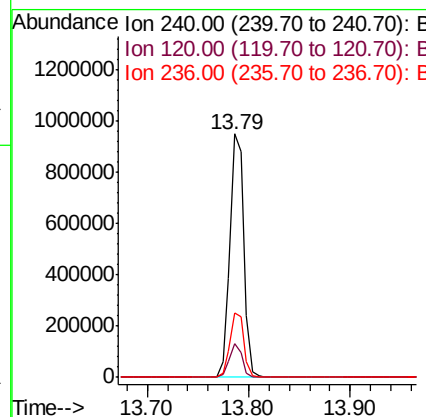
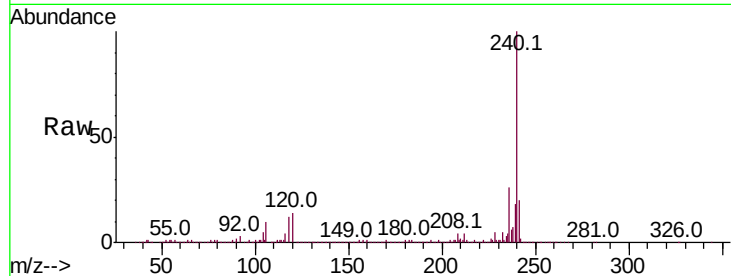




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114840.D
Acq: 6 Jun 2019 1:15

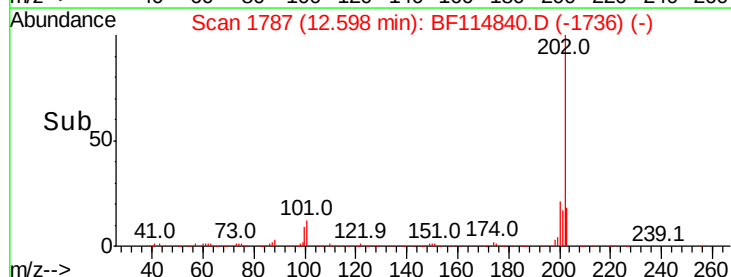
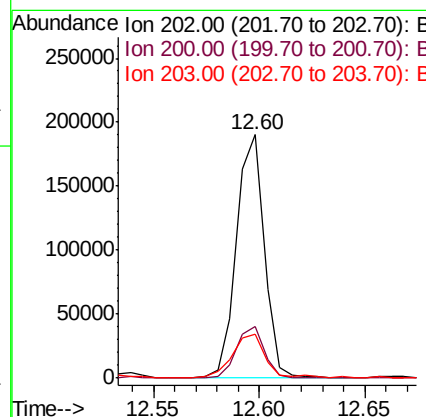
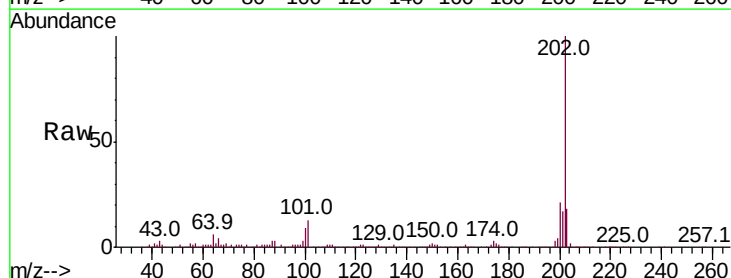
Instrument :
BNA_F
ClientSampleId :

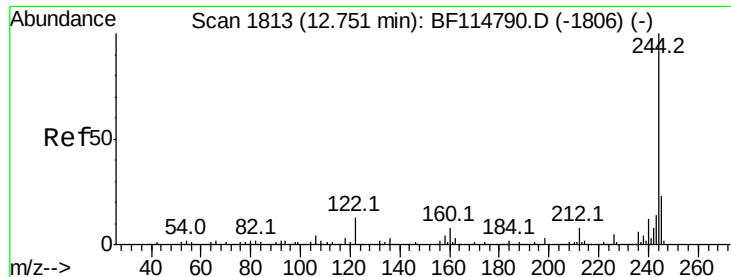
Tot Ion:240 Resp: 902519
Ion Ratio Lower Upper
240 100
120 14.0 9.0 13.4#
236 26.3 21.4 32.0



#78
Pyrene
Concen: 2.188 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114840.D
Acq: 6 Jun 2019 1:15

Tgt Ion:202 Resp: 171294
Ion Ratio Lower Upper
202 100
200 21.2 19.2 28.8
203 18.2 15.9 23.9





#79

Terphenyl-d14

Concen: 71.898 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Instrument :

BNA_F

ClientSampleId :

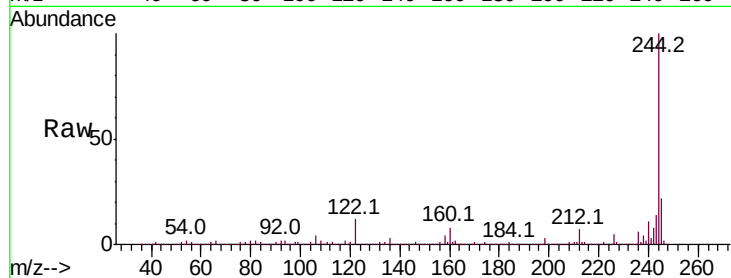
Tot Ion:244 Resp: 3336626

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

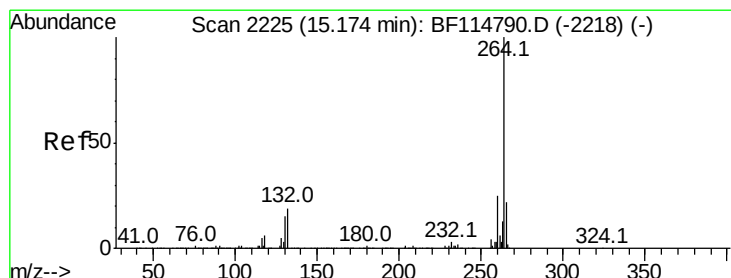
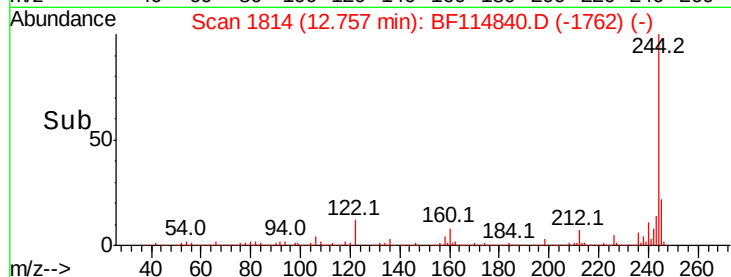
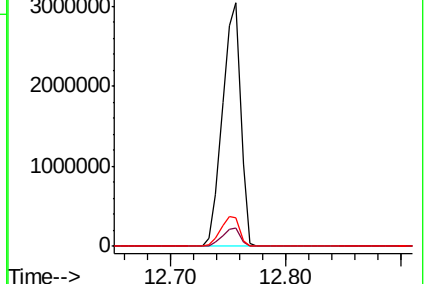
122 11.9 10.5 15.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

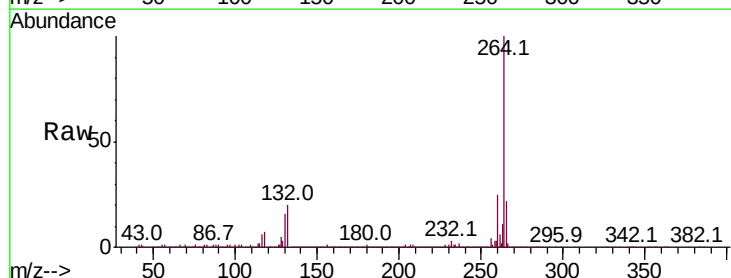
Tgt Ion:264 Resp: 943633

Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

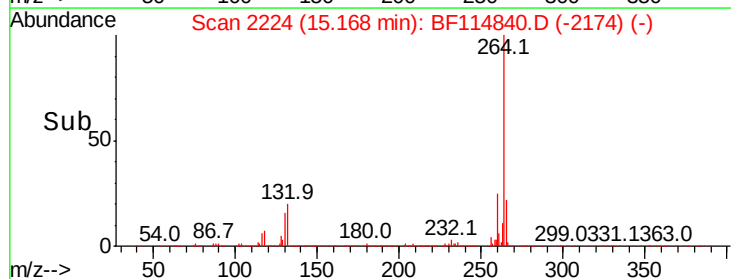
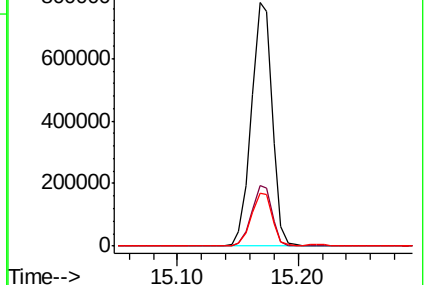
265 22.0 17.7 26.5

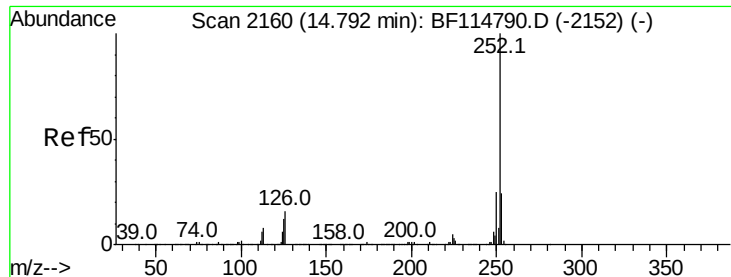


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.697 ng

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Instrument :

BNA_F

ClientSampleId :

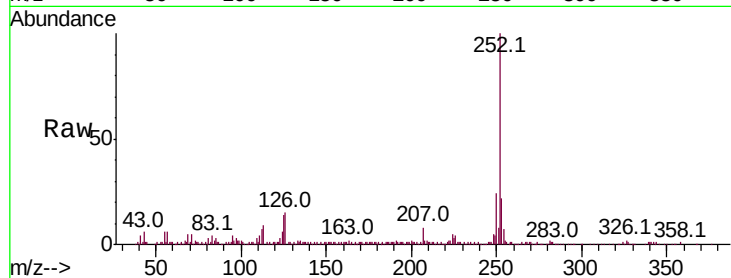
Tot Ion:252 Resp: 222094

Ion Ratio Lower Upper

252 100

253 22.2 19.0 28.6

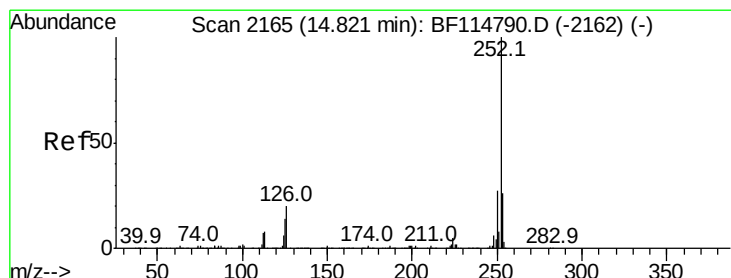
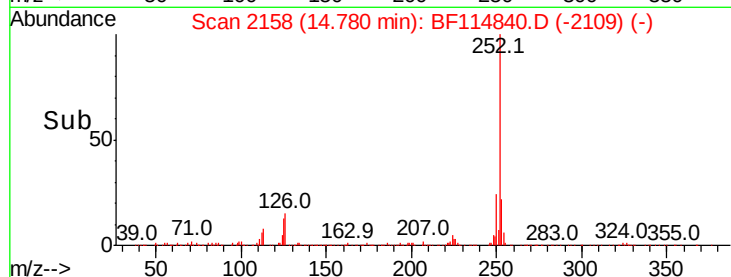
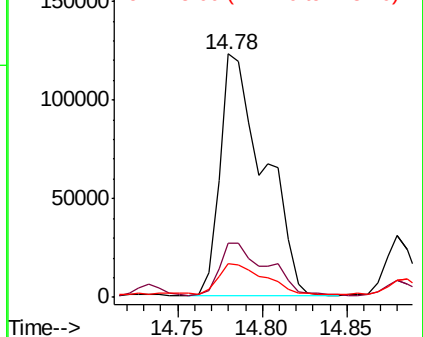
125 13.8 9.4 14.0



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: 4.353 ng

RT: 14.78 min Scan# 2158

Delta R.T. -0.04 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

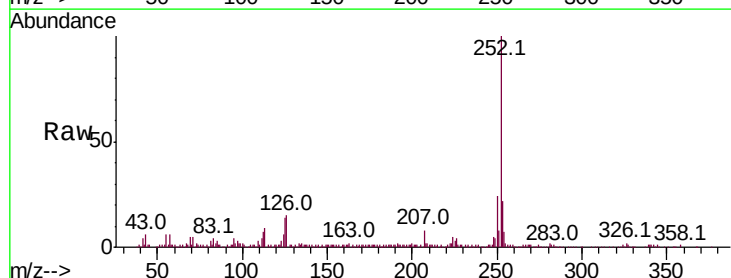
Tgt Ion:252 Resp: 222094

Ion Ratio Lower Upper

252 100

253 22.2 19.3 28.9

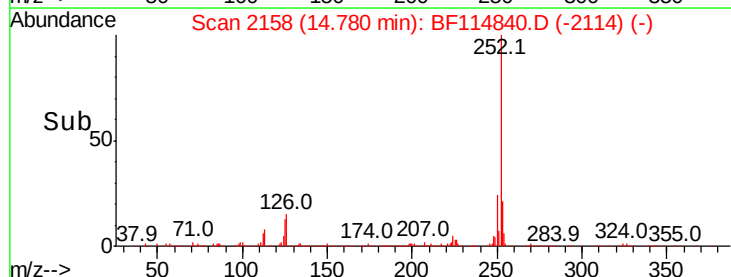
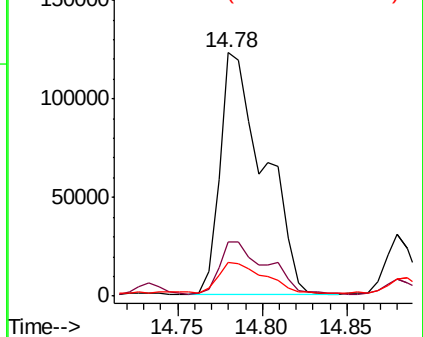
125 13.8 10.1 15.1

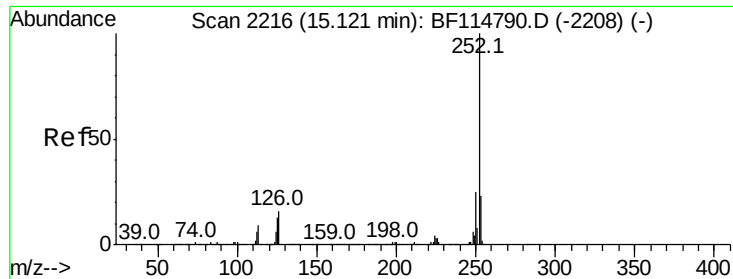


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.202 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF114840.D

Acq: 6 Jun 2019 1:15

Instrument :

BNA_F

ClientSampleId :

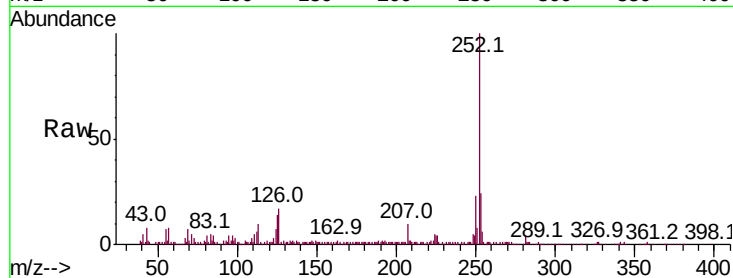
Tot Ion: 252 Resp: 114513

Ion Ratio Lower Upper

252 100

253 23.7 18.5 27.7

125 14.0 10.1 15.1



Abundance Ion 252.00 (251.70 to 252.70): E

150000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

