

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040919\
 Data File : BF113667.D
 Acq On : 9 Apr 2019 18:01
 Operator : JU/SJ
 Sample : K2338-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 02:25:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	113532	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	432209	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	212381	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	428155	20.00	ng	-0.01
76) Chrysene-d12	13.82	240	317780	20.00	ng	-0.02
87) Perylene-d12	15.23	264	333371	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	830344	124.72	ng	0.00
7) Phenol-d6	6.33	99	1091332	132.99	ng	0.00
23) Nitrobenzene-d5	7.25	82	649258	87.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	342935	134.42	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	1154228	87.49	ng	-0.02
79) Terphenyl-d14	12.77	244	1177027	75.41	ng	-0.02

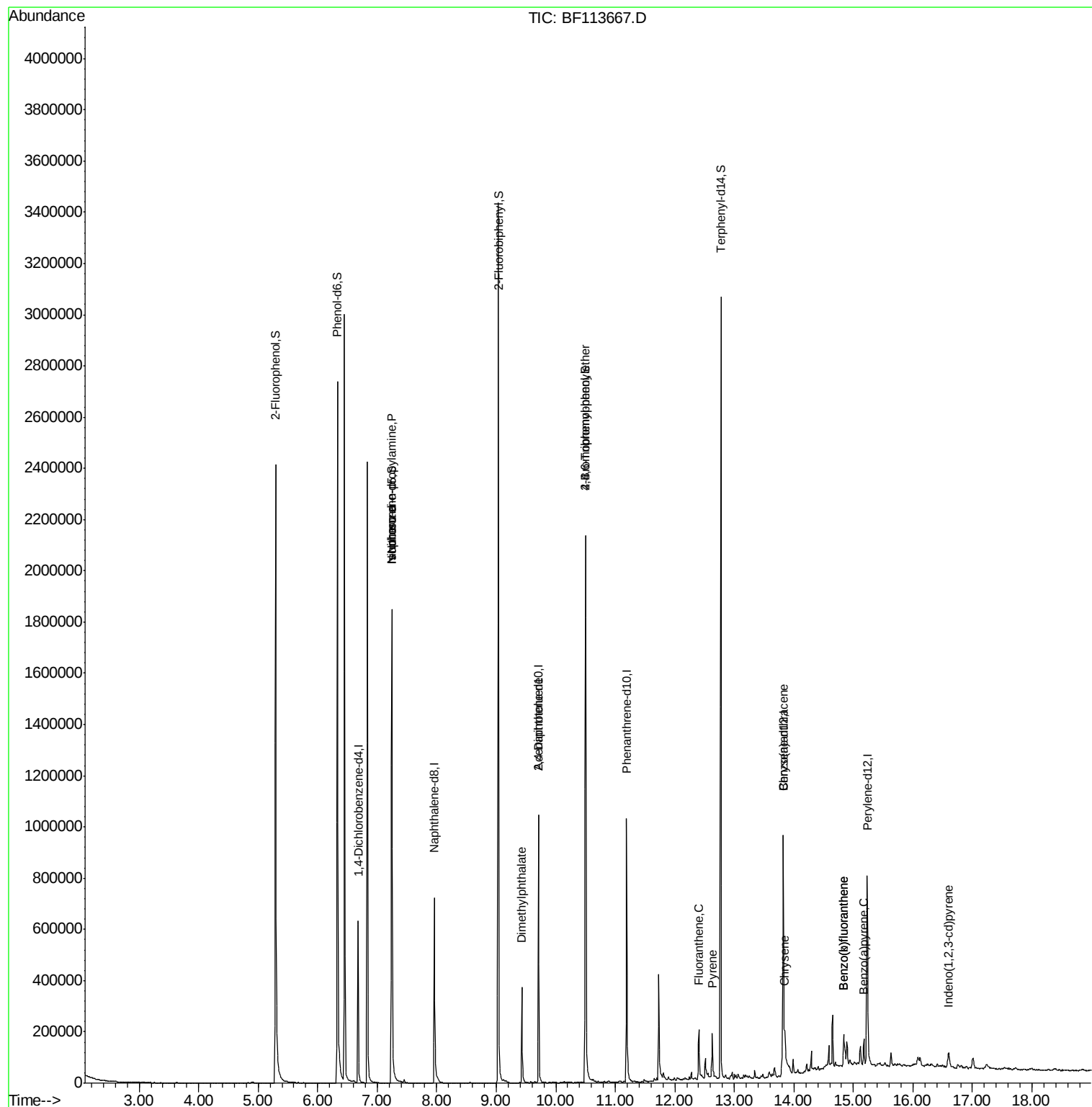
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	83190	16.440	ng	# 76
25) Isophorone	7.25	82	649255	45.677	ng	# 64
50) Dimethylphthalate	9.43	163	179420	11.461	ng	99
57) 2,4-Dinitrotoluene	9.71	165	25839	6.191	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	18682	3.891	ng	# 1
75) Fluoranthene	12.40	202	84447	3.704	ng	96
78) Pyrene	12.63	202	79049	3.269	ng	97
81) Benzo(a)anthracene	13.82	228	41566	2.267	ng	99
83) Chrysene	13.85	228	47051	2.532	ng	99
86) Indeno(1,2,3-cd)pyrene	16.60	276	36922	2.152	ng	96
88) Benzo(b)fluoranthene	14.84	252	86013	4.215	ng	# 97
89) Benzo(k)fluoranthene	14.84	252	86013	4.696	ng	# 96
90) Benzo(a)pyrene	15.17	252	46721	2.577	ng	98

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

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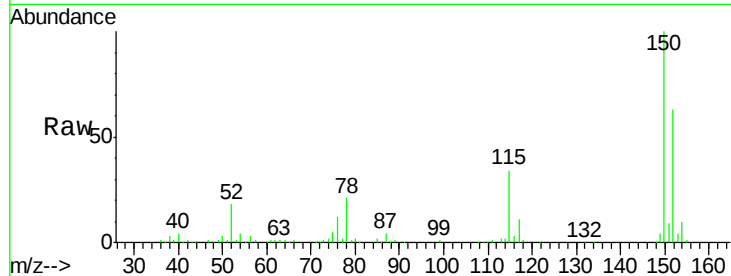


#1

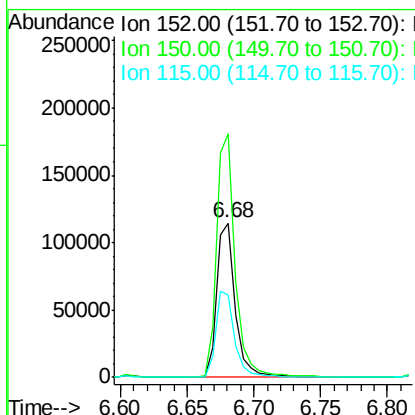
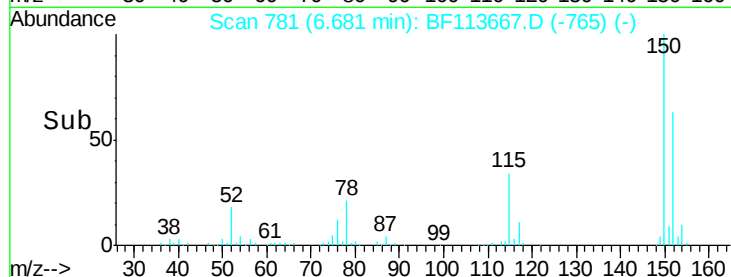
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113532
Ion Ratio Lower Upper
152 100
150 157.9 124.7 187.1
115 53.4 46.0 69.0



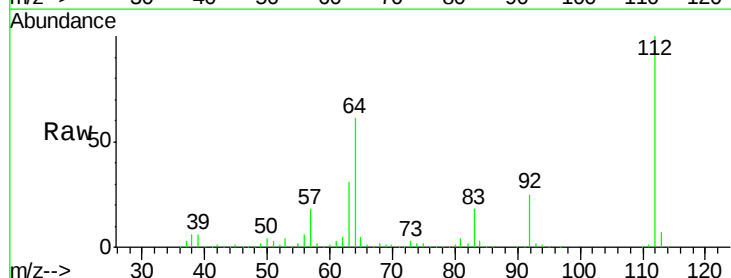
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



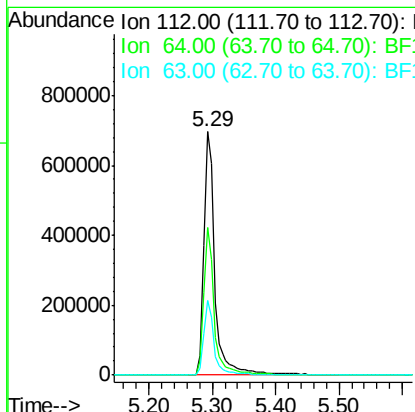
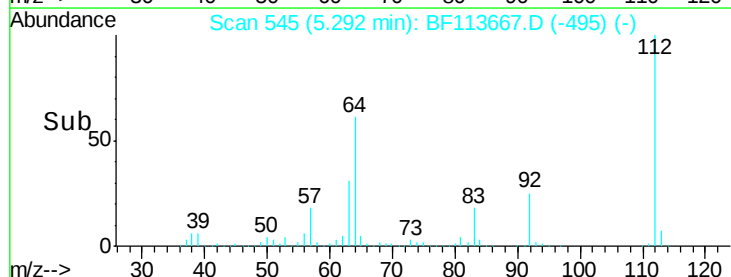
#5

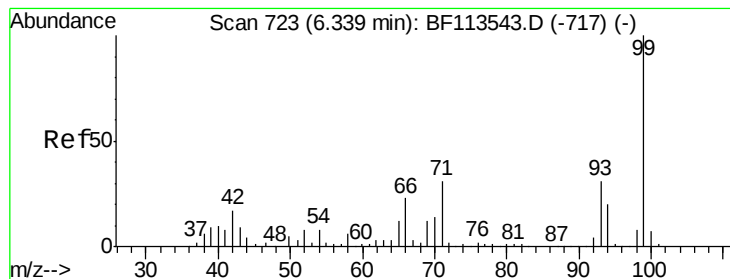
2-Fluorophenol
Concen: 124.716 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

Tgt Ion:112 Resp: 830344
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 30.7 24.9 37.3



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: 132.994 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampled :

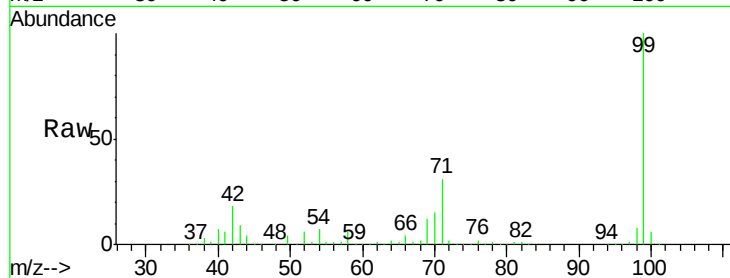
Tot Ion: 99 Resp: 1091332

Ion Ratio Lower Upper

99 100

42 17.9 14.8 22.2

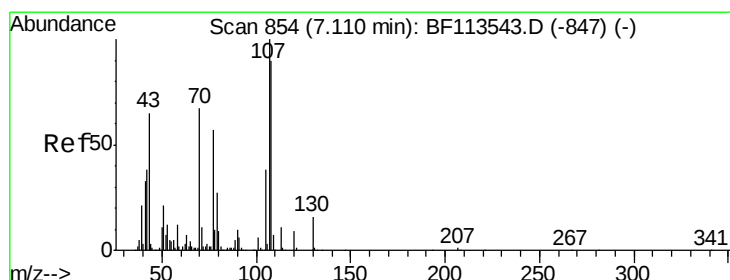
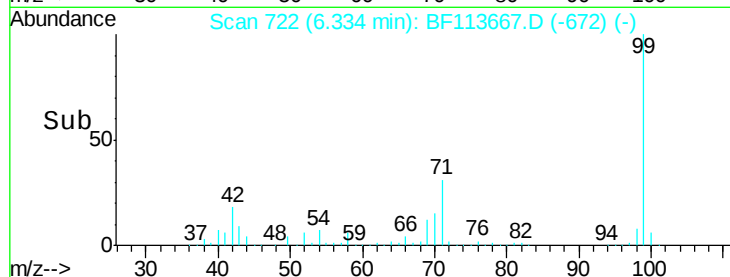
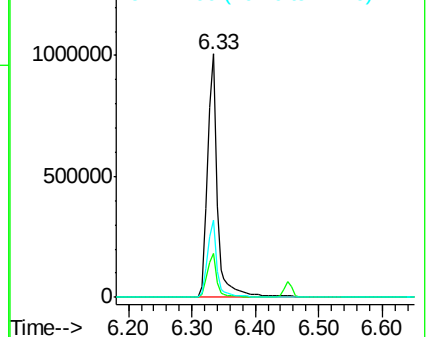
71 31.5 24.9 37.3



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: 16.440 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Tgt Ion: 70 Resp: 83190

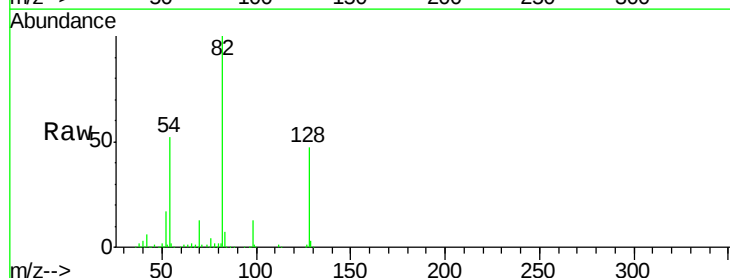
Ion Ratio Lower Upper

70 100

42 48.4 48.4 72.6#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#

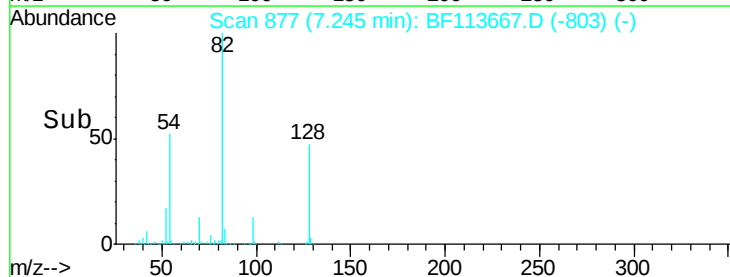
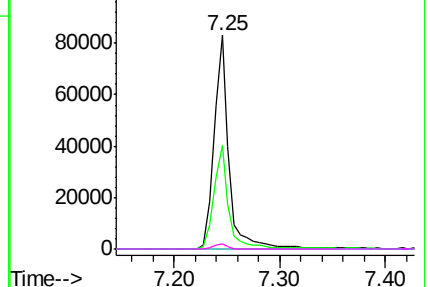


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 432209

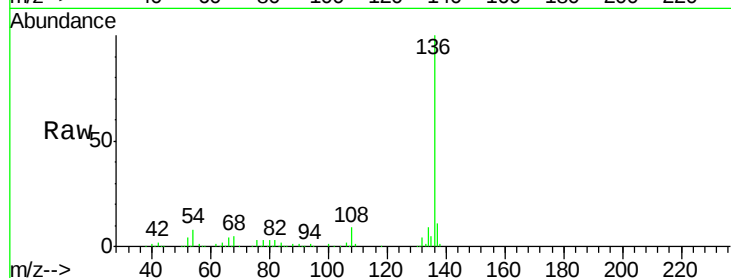
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.6 7.0 10.6

68 5.5 4.8 7.2

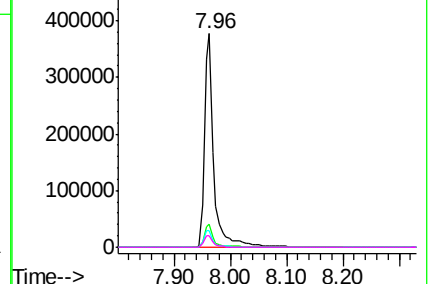
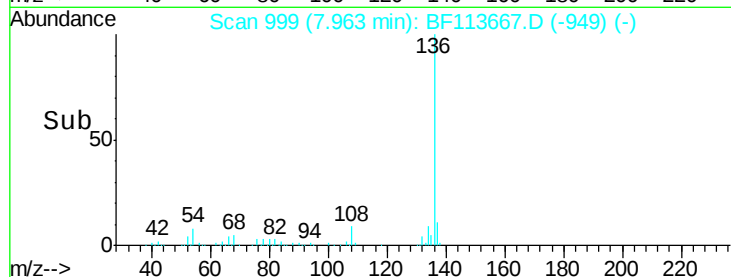


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.991 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

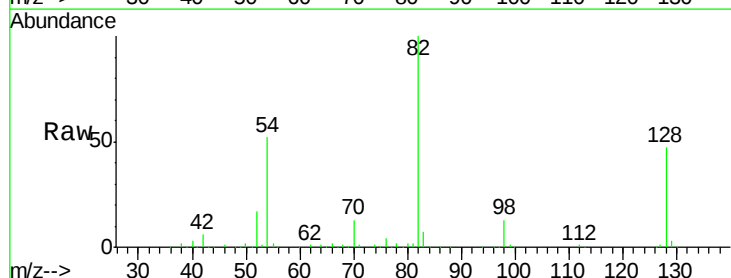
Tgt Ion: 82 Resp: 649258

Ion Ratio Lower Upper

82 100

128 46.7 36.5 54.7

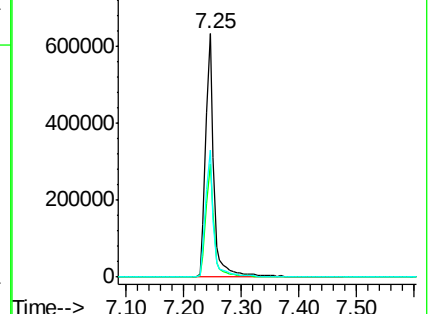
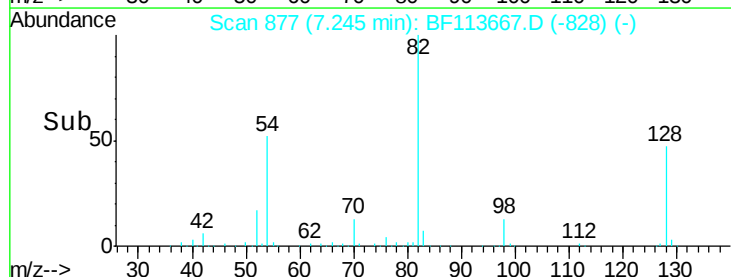
54 52.3 42.2 63.2



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: 45.677 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampled :

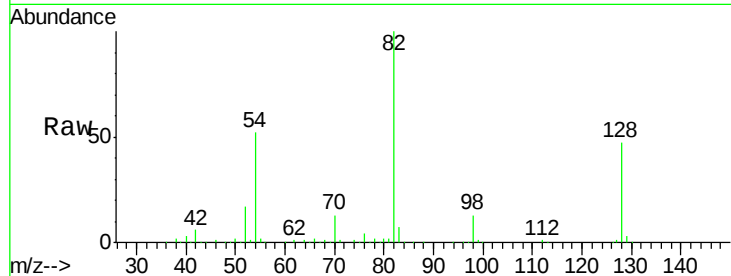
Tot Ion: 82 Resp: 649255

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

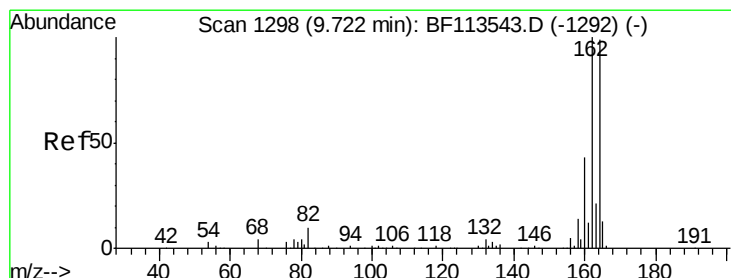
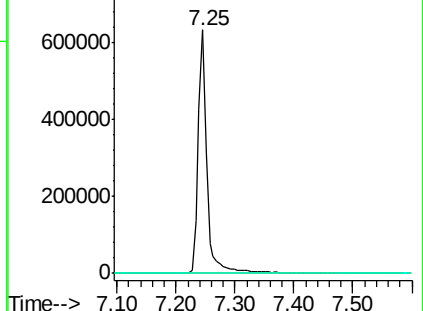
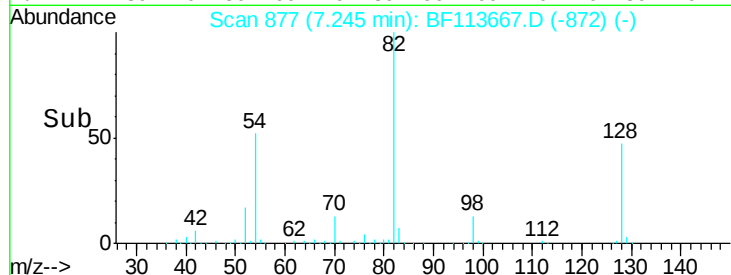
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

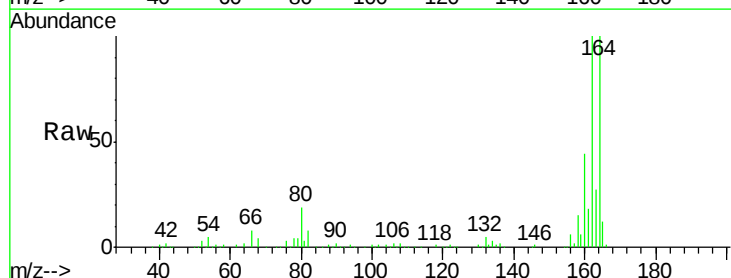
Tgt Ion:164 Resp: 212381

Ion Ratio Lower Upper

164 100

162 100.5 81.8 122.6

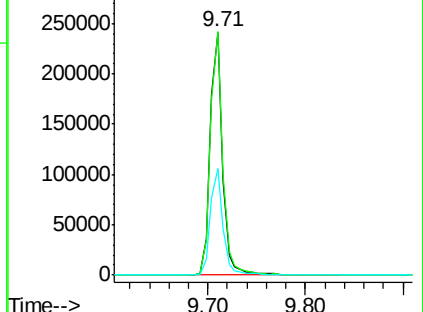
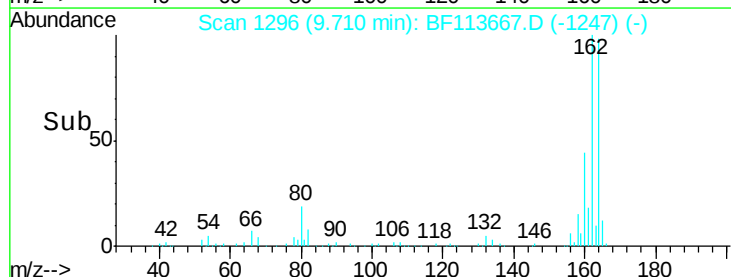
160 44.0 36.4 54.6

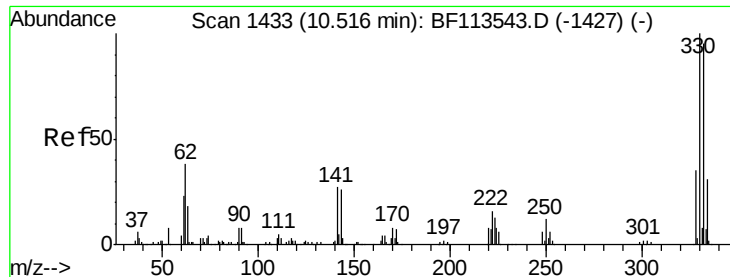


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 134.420 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampleId :

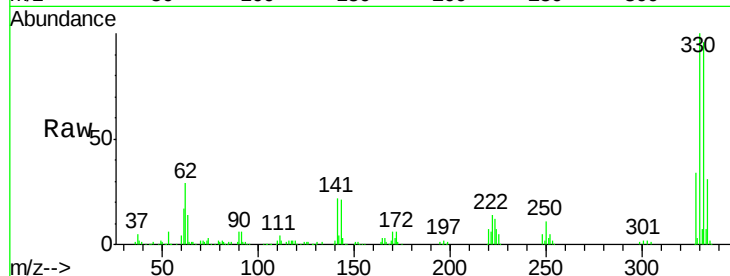
Tot Ion:330 Resp: 342935

Ion Ratio Lower Upper

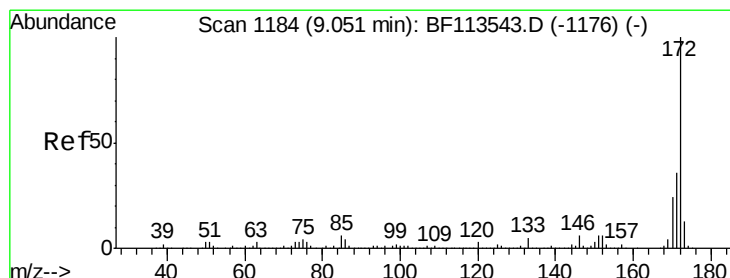
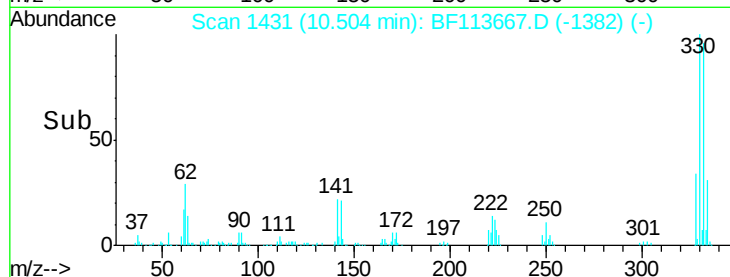
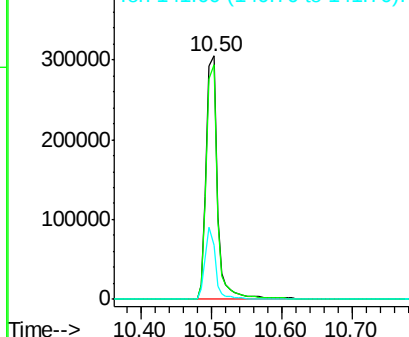
330 100

332 95.1 77.8 116.6

141 27.8 22.7 34.1



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: 87.493 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

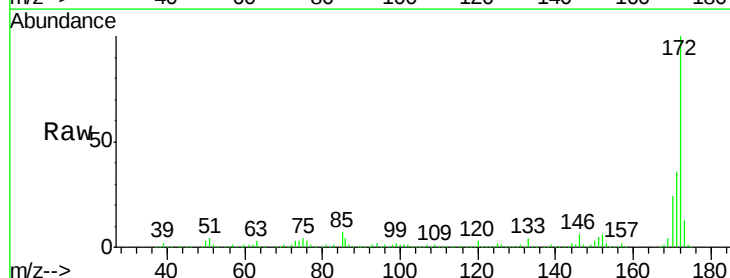
Tgt Ion:172 Resp: 1154228

Ion Ratio Lower Upper

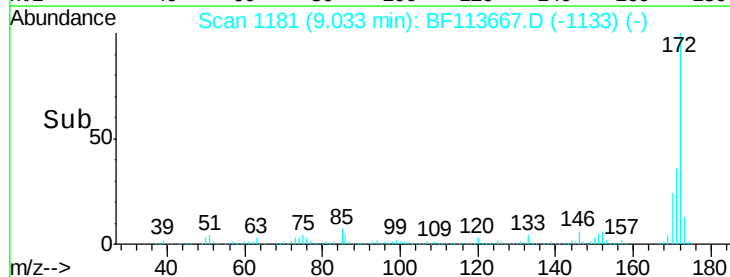
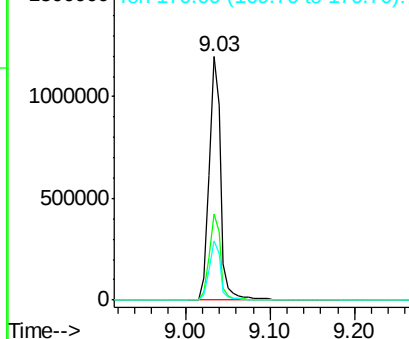
172 100

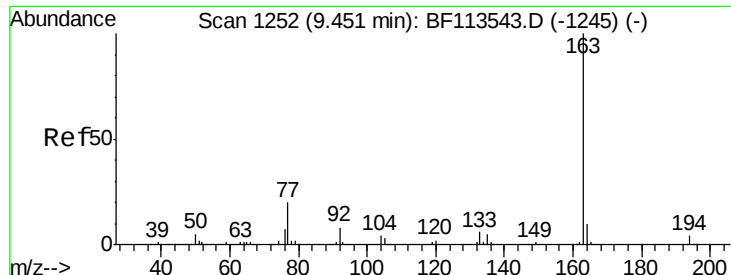
171 35.6 29.0 43.6

170 24.1 19.5 29.3



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: 11.461 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampleId :

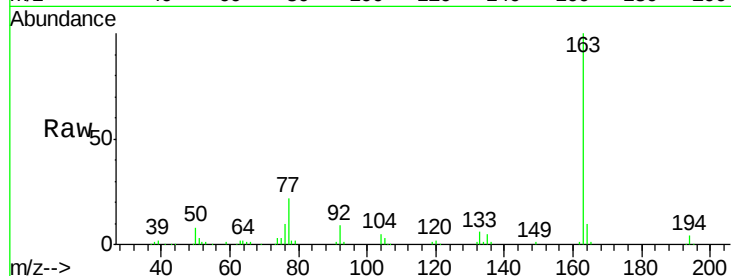
Tot Ion:163 Resp: 179420

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

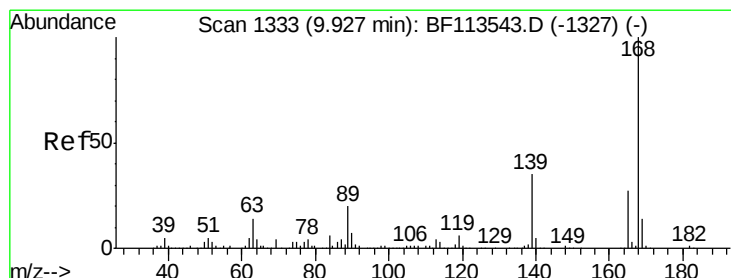
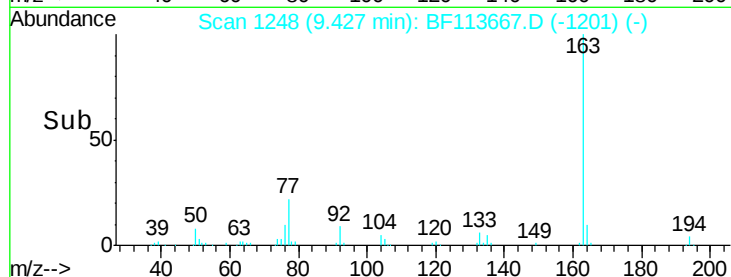
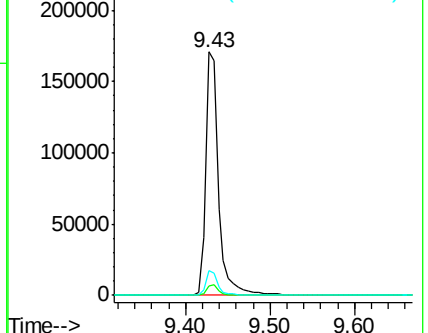
164 10.4 8.1 12.1



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



#57

2,4-Dinitrotoluene

Concen: 6.191 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Tgt Ion:165 Resp: 25839

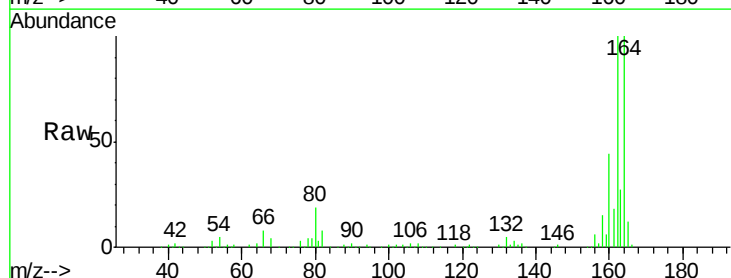
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 1.4 57.4 86.2#

182 0.0 2.0 3.0#

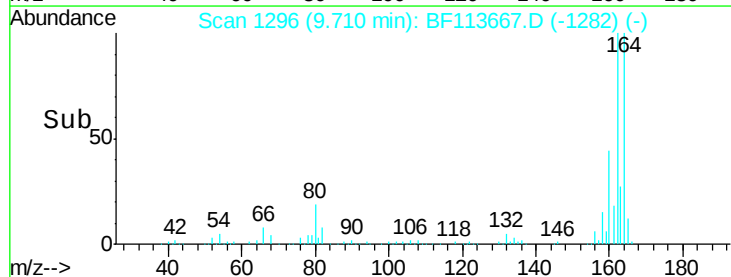
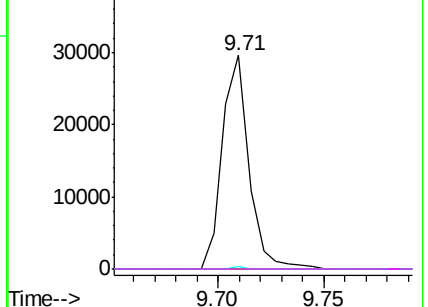


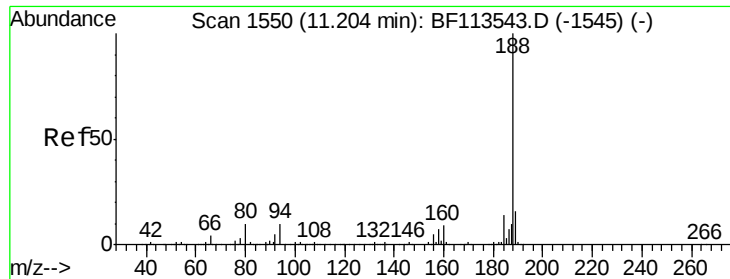
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

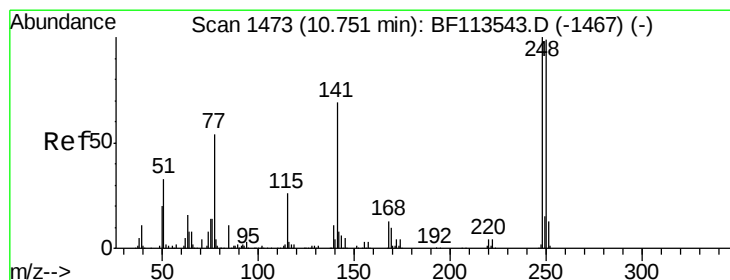
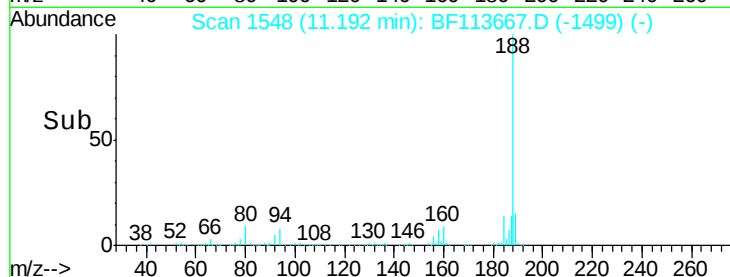
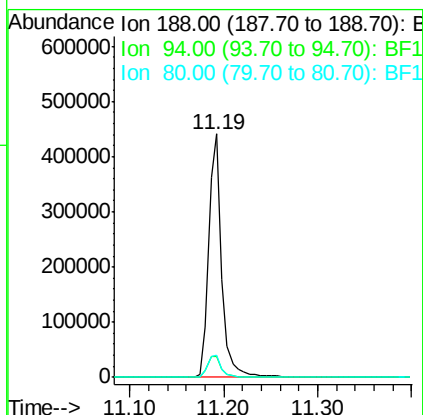
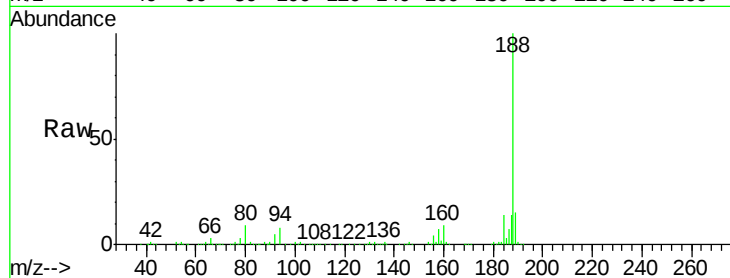




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF113667.D
 Acq: 9 Apr 2019 18:01

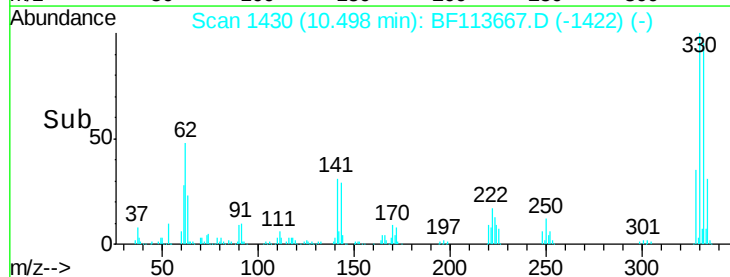
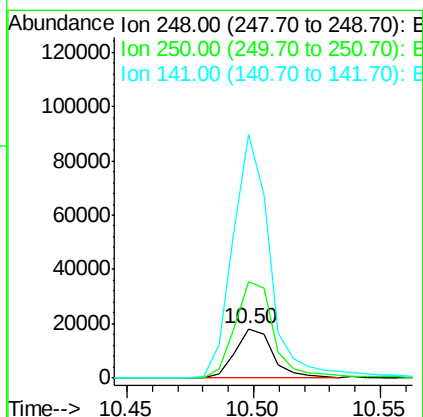
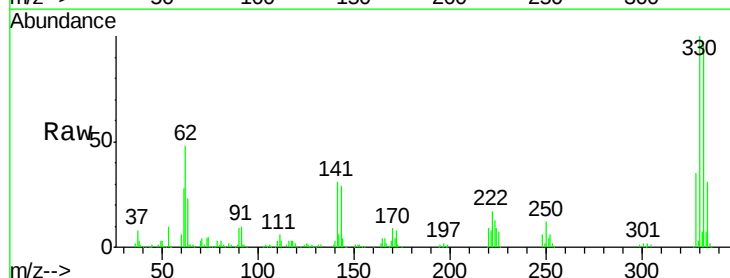
Instrument :
 BNA_F
 ClientSampled :

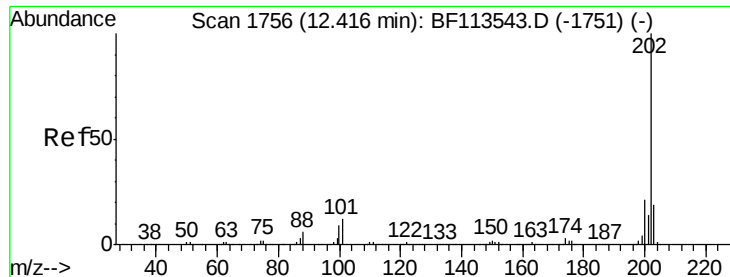
Tot Ion:188 Resp: 428155
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.0 10.6
 80 9.0 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.891 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF113667.D
 Acq: 9 Apr 2019 18:01

Tgt Ion:248 Resp: 18682
 Ion Ratio Lower Upper
 248 100
 250 194.9 78.3 117.5#
 141 490.8 56.2 84.4#





#75

Fluoranthene

Concen: 3.704 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampleId :

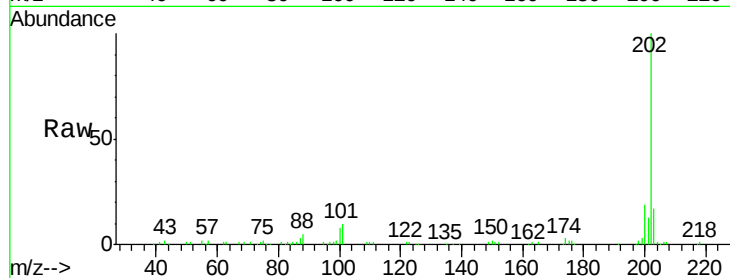
Tot Ion:202 Resp: 84447

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.4

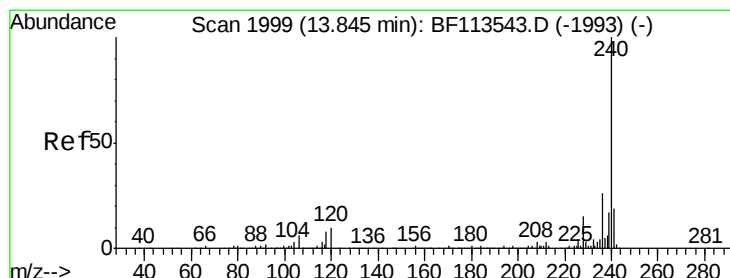
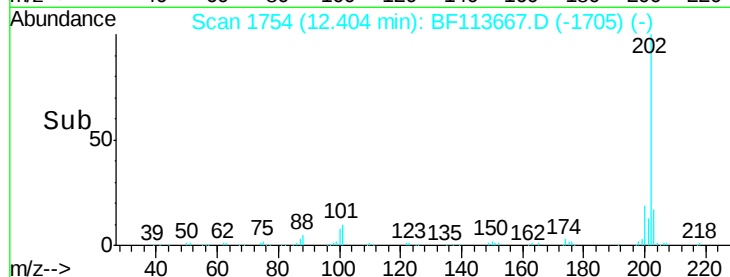
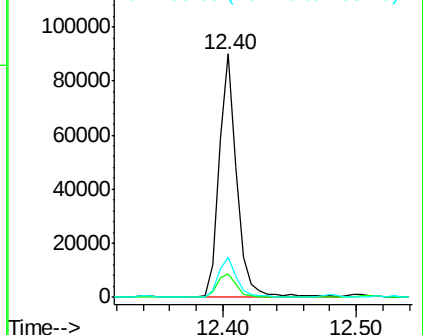
203 16.7 0.0 38.0



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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

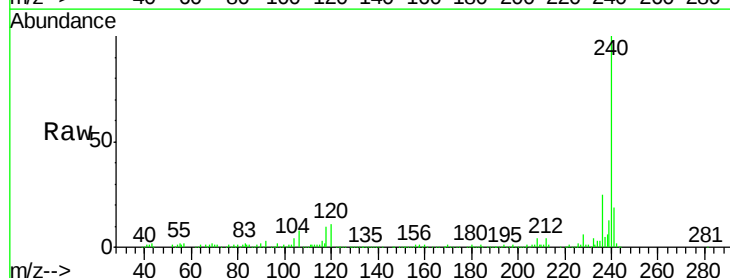
Tgt Ion:240 Resp: 317780

Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

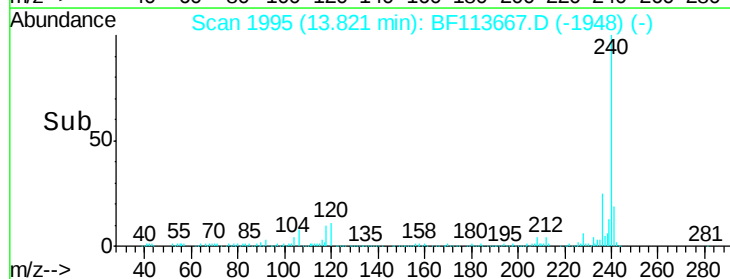
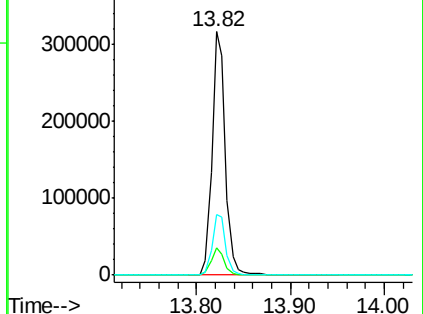
236 24.8 20.9 31.3

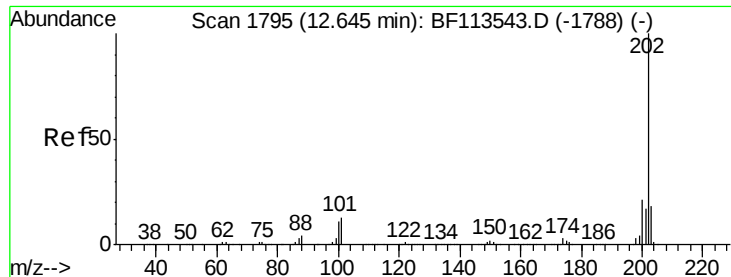


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

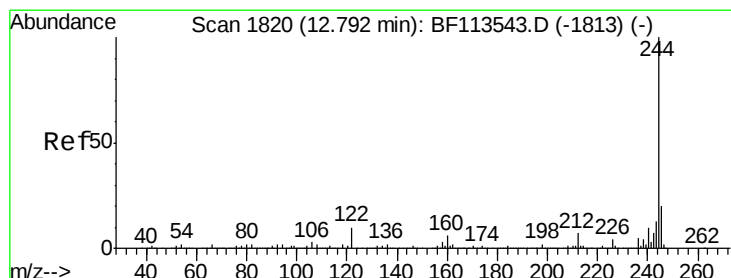
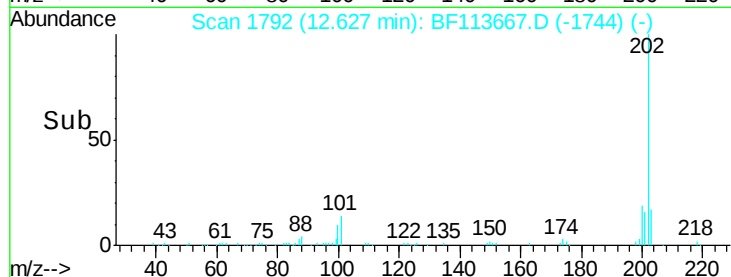
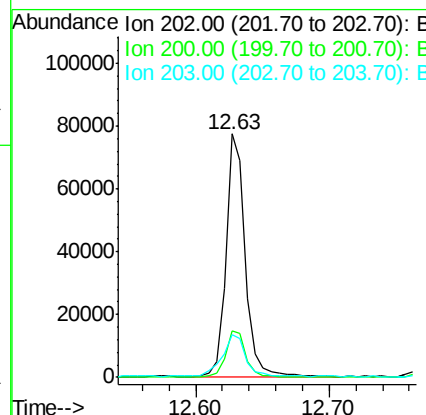
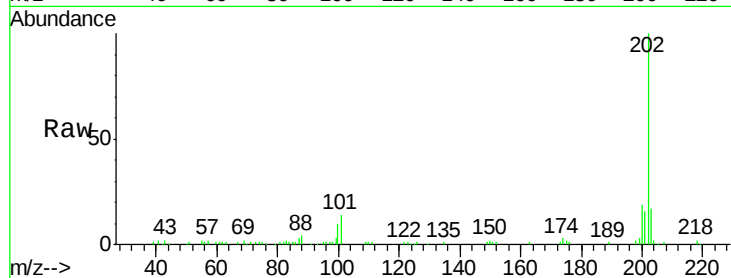




#78
Pvrene
Concen: 3.269 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

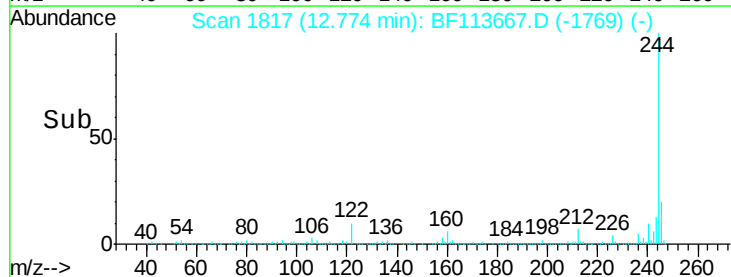
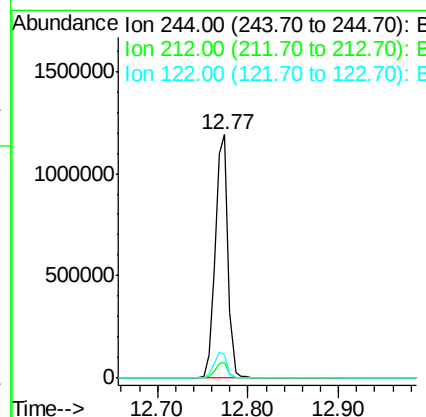
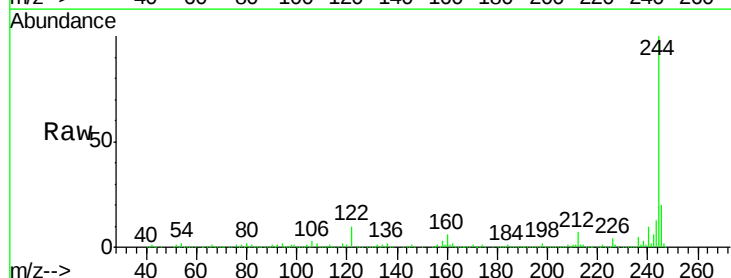
Instrument :
BNA_F
ClientSampleId :

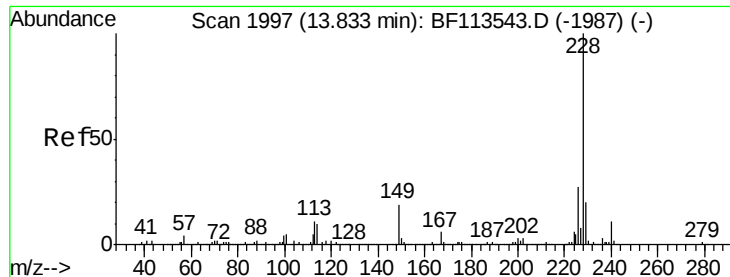
Tot Ion:202 Resp: 79049
Ion Ratio Lower Upper
202 100
200 19.1 16.8 25.2
203 17.4 14.4 21.6



#79
Terphenyl-d14
Concen: 75.412 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

Tgt Ion:244 Resp: 1177027
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 9.7 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.267 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

Instrument :

BNA_F

ClientSampled :

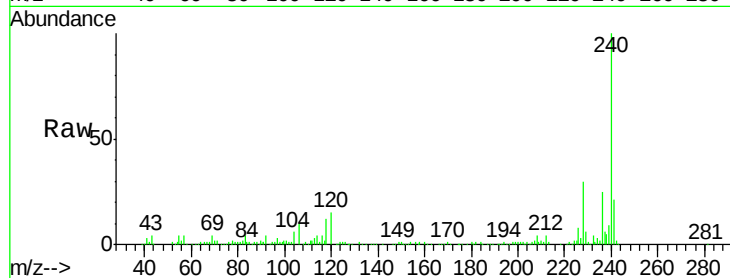
Tot Ion:228 Resp: 41566

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

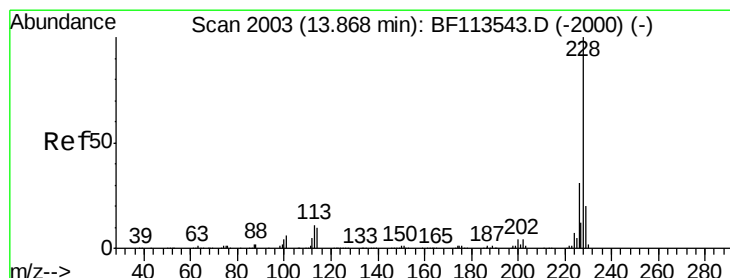
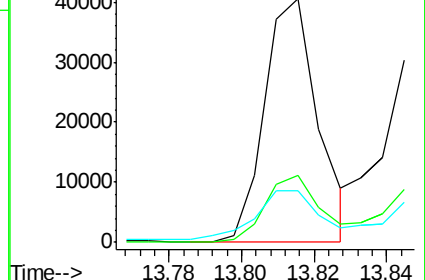
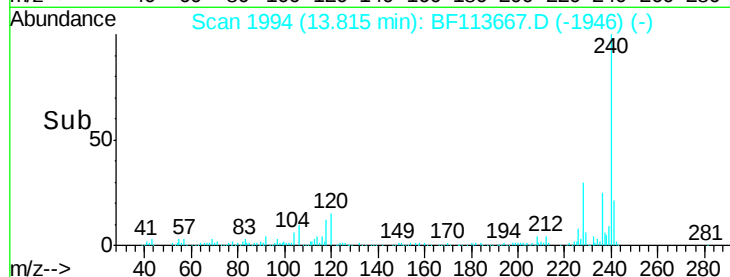
229 21.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.532 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113667.D

Acq: 9 Apr 2019 18:01

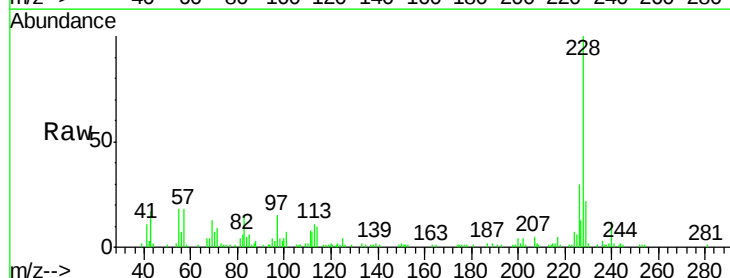
Tgt Ion:228 Resp: 47051

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

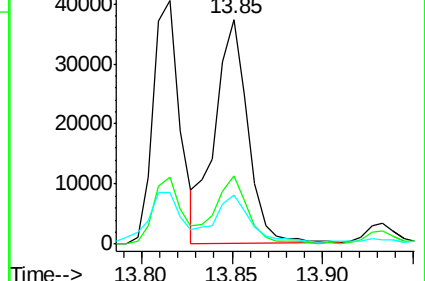
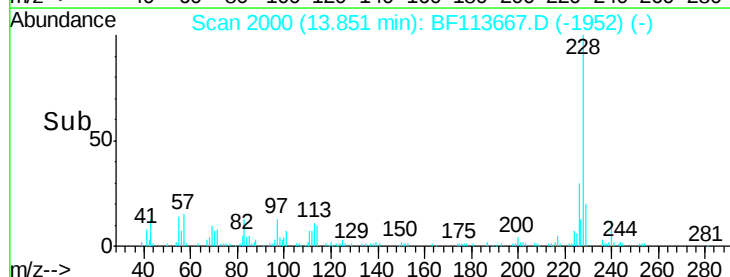
229 21.6 16.3 24.5

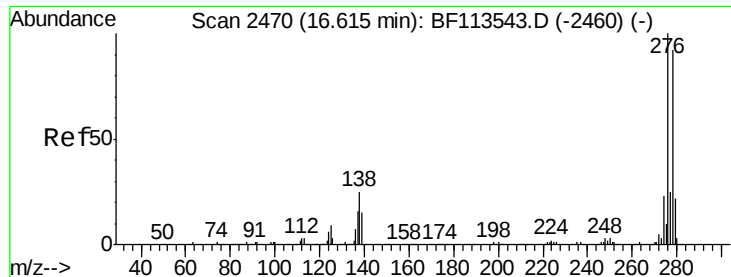


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

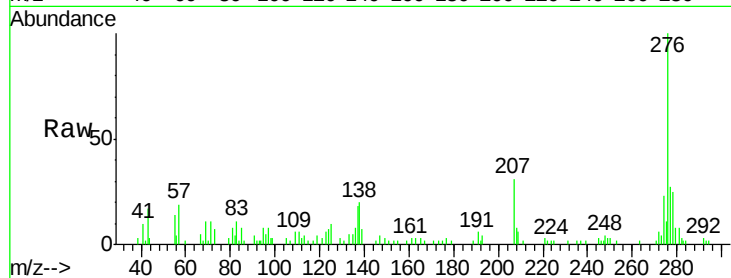




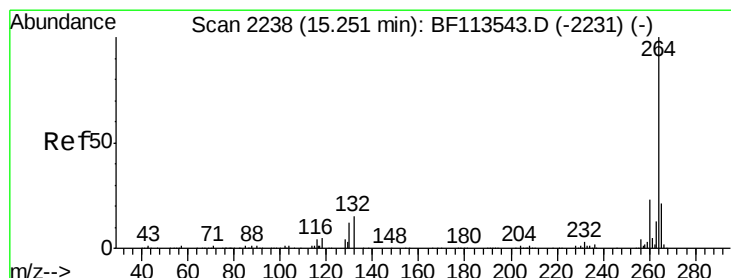
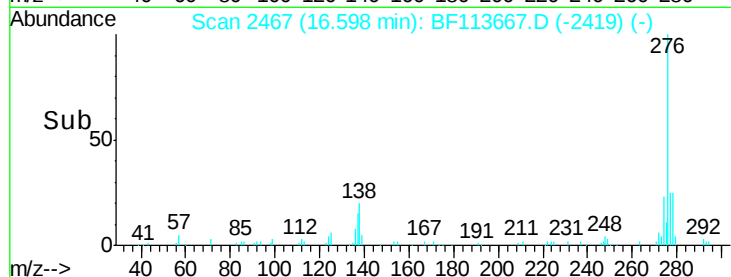
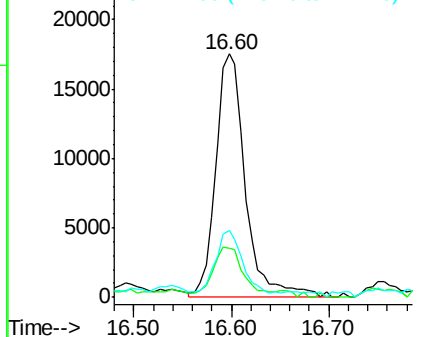
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.152 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. -0.02 min
 Lab File: BF113667.D
 Acq: 9 Apr 2019 18:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.1	27.1
277	22.9	20.2	30.4

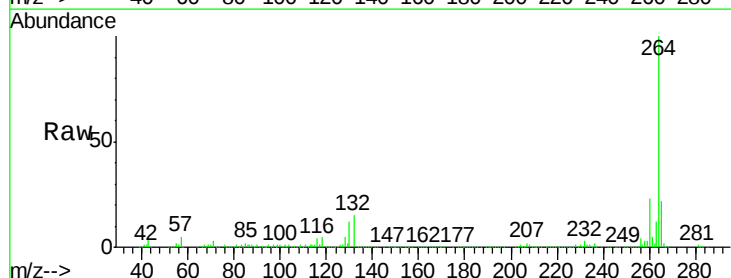


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

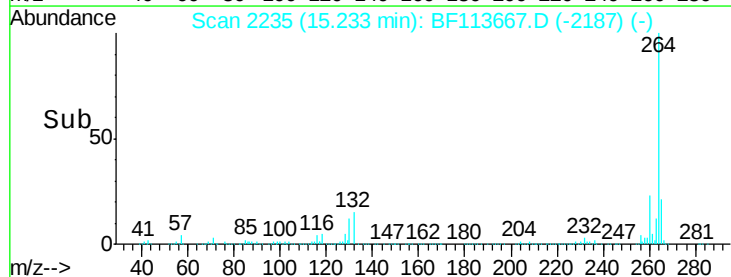
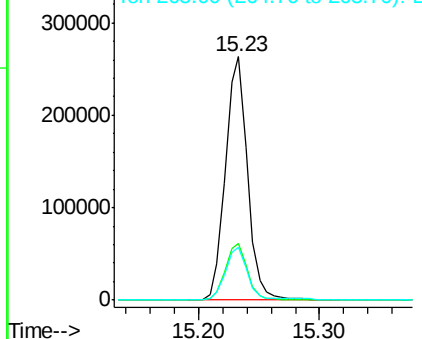


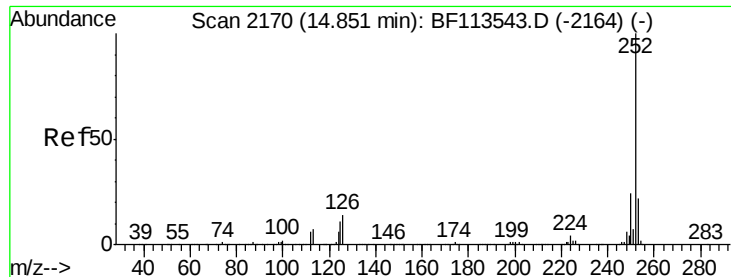
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BF113667.D
 Acq: 9 Apr 2019 18:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.5	17.1	25.7



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

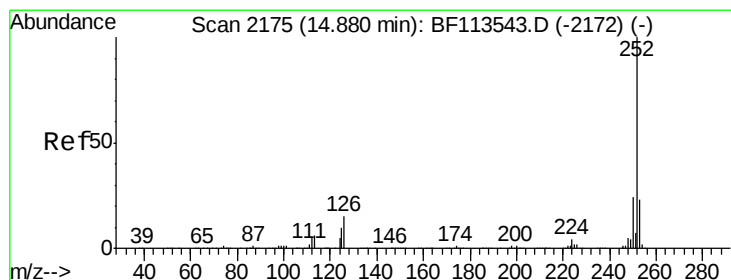
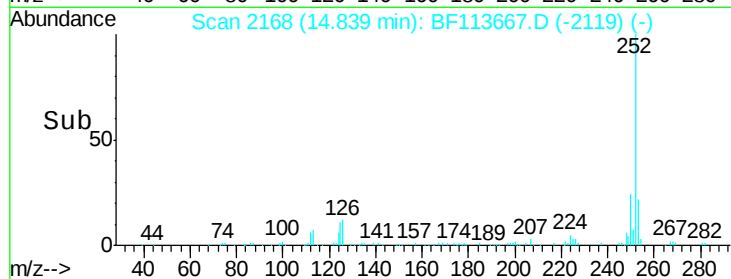
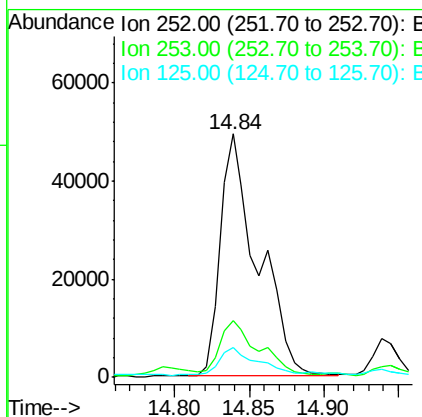
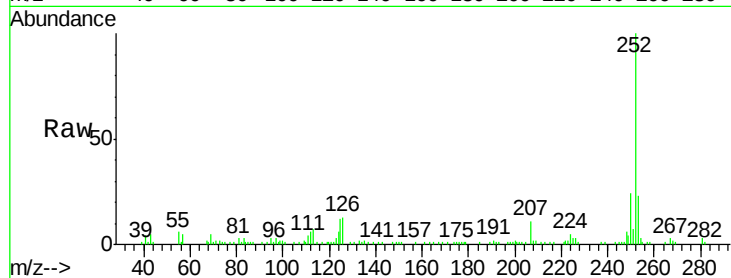




#88
Benzo(b)fluoranthene
Concen: 4.215 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

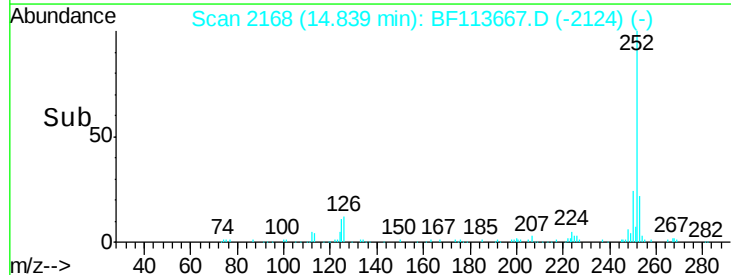
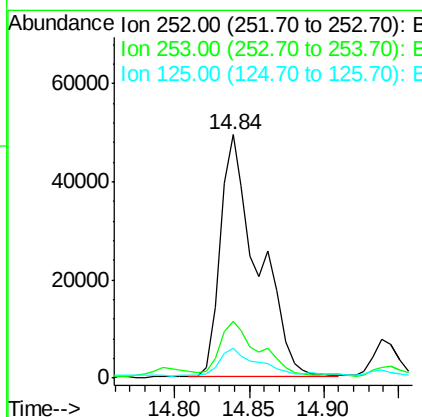
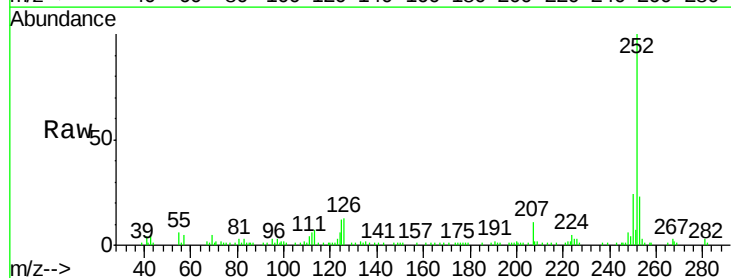
Instrument :
BNA_F
ClientSampleId :

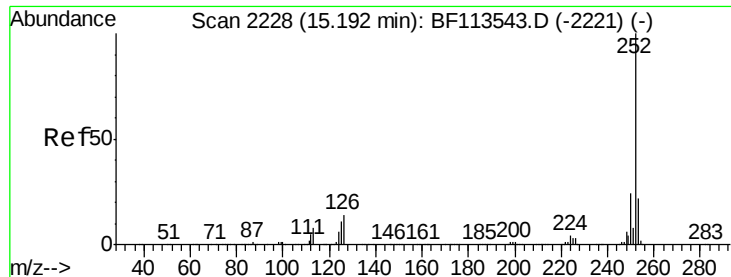
Tot Ion:252 Resp: 86013
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 12.5 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 4.696 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

Tgt Ion:252 Resp: 86013
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 12.5 7.3 10.9#





#90
Benzo(a)pyrene
Concen: 2.577 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF113667.D
Acq: 9 Apr 2019 18:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 252 Resp: 46721
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 12.2 8.8 13.2

