

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113599.D
 Acq On : 4 Apr 2019 23:00
 Operator : JU/SJ
 Sample : K2244-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:33:10 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	134419	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	490941	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	216095	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	358796	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	313546	20.00	ng	-0.02
87) Perylene-d12	15.23	264	229934	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	838477	106.37	ng	0.00
7) Phenol-d6	6.33	99	1096938	112.91	ng	-0.01
23) Nitrobenzene-d5	7.25	82	650190	77.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	251800	97.00	ng	-0.02
45) 2-Fluorobiphenyl	9.04	172	1102191	82.11	ng	-0.01
79) Terphenyl-d14	12.77	244	930746	60.44	ng	-0.02

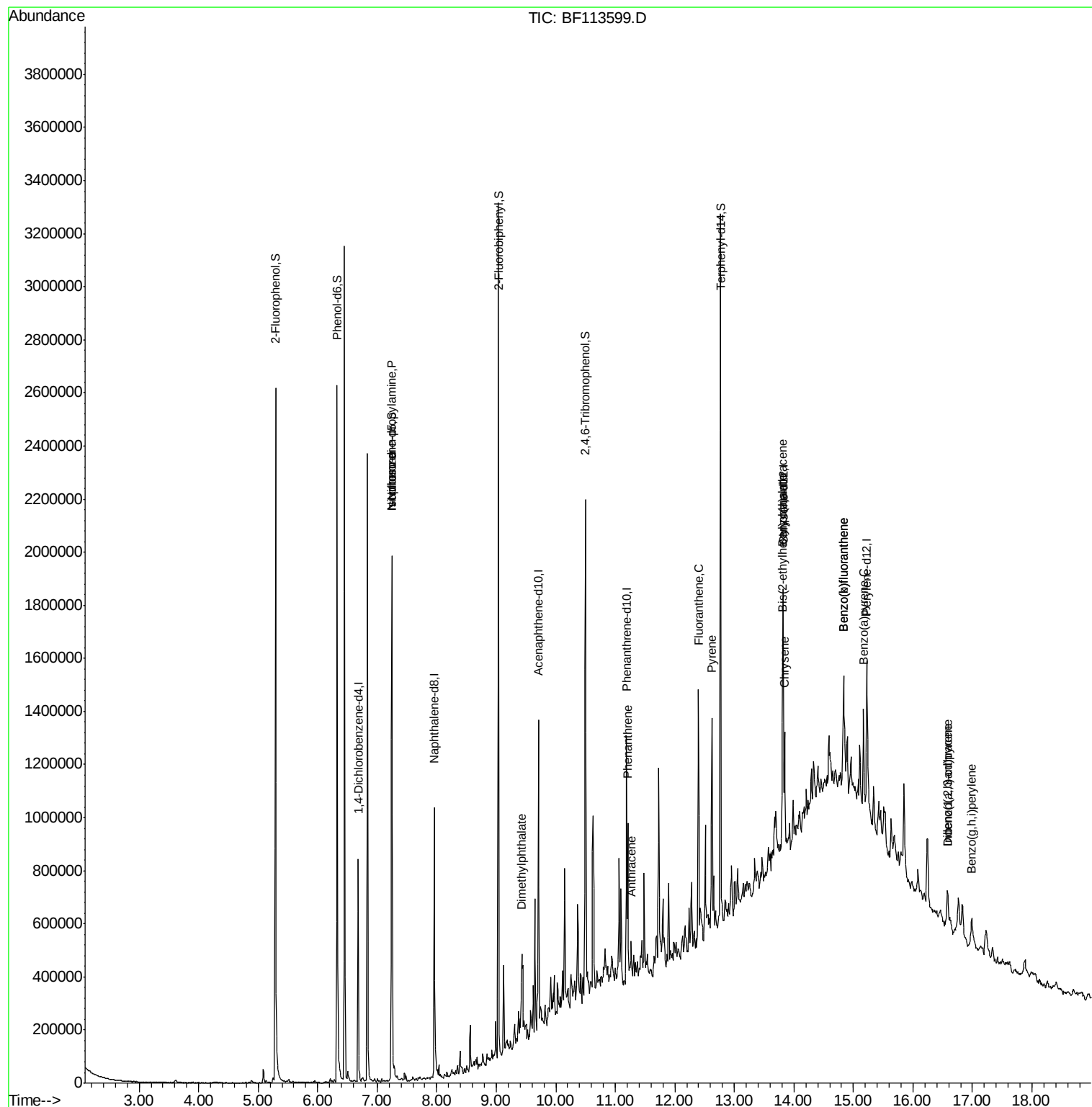
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	85183	14.218	ng	# 75
25) Isophorone	7.25	82	650185	40.270	ng	# 64
50) Dimethylphthalate	9.43	163	106144	6.664	ng	# 97
71) Phenanthrene	11.21	178	224499	12.592	ng	98
72) Anthracene	11.26	178	57510	3.170	ng	97
75) Fluoranthene	12.40	202	393632	20.604	ng	99
78) Pyrene	12.63	202	388298	16.276	ng	99
81) Benzo(a)anthracene	13.81	228	216059	11.946	ng	99
83) Chrysene	13.84	228	183827	10.026	ng	96
84) Bis(2-ethylhexyl)phthalate	13.80	149	49978	4.256	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.58	276	79836	4.716	ng	97
88) Benzo(b)fluoranthene	14.83	252	269219	19.128	ng	# 86
89) Benzo(k)fluoranthene	14.83	252	269219	21.313	ng	# 85
90) Benzo(a)pyrene	15.17	252	139217	11.131	ng	# 89
91) Dibenzo(a,h)anthracene	16.58	278	23967	2.049	ng	# 68
92) Benzo(g,h,i)perylene	16.99	276	84278	7.060	ng	95

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

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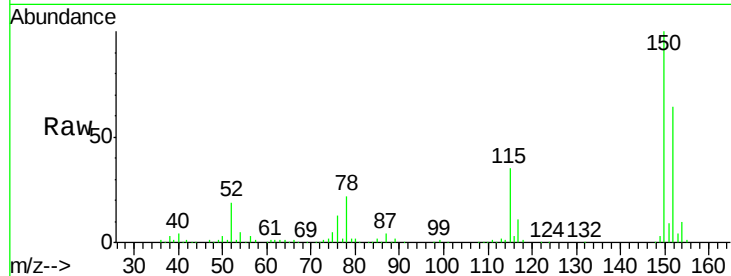


#1

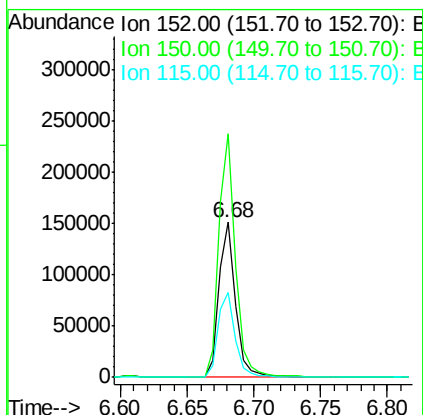
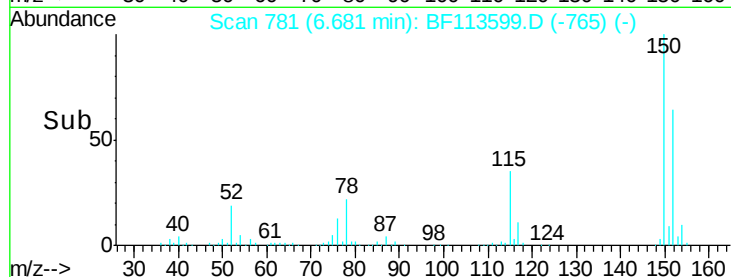
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134419
Ion Ratio Lower Upper
152 100
150 157.3 124.7 187.1
115 55.1 46.0 69.0



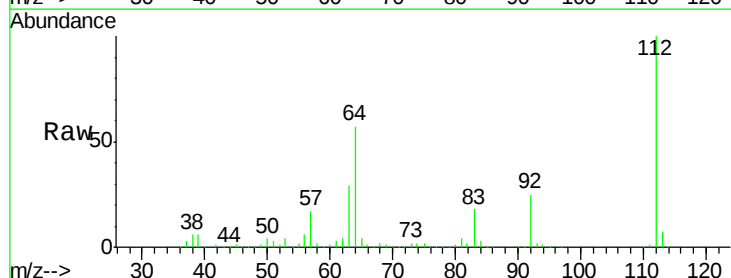
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



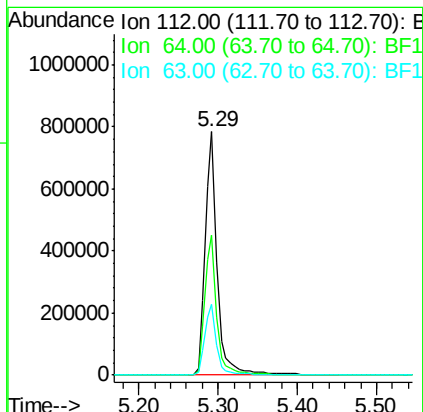
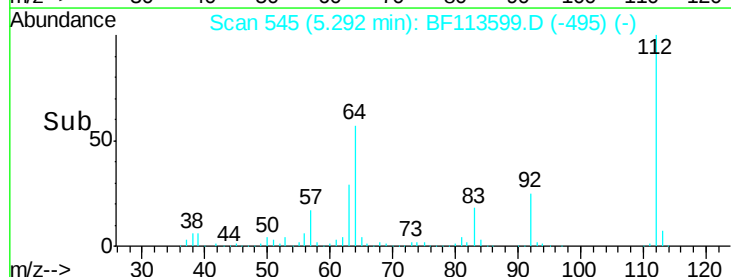
#5

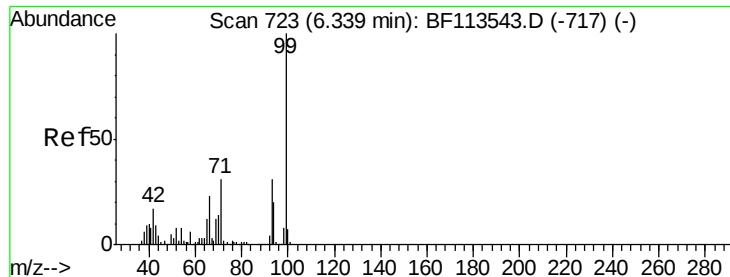
2-Fluorophenol
Concen: 106.369 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion:112 Resp: 838477
Ion Ratio Lower Upper
112 100
64 57.4 49.2 73.8
63 28.9 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: 112.906 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

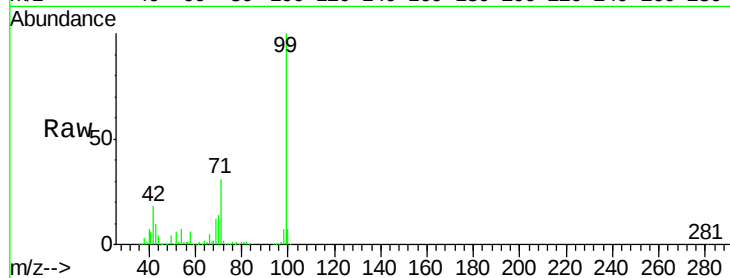
Tot Ion: 99 Resp: 1096938

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

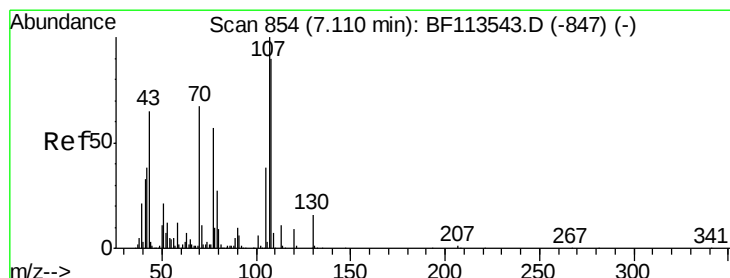
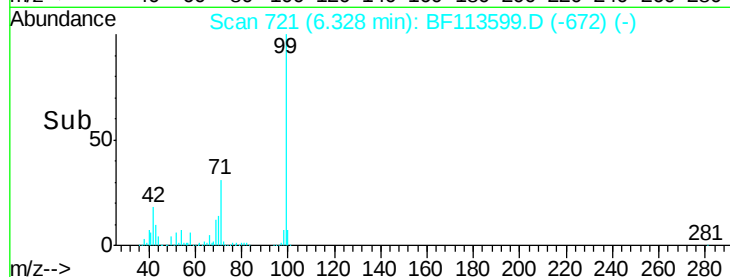
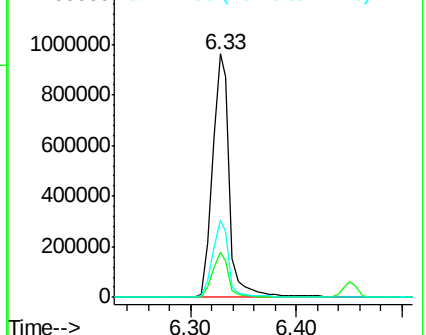
71 31.5 24.9 37.3



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: 14.218 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Tgt Ion: 70 Resp: 85183

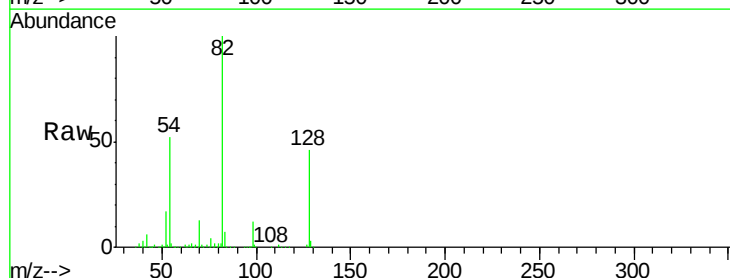
Ion Ratio Lower Upper

70 100

42 46.4 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

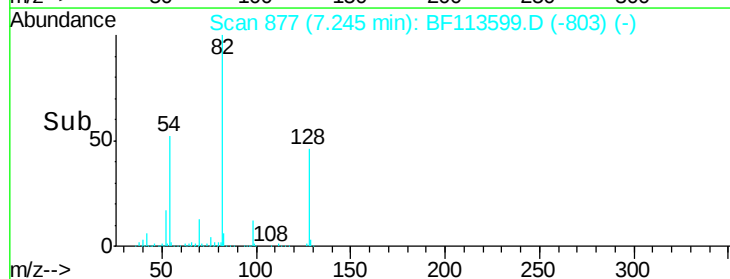
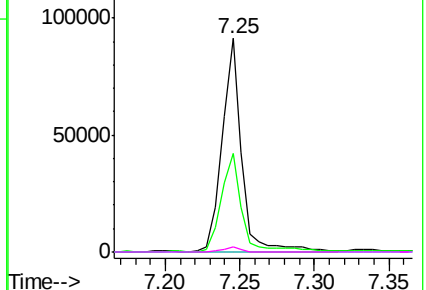


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 490941

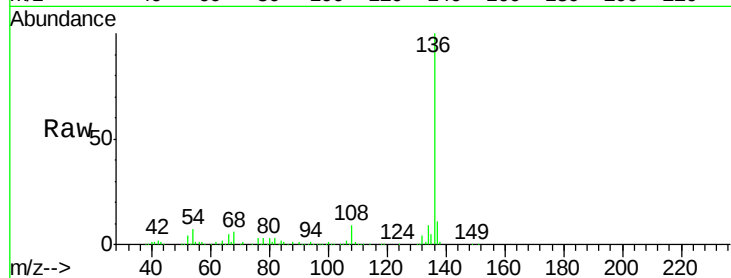
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.3 7.0 10.6

68 5.7 4.8 7.2

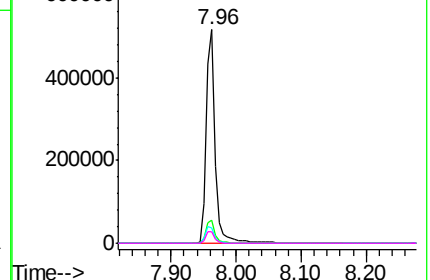
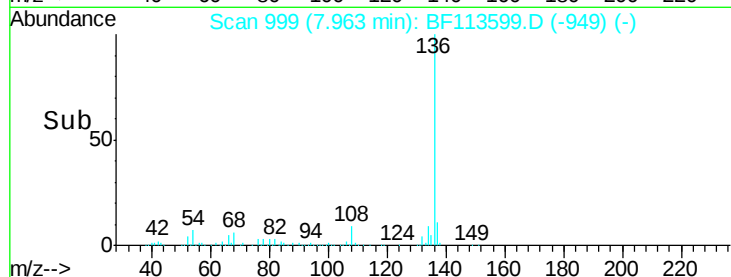


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.576 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

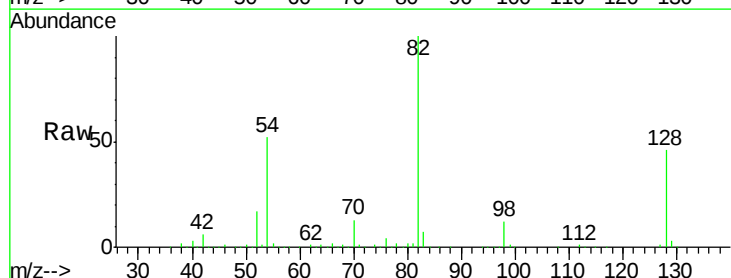
Tgt Ion: 82 Resp: 650190

Ion Ratio Lower Upper

82 100

128 46.5 36.5 54.7

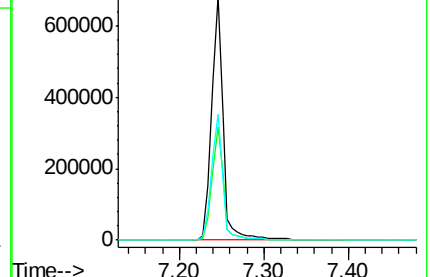
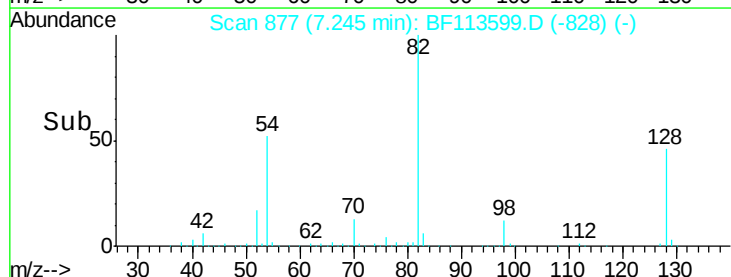
54 51.7 42.2 63.2

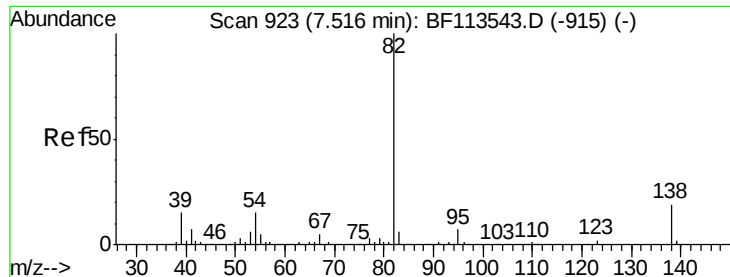


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

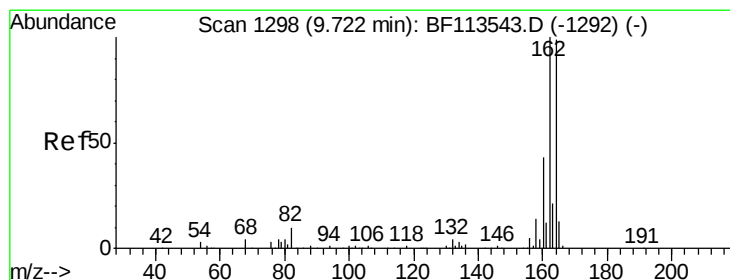
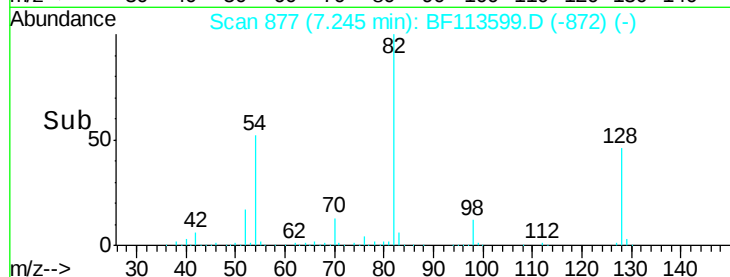
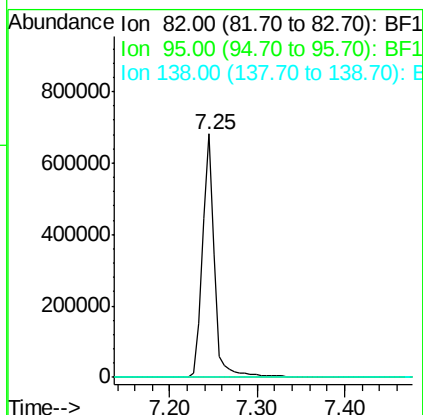
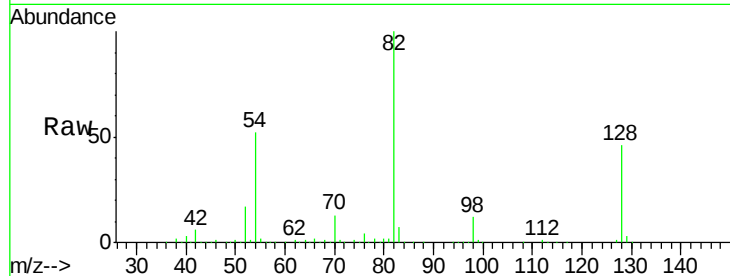




#25
Isophorone
Concen: 40.270 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

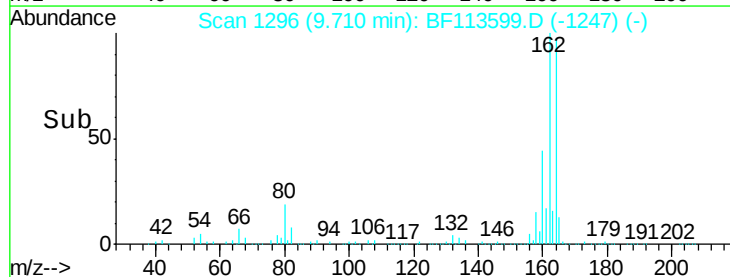
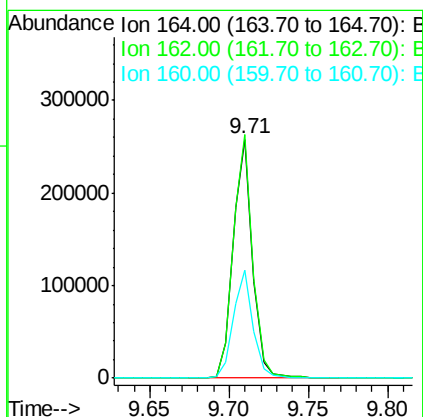
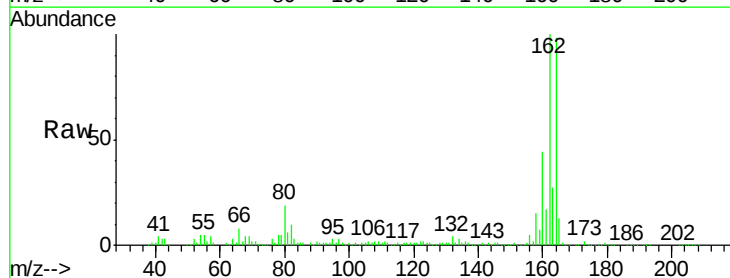
Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 650185
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion:164 Resp: 216095
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 45.2 36.4 54.6

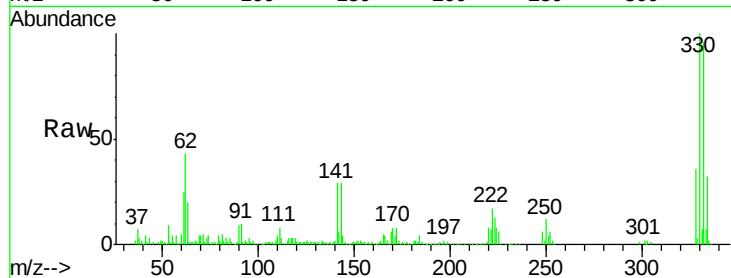




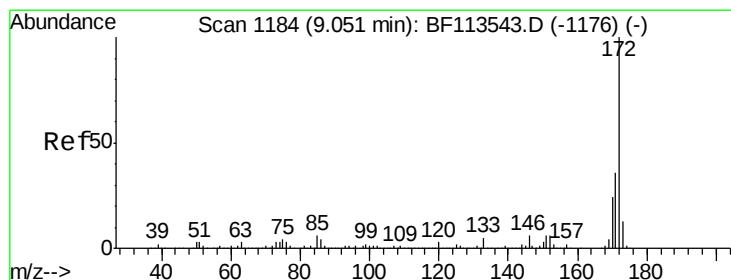
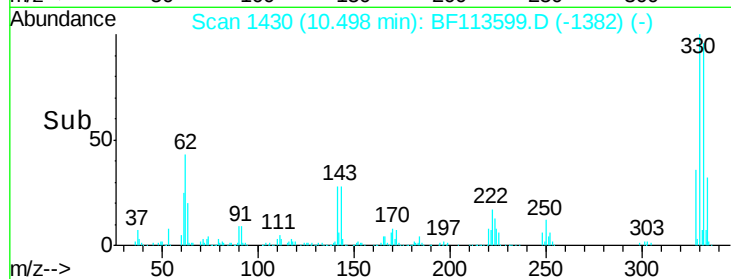
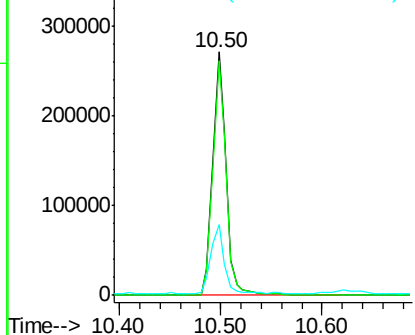
#42
 2,4,6-Tribromophenol
 Concen: 97.002 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113599.D
 Acq: 4 Apr 2019 23:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 251800
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.8 116.6
 141 27.7 22.7 34.1

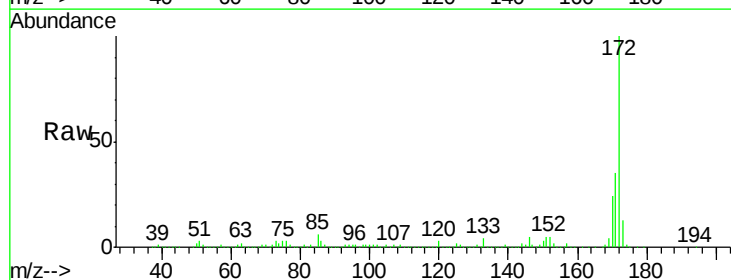


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

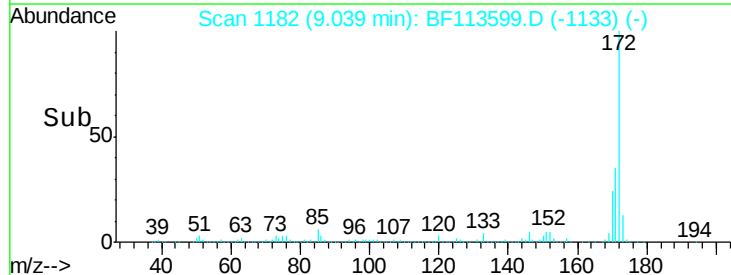
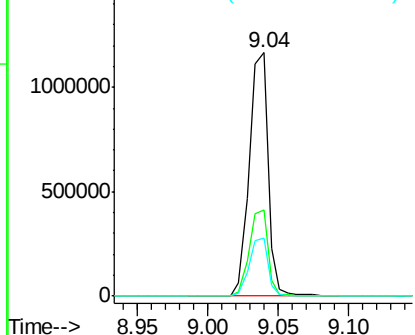


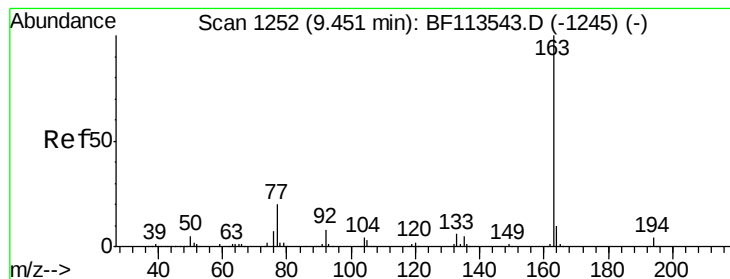
#45
 2-Fluorobiphenyl
 Concen: 82.112 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113599.D
 Acq: 4 Apr 2019 23:00

Tgt Ion:172 Resp: 1102191
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 23.8 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: 6.664 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

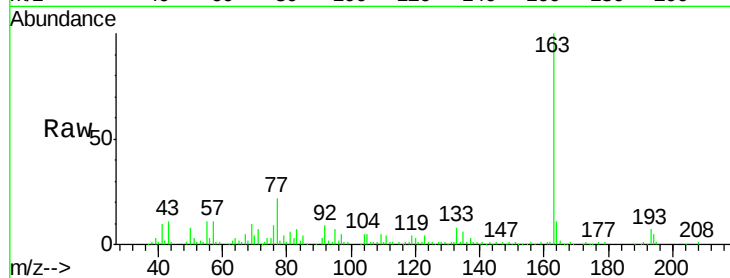
Tot Ion:163 Resp: 106144

Ion Ratio Lower Upper

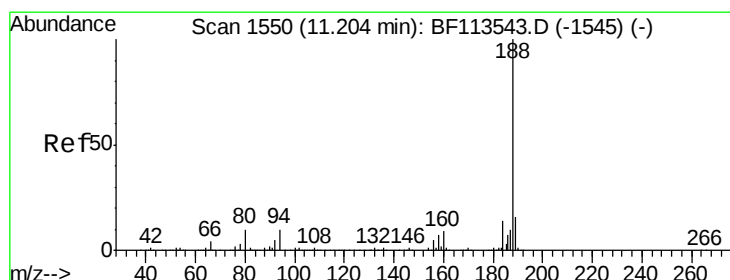
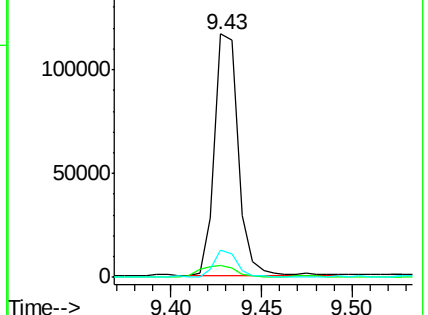
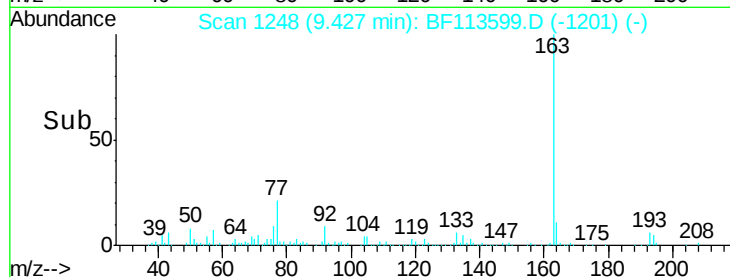
163 100

194 5.0 3.0 4.6#

164 11.3 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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

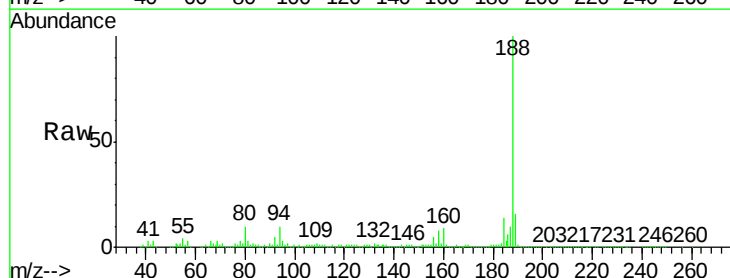
Tgt Ion:188 Resp: 358796

Ion Ratio Lower Upper

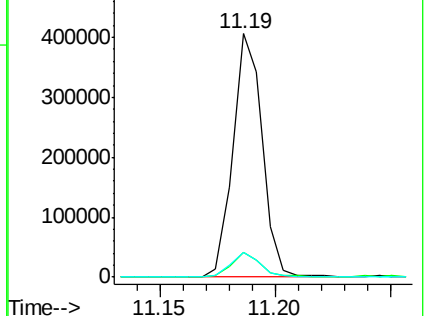
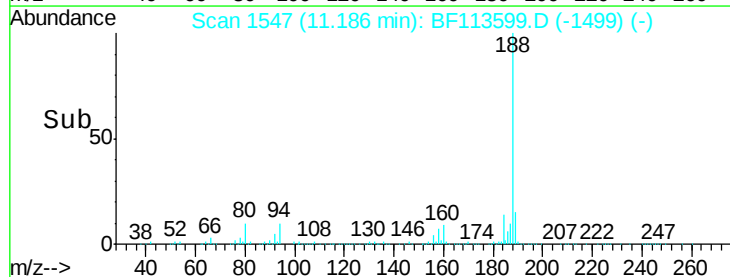
188 100

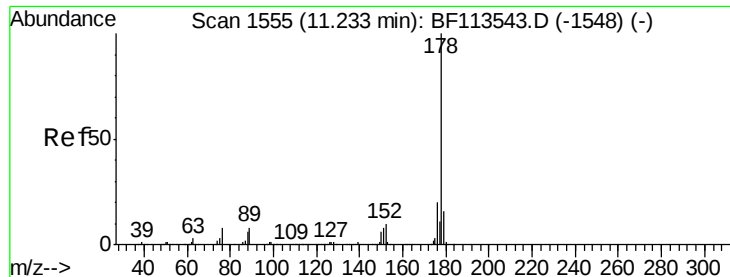
94 10.2 7.0 10.6

80 10.3 7.7 11.5



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

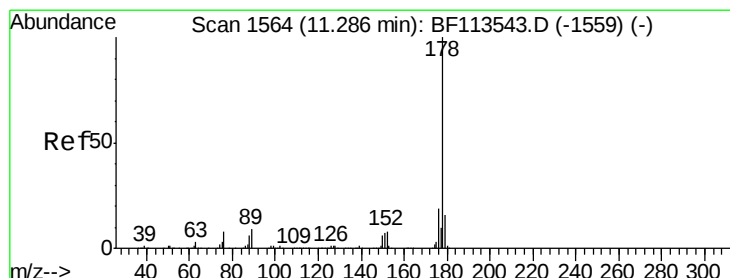
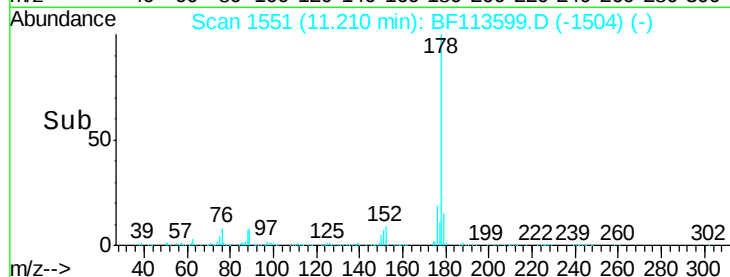
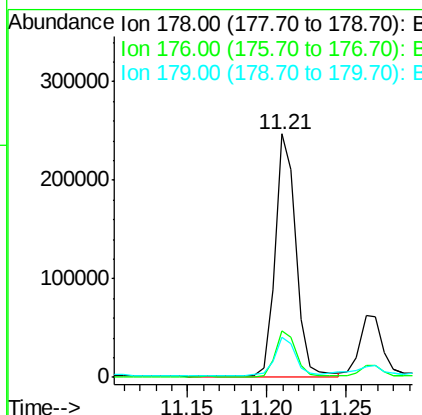
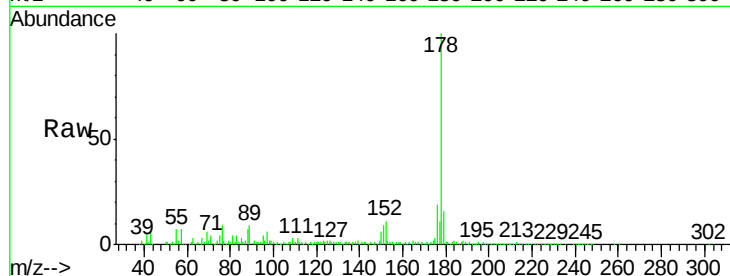




#71
Phenanthrene
Concen: 12.592 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

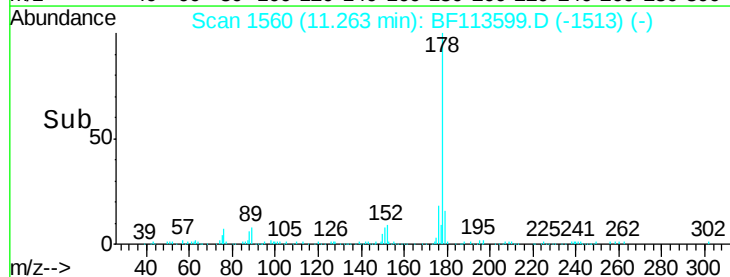
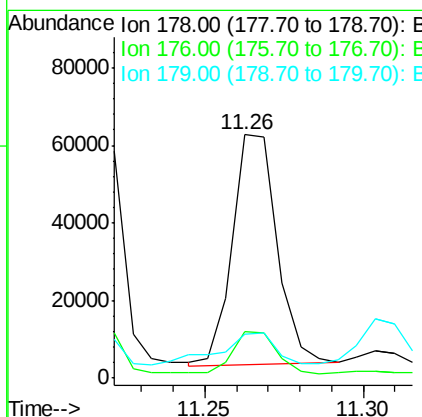
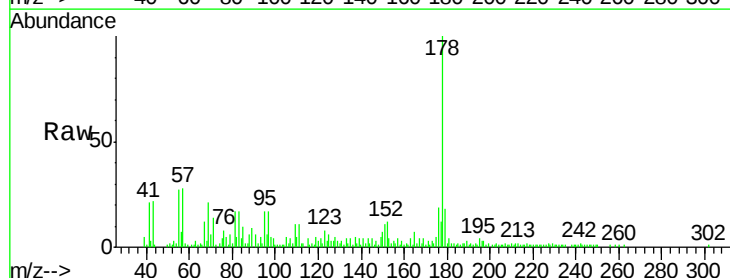
Instrument :
BNA_F
ClientSampleId :

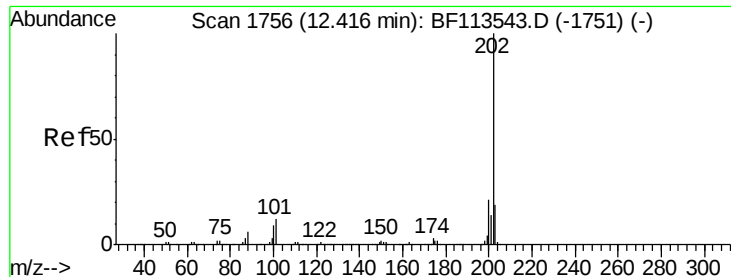
Tot Ion:178 Resp: 224499
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 16.4 12.7 19.1



#72
Anthracene
Concen: 3.170 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion:178 Resp: 57510
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 18.2 12.8 19.2





#75

Fluoranthene

Concen: 20.604 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

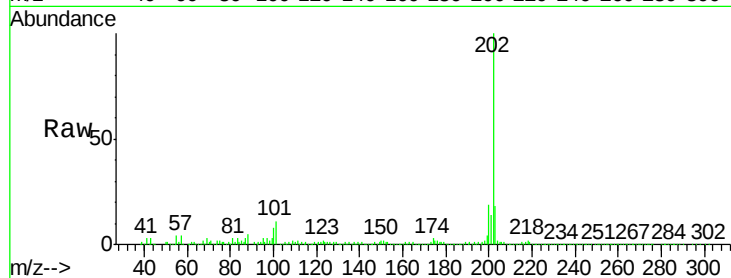
Tot Ion:202 Resp: 393632

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

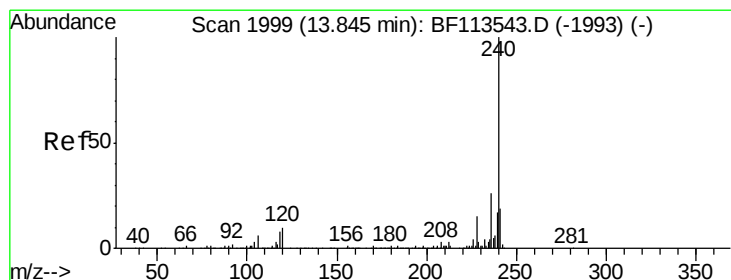
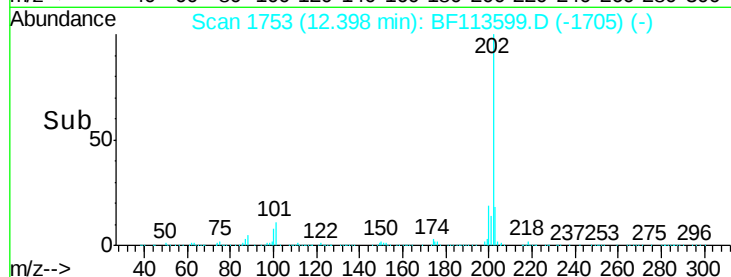
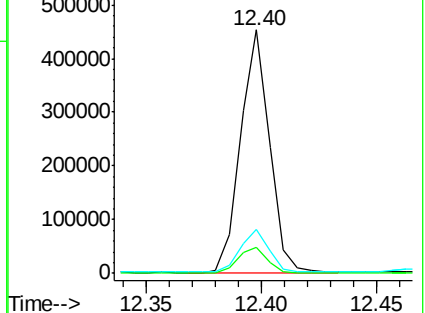
203 17.9 0.0 38.0



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: BF113599.D

Acq: 4 Apr 2019 23:00

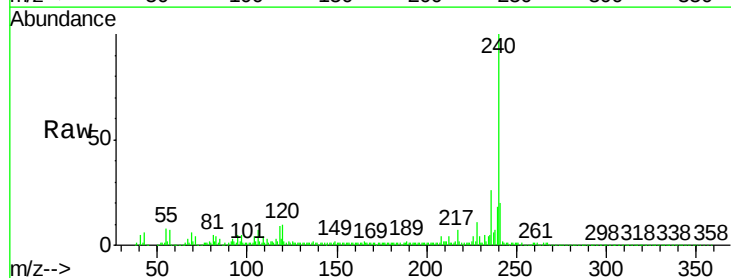
Tgt Ion:240 Resp: 313546

Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

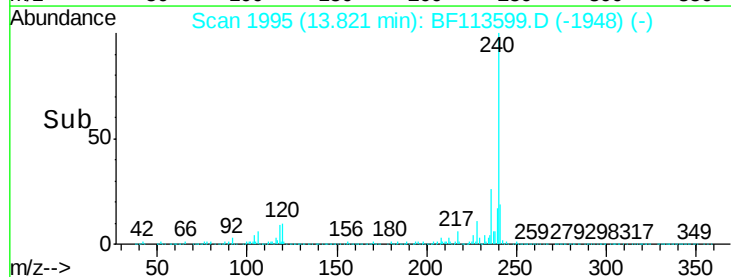
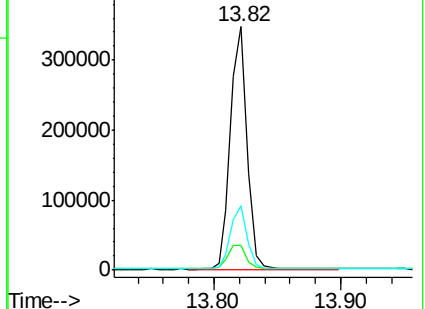
236 26.2 20.9 31.3

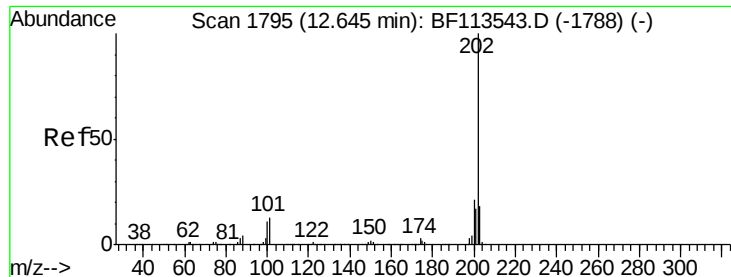


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.276 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampled :

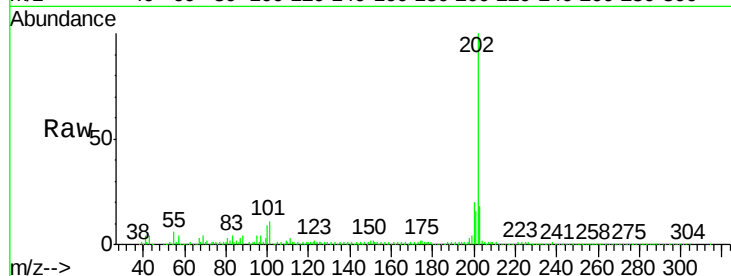
Tot Ion:202 Resp: 388298

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

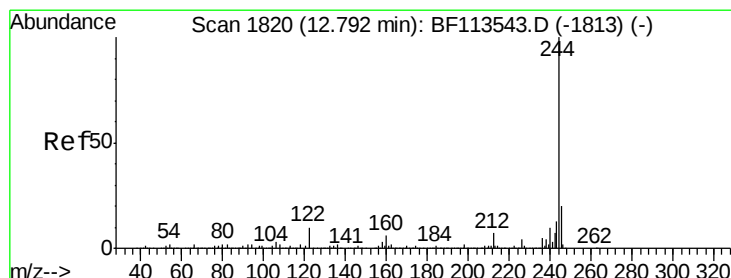
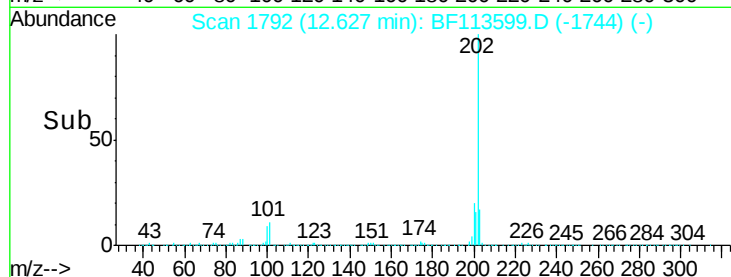
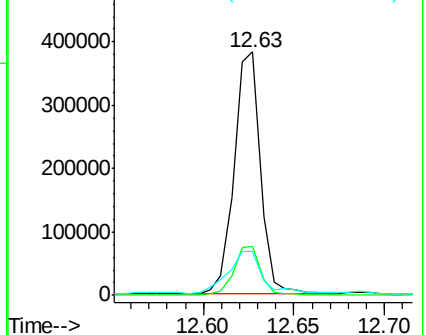
203 17.8 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 60.438 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

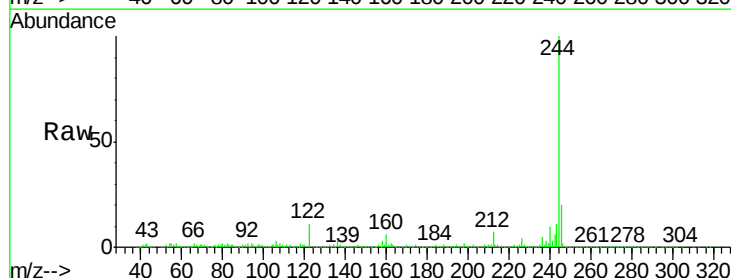
Tgt Ion:244 Resp: 930746

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

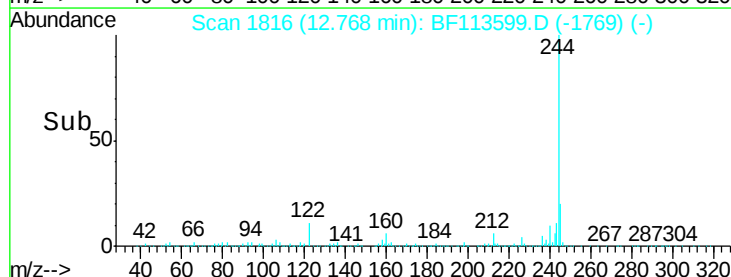
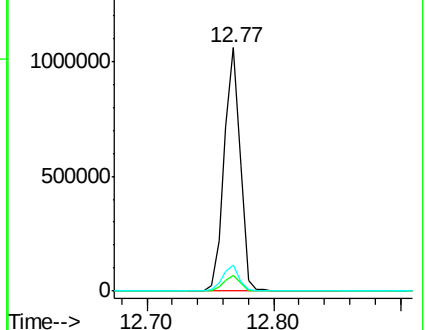
122 10.8 8.6 13.0

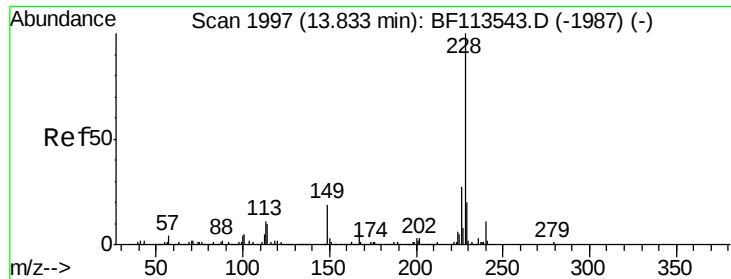


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

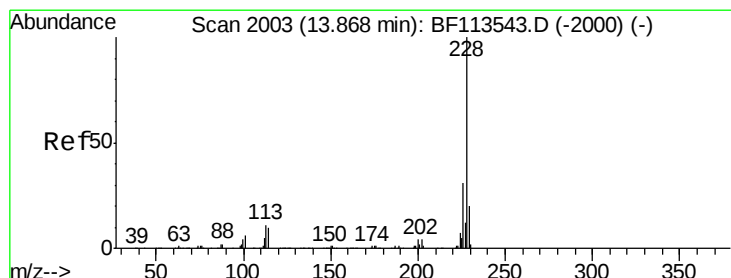
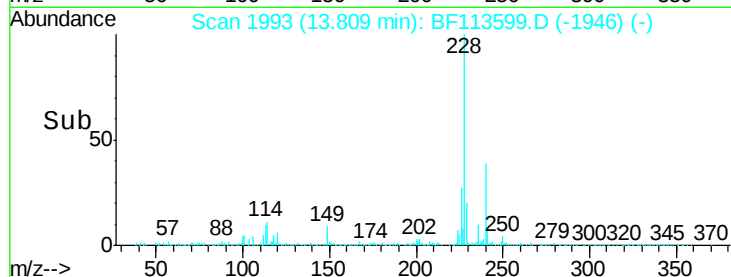
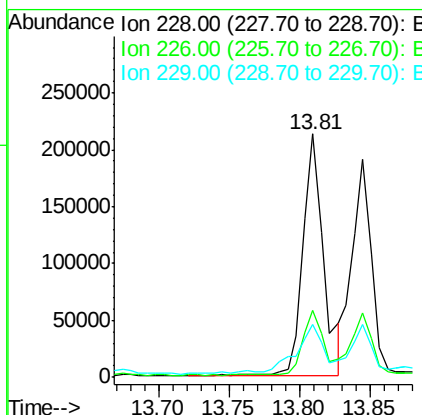
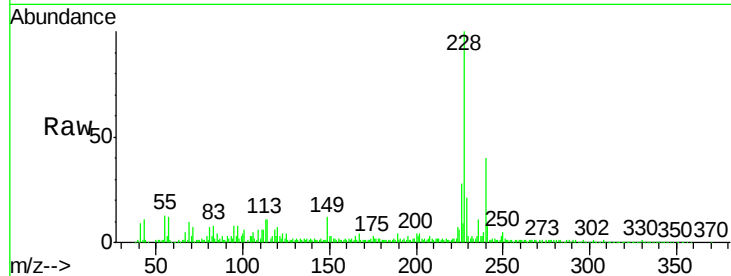




#81
Benzo(a)anthracene
Concen: 11.946 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

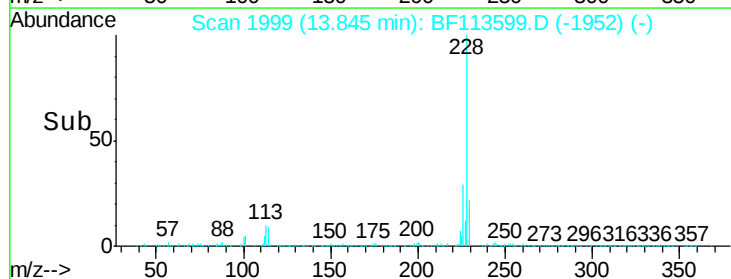
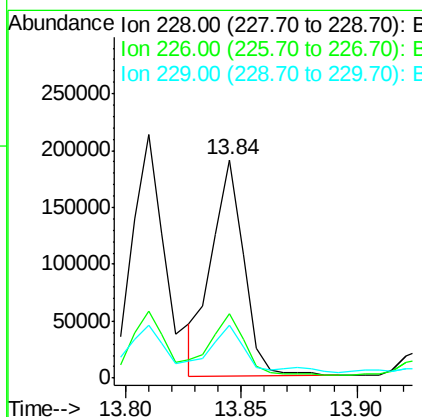
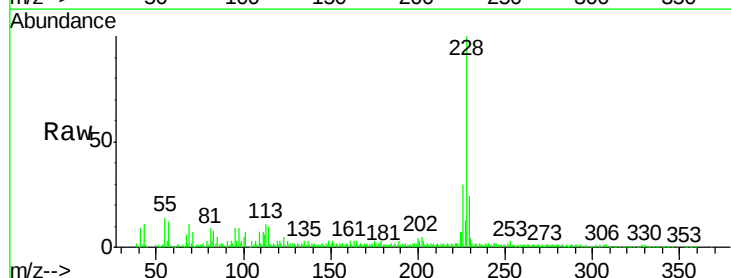
Instrument :
BNA_F
ClientSampleId :

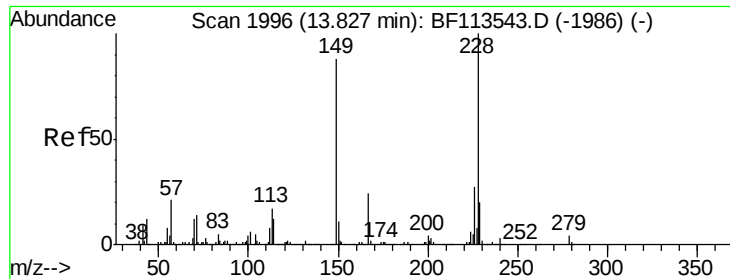
Tot Ion:228 Resp: 216059
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 21.5 16.2 24.4



#83
Chrysene
Concen: 10.026 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion:228 Resp: 183827
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 24.1 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.256 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

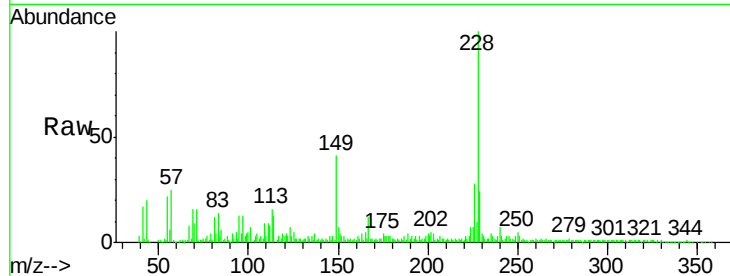
Tot Ion:149 Resp: 49978

Ion Ratio Lower Upper

149 100

167 29.5 21.8 32.8

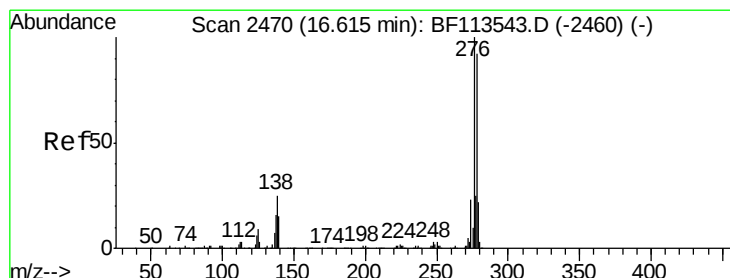
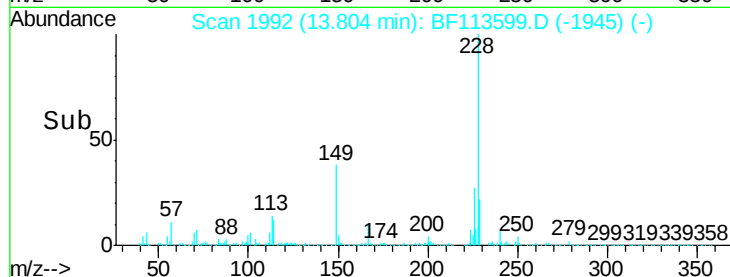
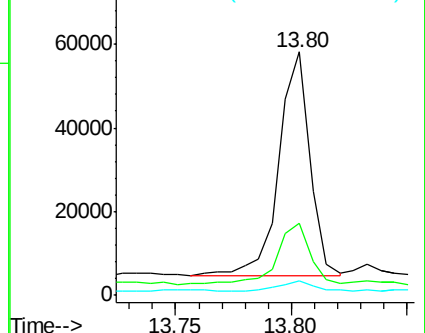
279 6.0 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.716 ng

RT: 16.58 min Scan# 2464

Delta R.T. -0.04 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

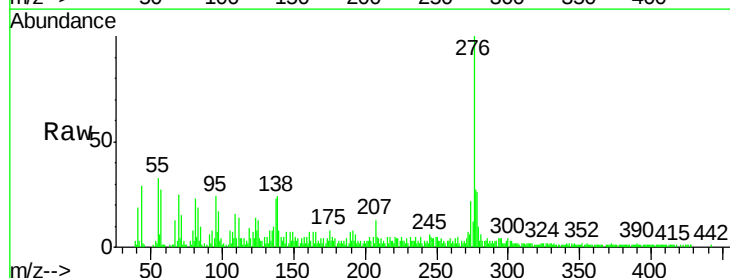
Tgt Ion:276 Resp: 79836

Ion Ratio Lower Upper

276 100

138 20.2 18.1 27.1

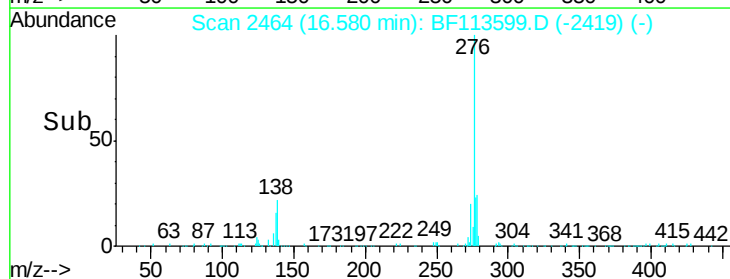
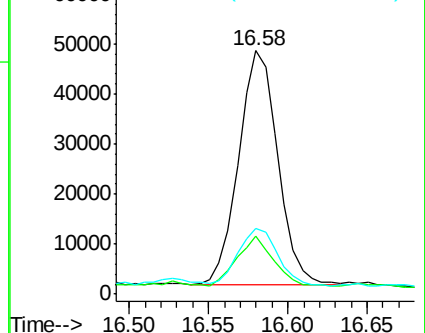
277 25.1 20.2 30.4

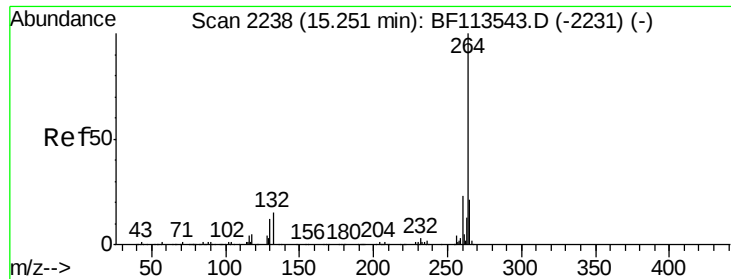


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

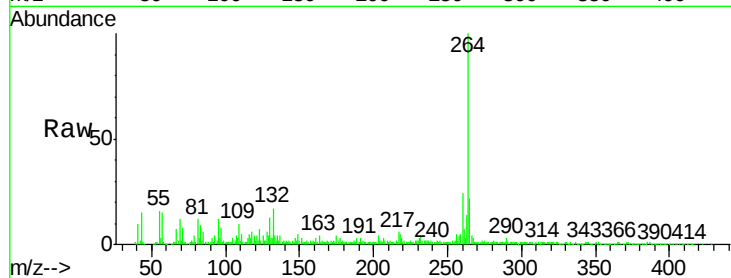
Tot Ion:264 Resp: 229934

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

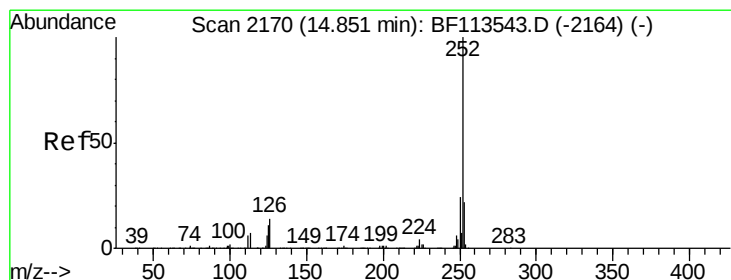
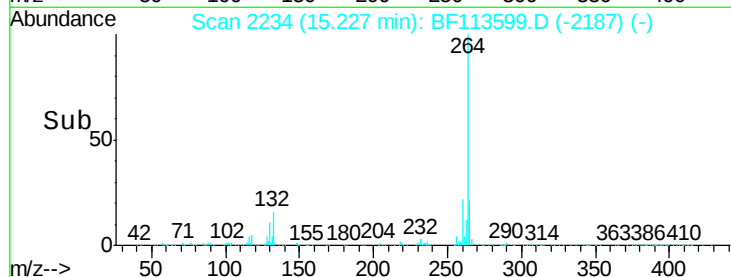
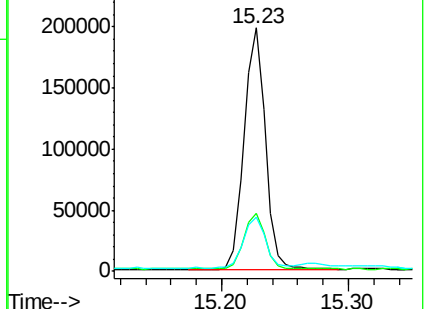
265 22.3 17.1 25.7



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: 19.128 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

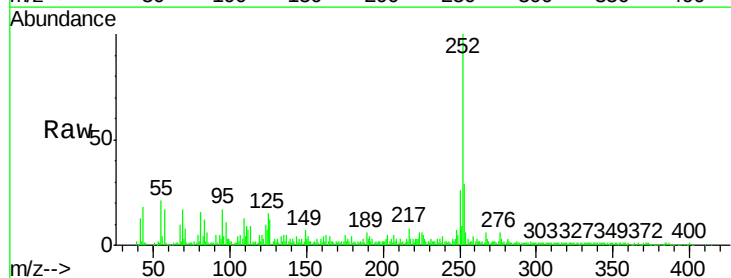
Tgt Ion:252 Resp: 269219

Ion Ratio Lower Upper

252 100

253 29.3 18.0 27.0#

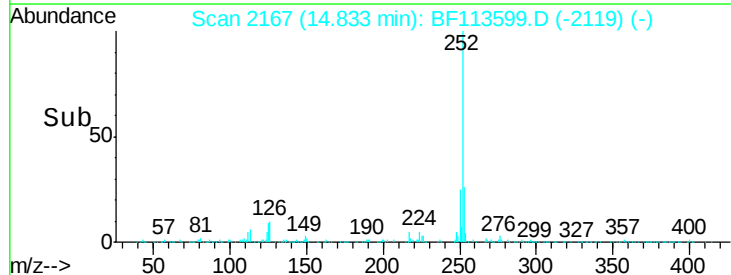
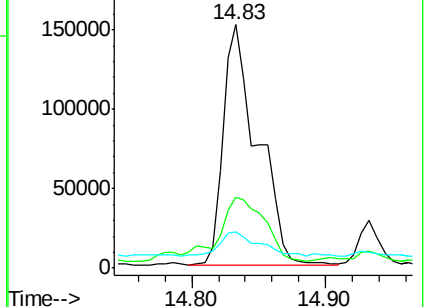
125 14.9 7.6 11.4#

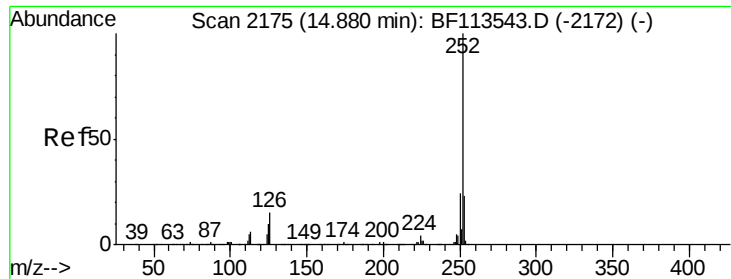


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

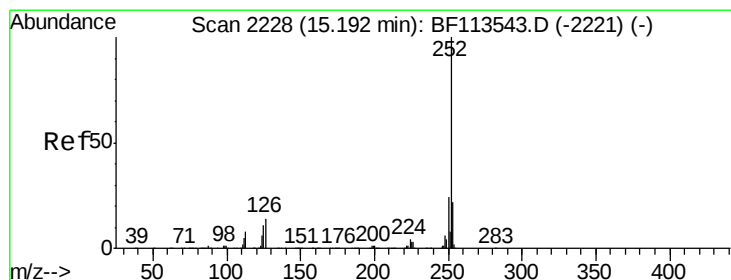
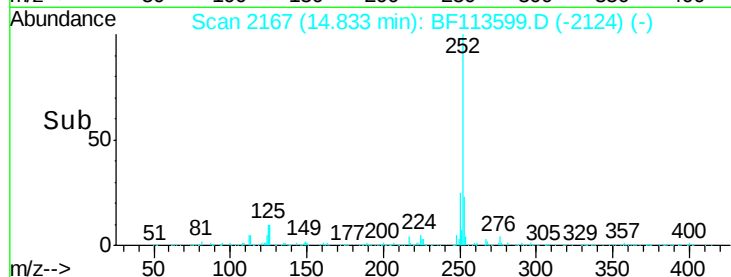
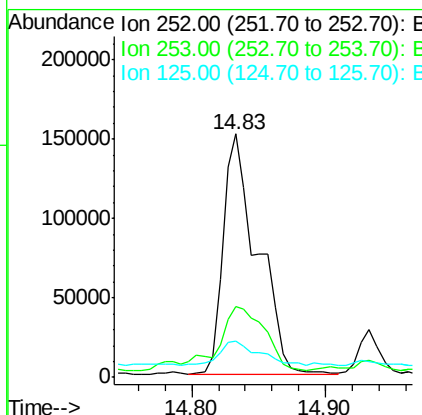
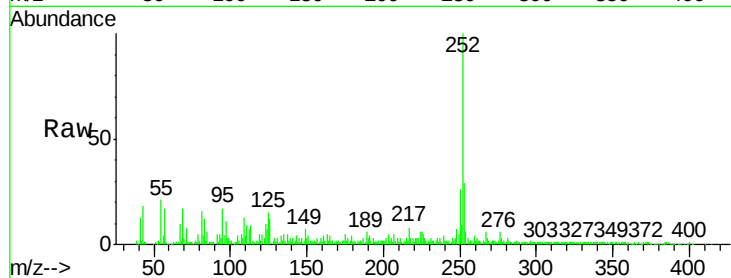




#89
Benzo(k)fluoranthene
Concen: 21.313 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

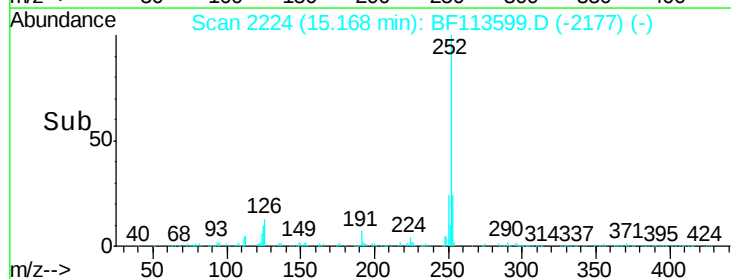
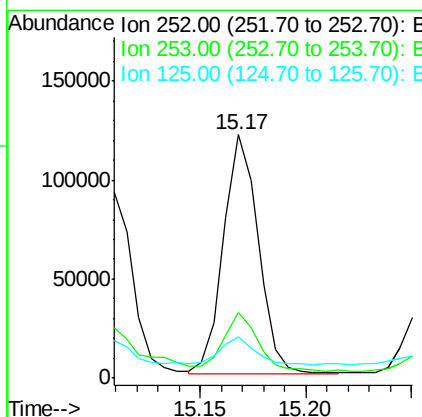
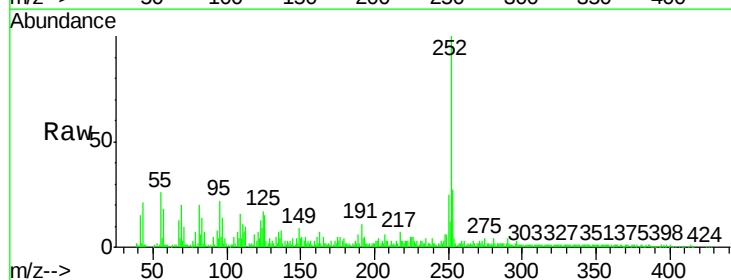
Instrument :
BNA_F
ClientSampleId :

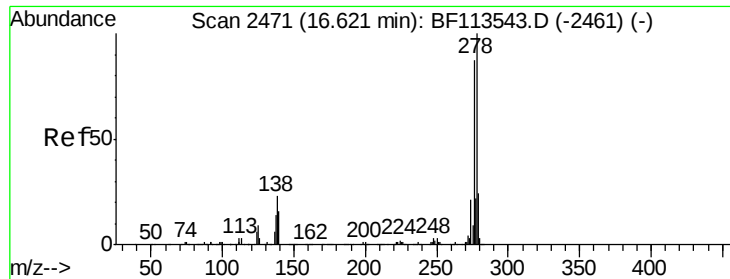
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.7	26.5#
125	14.9	7.3	10.9#



#90
Benzo(a)pyrene
Concen: 11.131 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	16.8	8.8	13.2#

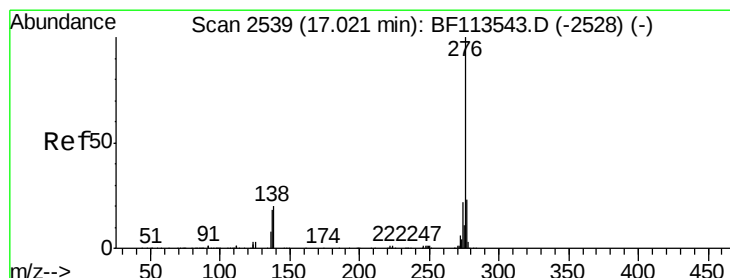
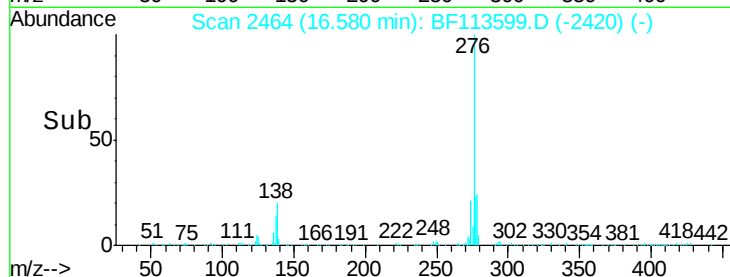
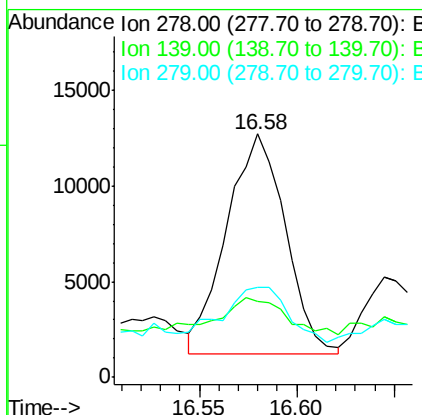
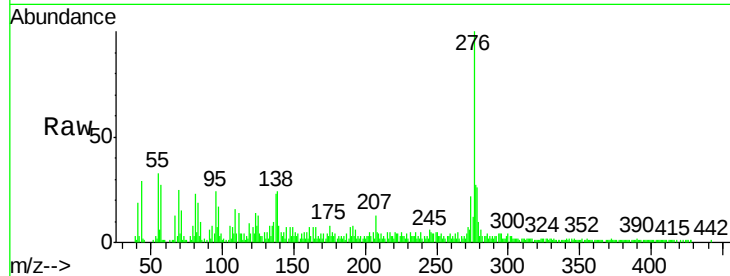




#91
Dibenzo(a,h)anthracene
Concen: 2.049 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.04 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 23967
Ion Ratio Lower Upper
278 100
139 31.4 12.0 18.0#
279 36.8 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 7.060 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion:276 Resp: 84278
Ion Ratio Lower Upper
276 100
277 25.1 18.8 28.2
138 22.3 15.6 23.4

