

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041219\
 Data File : BF113758.D
 Acq On : 13 Apr 2019 00:50
 Operator : JU/SJ
 Sample : K2204-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 01:19:55 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

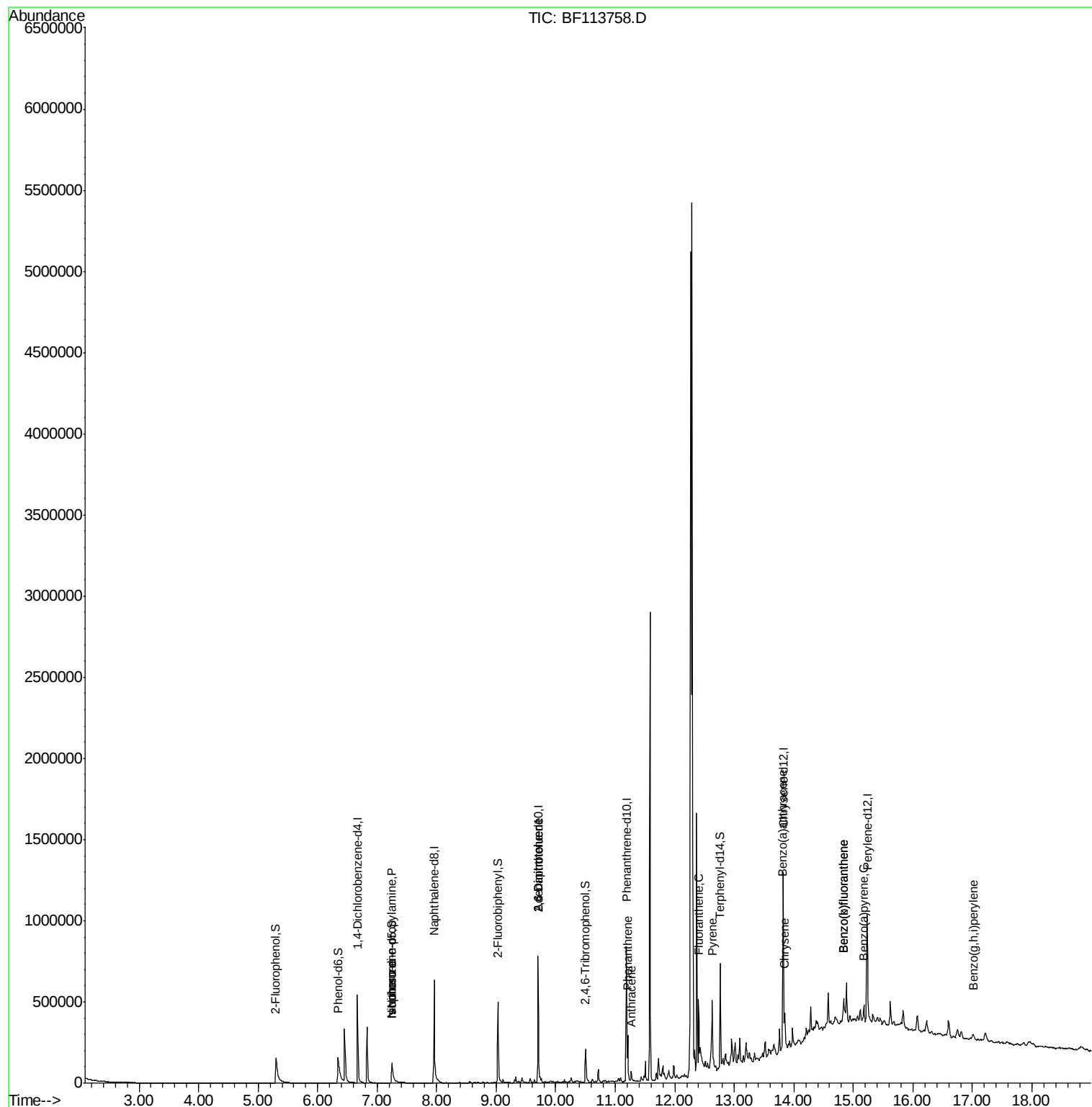
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	107226	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	394199	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	163822	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	327523	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	360936	20.00	ng	-0.02
87) Perylene-d12	15.23	264	254354	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	119785	19.05	ng	0.00
7) Phenol-d6	6.34	99	163986	21.16	ng	0.00
23) Nitrobenzene-d5	7.25	82	91593	13.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	37523	19.07	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	185471	18.23	ng	-0.02
79) Terphenyl-d14	12.76	244	219923	12.41	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	10749	2.249	ng	Qvalue # 80
25) Isophorone	7.25	82	91593	7.065	ng	# 64
51) 2,6-Dinitrotoluene	9.70	165	20861	7.837	ng	# 27
57) 2,4-Dinitrotoluene	9.70	165	20861	6.480	ng	# 23
71) Phenanthrene	11.21	178	111402	6.845	ng	98
72) Anthracene	11.27	178	33990	2.053	ng	99
75) Fluoranthene	12.40	202	188424	10.804	ng	98
78) Pyrene	12.63	202	179720	6.544	ng	98
81) Benzo(a)anthracene	13.81	228	88301	4.241	ng	97
83) Chrysene	13.85	228	87561	4.149	ng	96
88) Benzo(b)fluoranthene	14.84	252	110347	7.087	ng	# 92
89) Benzo(k)fluoranthene	14.84	252	110347	7.897	ng	# 91
90) Benzo(a)pyrene	15.17	252	55890	4.040	ng	# 92
92) Benzo(a,h,i)perylene	17.02	276	28014	2.121	ng	# 89

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

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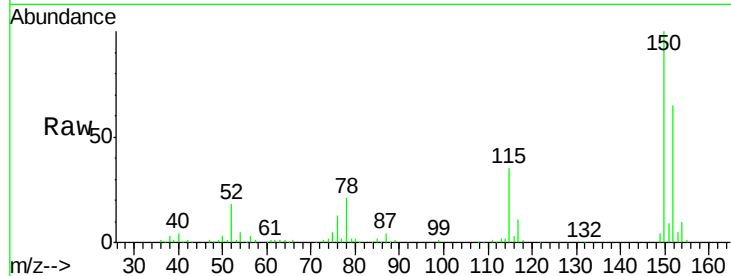


#1

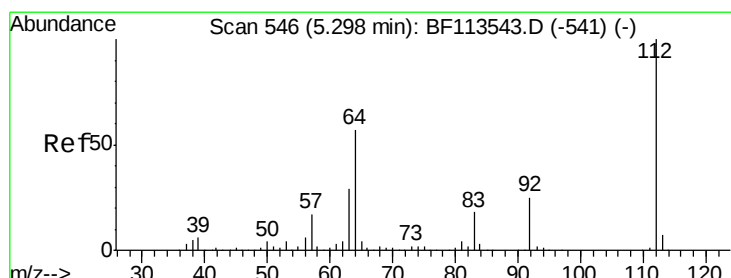
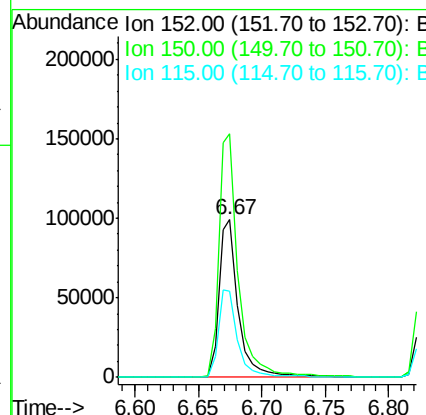
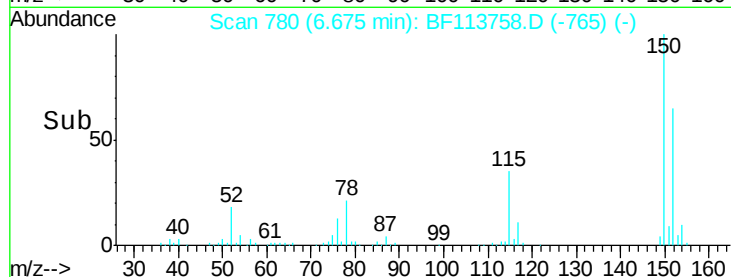
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107226
Ion Ratio Lower Upper
152 100
150 154.8 124.7 187.1
115 54.9 46.0 69.0



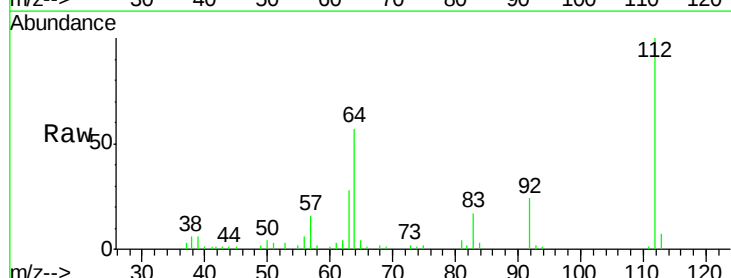
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



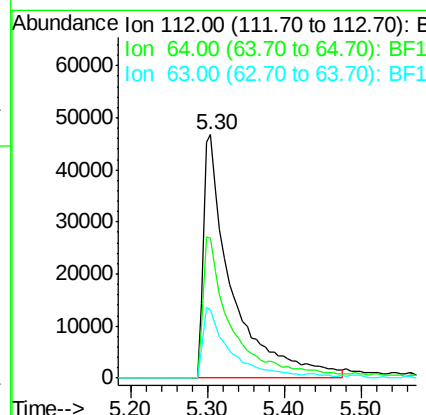
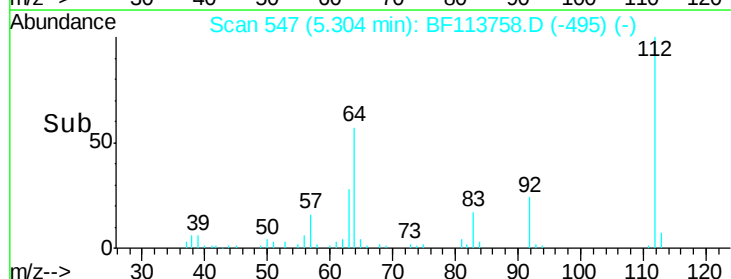
#5

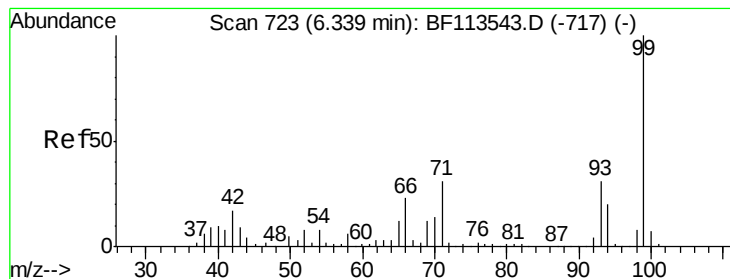
2-Fluorophenol
Concen: 19.050 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Tgt Ion:112 Resp: 119785
Ion Ratio Lower Upper
112 100
64 57.5 49.2 73.8
63 28.1 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: 21.159 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Instrument :

BNA_F

ClientSampleId :

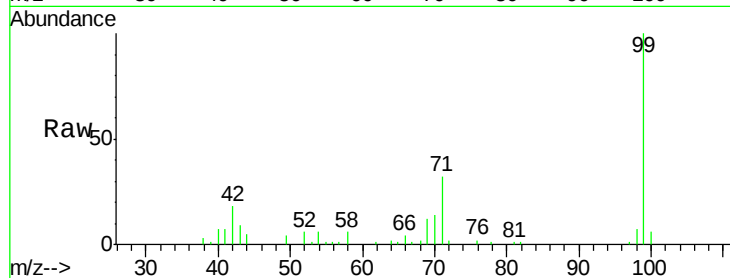
Tot Ion: 99 Resp: 163986

Ion Ratio Lower Upper

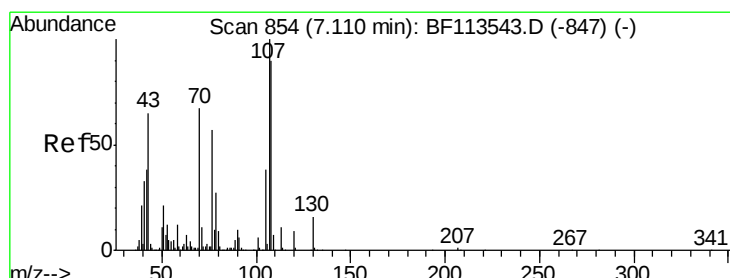
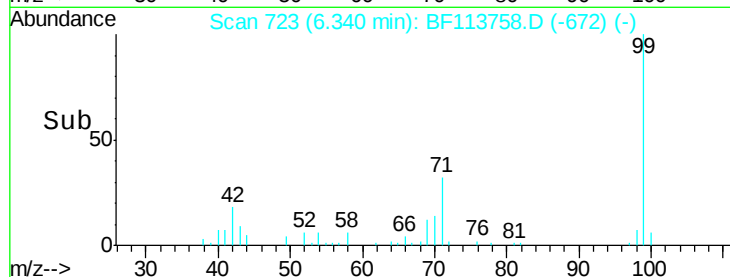
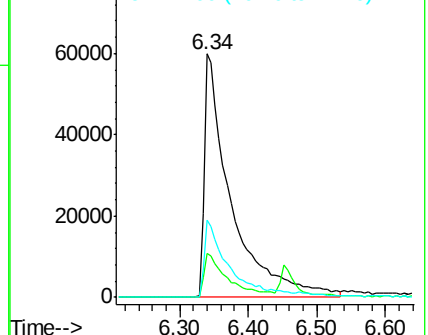
99 100

42 18.2 14.8 22.2

71 31.6 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: 2.249 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Tgt Ion: 70 Resp: 10749

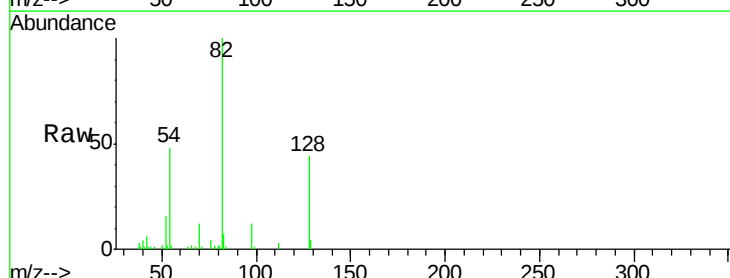
Ion Ratio Lower Upper

70 100

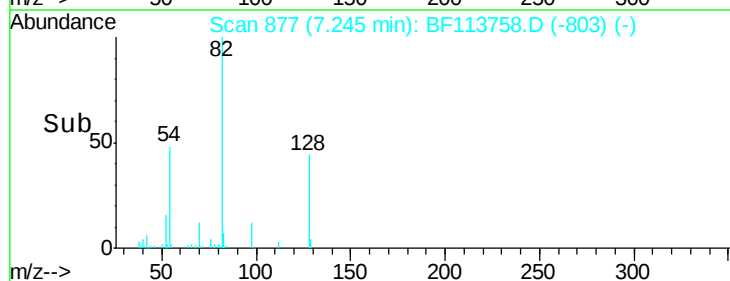
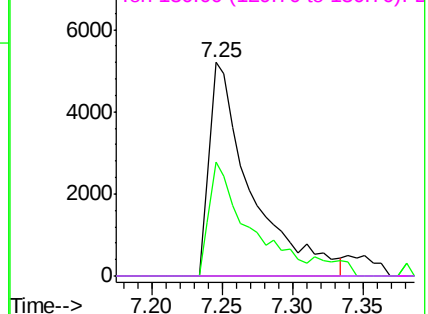
42 53.5 48.4 72.6

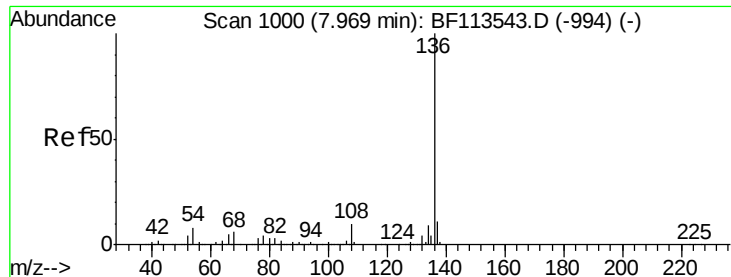
101 0.0 7.8 11.8#

130 0.0 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

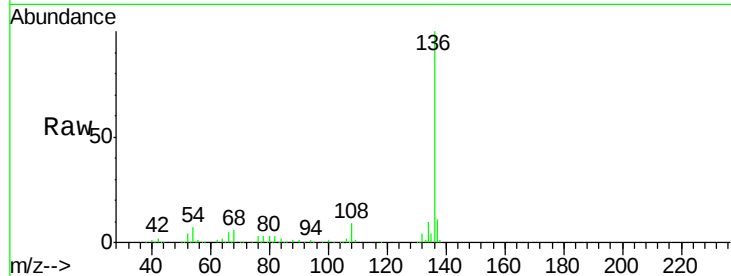




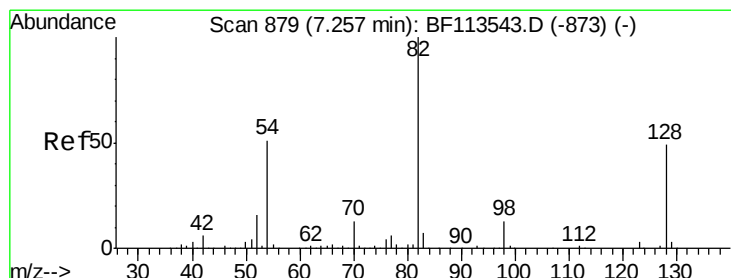
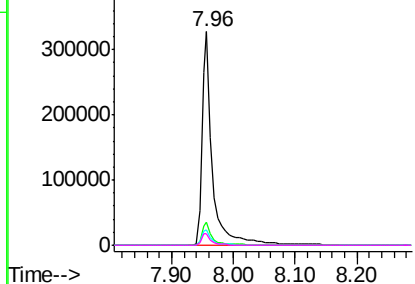
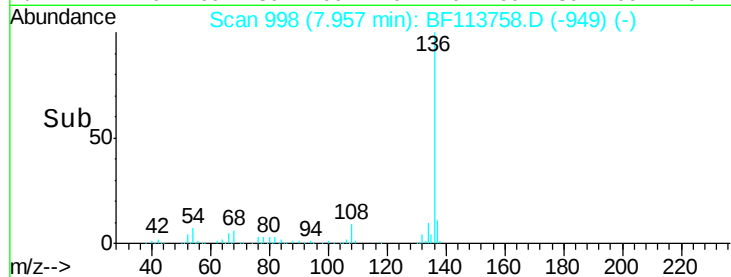
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	394199
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	7.4	7.0 10.6
68	5.7	4.8 7.2

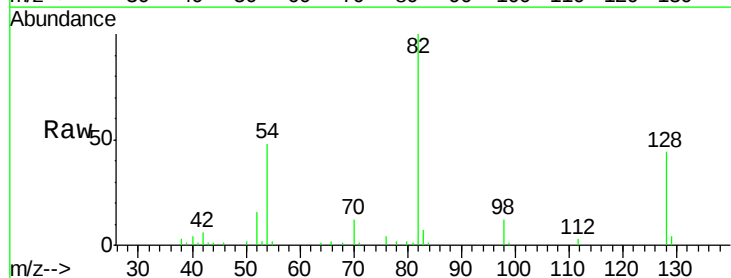


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

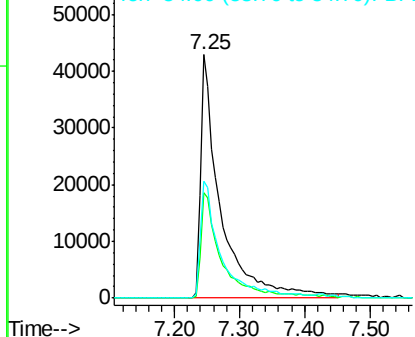
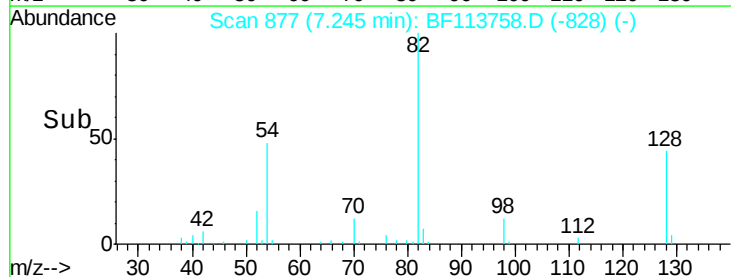


#23
Nitrobenzene-d5
Concen: 13.610 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Tgt Ion: 82	Resp:	91593
Ion	Ratio	Lower Upper
82	100	
128	43.5	36.5 54.7
54	48.1	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

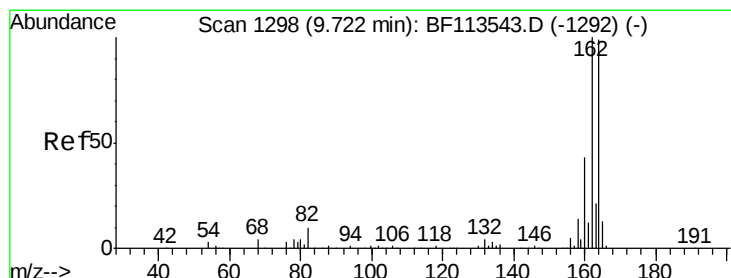
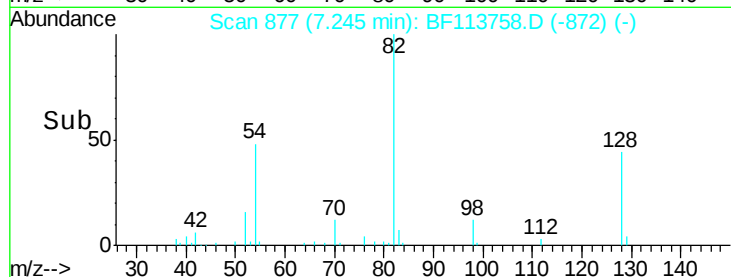
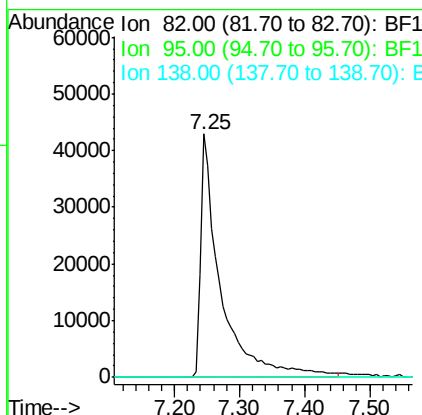
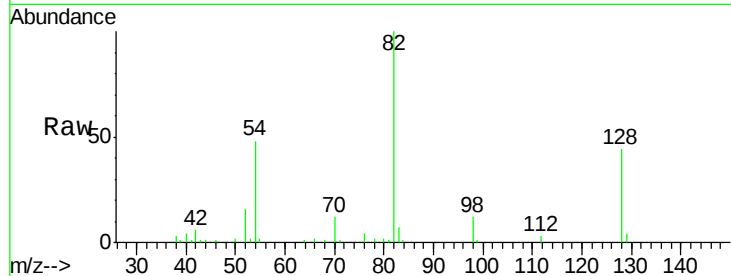




#25
Isophorone
Concen: 7.065 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

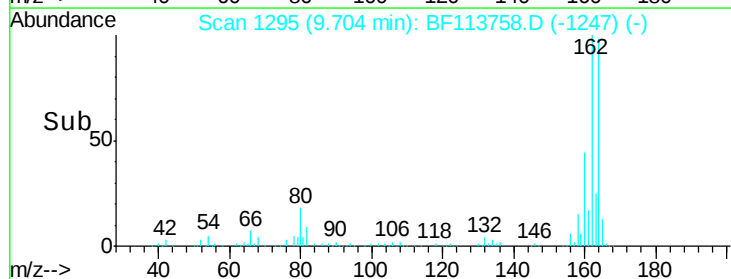
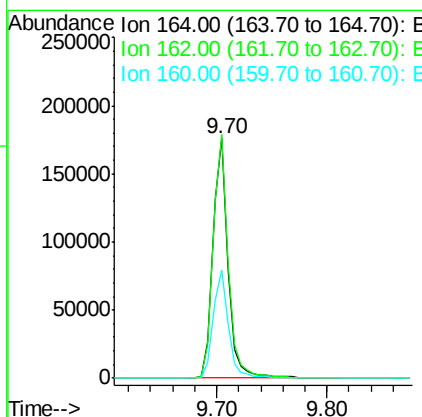
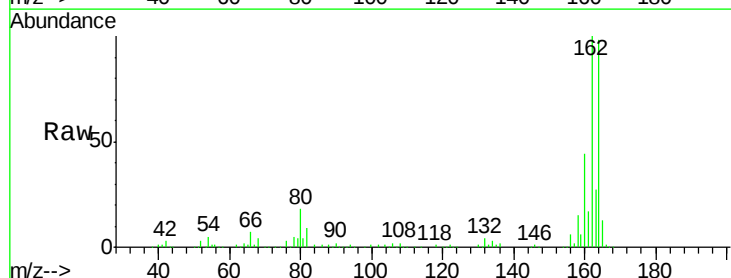
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 91593
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Tgt Ion:164 Resp: 163822
Ion Ratio Lower Upper
164 100
162 101.7 81.8 122.6
160 45.1 36.4 54.6

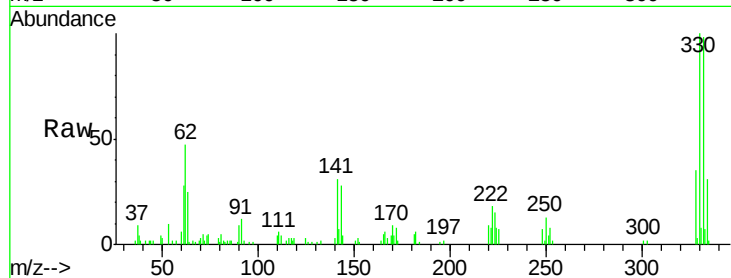




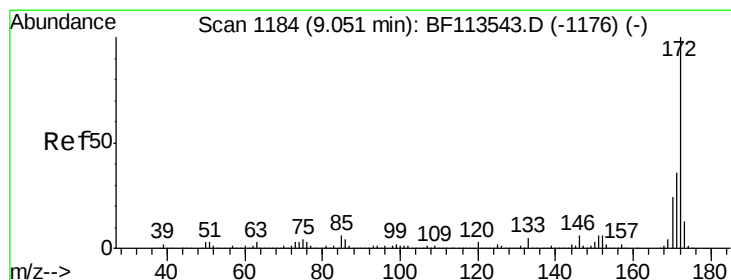
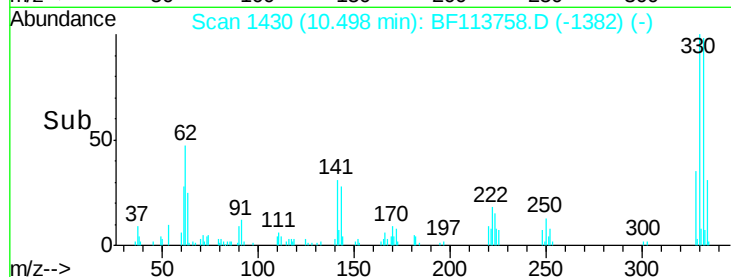
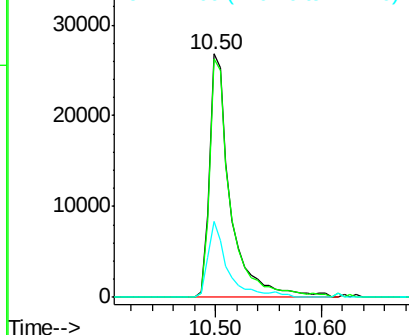
#42
 2,4,6-Tribromophenol
 Concen: 19.068 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113758.D
 Acq: 13 Apr 2019 00:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 37523
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.8 116.6
 141 29.2 22.7 34.1

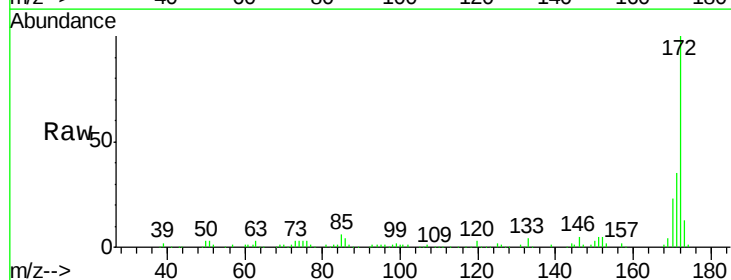


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

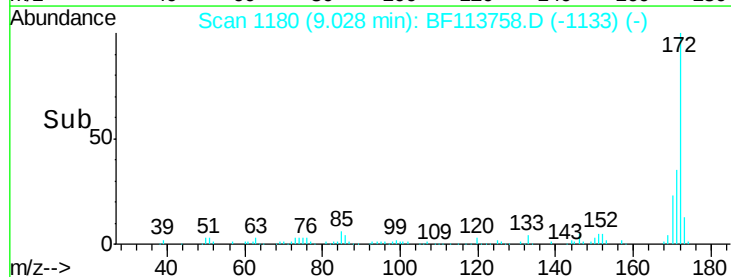
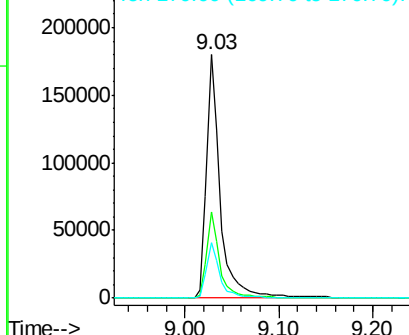


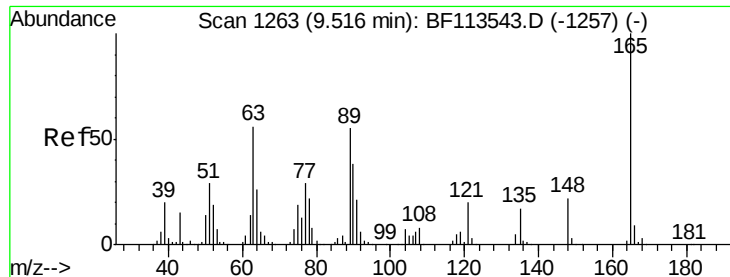
#45
 2-Fluorobiphenyl
 Concen: 18.226 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113758.D
 Acq: 13 Apr 2019 00:50

Tgt Ion:172 Resp: 185471
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 22.6 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

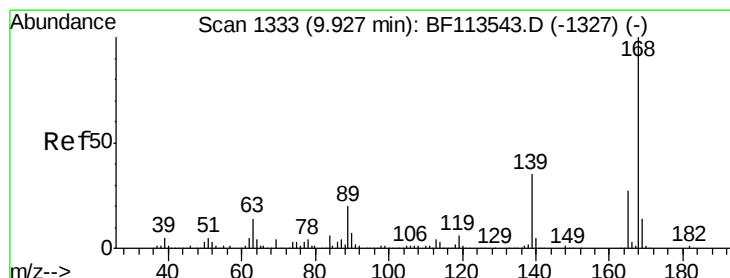
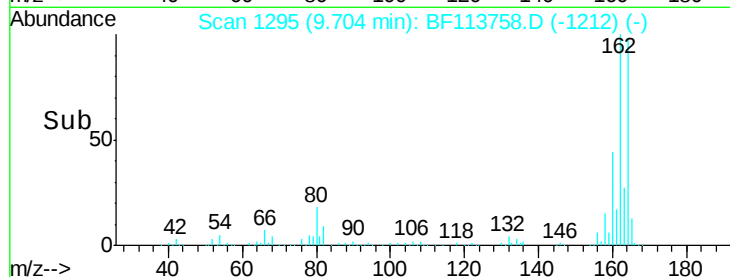
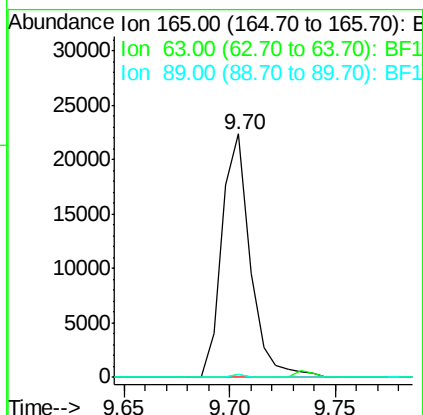
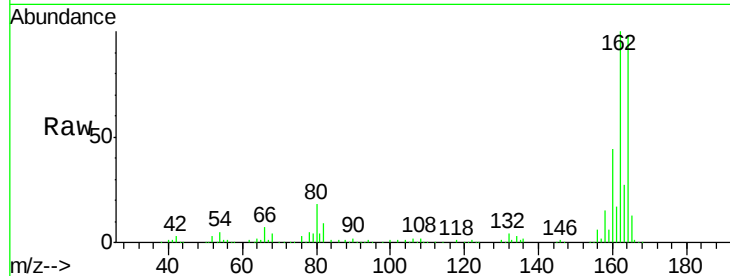




#51
 2,6-Dinitrotoluene
 Concen: 7.837 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.19 min
 Lab File: BF113758.D
 Acq: 13 Apr 2019 00:50

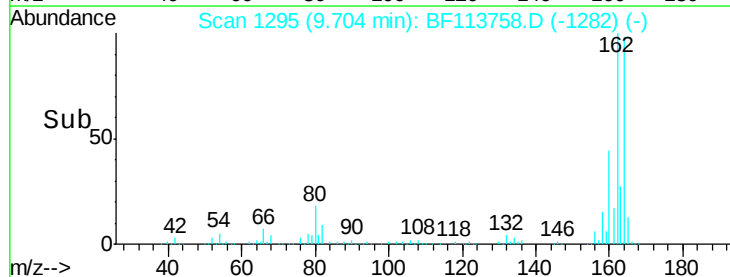
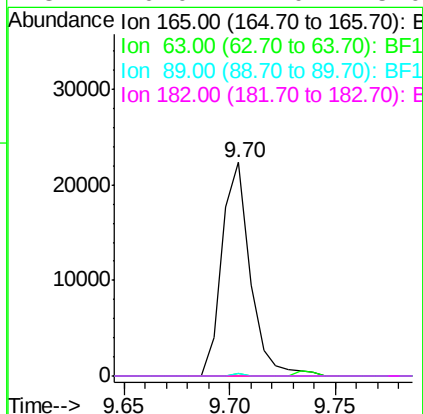
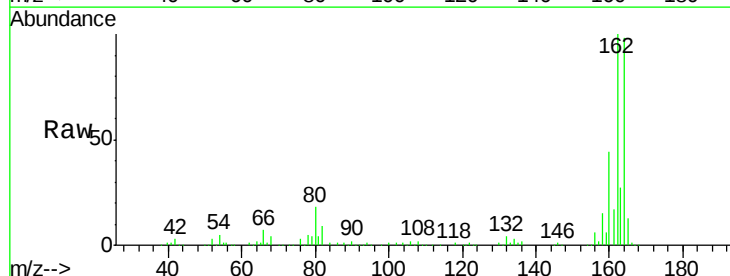
Instrument :
 BNA_F
 ClientSampleId :

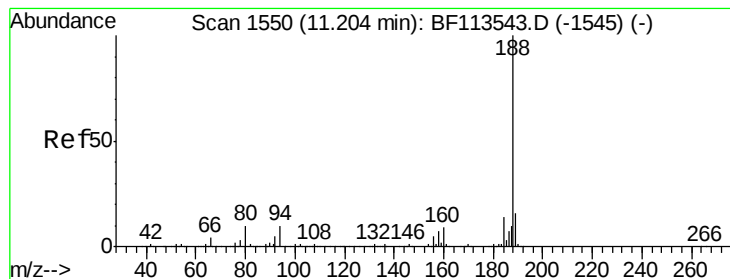
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	43.4	65.0#
89	1.4	43.1	64.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.480 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.22 min
 Lab File: BF113758.D
 Acq: 13 Apr 2019 00:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	37.5	56.3#
89	1.4	57.4	86.2#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Instrument :

BNA_F

ClientSampleId :

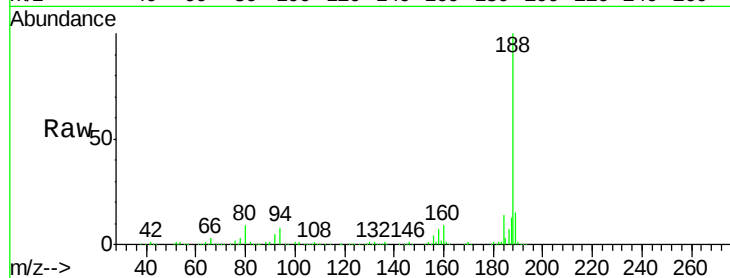
Tot Ion:188 Resp: 327523

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

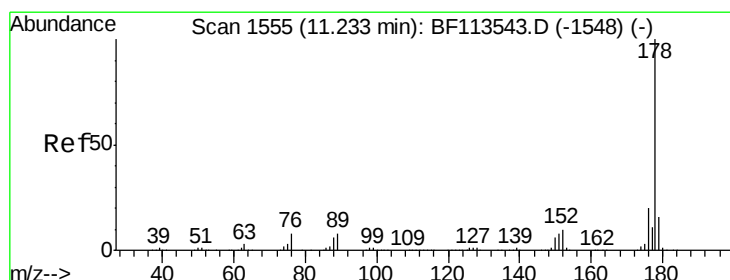
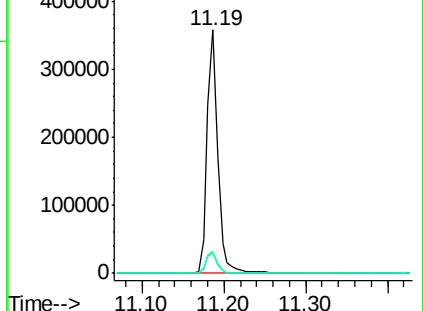
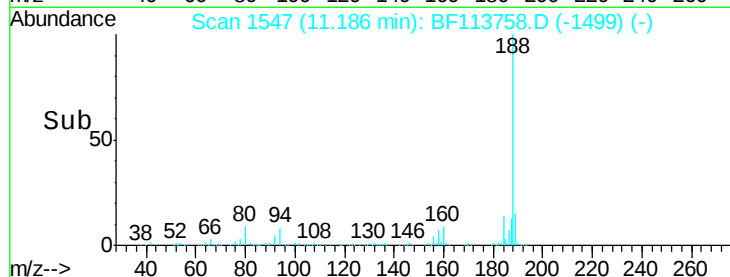
80 9.0 7.7 11.5



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: 6.845 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

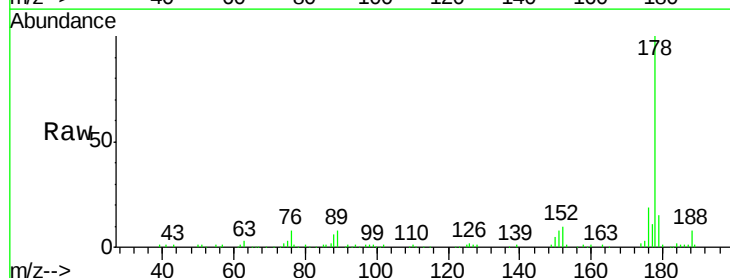
Tgt Ion:178 Resp: 111402

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

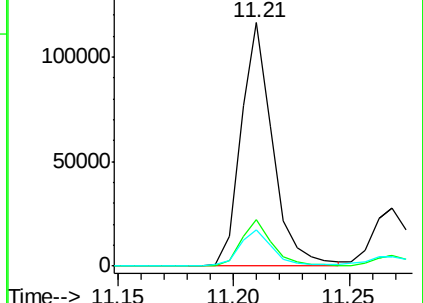
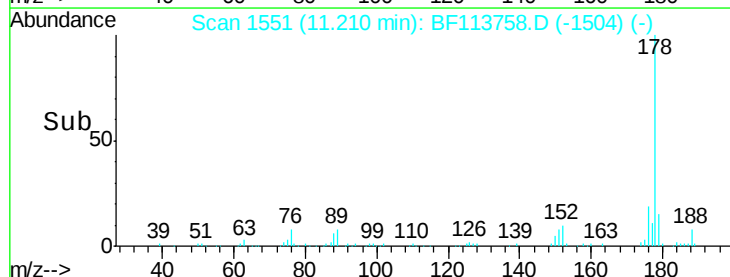
179 15.0 12.7 19.1

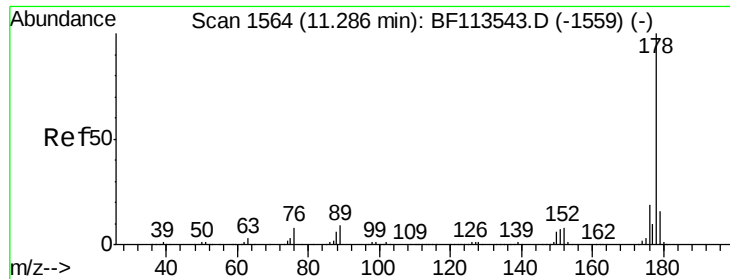


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.053 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

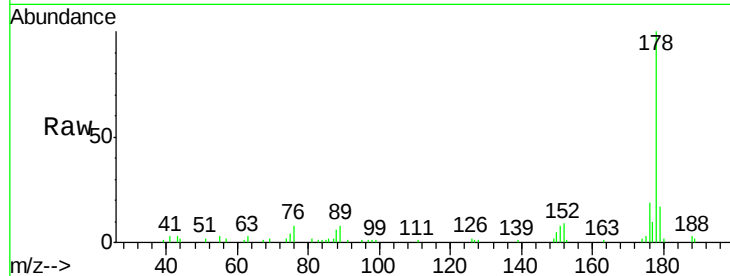
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 33990

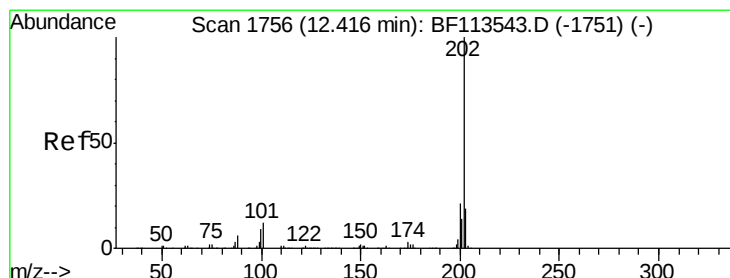
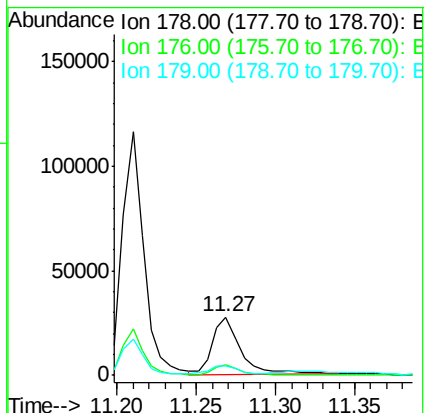
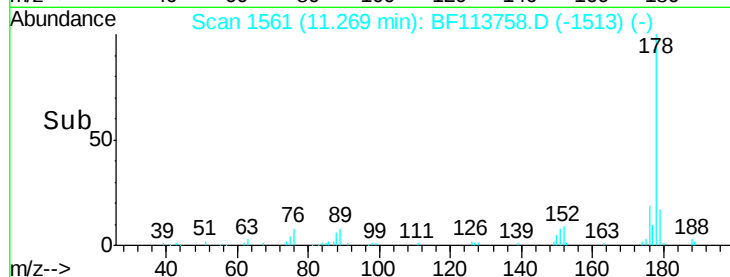
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.8	12.8	19.2



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



#75

Fluoranthene

Concen: 10.804 ng

RT: 12.40 min Scan# 1753

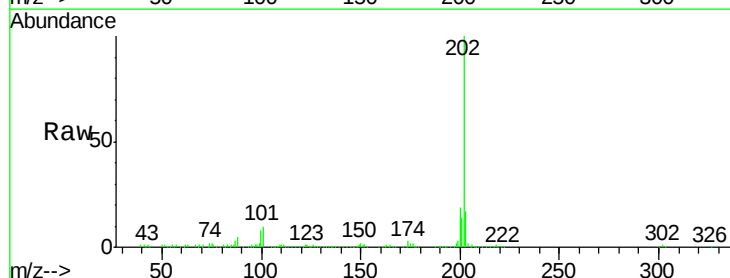
Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Tgt Ion:202 Resp: 188424

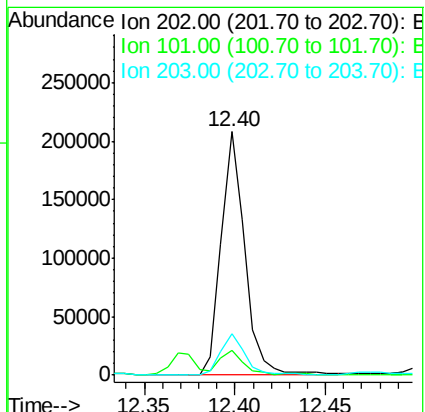
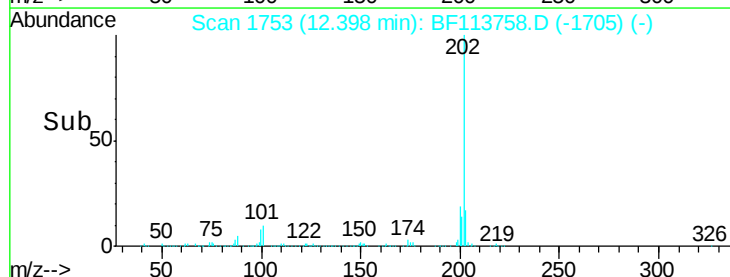
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.1	0.0	38.0

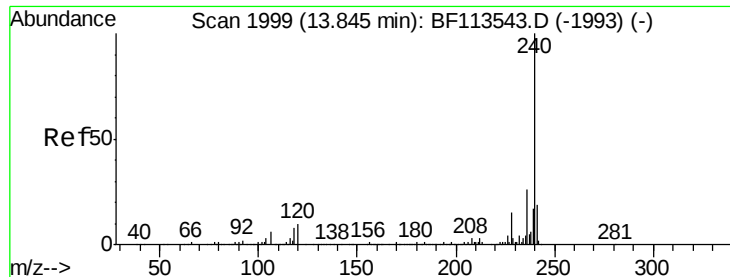


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF113758.D

Acq: 13 Apr 2019 00:50

Instrument :

BNA_F

ClientSampleId :

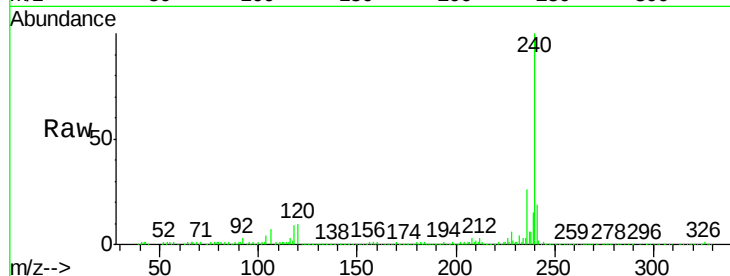
Tot Ion:240 Resp: 360936

Ion Ratio Lower Upper

240 100

120 10.2 8.8 13.2

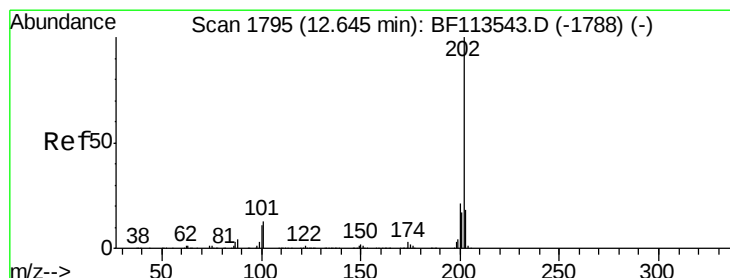
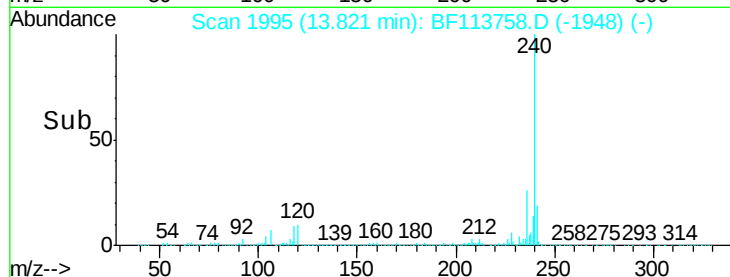
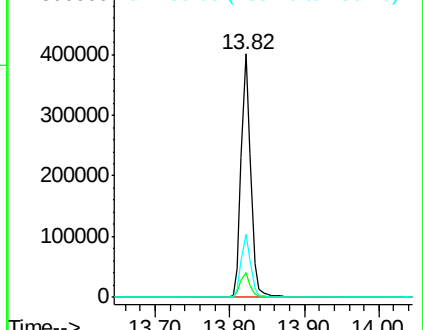
236 25.9 20.9 31.3



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

Pyrene

Concen: 6.544 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

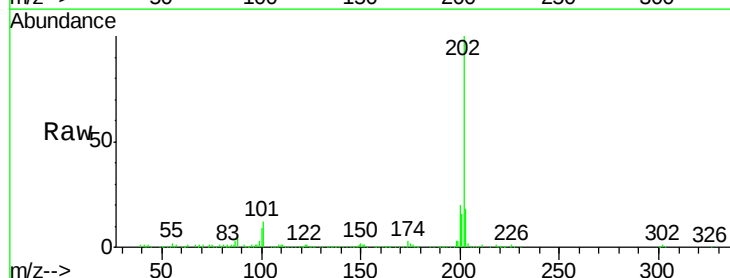
Tgt Ion:202 Resp: 179720

Ion Ratio Lower Upper

202 100

200 20.0 16.8 25.2

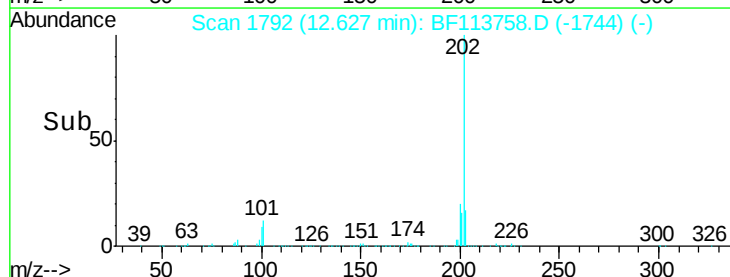
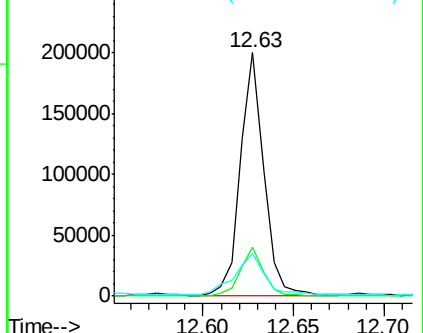
203 17.6 14.4 21.6

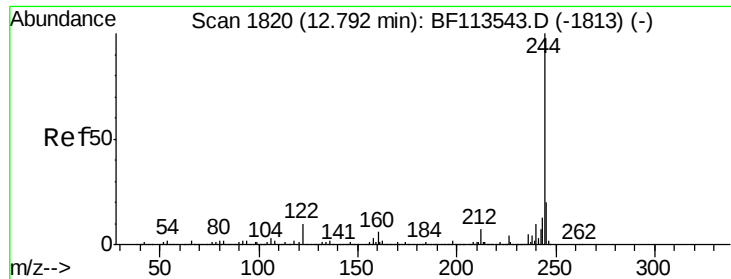


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.406 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Instrument :

BNA_F

ClientSampleId :

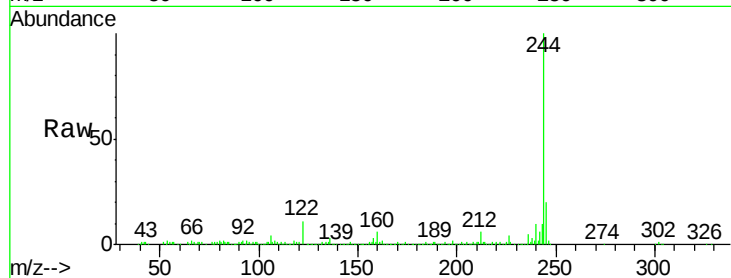
Tot Ion:244 Resp: 219923

Ion Ratio Lower Upper

244 100

212 6.3 5.5 8.3

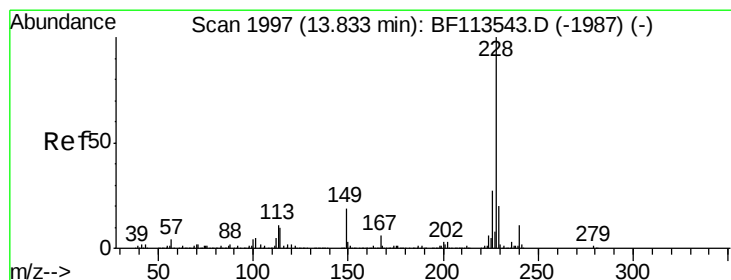
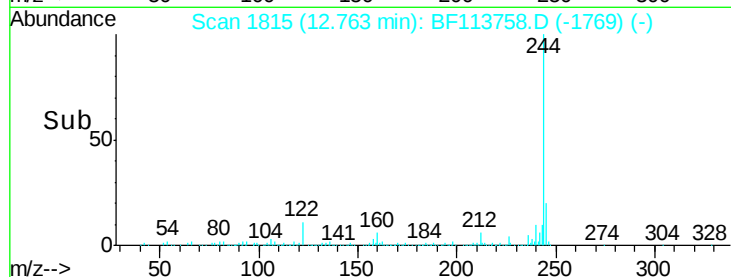
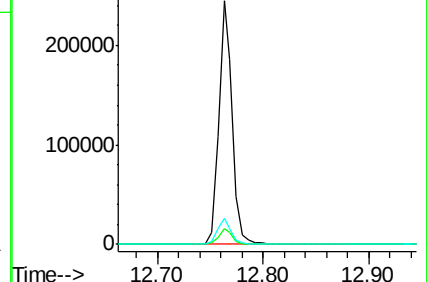
122 10.8 8.6 13.0



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: 4.241 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

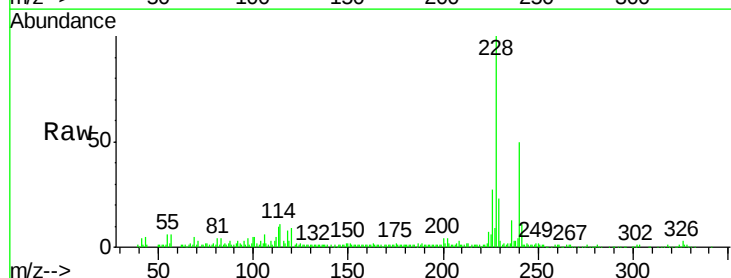
Tgt Ion:228 Resp: 88301

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

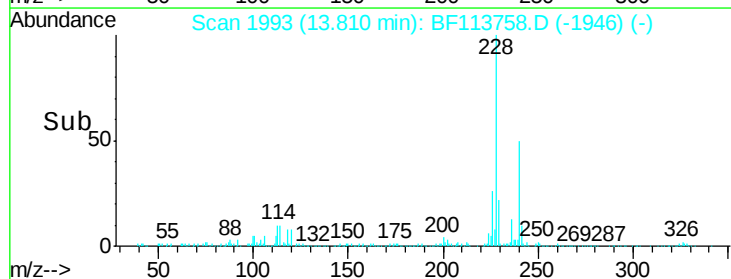
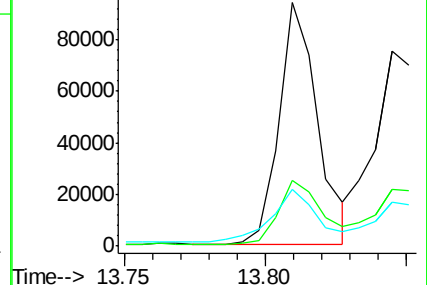
229 23.1 16.2 24.4

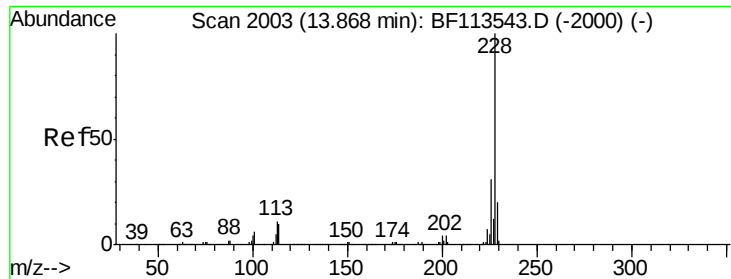


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.149 ng

RT: 13.85 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Instrument :

BNA_F

ClientSampleId :

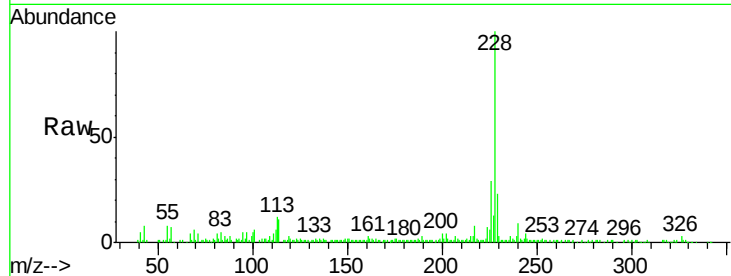
Tot Ion:228 Resp: 87561

Ion Ratio Lower Upper

228 100

226 28.9 24.3 36.5

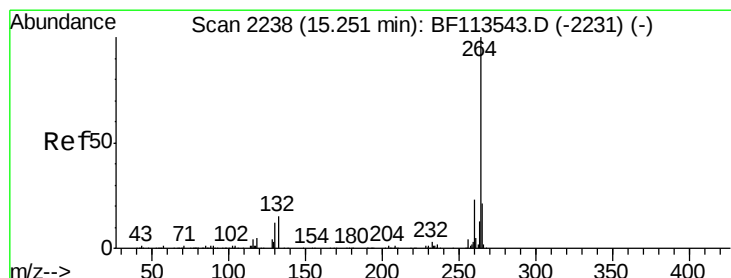
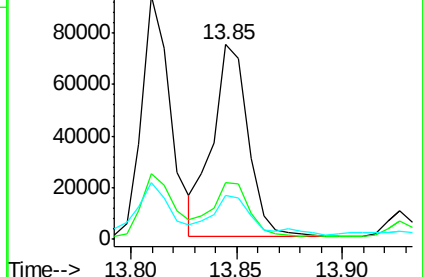
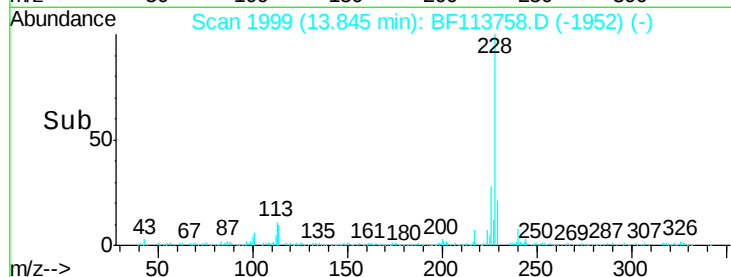
229 22.9 16.3 24.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

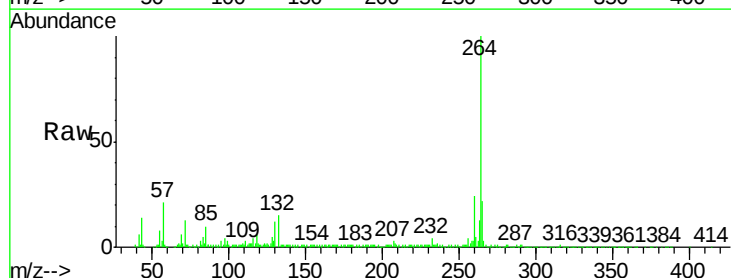
Tgt Ion:264 Resp: 254354

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

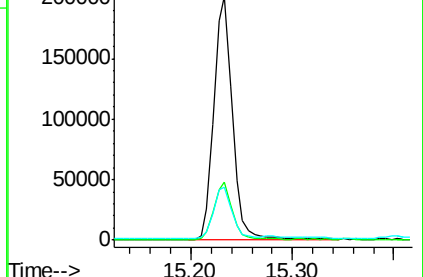
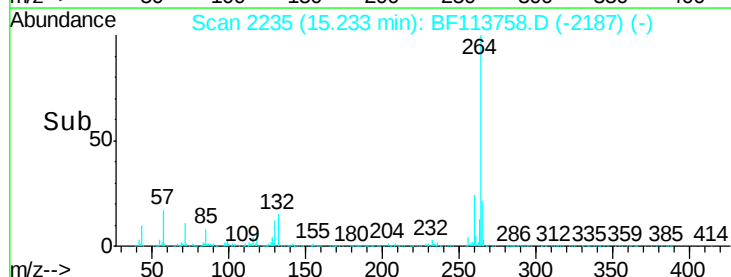
265 21.6 17.1 25.7

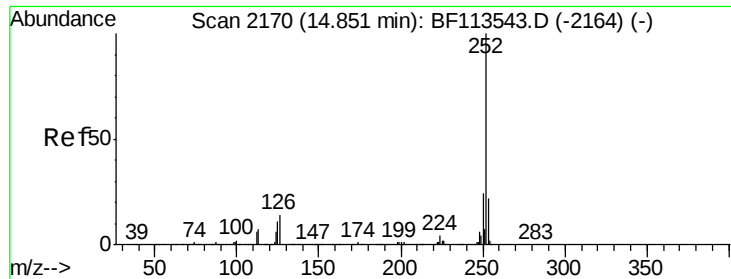


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 7.087 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

Instrument :

BNA_F

ClientSampleId :

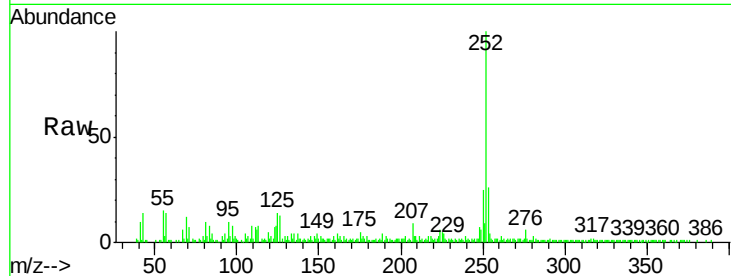
Tot Ion:252 Resp: 110347

Ion Ratio Lower Upper

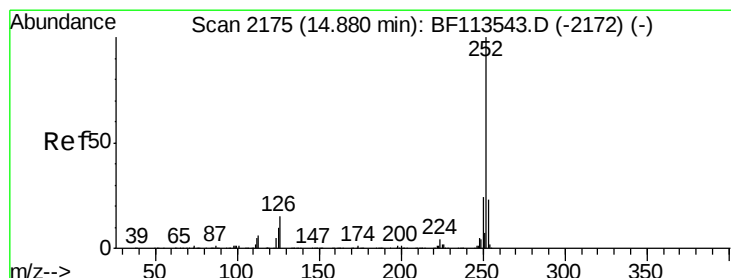
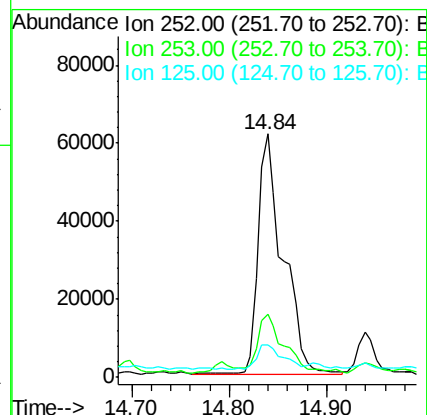
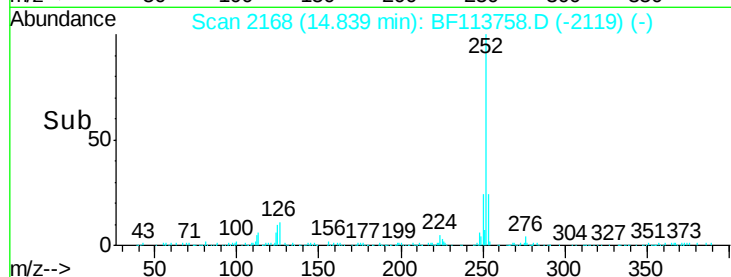
252 100

253 25.7 18.0 27.0

125 13.6 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: 7.897 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF113758.D

Acq: 13 Apr 2019 00:50

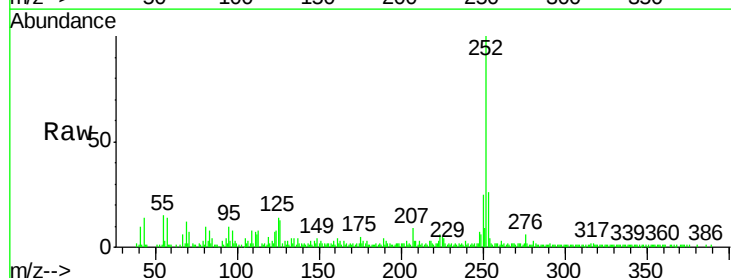
Tgt Ion:252 Resp: 110347

Ion Ratio Lower Upper

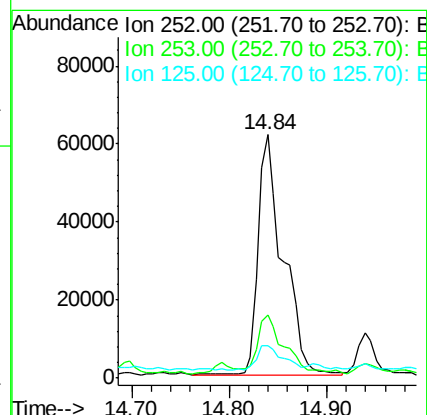
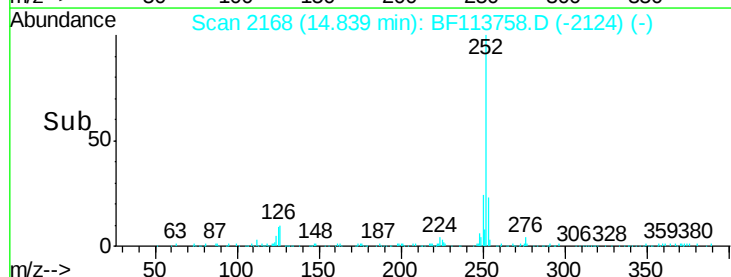
252 100

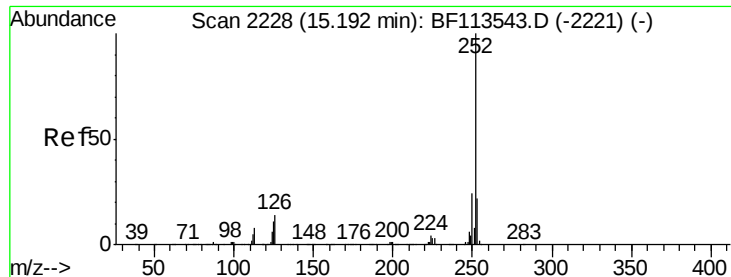
253 25.7 17.7 26.5

125 13.6 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

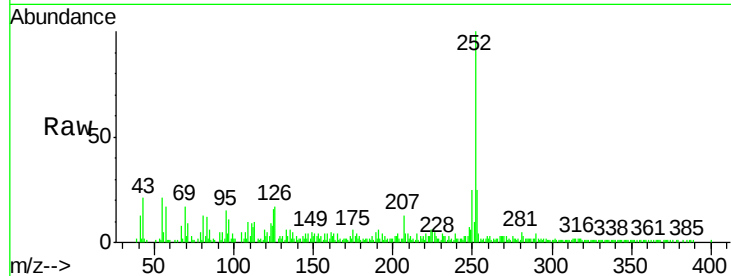




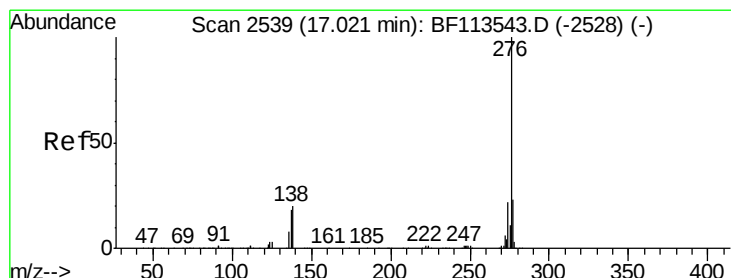
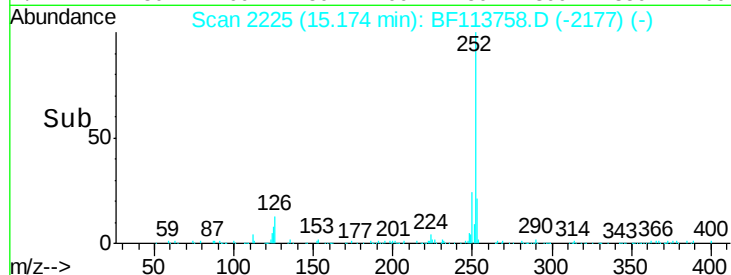
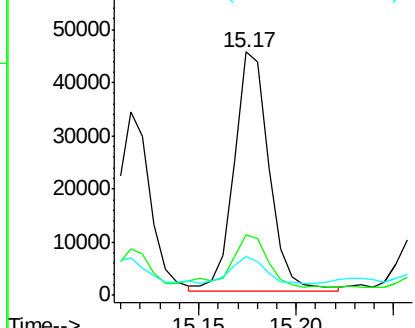
#90
Benzo(a)pyrene
Concen: 4.040 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55890
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 15.7 8.8 13.2#

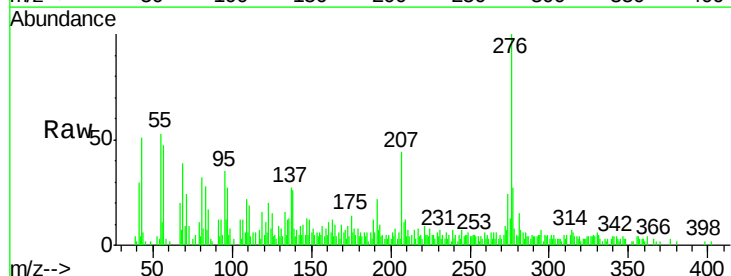


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.121 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113758.D
Acq: 13 Apr 2019 00:50

Tgt Ion:276 Resp: 28014
Ion Ratio Lower Upper
276 100
277 27.4 18.8 28.2
138 25.8 15.6 23.4#



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

