

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113044.D
 Acq On : 13 Mar 2019 23:11
 Operator : JU/SJ
 Sample : K1870-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 02:04:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

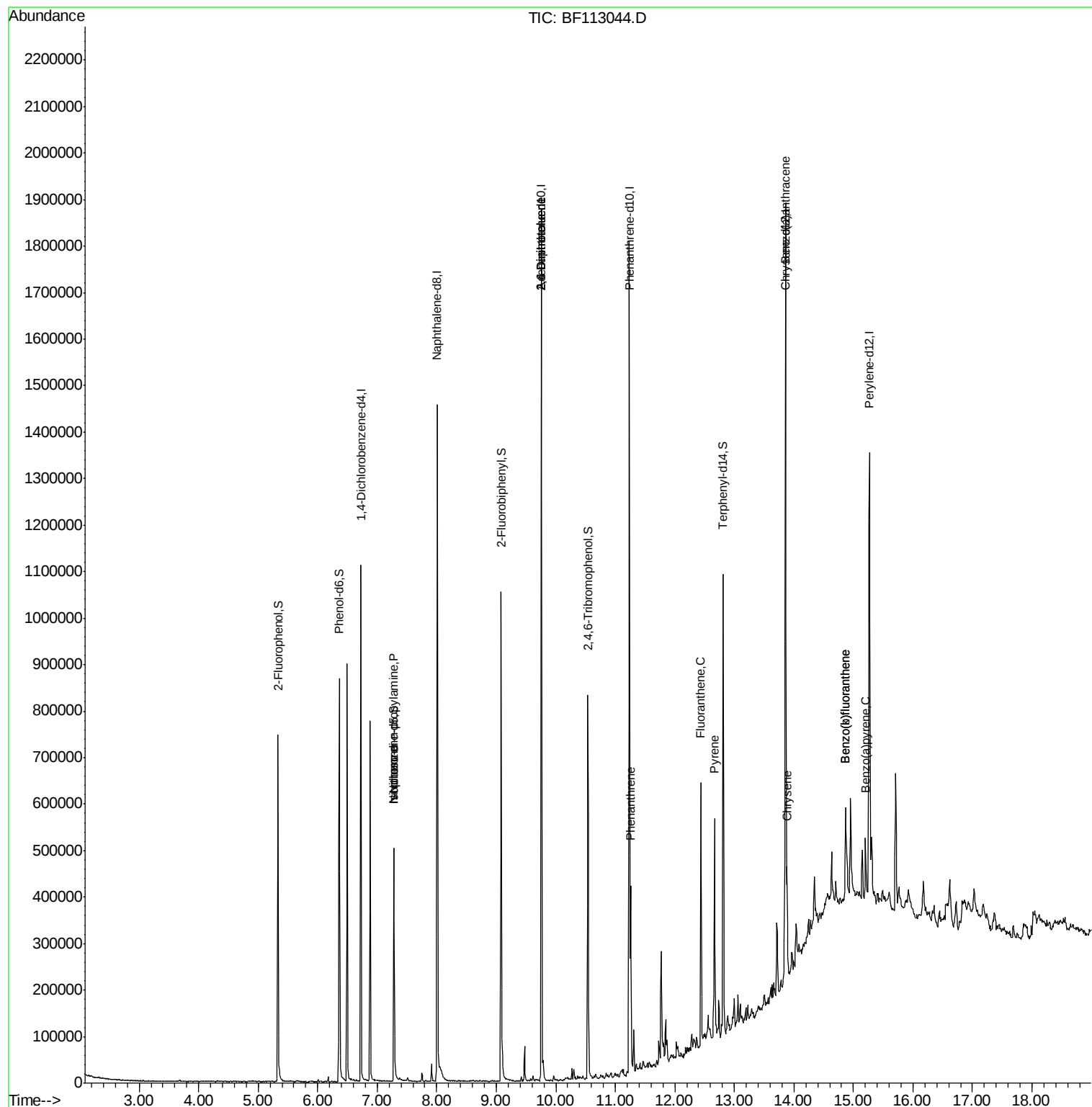
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	169832	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	733532	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	368044	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	741902	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	587386	20.00	ng	0.00
87) Perylene-d12	15.27	264	449509	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	211750	19.39	ng	-0.01
7) Phenol-d6	6.36	99	286034	20.86	ng	-0.01
23) Nitrobenzene-d5	7.28	82	161624	13.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	105578	27.02	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	349842	11.68	ng	-0.01
79) Terphenyl-d14	12.81	244	366841	12.11	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	20773	2.392	ng	# 77
25) Isophorone	7.28	82	159321	6.033	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	47466	8.399	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	47466	6.757	ng	# 18
71) Phenanthrene	11.26	178	126653	3.431	ng	97
75) Fluoranthene	12.44	202	221159	5.592	ng	96
78) Pyrene	12.67	202	199334	4.025	ng	99
81) Benzo(a)anthracene	13.85	228	95446	2.345	ng	98
83) Chrysene	13.89	228	81998	2.056	ng	98
88) Benzo(b)fluoranthene	14.87	252	132207	4.547	ng	99
89) Benzo(k)fluoranthene	14.87	252	132207	5.020	ng	98
90) Benzo(a)pyrene	15.21	252	68616	2.668	ng	96

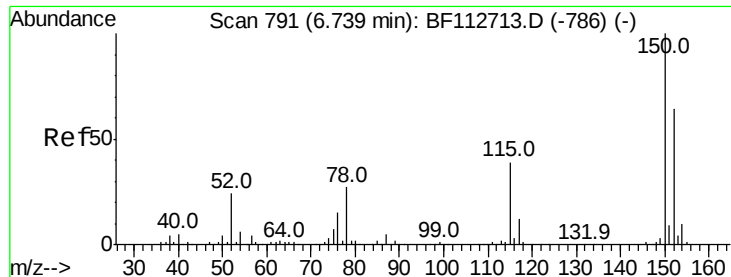
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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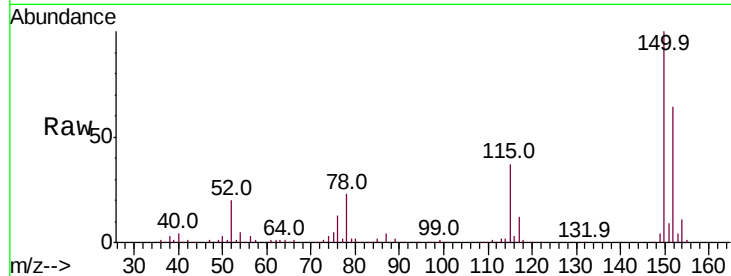


#1

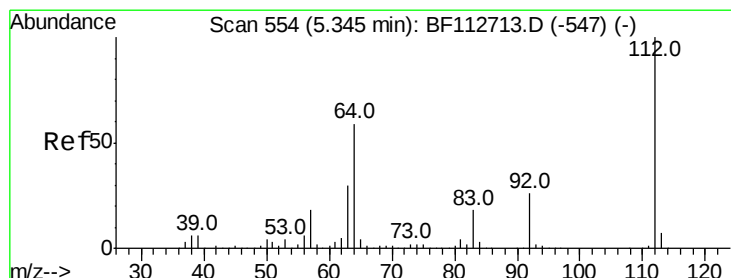
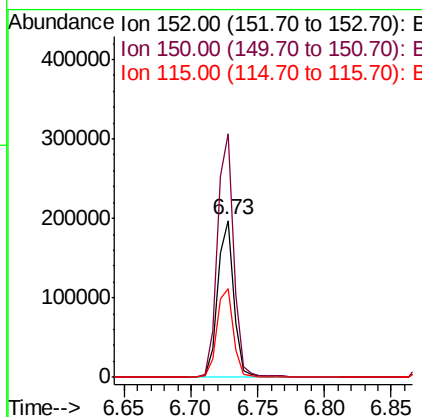
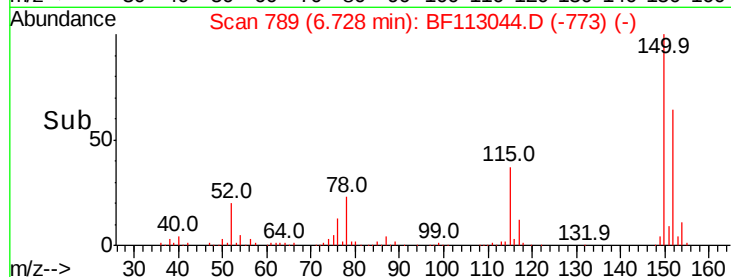
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169832
Ion Ratio Lower Upper
152 100
150 155.2 124.2 186.2
115 56.8 48.2 72.4



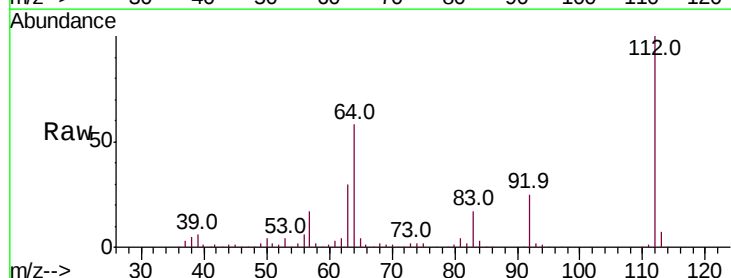
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



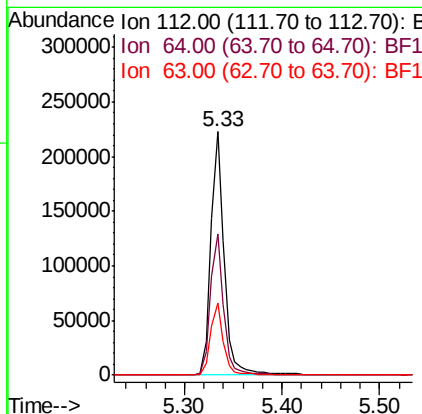
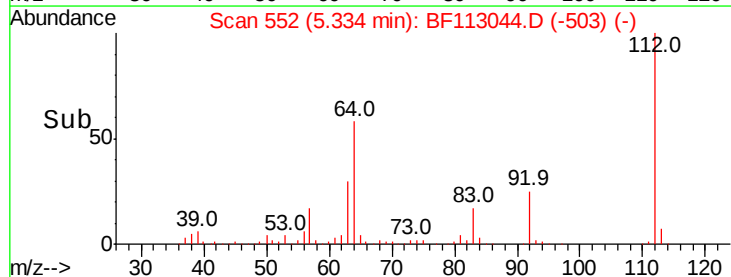
#5

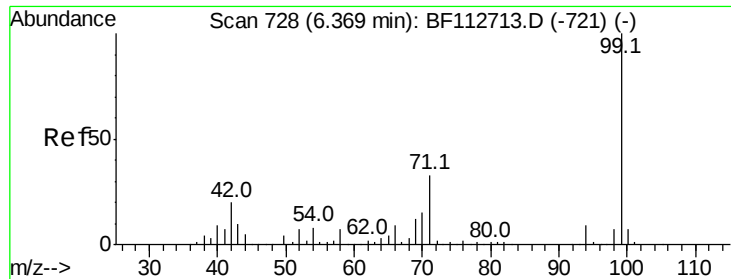
2-Fluorophenol
Concen: 19.395 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Tgt Ion:112 Resp: 211750
Ion Ratio Lower Upper
112 100
64 57.8 47.6 71.4
63 29.7 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.856 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

ClientSampleId :

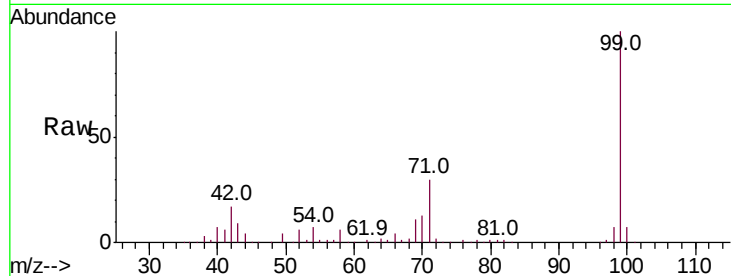
Tot Ion: 99 Resp: 286034

Ion Ratio Lower Upper

99 100

42 17.3 16.3 24.5

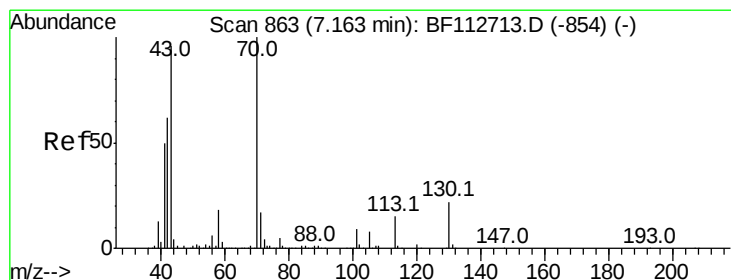
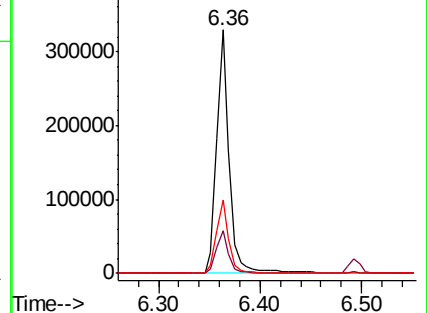
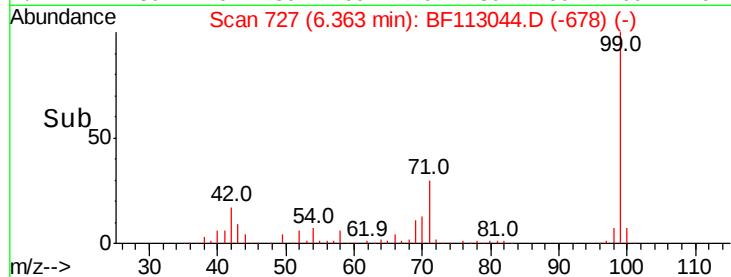
71 30.3 26.2 39.4



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: 2.392 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Tgt Ion: 70 Resp: 20773

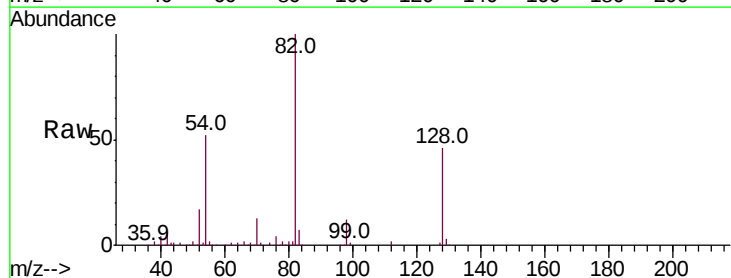
Ion Ratio Lower Upper

70 100

42 49.4 49.9 74.9#

101 0.0 7.4 11.2#

130 2.8 17.4 26.2#

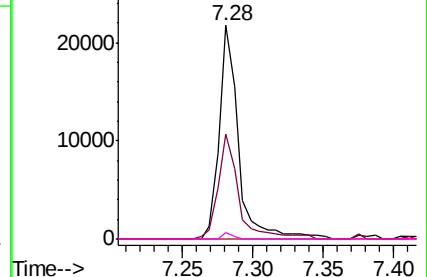
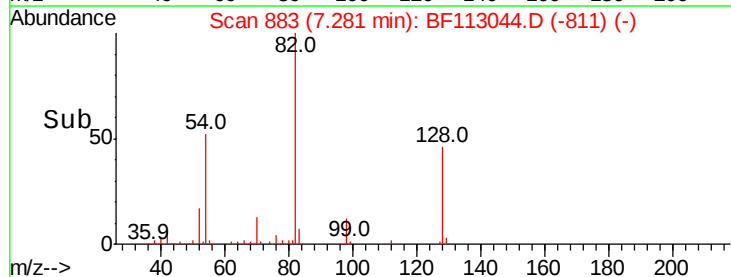


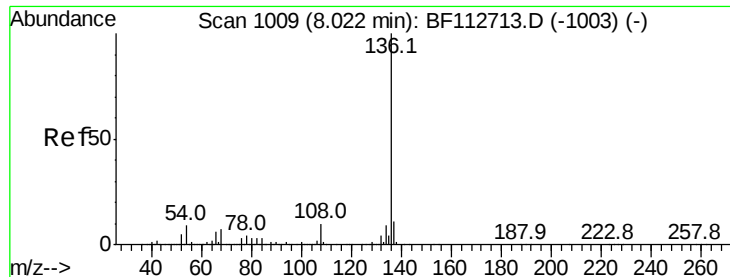
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

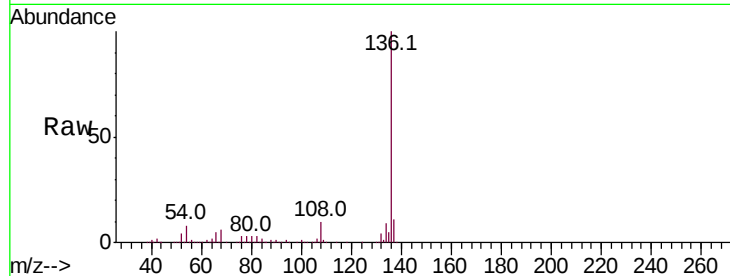




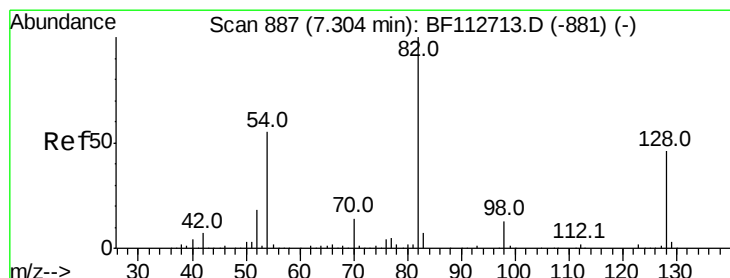
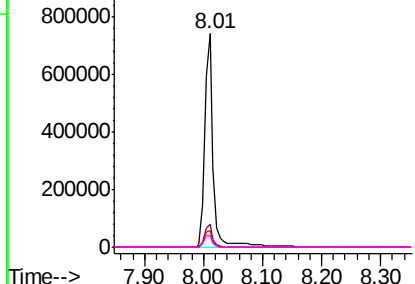
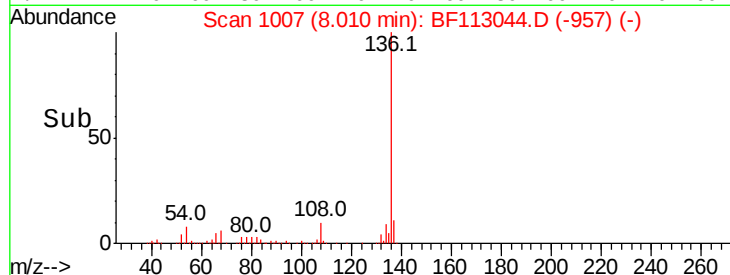
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	733532
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	7.3	10.9
68	5.6	5.4	8.2

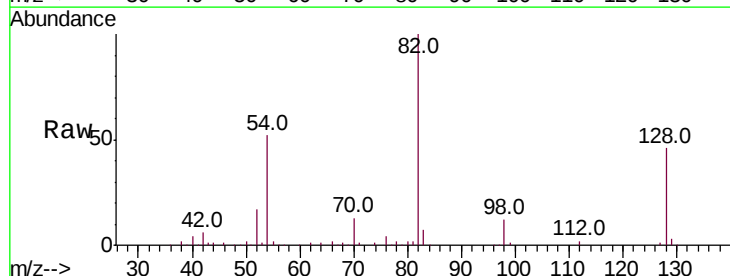


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

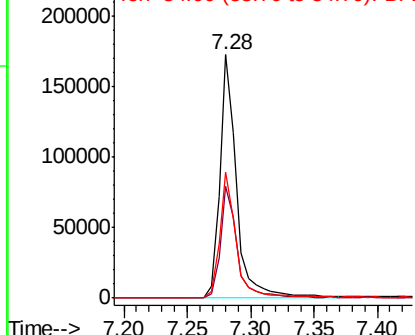
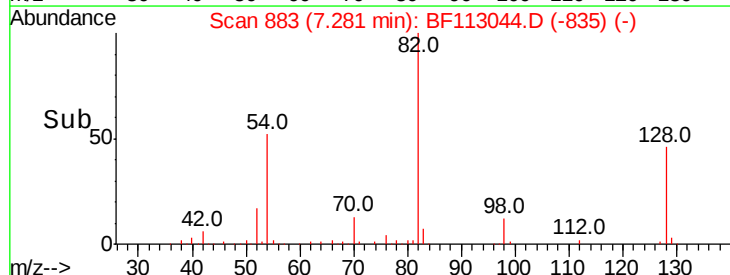


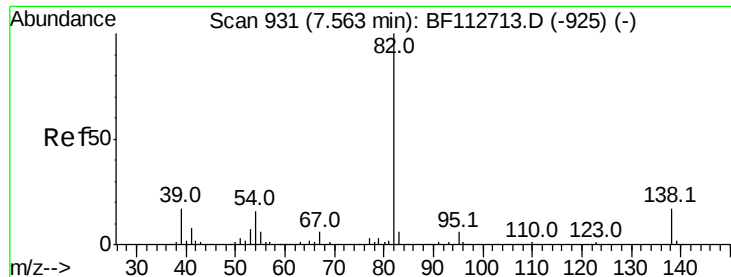
#23
Nitrobenzene-d5
Concen: 13.184 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Tgt Ion:	82	Resp:	161624
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	51.9	43.7	65.5



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: 6.033 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

ClientSampled :

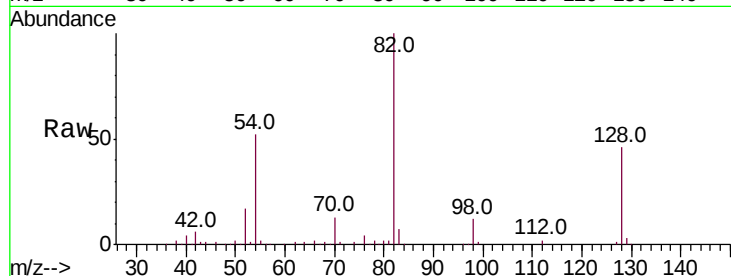
Tot Ion: 82 Resp: 159321

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

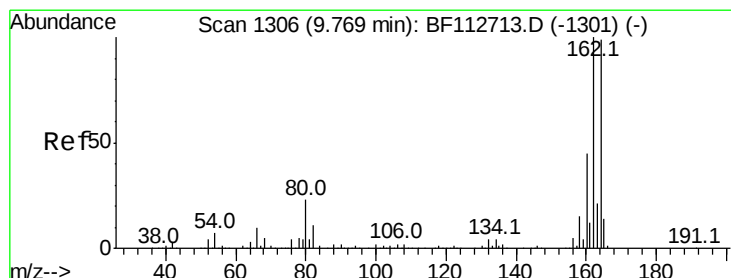
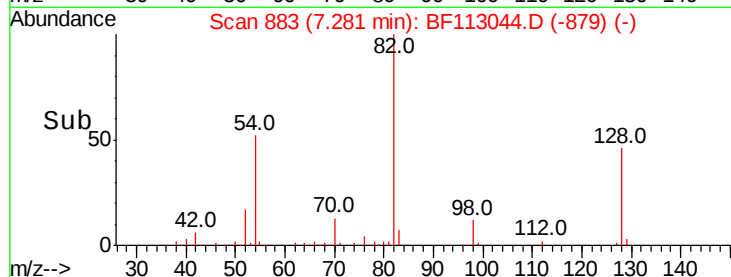
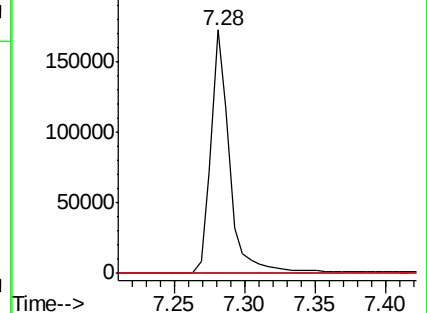
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

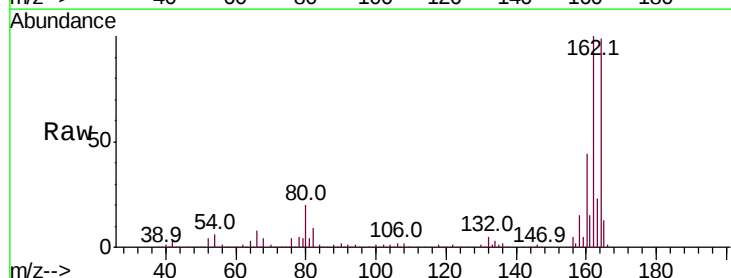
Tgt Ion: 164 Resp: 368044

Ion Ratio Lower Upper

164 100

162 100.7 80.6 120.8

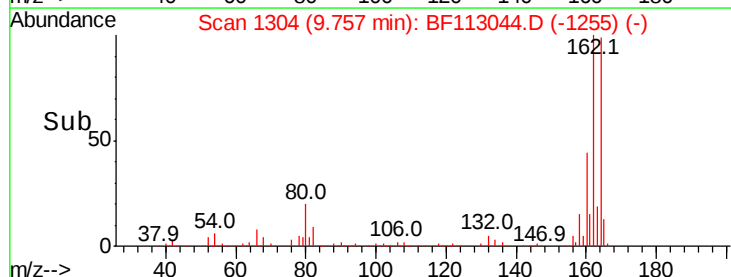
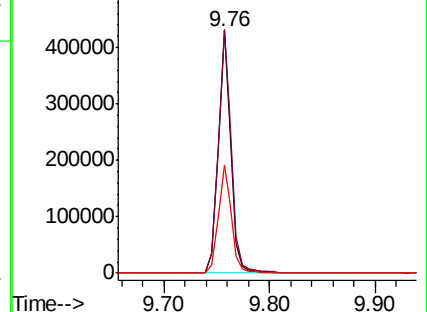
160 44.7 36.0 54.0

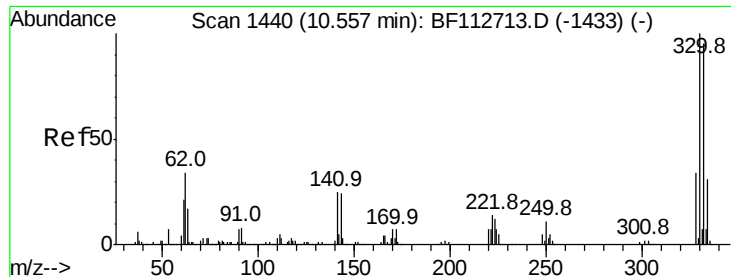


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

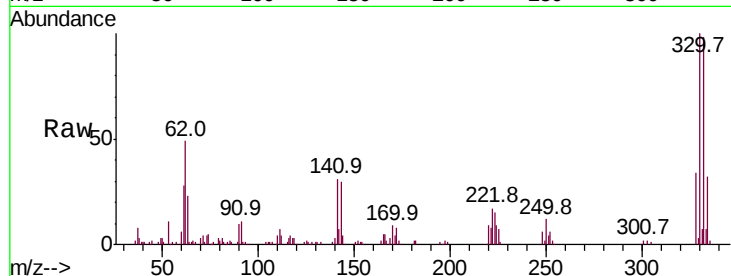




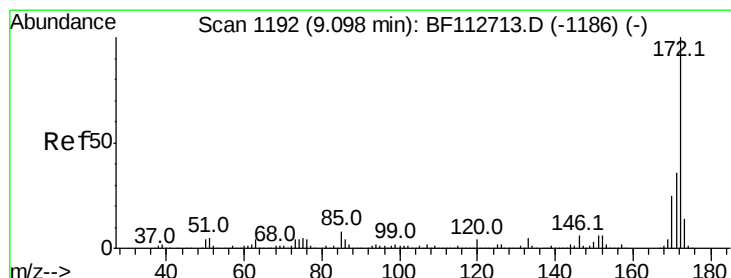
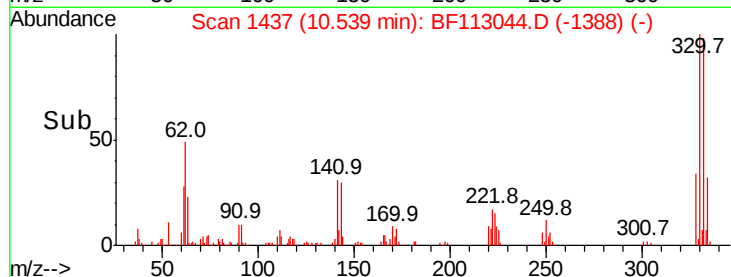
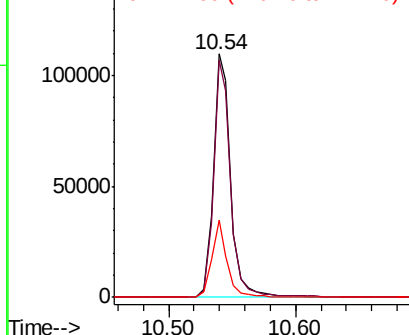
#42
 2,4,6-Tribromophenol
 Concen: 27.021 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113044.D
 Acq: 13 Mar 2019 23:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	28.0	27.0	40.6

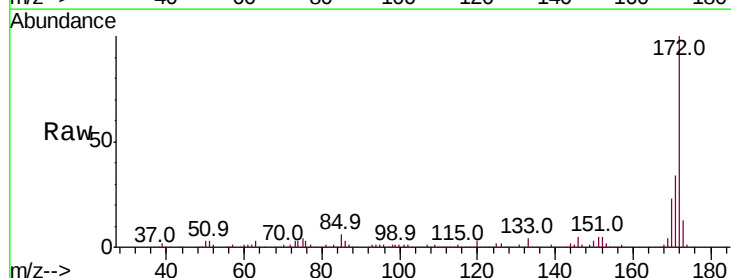


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

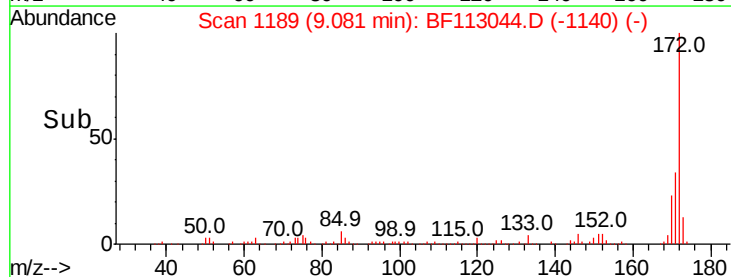
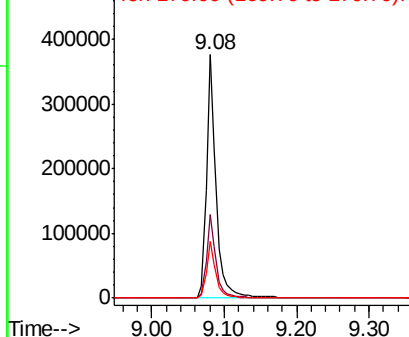


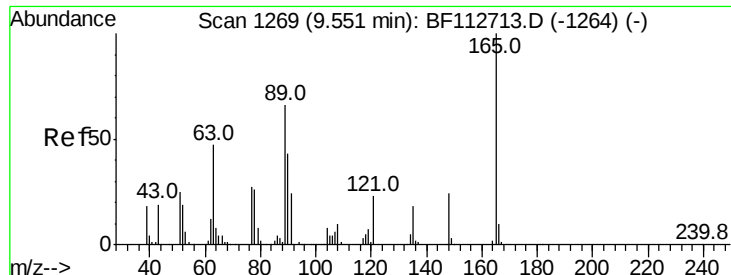
#45
 2-Fluorobiphenyl
 Concen: 11.684 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113044.D
 Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.4
170	23.4	20.0	30.0



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





#51

2,6-Dinitrotoluene

Concen: 8.399 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

ClientSampleId :

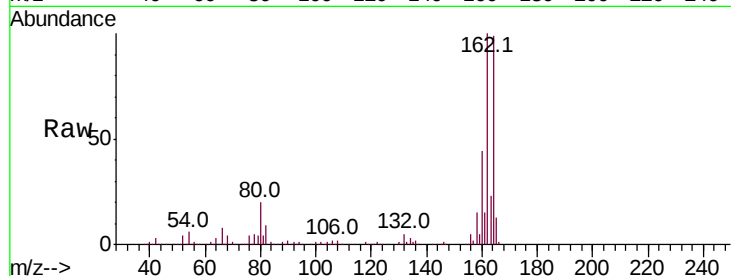
Tot Ion:165 Resp: 47466

Ion Ratio Lower Upper

165 100

63 1.5 54.1 81.1#

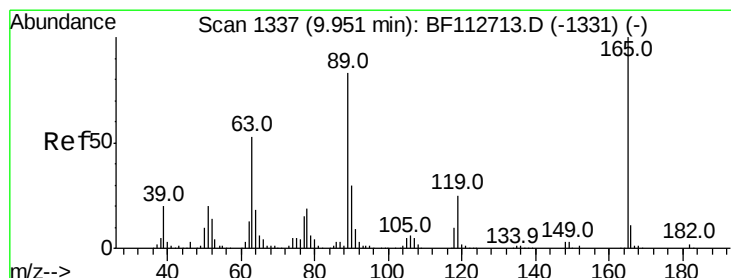
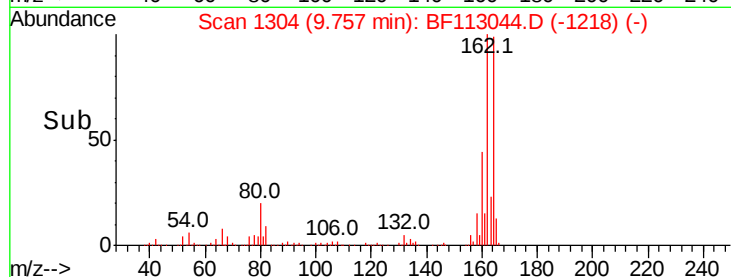
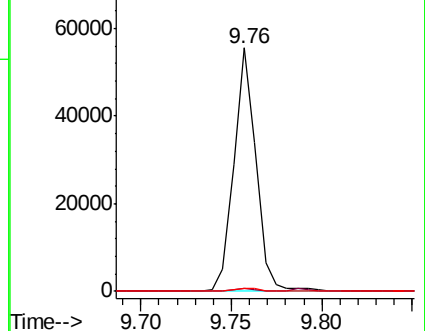
89 1.4 52.8 79.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.757 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Tgt Ion:165 Resp: 47466

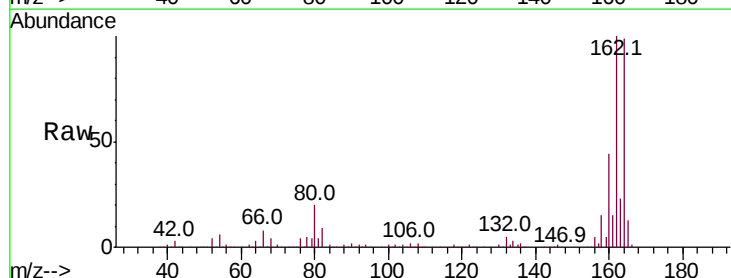
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.4 66.2 99.4#

182 0.0 1.8 2.6#

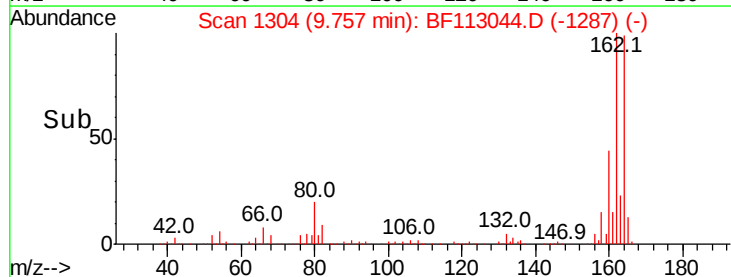
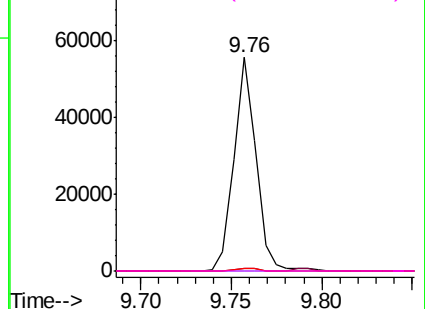


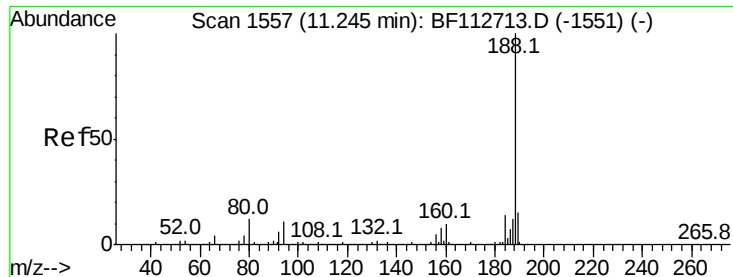
Abundance Ion 165.00 (164.70 to 165.70): E

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

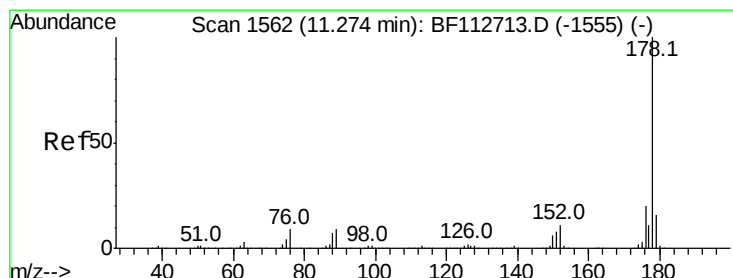
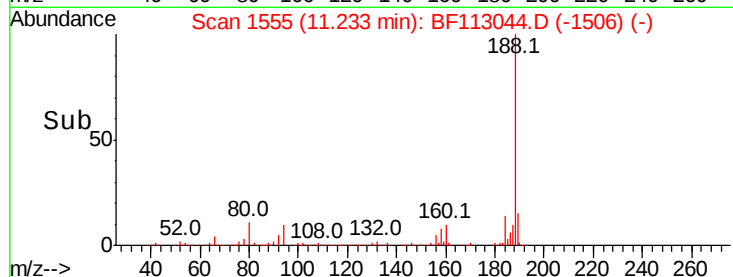
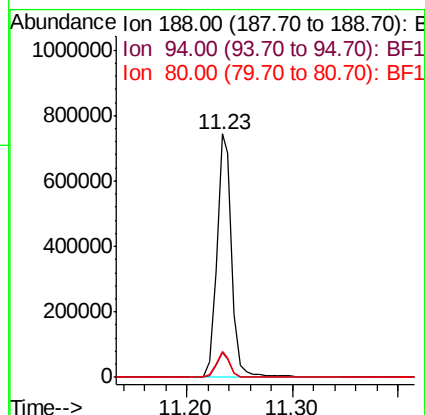
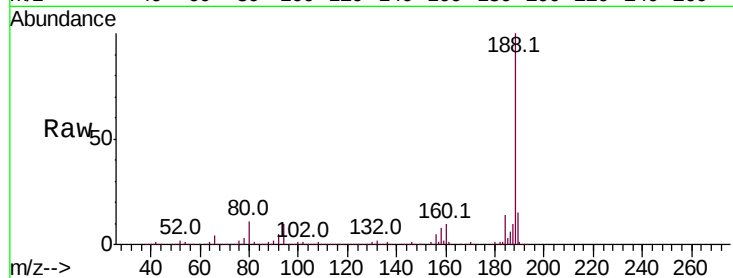




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

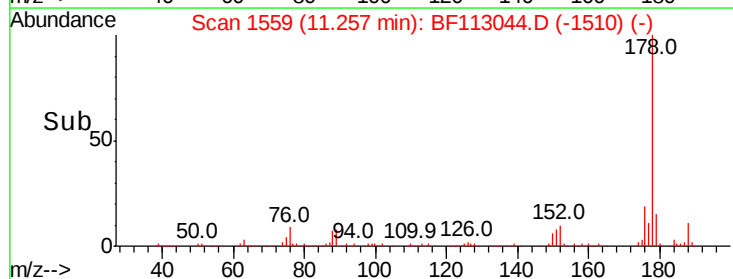
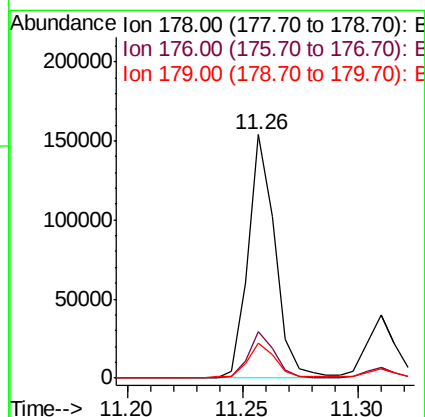
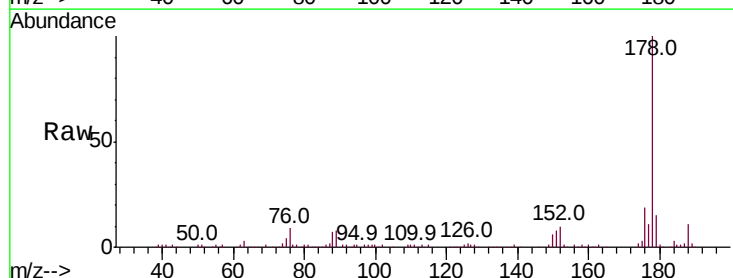
Instrument :
BNA_F
ClientSampleId :

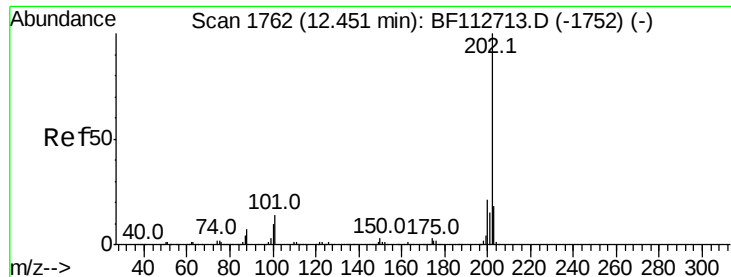
Tot Ion:188 Resp: 741902
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.4
80 10.6 9.2 13.8



#71
Phenanthrene
Concen: 3.431 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Tgt Ion:178 Resp: 126653
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 14.6 12.7 19.1





#75

Fluoranthene

Concen: 5.592 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

ClientSampleId :

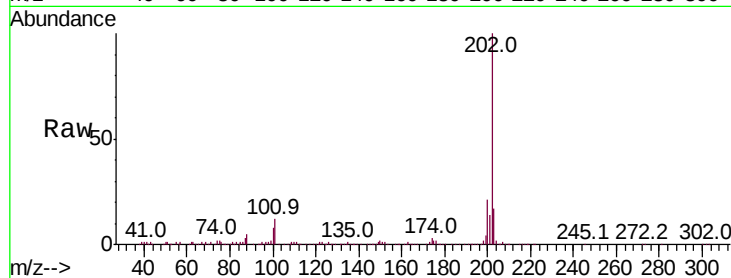
Tot Ion:202 Resp: 221159

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.8

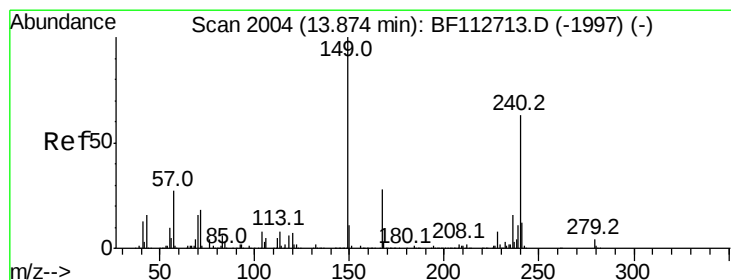
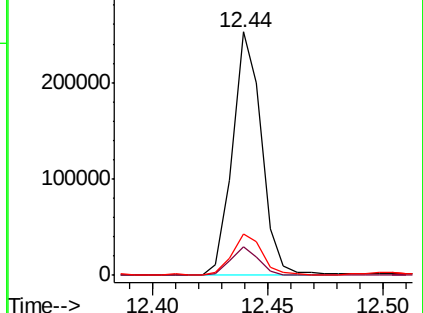
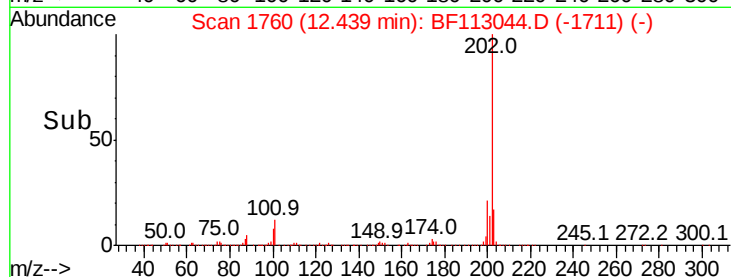
203 16.9 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

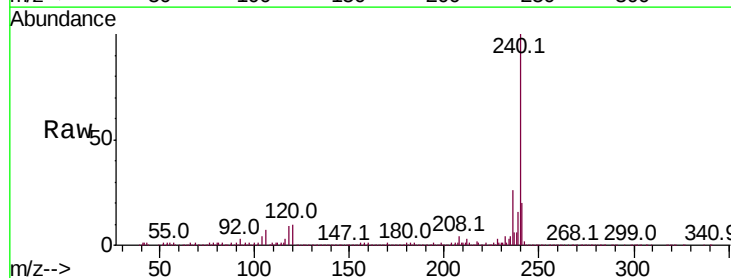
Tgt Ion:240 Resp: 587386

Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

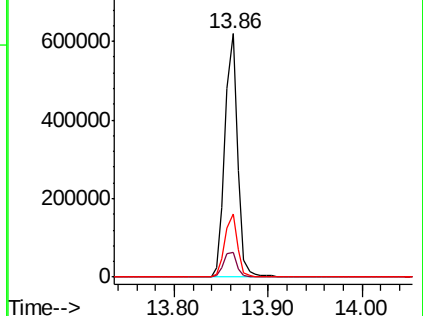
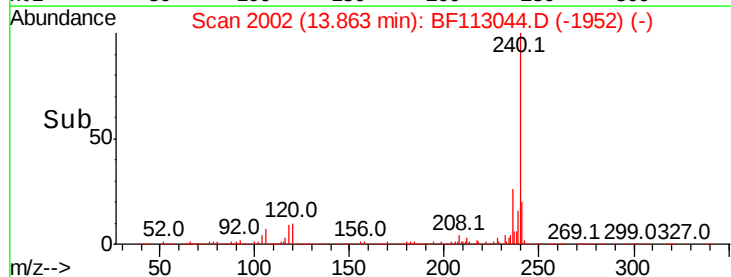
236 25.9 20.7 31.1

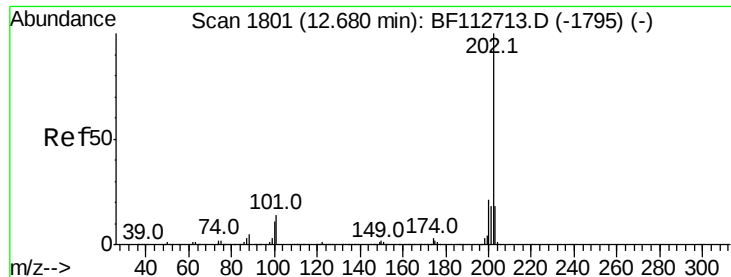


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.025 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

ClientSampleId :

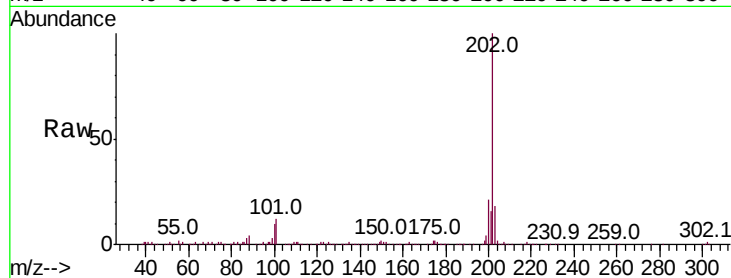
Tot Ion:202 Resp: 199334

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

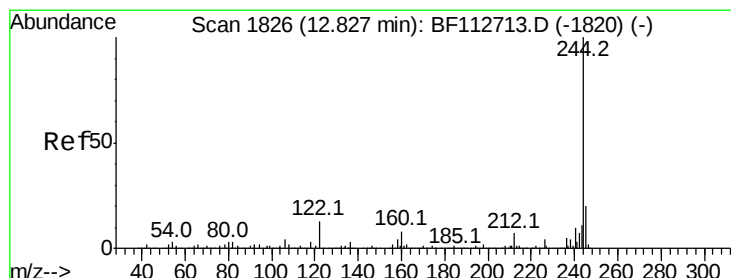
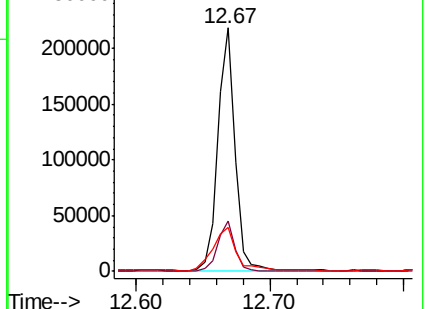
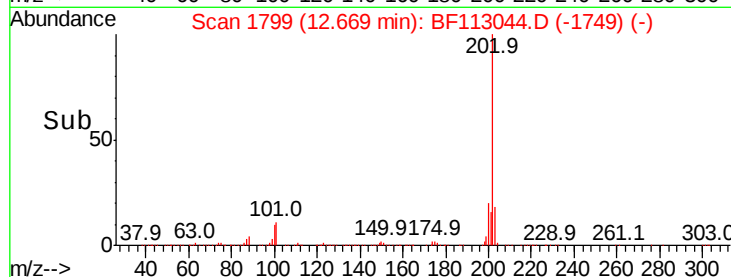
203 18.1 14.4 21.6



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: 12.107 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

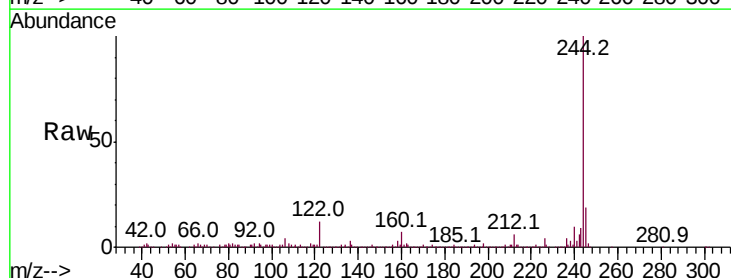
Tgt Ion:244 Resp: 366841

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

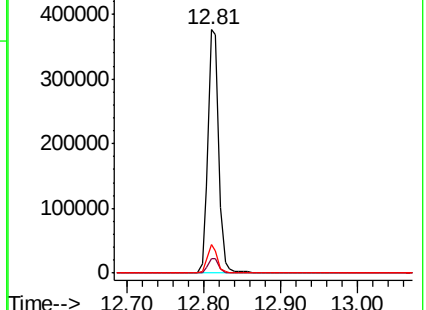
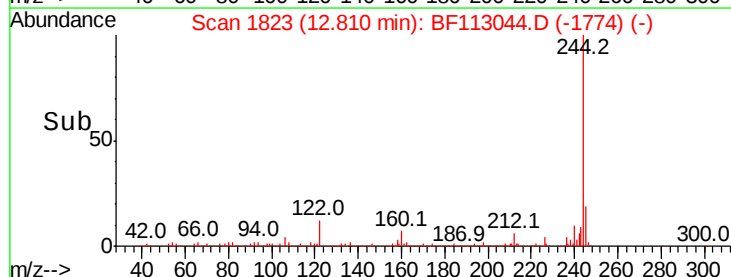
122 11.6 10.5 15.7

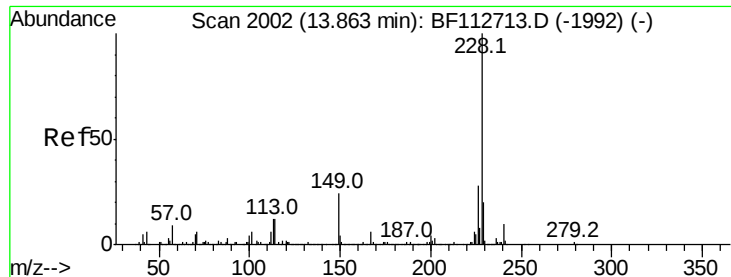


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.345 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

Instrument :

BNA_F

ClientSampleId :

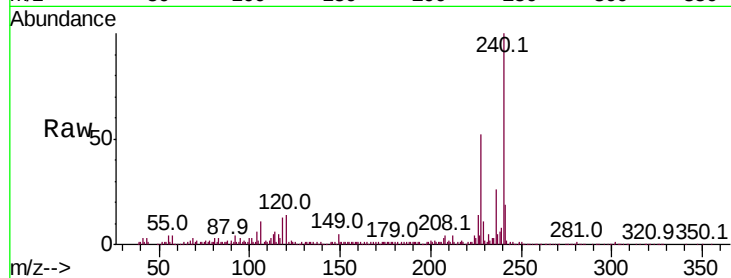
Tot Ion:228 Resp: 95446

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.4

229 21.5 16.0 24.0

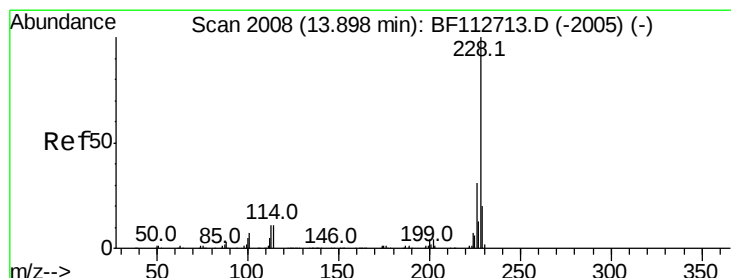
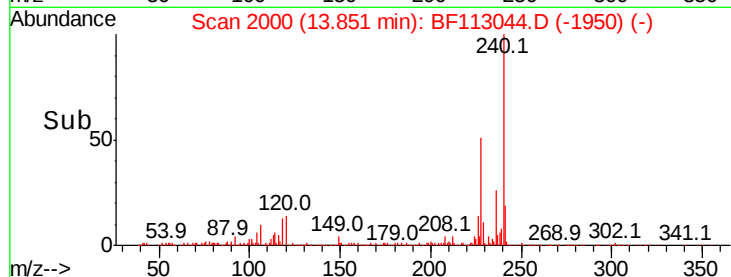
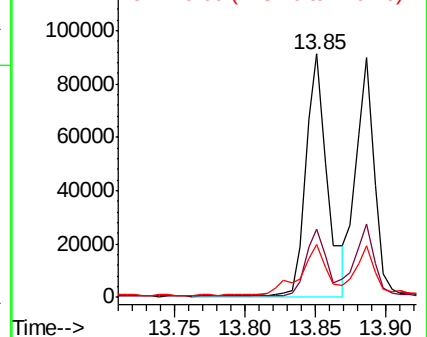


Abundance

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: 2.056 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113044.D

Acq: 13 Mar 2019 23:11

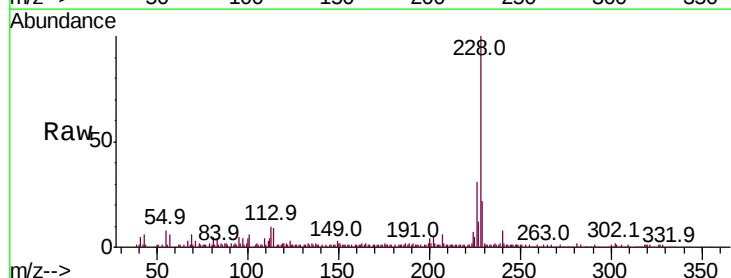
Tgt Ion:228 Resp: 81998

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

229 21.8 16.3 24.5

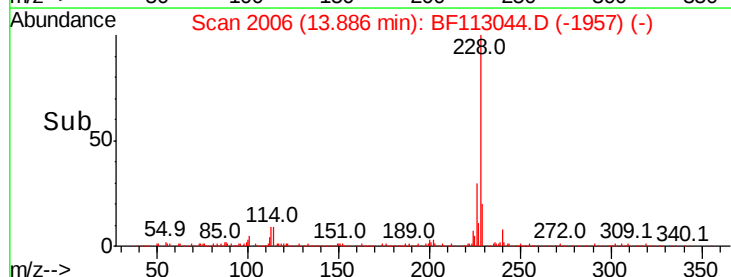
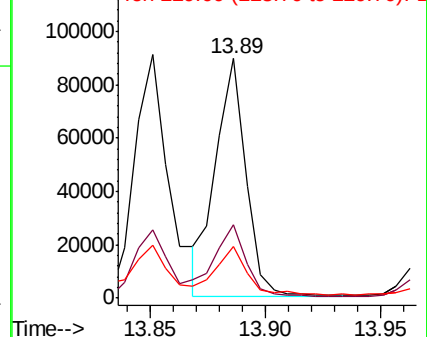


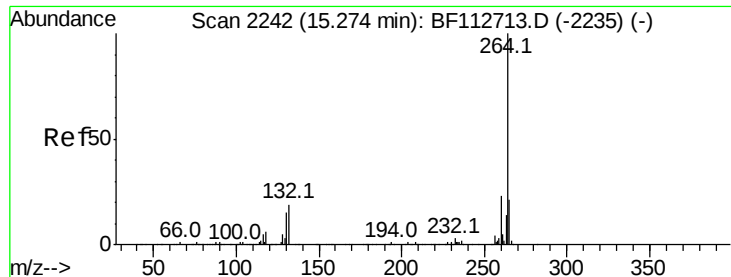
Abundance

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



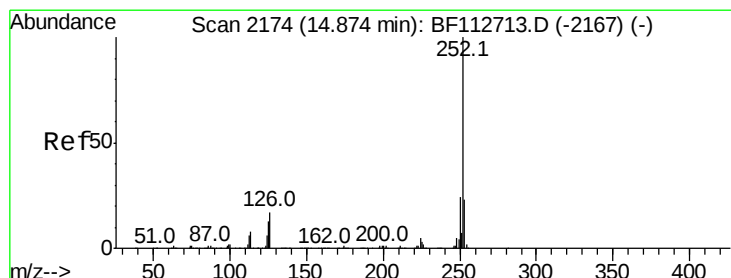
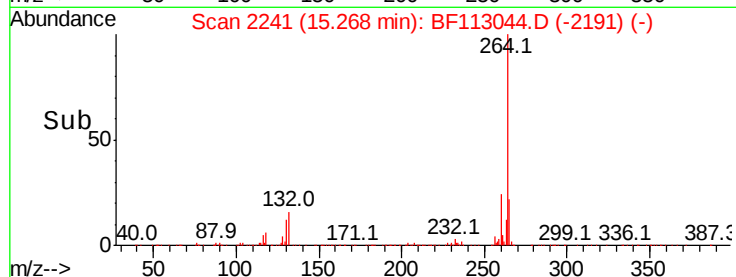
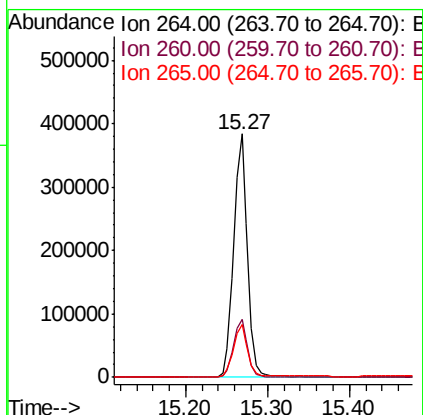
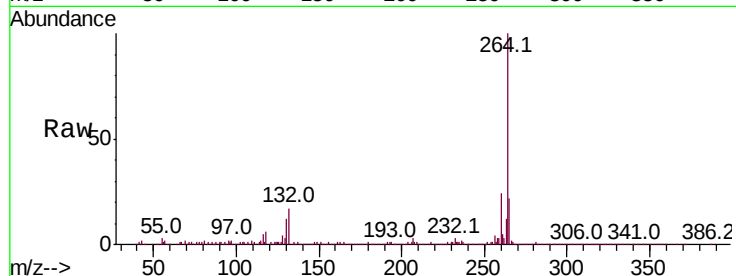


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 449509

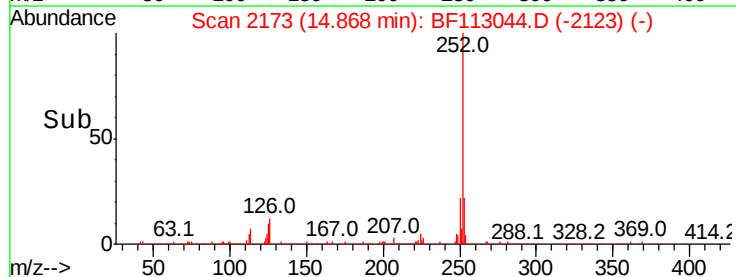
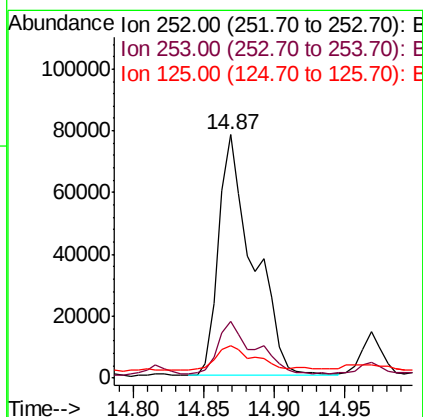
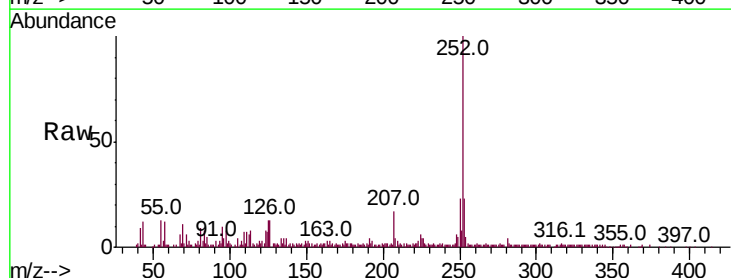
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.9	17.2	25.8

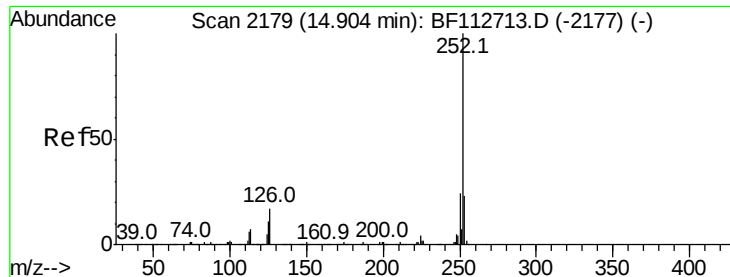


#88
Benzo(b)fluoranthene
Concen: 4.547 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Tgt Ion:252 Resp: 132207

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	13.4	10.2	15.2

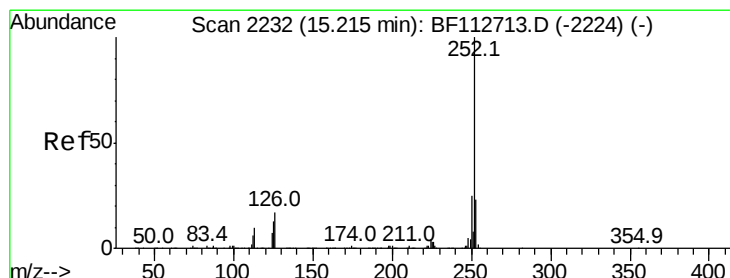
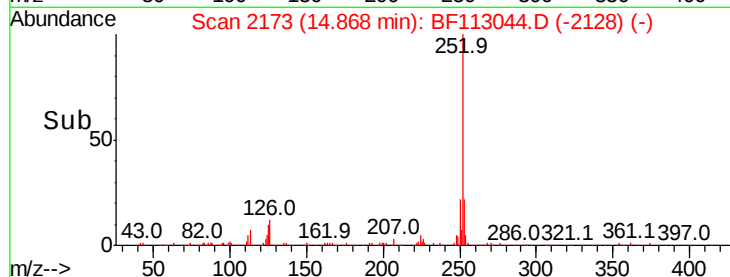
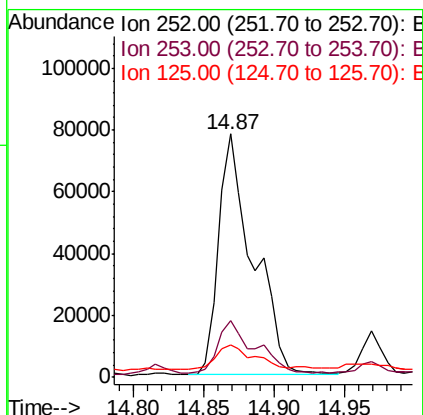
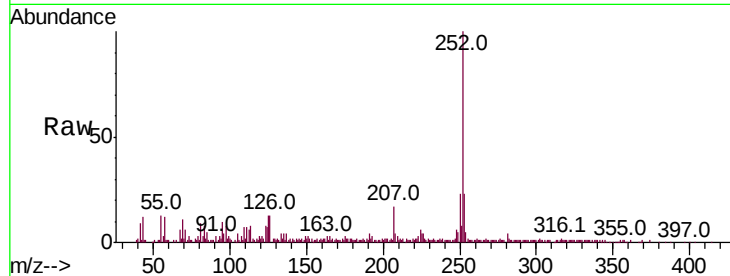




#89
Benzo(k)fluoranthene
Concen: 5.020 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	13.4	9.8	14.6



#90
Benzo(a)pyrene
Concen: 2.668 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113044.D
Acq: 13 Mar 2019 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	13.0	10.7	16.1

