

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
 Data File : BF113028.D
 Acq On : 13 Mar 2019 9:50
 Operator : JU/SJ
 Sample : K1817-14RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 12:27:52 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

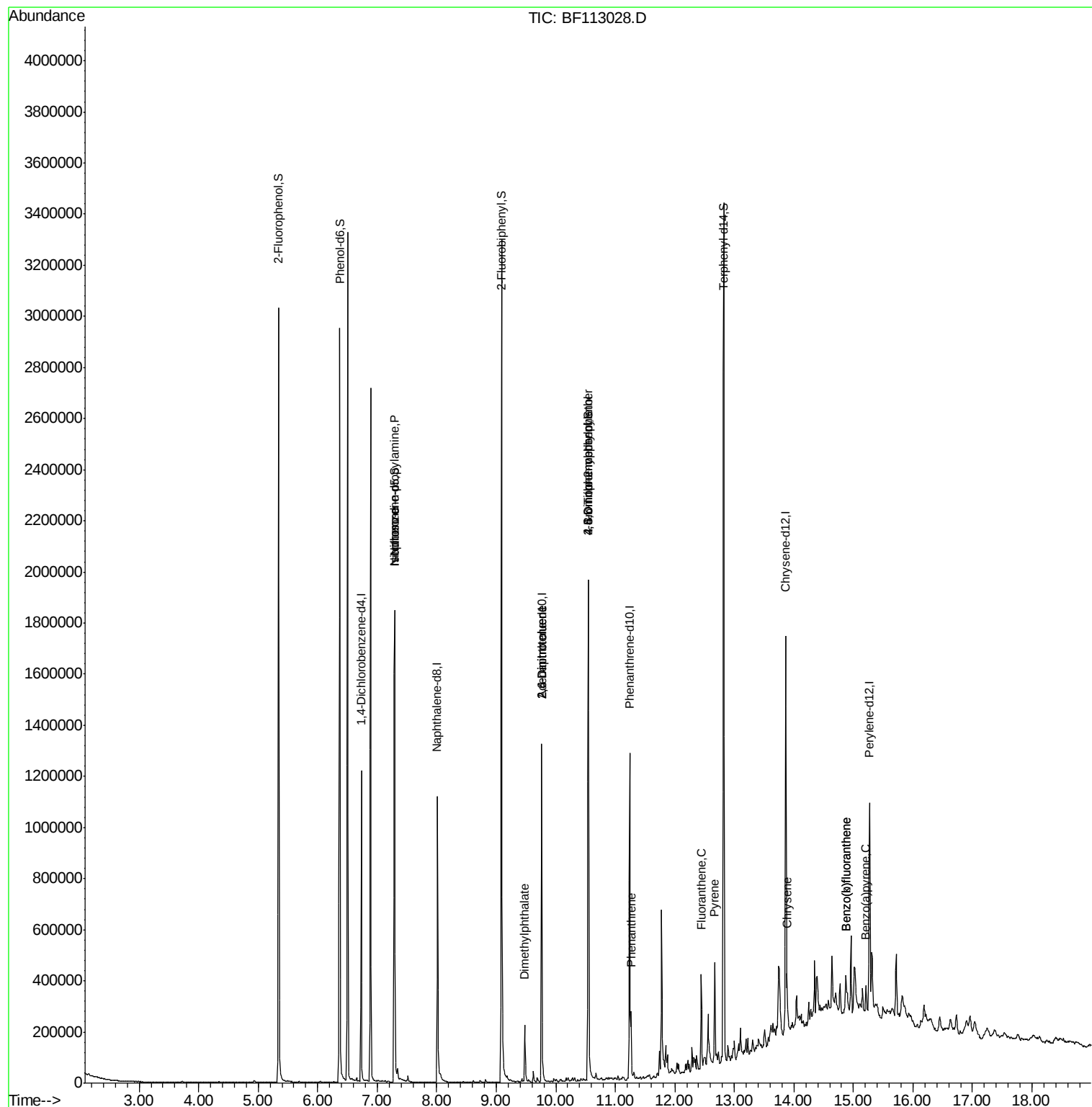
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	188308	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	642653	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	289147	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	520644	20.00	ng	0.00
76) Chrysene-d12	13.86	240	536922	20.00	ng	0.00
87) Perylene-d12	15.27	264	422764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	876201	72.38	ng	0.00
7) Phenol-d6	6.37	99	1127911	74.17	ng	0.00
23) Nitrobenzene-d5	7.29	82	643436	59.91	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	299138	97.45	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1220314	65.90	ng	0.00
79) Terphenyl-d14	12.82	244	1198879	43.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	81576	8.470	ng	# 74
25) Isophorone	7.29	82	643427	27.809	ng	# 66
50) Dimethylphthalate	9.48	163	107548	5.044	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	36871	8.305	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	36871	6.681	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	460	4.807	ng	# 66
67) 4-Bromophenyl-phenylether	10.55	248	17041	3.107	ng	# 1
71) Phenanthrene	11.26	178	86461	3.338	ng	100
75) Fluoranthene	12.44	202	143980	5.188	ng	97
78) Pyrene	12.67	202	181338	4.006	ng	98
83) Chrysene	13.89	228	87785	2.408	ng	97
88) Benzo(b)fluoranthene	14.87	252	98880	3.616	ng	# 94
89) Benzo(k)fluoranthene	14.87	252	98880	3.992	ng	# 94
90) Benzo(a)pyrene	15.21	252	51699	2.137	ng	# 93

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
Data File : BF113028.D
Acq On : 13 Mar 2019 9:50
Operator : JU/SJ
Sample : K1817-14RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 13 12:27:52 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



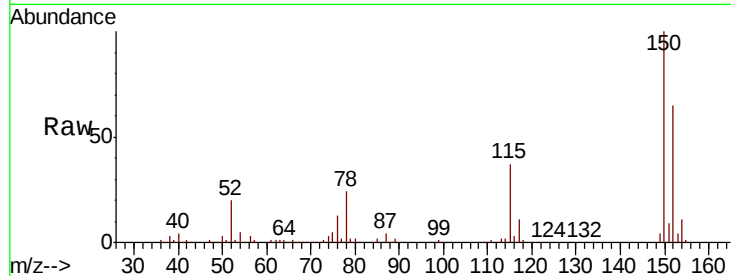


#1

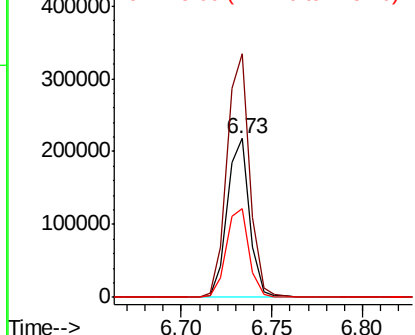
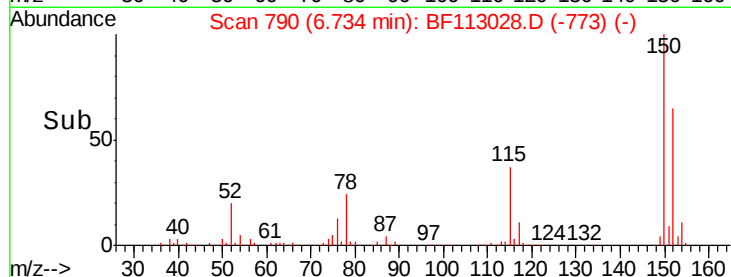
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 188308
Ion Ratio Lower Upper
152 100
150 153.4 124.2 186.2
115 56.3 48.2 72.4



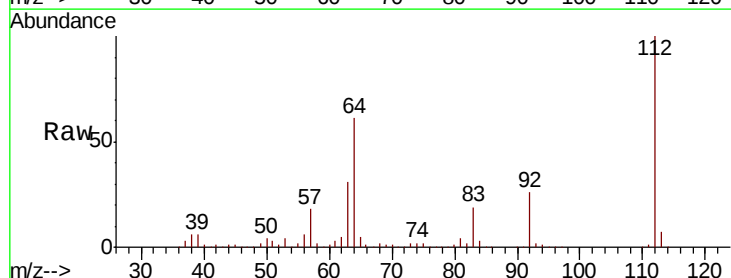
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



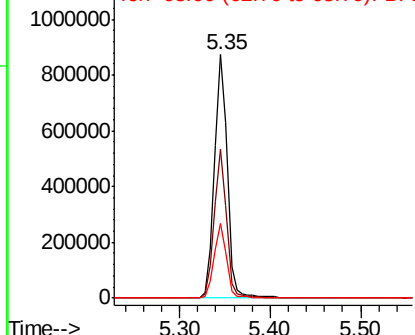
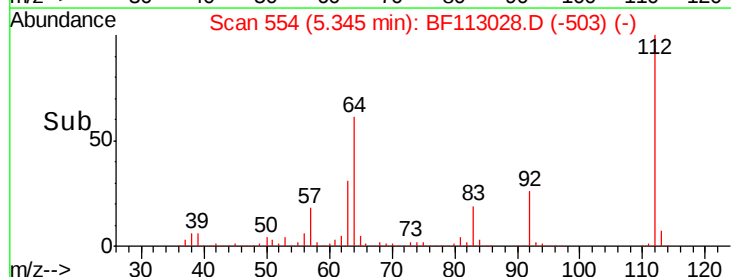
#5

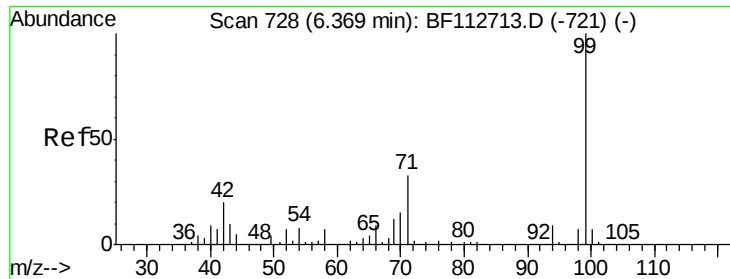
2-Fluorophenol
Concen: 72.380 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Tgt Ion:112 Resp: 876201
Ion Ratio Lower Upper
112 100
64 60.9 47.6 71.4
63 30.7 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: 74.172 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

Instrument :

BNA_F

ClientSampled :

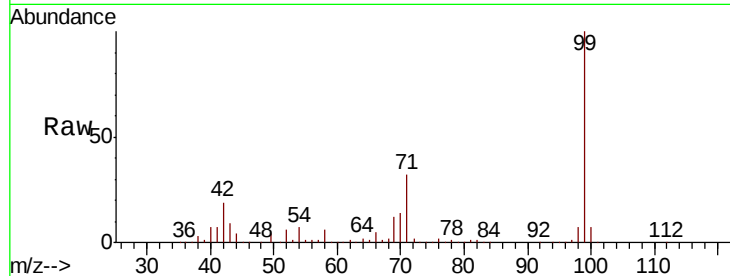
Tot Ion: 99 Resp: 1127911

Ion Ratio Lower Upper

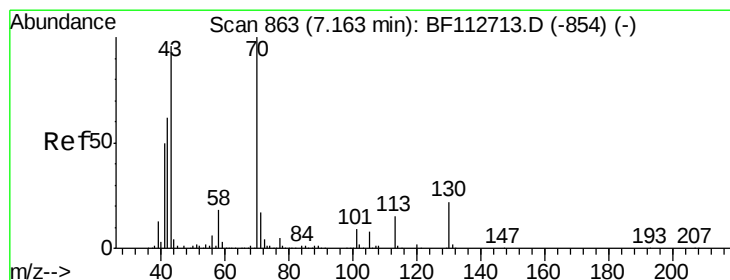
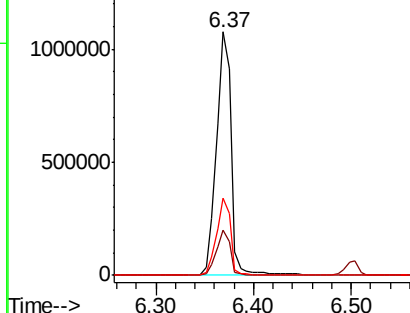
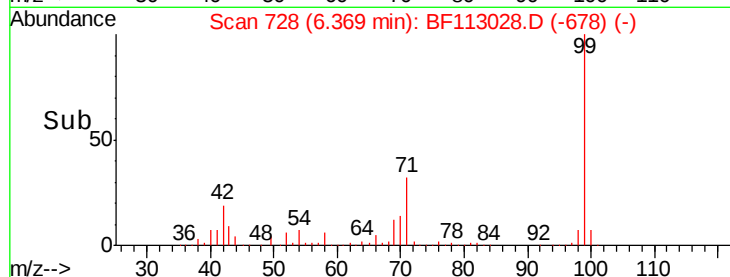
99 100

42 18.5 16.3 24.5

71 31.9 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: 8.470 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

Tgt Ion: 70 Resp: 81576

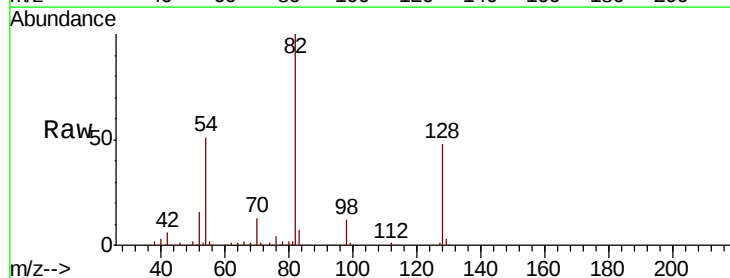
Ion Ratio Lower Upper

70 100

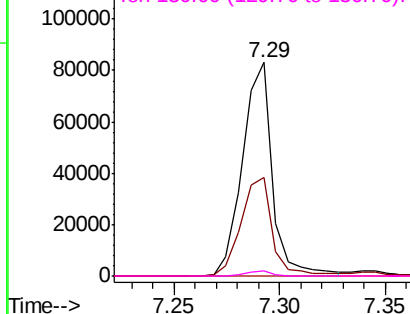
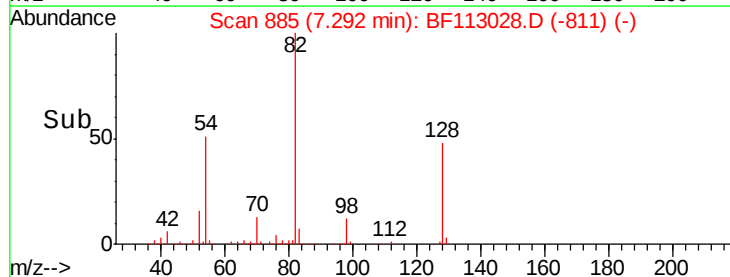
42 46.3 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 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

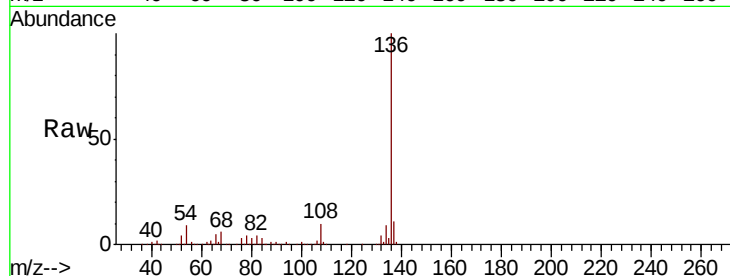




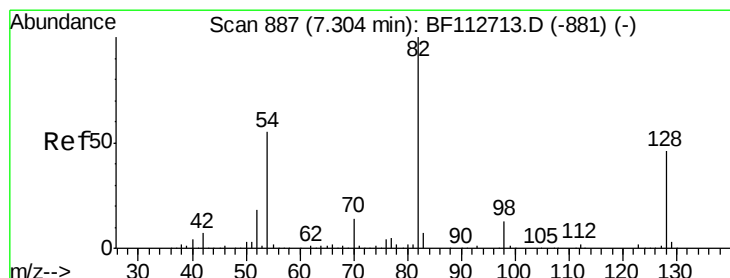
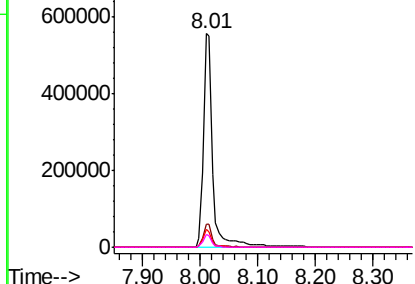
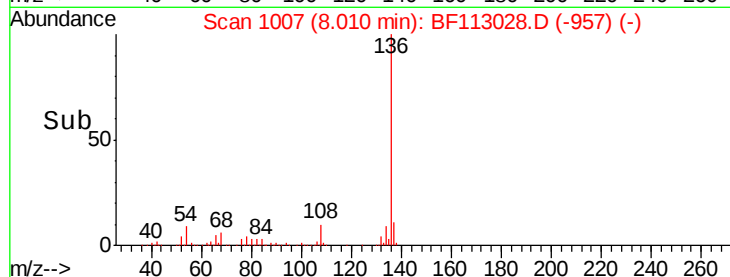
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 642653
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 8.6	7.3 10.9
68 6.2	5.4 8.2

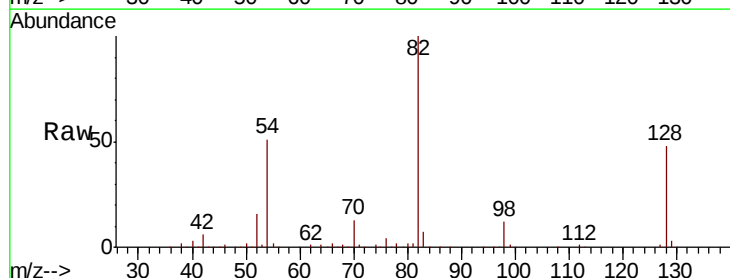


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

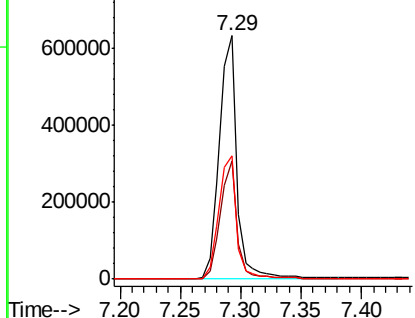
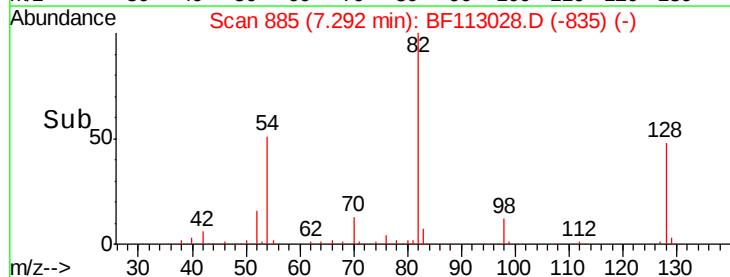


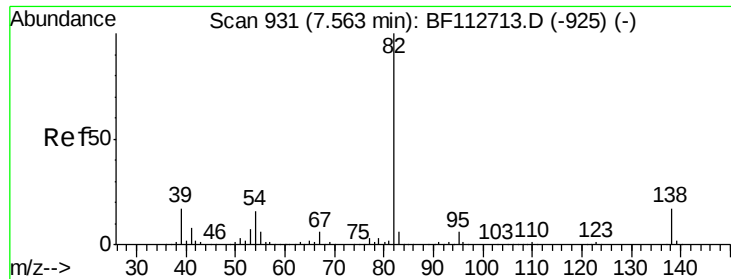
#23
Nitrobenzene-d5
Concen: 59.911 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Tgt Ion: 82	Resp: 643436
Ion Ratio	Lower Upper
82 100	
128 48.3	36.3 54.5
54 50.6	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: 27.809 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

Instrument :

BNA_F

ClientSampleId :

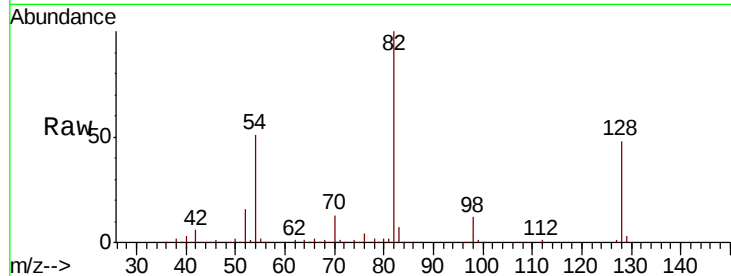
Tot Ion: 82 Resp: 643427

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

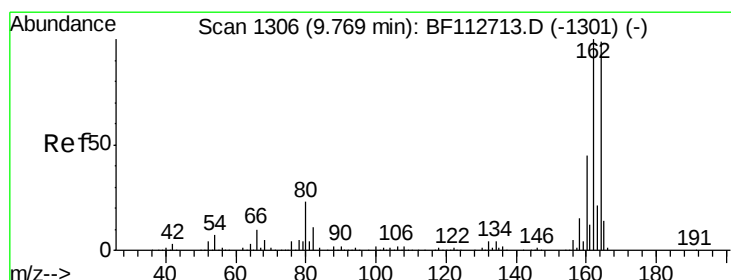
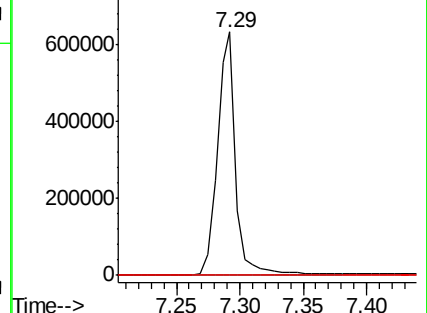
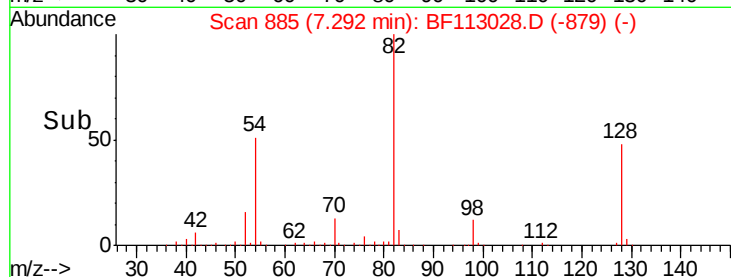
138 0.0 13.8 20.8#



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# 1305

Delta R.T. -0.01 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

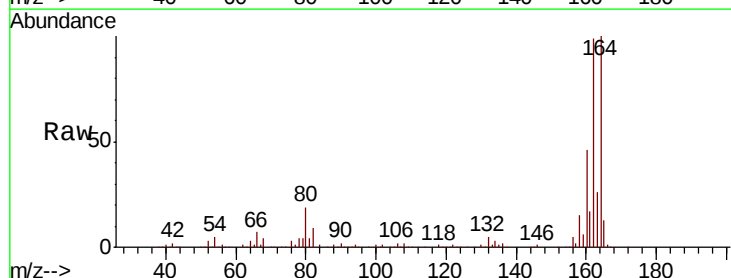
Tgt Ion: 164 Resp: 289147

Ion Ratio Lower Upper

164 100

162 99.3 80.6 120.8

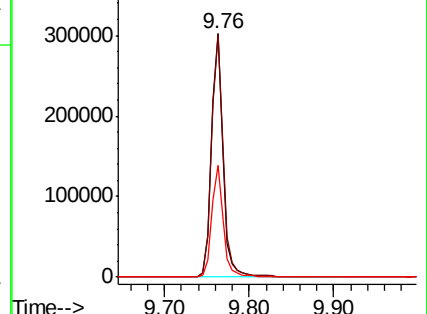
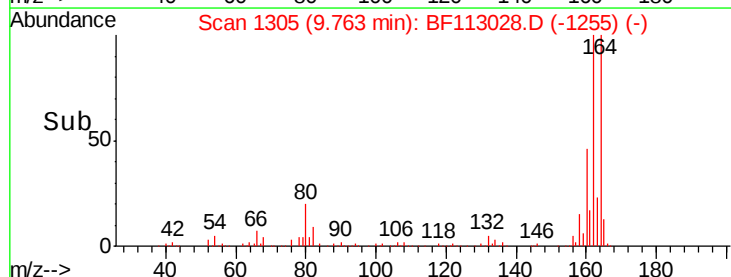
160 45.8 36.0 54.0

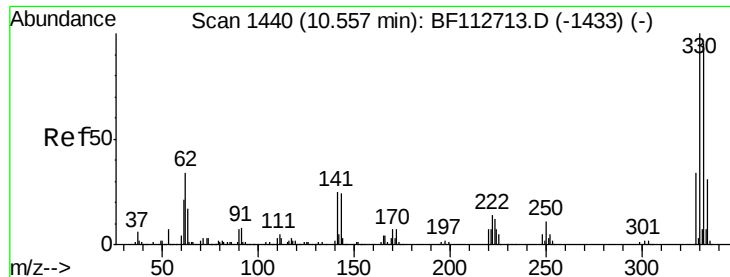


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

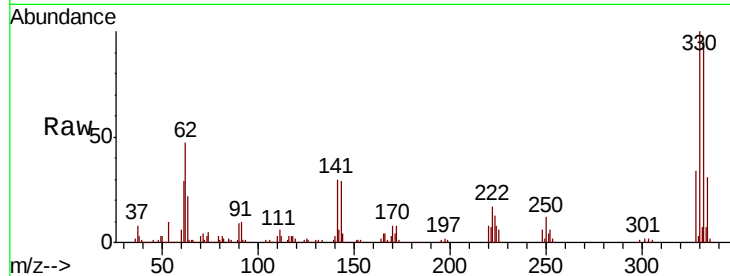




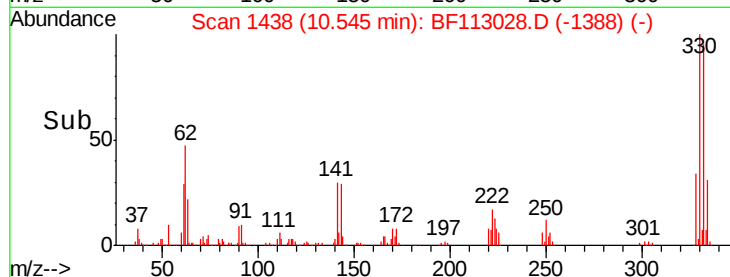
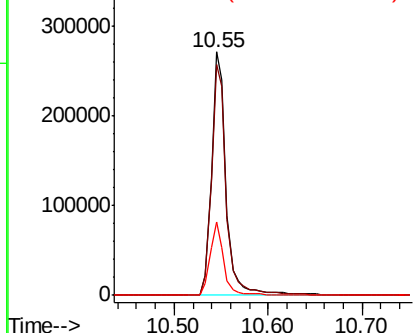
#42
 2,4,6-Tribromophenol
 Concen: 97.450 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113028.D
 Acq: 13 Mar 2019 9:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.4
141	28.5	27.0	40.6

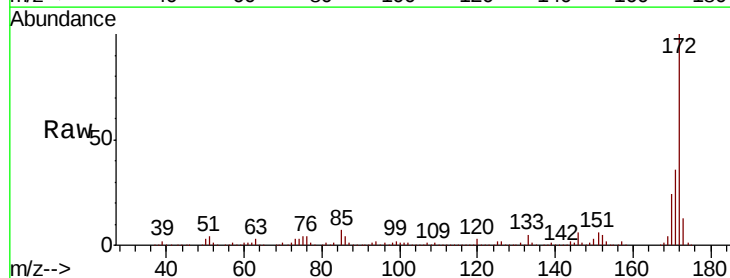


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

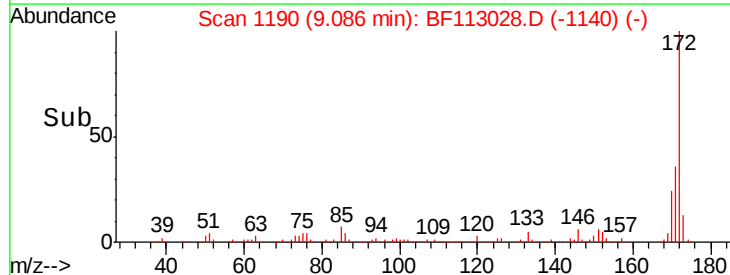
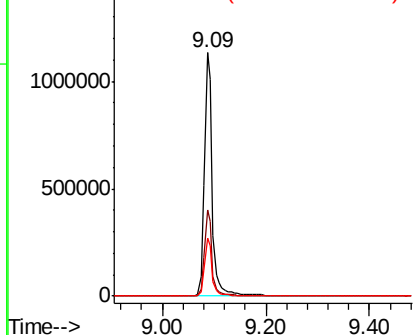


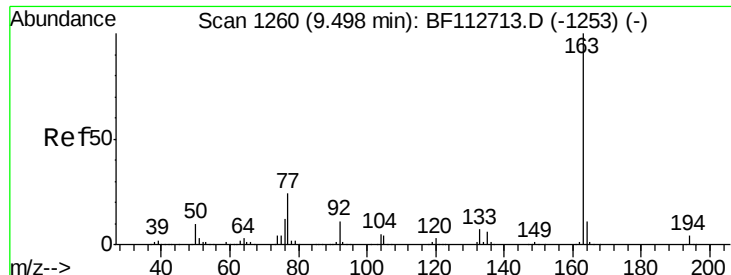
#45
 2-Fluorobiphenyl
 Concen: 65.904 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113028.D
 Acq: 13 Mar 2019 9:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	23.8	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

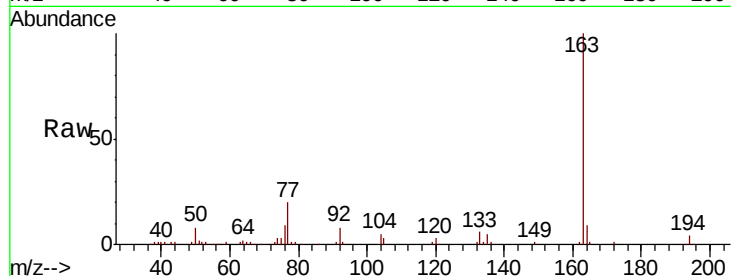




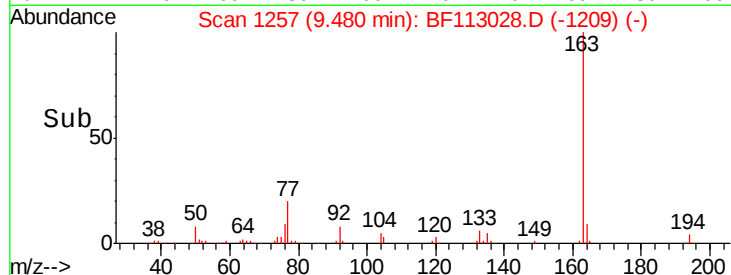
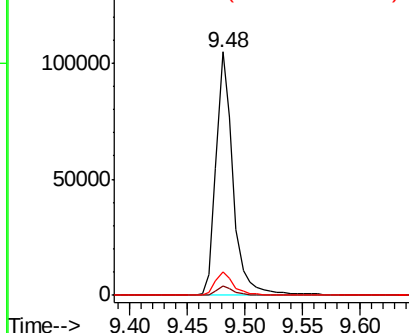
#50
Dimethylphthalate
Concen: 5.044 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.5	8.4	12.6

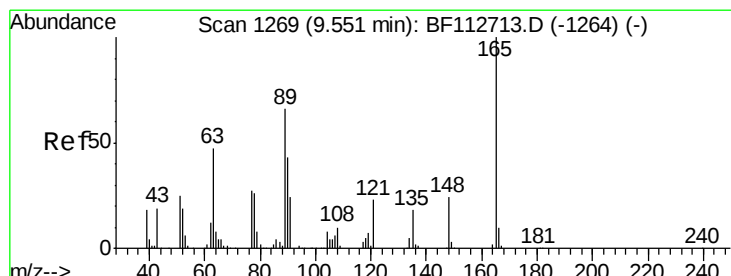


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

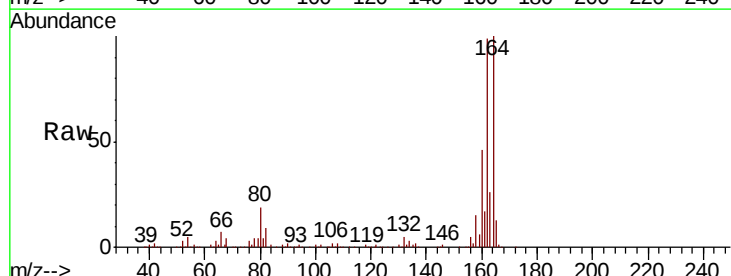
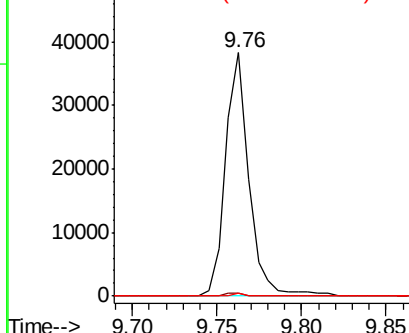


#51
2,6-Dinitrotoluene
Concen: 8.305 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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

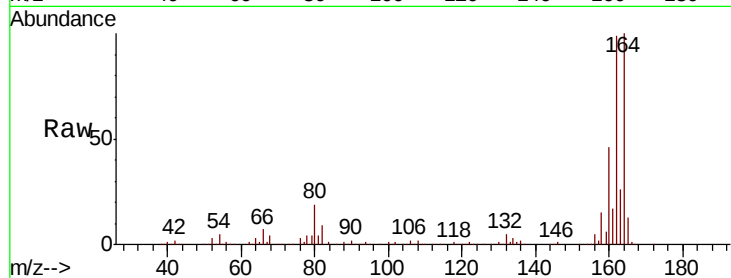




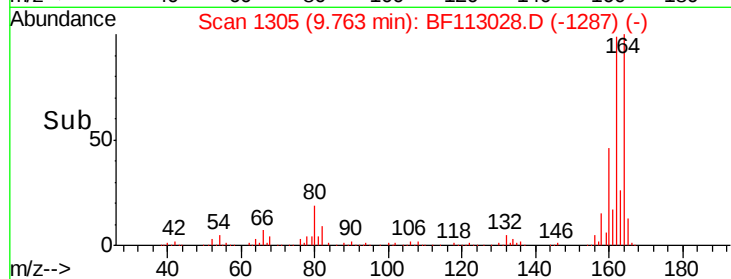
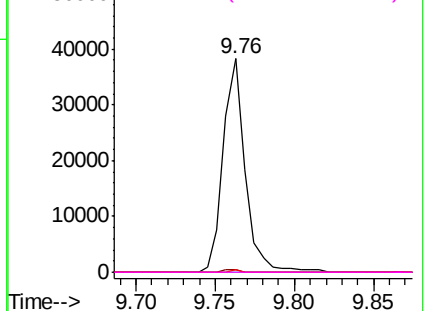
#57
 2,4-Dinitrotoluene
 Concen: 6.681 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF113028.D
 Acq: 13 Mar 2019 9:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#

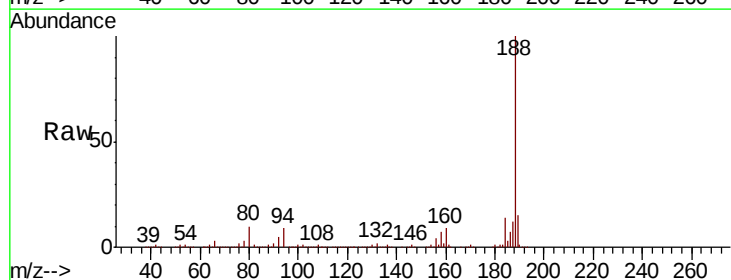


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

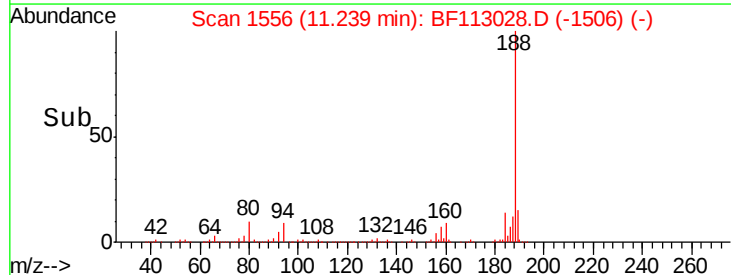
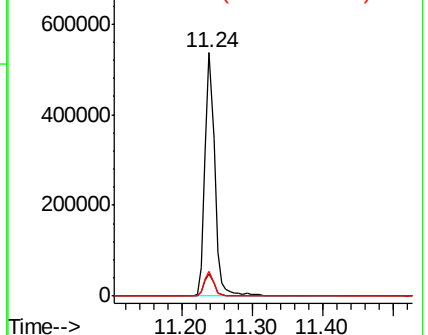


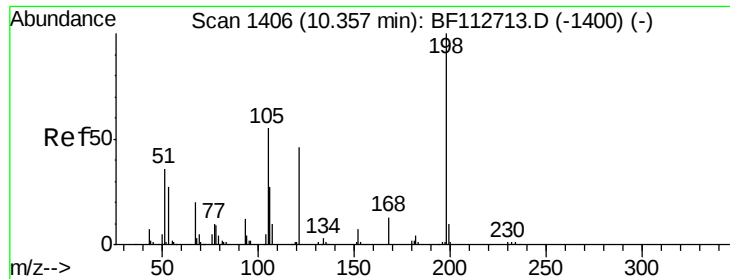
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113028.D
 Acq: 13 Mar 2019 9:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.0	13.4
80	9.9	9.2	13.8



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

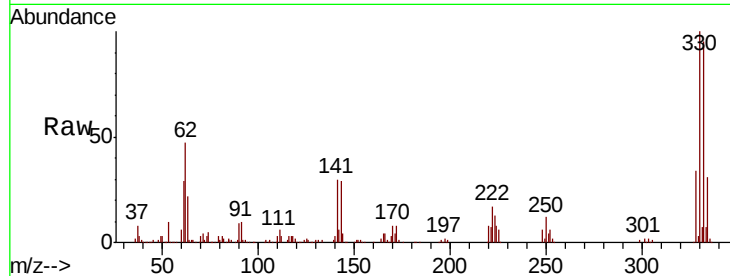




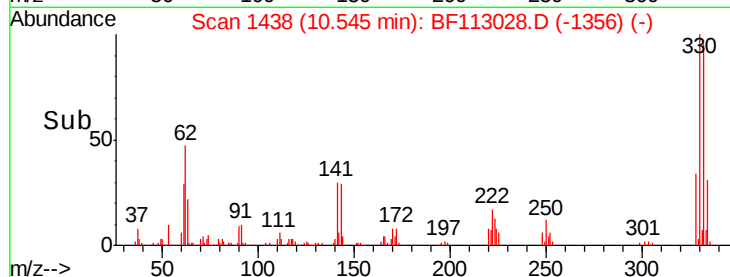
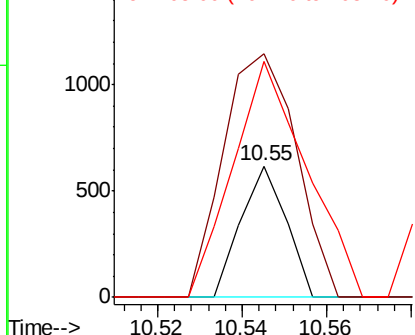
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.807 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113028.D
 Acq: 13 Mar 2019 9:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 460
 Ion Ratio Lower Upper
 198 100
 51 35.1 43.8 83.8#
 105 33.9 36.5 76.5#

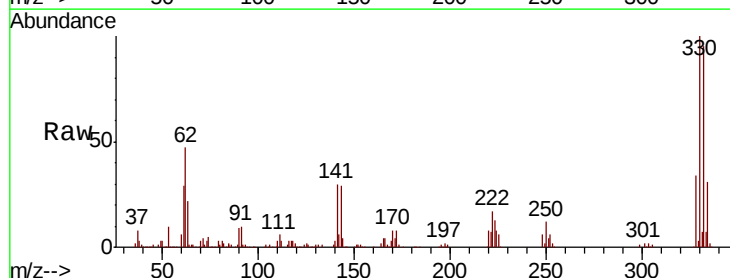


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

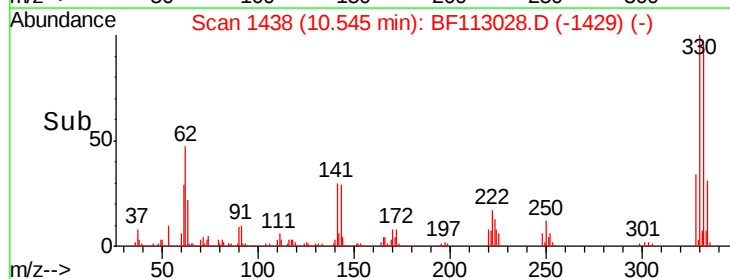
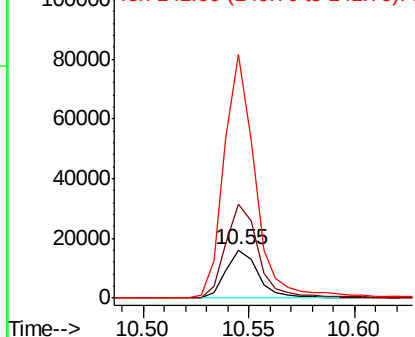


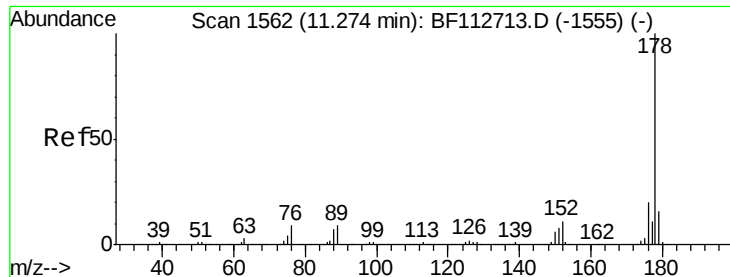
#67
 4-Bromophenyl-phenylether
 Concen: 3.107 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113028.D
 Acq: 13 Mar 2019 9:50

Tgt Ion:248 Resp: 17041
 Ion Ratio Lower Upper
 248 100
 250 196.8 77.5 116.3#
 141 507.4 62.4 93.6#



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

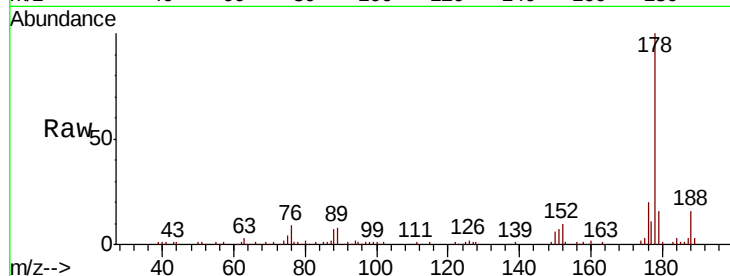




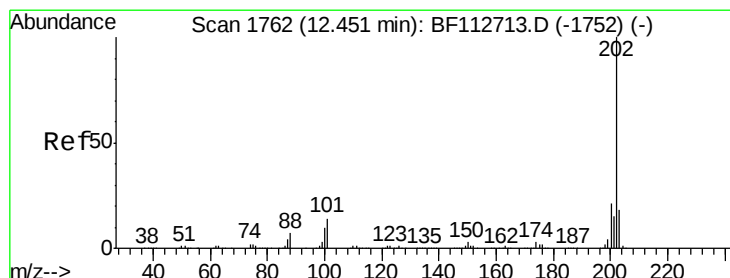
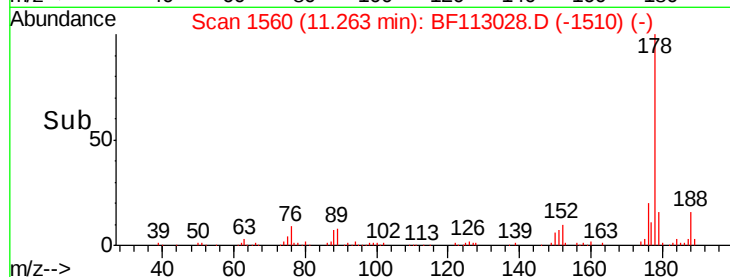
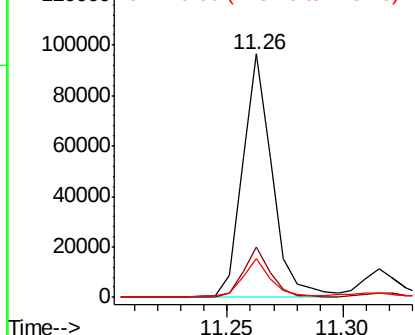
#71
Phenanthrene
Concen: 3.338 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.3	24.5
179	15.8	12.7	19.1

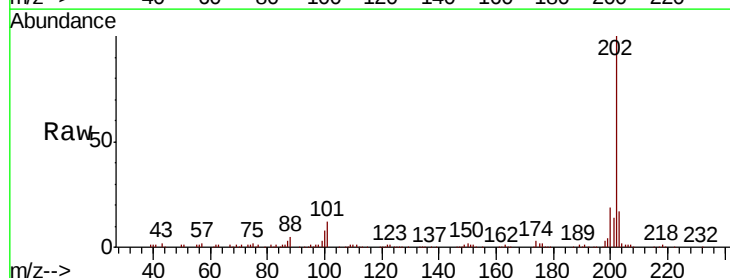


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

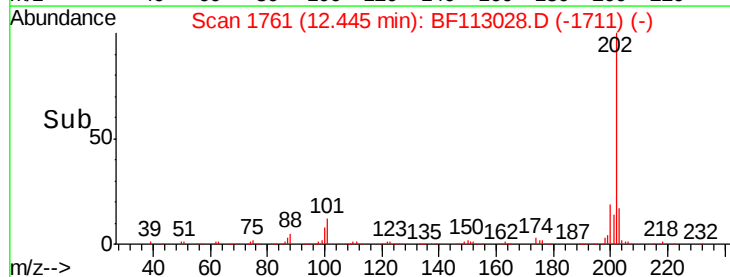
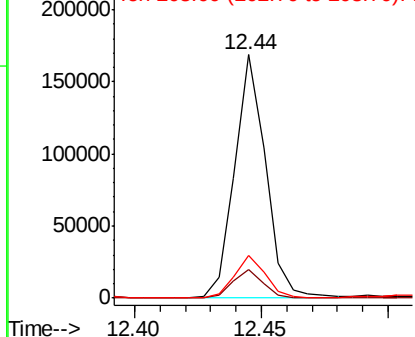


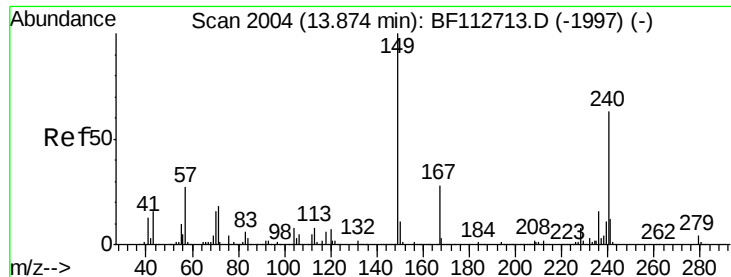
#75
Fluoranthene
Concen: 5.188 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.8
203	17.5	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: BF113028.D

Acq: 13 Mar 2019 9:50

Instrument :

BNA_F

ClientSampleId :

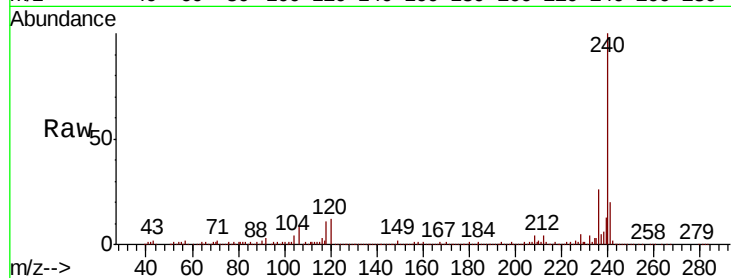
Tot Ion:240 Resp: 536922

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

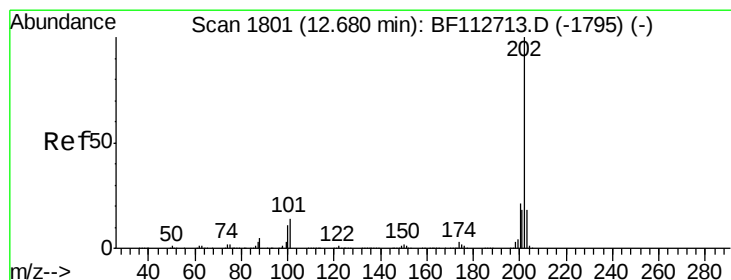
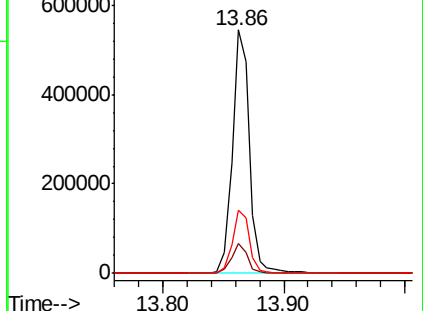
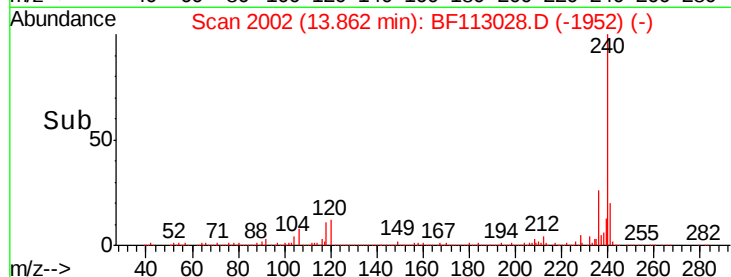
236 25.8 20.7 31.1



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

Pyrene

Concen: 4.006 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

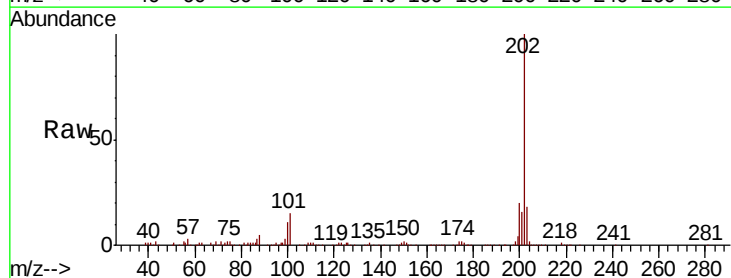
Tgt Ion:202 Resp: 181338

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.4

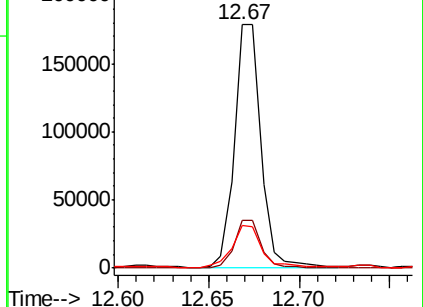
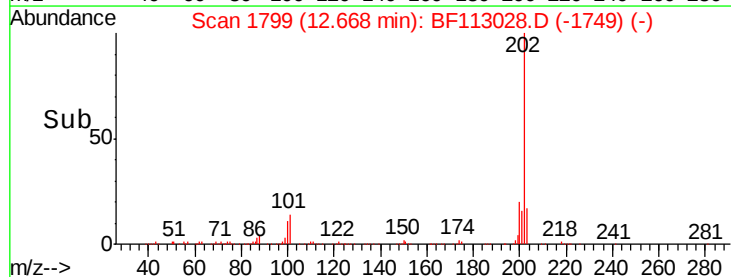
203 17.7 14.4 21.6

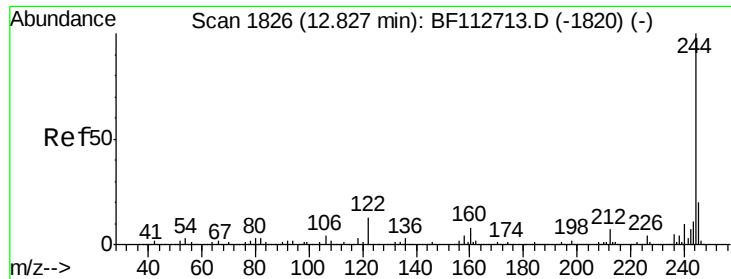


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 43.284 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

Instrument :

BNA_F

ClientSampleId :

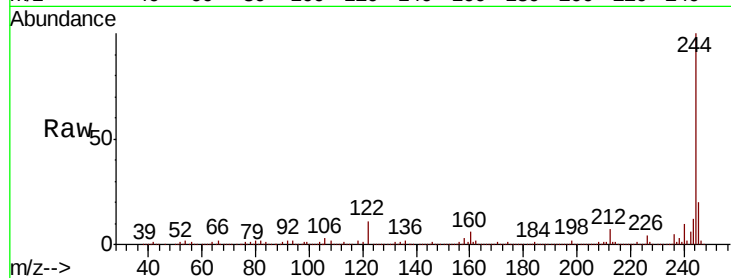
Tot Ion:244 Resp: 1198879

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

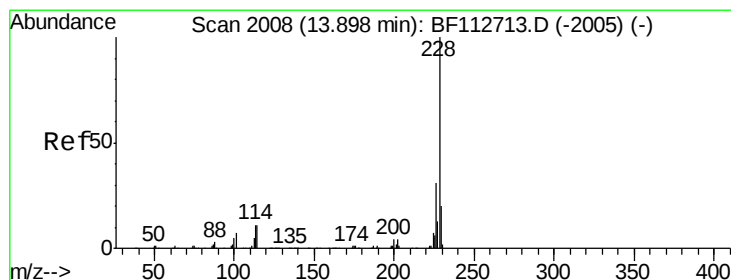
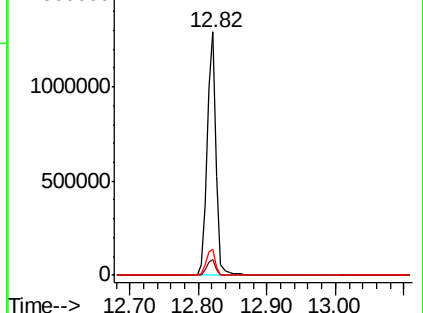
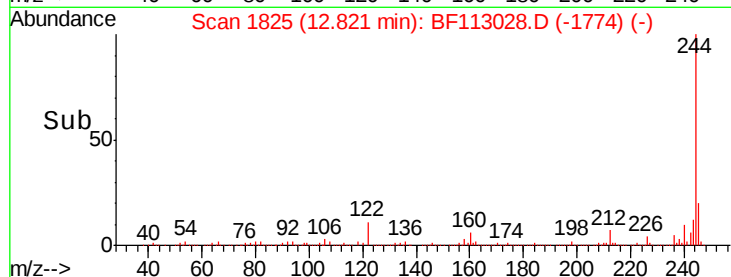
122 10.6 10.5 15.7



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



#83

Chrysene

Concen: 2.408 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF113028.D

Acq: 13 Mar 2019 9:50

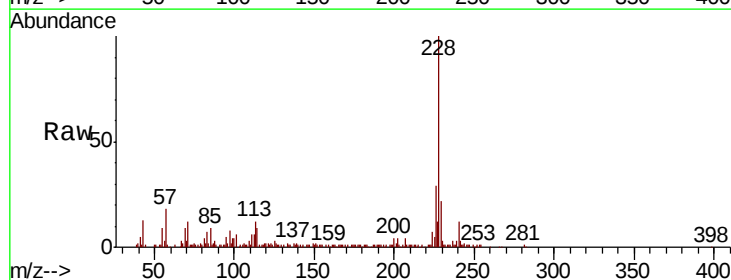
Tgt Ion:228 Resp: 87785

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

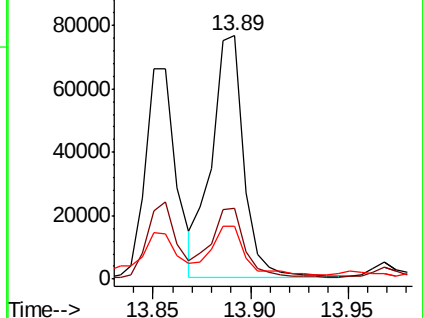
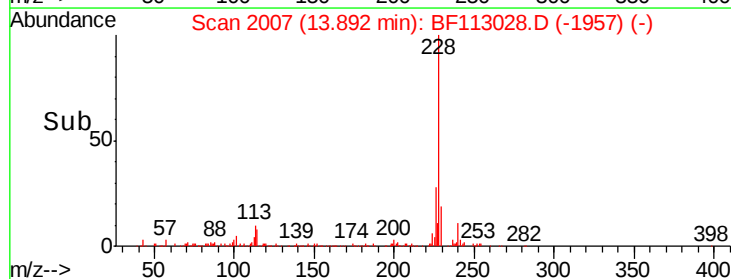
229 21.8 16.3 24.5

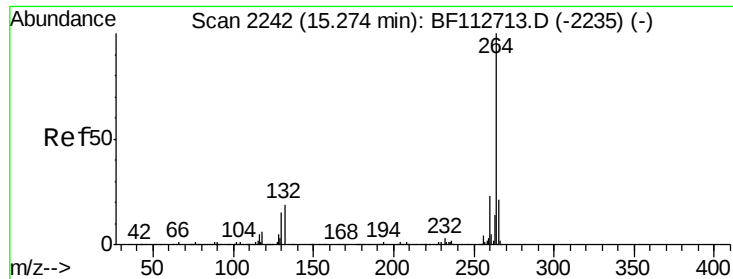


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



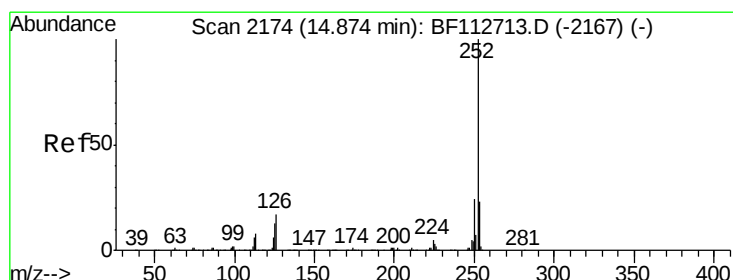
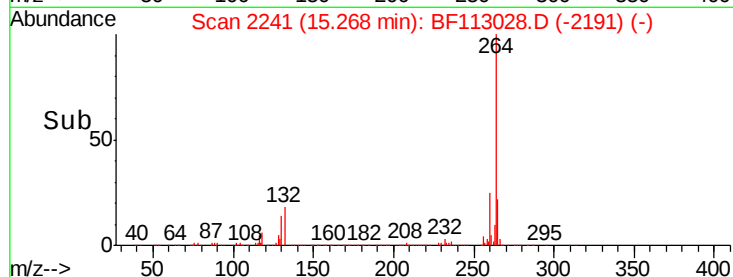
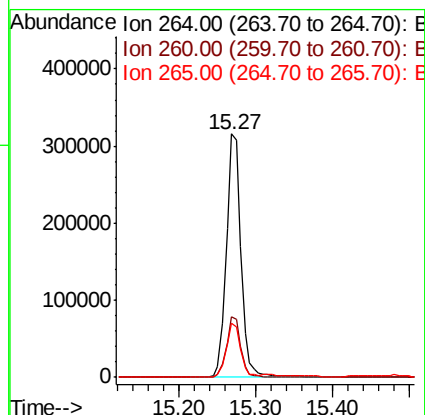
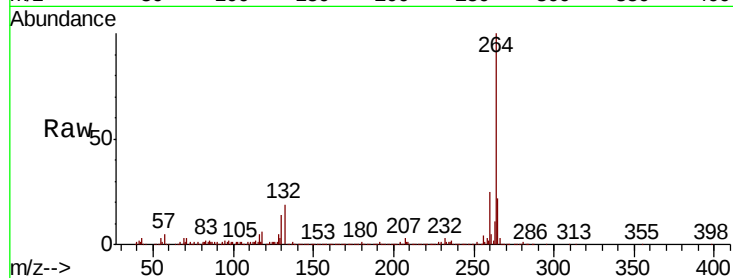


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 422764

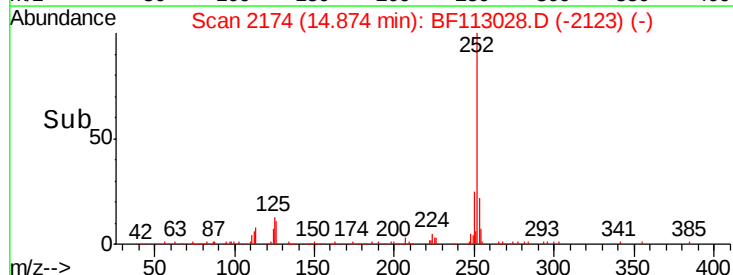
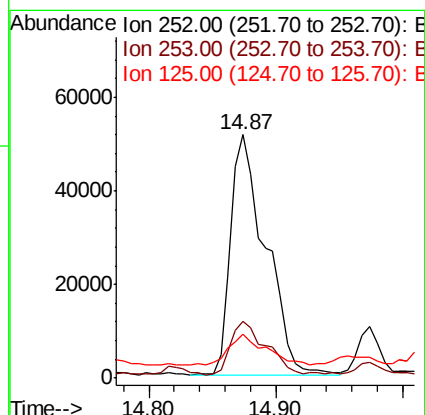
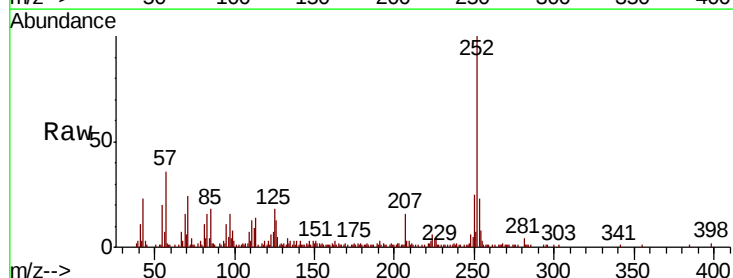
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.3	17.2	25.8

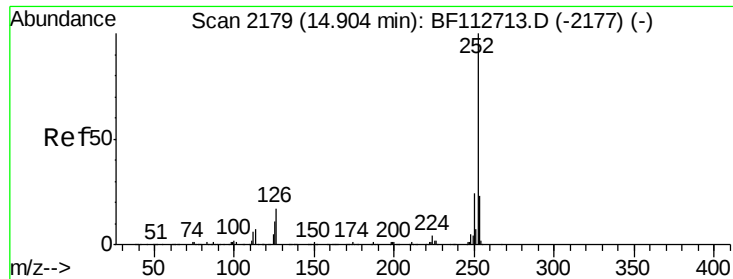


#88
Benzo(b)fluoranthene
Concen: 3.616 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Tgt Ion:252 Resp: 98880

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	18.2	10.2	15.2#

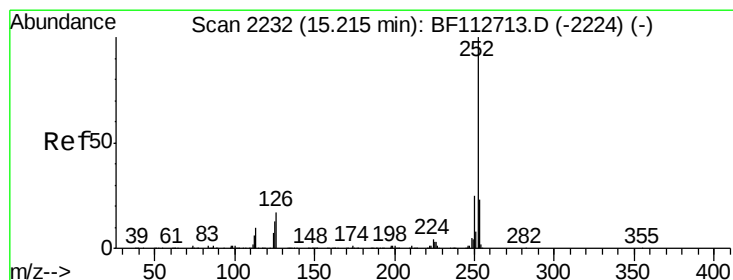
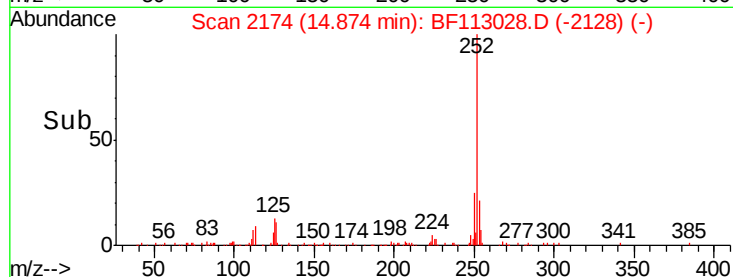
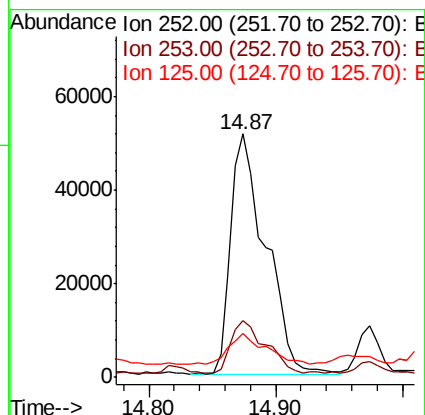
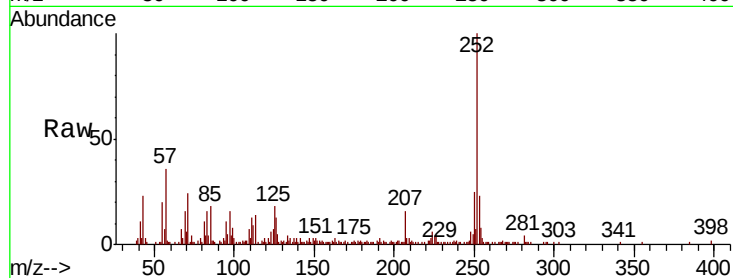




#89
Benzo(k)fluoranthene
Concen: 3.992 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 98880
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 18.2 9.8 14.6#



#90
Benzo(a)pyrene
Concen: 2.137 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113028.D
Acq: 13 Mar 2019 9:50

Tgt Ion:252 Resp: 51699
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 20.4 10.7 16.1#

