

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113042.D
 Acq On : 13 Mar 2019 22:13
 Operator : JU/SJ
 Sample : K1870-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 02:03:37 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	198482	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	752564	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	368674	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	680965	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	566538	20.00	ng	0.00
87) Perylene-d12	15.27	264	526134	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	589053	46.17	ng	0.00
7) Phenol-d6	6.37	99	829022	51.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	466803	37.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	247493	63.23	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	813051	30.58	ng	-0.01
79) Terphenyl-d14	12.82	244	776497	26.57	ng	0.00

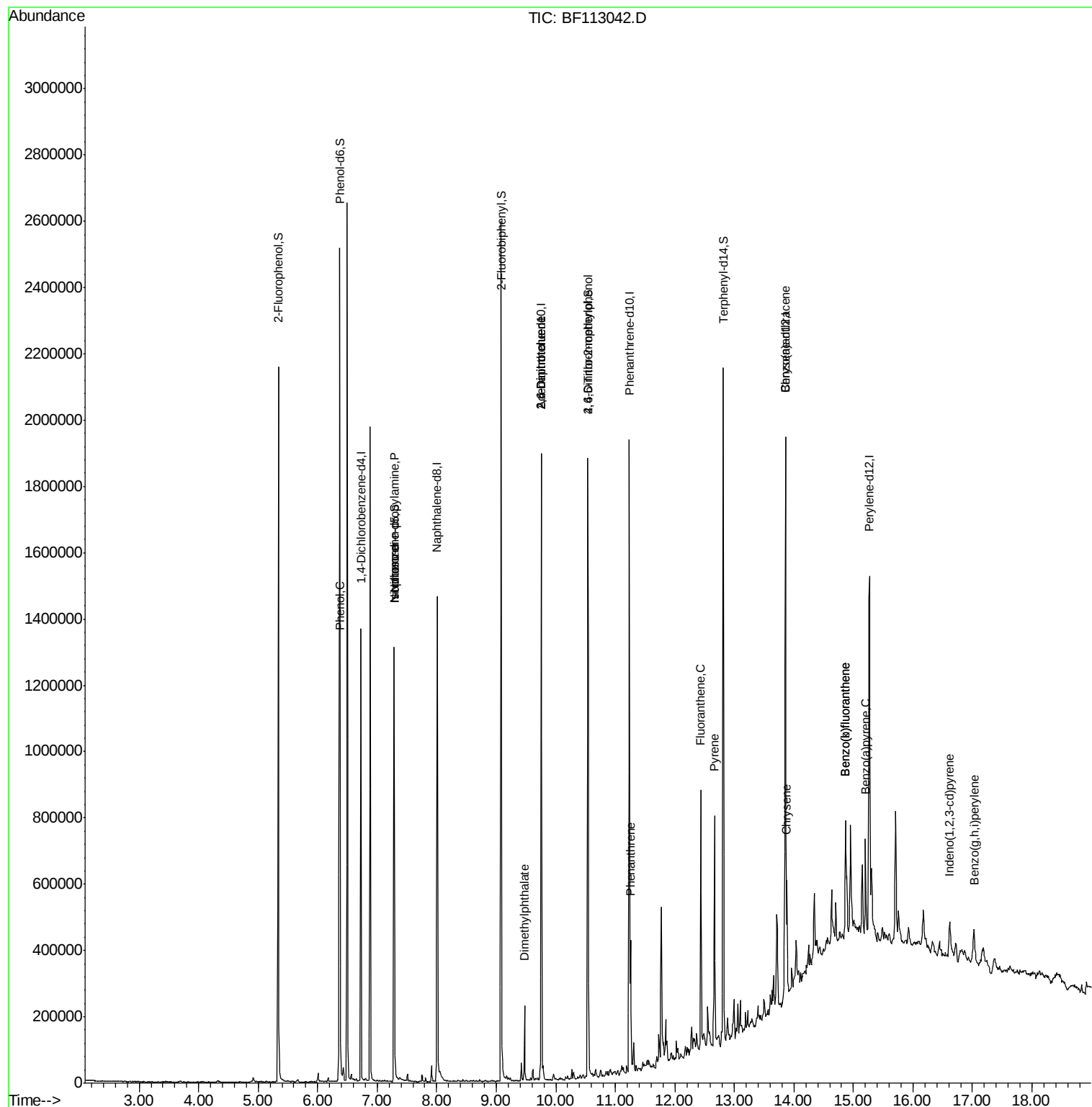
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	55187	2.951	ng	92
19) n-Nitroso-di-n-propylamine	7.28	70	60895	5.999	ng	# 76
25) Isophorone	7.28	82	453450	16.736	ng	# 66
50) Dimethylphthalate	9.47	163	87819	3.231	ng	100
51) 2,6-Dinitrotoluene	9.76	165	47311	8.358	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	47311	6.724	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	444	4.756	ng	# 1
71) Phenanthrene	11.26	178	127973	3.777	ng	96
75) Fluoranthene	12.44	202	311719	8.587	ng	96
78) Pyrene	12.67	202	310391	6.499	ng	99
81) Benzo(a)anthracene	13.85	228	154190	3.927	ng	98
83) Chrysene	13.89	228	147376	3.832	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	67923	2.071	ng	94
88) Benzo(b)fluoranthene	14.87	252	254807	7.487	ng	99
89) Benzo(k)fluoranthene	14.87	252	254807	8.266	ng	98
90) Benzo(a)pyrene	15.20	252	140153	4.656	ng	97
92) Benzo(a,h,i)perylene	17.03	276	68955	2.673	ng	98

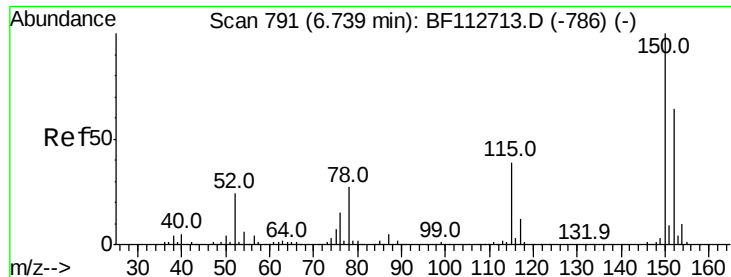
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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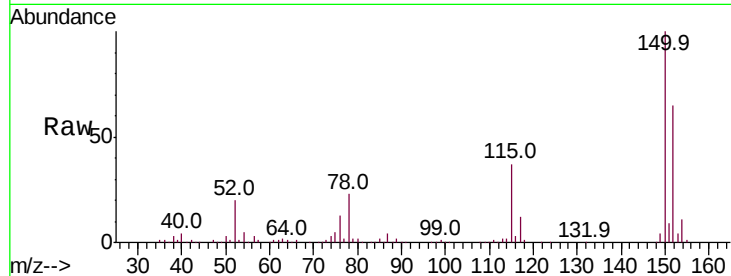


#1

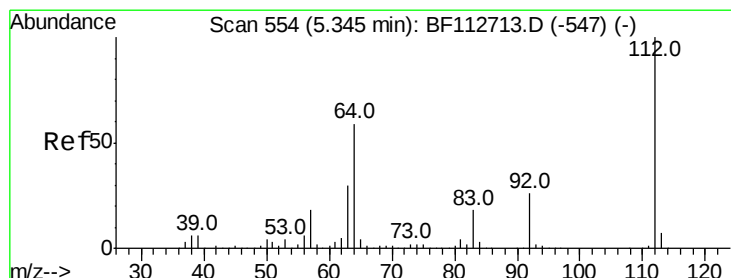
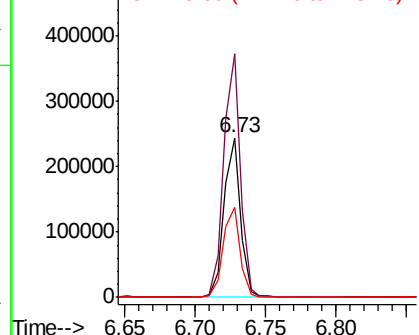
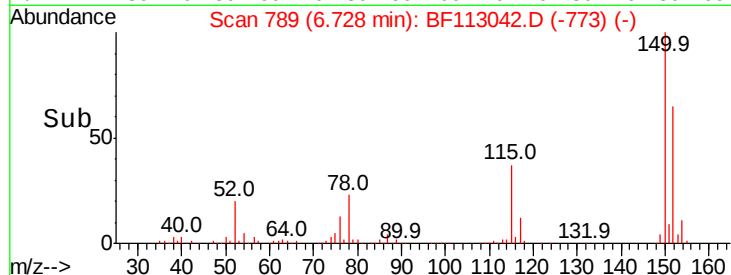
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 198482
Ion Ratio Lower Upper
152 100
150 152.9 124.2 186.2
115 56.6 48.2 72.4



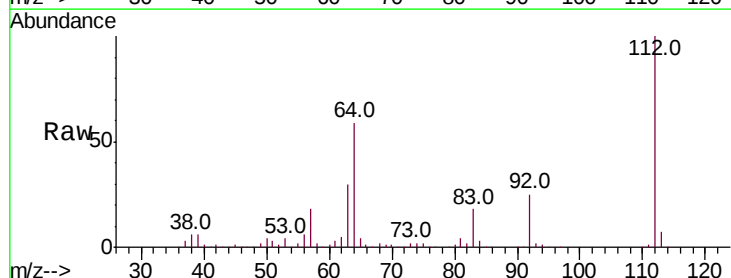
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



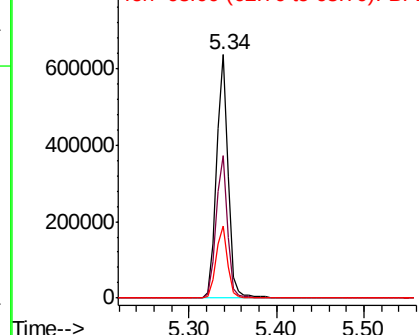
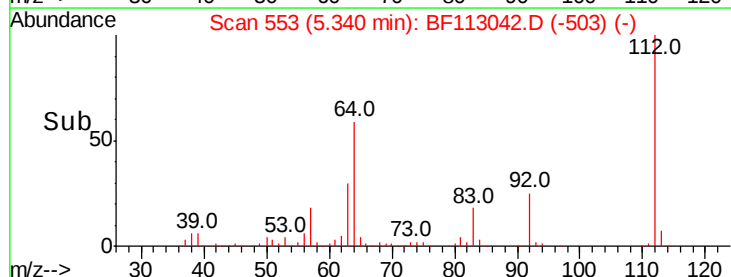
#5

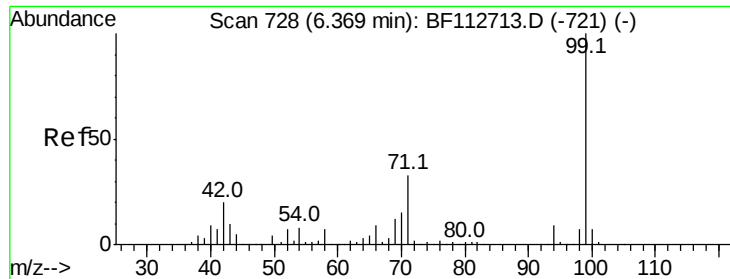
2-Fluorophenol
Concen: 46.165 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Tgt Ion:112 Resp: 589053
Ion Ratio Lower Upper
112 100
64 58.5 47.6 71.4
63 29.6 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: 51.723 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

ClientSampleId :

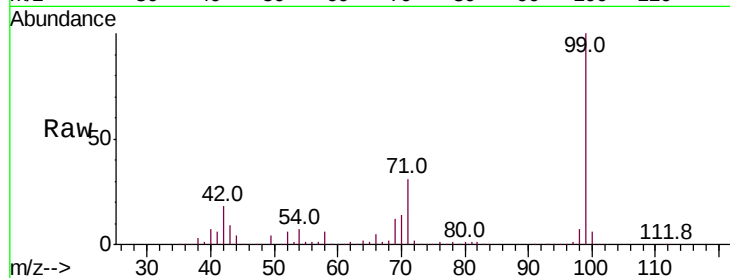
Tot Ion: 99 Resp: 829022

Ion Ratio Lower Upper

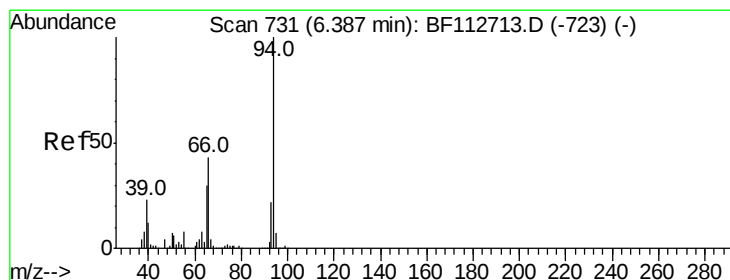
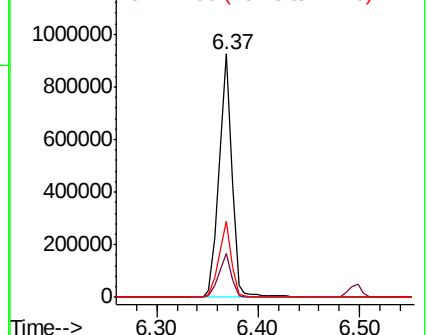
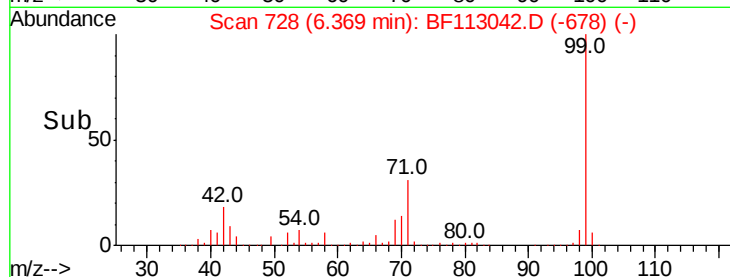
99 100

42 18.1 16.3 24.5

71 31.0 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



#10

Phenol

Concen: 2.951 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

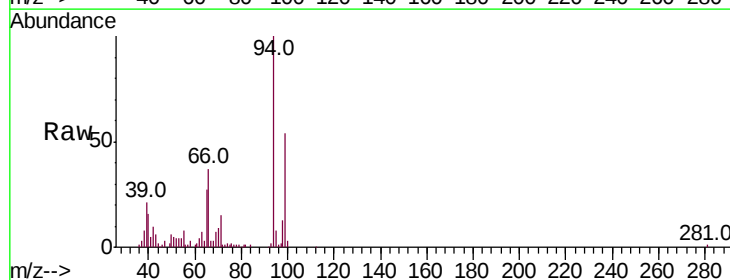
Tgt Ion: 94 Resp: 55187

Ion Ratio Lower Upper

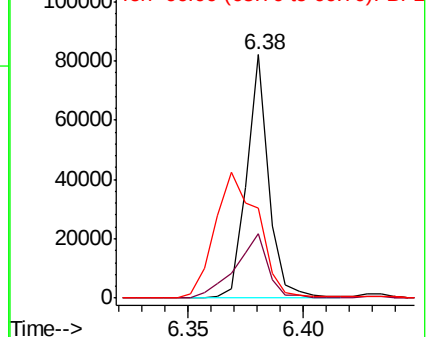
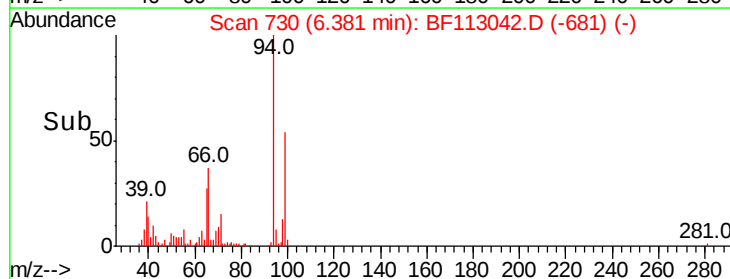
94 100

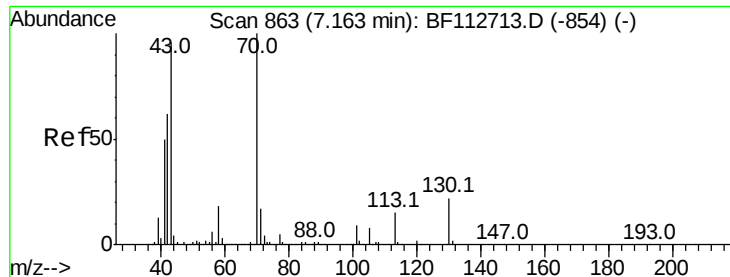
65 26.5 10.5 50.5

66 36.8 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

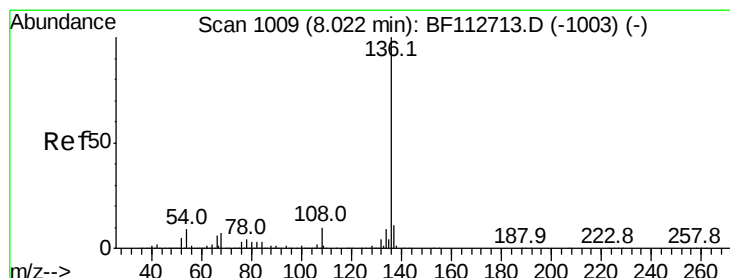
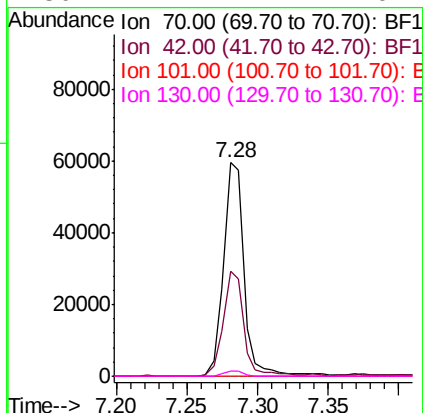
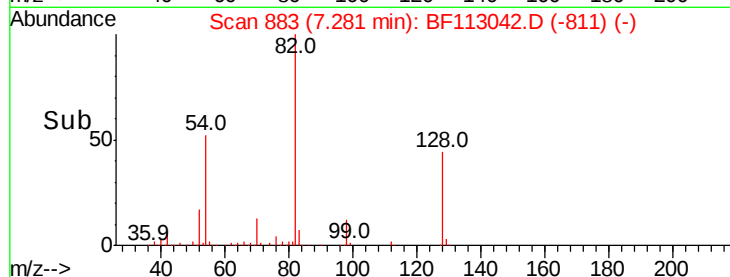
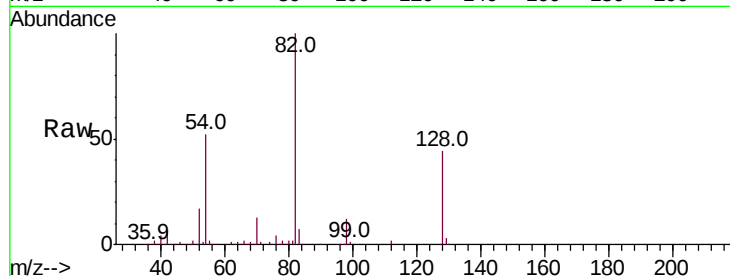




#19
n-Nitroso-di-n-propylamine
Concen: 5.999 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.12 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

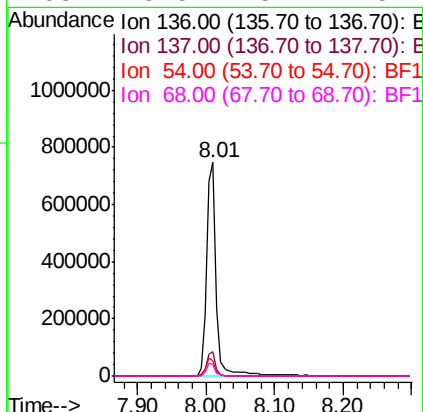
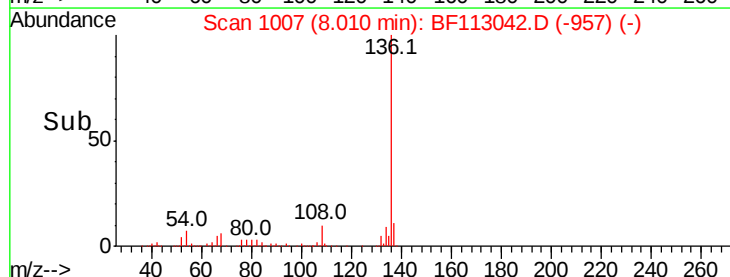
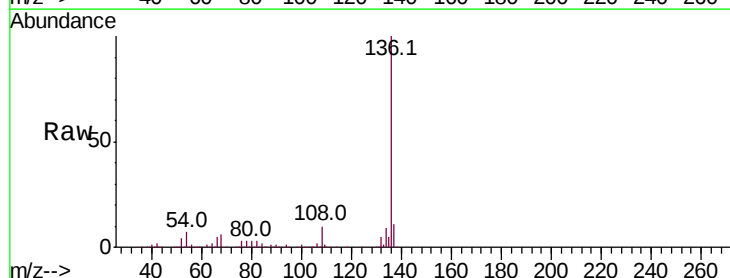
Instrument :
BNA_F
ClientSampleId :

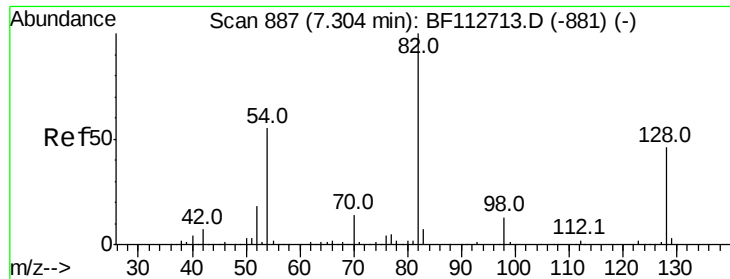
Tot Ion: 70 Resp: 60895
Ion Ratio Lower Upper
70 100
42 49.1 49.9 74.9#
101 0.0 7.4 11.2#
130 2.2 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Tgt Ion: 136 Resp: 752564
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.4 7.3 10.9
68 5.5 5.4 8.2

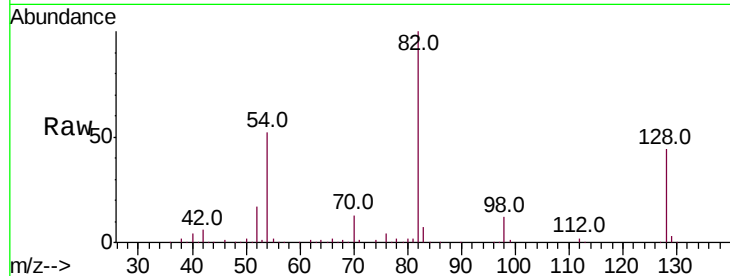




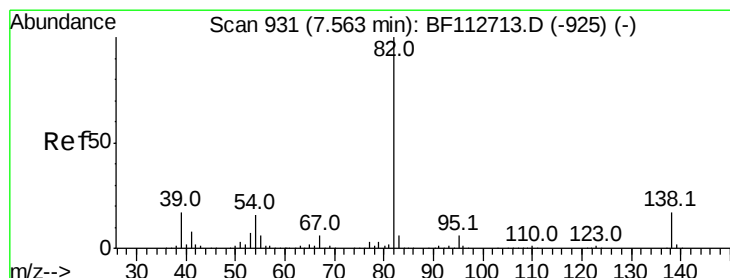
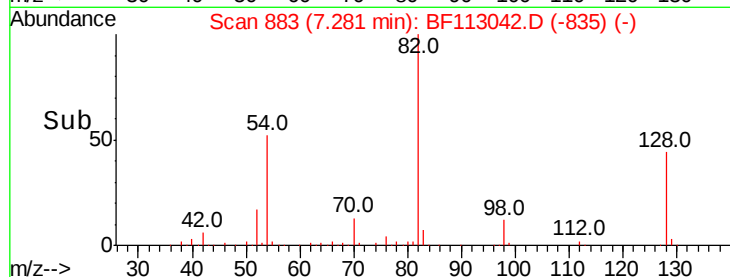
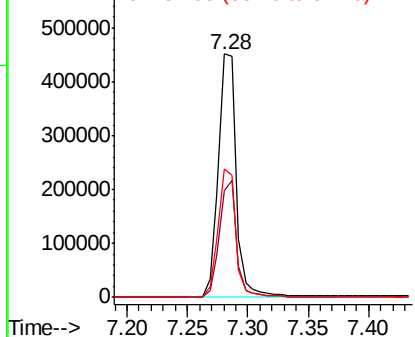
#23
 Nitrobenzene-d5
 Concen: 37.116 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	466803
Ion Ratio	Lower	Upper	
82	100		
128	44.0	36.3	54.5
54	52.5	43.7	65.5

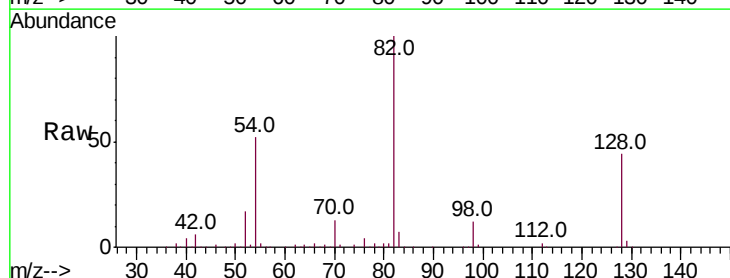


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

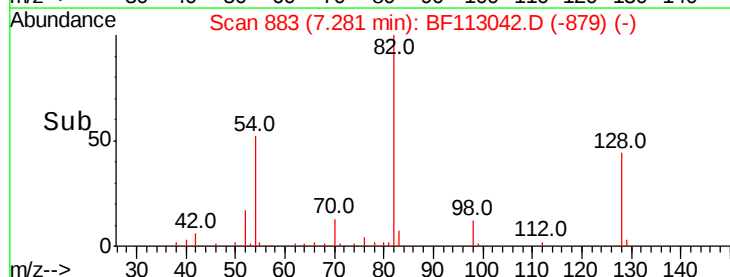
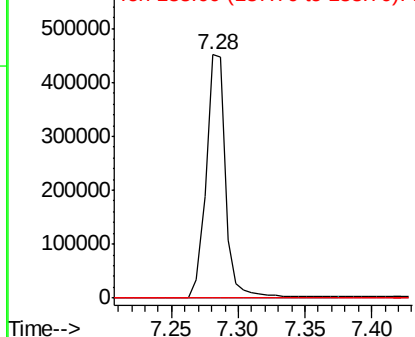


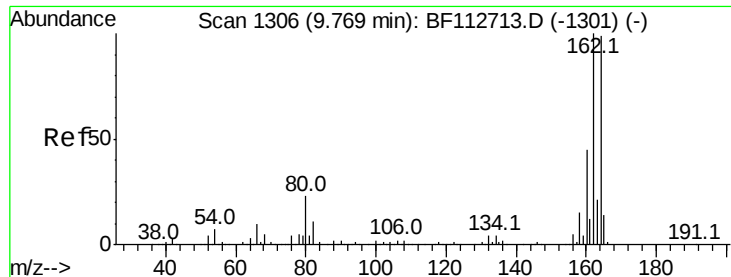
#25
 Isophorone
 Concen: 16.736 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.28 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Tgt Ion	82	Resp	453450
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

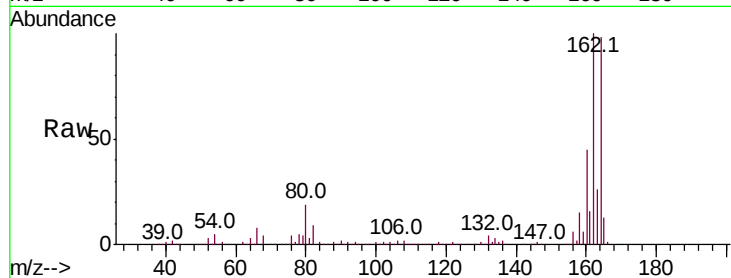




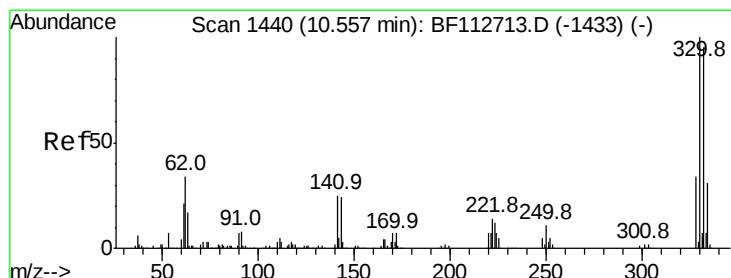
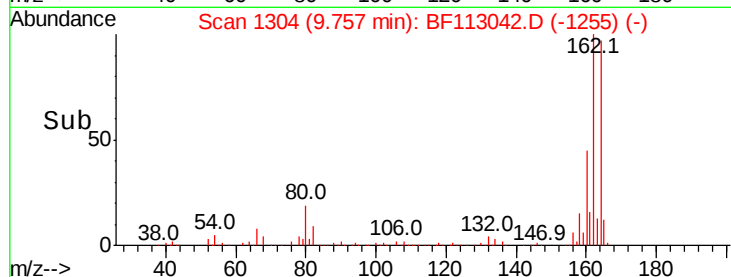
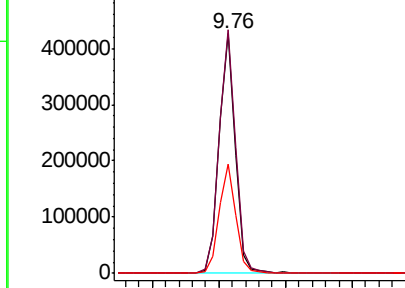
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 368674
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.5 36.0 54.0

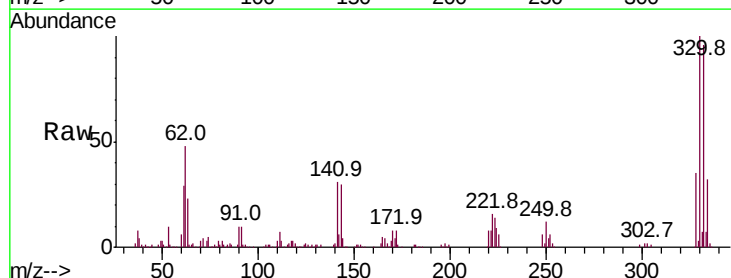


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

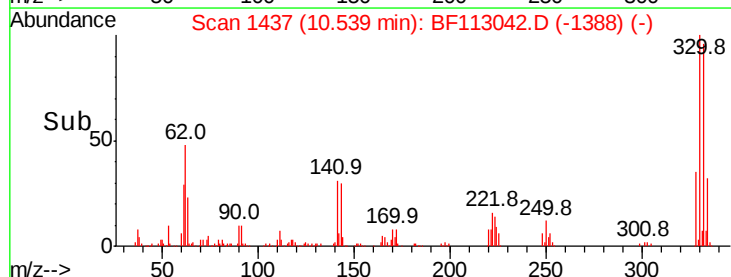
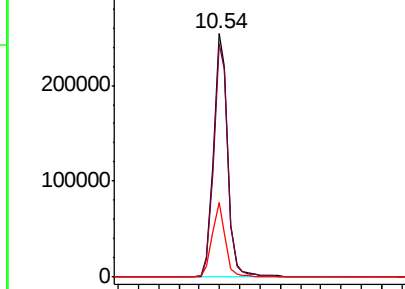


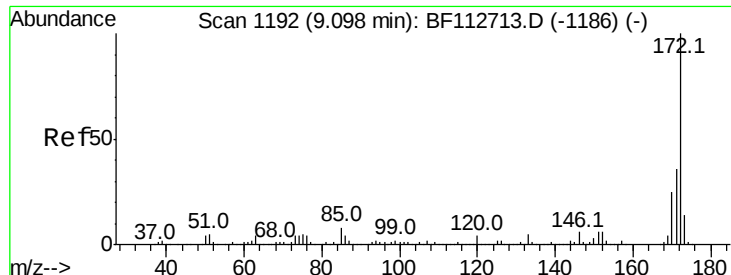
#42
2,4,6-Tribromophenol
Concen: 63.234 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Tgt Ion:330 Resp: 247493
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 28.7 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

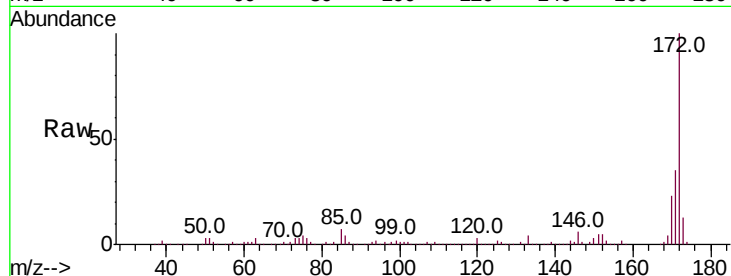




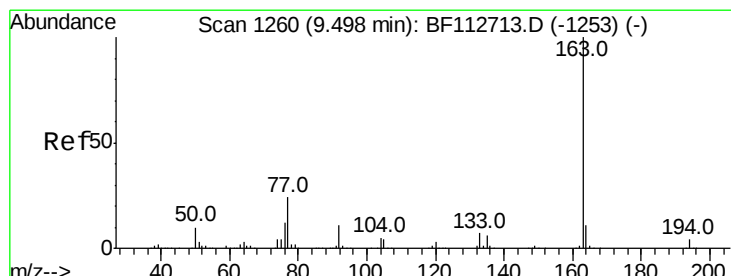
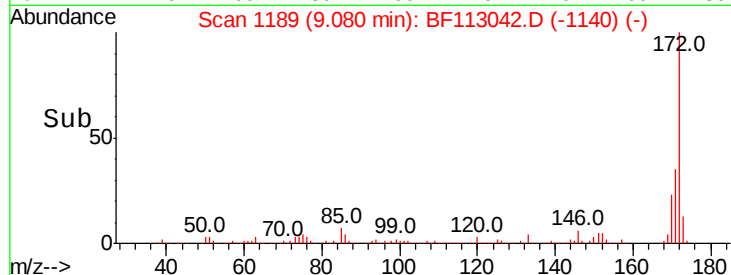
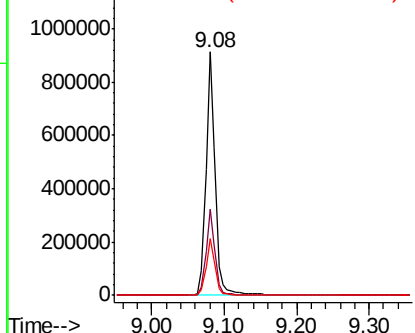
#45
 2-Fluorobiphenyl
 Concen: 30.579 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 813051
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.4
 170 23.4 20.0 30.0

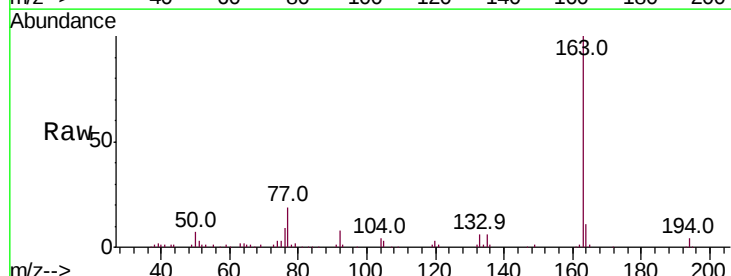


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

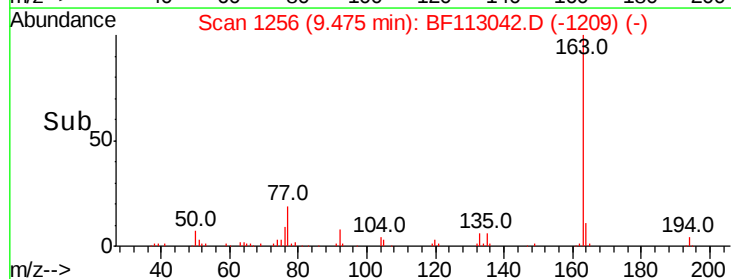
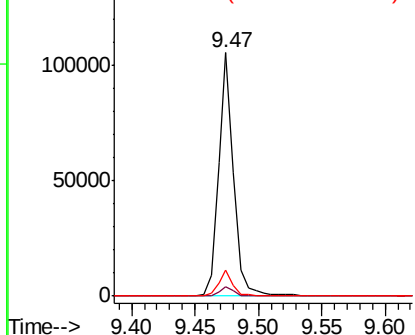


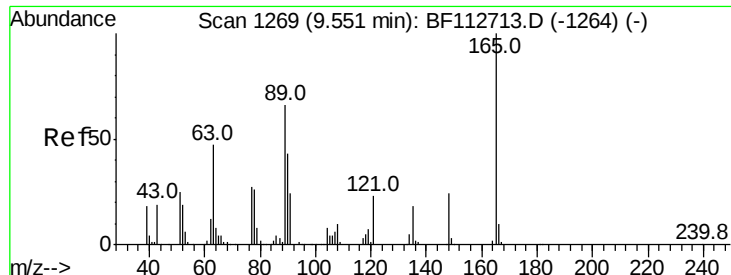
#50
 Dimethylphthalate
 Concen: 3.231 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Tgt Ion:163 Resp: 87819
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.0 4.4
 164 10.6 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: 8.358 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

ClientSampleId :

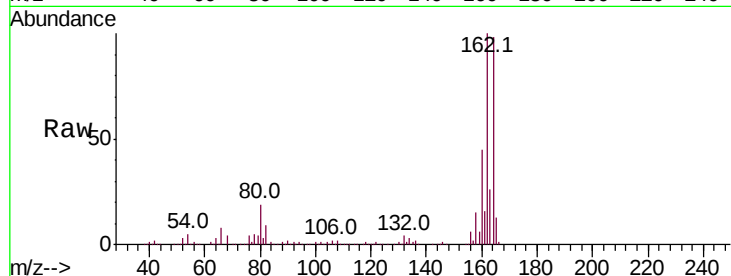
Tot Ion:165 Resp: 47311

Ion Ratio Lower Upper

165 100

63 1.3 54.1 81.1#

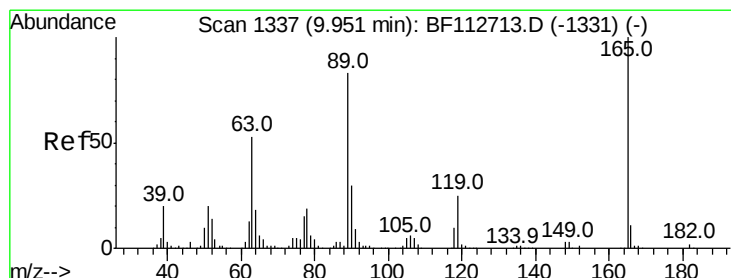
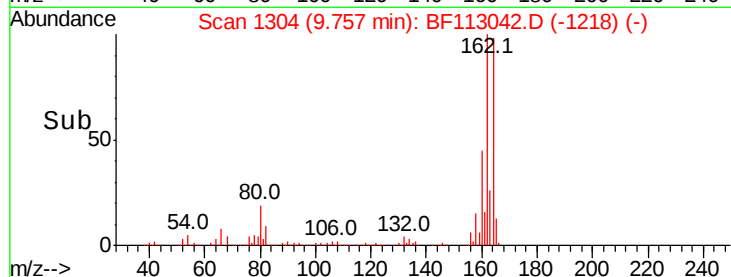
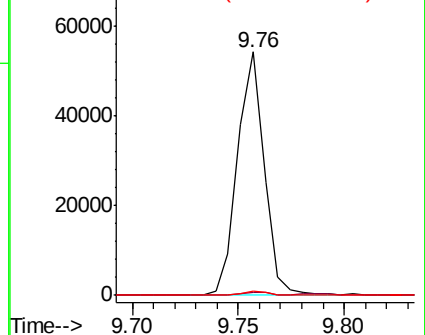
89 1.7 52.8 79.2#



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: 6.724 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Tgt Ion:165 Resp: 47311

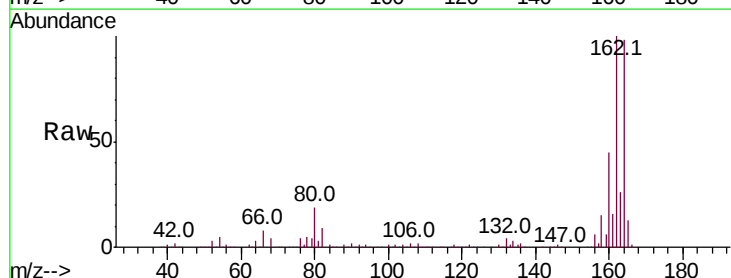
Ion Ratio Lower Upper

165 100

63 1.3 42.2 63.2#

89 1.7 66.2 99.4#

182 0.0 1.8 2.6#

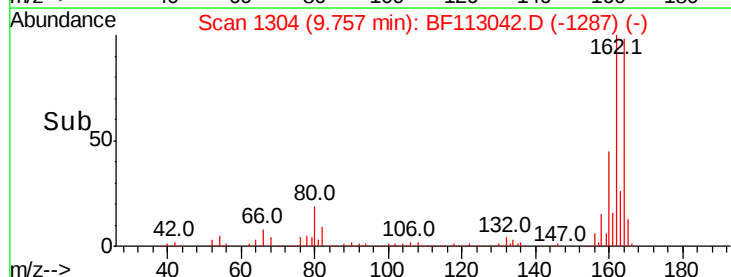
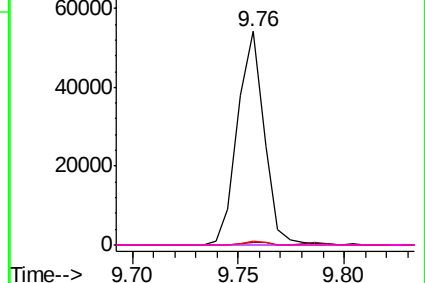


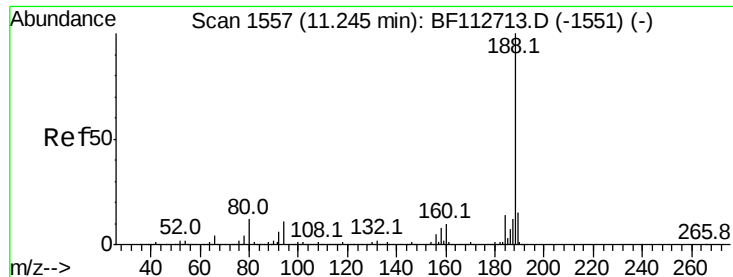
Abundance Ion 165.00 (164.70 to 165.70): E

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

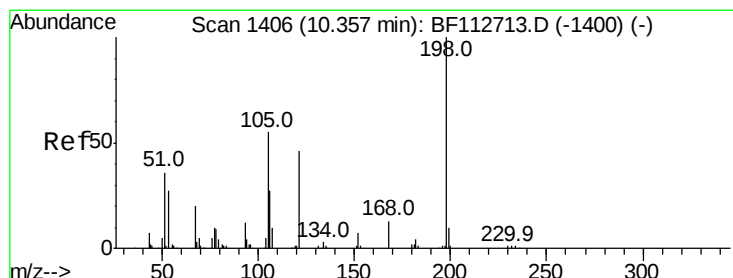
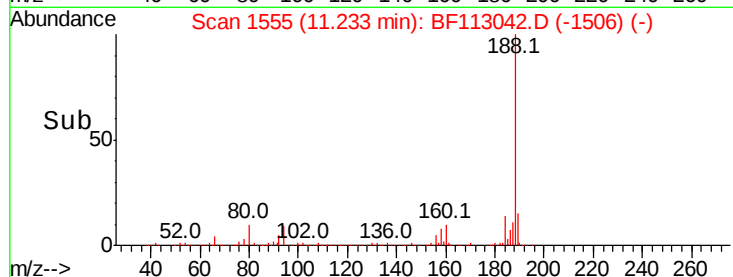
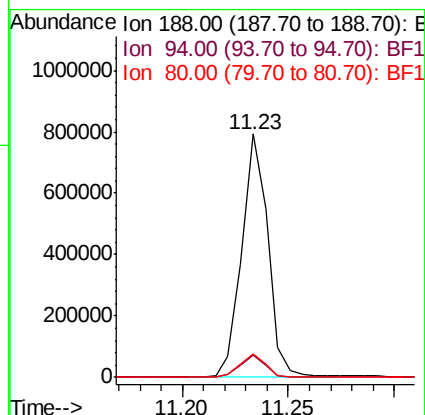
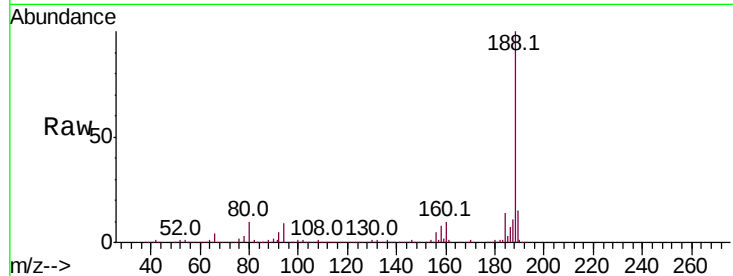




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

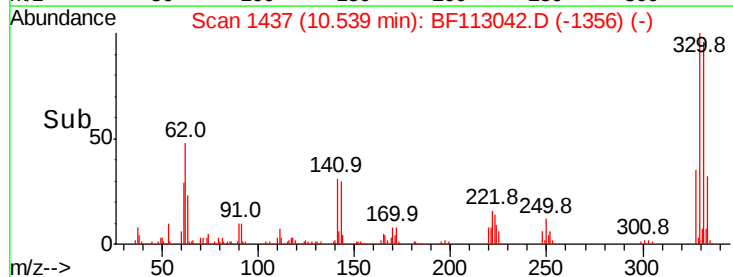
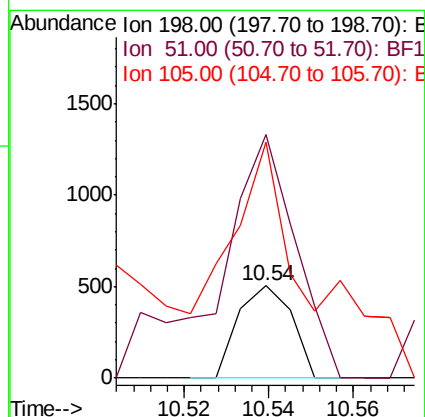
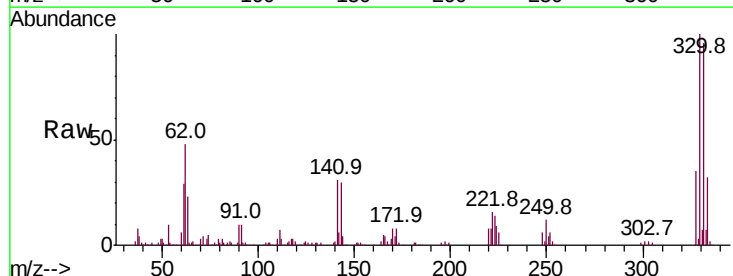
Instrument :
BNA_F
ClientSampled :

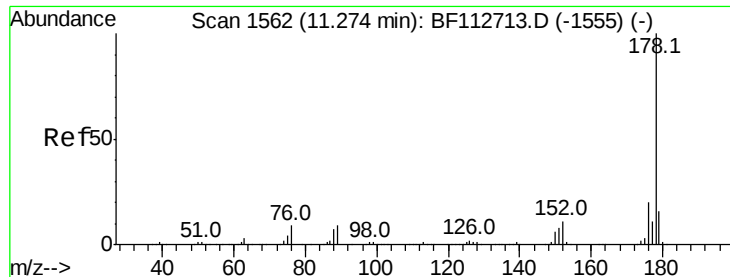
Tot Ion:188 Resp: 680965
Ion Ratio Lower Upper
188 100
94 9.3 9.0 13.4
80 9.9 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.756 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Tgt Ion:198 Resp: 444
Ion Ratio Lower Upper
198 100
51 264.1 43.8 83.8#
105 256.3 36.5 76.5#





#71

Phenanthrene

Concen: 3.777 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

ClientSampleId :

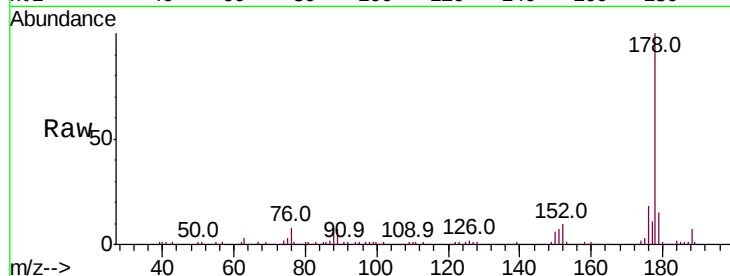
Tot Ion:178 Resp: 127973

Ion Ratio Lower Upper

178 100

176 18.2 16.3 24.5

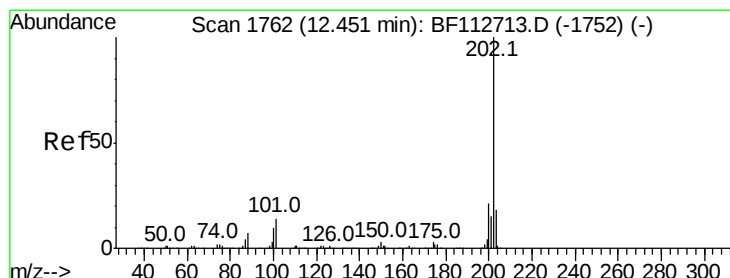
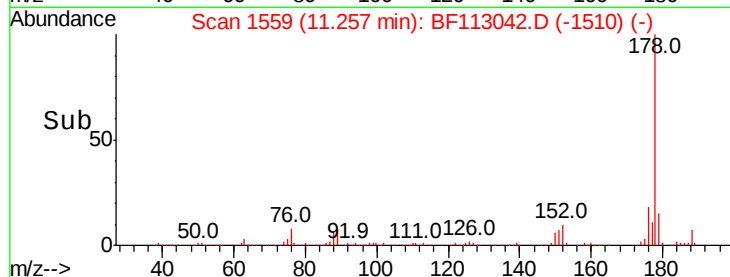
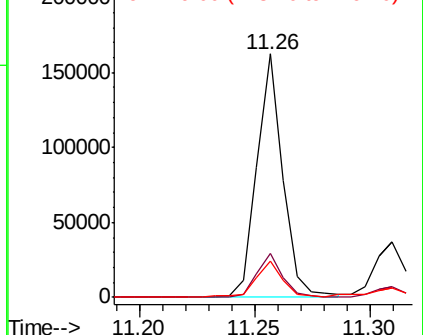
179 14.9 12.7 19.1



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: 8.587 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

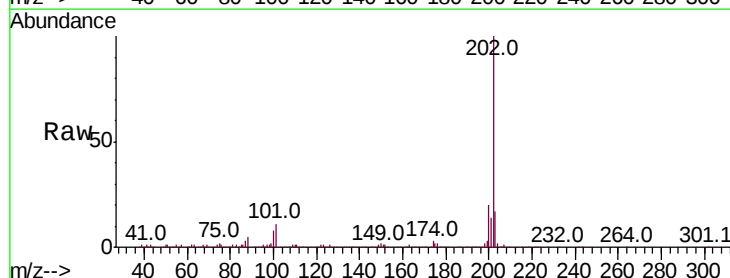
Tgt Ion:202 Resp: 311719

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.8

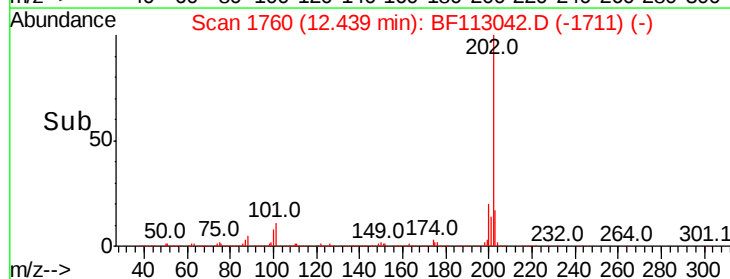
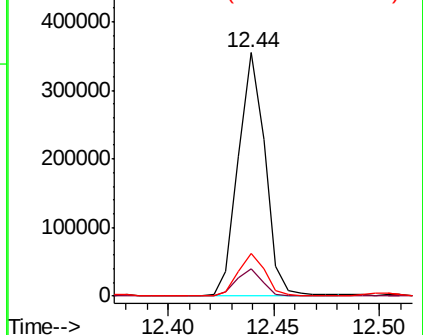
203 17.3 0.0 38.4

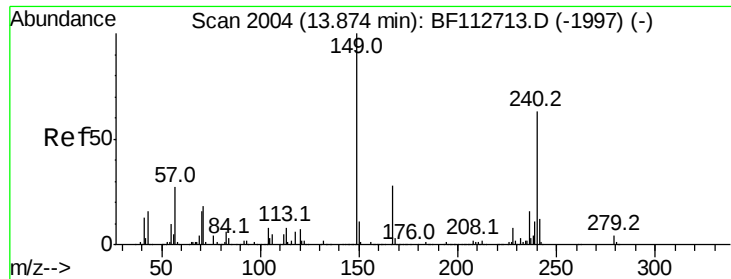


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

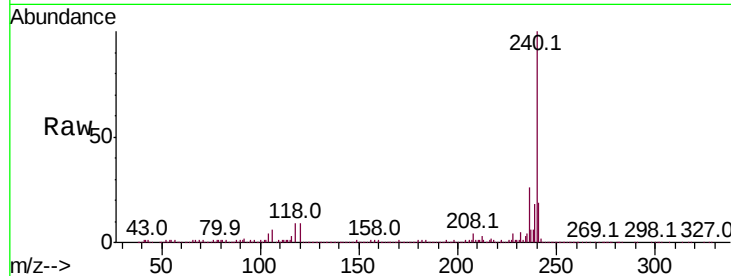




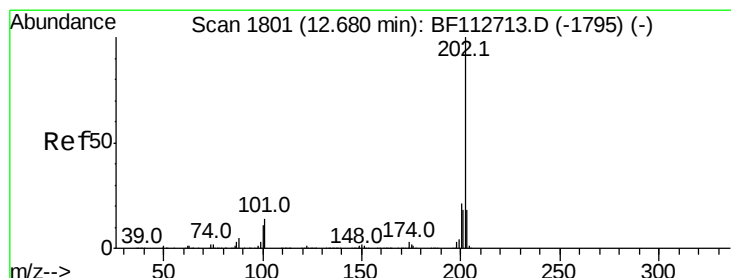
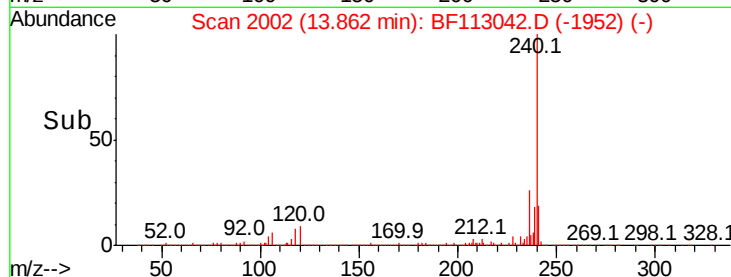
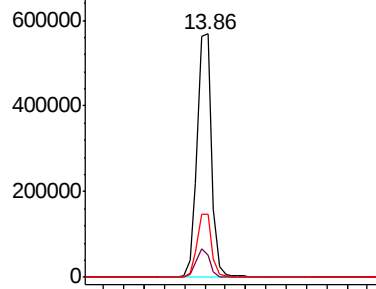
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.9	13.3
236	26.2	20.7	31.1

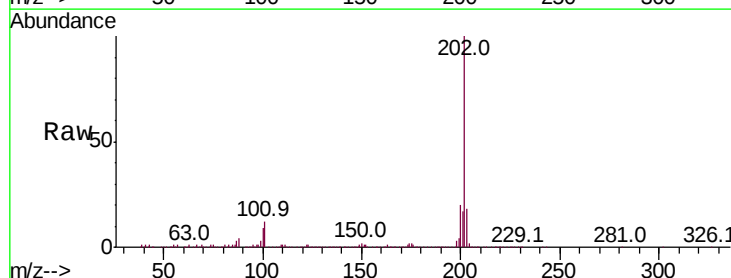


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

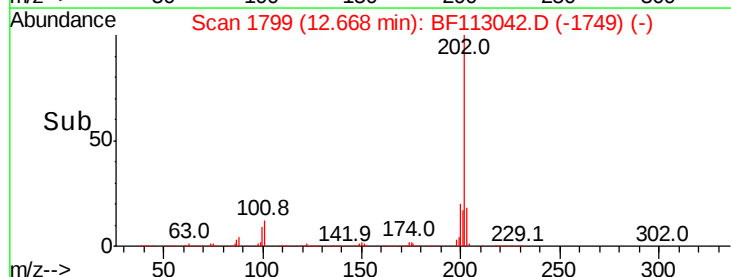
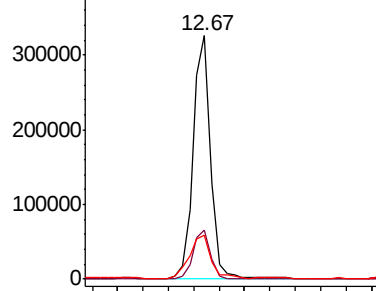


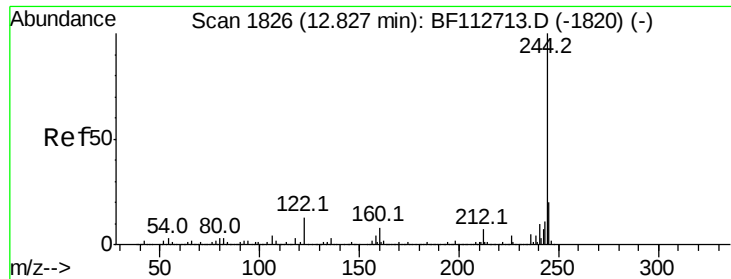
#78
 Pyrene
 Concen: 6.499 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.4
203	18.0	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: 26.569 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

ClientSampled :

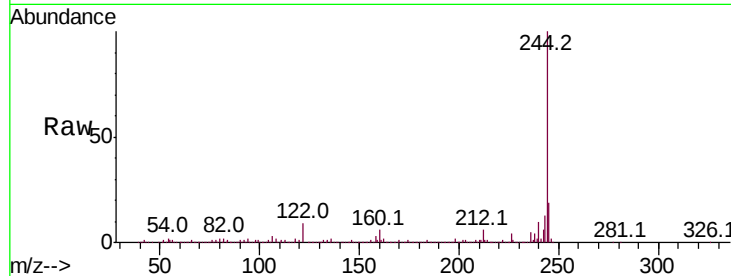
Tot Ion:244 Resp: 776497

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

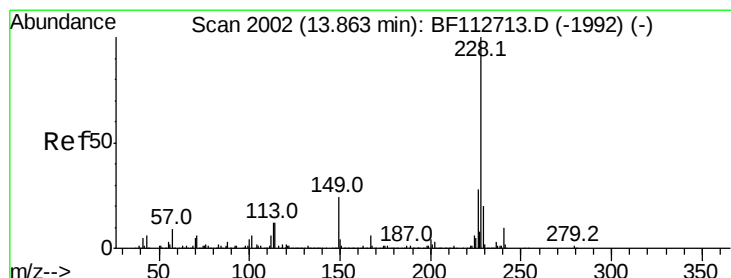
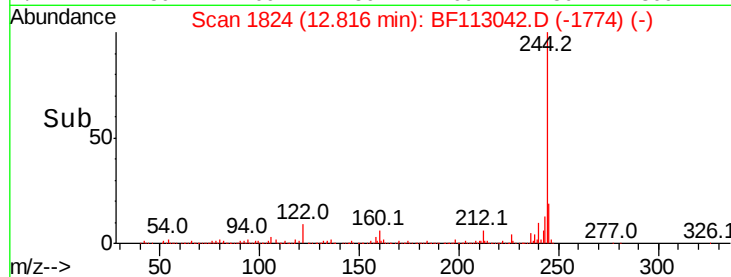
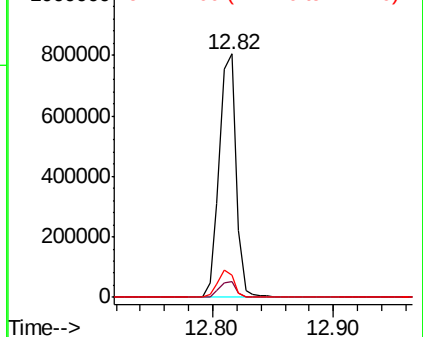
122 9.3 10.5 15.7#



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: 3.927 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

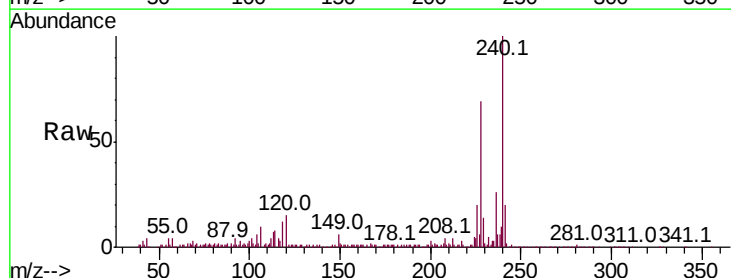
Tgt Ion:228 Resp: 154190

Ion Ratio Lower Upper

228 100

226 28.7 22.2 33.4

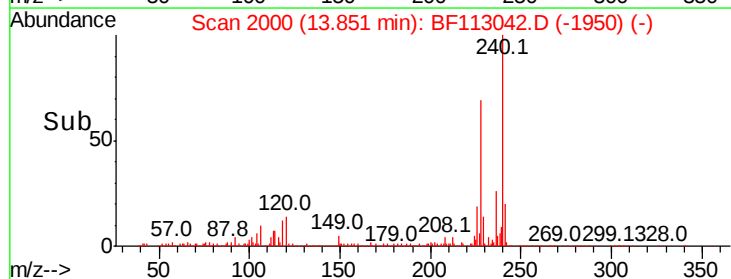
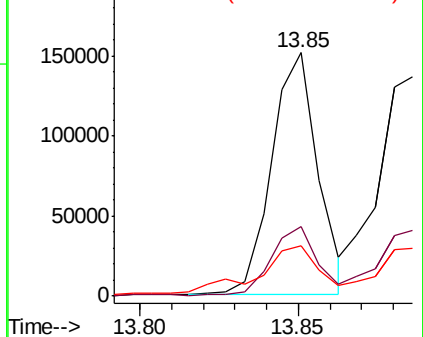
229 20.7 16.0 24.0

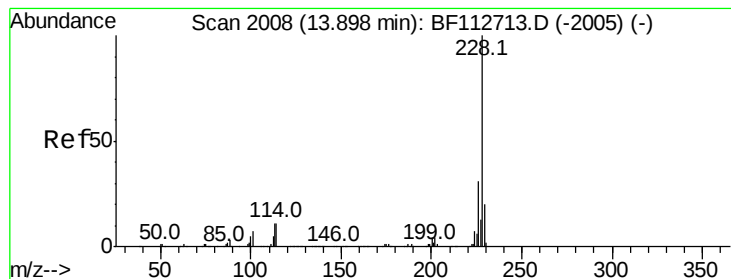


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.832 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

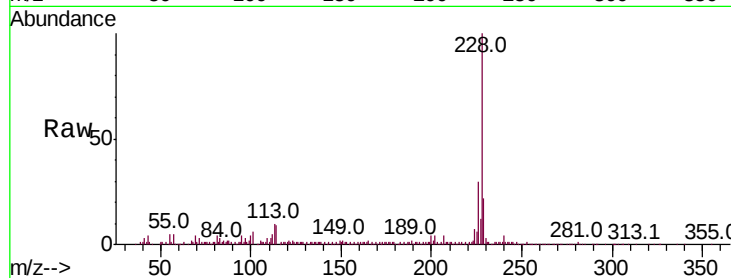
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 147376

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	21.5	16.3	24.5

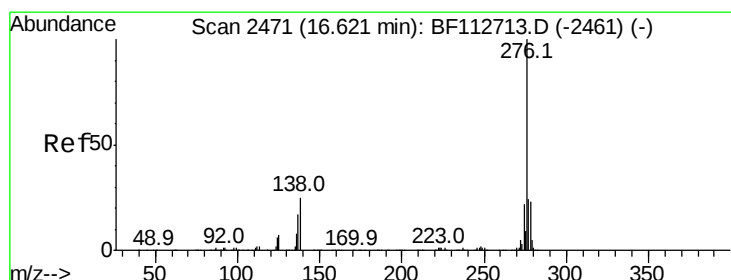
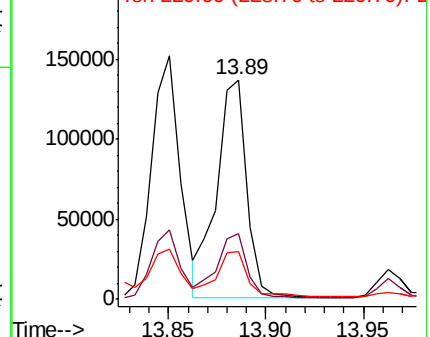
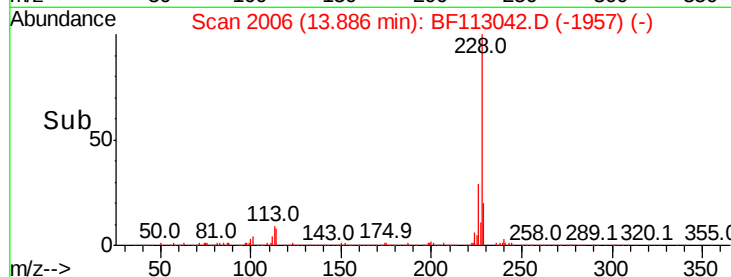


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.071 ng

RT: 16.62 min Scan# 2470

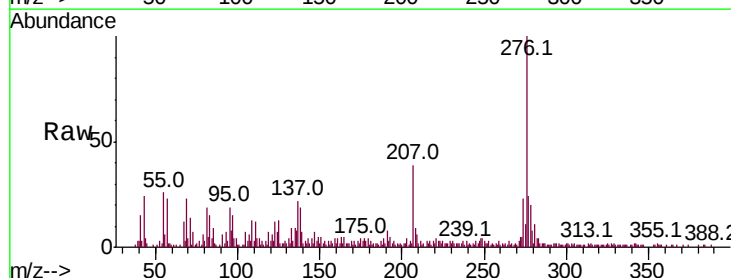
Delta R.T. -0.02 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Tgt Ion:276 Resp: 67923

Ion	Ratio	Lower	Upper
276	100		
138	23.3	23.2	34.8
277	24.9	19.9	29.9

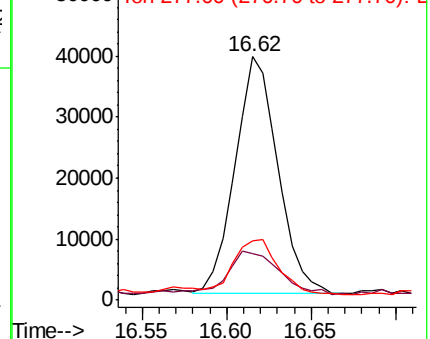
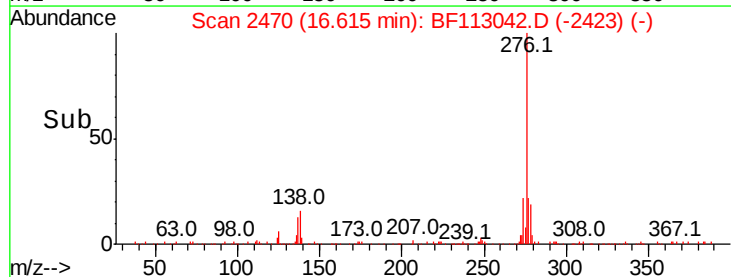


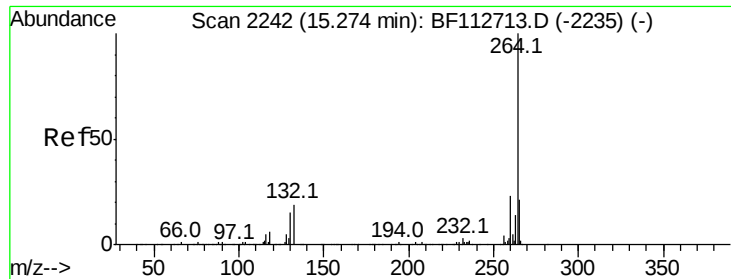
Abundance

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



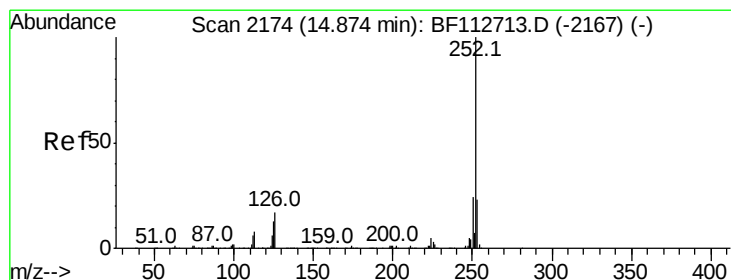
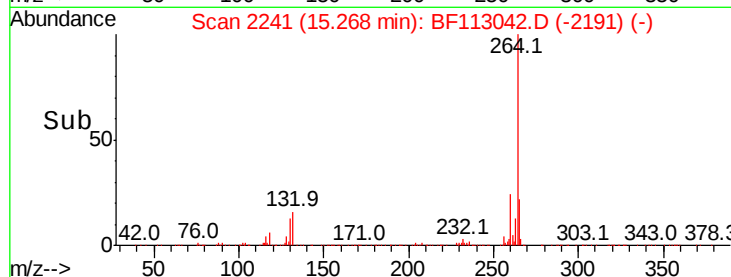
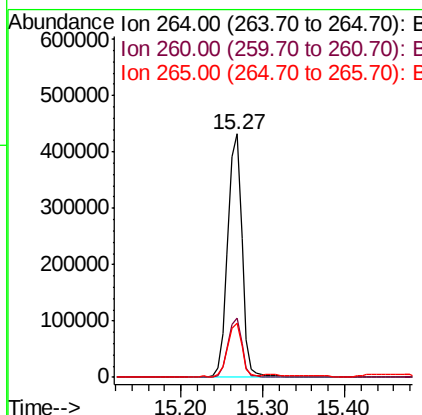
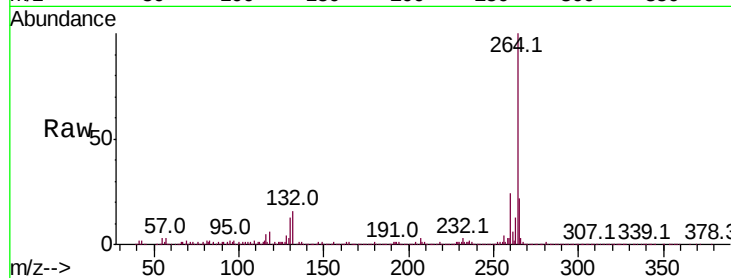


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 526134

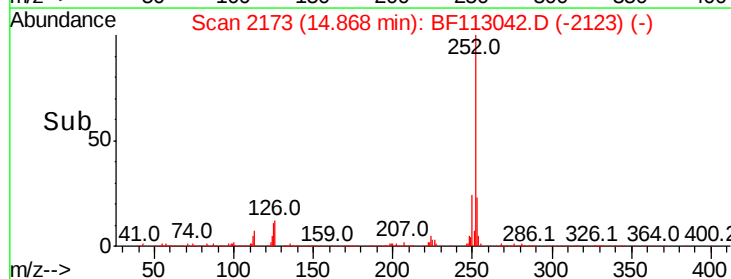
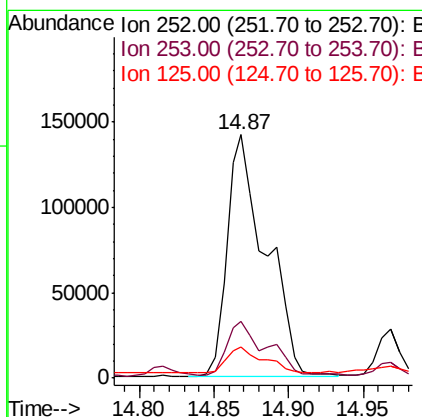
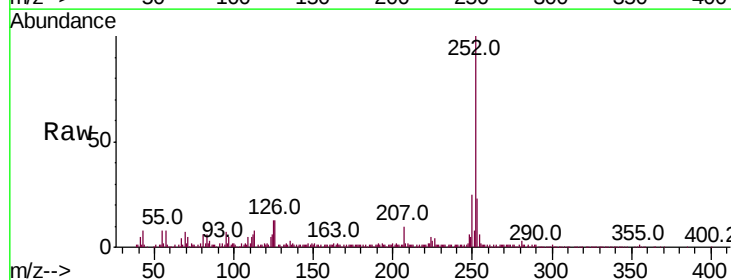
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.1	17.2	25.8

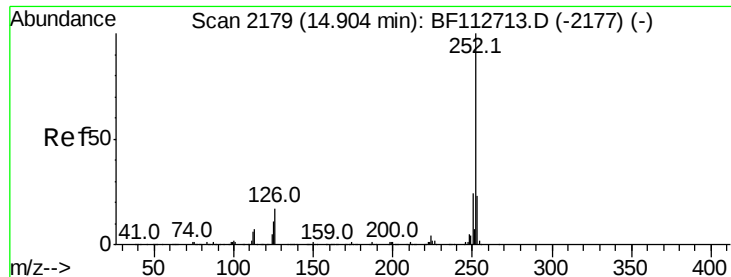


#88
Benzo(b)fluoranthene
Concen: 7.487 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113042.D
Acq: 13 Mar 2019 22:13

Tgt Ion:252 Resp: 254807

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.0	10.2	15.2





#89

Benzo(k)fluoranthene

Concen: 8.266 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

ClientSampleId :

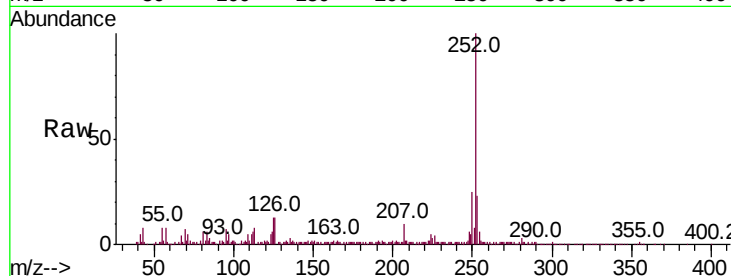
Tot Ion:252 Resp: 254807

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

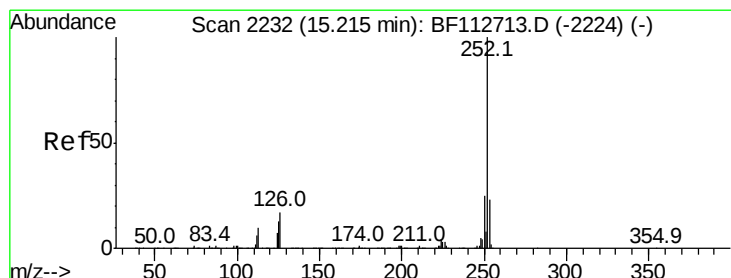
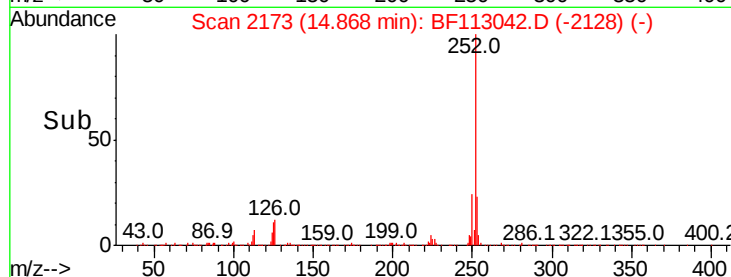
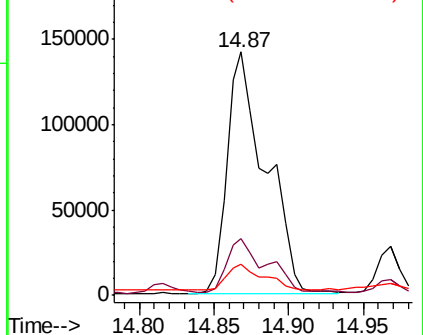
125 13.0 9.8 14.6



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: 4.656 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF113042.D

Acq: 13 Mar 2019 22:13

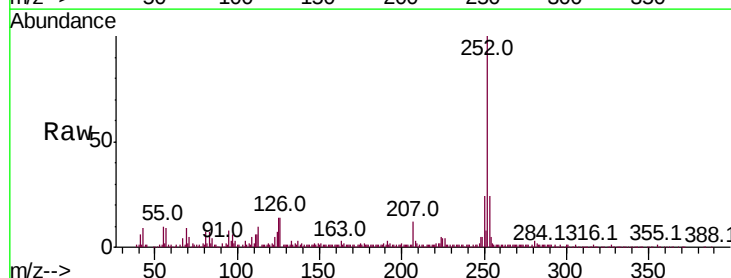
Tgt Ion:252 Resp: 140153

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

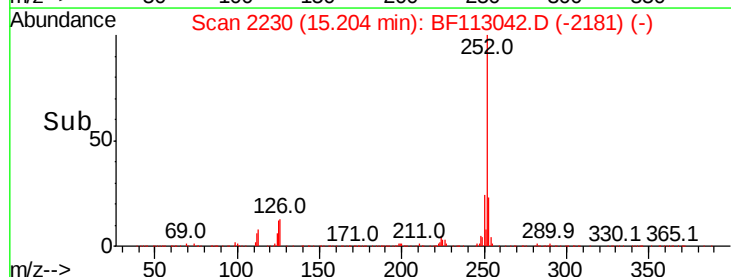
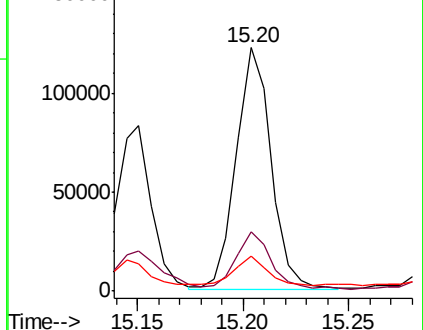
125 14.2 10.7 16.1

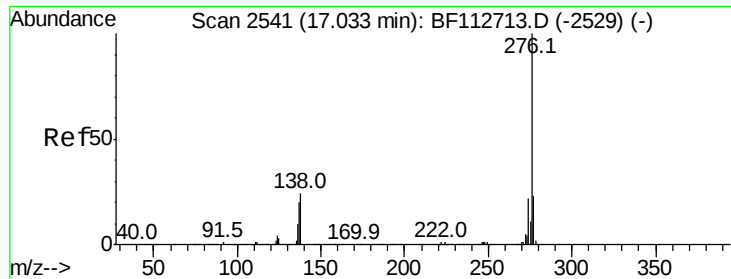


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.673 ng
 RT: 17.03 min Scan# 2540
 Delta R.T. -0.02 min
 Lab File: BF113042.D
 Acq: 13 Mar 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	27.8
138	23.7	19.4	29.0

