

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031919\
 Data File : BF113127.D
 Acq On : 19 Mar 2019 16:01
 Operator : JU/SJ
 Sample : K1970-05 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 16:46:40 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	6.72	152	163571	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	554545	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	283448	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	582055	20.00	ng	0.00
76) Chrysene-d12	13.86	240	402508	20.00	ng	0.00
87) Perylene-d12	15.27	264	423943	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	70036	6.66	ng	-0.02
7) Phenol-d6	6.36	99	108855	8.24	ng	-0.02
23) Nitrobenzene-d5	7.28	82	81923	8.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	25230	8.38	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	126117	4.55	ng	-0.01
79) Terphenyl-d14	12.82	244	135460	6.52	ng	0.00

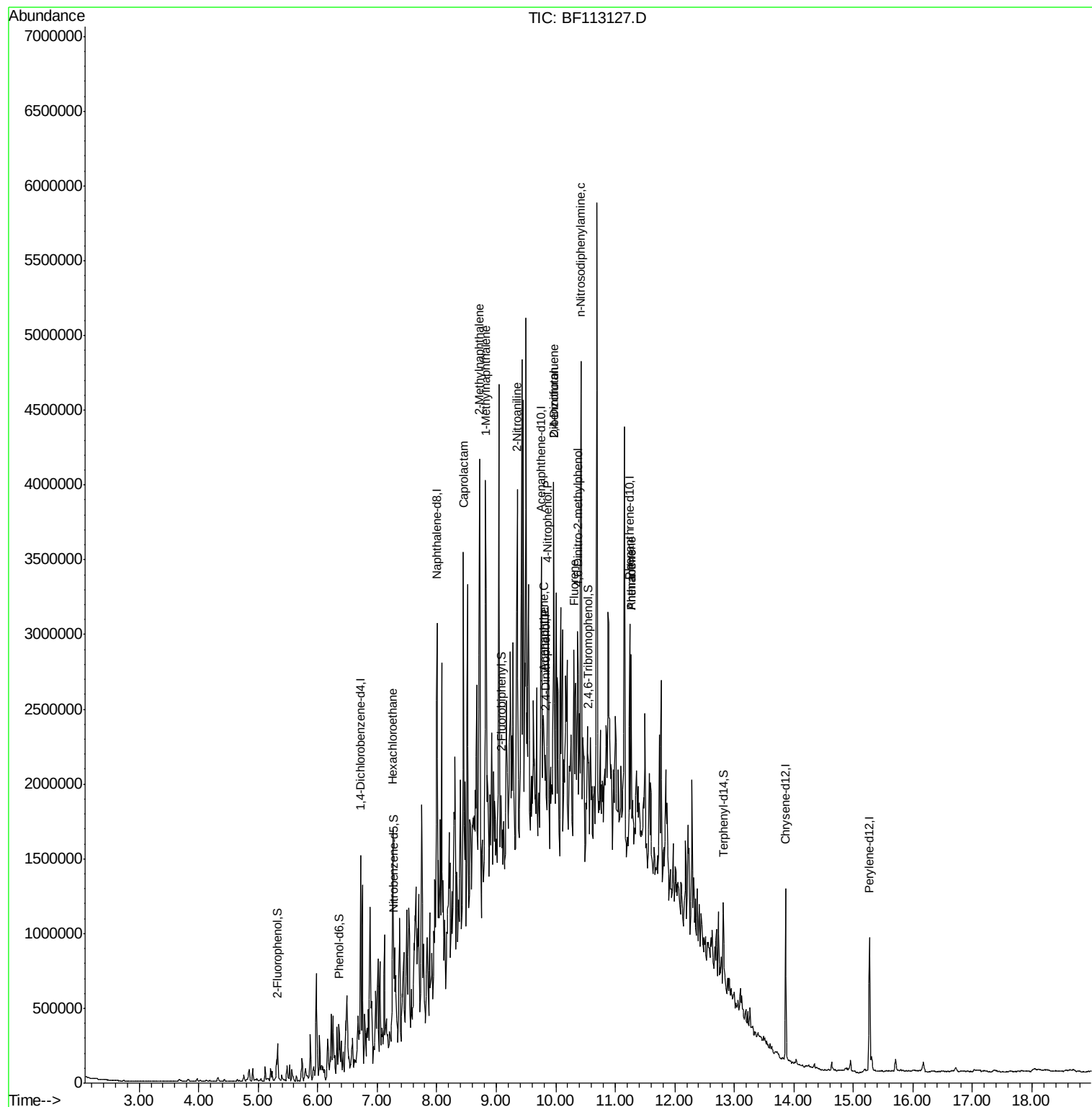
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.26	117	70894	15.262	ng	# 1
35) Caprolactam	8.45	113	60611	22.215	ng	# 51
37) 2-Methylnaphthalene	8.72	142	993728	55.891	ng	99
38) 1-Methylnaphthalene	8.82	142	654437	37.998	ng	99
48) 2-Nitroaniline	9.35	65	14137	2.576	ng	# 34
52) Acenaphthene	9.79	154	52584	2.934	ng	# 74
54) 2,4-Dinitrophenol	9.83	184	749	6.840	ng	# 1
55) Dibenzofuran	9.96	168	58689	2.253	ng	# 1
56) 4-Nitrophenol	9.87	139	41117	9.540	ng	# 58
57) 2,4-Dinitrotoluene	9.97	165	25618	4.735	ng	# 58
58) Fluorene	10.30	166	146164	7.906	ng	# 85
65) 4,6-Dinitro-2-methylphenol	10.37	198	1344	5.121	ng	# 1
66) n-Nitrosodiphenylamine	10.42	169	160788	8.613	ng	# 51
71) Phenanthrene	11.26	178	403834	13.945	ng	97
72) Anthracene	11.26	178	403834	13.322	ng	97

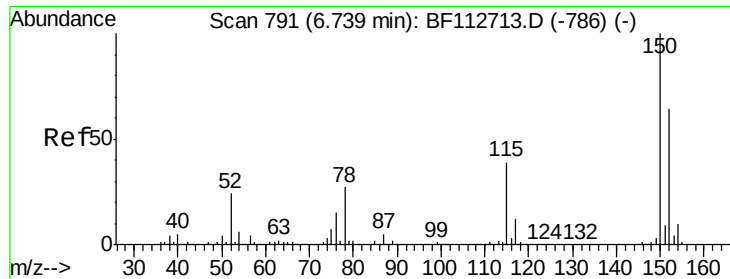
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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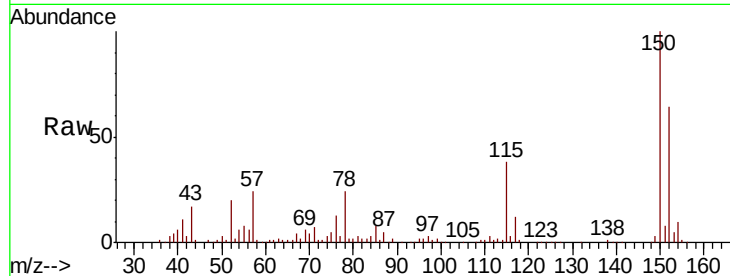


#1

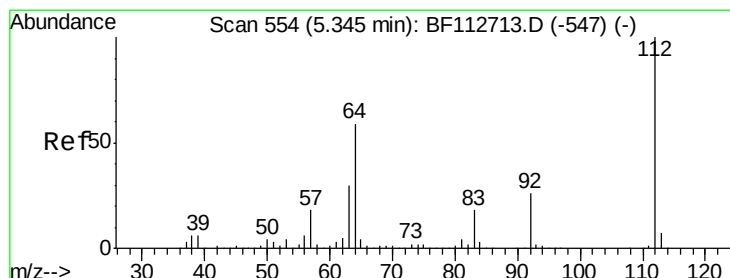
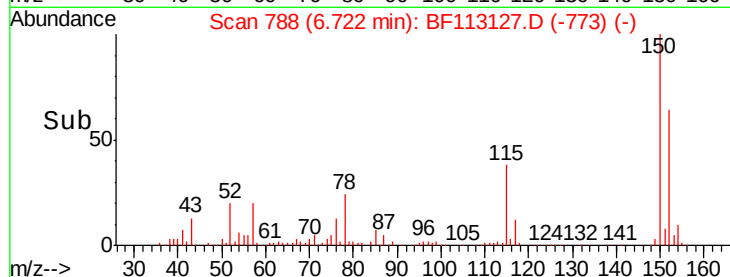
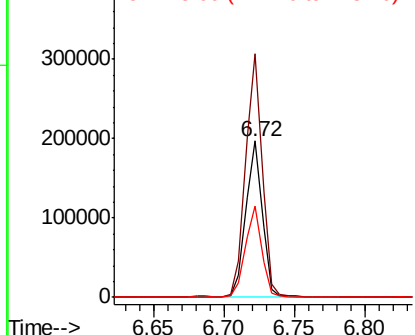
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163571
Ion Ratio Lower Upper
152 100
150 155.7 124.2 186.2
115 58.7 48.2 72.4



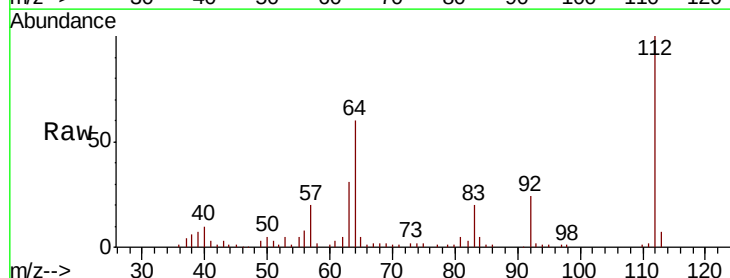
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



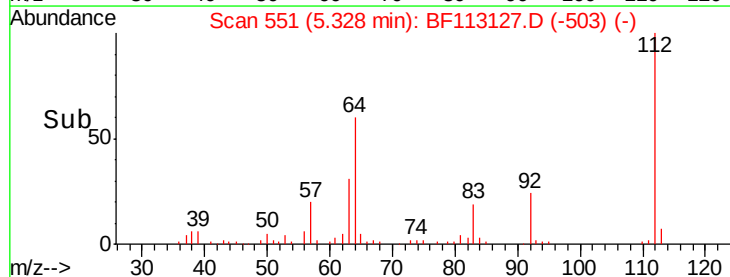
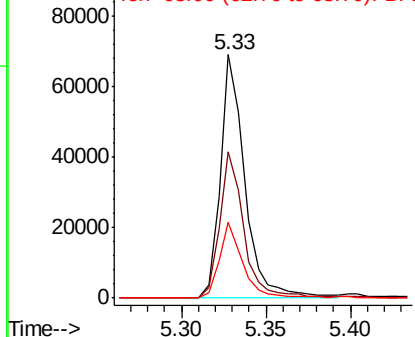
#5

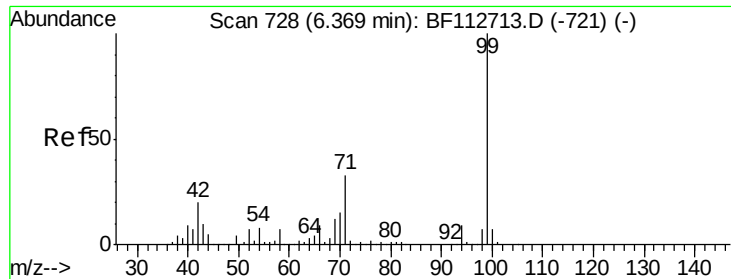
2-Fluorophenol
Concen: 6.660 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Tgt Ion:112 Resp: 70036
Ion Ratio Lower Upper
112 100
64 60.3 47.6 71.4
63 31.0 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: 8.241 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampled :

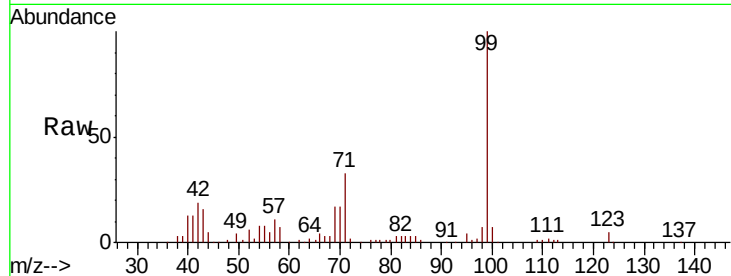
Tot Ion: 99 Resp: 108855

Ion Ratio Lower Upper

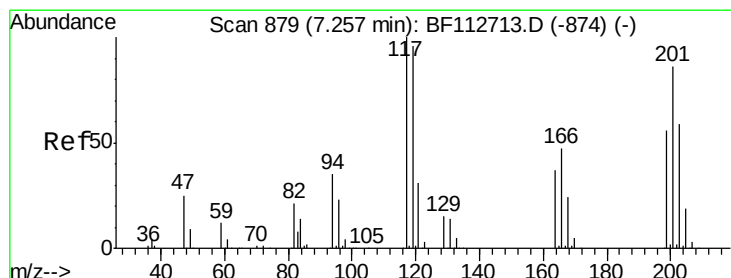
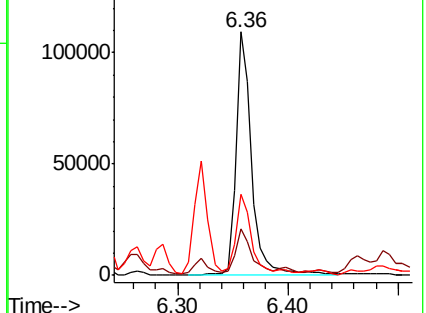
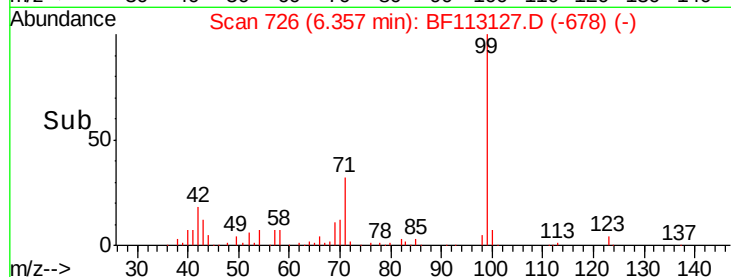
99 100

42 19.1 16.3 24.5

71 33.1 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



#18

Hexachloroethane

Concen: 15.262 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

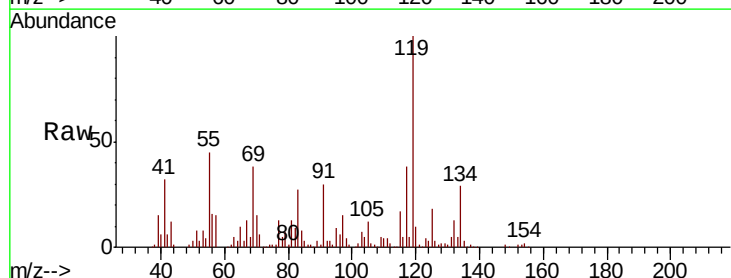
Tgt Ion: 117 Resp: 70894

Ion Ratio Lower Upper

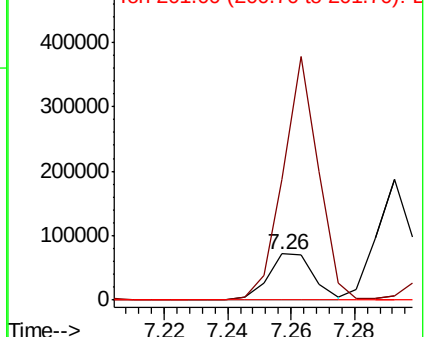
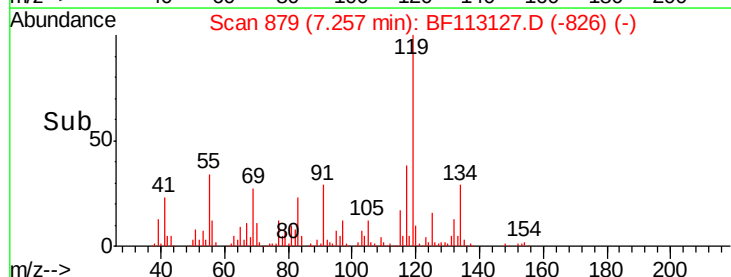
117 100

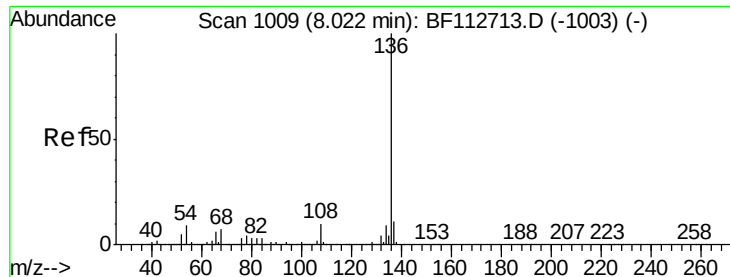
119 261.7 76.6 115.0#

201 0.0 68.9 103.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

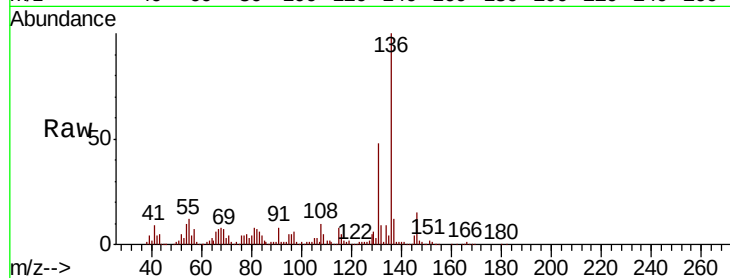




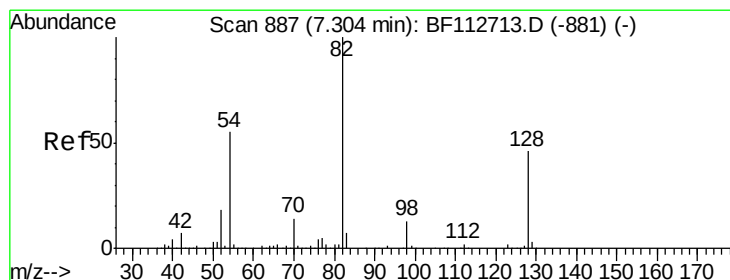
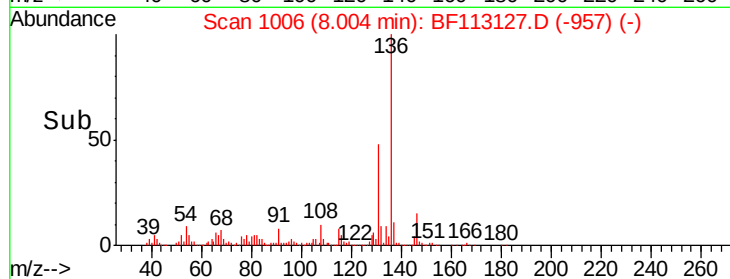
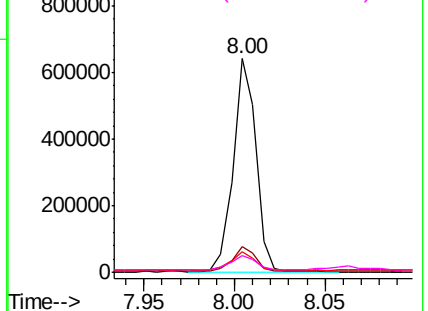
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	554545
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.9 13.3
54	9.5	7.3 10.9
68	7.9	5.4 8.2

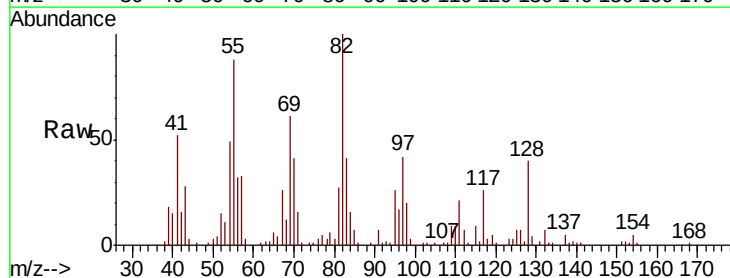


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

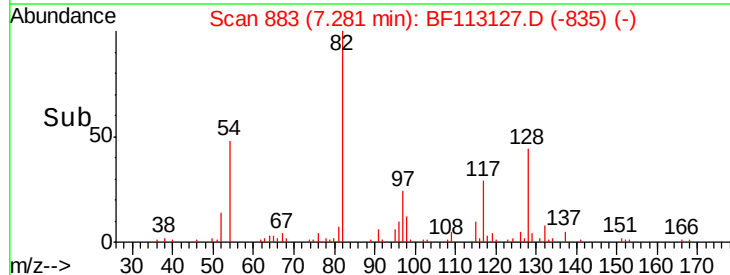
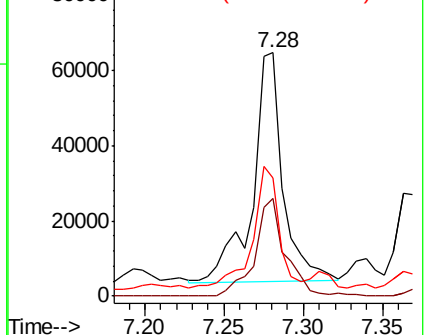


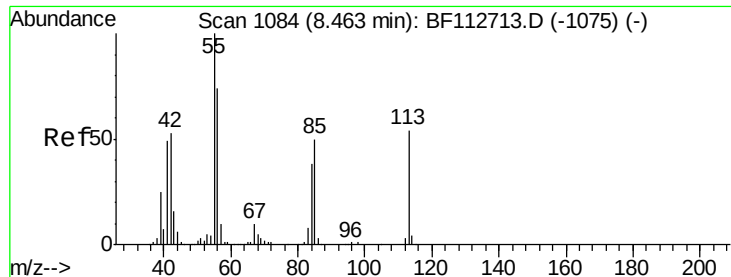
#23
Nitrobenzene-d5
Concen: 8.840 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Tgt Ion: 82	Resp:	81923
Ion Ratio	Lower	Upper
82	100	
128	40.1	36.3 54.5
54	48.7	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

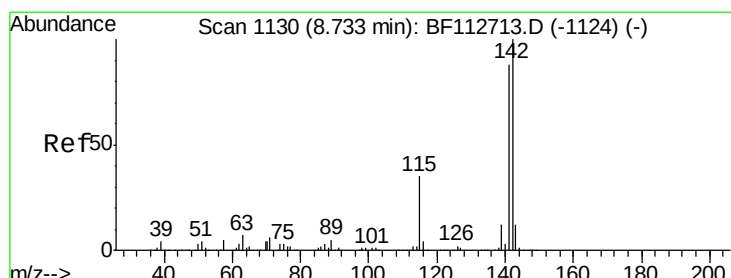
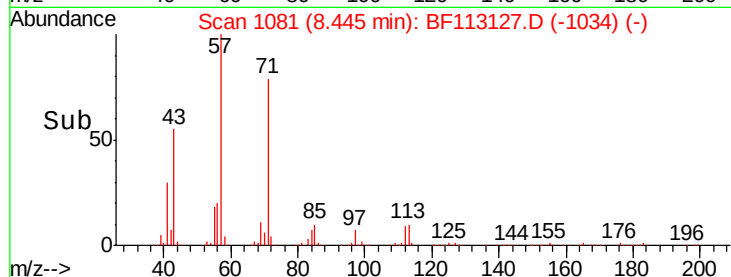
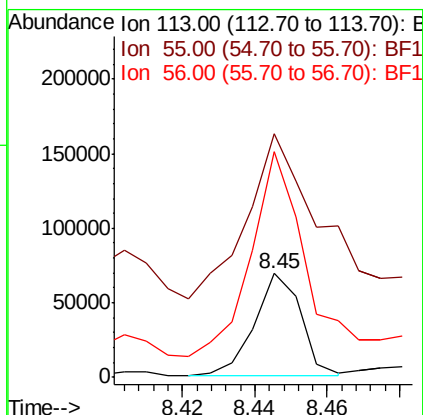
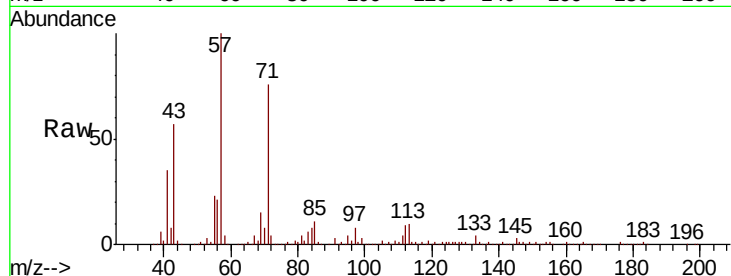




#35
Caprolactam
Concen: 22.215 ng
RT: 8.45 min Scan# 1081
Delta R.T. -0.02 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

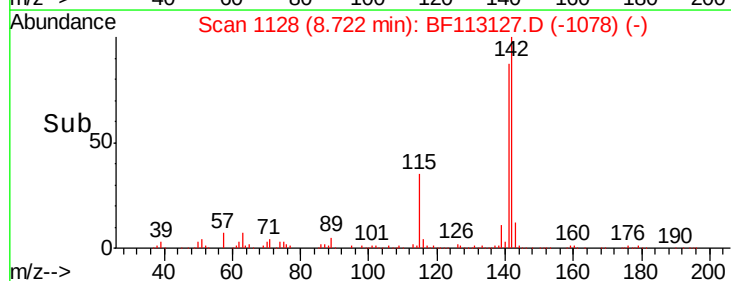
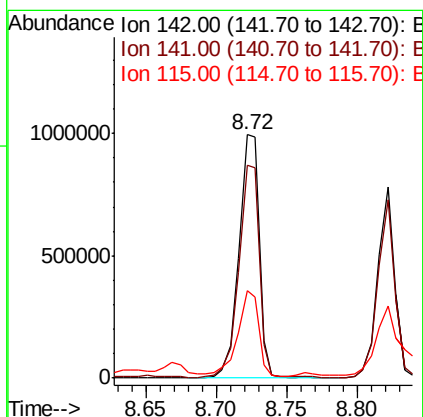
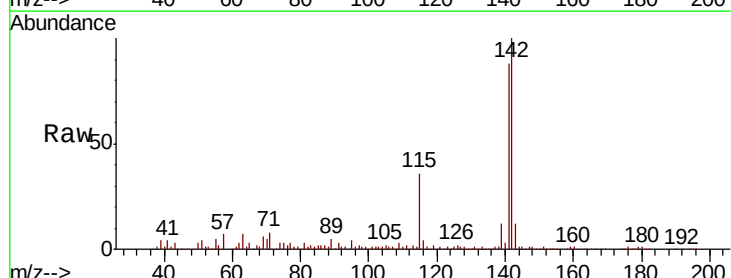
Instrument :
BNA_F
ClientSampled :

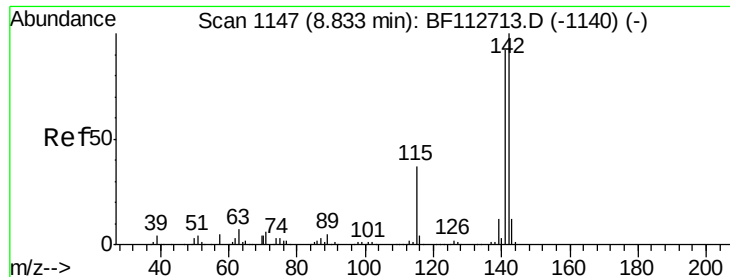
Tot Ion:113 Resp: 60611
Ion Ratio Lower Upper
113 100
55 234.1 163.5 203.5#
56 216.9 115.3 155.3#



#37
2-Methylnaphthalene
Concen: 55.891 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Tgt Ion:142 Resp: 993728
Ion Ratio Lower Upper
142 100
141 87.6 70.3 105.5
115 35.8 27.8 41.6

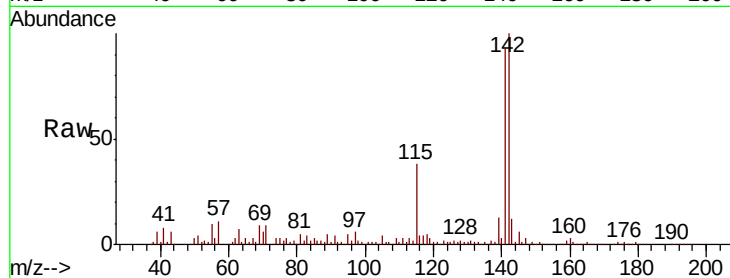




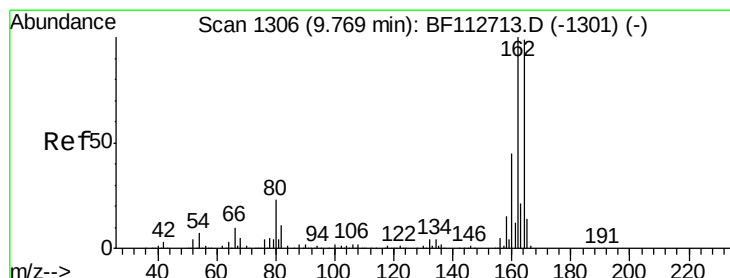
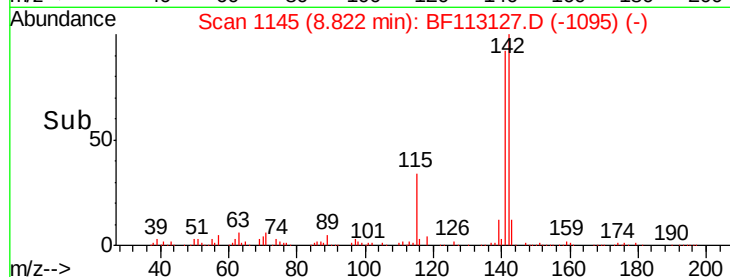
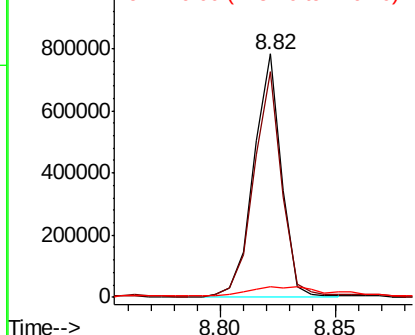
#38
1-Methylnaphthalene
Concen: 37.998 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 654437
Ion Ratio Lower Upper
142 100
141 92.8 73.7 110.5
116 4.4 3.1 4.7

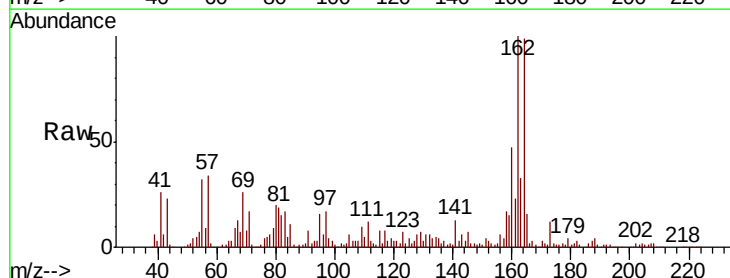


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

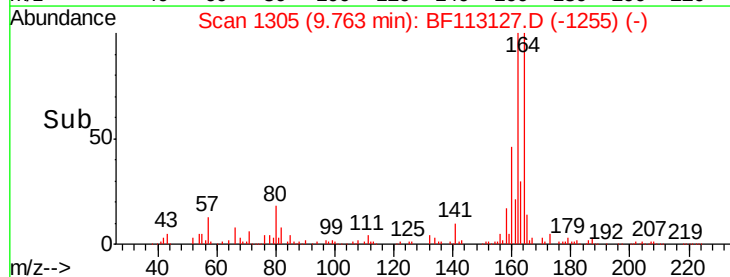
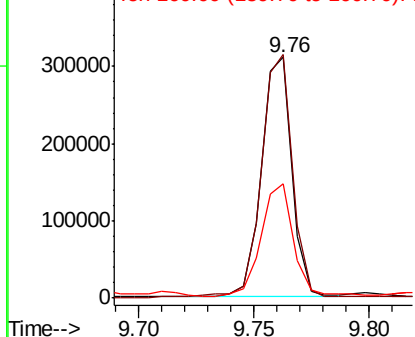


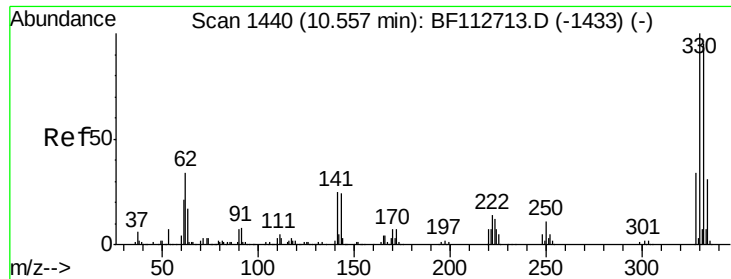
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Tgt Ion:164 Resp: 283448
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 47.3 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: 8.384 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

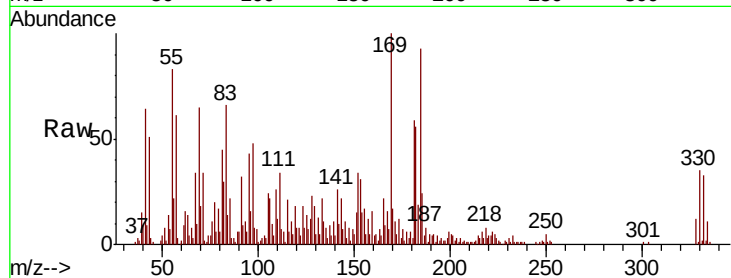
Tot Ion:330 Resp: 25230

Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.4

141 88.9 27.0 40.6#

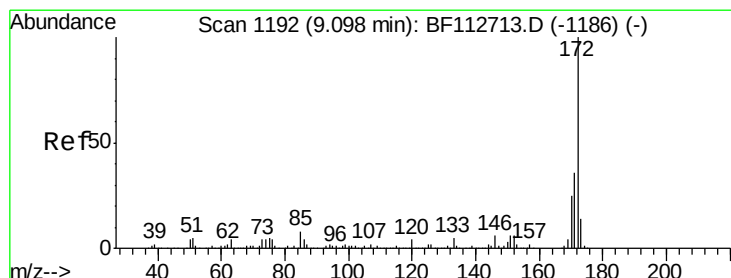
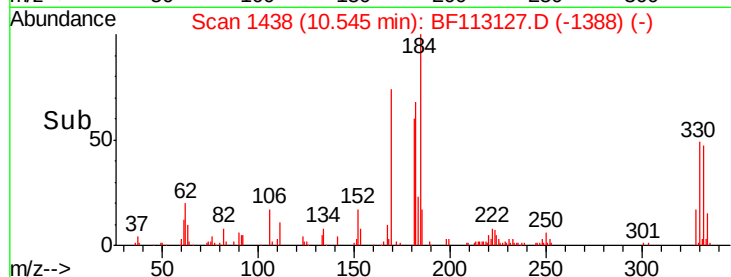
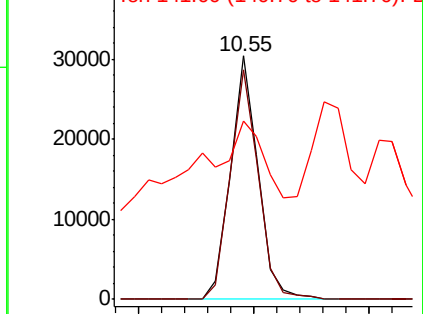


Abundance

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: 4.553 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

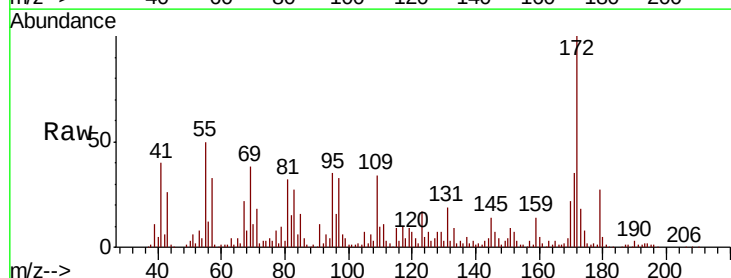
Tgt Ion:172 Resp: 126117

Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.4

170 22.2 20.0 30.0

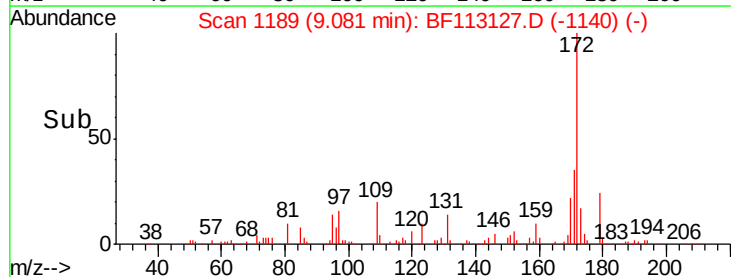
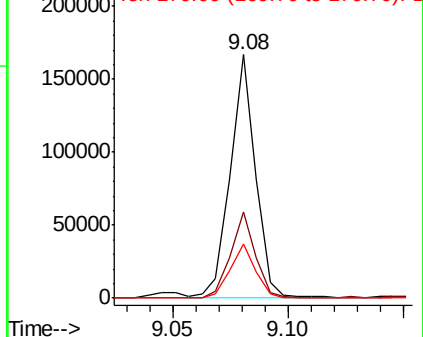


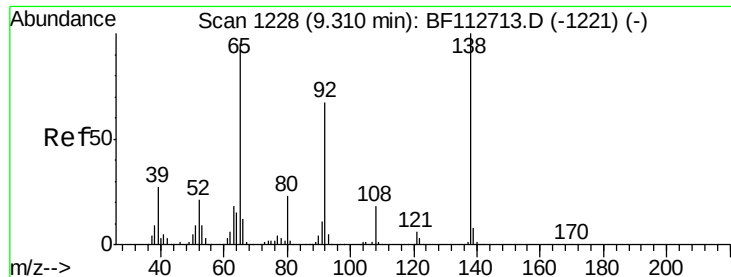
Abundance

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

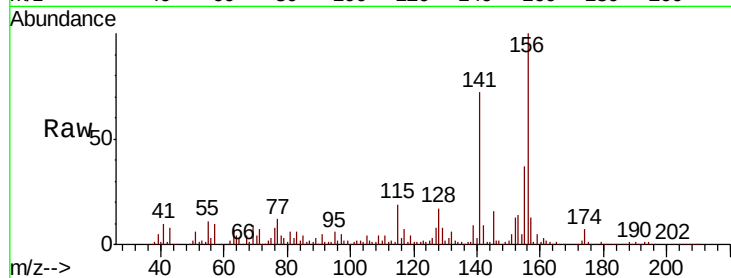




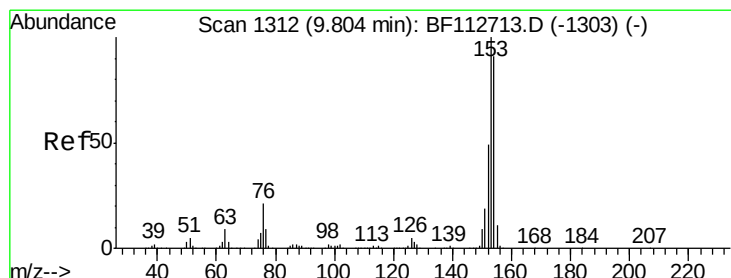
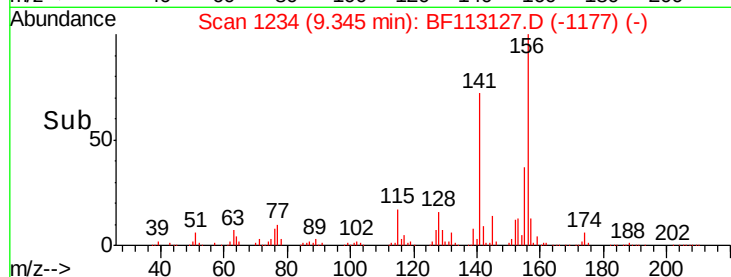
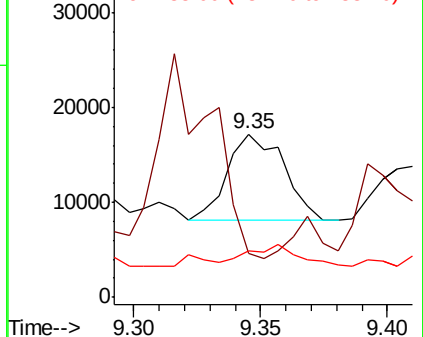
#48
2-Nitroaniline
Concen: 2.576 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.04 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 14137
Ion Ratio Lower Upper
65 100
92 26.9 56.4 84.6#
138 28.4 84.6 126.8#

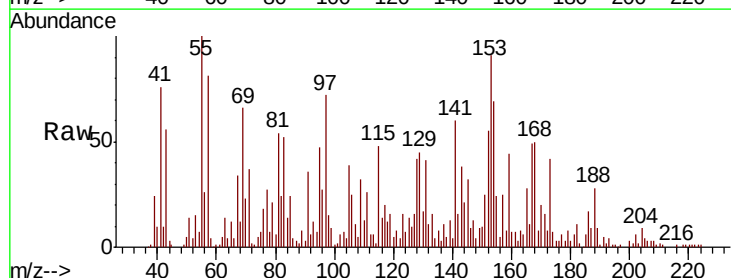


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

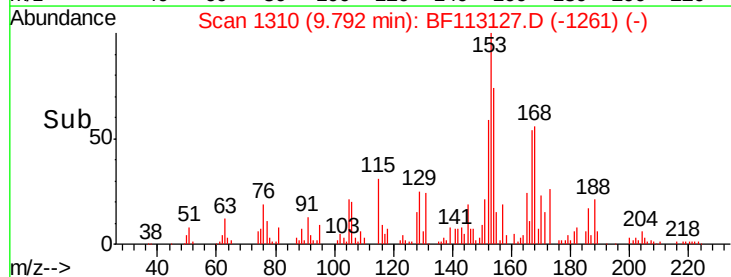
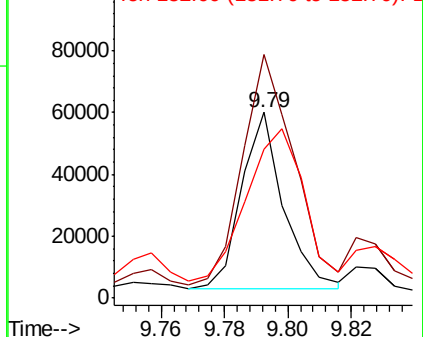


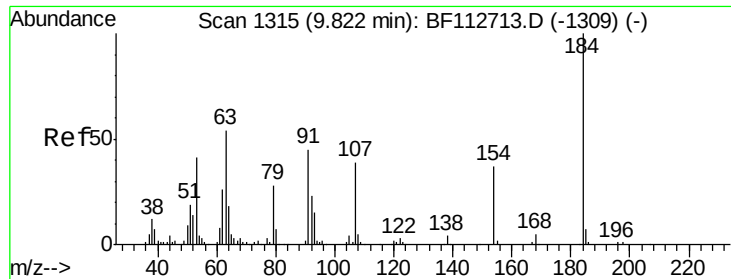
#52
Acenaphthene
Concen: 2.934 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Tgt Ion: 154 Resp: 52584
Ion Ratio Lower Upper
154 100
153 131.1 87.8 131.8
152 80.0 43.0 64.6#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 6.840 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

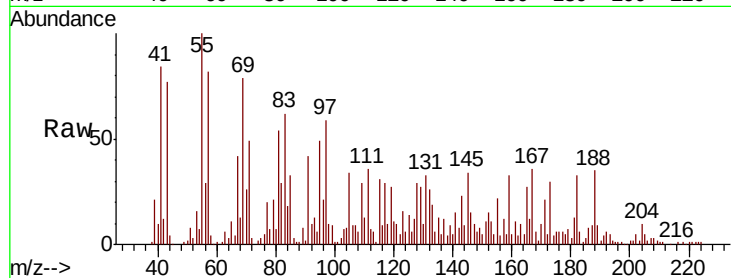
Tot Ion:184 Resp: 749

Ion Ratio Lower Upper

184 100

63 935.1 45.3 67.9#

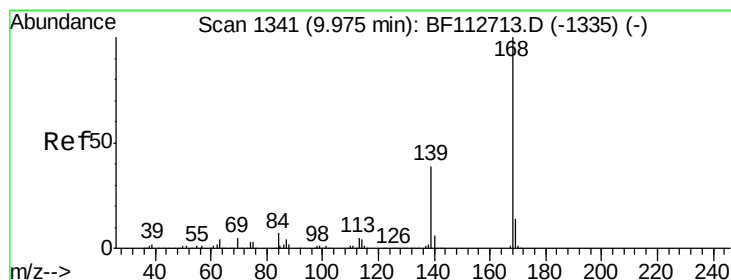
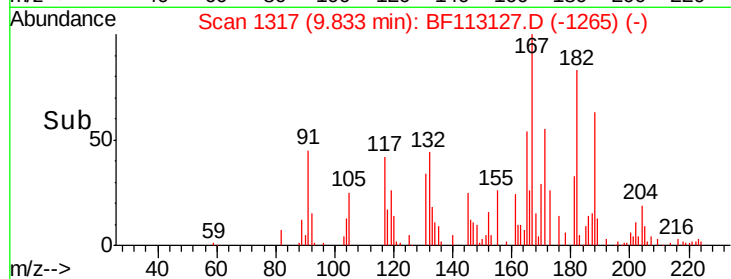
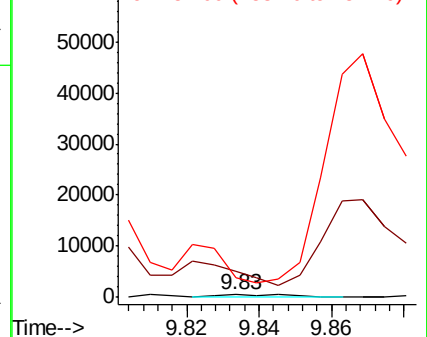
154 699.3 46.0 69.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 2.253 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

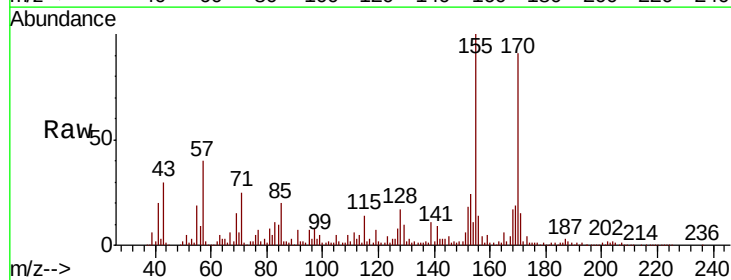
Tgt Ion:168 Resp: 58689

Ion Ratio Lower Upper

168 100

139 68.0 31.3 46.9#

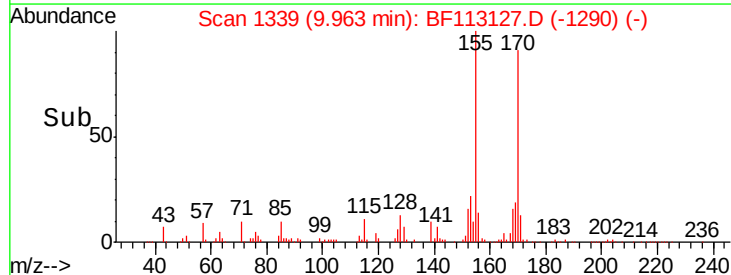
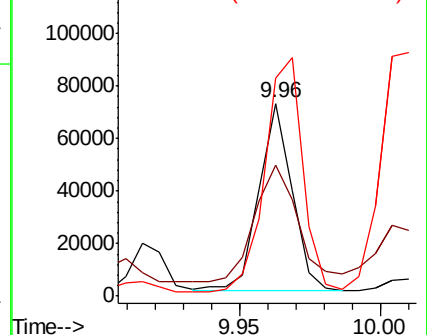
169 113.0 11.3 16.9#

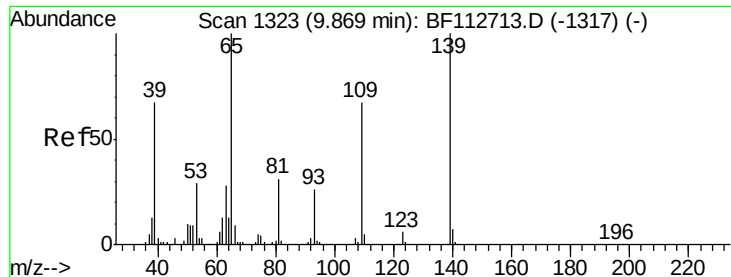


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

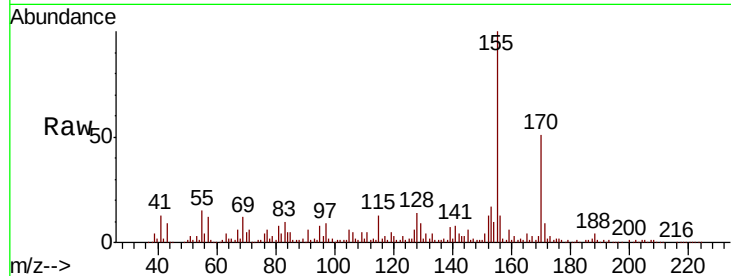




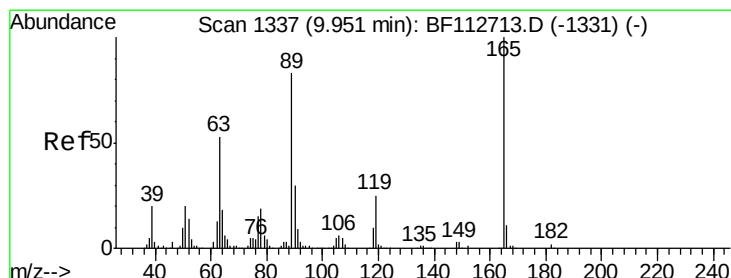
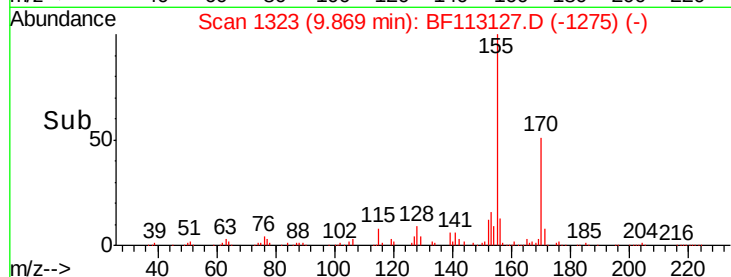
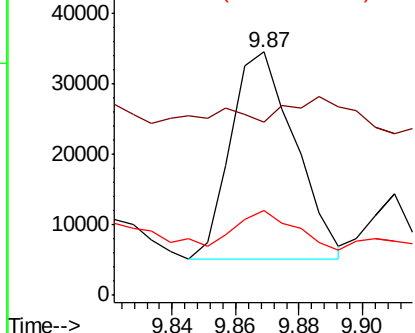
#56
4-Nitrophenol
Concen: 9.540 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 41117
Ion Ratio Lower Upper
139 100
109 71.3 46.8 86.8
65 34.9 80.7 120.7#

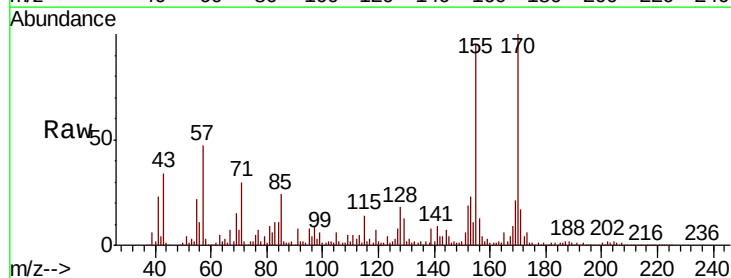


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

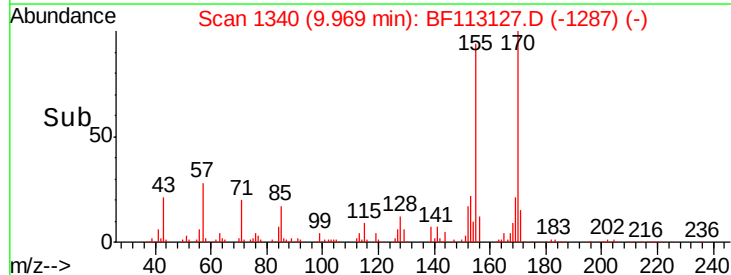
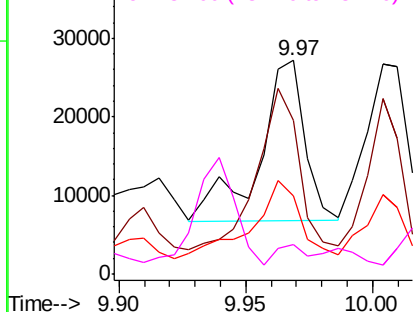


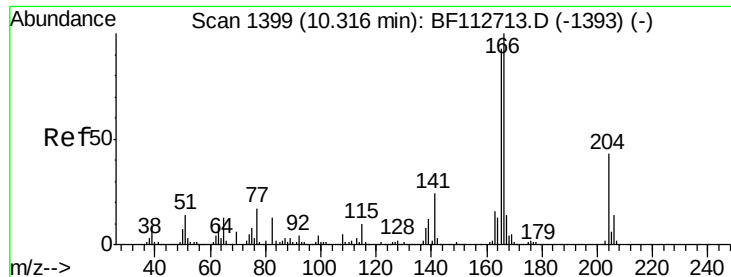
#57
2,4-Dinitrotoluene
Concen: 4.735 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF113127.D
Acq: 19 Mar 2019 16:01

Tgt Ion:165 Resp: 25618
Ion Ratio Lower Upper
165 100
63 71.8 42.2 63.2#
89 36.8 66.2 99.4#
182 14.0 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

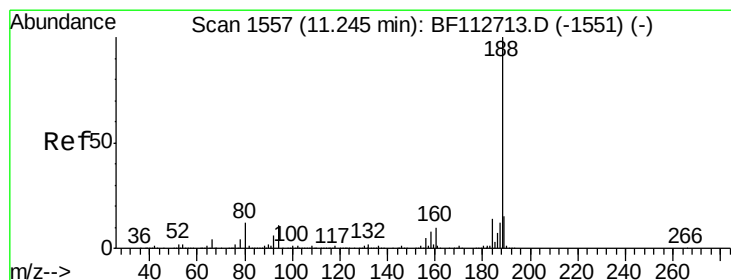
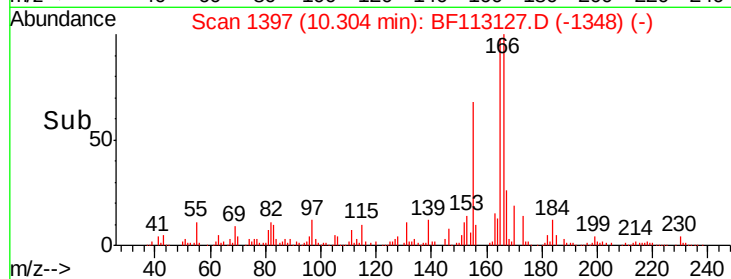
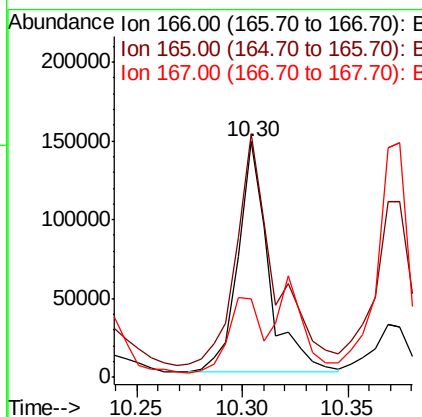
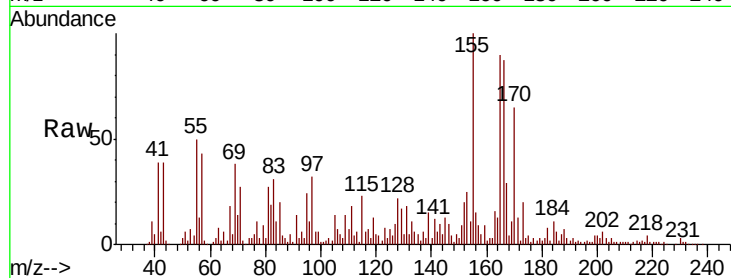




#58
 Fluorene
 Concen: 7.906 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF113127.D
 Acq: 19 Mar 2019 16:01

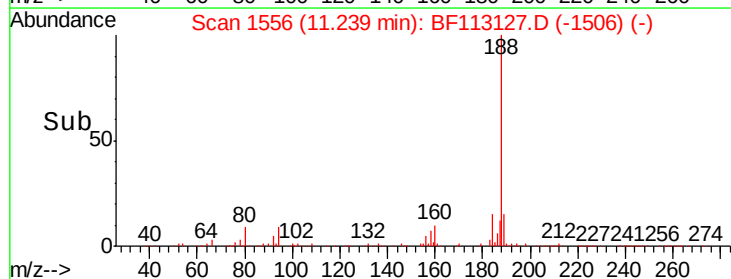
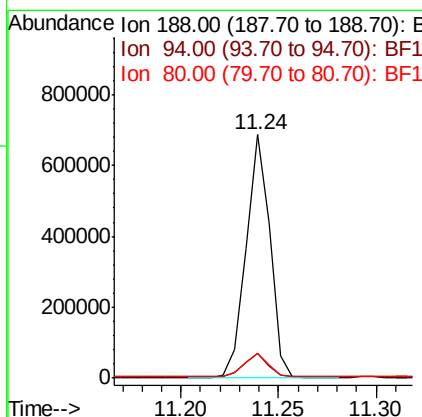
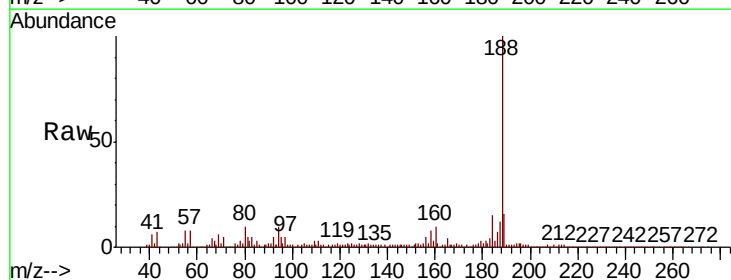
Instrument :
 BNA_F
 ClientSampleId :

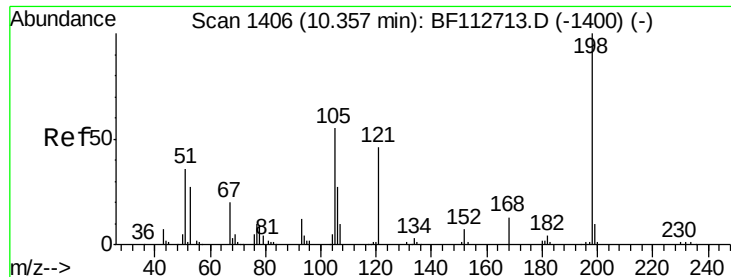
Tot Ion:166 Resp: 146164
 Ion Ratio Lower Upper
 166 100
 165 103.3 74.7 112.1
 167 33.1 11.0 16.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113127.D
 Acq: 19 Mar 2019 16:01

Tgt Ion:188 Resp: 582055
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.0 13.4
 80 10.1 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 5.121 ng

RT: 10.37 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BF113127.D

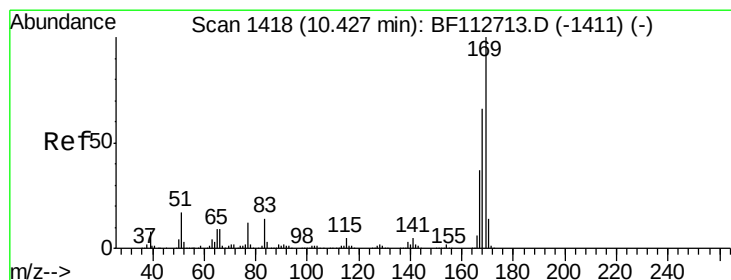
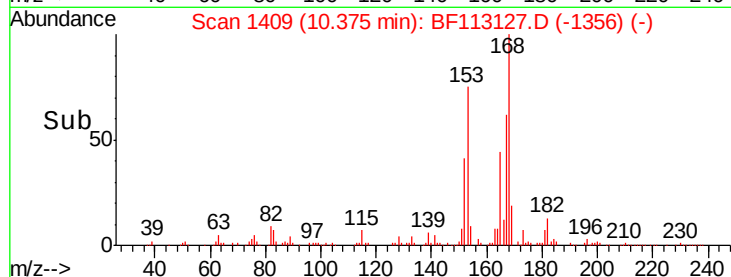
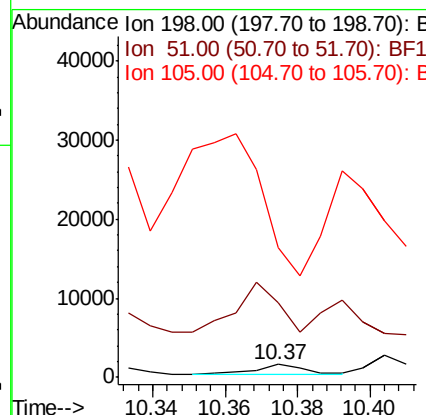
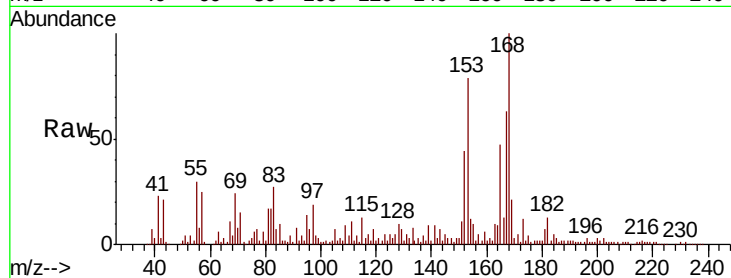
Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion	198	Resp	1344
Ion Ratio	100		
Lower		43.8	83.8#
Upper		36.5	76.5#



#66

n-Nitrosodiphenylamine

Concen: 8.613 ng

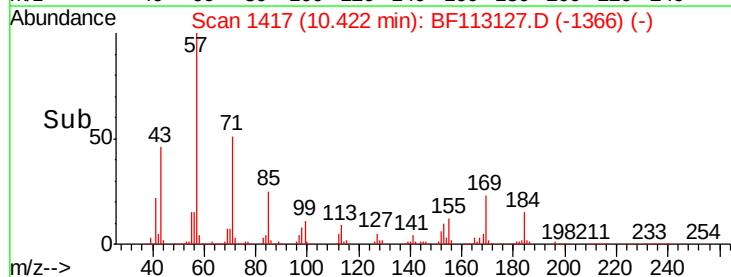
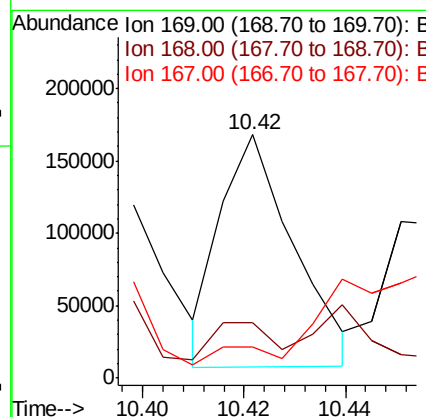
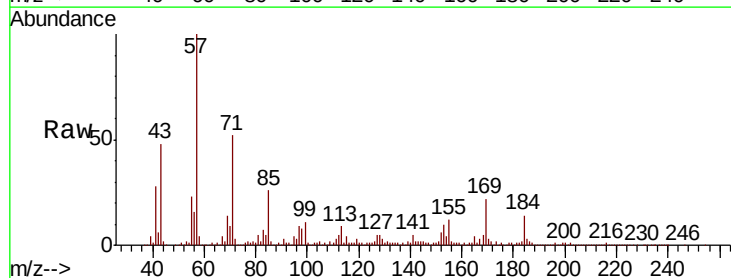
RT: 10.42 min Scan# 1417

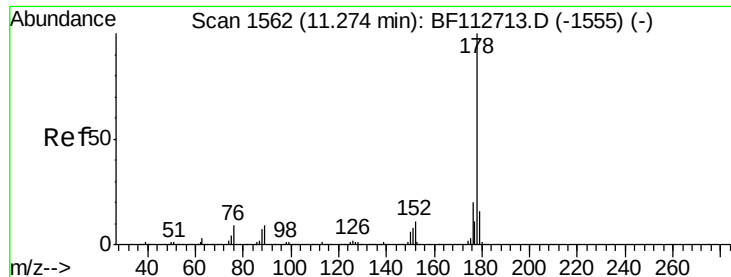
Delta R.T. -0.00 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Tgt Ion	169	Resp	160788
Ion Ratio	100		
Lower		53.0	79.6#
Upper		29.3	43.9#





#71

Phenanthrene

Concen: 13.945 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

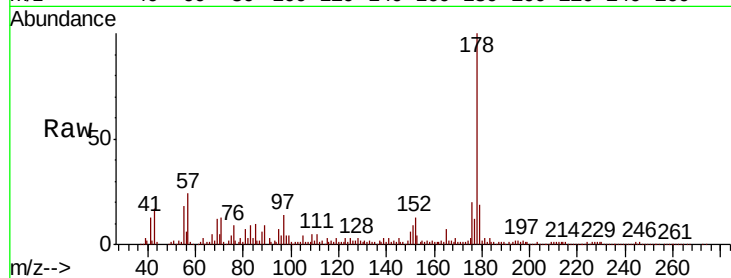
Tot Ion:178 Resp: 403834

Ion Ratio Lower Upper

178 100

176 20.2 16.3 24.5

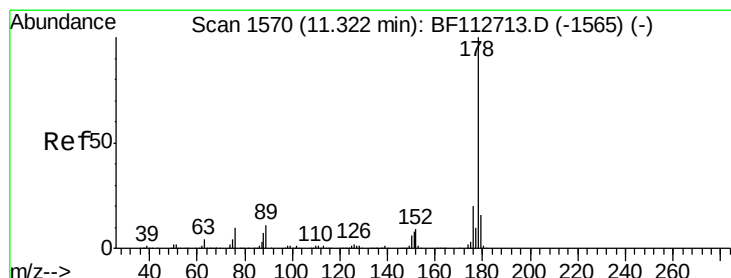
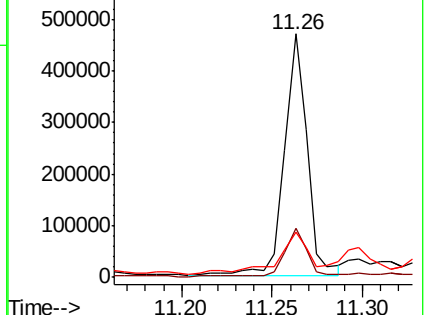
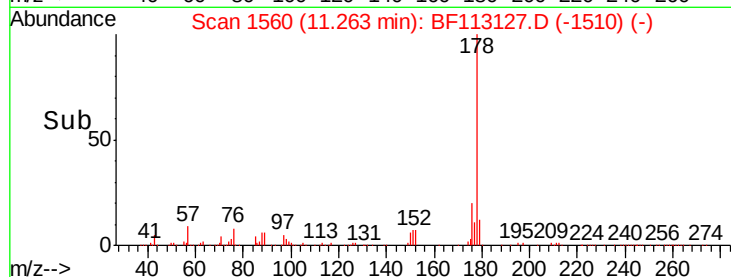
179 18.8 12.7 19.1



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



#72

Anthracene

Concen: 13.322 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.06 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

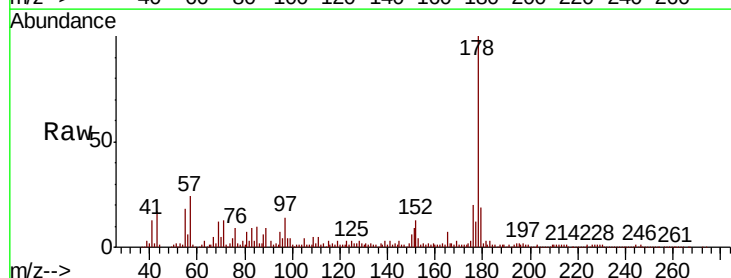
Tgt Ion:178 Resp: 403834

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.6

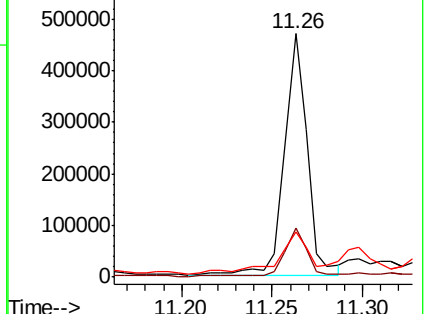
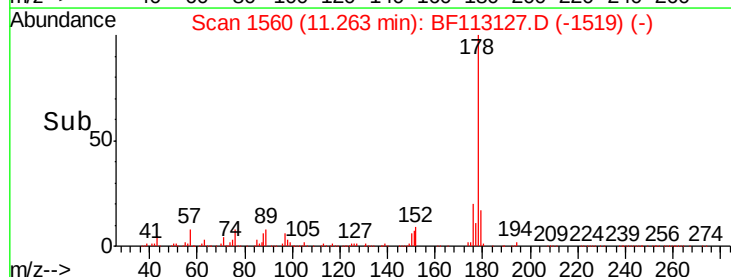
179 18.8 13.0 19.6

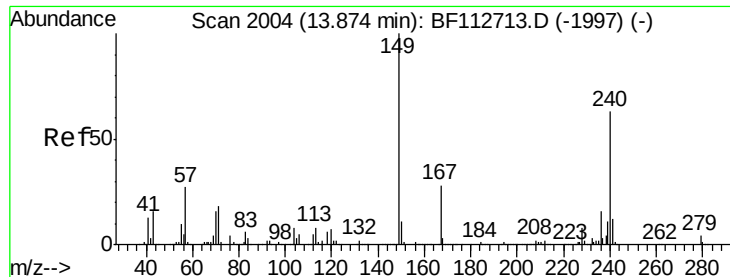


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampled :

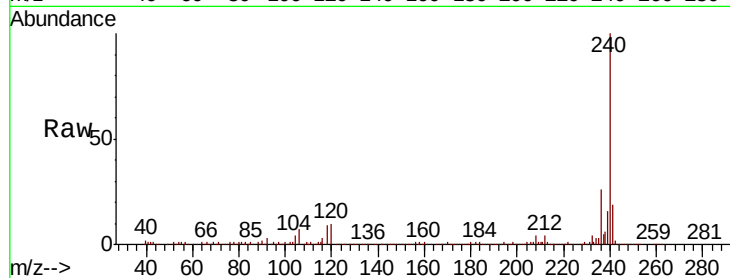
Tot Ion:240 Resp: 402508

Ion Ratio Lower Upper

240 100

120 10.1 8.9 13.3

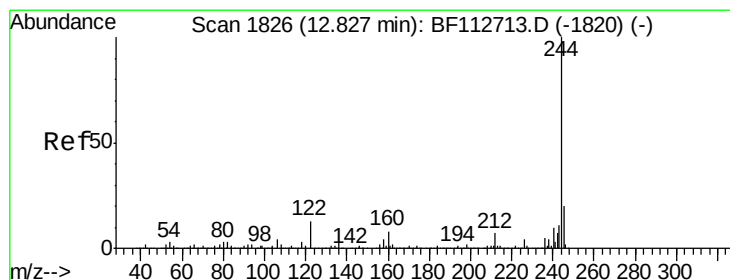
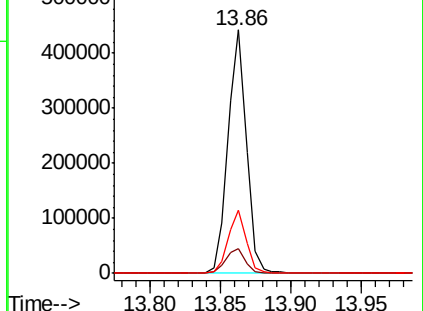
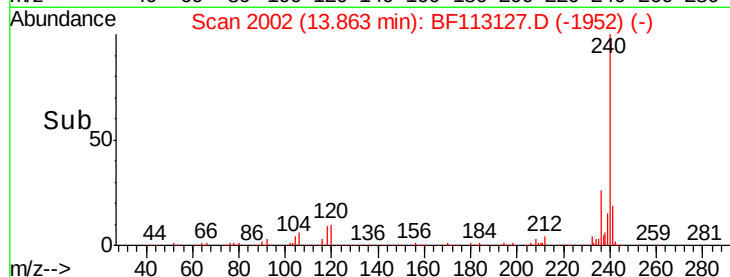
236 26.2 20.7 31.1



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



#79

Terphenyl-d14

Concen: 6.524 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

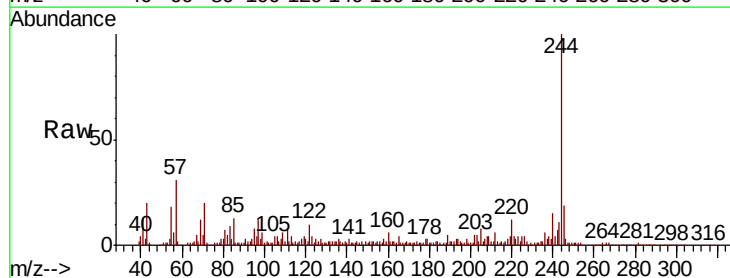
Tgt Ion:244 Resp: 135460

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

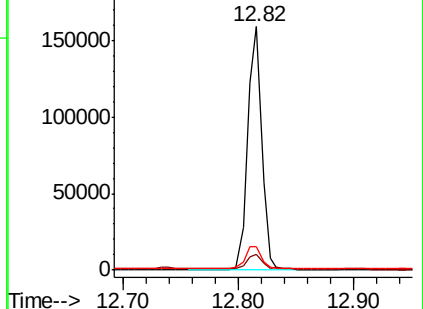
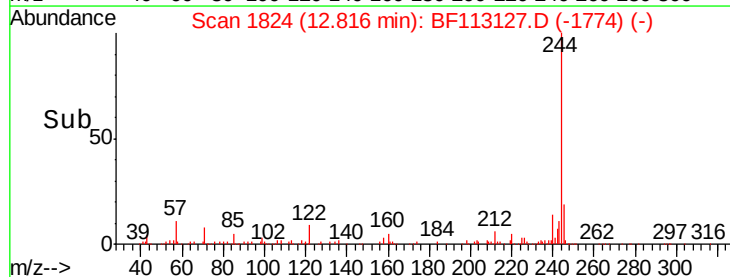
122 9.9 10.5 15.7#

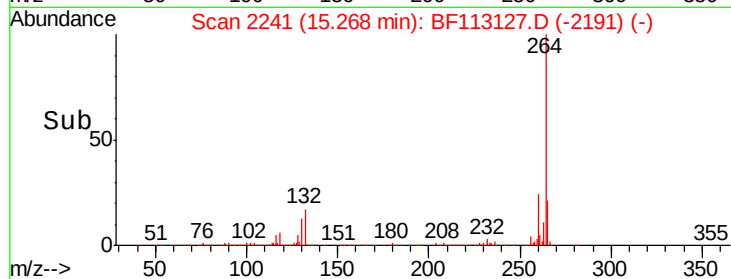
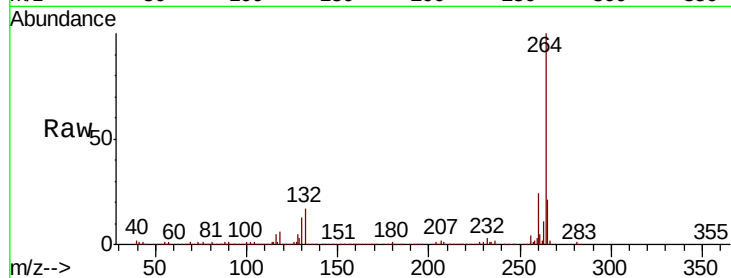
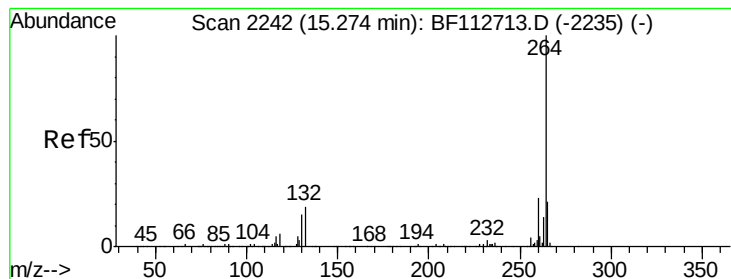


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113127.D

Acq: 19 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 264 Resp: 423943

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 21.2 17.2 25.8

