

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111046.D
 Acq On : 28 Nov 2018 15:34
 Operator : JU/SJ
 Sample : J6083-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 17:17:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	63359	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	264743	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	124147	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	219765	20.00	ng	0.00
76) Chrysene-d12	14.13	240	128266	20.00	ng	0.00
87) Perylene-d12	15.67	264	125864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	516832	135.27	ng	0.01
7) Phenol-d6	6.57	99	674663	135.50	ng	0.00
23) Nitrobenzene-d5	7.50	82	443395	95.85	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	154204	125.07	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	732785	85.51	ng	0.00
79) Terphenyl-d14	13.05	244	542938	82.40	ng	0.00

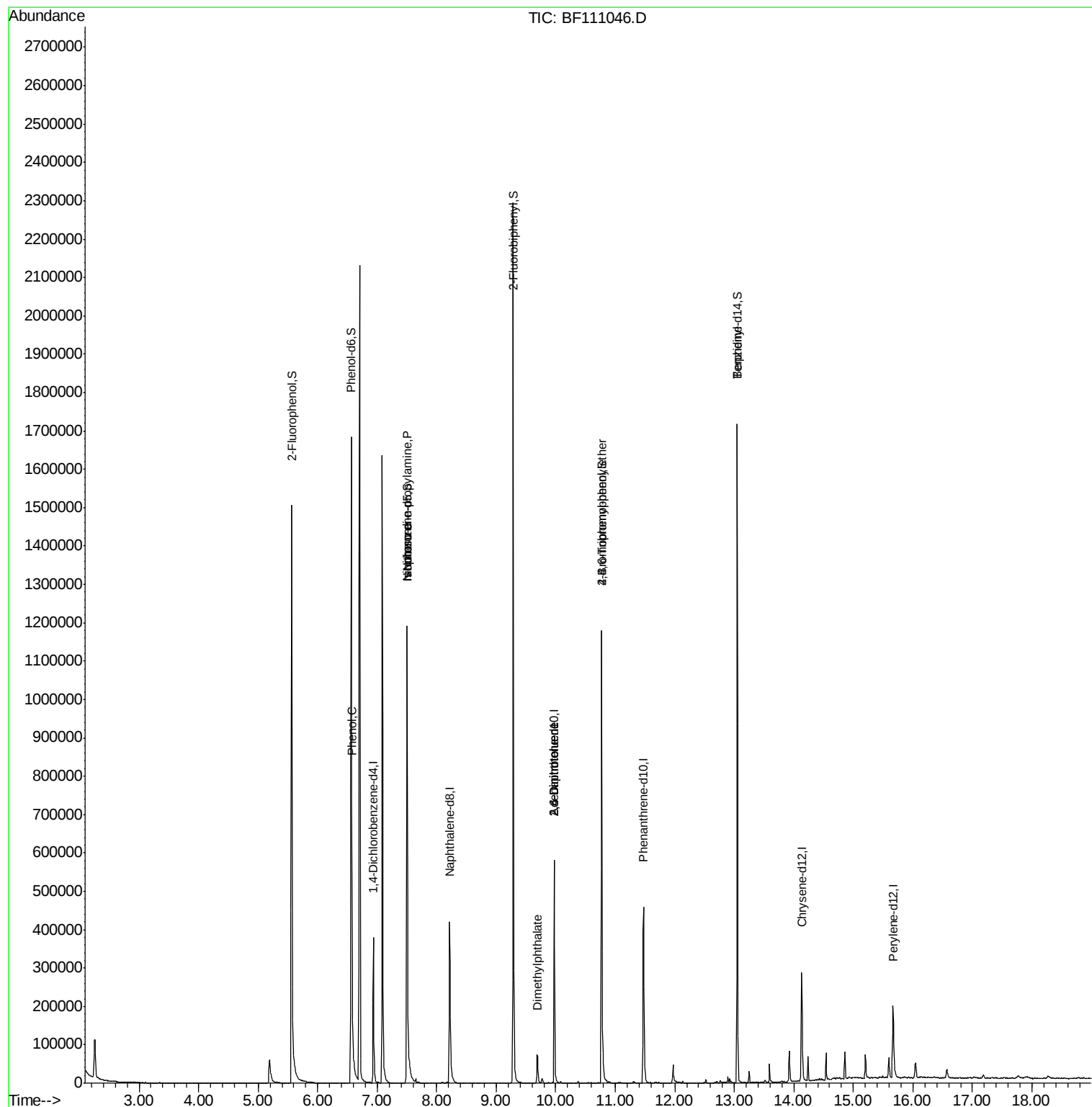
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1242	Below Cal		# 1
10) Phenol	6.58	94	39448	7.035	ng	# 77
19) n-Nitroso-di-n-propylamine	7.50	70	58136	17.925	ng	# 79
25) Isophorone	7.50	82	443395	58.433	ng	# 67
50) Dimethylphthalate	9.69	163	43480	4.775	ng	# 99
51) 2,6-Dinitrotoluene	9.97	165	15688	7.740	ng	# 21
57) 2,4-Dinitrotoluene	9.97	165	15688	5.965	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	9777	4.085	ng	# 1
77) Benzidine	13.05	184	7144	2.178	ng	# 94

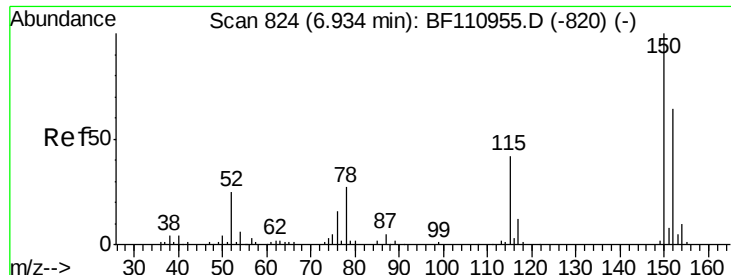
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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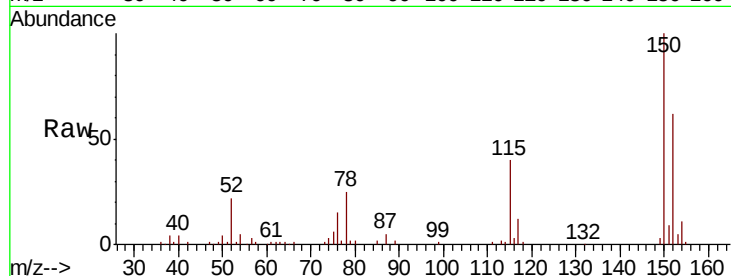


#1

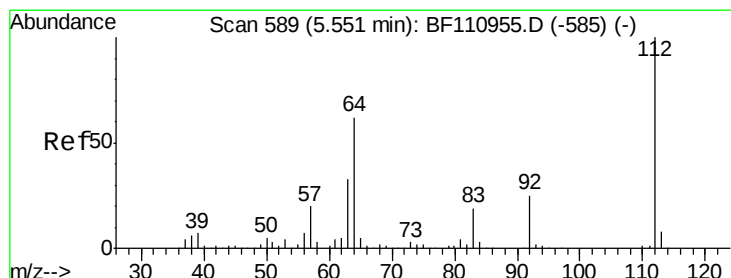
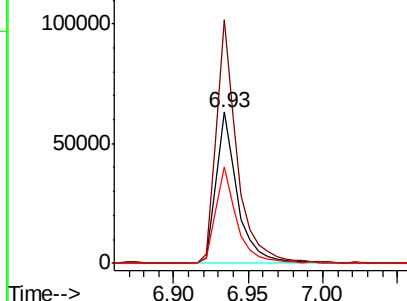
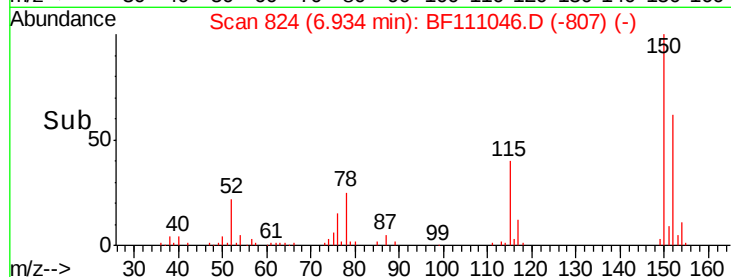
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 63359
Ion Ratio Lower Upper
152 100
150 161.1 122.7 184.1
115 63.7 49.1 73.7



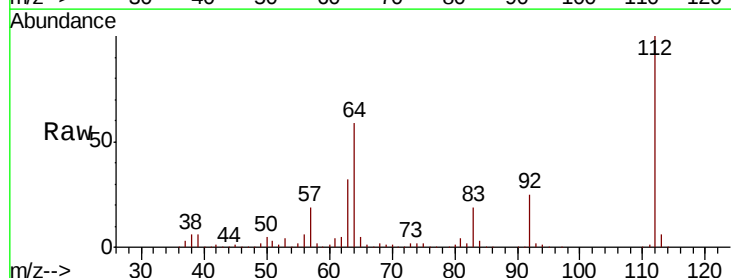
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



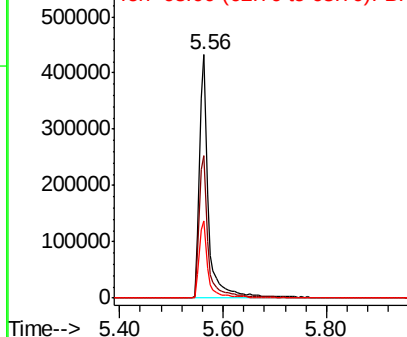
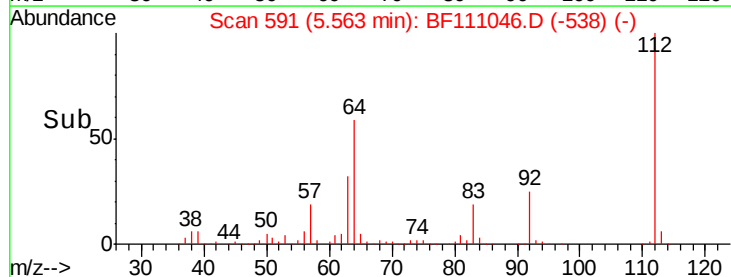
#5

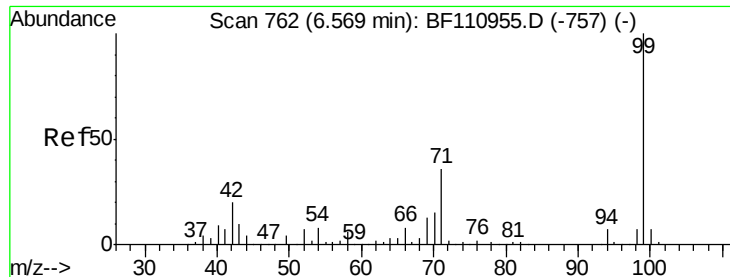
2-Fluorophenol
Concen: 135.272 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Tgt Ion:112 Resp: 516832
Ion Ratio Lower Upper
112 100
64 58.7 44.1 66.1
63 31.8 23.7 35.5



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: 135.502 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

Instrument :

BNA_F

ClientSampleId :

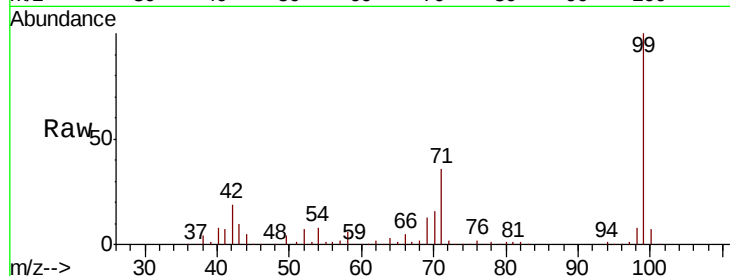
Tot Ion: 99 Resp: 674663

Ion Ratio Lower Upper

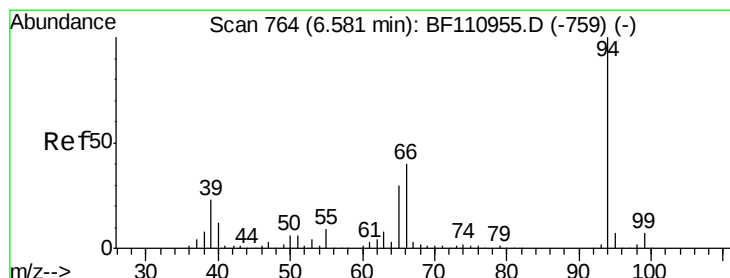
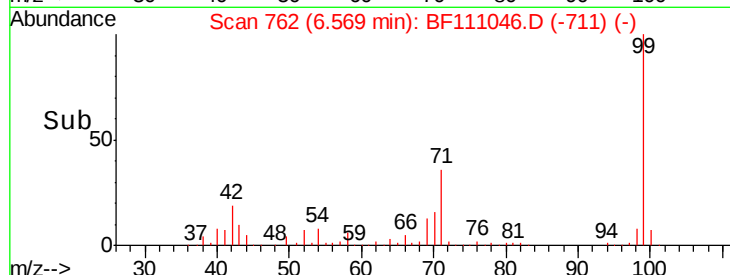
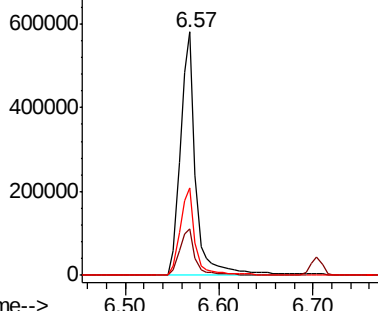
99 100

42 19.4 15.8 23.6

71 36.1 28.0 42.0



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: 7.035 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

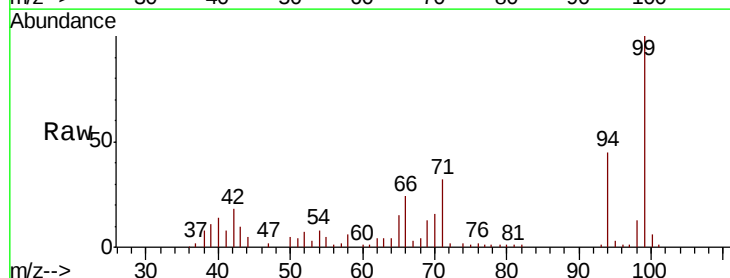
Tgt Ion: 94 Resp: 39448

Ion Ratio Lower Upper

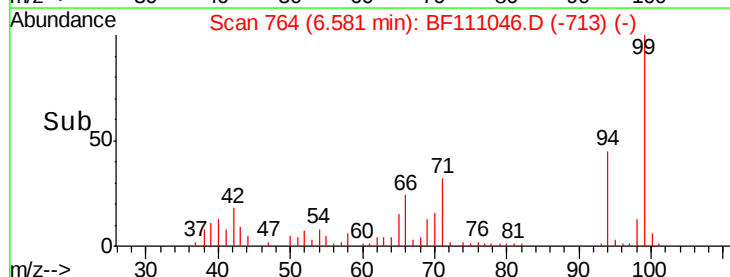
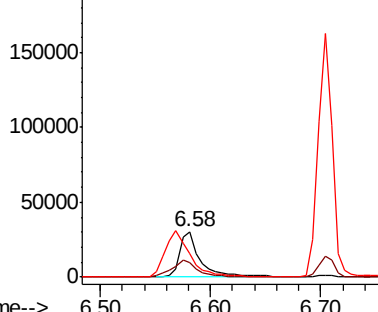
94 100

65 33.3 25.3 65.3

66 52.6 54.5 94.5#



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: 17.925 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 58136

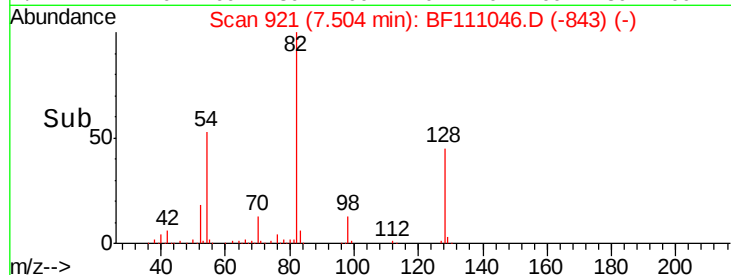
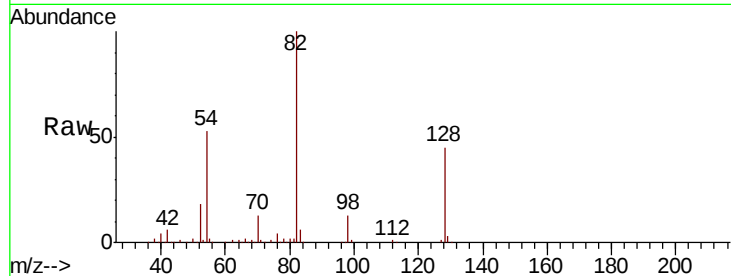
Ion Ratio Lower Upper

70 100

42 48.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.4 16.2 24.2#

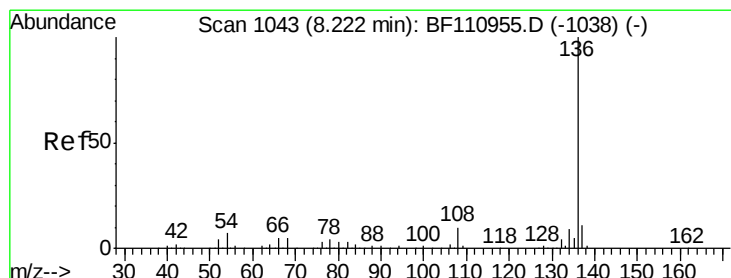
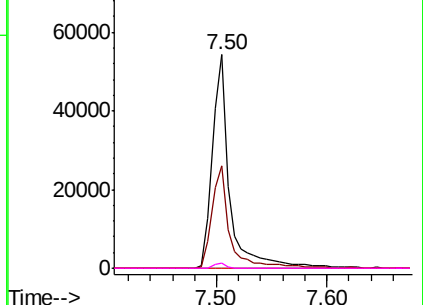


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

Tgt Ion: 136 Resp: 264743

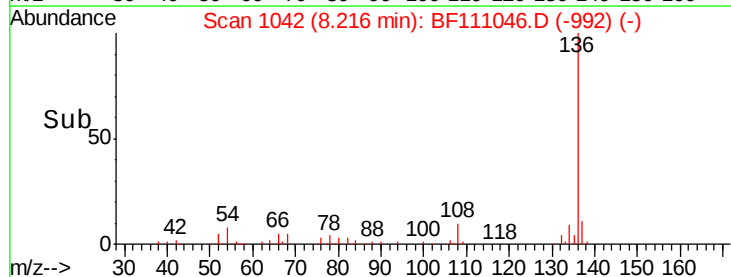
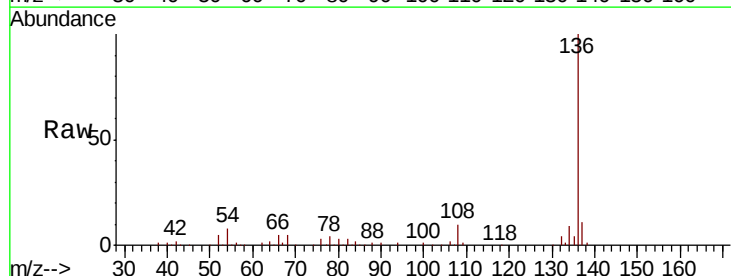
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 8.0 5.4 8.2

68 4.6 4.2 6.2

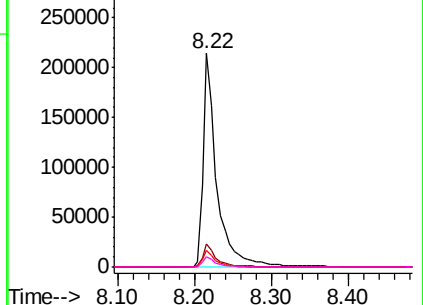


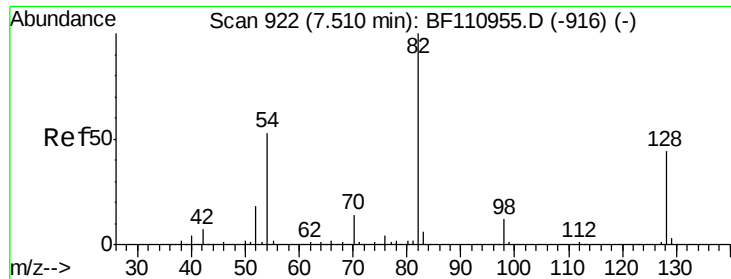
Abundance Ion 136.00 (135.70 to 136.70): E

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

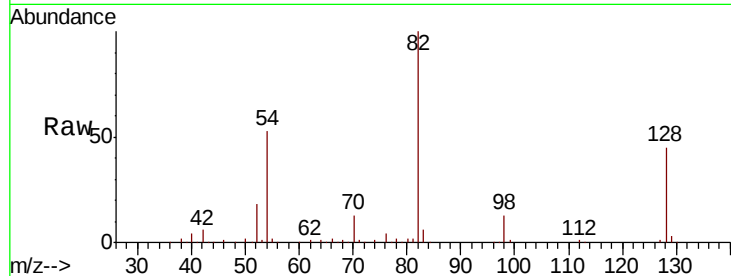




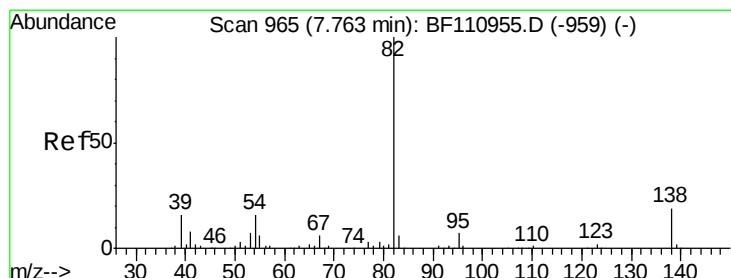
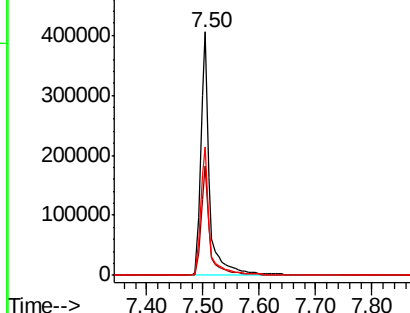
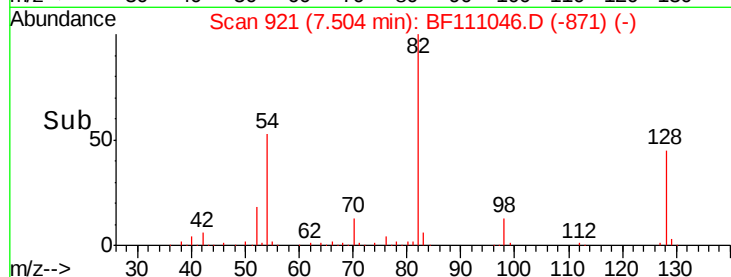
#23
Nitrobenzene-d5
Concen: 95.851 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	443395
Ion Ratio	100	Lower	Upper
128	44.9	34.2	51.2
54	52.9	38.6	58.0

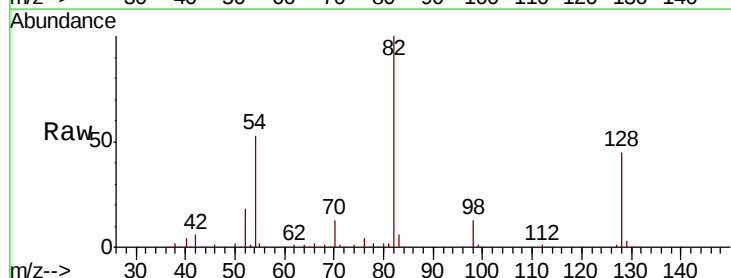


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

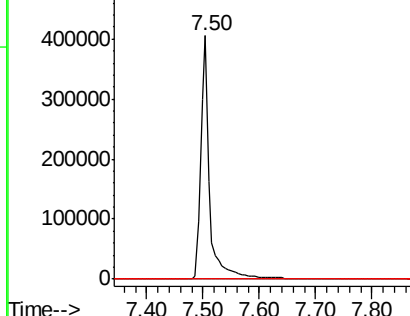
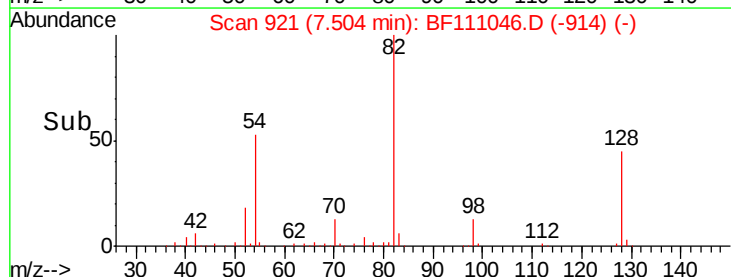


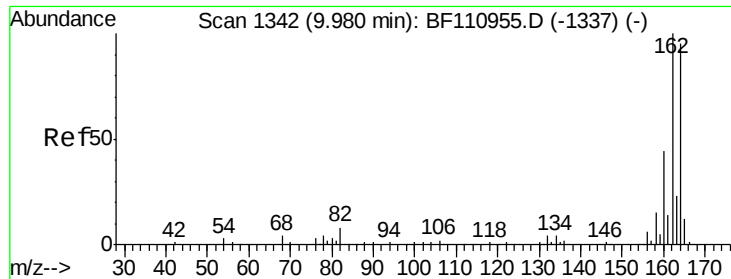
#25
Isophorone
Concen: 58.433 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Tgt Ion	82	Resp	443395
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

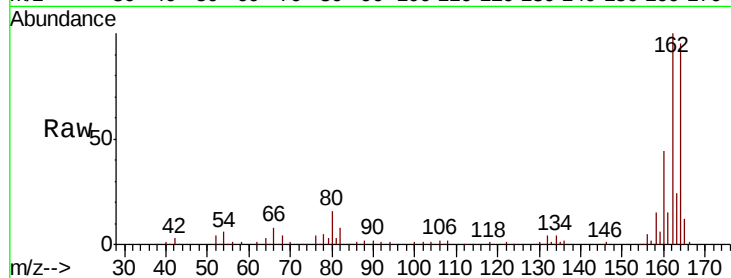




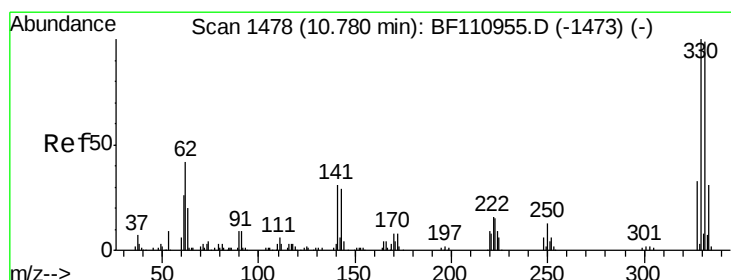
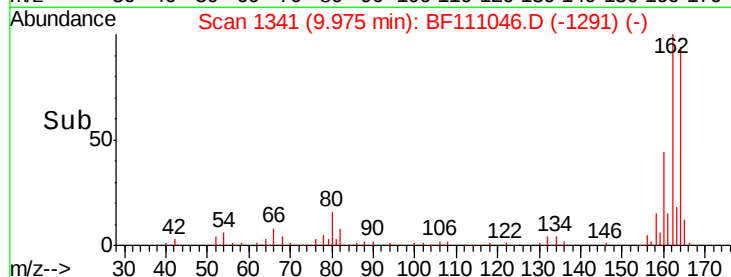
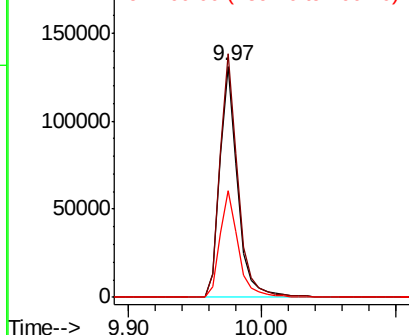
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 124147
Ion Ratio Lower Upper
164 100
162 105.4 83.0 124.6
160 45.9 37.0 55.6

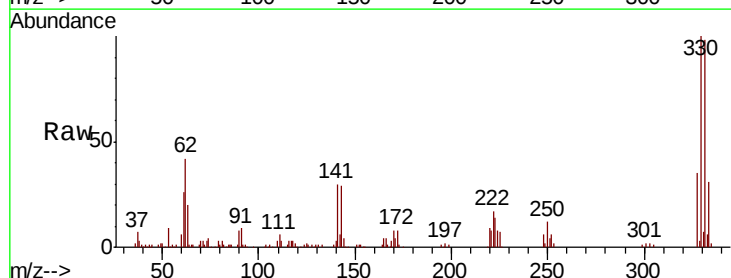


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

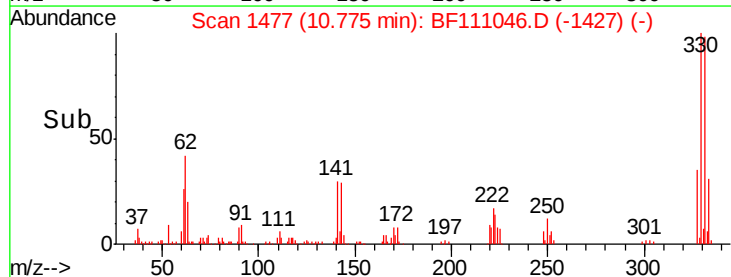
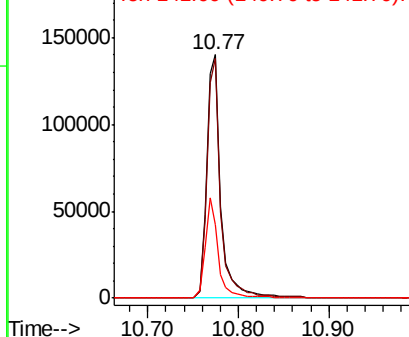


#42
2,4,6-Tribromophenol
Concen: 125.069 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Tgt Ion:330 Resp: 154204
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 38.1 27.0 40.4



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

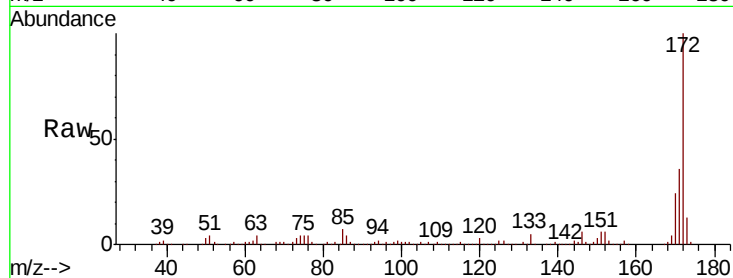




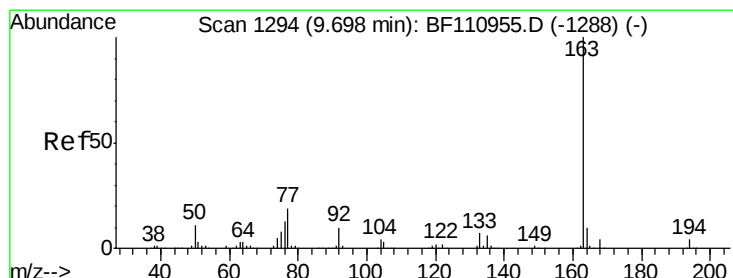
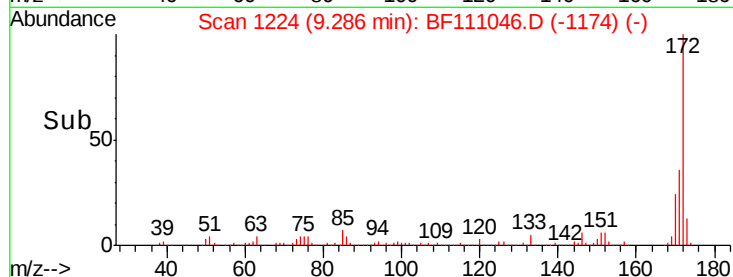
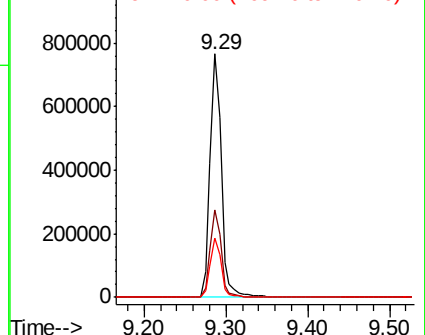
#45
2-Fluorobiphenyl
Concen: 85.515 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 732785
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.1 19.7 29.5

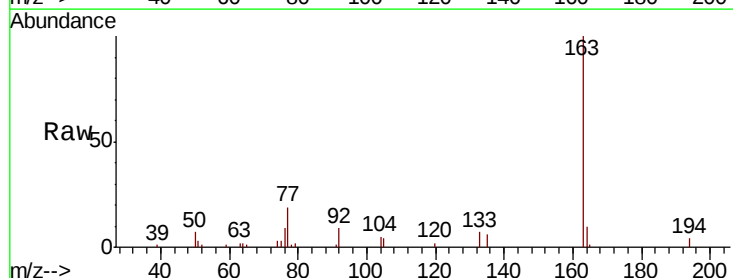


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

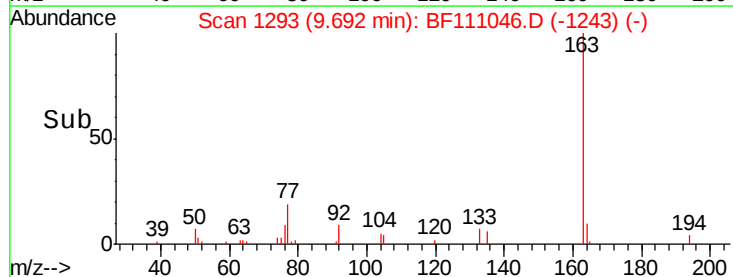
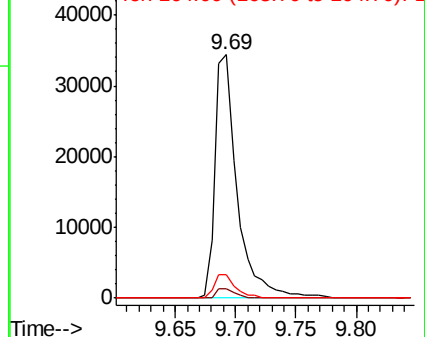


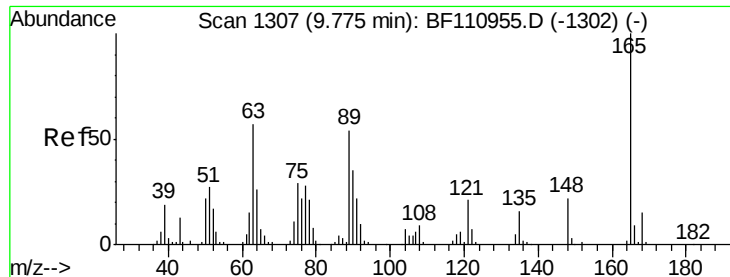
#50
Dimethylphthalate
Concen: 4.775 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111046.D
Acq: 28 Nov 2018 15:34

Tgt Ion:163 Resp: 43480
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.7 8.1 12.1



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: 7.740 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.20 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

Instrument :

BNA_F

ClientSampleId :

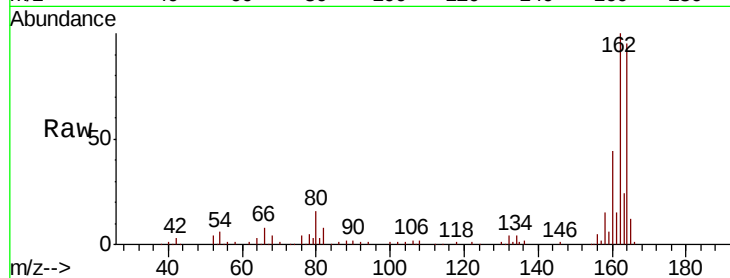
Tot Ion:165 Resp: 15688

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

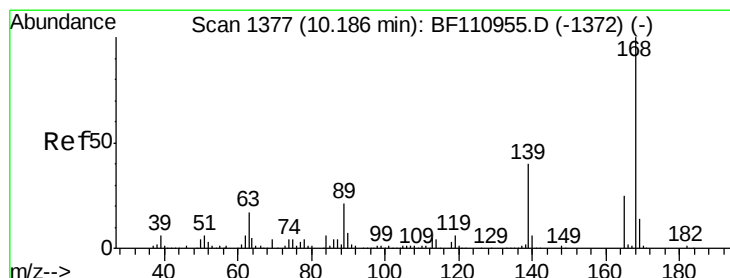
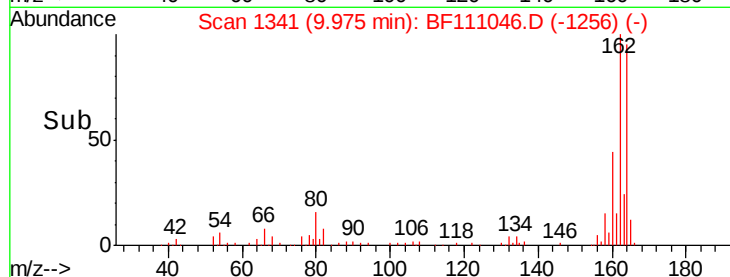
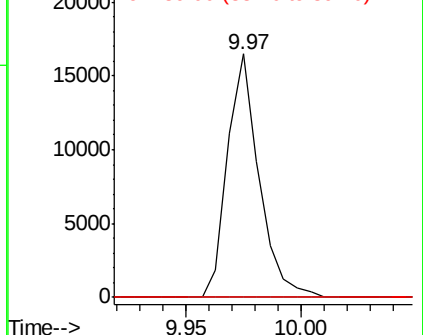
89 0.0 46.6 69.8#



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: 5.965 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.21 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

Tgt Ion:165 Resp: 15688

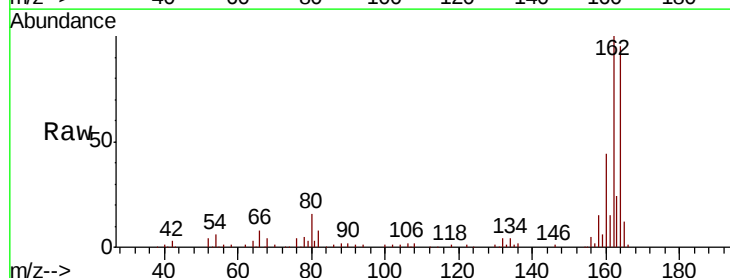
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

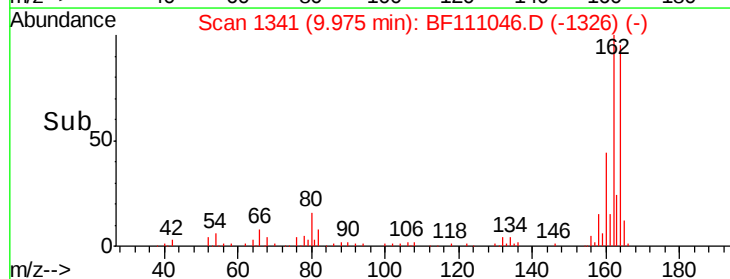
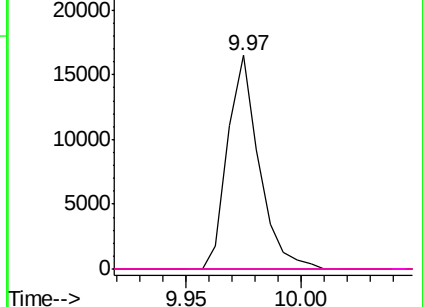


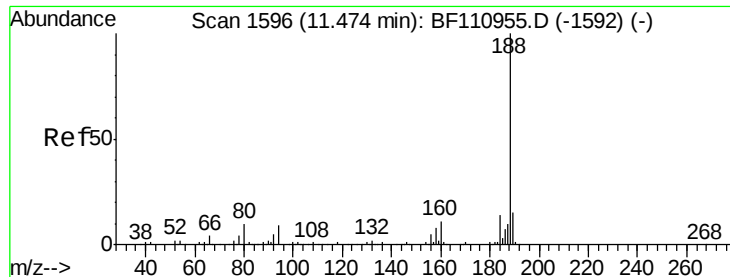
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

Instrument :

BNA_F

ClientSampleId :

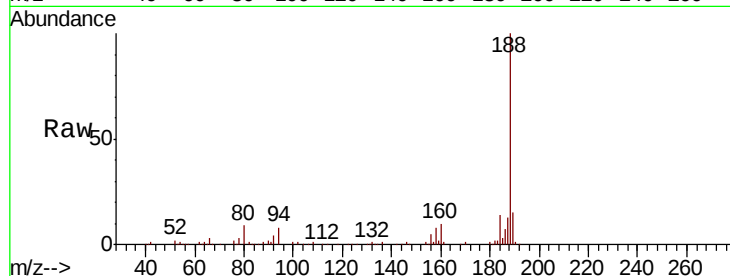
Tot Ion:188 Resp: 219765

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

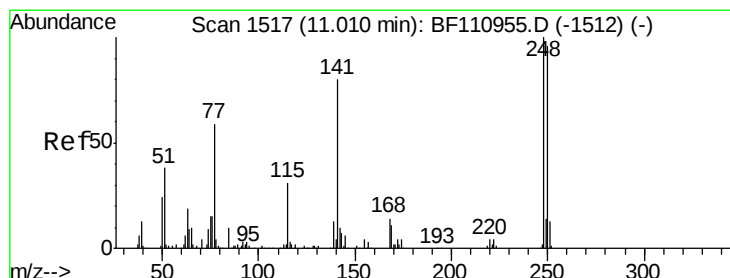
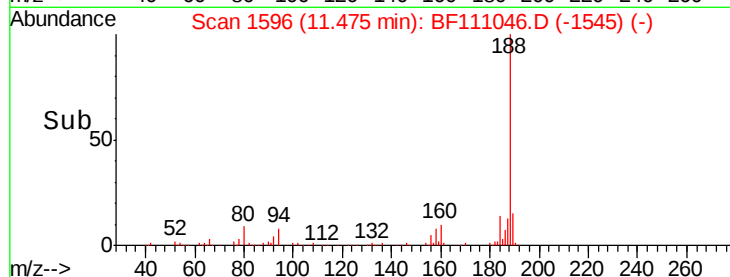
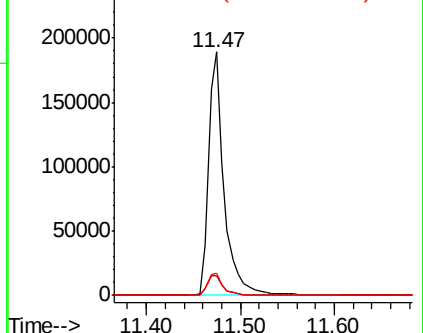
80 9.1 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 4.085 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.24 min

Lab File: BF111046.D

Acq: 28 Nov 2018 15:34

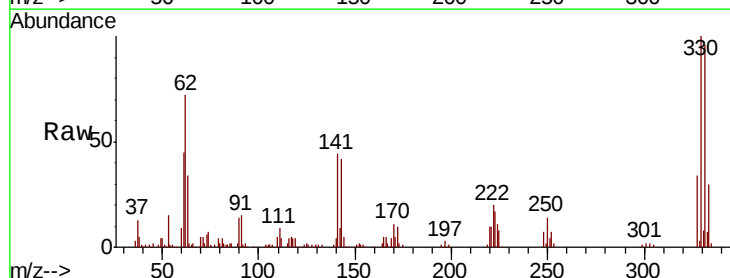
Tgt Ion:248 Resp: 9777

Ion Ratio Lower Upper

248 100

250 196.4 79.4 119.2#

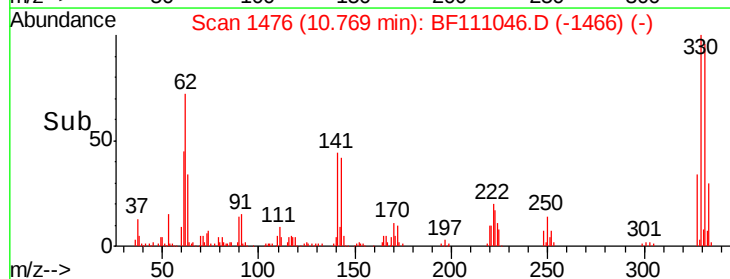
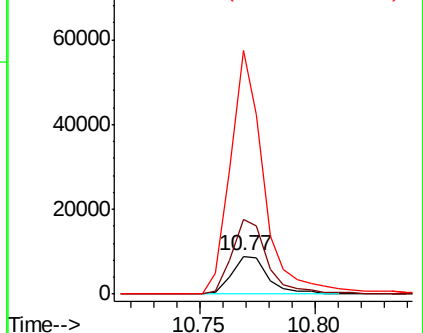
141 639.9 55.9 83.9#

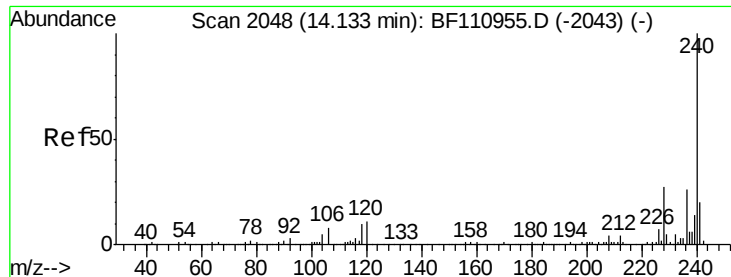


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

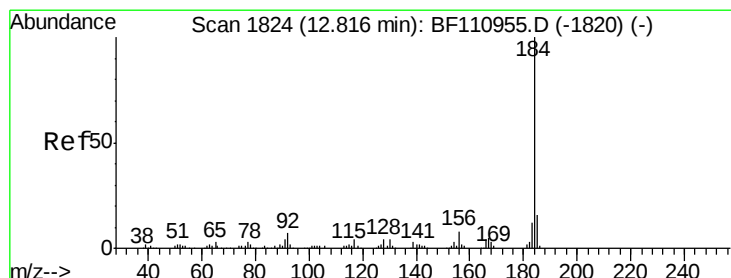
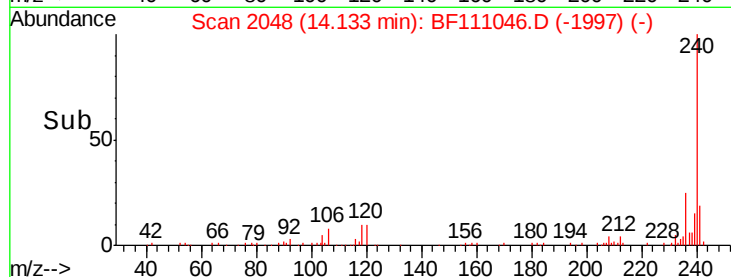
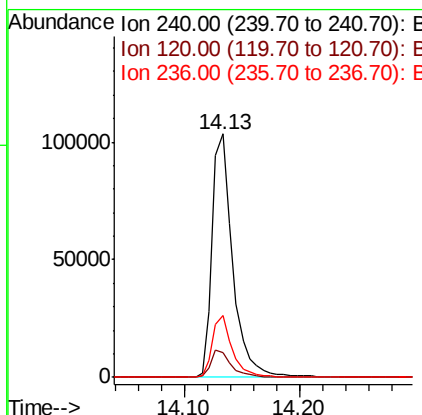
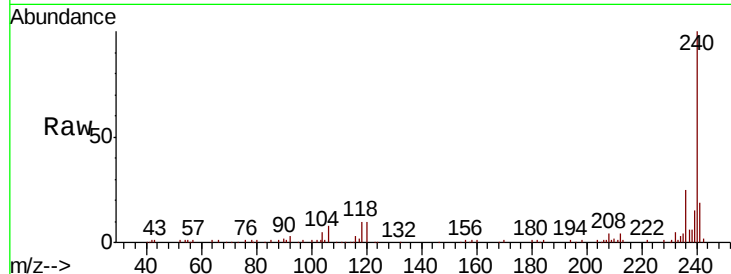




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BF111046.D
 Acq: 28 Nov 2018 15:34

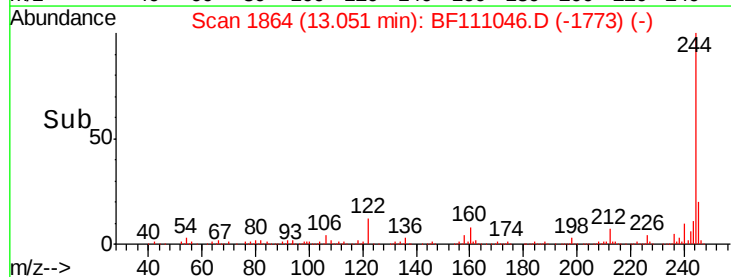
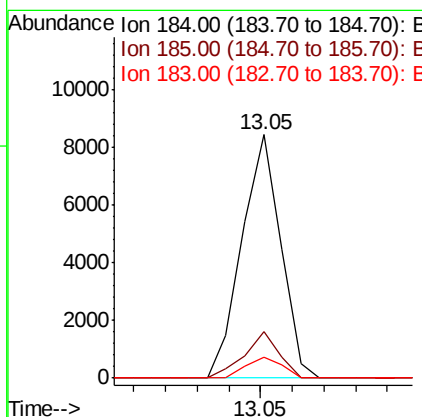
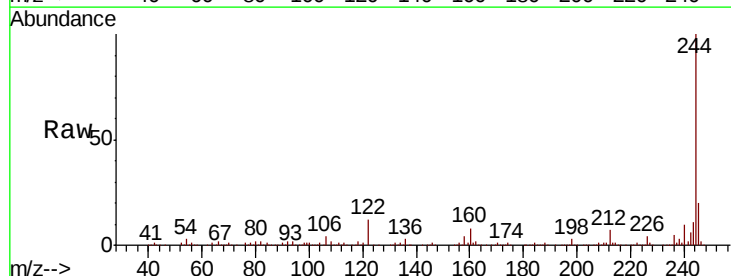
Instrument :
 BNA_F
 ClientSampled :

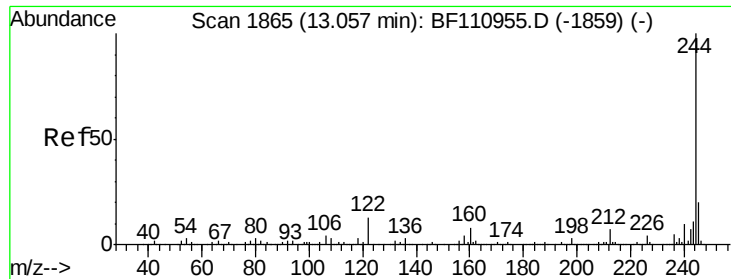
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.3	12.5
236	25.4	21.2	31.8



#77
 Benzidine
 Concen: 2.178 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. 0.24 min
 Lab File: BF111046.D
 Acq: 28 Nov 2018 15:34

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.9	13.4	20.2
183	8.6	9.4	14.2#

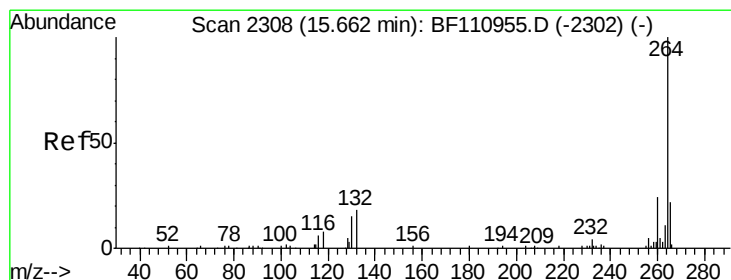
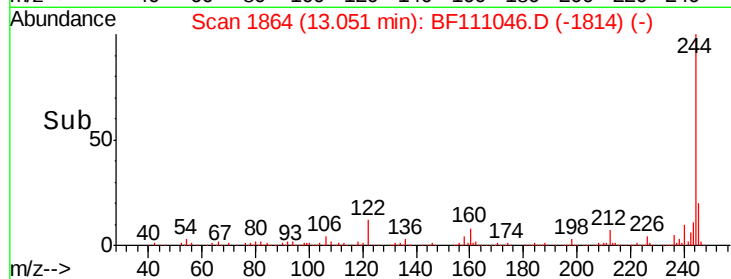
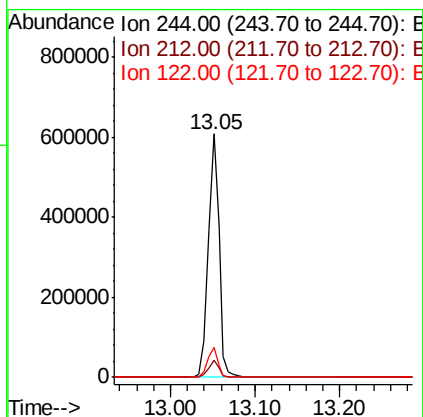
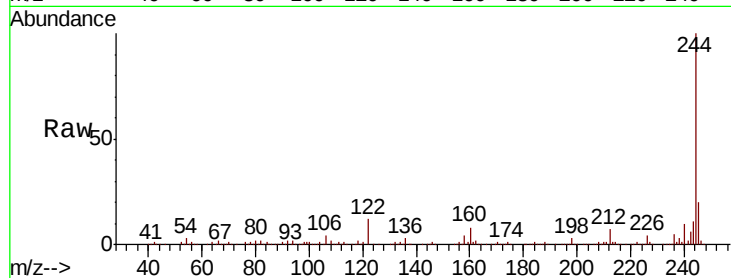




#79
 Terphenyl-d14
 Concen: 82.400 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF111046.D
 Acq: 28 Nov 2018 15:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 542938
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 12.3 8.7 13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: BF111046.D
 Acq: 28 Nov 2018 15:34

Tgt Ion:264 Resp: 125864
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.6 16.7 25.1

