

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110651.D
 Acq On : 10 Nov 2018 2:09
 Operator : JU/SJ
 Sample : J5884-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:26:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	80220	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	321295	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	133633	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	195159	20.00	ng	0.00
76) Chrysene-d12	14.13	240	145130	20.00	ng	0.00
87) Perylene-d12	15.66	264	105715	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	627717	127.10	ng	0.01
7) Phenol-d6	6.57	99	786562	124.55	ng	0.00
23) Nitrobenzene-d5	7.51	82	498618	89.37	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	131621	97.75	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	691314	73.88	ng	0.00
79) Terphenyl-d14	13.06	244	434536	56.07	ng	0.00

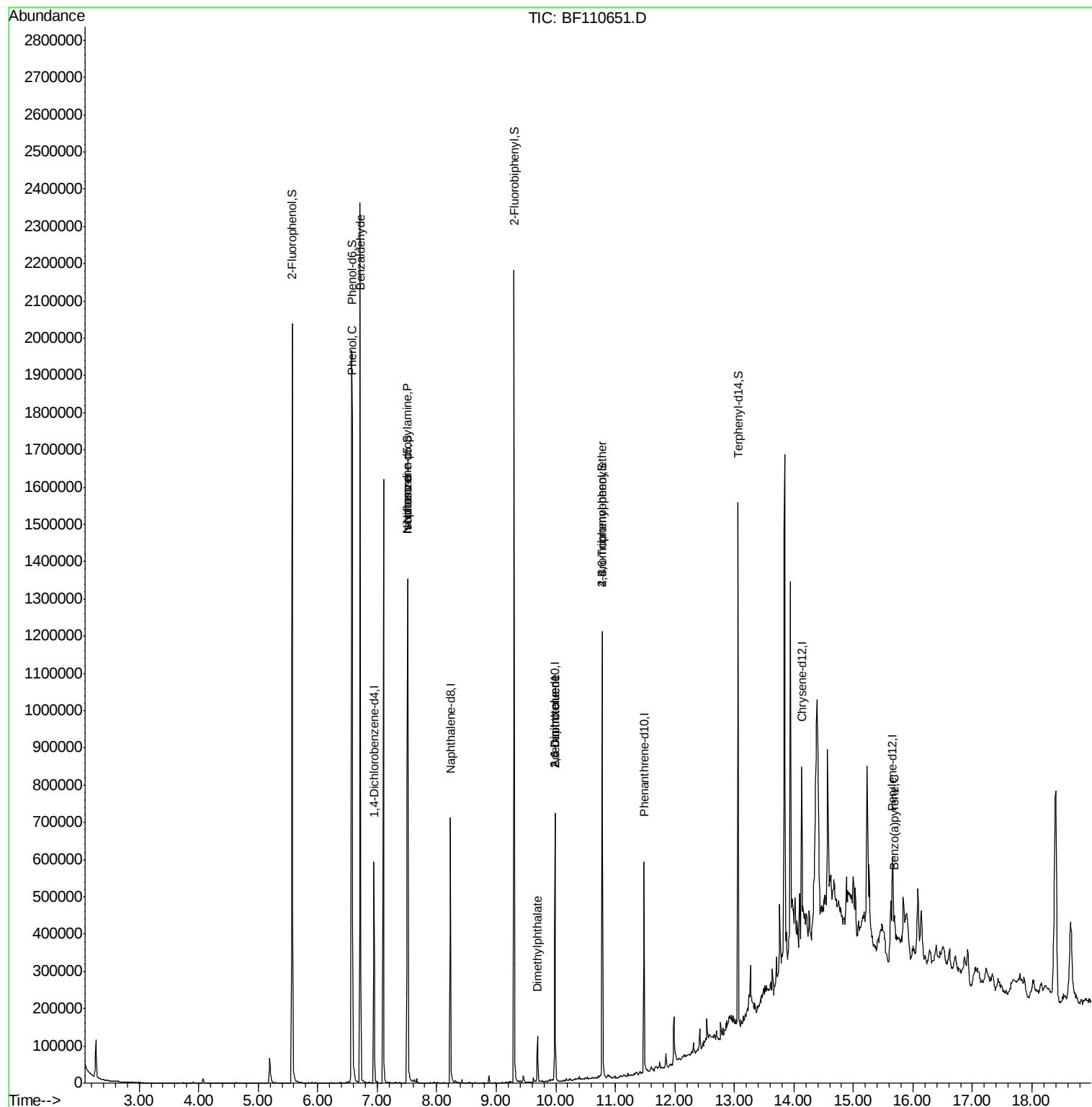
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	15569	2.740	ng	82
10) Phenol	6.59	94	53052	7.245	ng	# 70
19) n-Nitroso-di-n-propylamine	7.51	70	66826	16.577	ng	# 80
25) Isophorone	7.51	82	498611	54.528	ng	# 67
50) Dimethylphthalate	9.69	163	47621	4.776	ng	98
51) 2,6-Dinitrotoluene	9.99	165	17086	7.789	ng	# 23
57) 2,4-Dinitrotoluene	9.99	165	17086	5.991	ng	# 19
67) 4-Bromophenyl-phenylether	10.78	248	8543	3.961	ng	# 1
90) Benzo(a)pyrene	15.69	252	34055	5.927	ng	# 79

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

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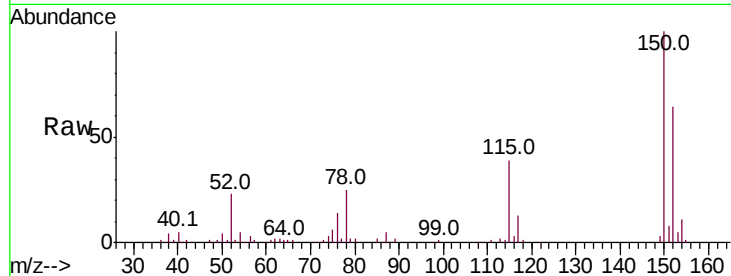


#1

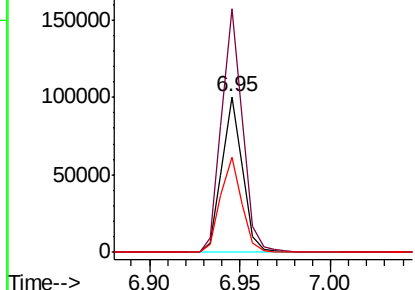
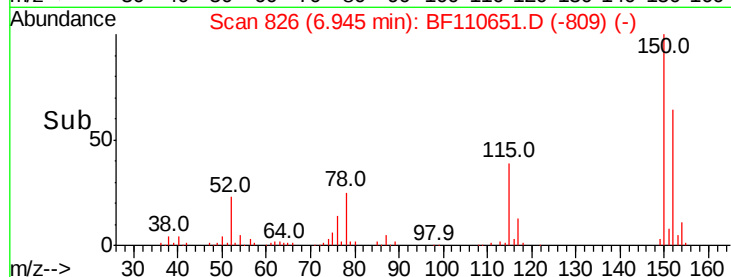
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110651.D
Acq: 10 Nov 2018 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80220
Ion Ratio Lower Upper
152 100
150 156.3 122.7 184.1
115 61.1 49.1 73.7



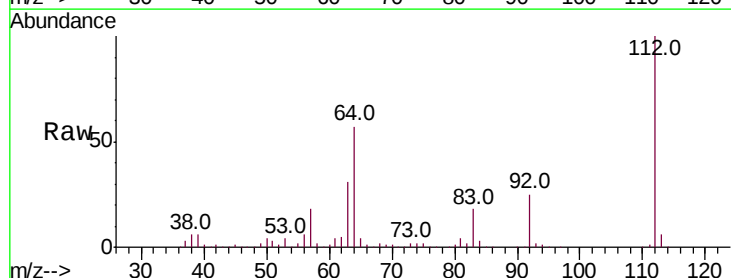
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



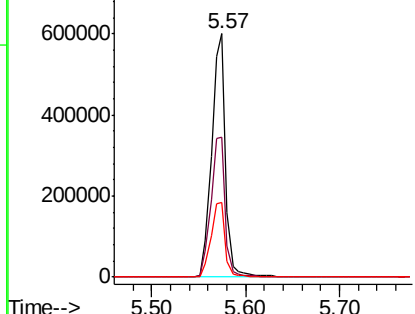
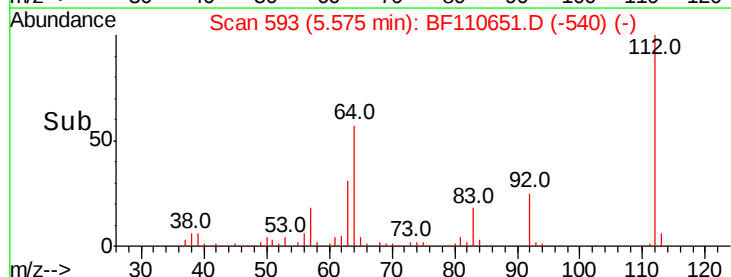
#5

2-Fluorophenol
Concen: 127.102 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110651.D
Acq: 10 Nov 2018 2:09

Tgt Ion:112 Resp: 627717
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 30.6 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: 124.547 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampleId :

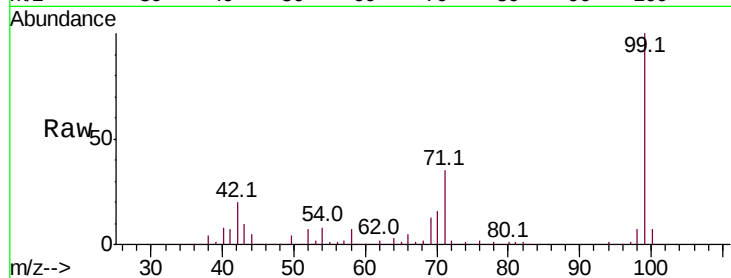
Tot Ion: 99 Resp: 786562

Ion Ratio Lower Upper

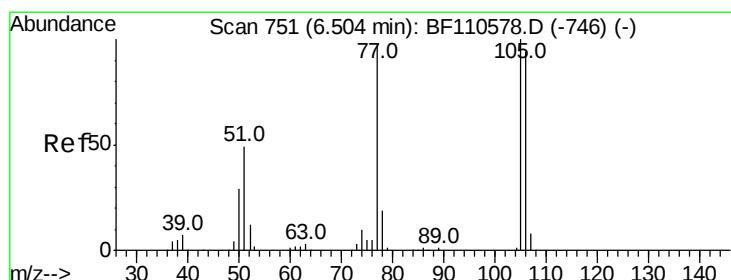
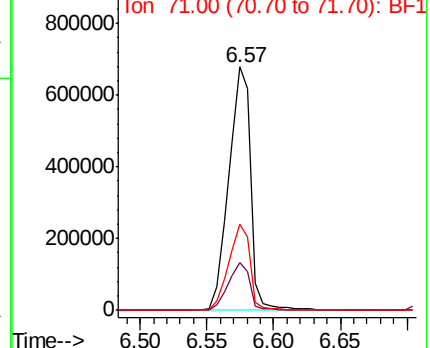
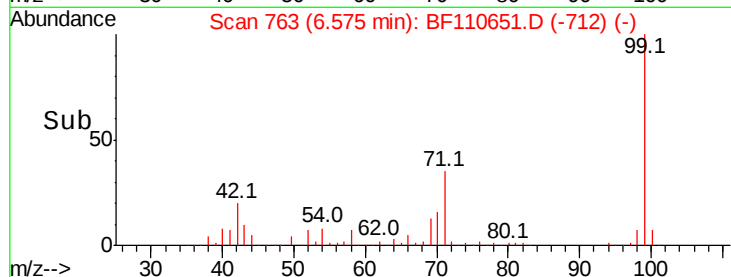
99 100

42 19.9 15.8 23.6

71 35.4 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



#9

Benzaldehyde

Concen: 2.740 ng

RT: 6.72 min Scan# 787

Delta R.T. 0.21 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

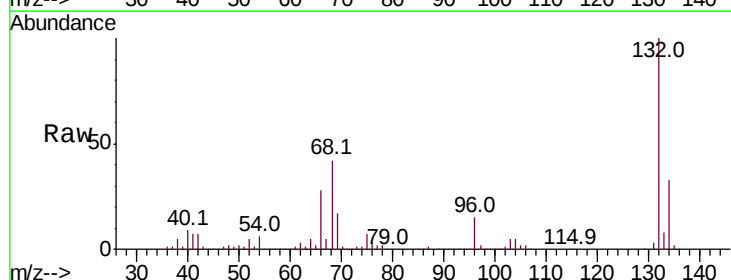
Tgt Ion: 77 Resp: 15569

Ion Ratio Lower Upper

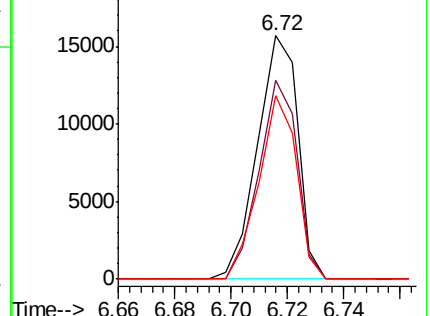
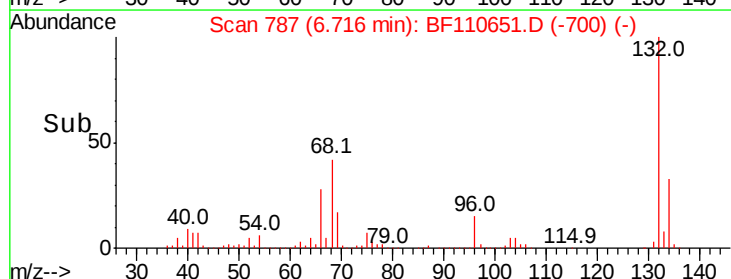
77 100

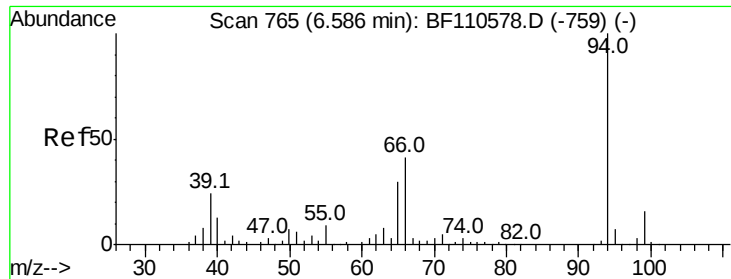
105 81.6 78.6 118.6

106 75.6 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.245 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampled :

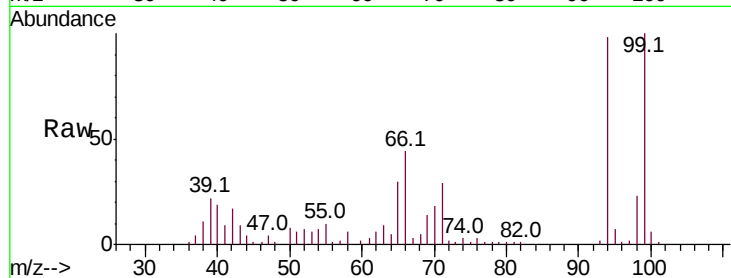
Tot Ion: 94 Resp: 53052

Ion Ratio Lower Upper

94 100

65 30.7 25.3 65.3

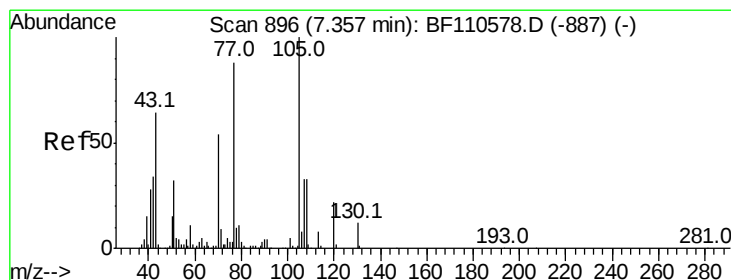
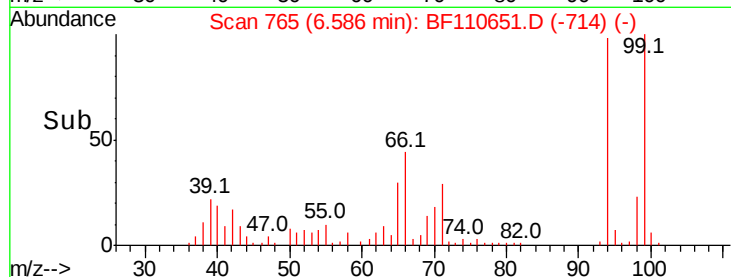
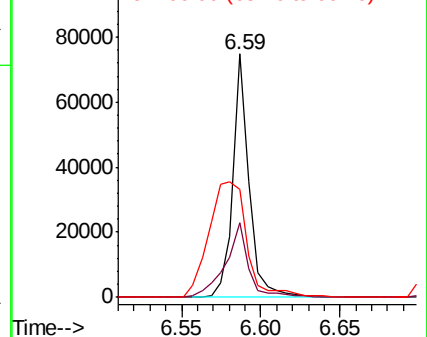
66 44.4 54.5 94.5#



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: 16.577 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Tgt Ion: 70 Resp: 66826

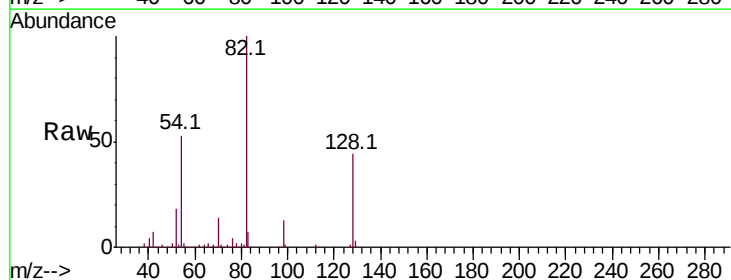
Ion Ratio Lower Upper

70 100

42 49.4 47.4 71.2

101 0.0 7.3 10.9#

130 2.4 16.2 24.2#

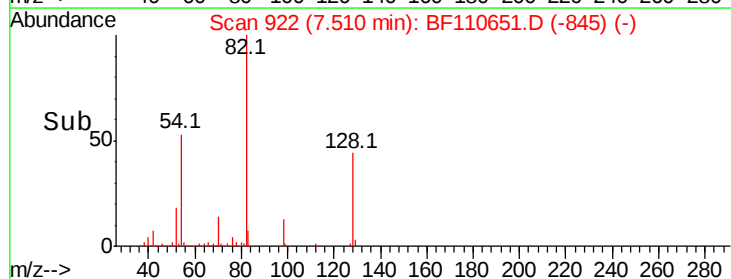
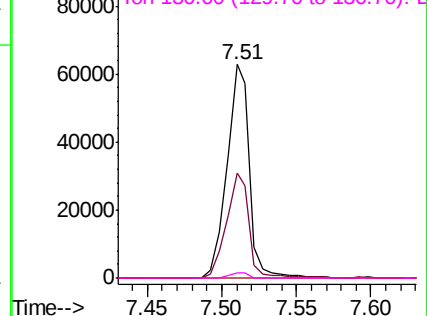


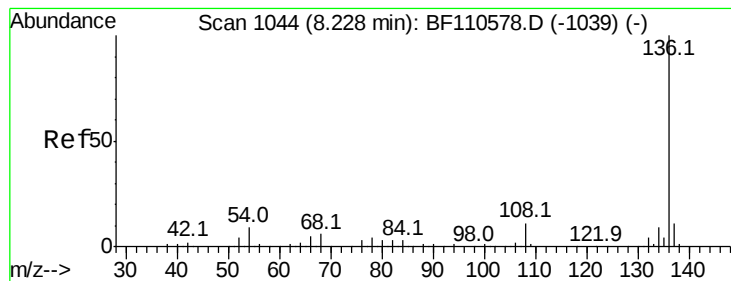
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 321295

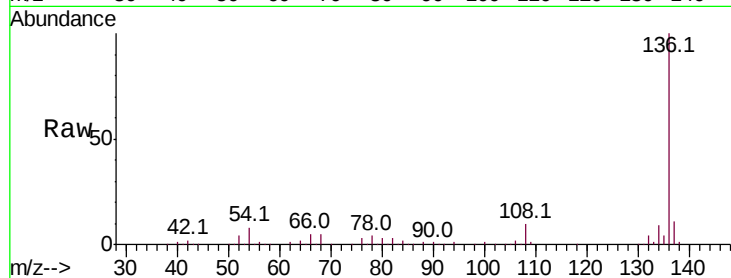
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.7 5.4 8.2

68 5.0 4.2 6.2

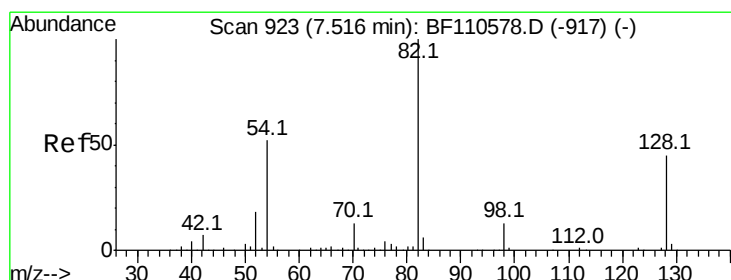
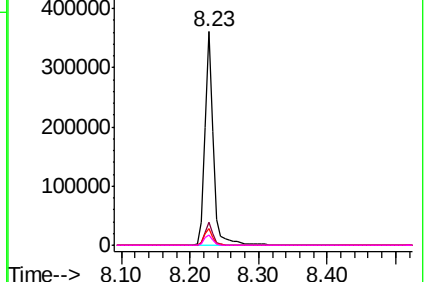
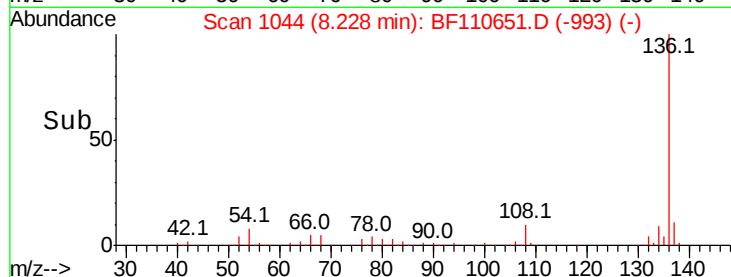


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.373 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

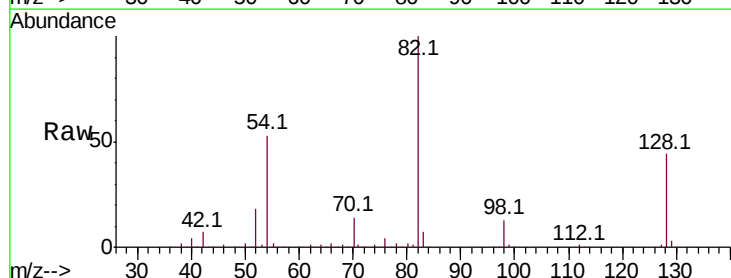
Tgt Ion: 82 Resp: 498618

Ion Ratio Lower Upper

82 100

128 44.4 34.2 51.2

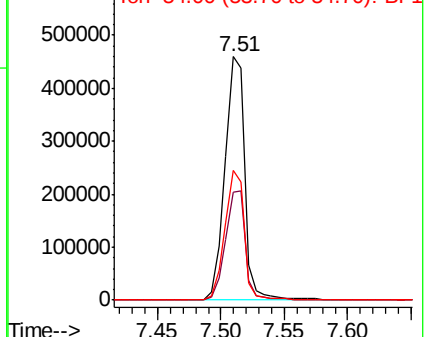
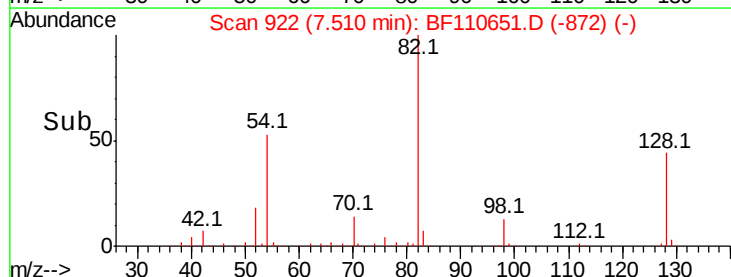
54 53.3 38.6 58.0

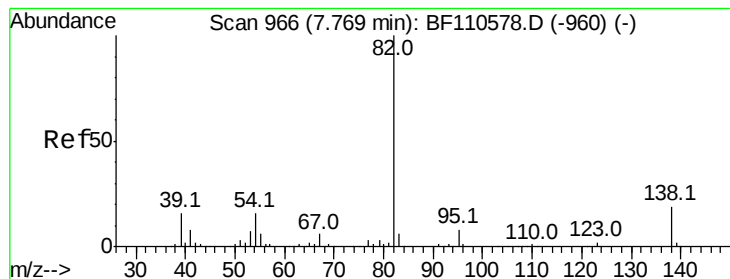


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.528 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampleId :

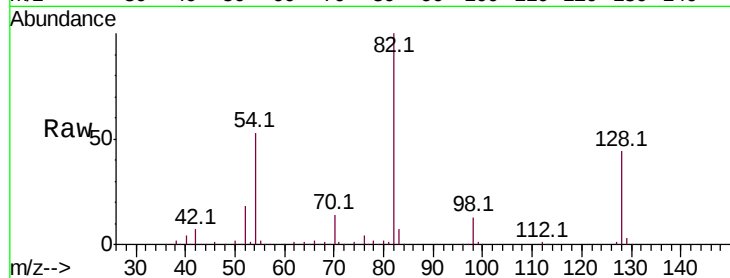
Tot Ion: 82 Resp: 498611

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

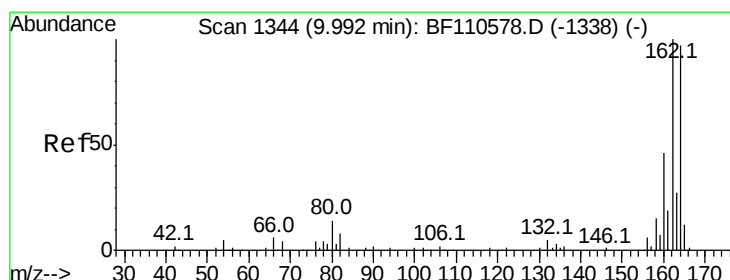
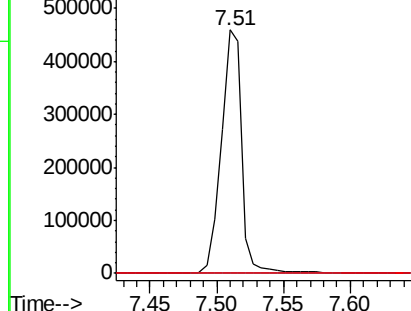
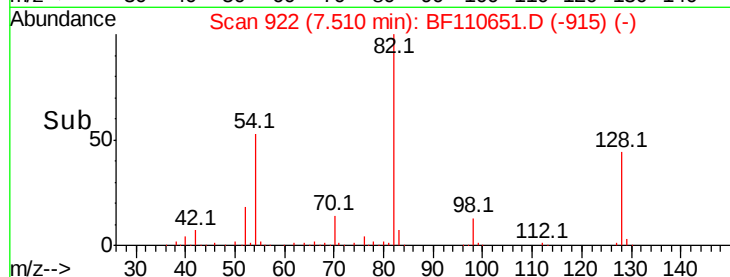
138 0.0 13.2 19.8#



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: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

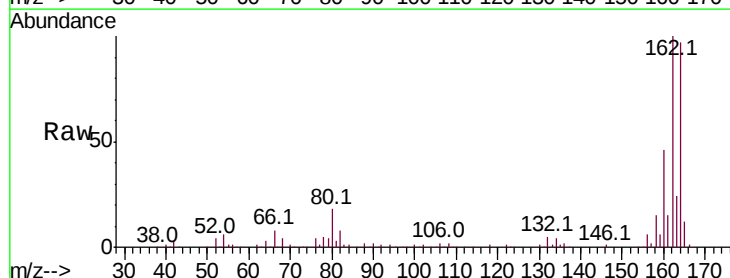
Tgt Ion:164 Resp: 133633

Ion Ratio Lower Upper

164 100

162 103.5 83.0 124.6

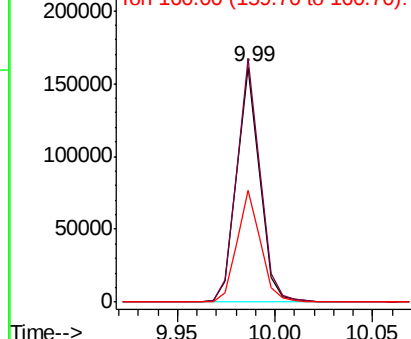
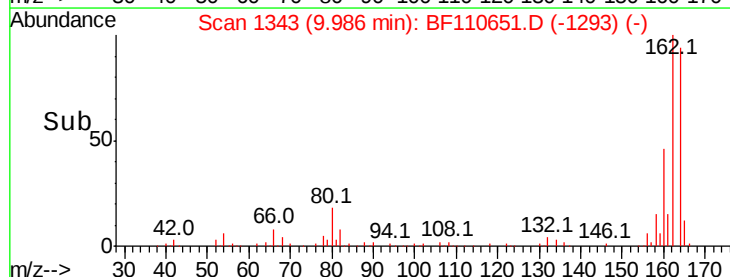
160 47.5 37.0 55.6

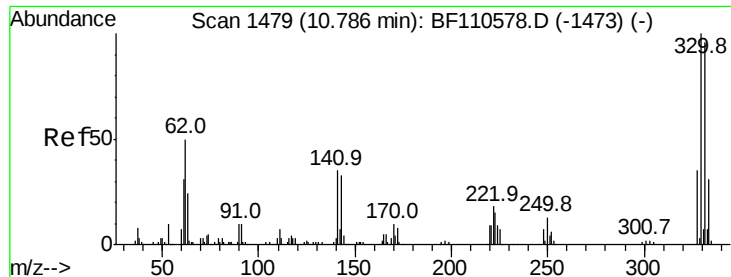


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

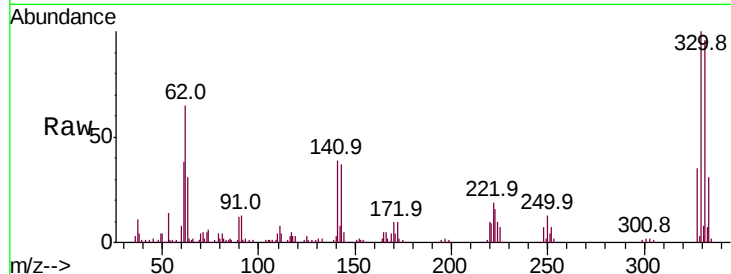




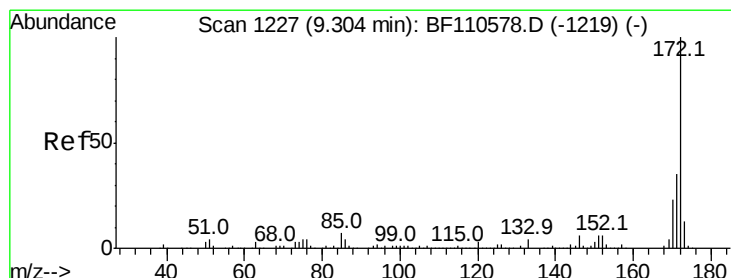
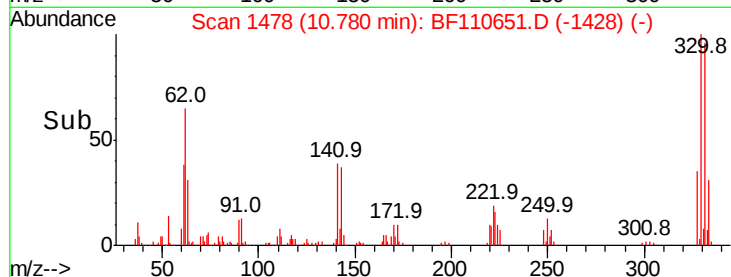
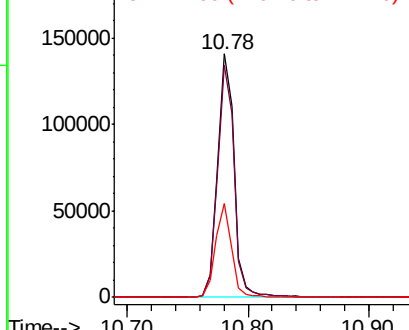
#42
 2,4,6-Tribromophenol
 Concen: 97.749 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110651.D
 Acq: 10 Nov 2018 2:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	37.2	27.0	40.4

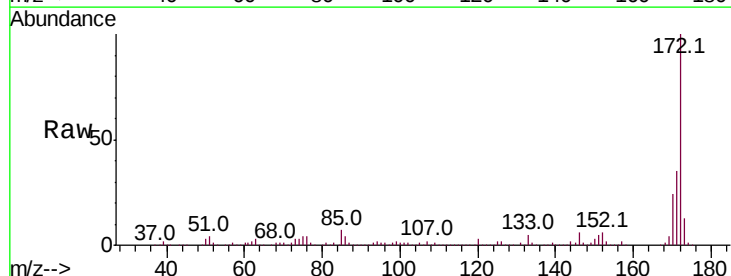


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

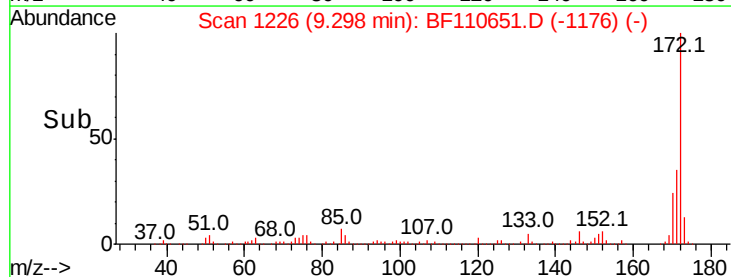
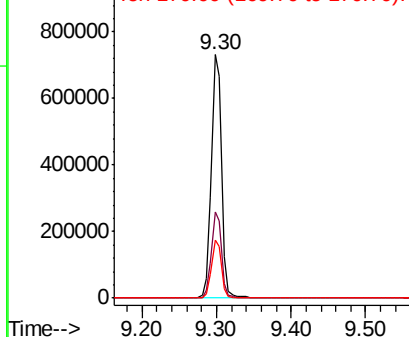


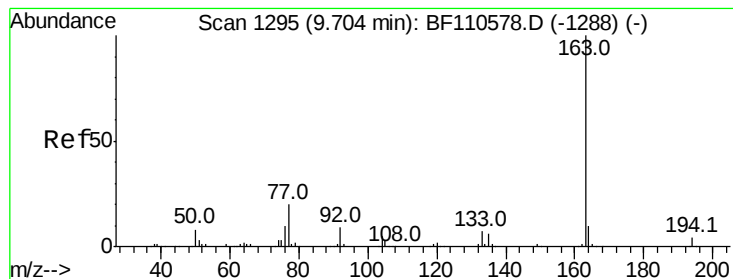
#45
 2-Fluorobiphenyl
 Concen: 73.883 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110651.D
 Acq: 10 Nov 2018 2:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.6	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: 4.776 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampleId :

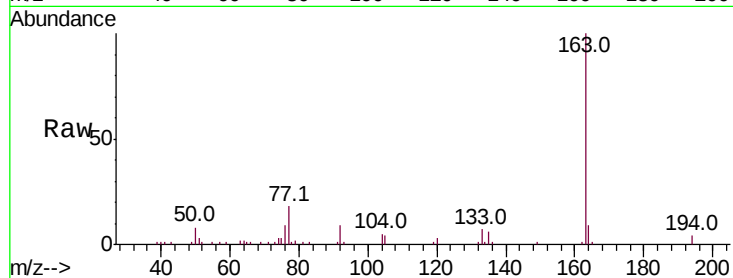
Tot Ion:163 Resp: 47621

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

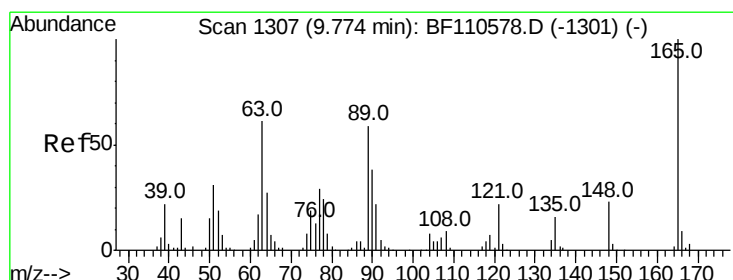
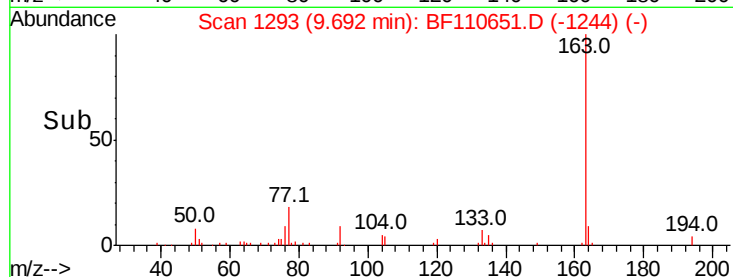
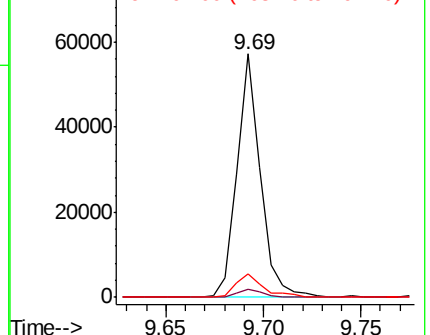
164 9.4 8.1 12.1



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: 7.789 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.21 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

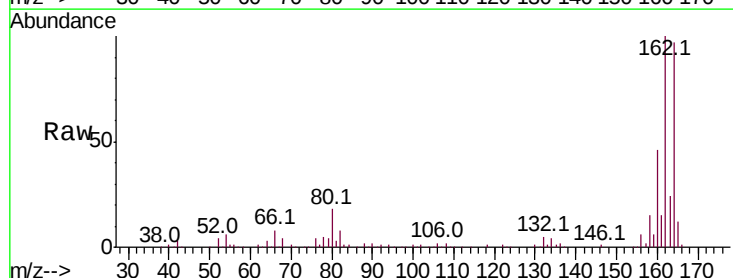
Tgt Ion:165 Resp: 17086

Ion Ratio Lower Upper

165 100

63 1.6 48.9 73.3#

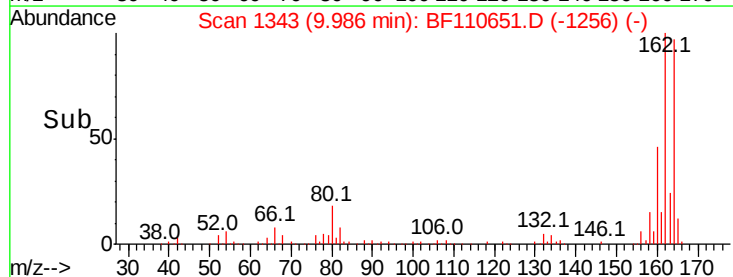
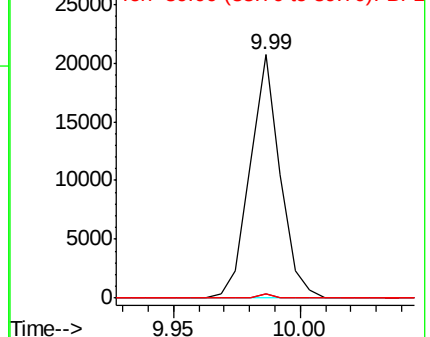
89 1.9 46.6 69.8#

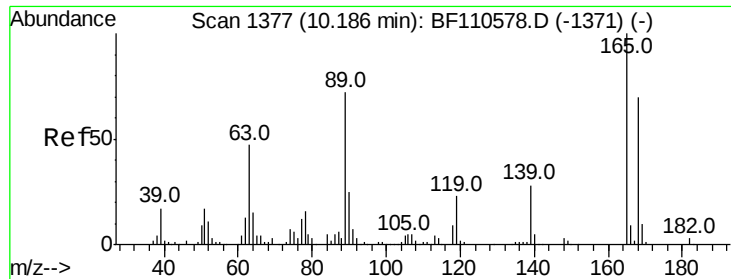


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

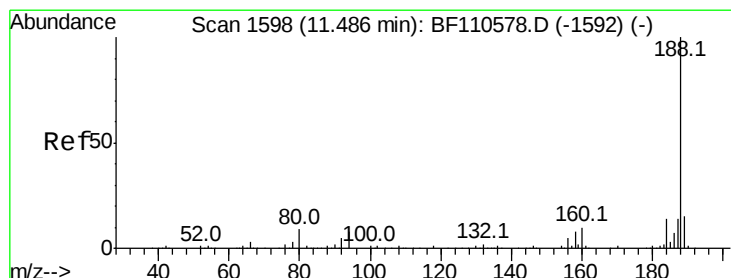
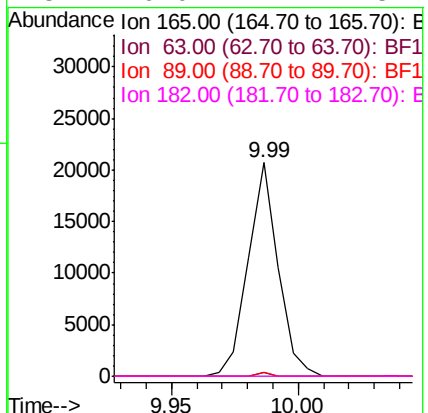
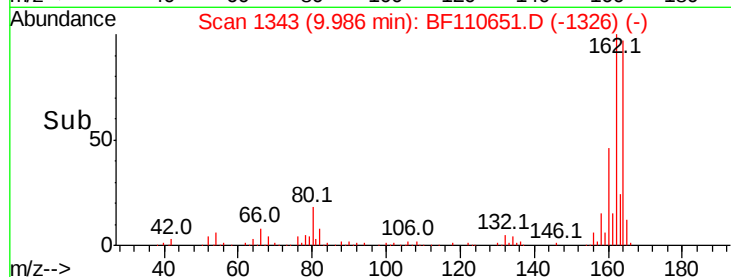
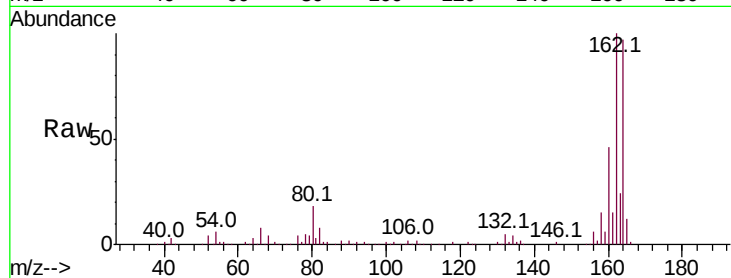




#57
 2,4-Dinitrotoluene
 Concen: 5.991 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110651.D
 Acq: 10 Nov 2018 2:09

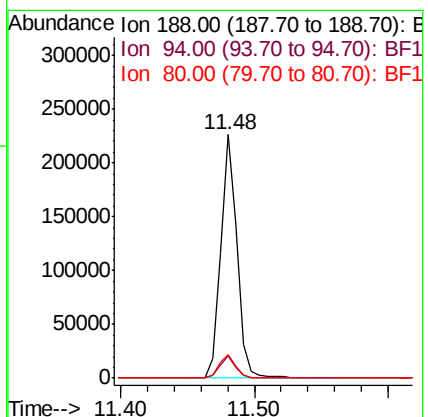
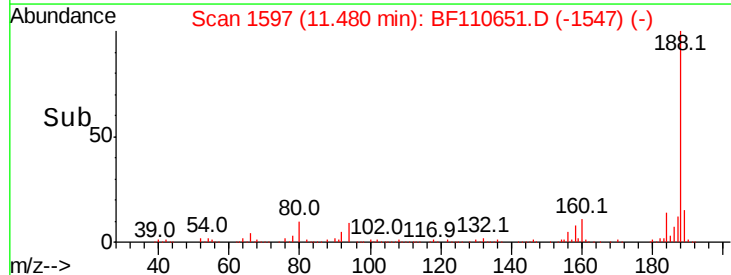
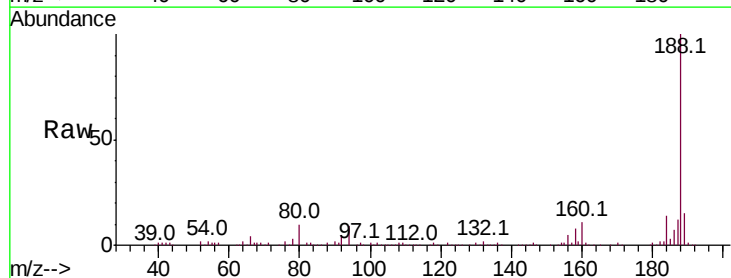
Instrument :
 BNA_F
 ClientSampleId :

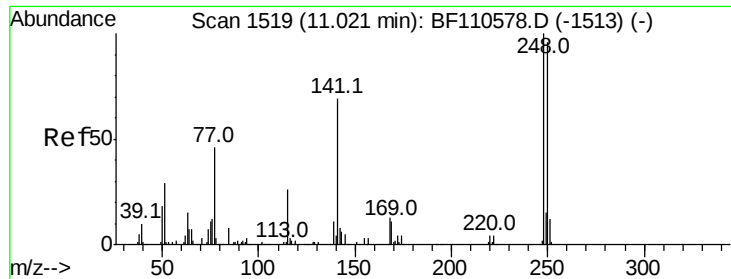
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.8	67.2#
89	1.9	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110651.D
 Acq: 10 Nov 2018 2:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.5	7.9	11.9

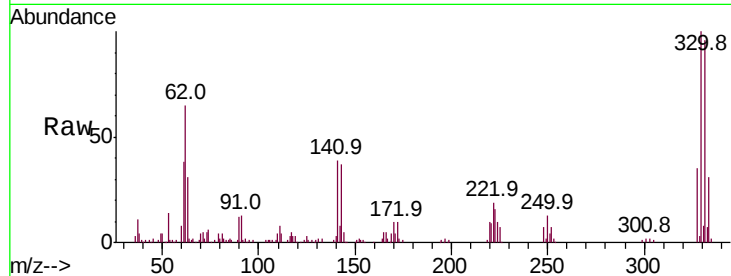




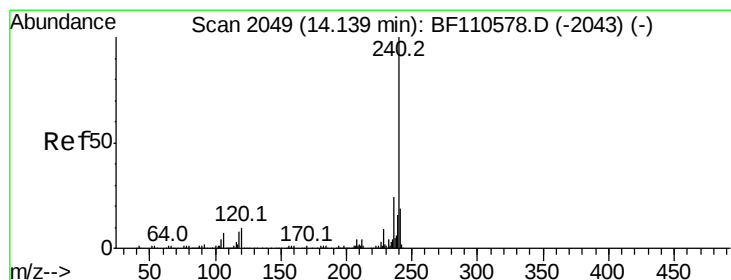
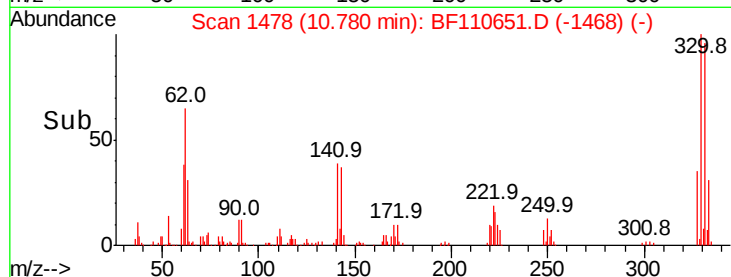
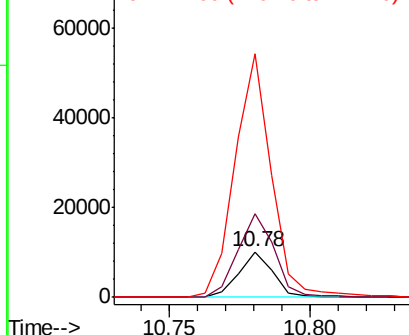
#67
4-Bromophenyl-phenylether
Concen: 3.961 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.24 min
Lab File: BF110651.D
Acq: 10 Nov 2018 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8543
Ion Ratio Lower Upper
248 100
250 182.0 79.4 119.2#
141 533.3 55.9 83.9#

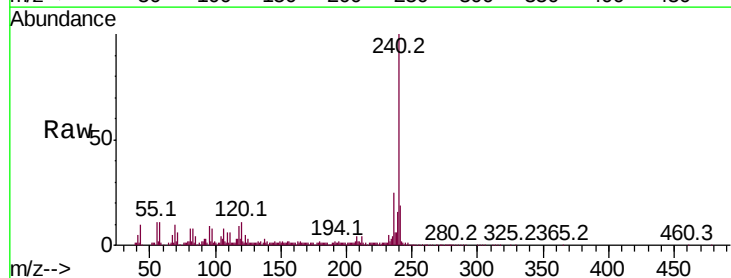


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

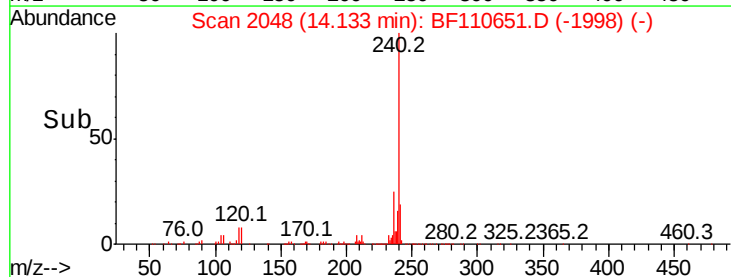
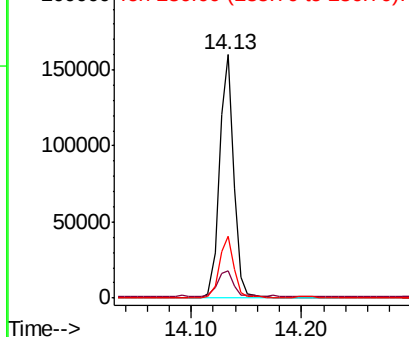


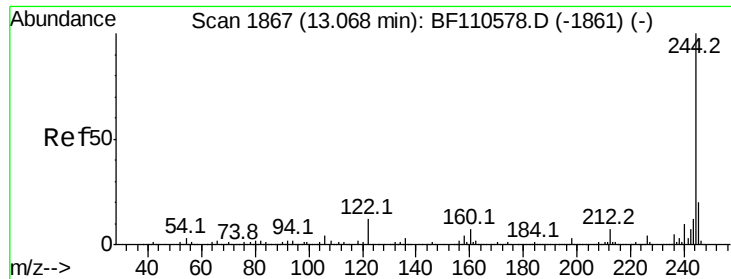
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110651.D
Acq: 10 Nov 2018 2:09

Tgt Ion:240 Resp: 145130
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 25.3 21.2 31.8



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: 56.073 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampleId :

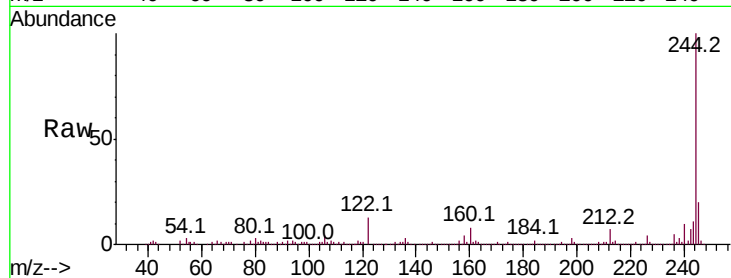
Tot Ion:244 Resp: 434536

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

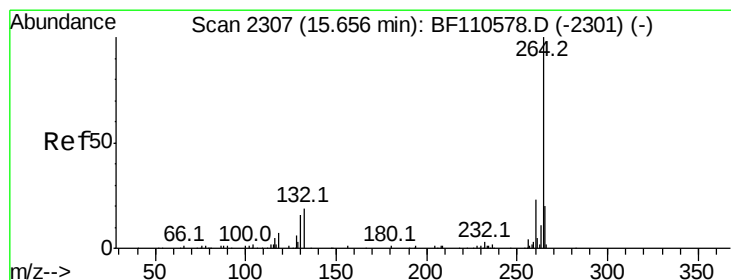
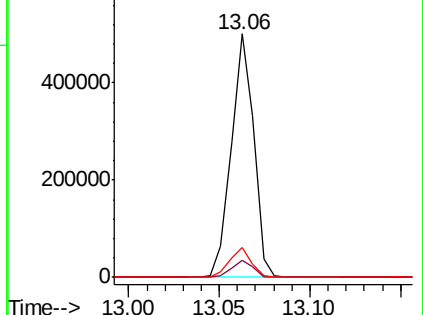
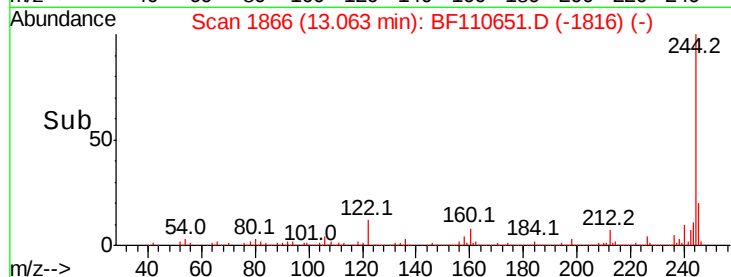
122 12.5 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

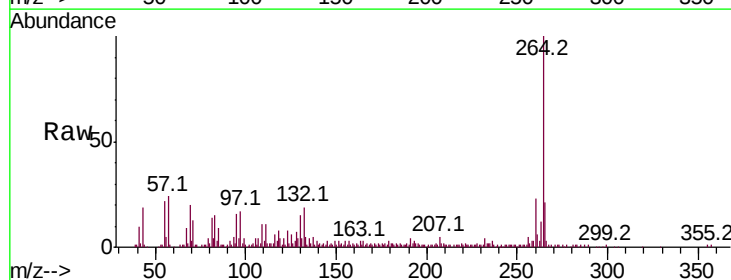
Tgt Ion:264 Resp: 105715

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

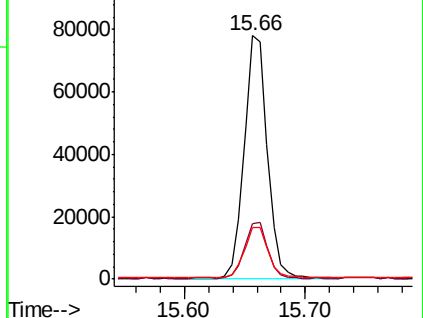
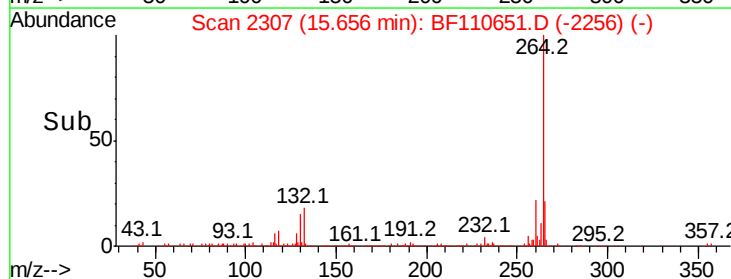
265 21.5 16.7 25.1

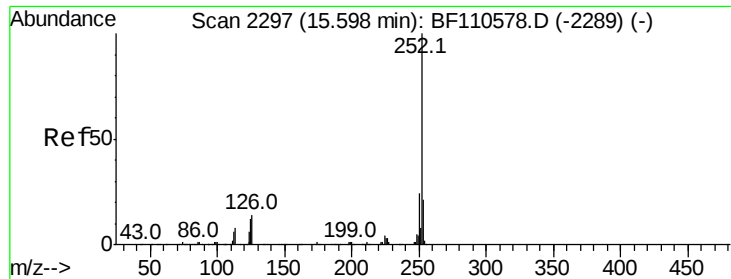


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#90

Benzo(a)pyrene

Concen: 5.927 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.09 min

Lab File: BF110651.D

Acq: 10 Nov 2018 2:09

Instrument :

BNA_F

ClientSampleId :

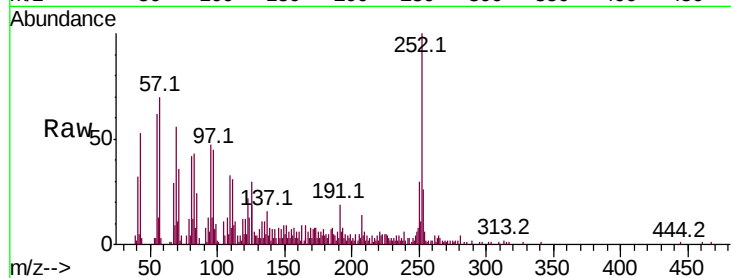
Tot Ion:252 Resp: 34055

Ion Ratio Lower Upper

252 100

253 25.8 18.2 27.4

125 30.5 9.0 13.6



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

