

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110852.D
 Acq On : 19 Nov 2018 14:51
 Operator : JU/SJ
 Sample : J5991-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 15:30:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

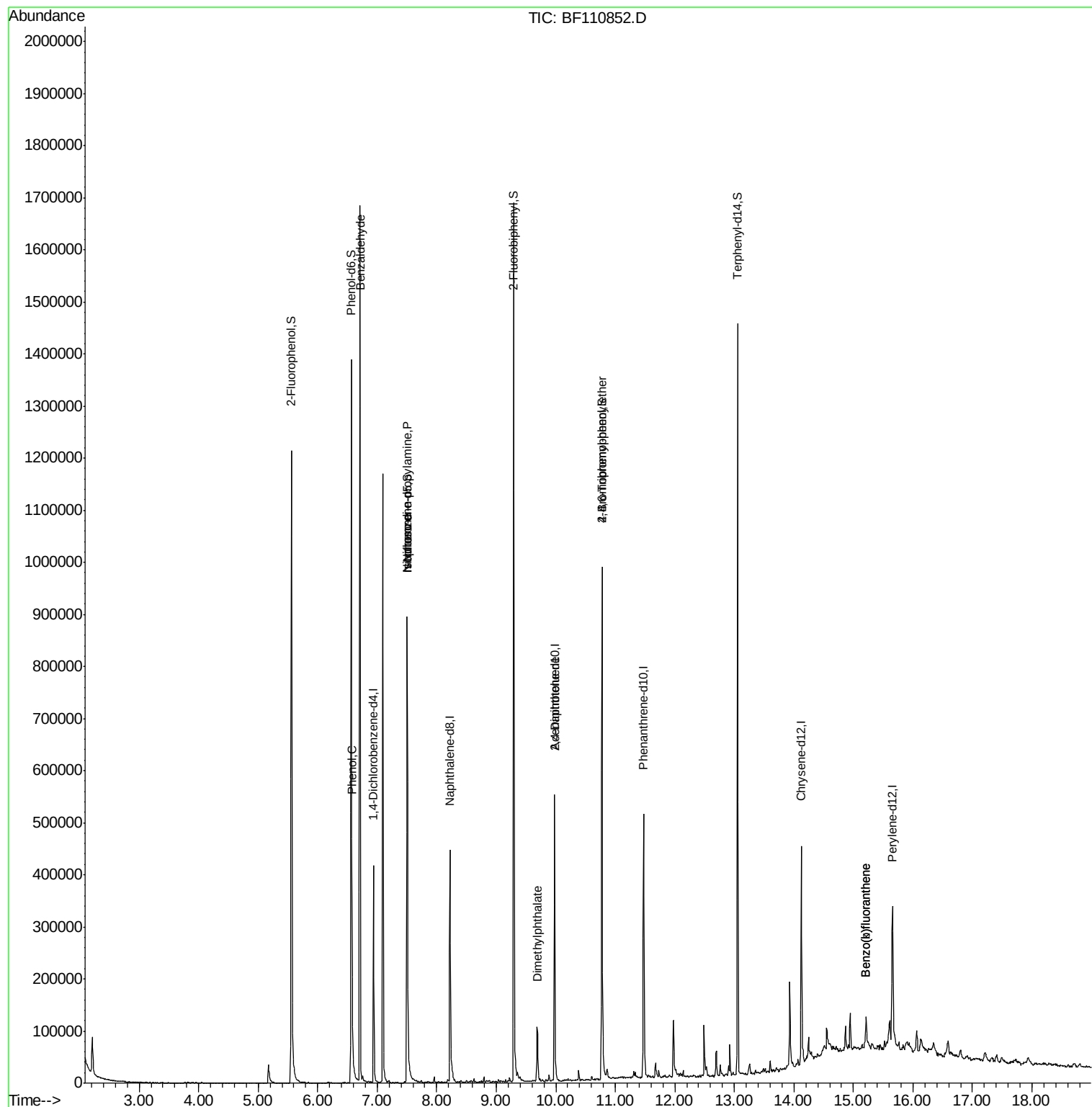
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	58507	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	244831	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	111373	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	199075	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	140801	20.00	ng	-0.01
87) Perylene-d12	15.66	264	129307	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	393575	109.27	ng	0.00
7) Phenol-d6	6.57	99	496278	107.75	ng	0.00
23) Nitrobenzene-d5	7.50	82	312230	73.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	120312	107.21	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	536714	68.83	ng	-0.01
79) Terphenyl-d14	13.06	244	442063	58.80	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.71	77	9551	2.115	ng	84
10) Phenol	6.58	94	23094	4.324	ng	# 72
19) n-Nitroso-di-n-propylamine	7.50	70	42537	14.468	ng	# 81
25) Isophorone	7.50	82	312228	44.809	ng	# 67
50) Dimethylphthalate	9.69	163	52582	6.327	ng	98
57) 2,4-Dinitrotoluene	9.98	165	14280	6.008	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	7251	3.296	ng	# 1
88) Benzo(b)fluoranthene	15.20	252	17249	2.230	ng	# 84
89) Benzo(k)fluoranthene	15.20	252	17249	2.257	ng	# 83

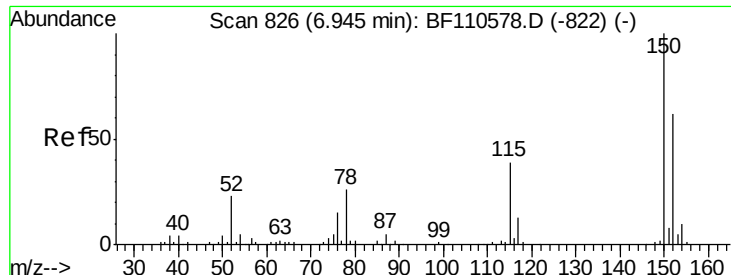
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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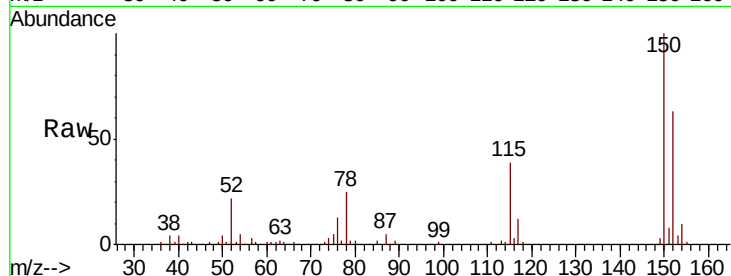


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	122.7	184.1
115	62.2	49.1	73.7

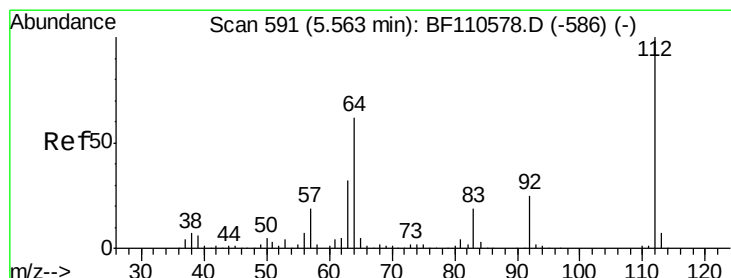
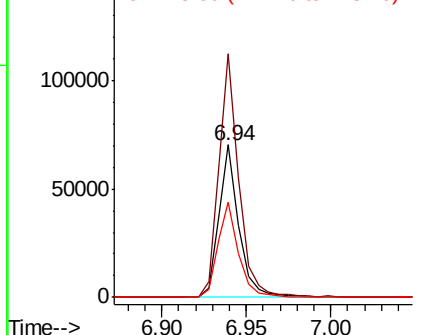
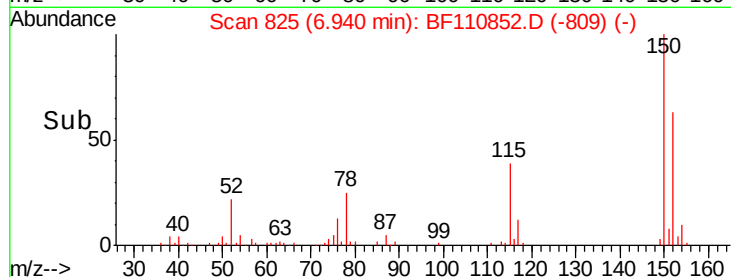


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

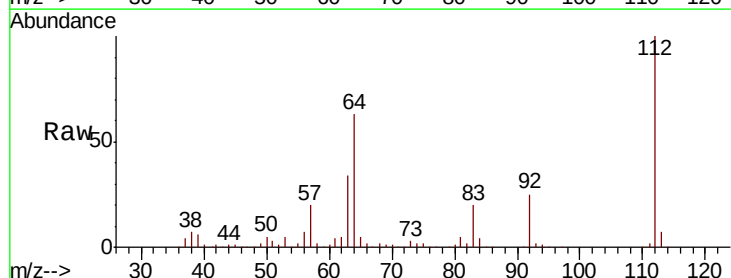
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.267 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	44.1	66.1
63	33.9	23.7	35.5

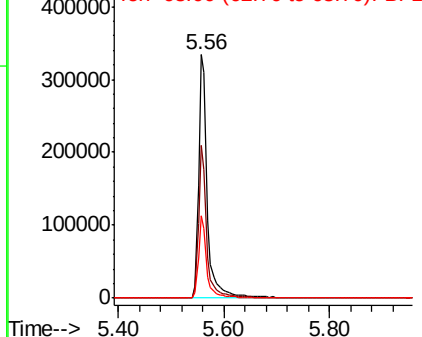
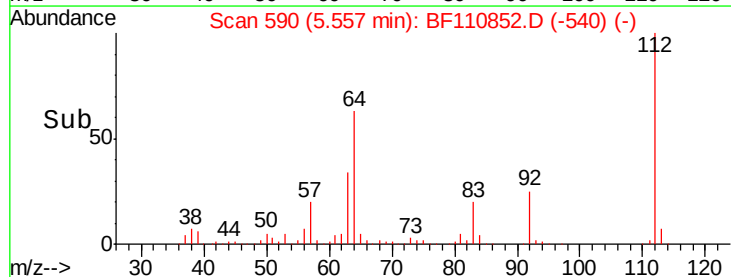


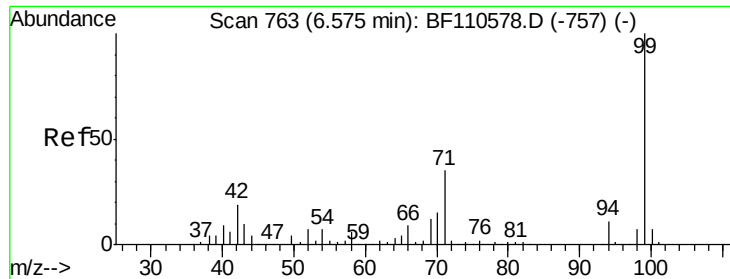
Abundance

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: 107.745 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Instrument :

BNA_F

ClientSampled :

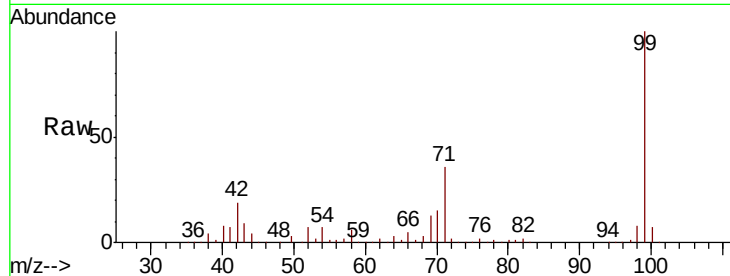
Tot Ion: 99 Resp: 496278

Ion Ratio Lower Upper

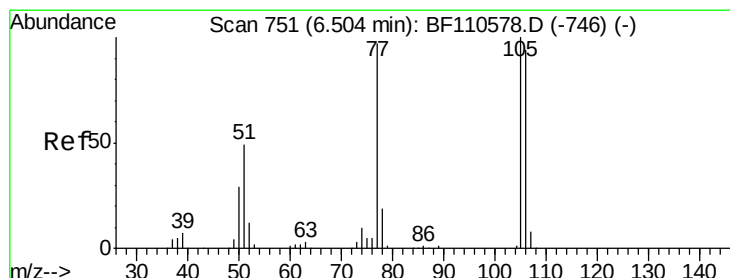
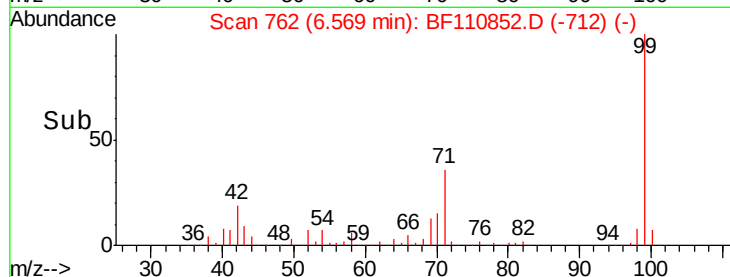
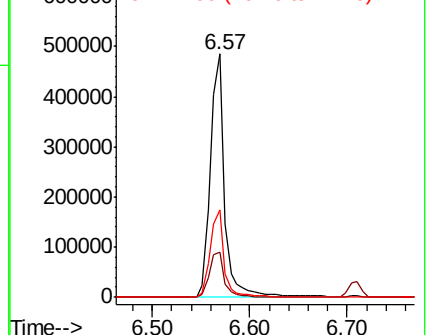
99 100

42 18.7 15.8 23.6

71 35.8 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: 2.115 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.21 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

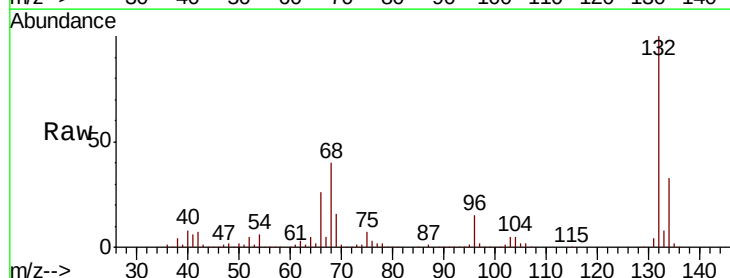
Tgt Ion: 77 Resp: 9551

Ion Ratio Lower Upper

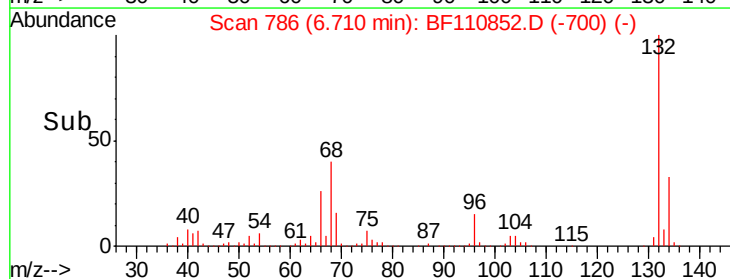
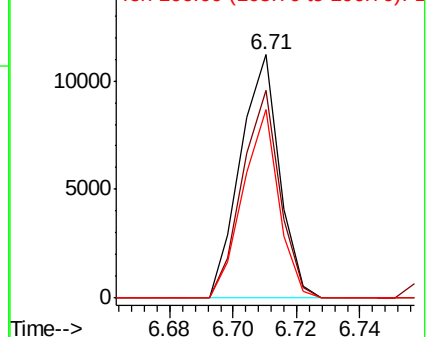
77 100

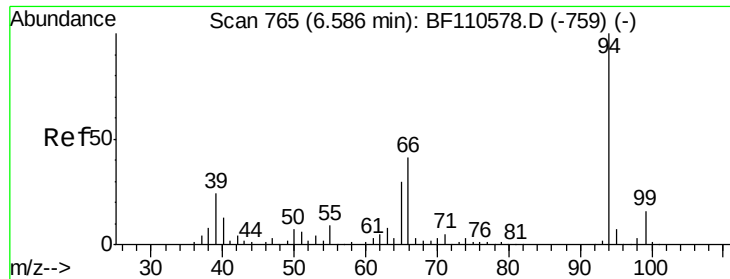
105 85.1 78.6 118.6

106 77.4 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: 4.324 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Instrument :

BNA_F

ClientSampled :

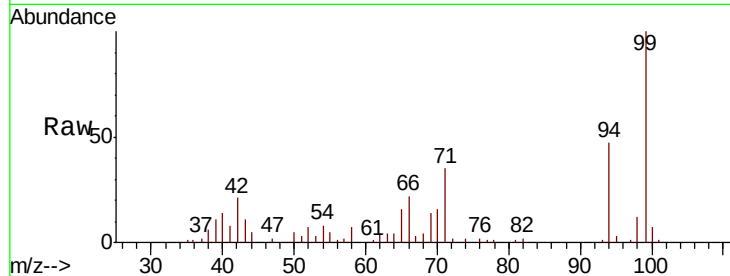
Tot Ion: 94 Resp: 23094

Ion Ratio Lower Upper

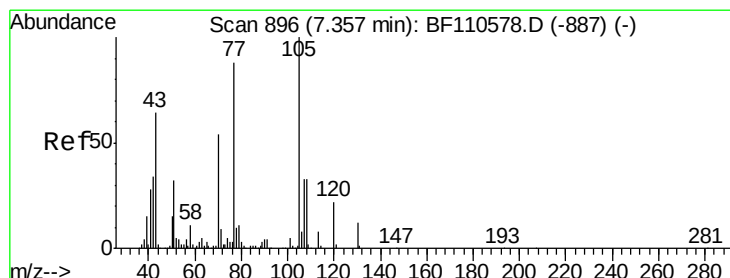
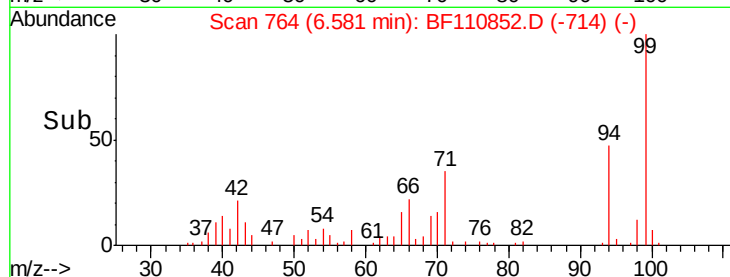
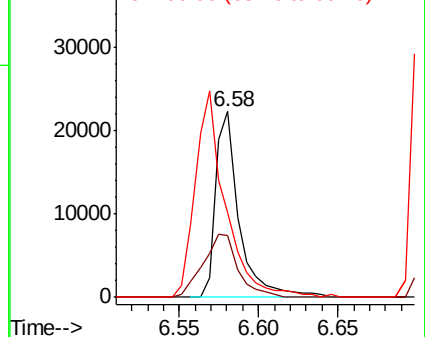
94 100

65 33.3 25.3 65.3

66 46.0 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: 14.468 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Tgt Ion: 70 Resp: 42537

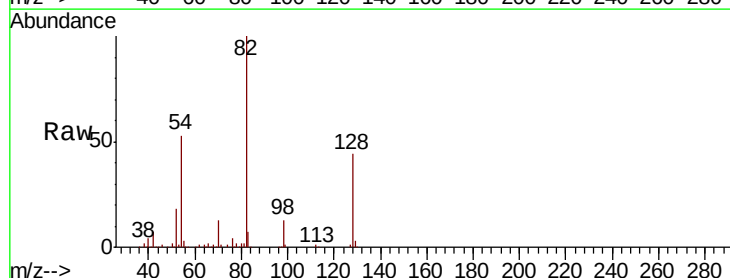
Ion Ratio Lower Upper

70 100

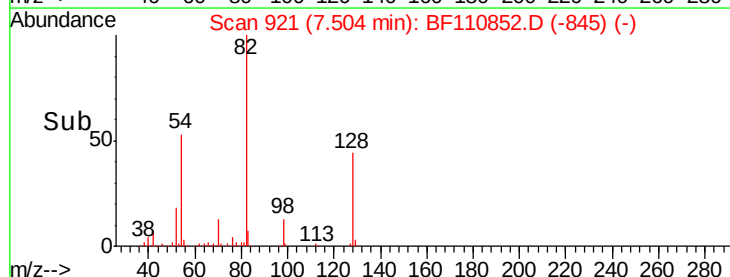
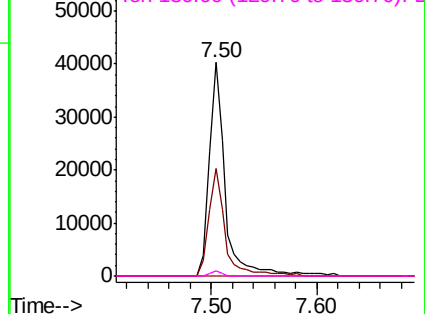
42 50.2 47.4 71.2

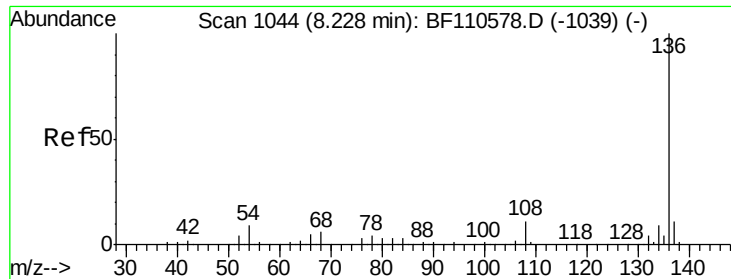
101 0.0 7.3 10.9#

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

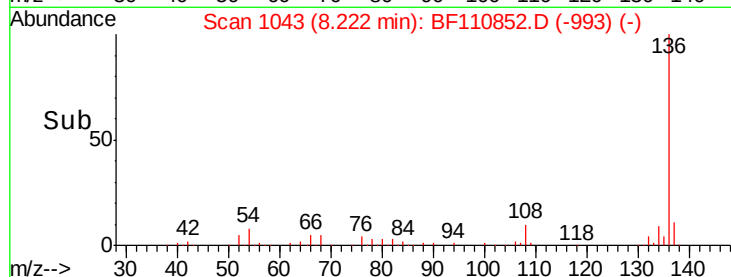
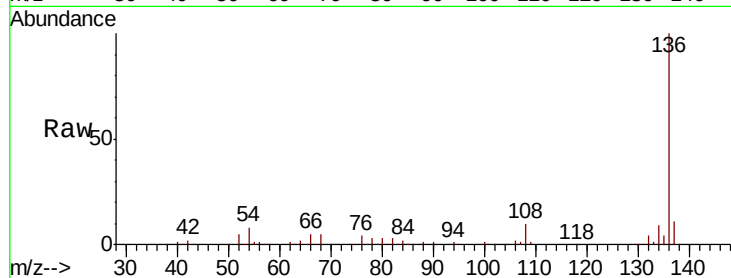




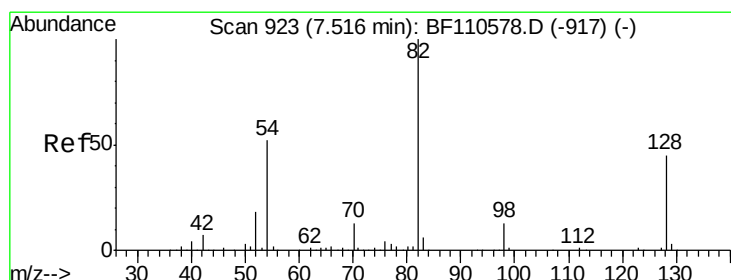
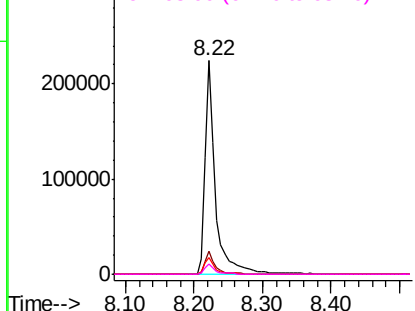
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	244831
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.9	5.4	8.2
68	4.9	4.2	6.2

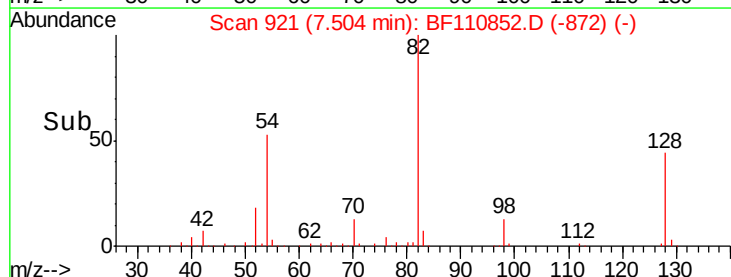
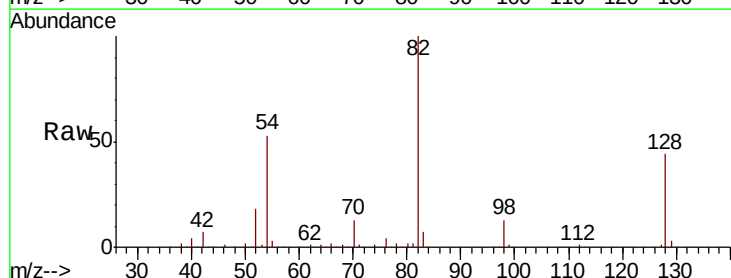


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

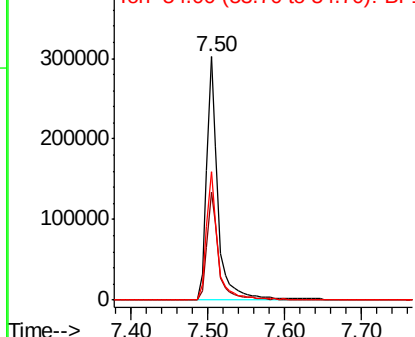


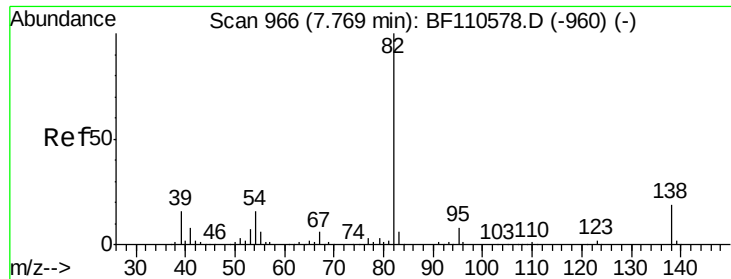
#23
Nitrobenzene-d5
Concen: 73.443 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Tgt Ion:	82	Resp:	312230
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.2	51.2
54	52.7	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: 44.809 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Instrument :

BNA_F

ClientSampleId :

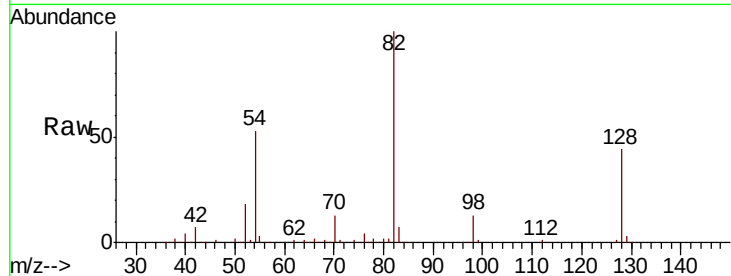
Tot Ion: 82 Resp: 312228

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

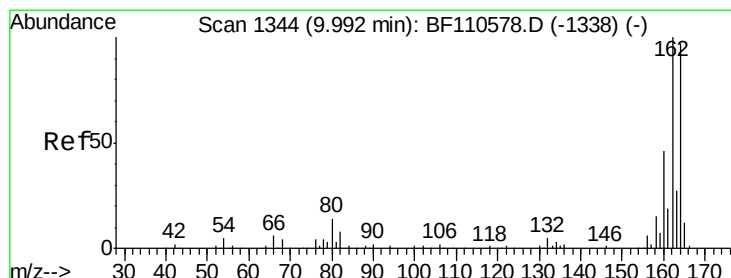
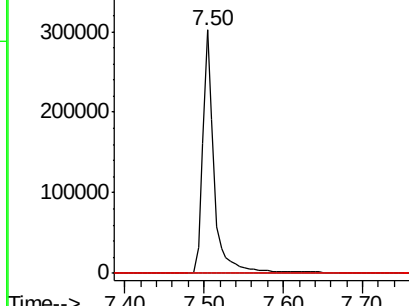
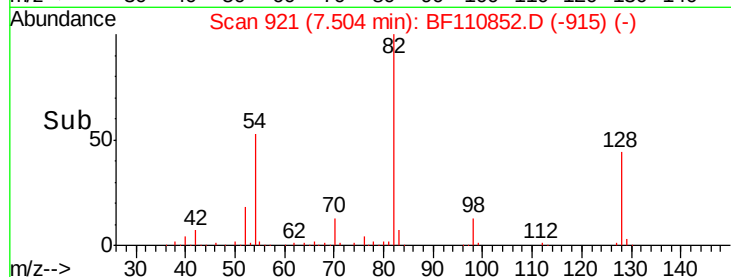
138 0.0 13.2 19.8#



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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

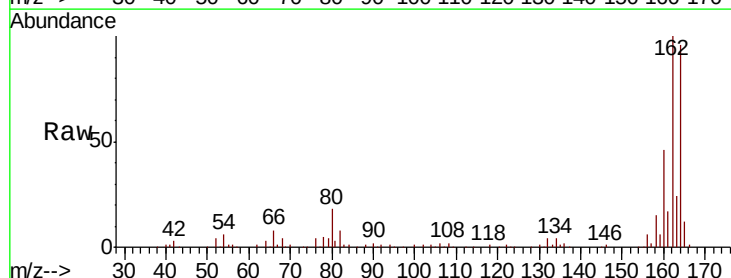
Tgt Ion: 164 Resp: 111373

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

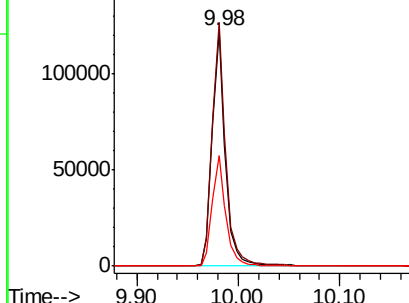
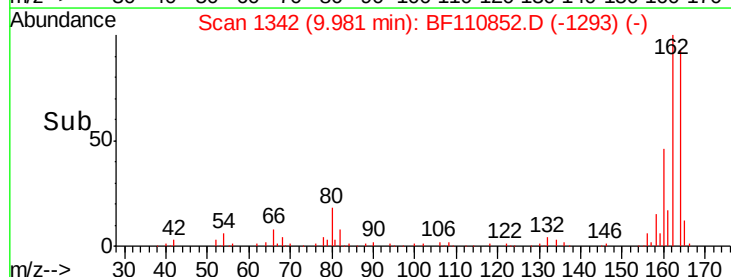
160 47.3 37.0 55.6

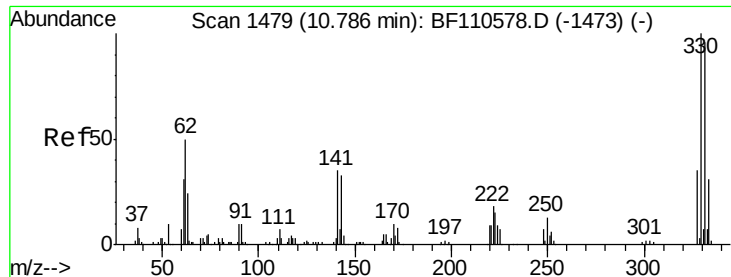


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 107.209 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Instrument :

BNA_F

ClientSampleId :

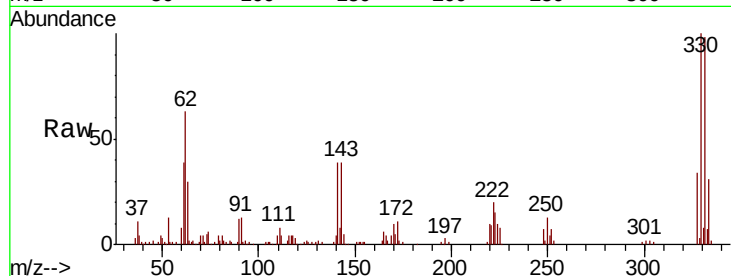
Tot Ion:330 Resp: 120312

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

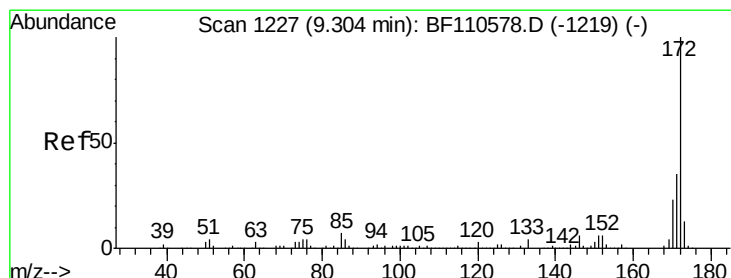
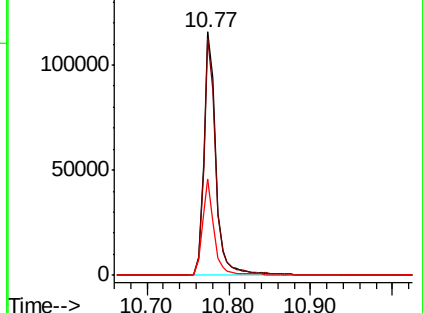
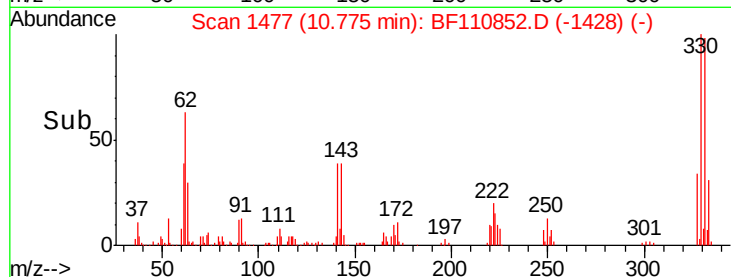
141 38.2 27.0 40.4



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: 68.825 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

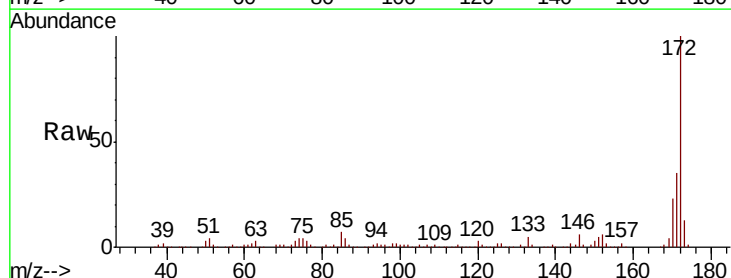
Tgt Ion:172 Resp: 536714

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

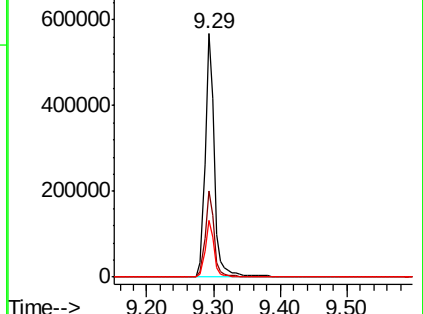
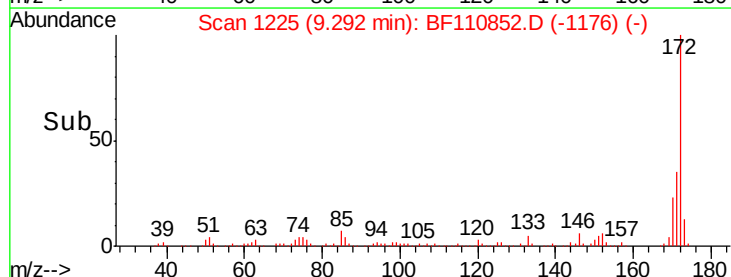
170 23.4 19.7 29.5

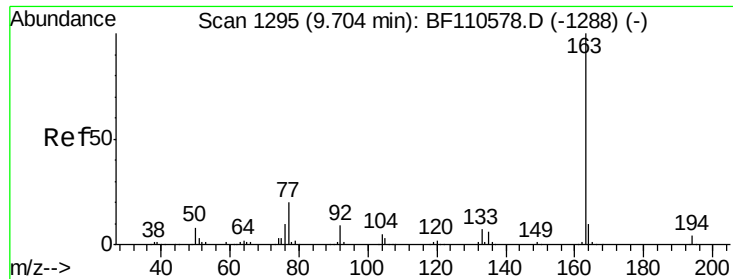


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

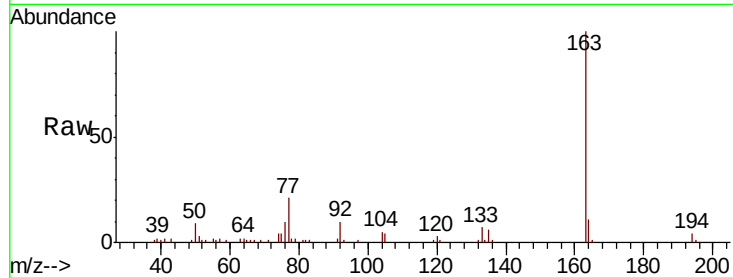




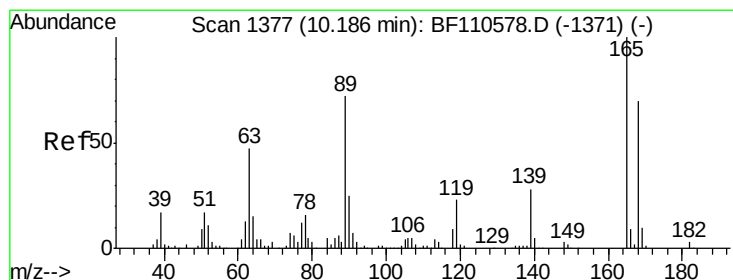
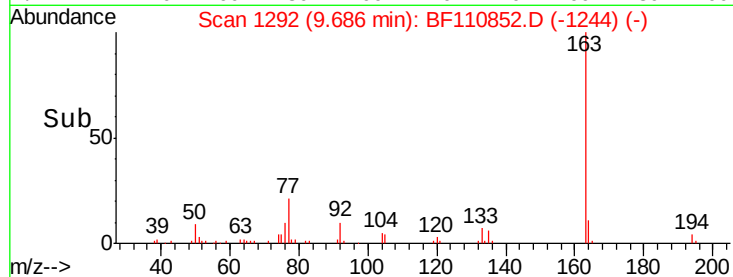
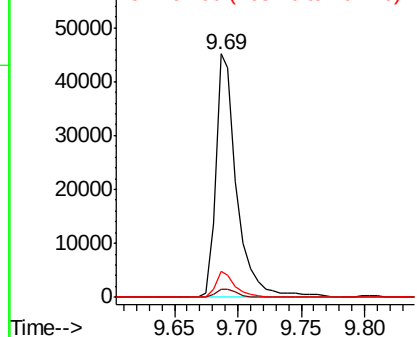
#50
Dimethylphthalate
Concen: 6.327 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 52582
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.7 8.1 12.1

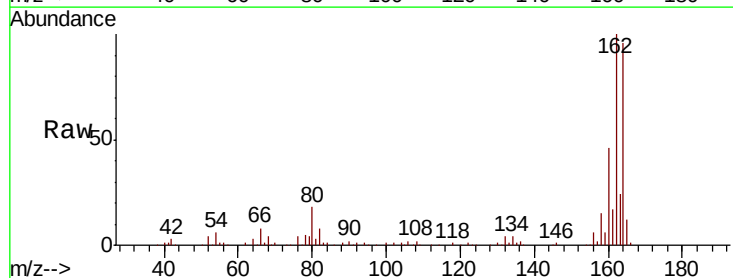


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

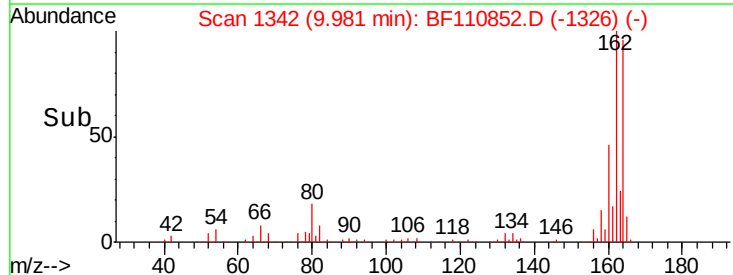
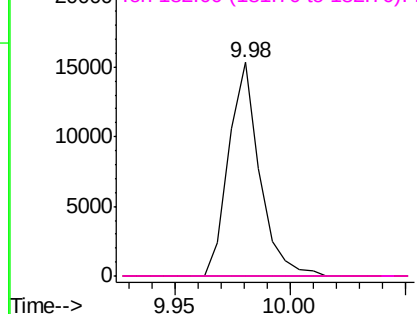


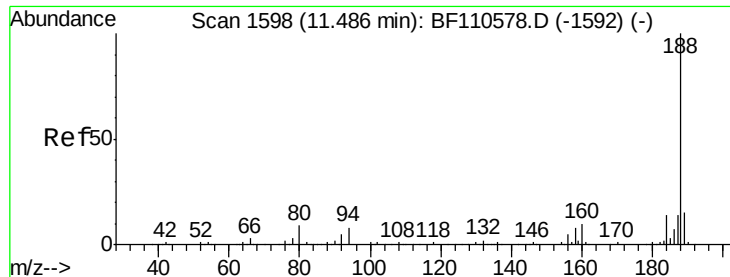
#57
2,4-Dinitrotoluene
Concen: 6.008 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Tgt Ion:165 Resp: 14280
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

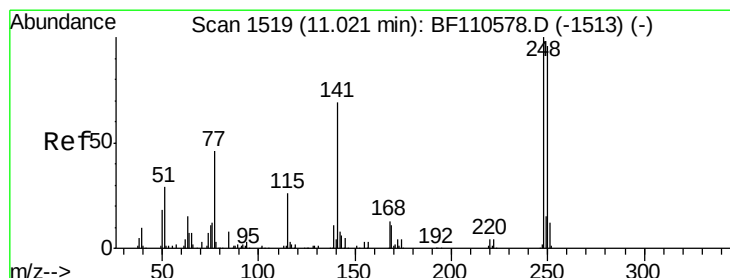
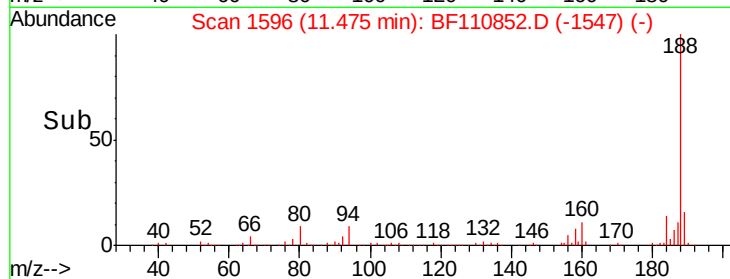
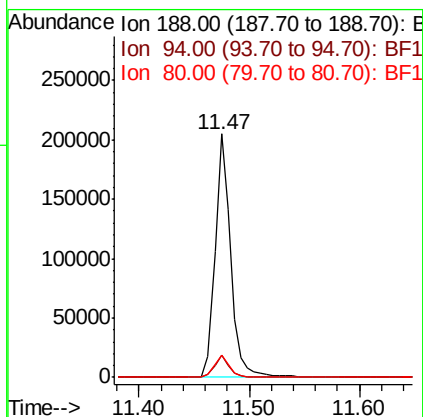
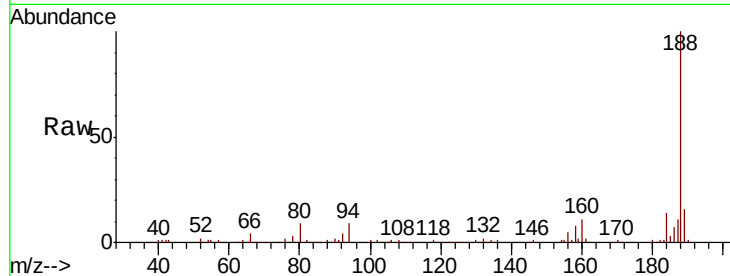




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

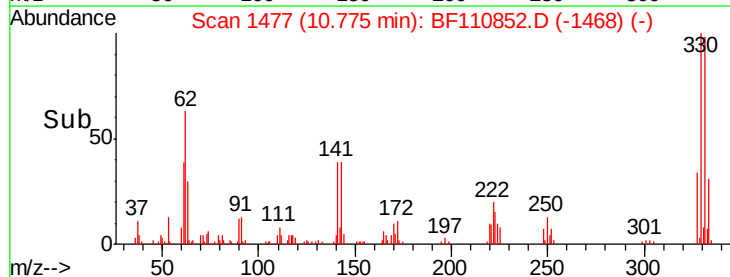
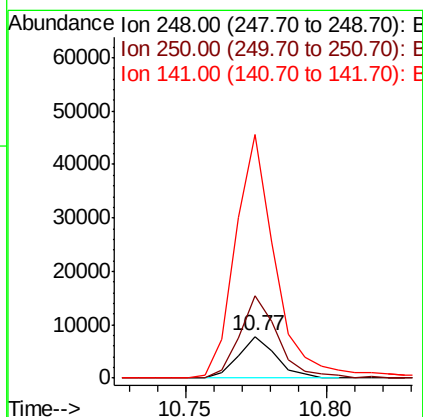
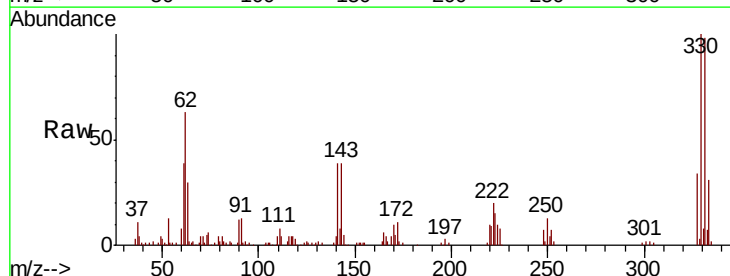
Instrument :
BNA_F
ClientSampleId :

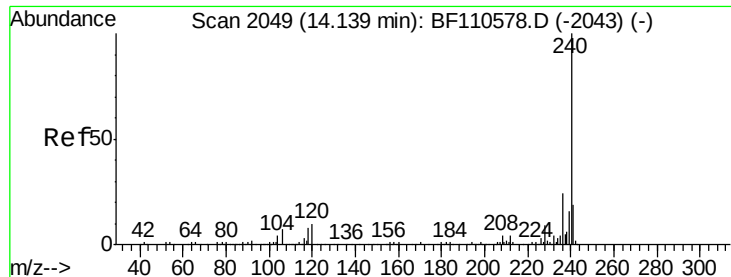
Tot Ion:188 Resp: 199075
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.296 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110852.D
Acq: 19 Nov 2018 14:51

Tgt Ion:248 Resp: 7251
Ion Ratio Lower Upper
248 100
250 196.5 79.4 119.2#
141 581.8 55.9 83.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Instrument :

BNA_F

ClientSampleId :

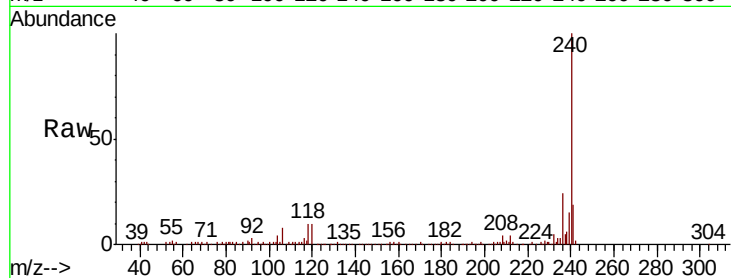
Tot Ion:240 Resp: 140801

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

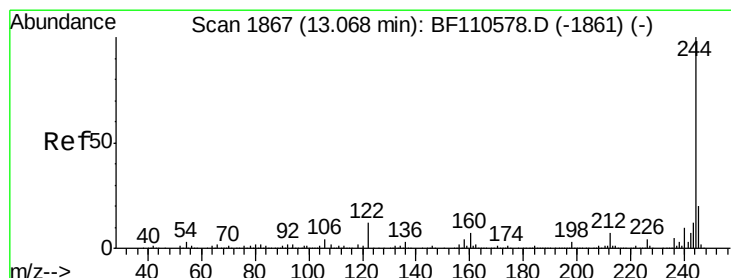
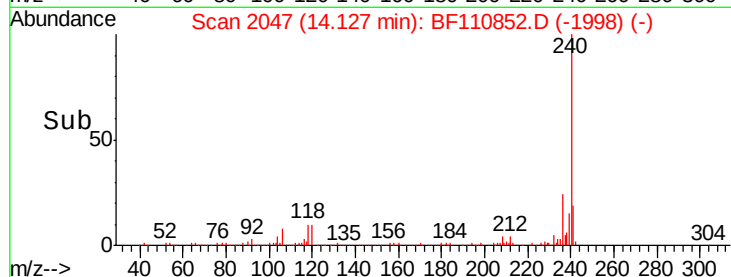
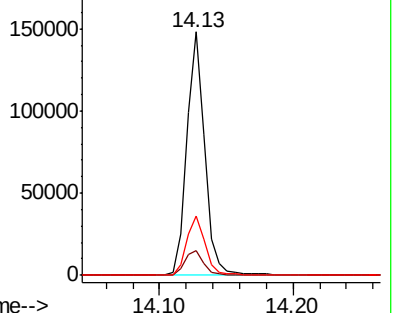
236 24.5 21.2 31.8



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: 58.798 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

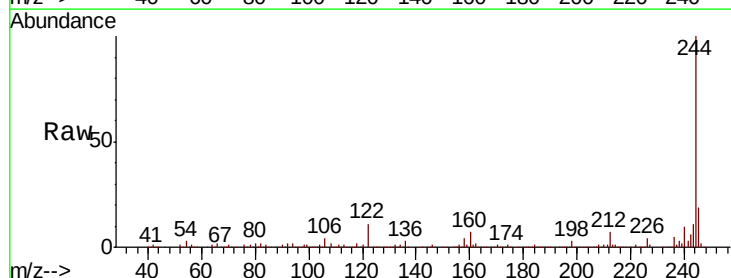
Tgt Ion:244 Resp: 442063

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

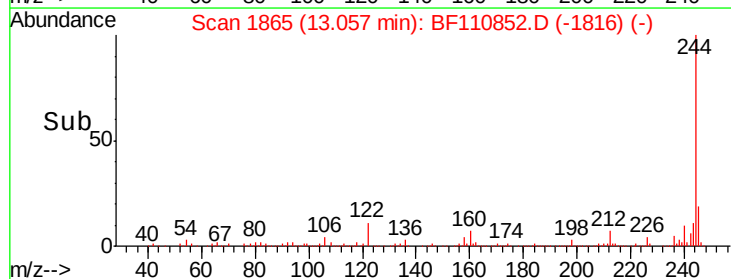
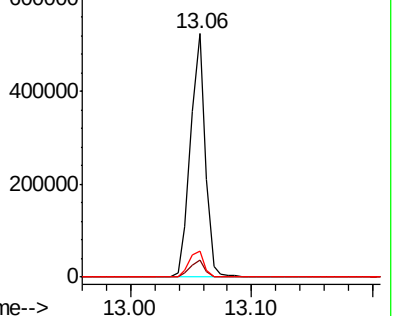
122 10.8 8.7 13.1

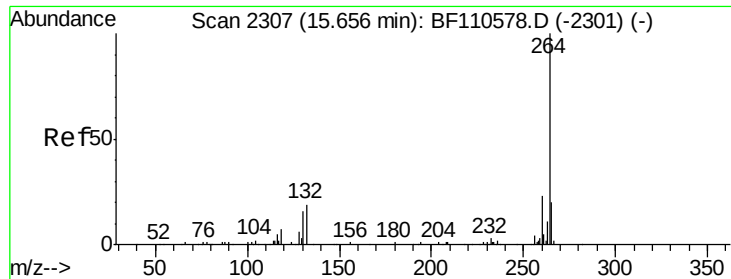


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

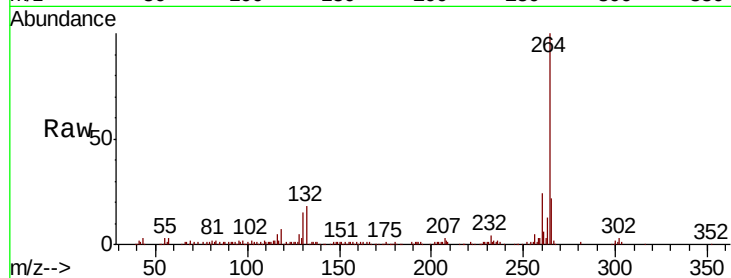
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 129307

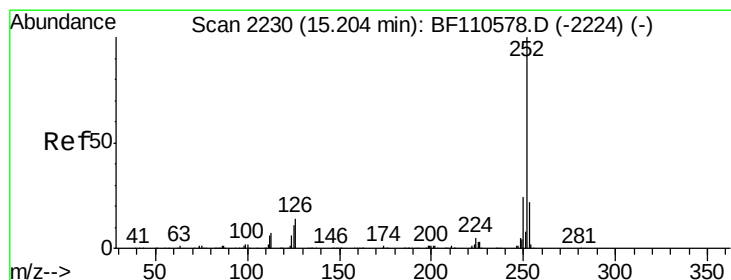
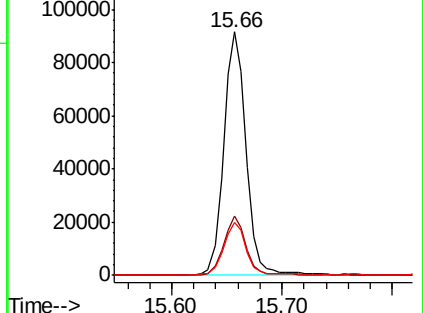
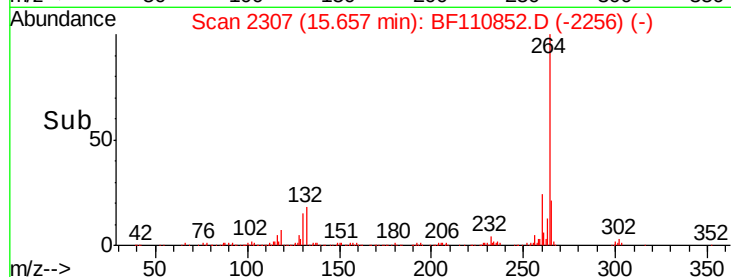
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.7	16.7	25.1



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



#88

Benzo(b)fluoranthene

Concen: 2.230 ng

RT: 15.20 min Scan# 2230

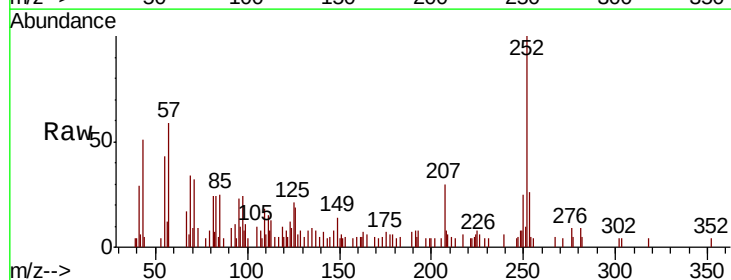
Delta R.T. 0.00 min

Lab File: BF110852.D

Acq: 19 Nov 2018 14:51

Tgt Ion:252 Resp: 17249

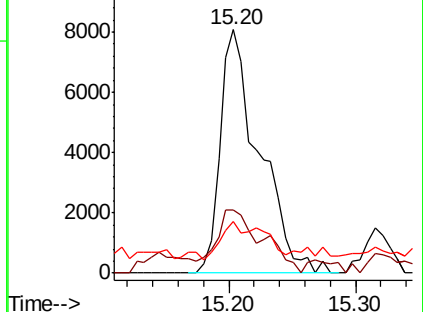
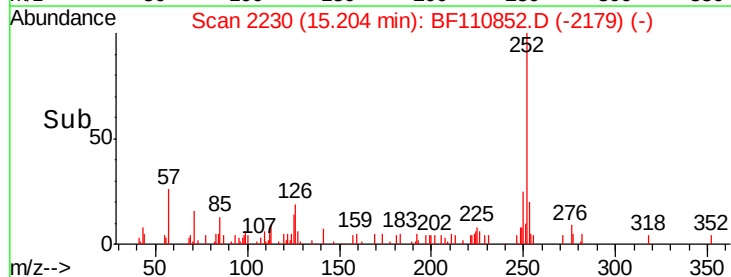
Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	21.4	8.2	12.4#

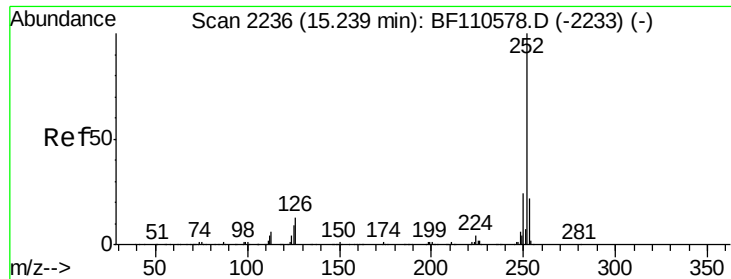


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 2.257 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.04 min
 Lab File: BF110852.D
 Acq: 19 Nov 2018 14:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	21.4	7.4	11.0#

