

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110640.D
 Acq On : 9 Nov 2018 21:09
 Operator : JU/SJ
 Sample : J5269-21
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:24:10 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

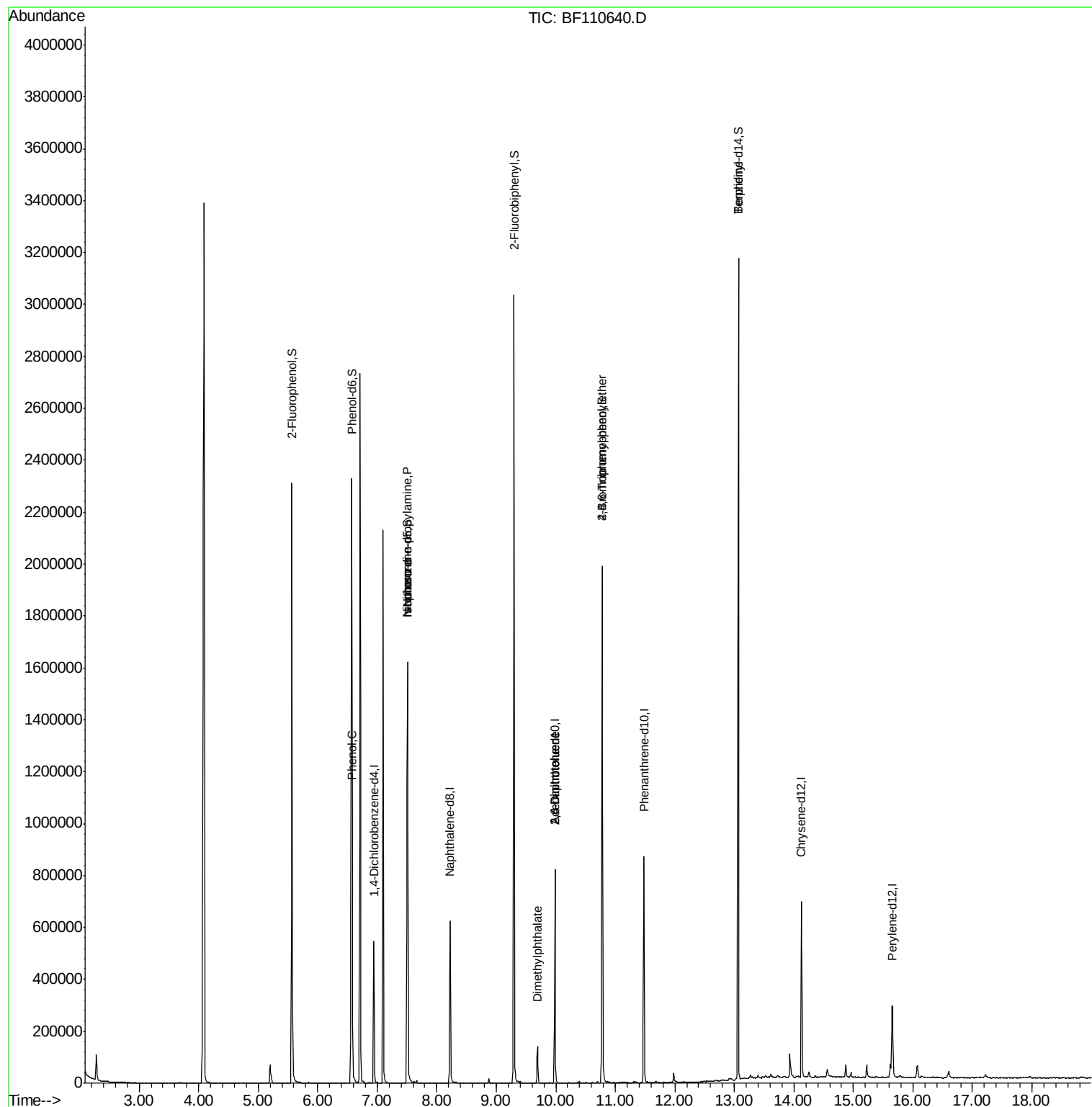
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	86602	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	350941	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	172964	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	343062	20.00	ng	0.00
76) Chrysene-d12	14.13	240	231712	20.00	ng	-0.01
87) Perylene-d12	15.66	264	144060	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	720697	135.17	ng	0.00
7) Phenol-d6	6.57	99	910269	133.51	ng	0.00
23) Nitrobenzene-d5	7.51	82	593034	97.32	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	245211	140.70	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1118968	92.39	ng	0.00
79) Terphenyl-d14	13.07	244	1136210	91.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	1787	Below Cal	Qvalue	# 1
10) Phenol	6.59	94	56786	7.183 ng	#	62
19) n-Nitroso-di-n-propylamine	7.51	70	77501	17.808 ng	#	78
25) Isophorone	7.51	82	593030	59.375 ng	#	67
50) Dimethylphthalate	9.69	163	62937	4.877 ng		100
51) 2,6-Dinitrotoluene	9.99	165	22196	7.818 ng	#	21
57) 2,4-Dinitrotoluene	9.99	165	22196	6.013 ng	#	17
67) 4-Bromophenyl-phenylether	10.78	248	15615	4.118 ng	#	1
77) Benzidine	13.07	184	15216	2.388 ng	#	96

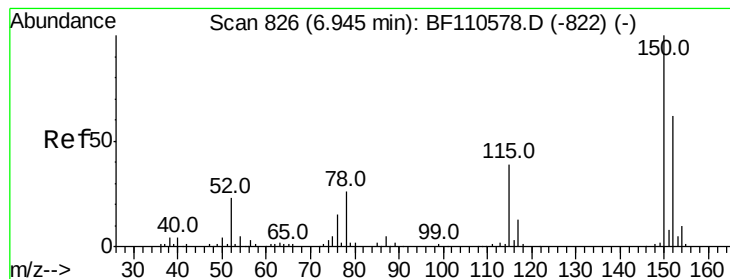
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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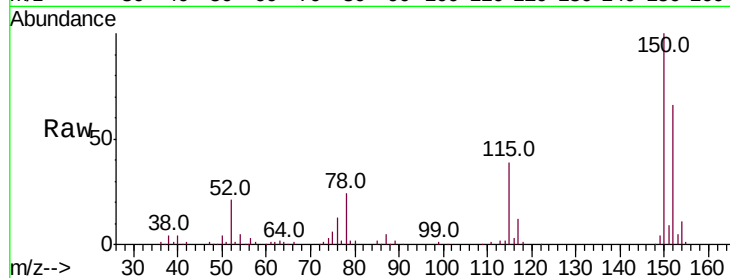


#1

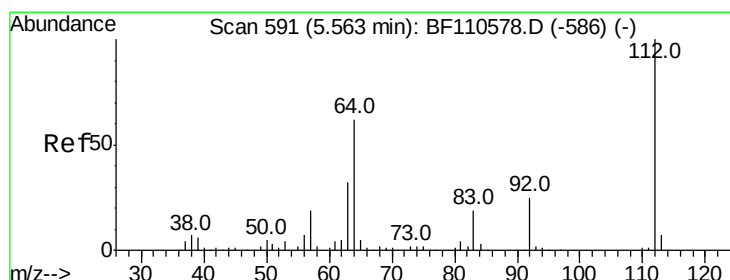
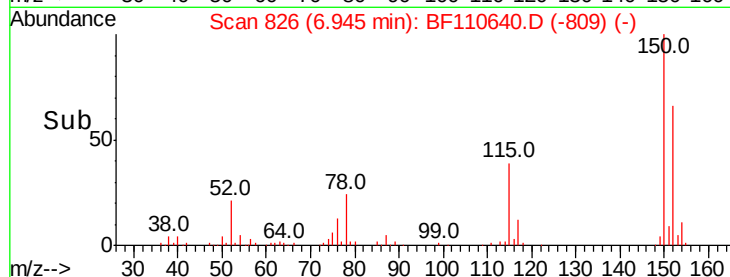
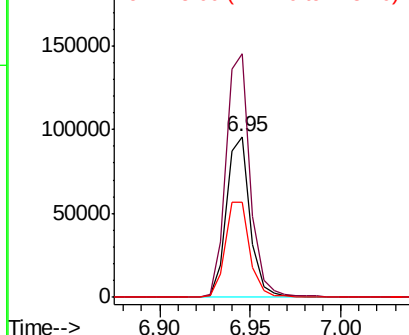
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110640.D
Acq: 9 Nov 2018 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86602
Ion Ratio Lower Upper
152 100
150 151.7 122.7 184.1
115 59.4 49.1 73.7



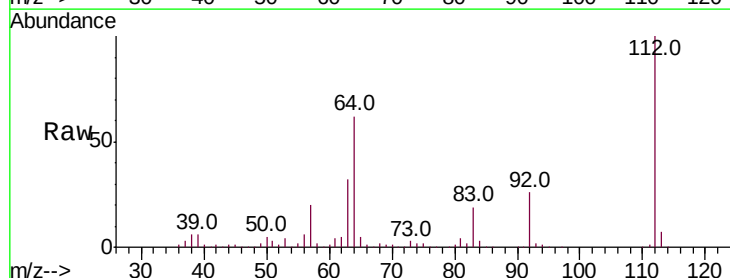
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



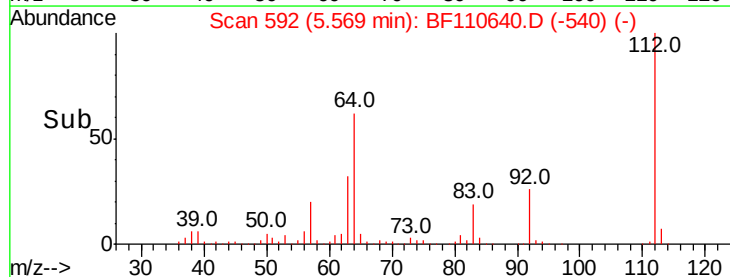
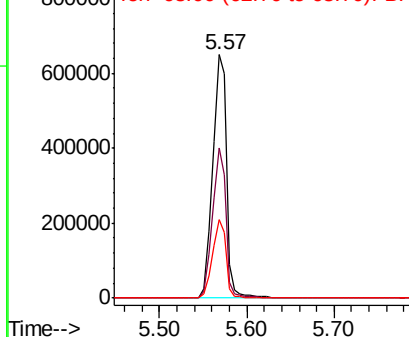
#5

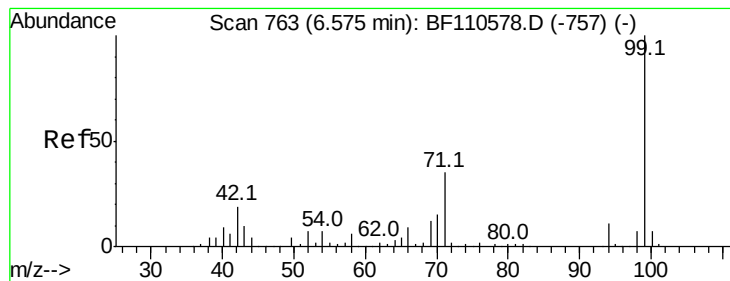
2-Fluorophenol
Concen: 135.175 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110640.D
Acq: 9 Nov 2018 21:09

Tgt Ion:112 Resp: 720697
Ion Ratio Lower Upper
112 100
64 61.7 44.1 66.1
63 32.3 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: 133.513 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

Instrument :

BNA_F

ClientSampled :

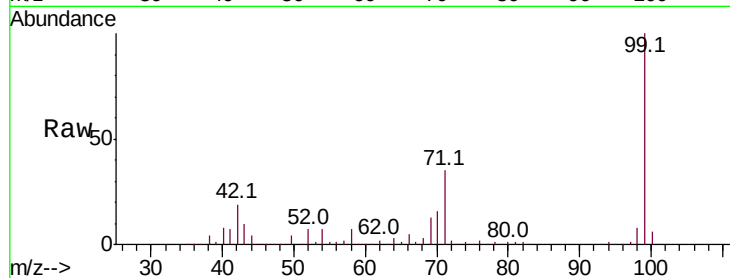
Tot Ion: 99 Resp: 910269

Ion Ratio Lower Upper

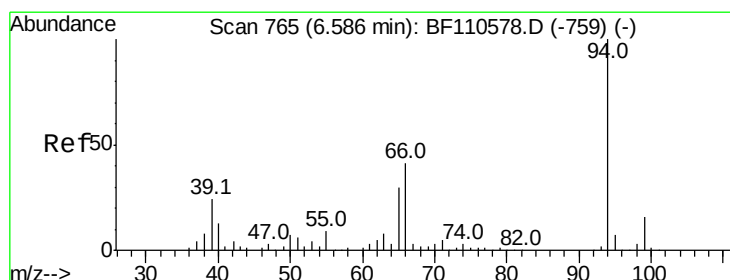
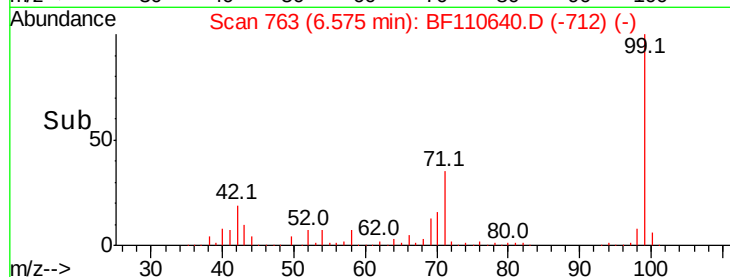
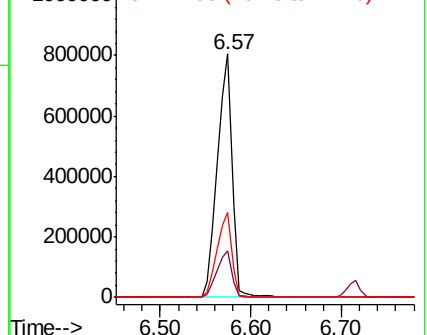
99 100

42 19.2 15.8 23.6

71 34.8 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



#10

Phenol

Concen: 7.183 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

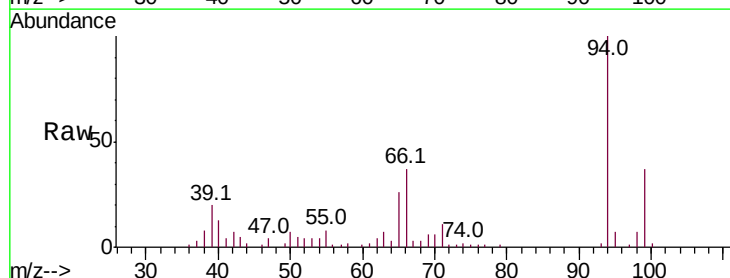
Tgt Ion: 94 Resp: 56786

Ion Ratio Lower Upper

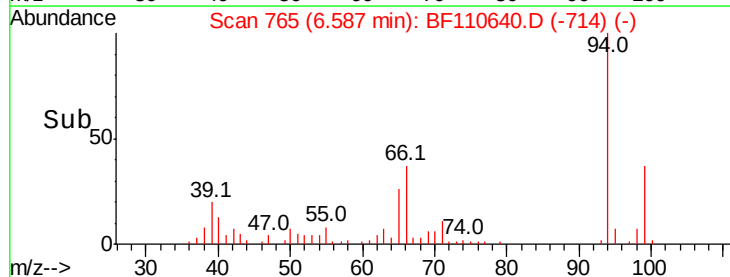
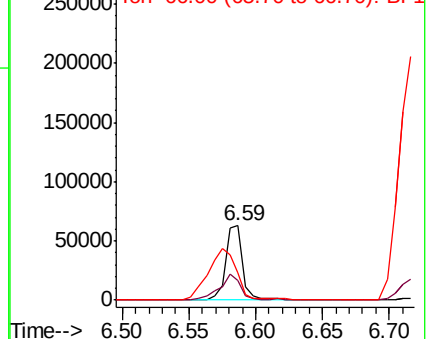
94 100

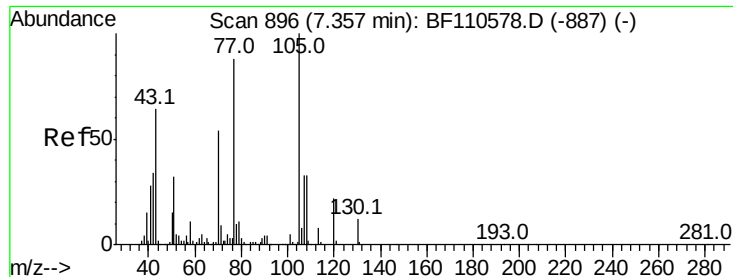
65 26.0 25.3 65.3

66 37.4 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: 17.808 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 77501

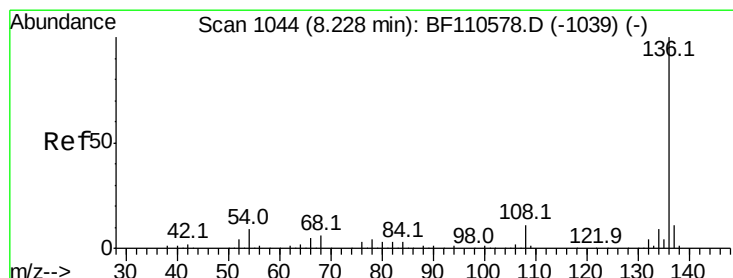
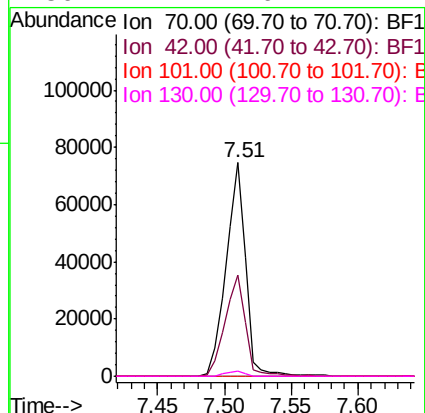
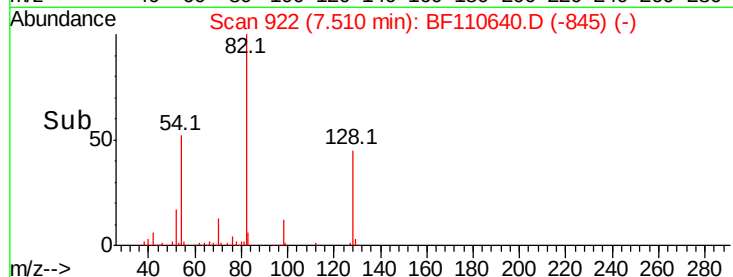
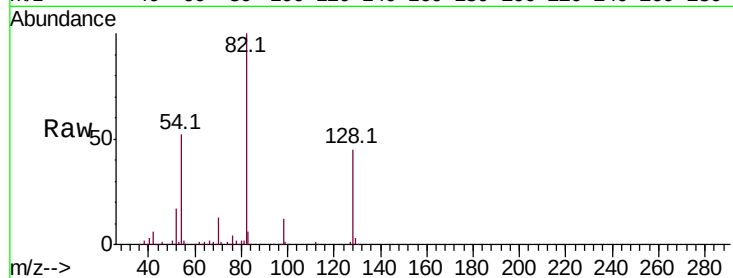
Ion Ratio Lower Upper

70 100

42 47.1 47.4 71.2#

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

Tgt Ion: 136 Resp: 350941

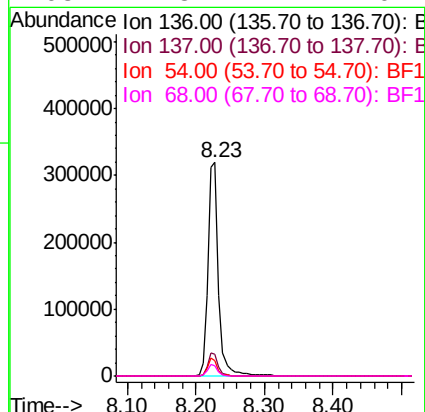
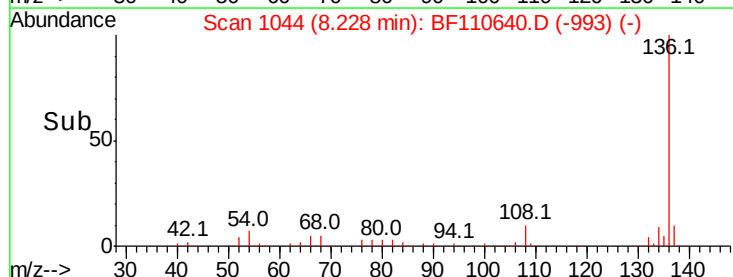
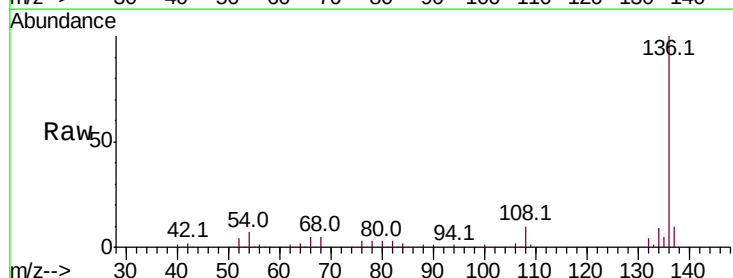
Ion Ratio Lower Upper

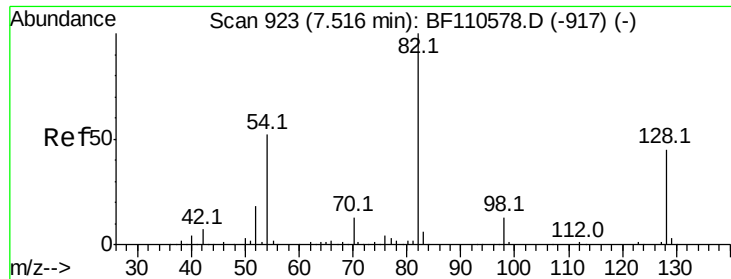
136 100

137 10.4 8.8 13.2

54 7.4 5.4 8.2

68 4.8 4.2 6.2

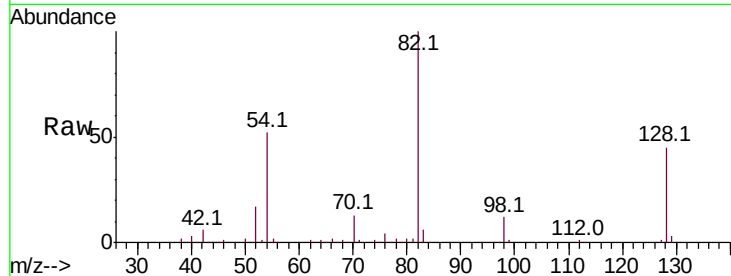




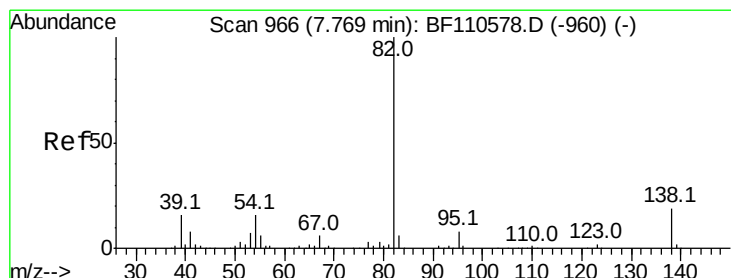
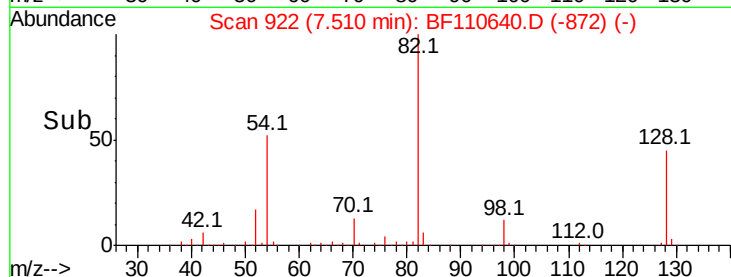
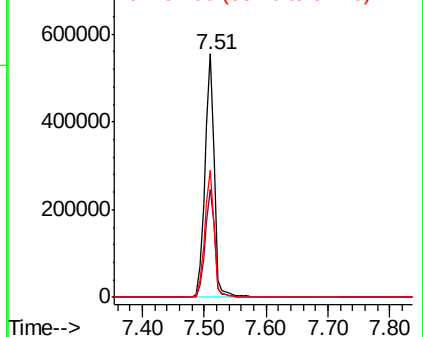
#23
 Nitrobenzene-d5
 Concen: 97.317 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110640.D
 Acq: 9 Nov 2018 21:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	593034
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.2	51.2
54	52.5	38.6	58.0

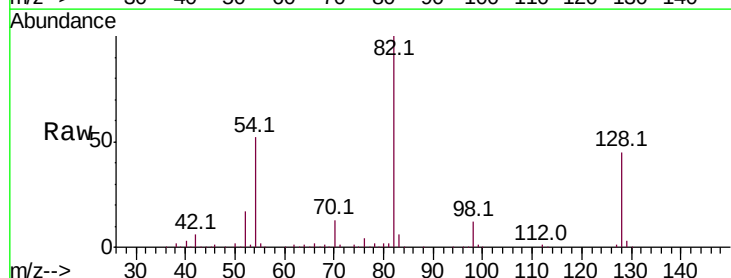


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

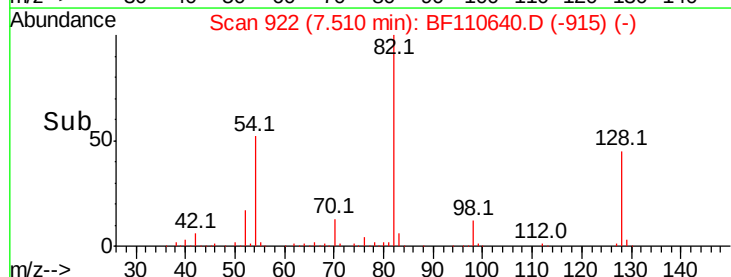
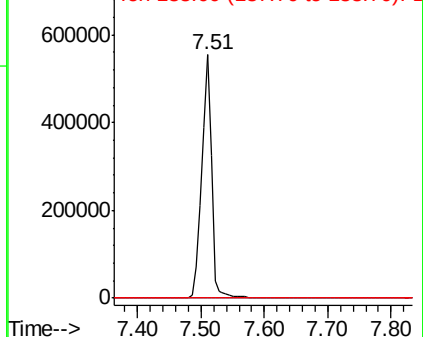


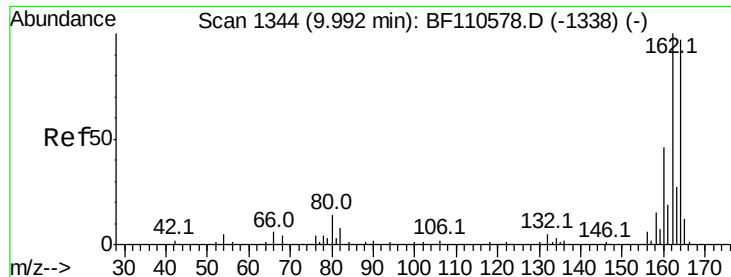
#25
 Isophorone
 Concen: 59.375 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110640.D
 Acq: 9 Nov 2018 21:09

Tgt Ion	82	Resp	593030
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

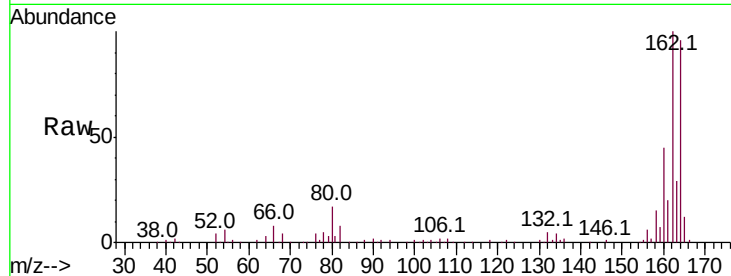




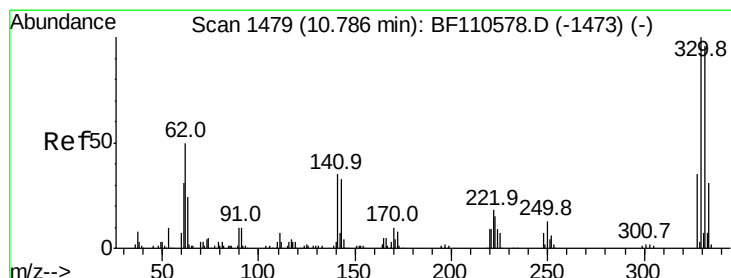
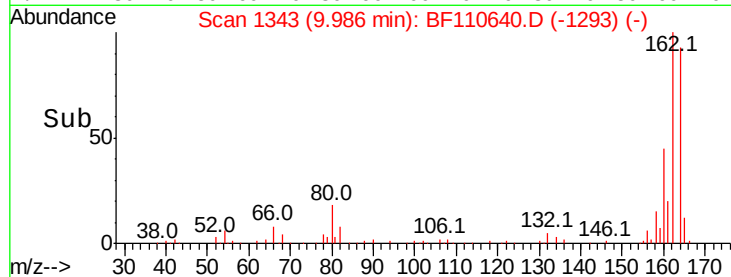
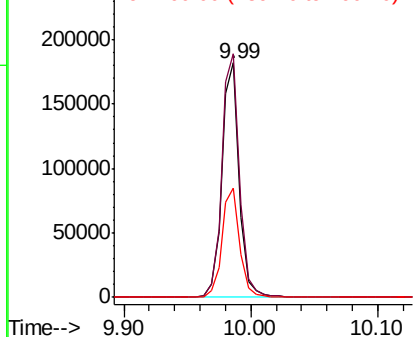
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110640.D
Acq: 9 Nov 2018 21:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 172964
Ion Ratio Lower Upper
164 100
162 103.9 83.0 124.6
160 46.4 37.0 55.6

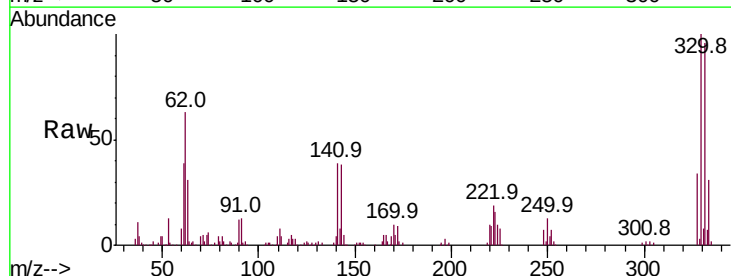


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

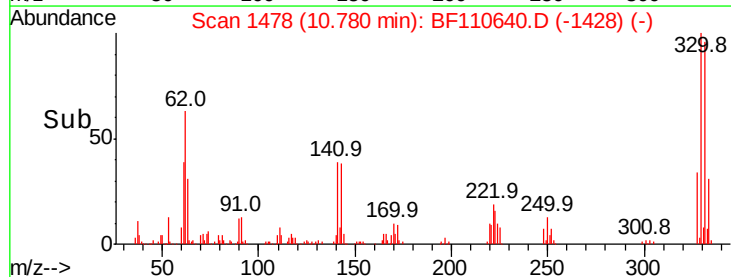
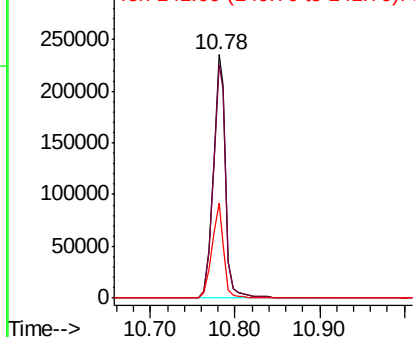


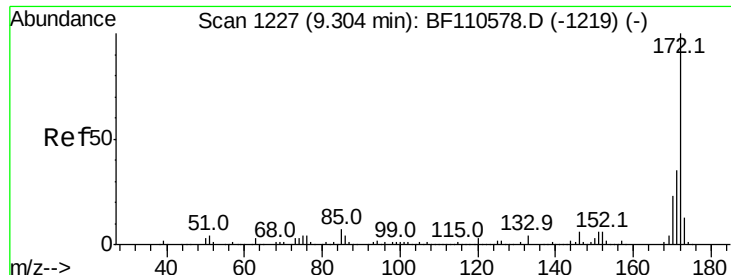
#42
2,4,6-Tribromophenol
Concen: 140.697 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110640.D
Acq: 9 Nov 2018 21:09

Tgt Ion:330 Resp: 245211
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 37.0 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

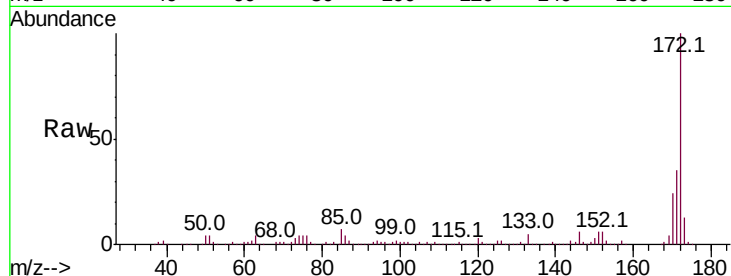




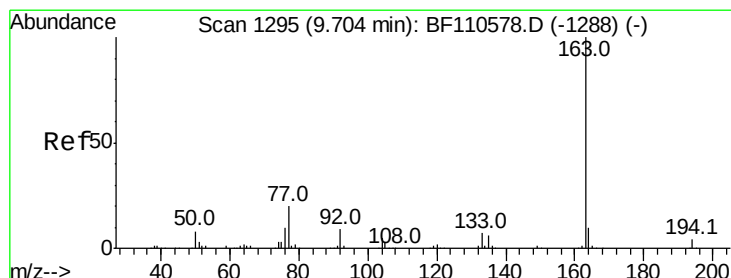
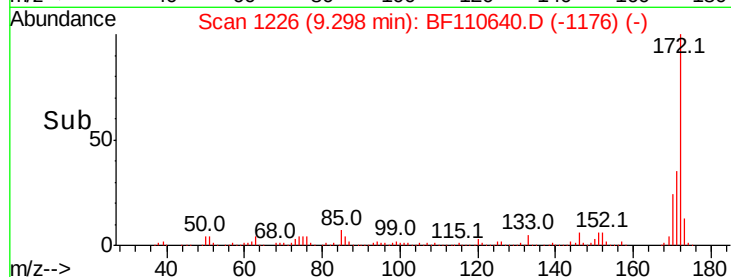
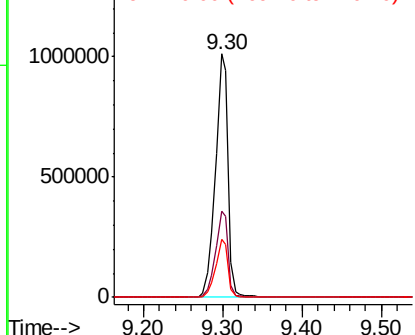
#45
2-Fluorobiphenyl
Concen: 92.394 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110640.D
Acq: 9 Nov 2018 21:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1118968
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.7 19.7 29.5

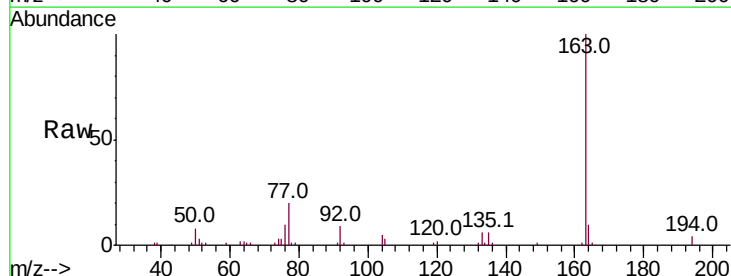


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

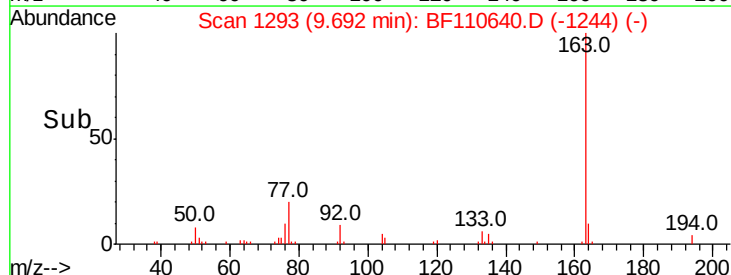
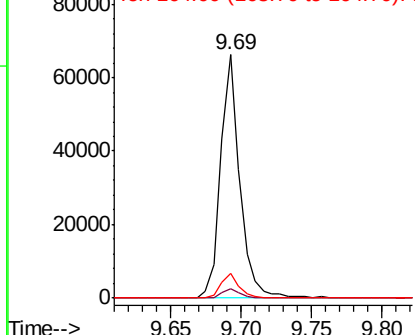


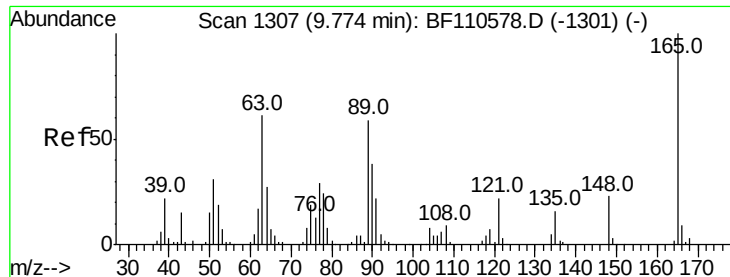
#50
Dimethylphthalate
Concen: 4.877 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110640.D
Acq: 9 Nov 2018 21:09

Tgt Ion:163 Resp: 62937
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.0 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

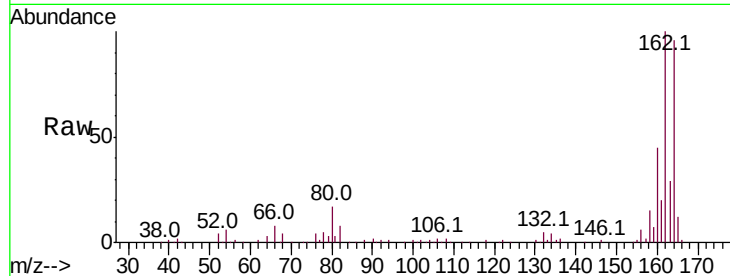




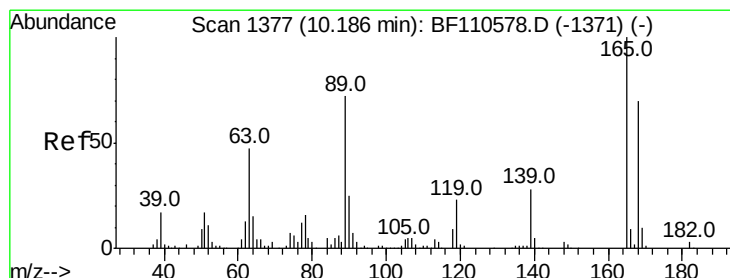
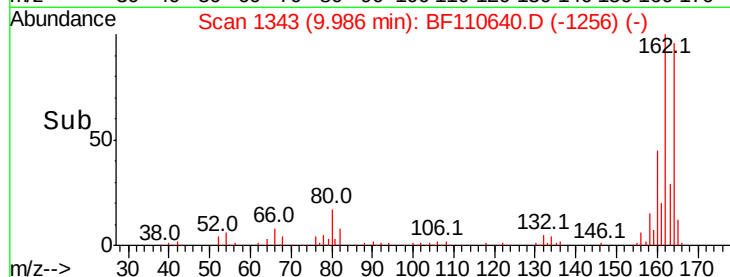
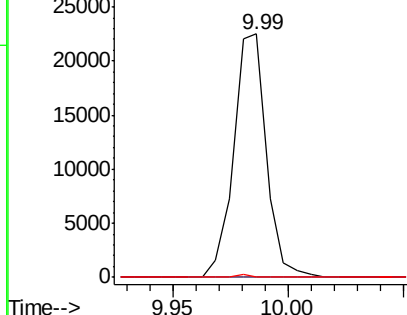
#51
 2,6-Dinitrotoluene
 Concen: 7.818 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110640.D
 Acq: 9 Nov 2018 21:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



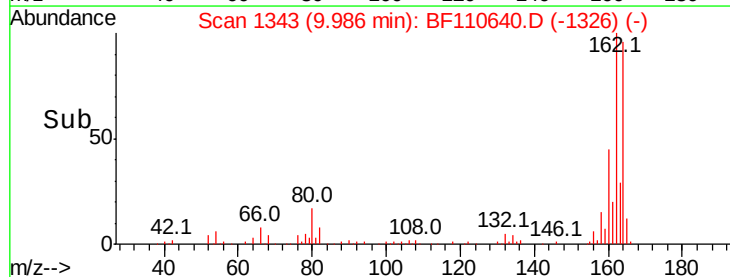
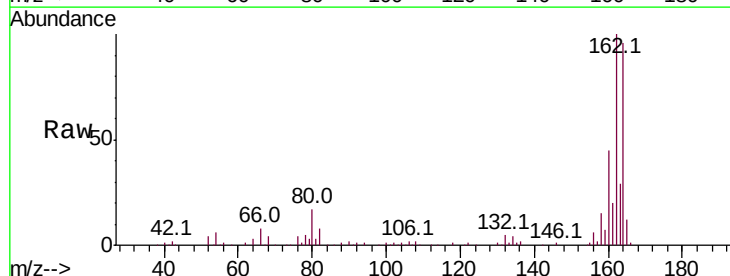
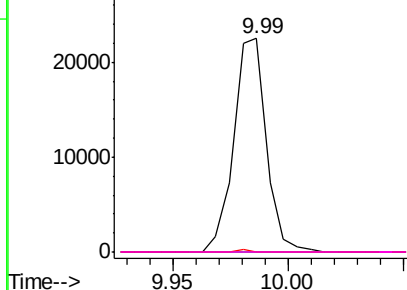
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

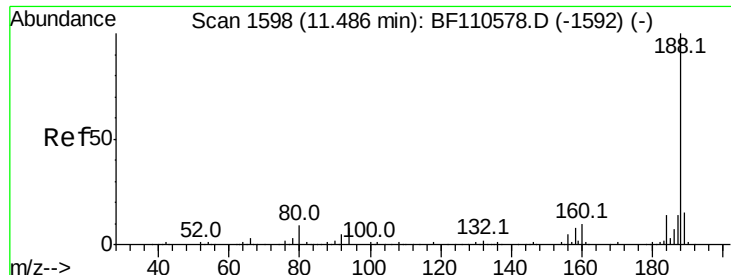


#57
 2,4-Dinitrotoluene
 Concen: 6.013 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110640.D
 Acq: 9 Nov 2018 21:09

Tgt 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: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

Instrument :

BNA_F

ClientSampled :

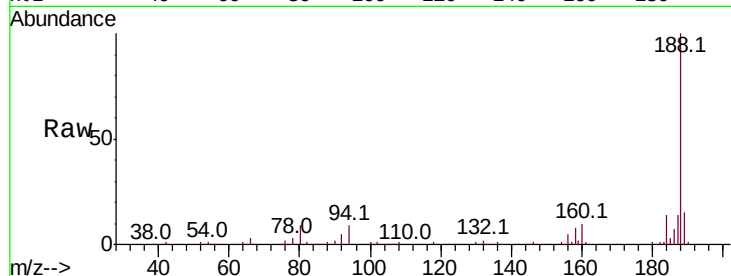
Tot Ion:188 Resp: 343062

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

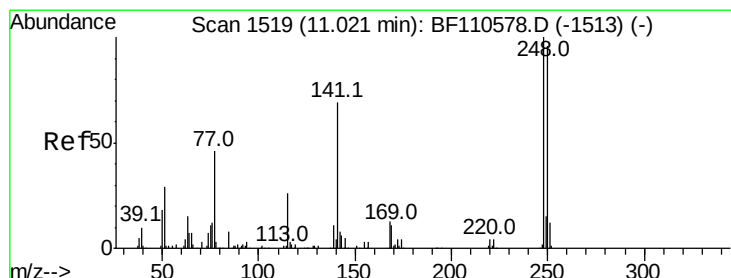
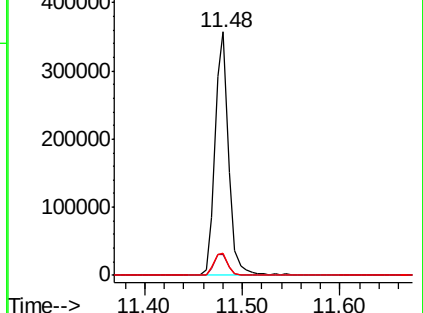
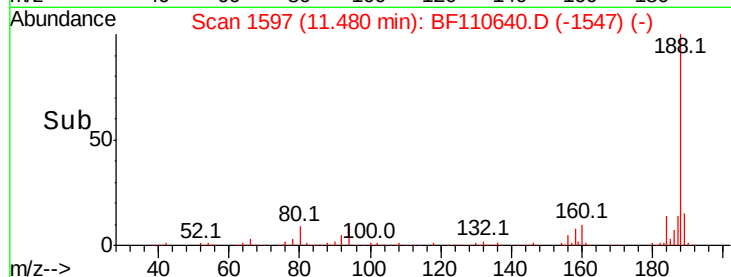
80 9.1 7.9 11.9



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: 4.118 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.24 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

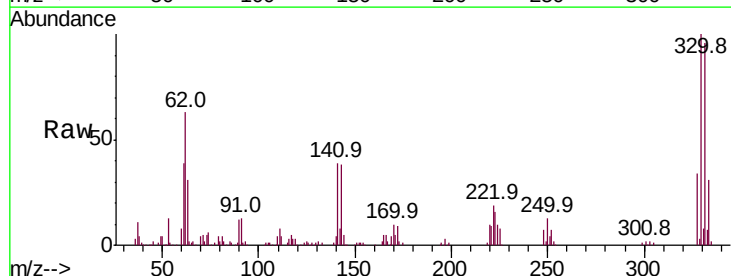
Tgt Ion:248 Resp: 15615

Ion Ratio Lower Upper

248 100

250 194.2 79.4 119.2#

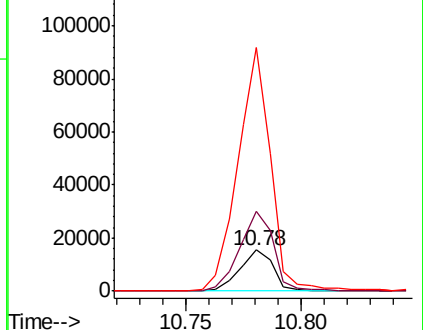
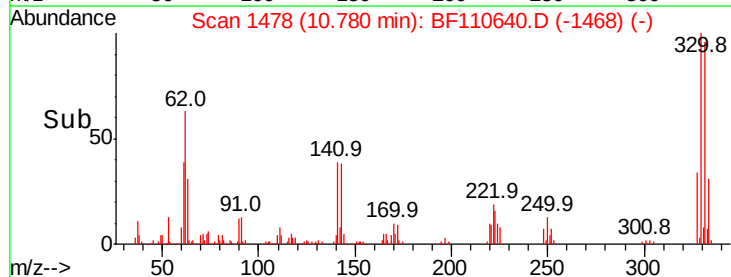
141 595.0 55.9 83.9#

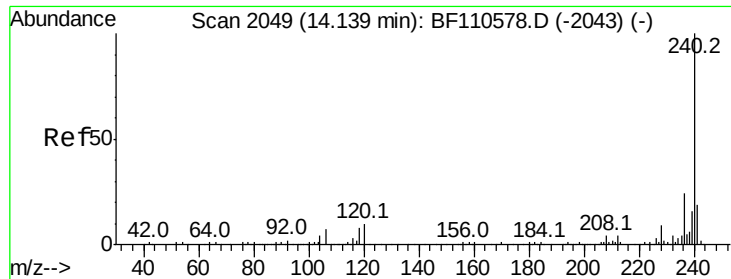


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

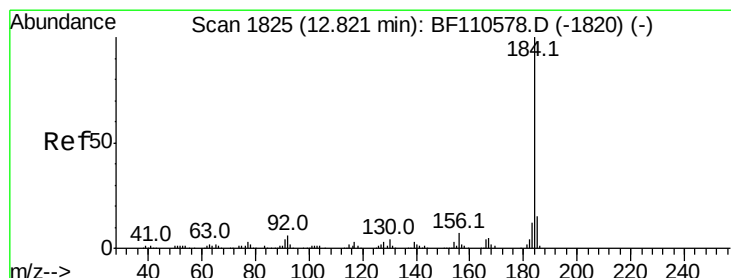
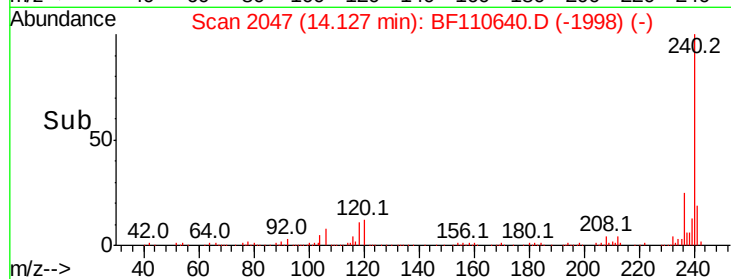
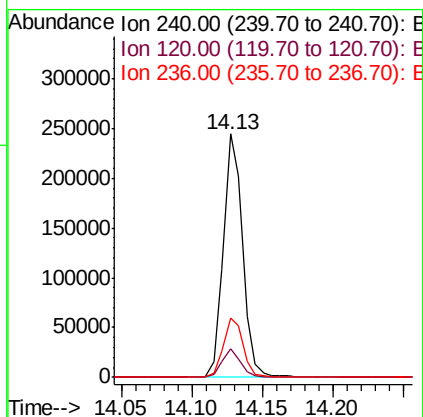
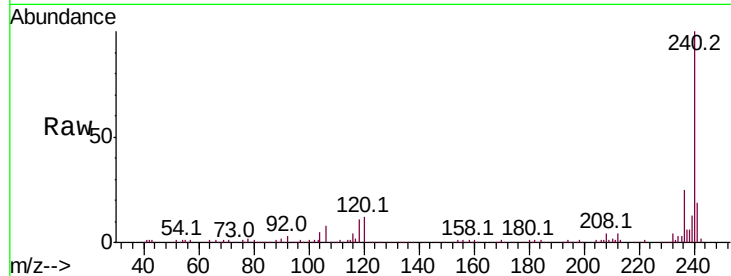




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: BF110640.D
 Acq: 9 Nov 2018 21:09

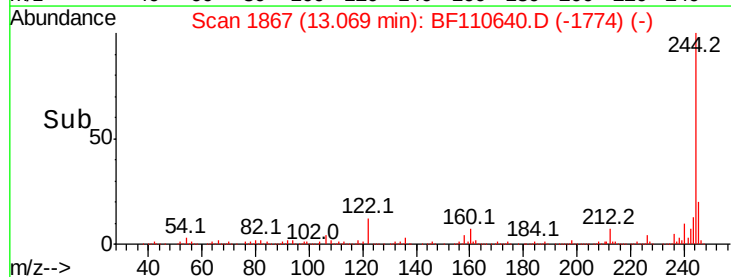
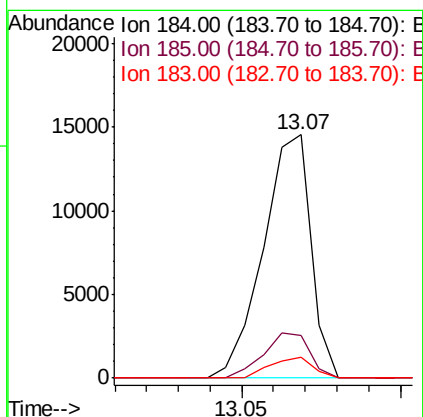
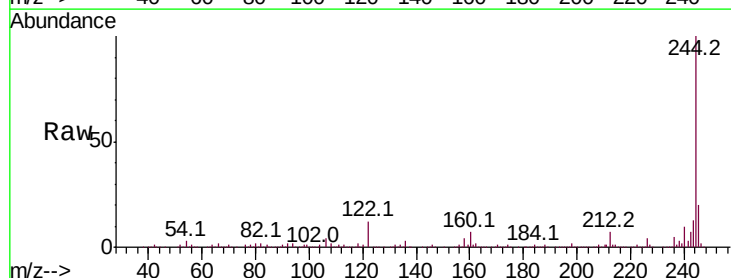
Instrument :
 BNA_F
 ClientSampleId :

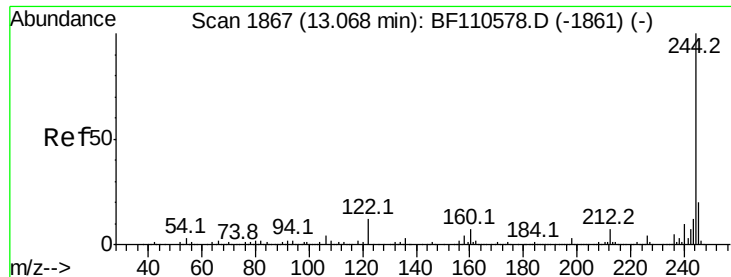
Tot Ion:240 Resp: 231712
 Ion Ratio Lower Upper
 240 100
 120 11.7 8.3 12.5
 236 24.6 21.2 31.8



#77
 Benzidine
 Concen: 2.388 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. 0.25 min
 Lab File: BF110640.D
 Acq: 9 Nov 2018 21:09

Tgt Ion:184 Resp: 15216
 Ion Ratio Lower Upper
 184 100
 185 17.4 13.4 20.2
 183 8.7 9.4 14.2#





#79

Terphenyl-d14

Concen: 91.832 ng

RT: 13.07 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BF110640.D

Acq: 9 Nov 2018 21:09

Instrument :

BNA_F

ClientSampleId :

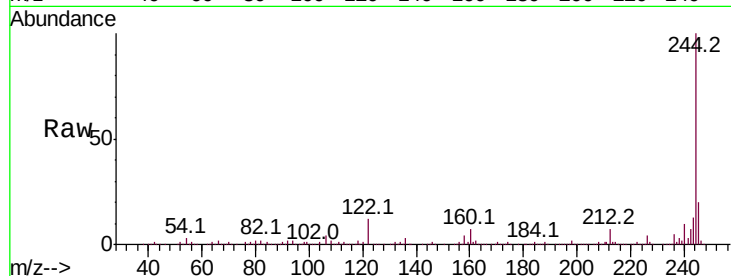
Tot Ion:244 Resp: 1136210

Ion Ratio Lower Upper

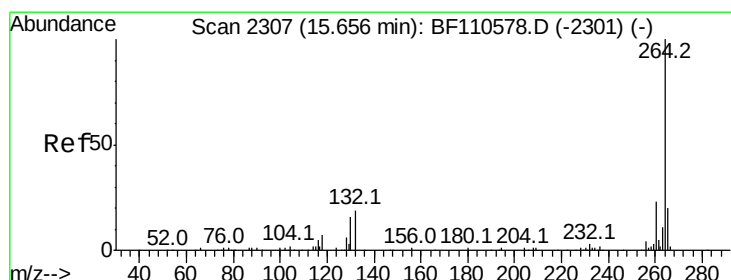
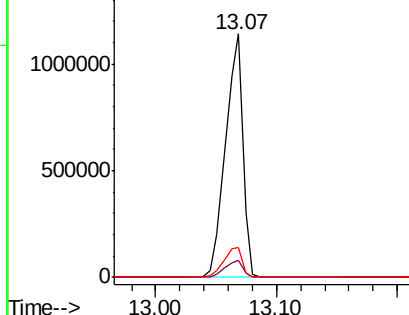
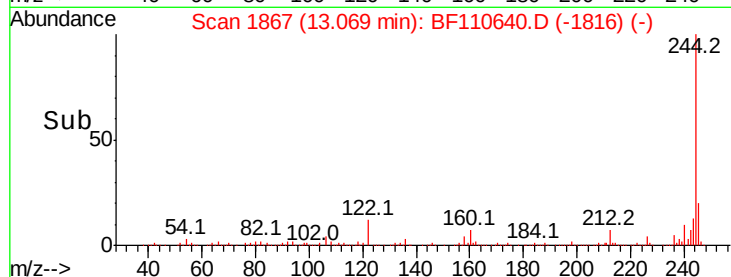
244 100

212 6.8 5.8 8.8

122 12.1 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: BF110640.D

Acq: 9 Nov 2018 21:09

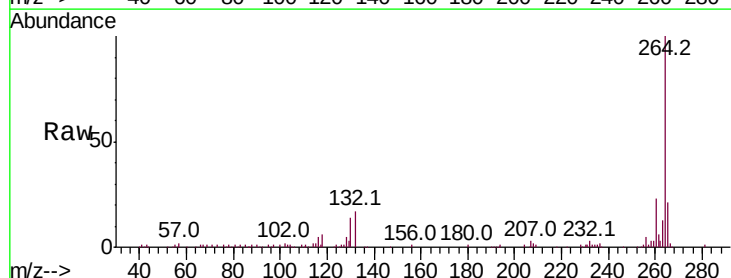
Tgt Ion:264 Resp: 144060

Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

265 21.3 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

