

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111007.D
 Acq On : 27 Nov 2018 14:06
 Operator : JU/SJ
 Sample : J6060-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 16:02:21 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

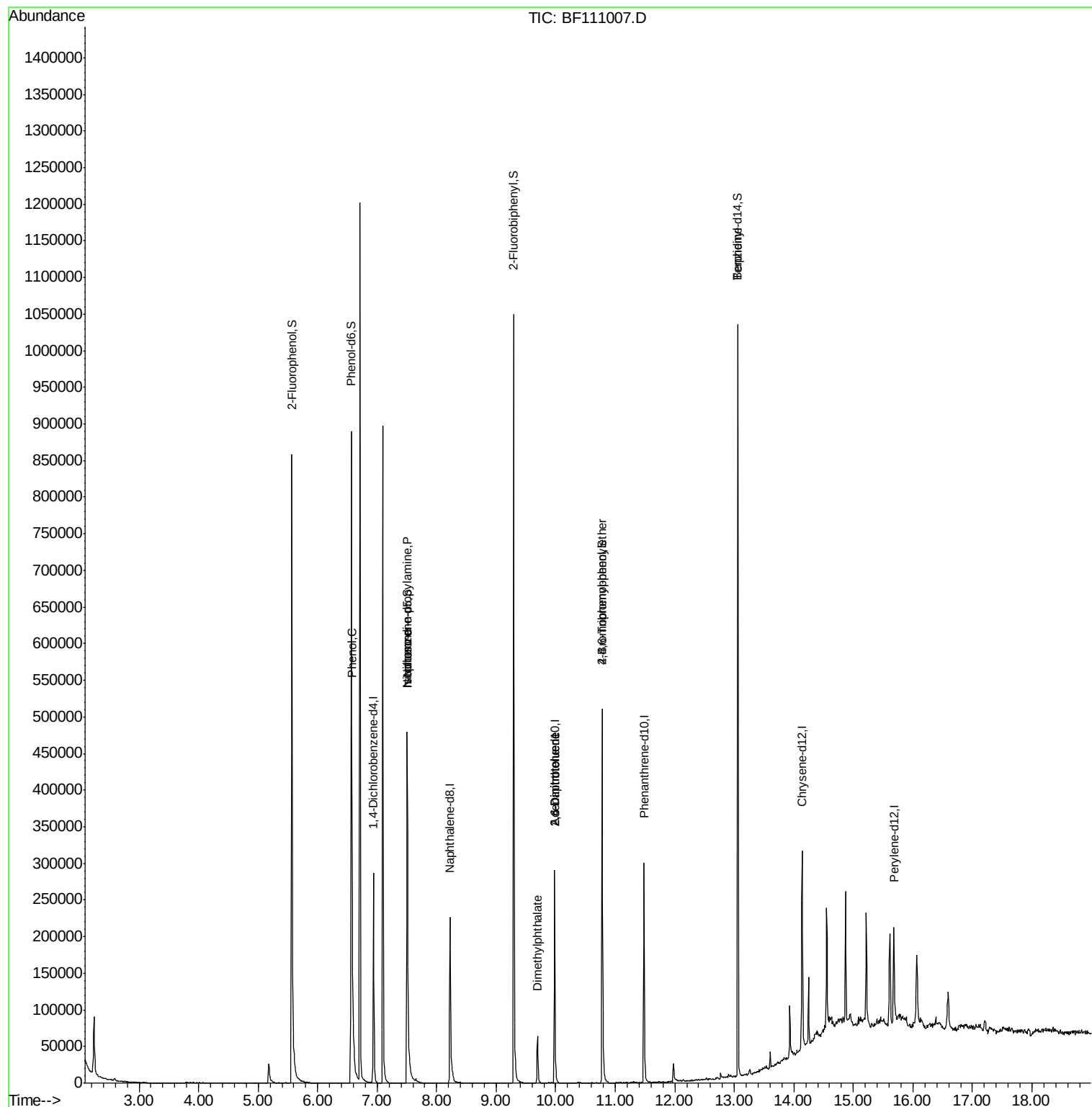
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	43324	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	150490	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	63543	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	127442	20.00	ng	0.00
76) Chrysene-d12	14.14	240	97345	20.00	ng	0.00
87) Perylene-d12	15.68	264	65725	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	293457	112.33	ng	0.01
7) Phenol-d6	6.57	99	341594	100.33	ng	0.00
23) Nitrobenzene-d5	7.50	82	205898	78.30	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	71625	113.50	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	343003	78.20	ng	0.00
79) Terphenyl-d14	13.06	244	368069	73.60	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	287	Below Cal	Qvalue	# 1
10) Phenol	6.58	94	16513	4.307 ng		90
19) n-Nitroso-di-n-propylamine	7.50	70	26865	12.114 ng	#	83
25) Isophorone	7.50	82	205898	47.735 ng	#	67
50) Dimethylphthalate	9.69	163	36467	7.825 ng		100
51) 2,6-Dinitrotoluene	9.98	165	7442	7.173 ng	#	21
57) 2,4-Dinitrotoluene	9.98	165	7442	5.529 ng	#	17
67) 4-Bromophenyl-phenylether	10.78	248	4327	3.118 ng	#	1
77) Benzidine	13.06	184	5073	2.037 ng		96

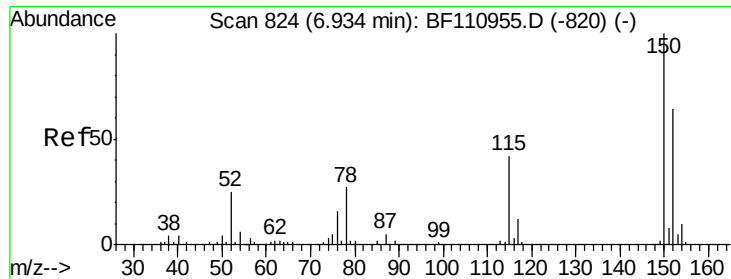
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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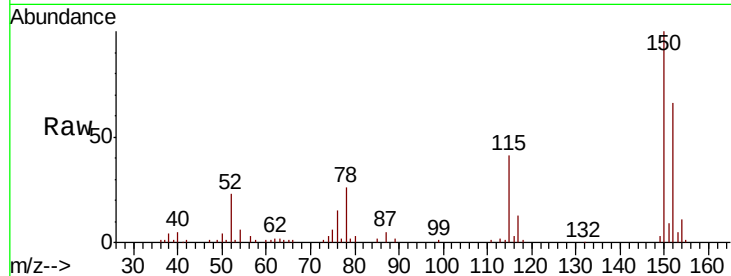


#1

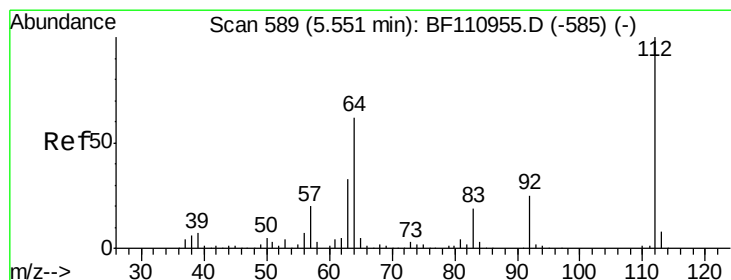
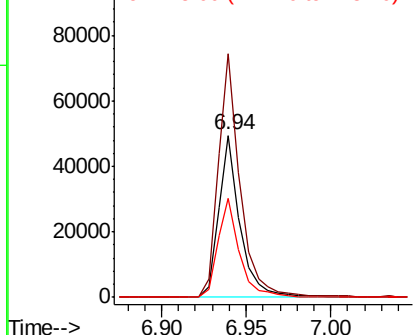
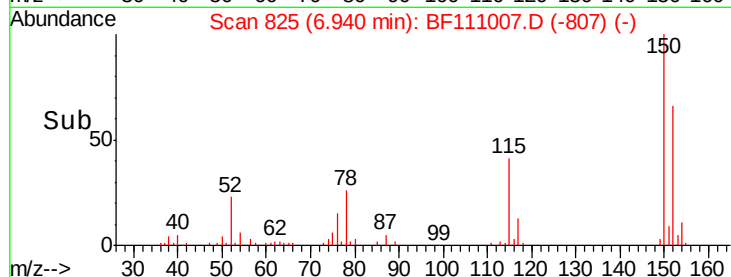
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111007.D
Acq: 27 Nov 2018 14:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 43324
Ion Ratio Lower Upper
152 100
150 150.4 122.7 184.1
115 61.2 49.1 73.7



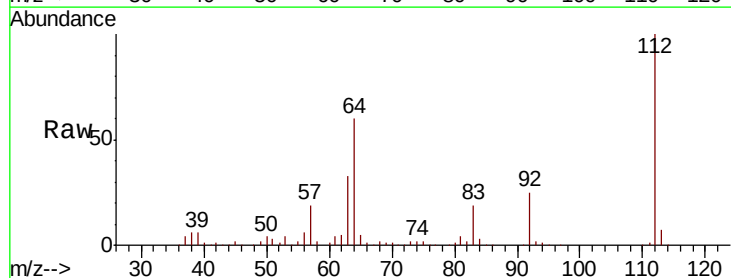
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



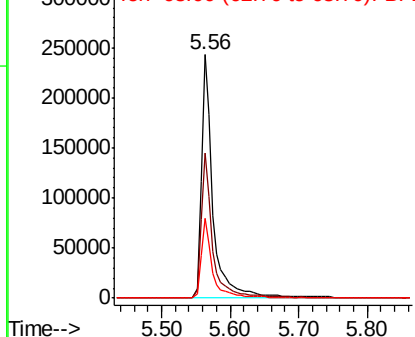
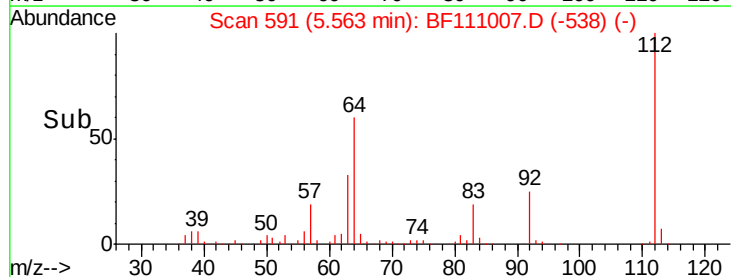
#5

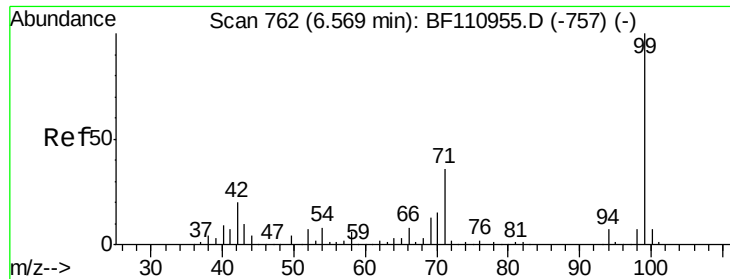
2-Fluorophenol
Concen: 112.327 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111007.D
Acq: 27 Nov 2018 14:06

Tgt Ion:112 Resp: 293457
Ion Ratio Lower Upper
112 100
64 59.5 44.1 66.1
63 32.7 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: 100.334 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

Instrument :

BNA_F

ClientSampled :

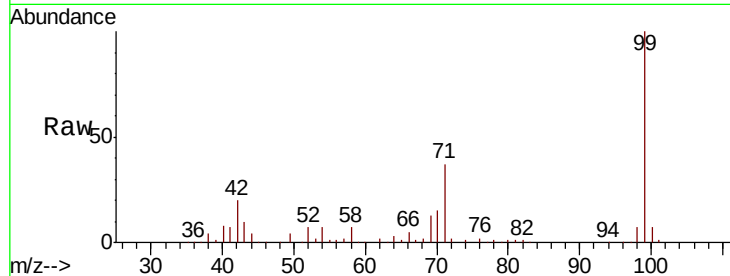
Tot Ion: 99 Resp: 341594

Ion Ratio Lower Upper

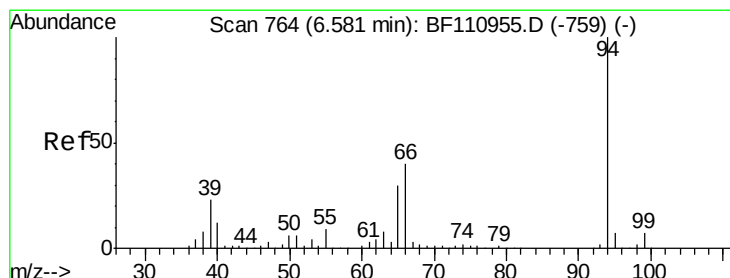
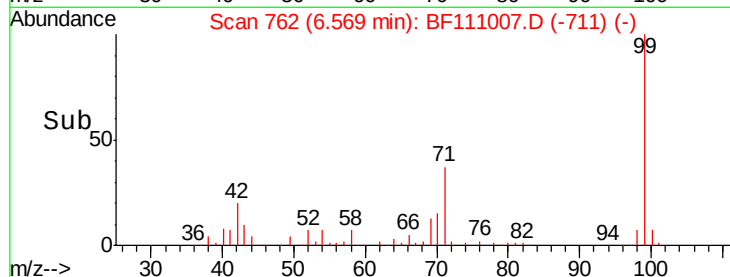
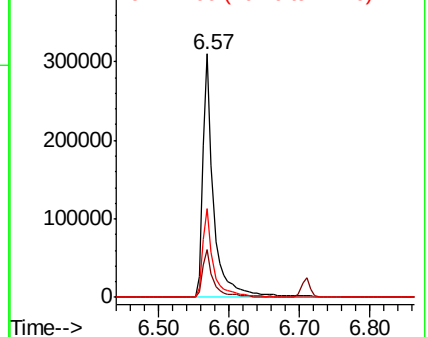
99 100

42 19.6 15.8 23.6

71 36.6 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: 4.307 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

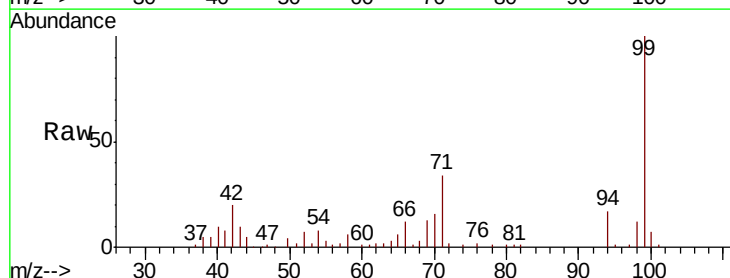
Tgt Ion: 94 Resp: 16513

Ion Ratio Lower Upper

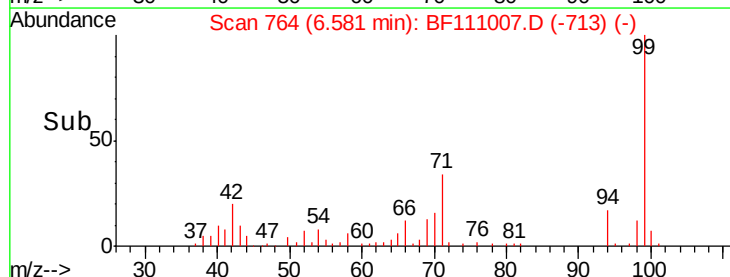
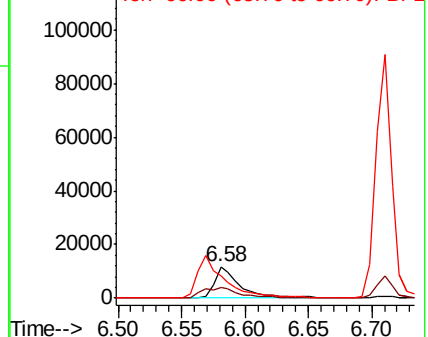
94 100

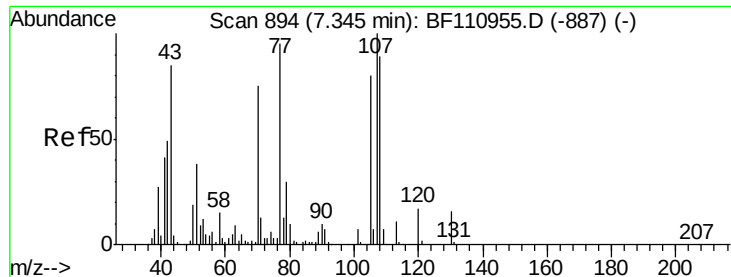
65 33.8 25.3 65.3

66 69.7 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

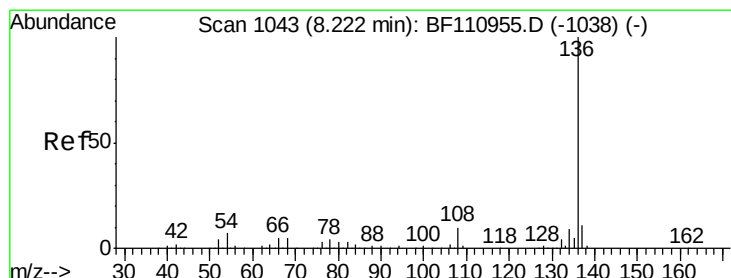
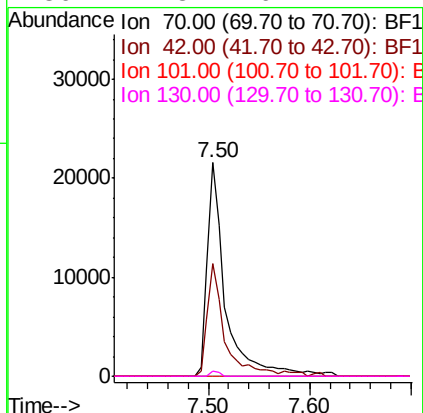
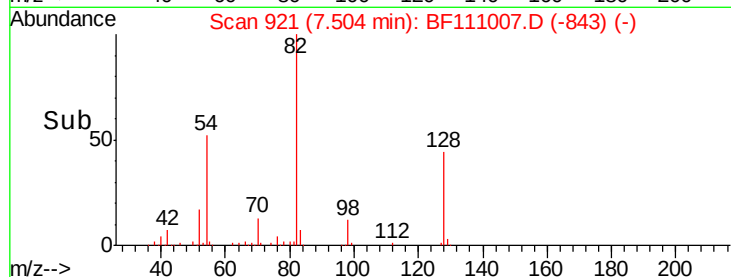
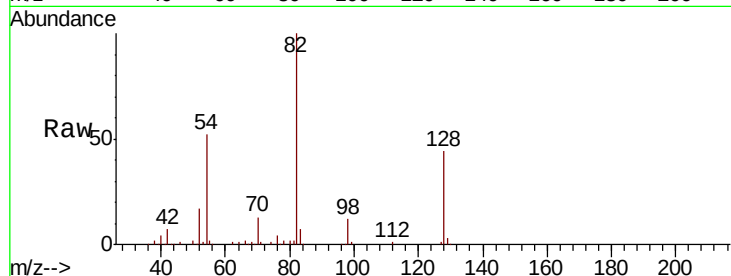




#19
n-Nitroso-di-n-propylamine
Concen: 12.114 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF111007.D
Acq: 27 Nov 2018 14:06

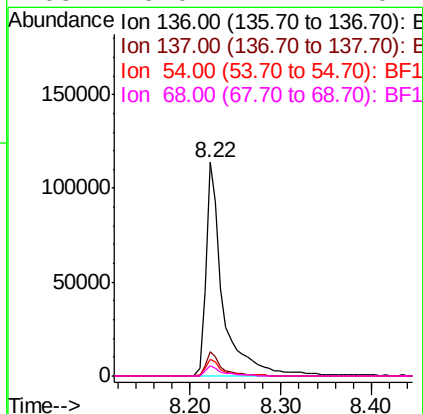
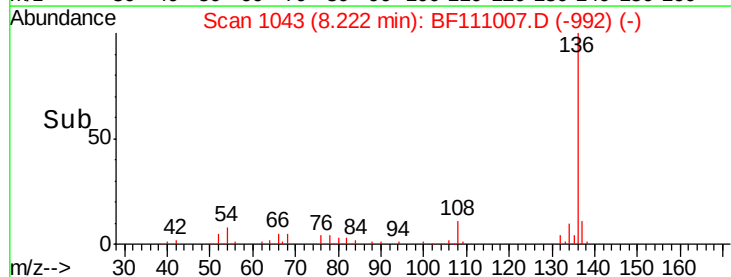
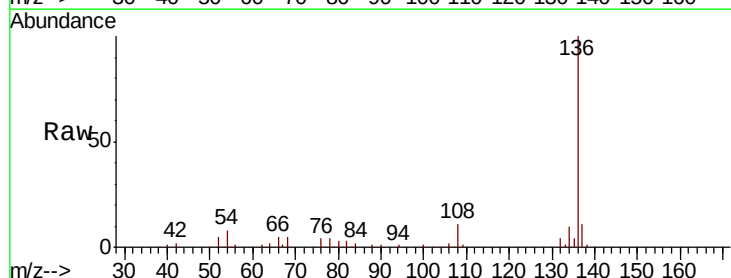
Instrument :
BNA_F
ClientSampleId :

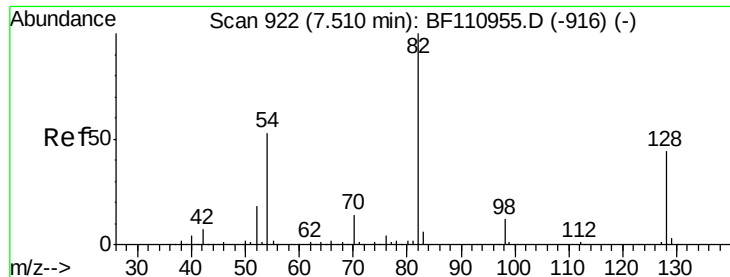
Tot Ion: 70 Resp: 26865
Ion Ratio Lower Upper
70 100
42 52.7 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF111007.D
Acq: 27 Nov 2018 14:06

Tgt Ion:136 Resp: 150490
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 5.4 8.2
68 5.0 4.2 6.2

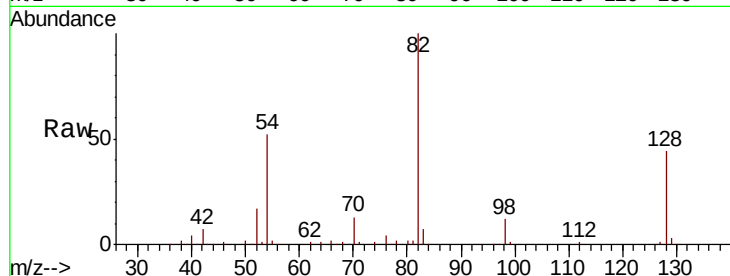




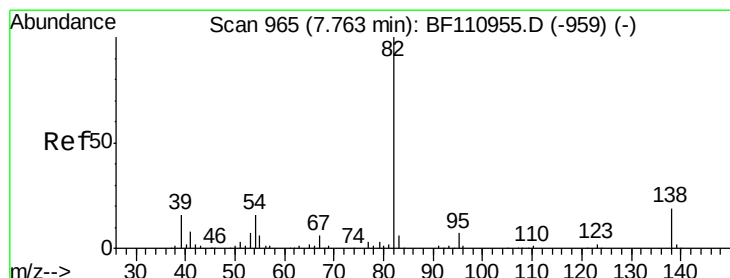
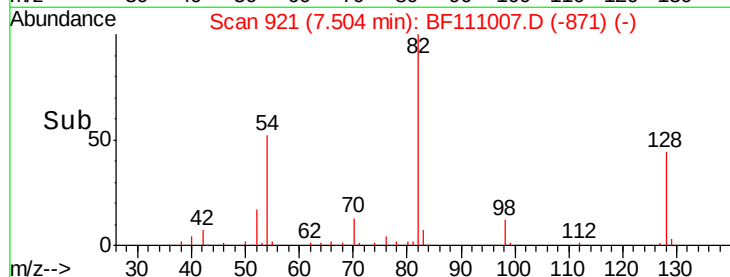
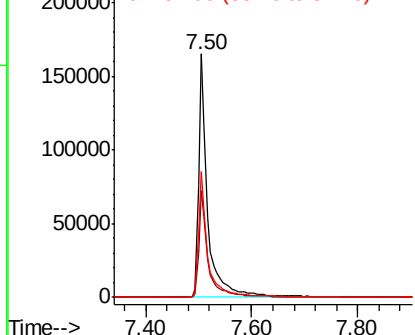
#23
 Nitrobenzene-d5
 Concen: 78.302 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF111007.D
 Acq: 27 Nov 2018 14:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 205898
 Ion Ratio Lower Upper
 82 100
 128 43.8 34.2 51.2
 54 51.9 38.6 58.0

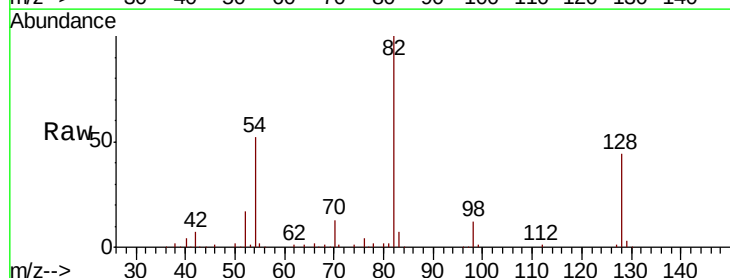


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

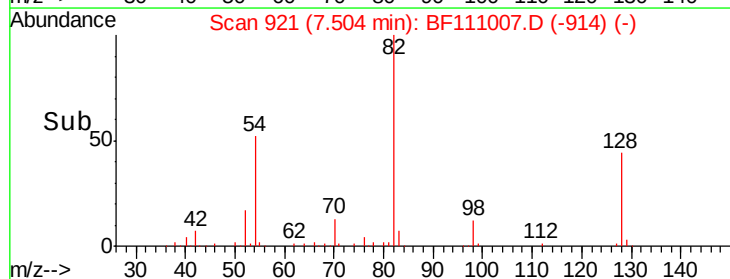
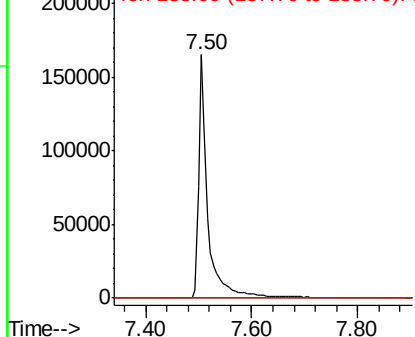


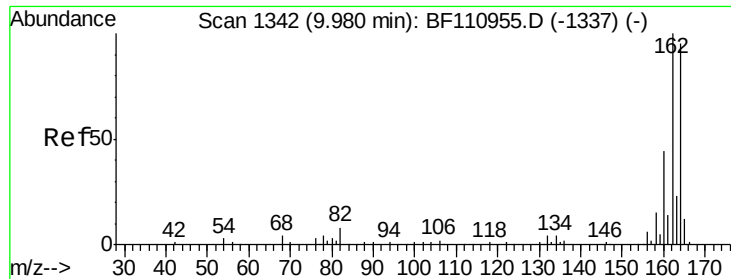
#25
 Isophorone
 Concen: 47.735 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.26 min
 Lab File: BF111007.D
 Acq: 27 Nov 2018 14:06

Tgt Ion: 82 Resp: 205898
 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. 0.00 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

Instrument :

BNA_F

ClientSampleId :

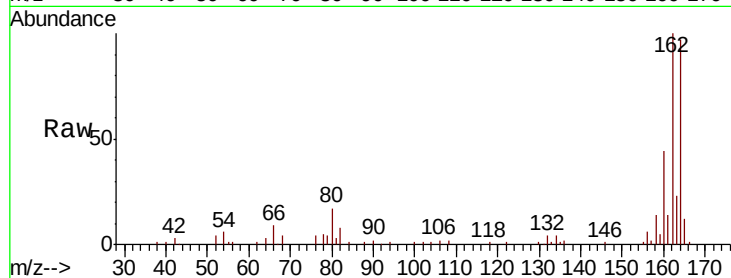
Tot Ion:164 Resp: 63543

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.6

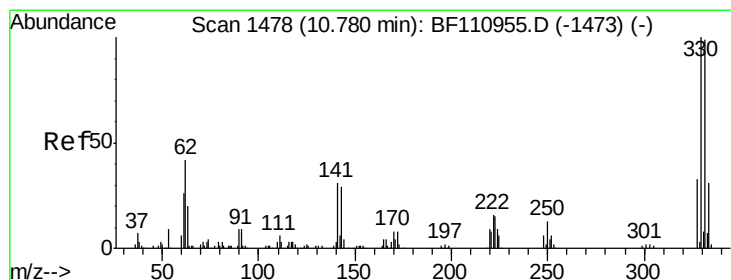
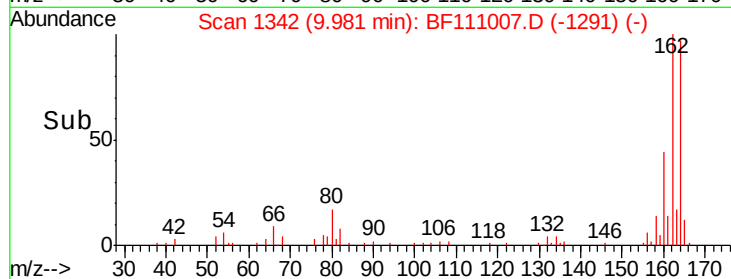
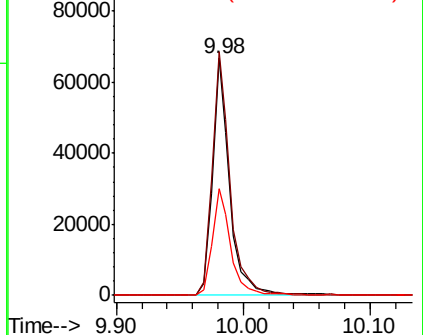
160 45.3 37.0 55.6



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: 113.498 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

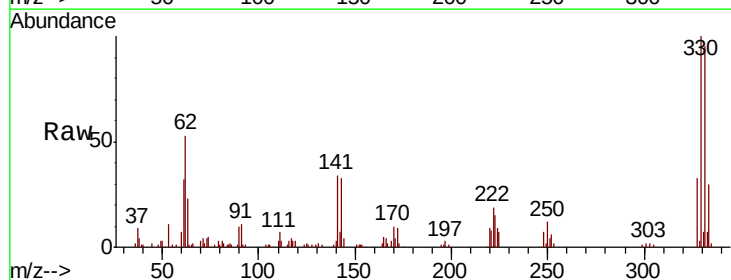
Tgt Ion:330 Resp: 71625

Ion Ratio Lower Upper

330 100

332 94.9 77.1 115.7

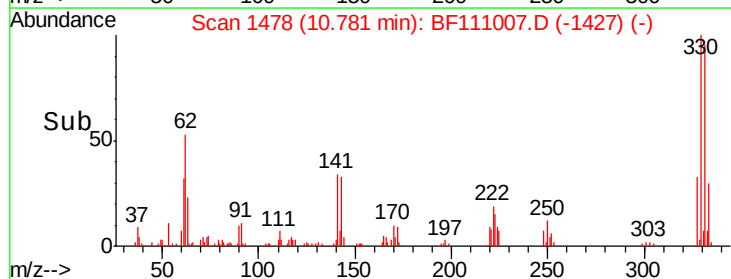
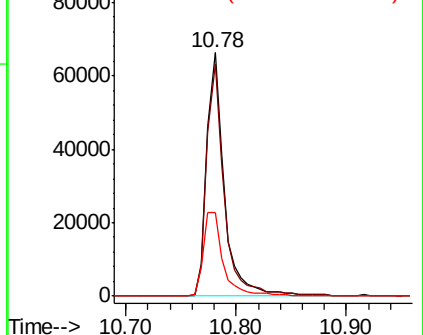
141 38.3 27.0 40.4

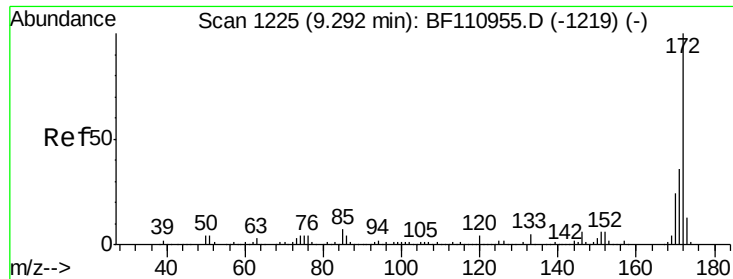


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

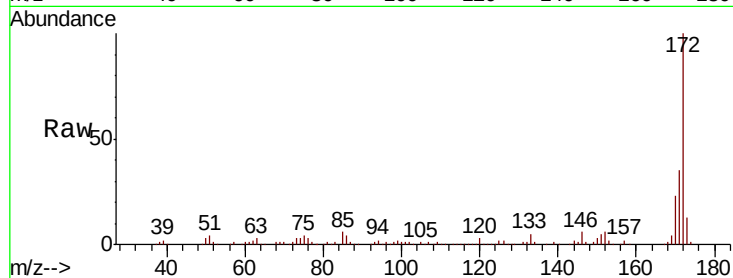




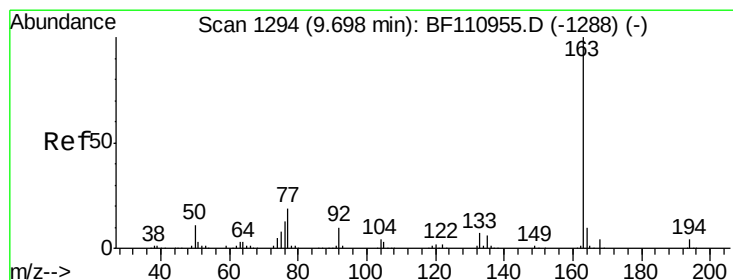
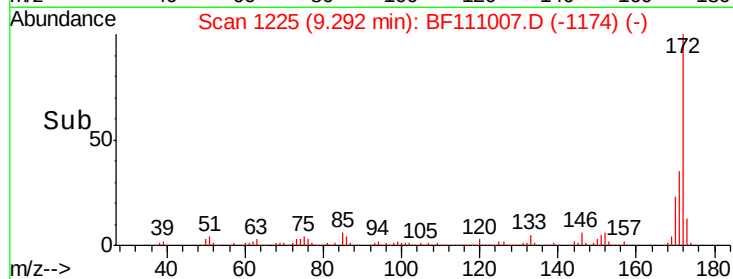
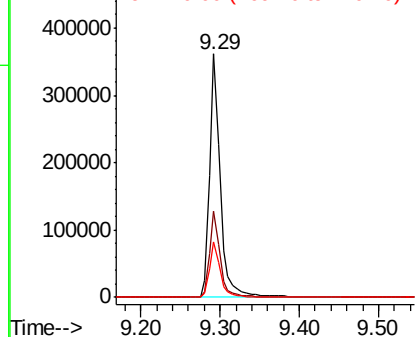
#45
2-Fluorobiphenyl
Concen: 78.204 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF111007.D
Acq: 27 Nov 2018 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 343003
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.0 19.7 29.5

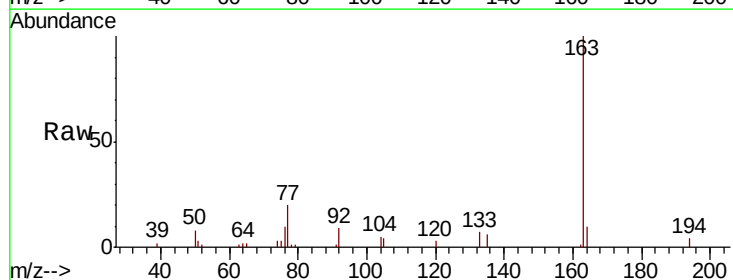


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

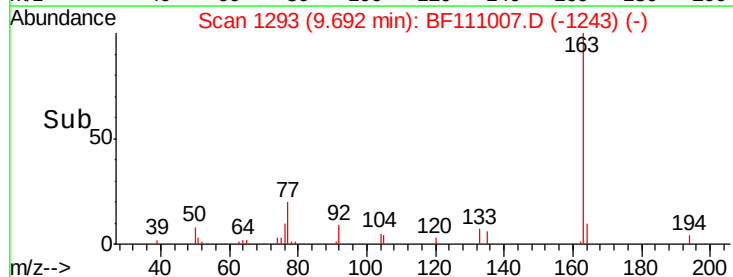
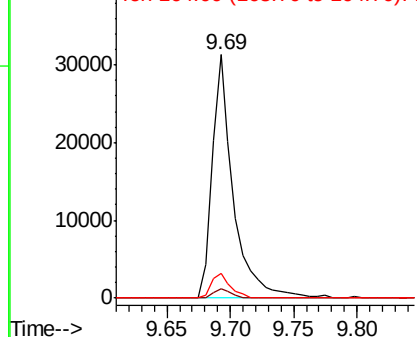


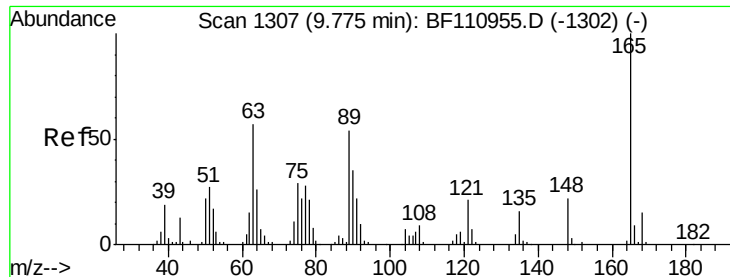
#50
Dimethylphthalate
Concen: 7.825 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111007.D
Acq: 27 Nov 2018 14:06

Tgt Ion:163 Resp: 36467
Ion Ratio Lower Upper
163 100
194 3.8 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: 7.173 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

Instrument :
BNA_F
ClientSampleId :

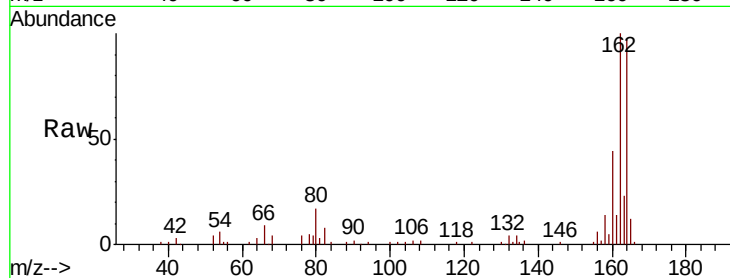
Tot Ion:165 Resp: 7442

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

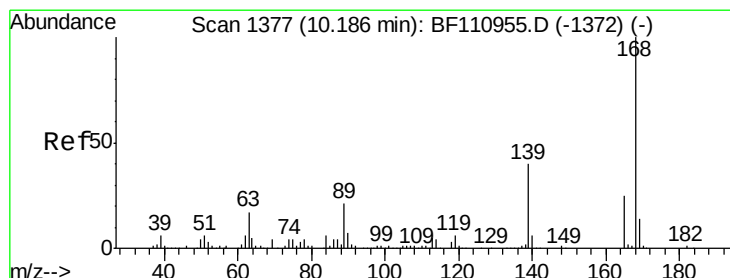
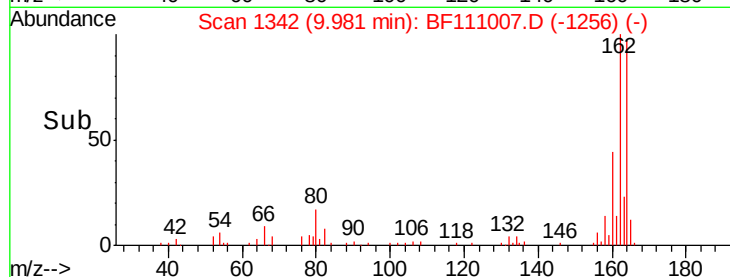
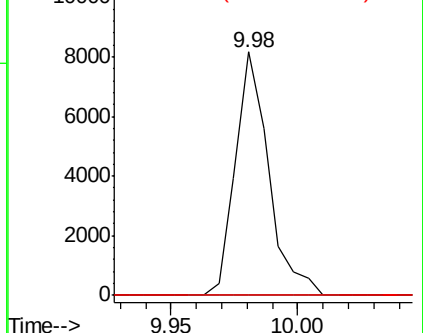
89 0.0 46.6 69.8#



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: 5.529 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

Tgt Ion:165 Resp: 7442

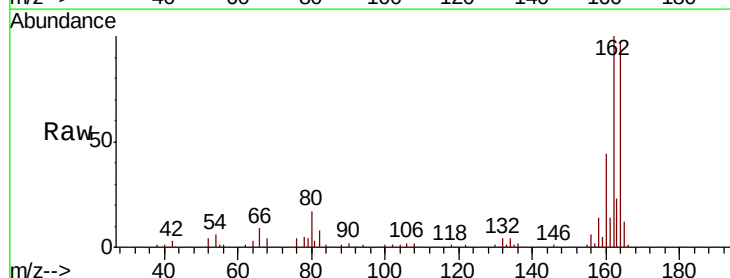
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

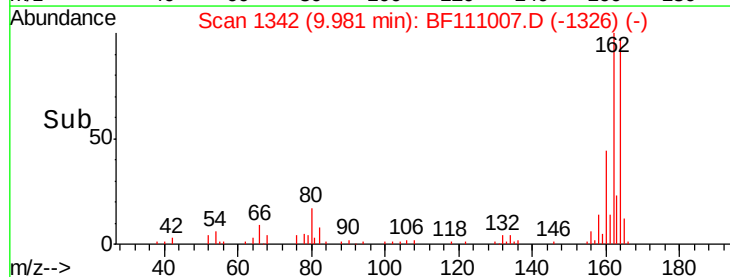
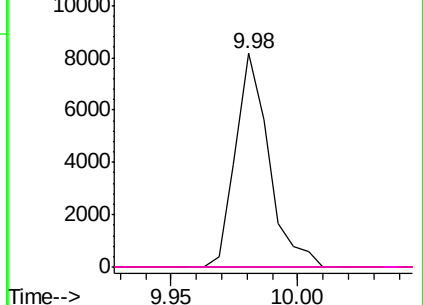


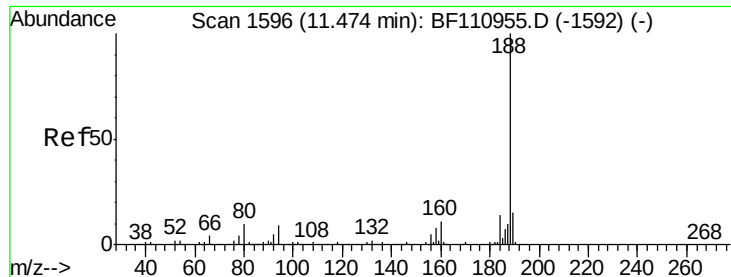
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF111007.D

Acq: 27 Nov 2018 14:06

Instrument :

BNA_F

ClientSampleId :

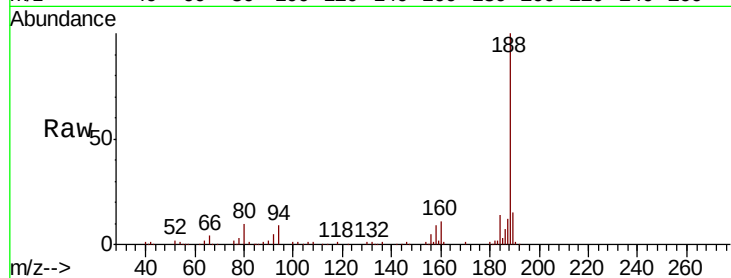
Tot Ion:188 Resp: 127442

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

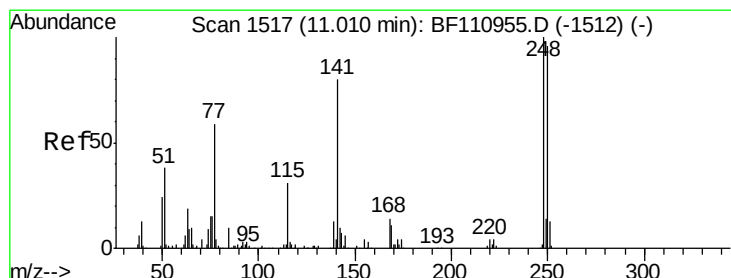
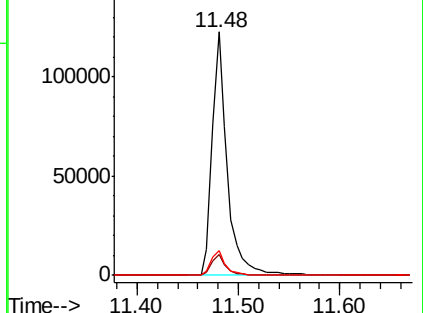
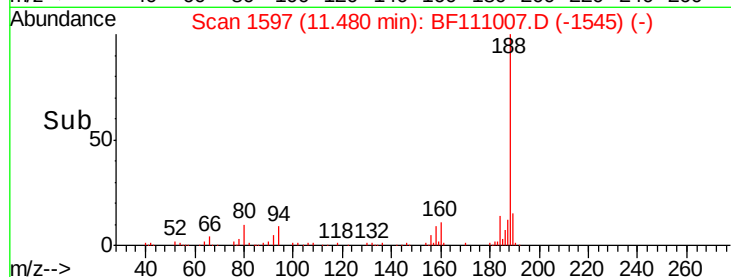
80 10.0 7.9 11.9



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: 3.118 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.23 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

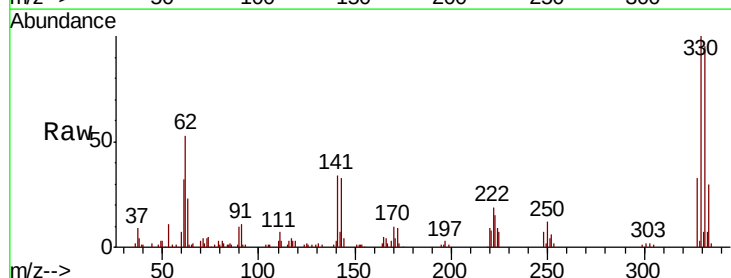
Tgt Ion:248 Resp: 4327

Ion Ratio Lower Upper

248 100

250 182.4 79.4 119.2#

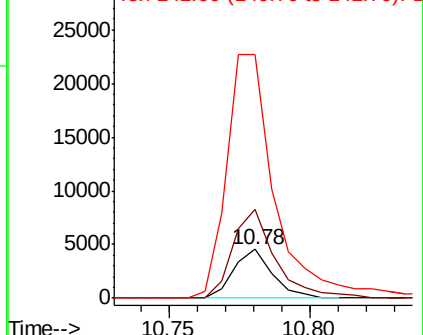
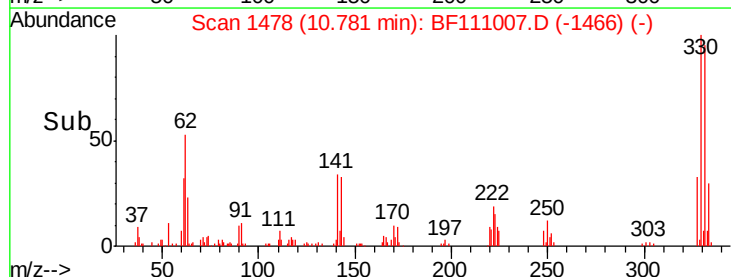
141 501.7 55.9 83.9#

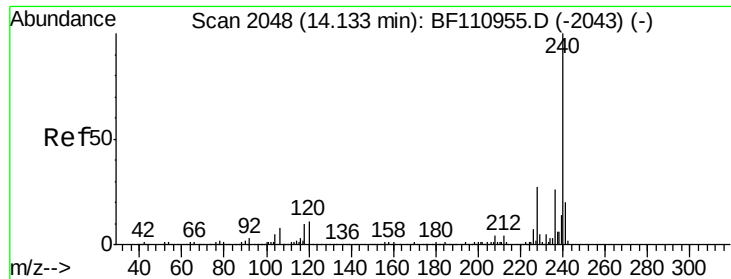


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

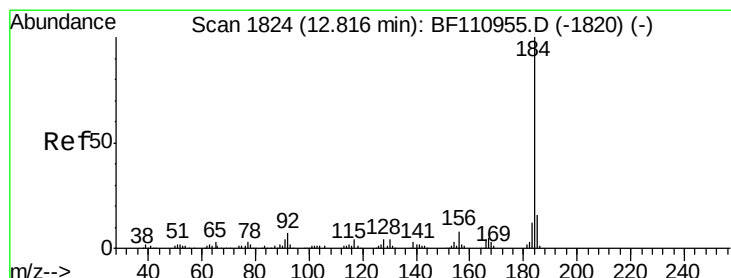
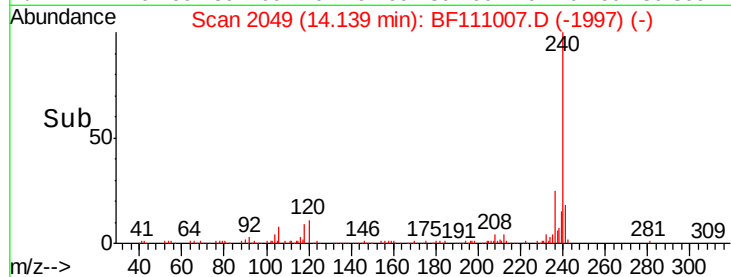
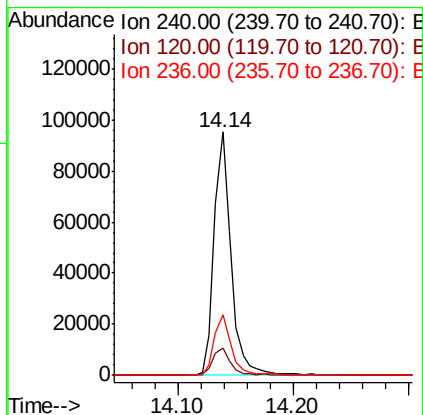
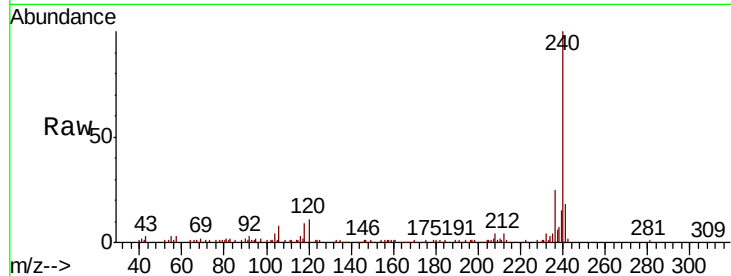




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BF111007.D
 Acq: 27 Nov 2018 14:06

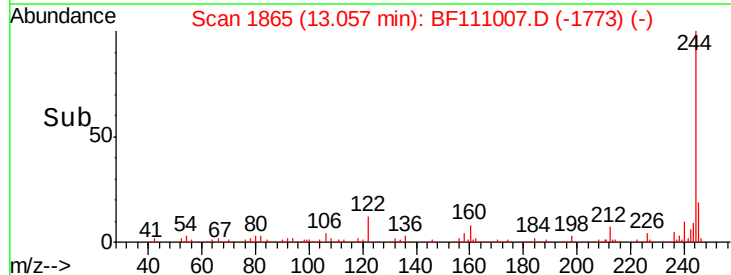
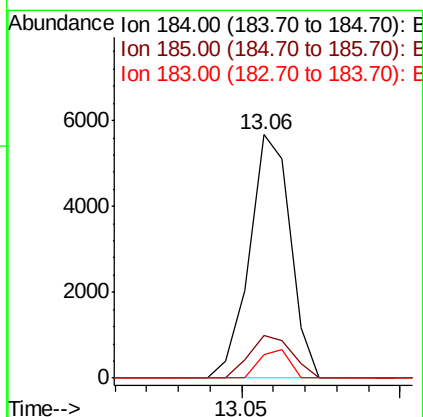
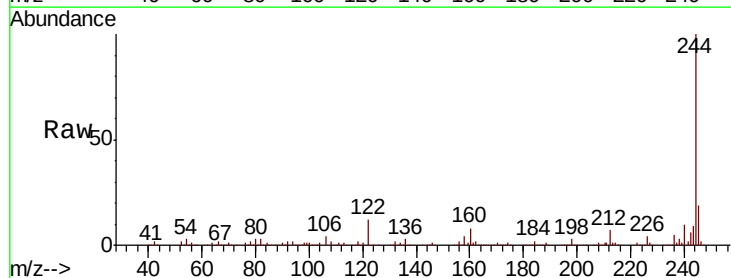
Instrument :
 BNA_F
 ClientSampleId :

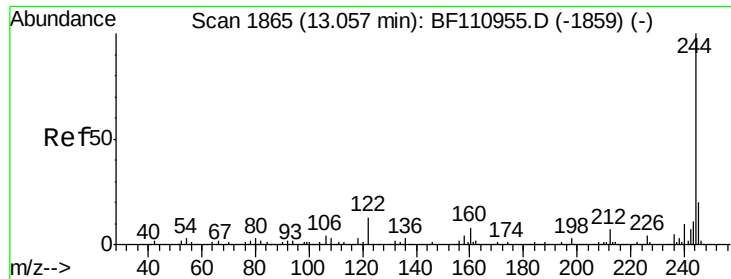
Tot Ion:240 Resp: 97345
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.3 12.5
 236 24.8 21.2 31.8



#77
 Benzidine
 Concen: 2.037 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. 0.24 min
 Lab File: BF111007.D
 Acq: 27 Nov 2018 14:06

Tgt Ion:184 Resp: 5073
 Ion Ratio Lower Upper
 184 100
 185 17.8 13.4 20.2
 183 9.4 9.4 14.2





#79

Terphenyl-d14

Concen: 73.604 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

Instrument :

BNA_F

ClientSampled :

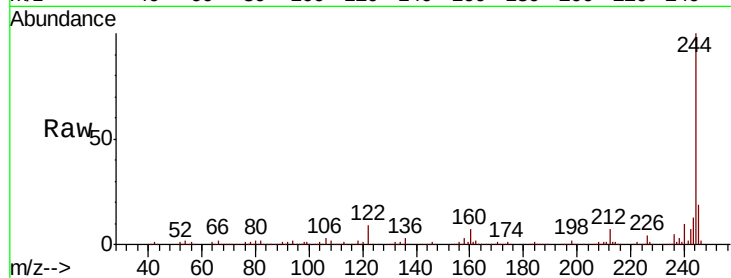
Tot Ion:244 Resp: 368069

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

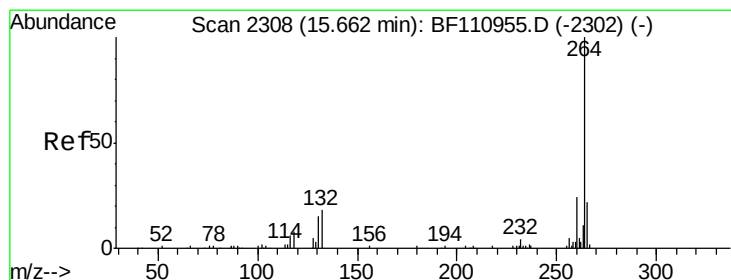
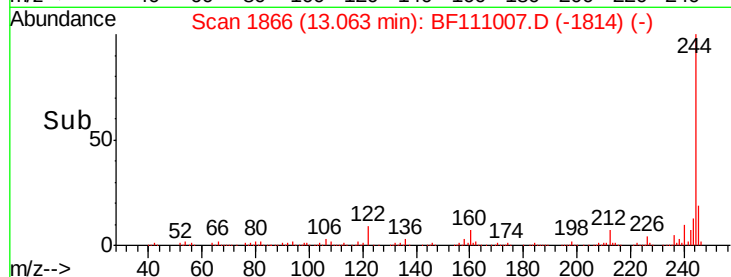
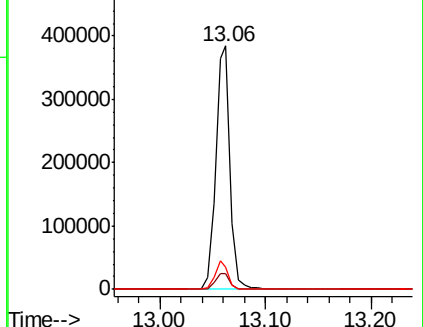
122 9.2 8.7 13.1



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: 15.68 min Scan# 2311

Delta R.T. 0.01 min

Lab File: BF111007.D

Acq: 27 Nov 2018 14:06

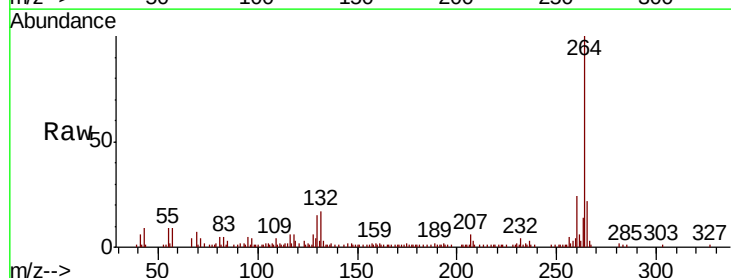
Tgt Ion:264 Resp: 65725

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 22.1 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

