

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111081.D
 Acq On : 29 Nov 2018 8:50
 Operator : JU/SJ
 Sample : J6078-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 09:52:43 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

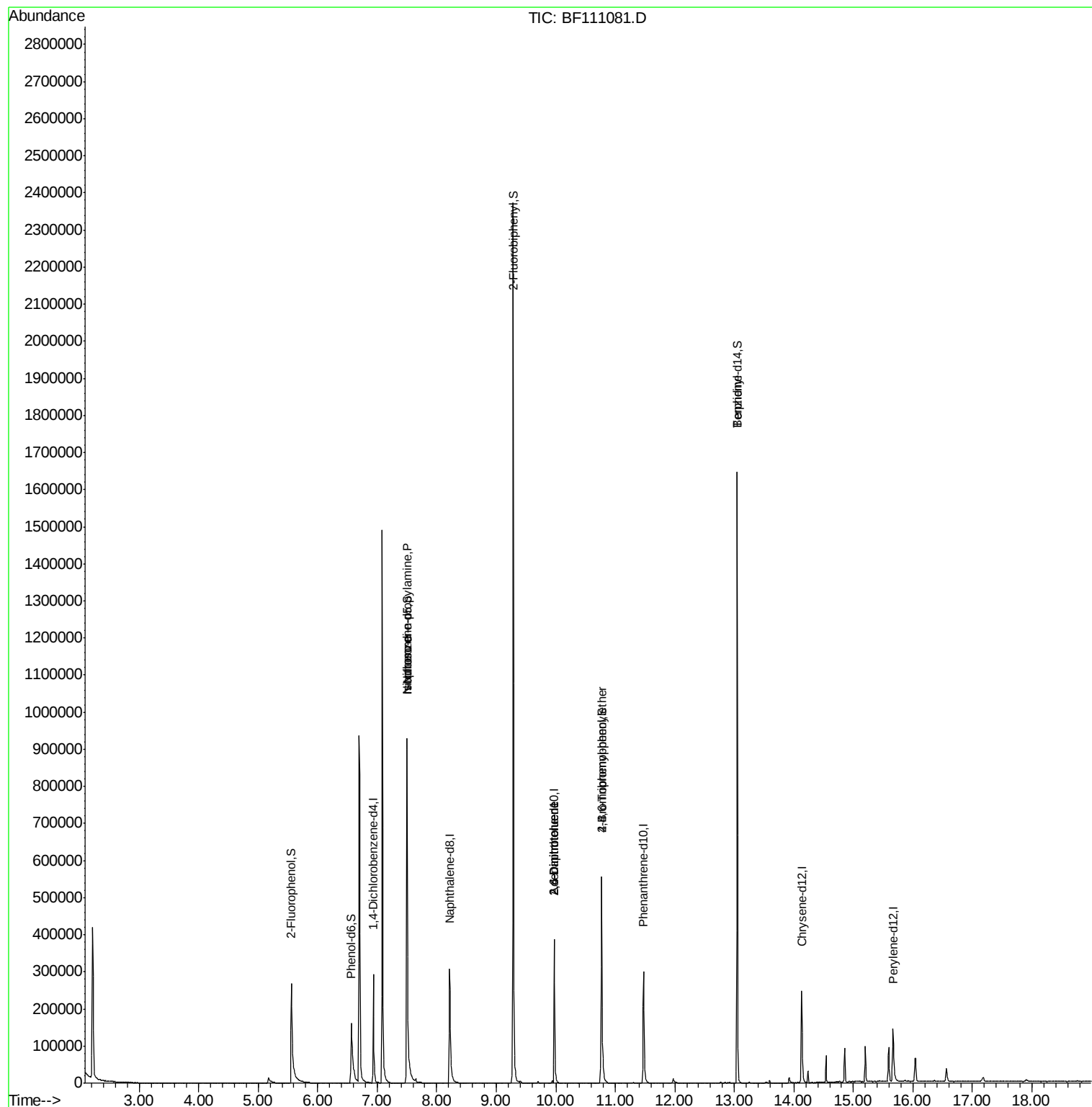
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	53372	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	225587	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	98560	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	157020	20.00	ng	0.00
76) Chrysene-d12	14.13	240	117337	20.00	ng	0.00
87) Perylene-d12	15.67	264	101056	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	151593	47.10	ng	0.00
7) Phenol-d6	6.57	99	116077	27.68	ng	0.00
23) Nitrobenzene-d5	7.50	82	409103	103.79	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	82850	84.64	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	747176	109.83	ng	0.00
79) Terphenyl-d14	13.05	244	536204	88.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	52713	19.294	ng	# 80
25) Isophorone	7.50	82	409103	63.272	ng	# 67
51) 2,6-Dinitrotoluene	9.97	165	11776	7.318	ng	# 21
57) 2,4-Dinitrotoluene	9.97	165	11776	5.640	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	5120	2.994	ng	# 1
77) Benzidine	13.05	184	7151	2.383	ng	# 95

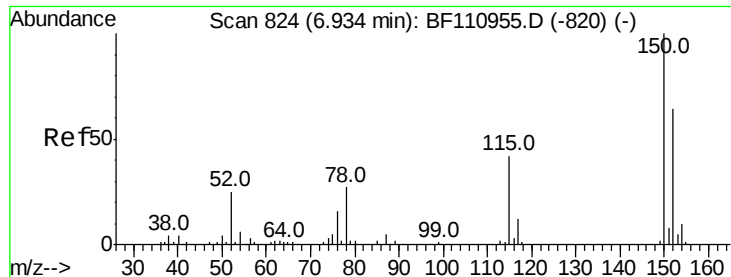
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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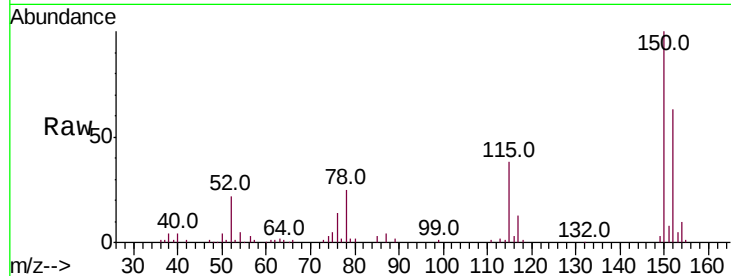


#1

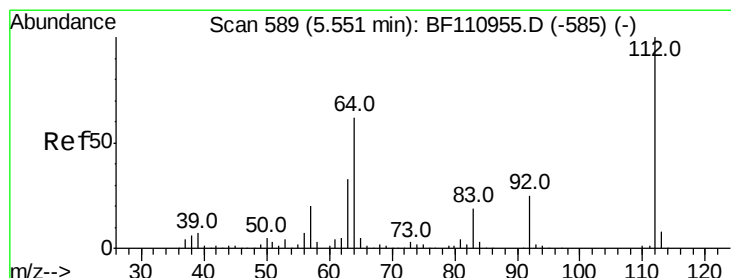
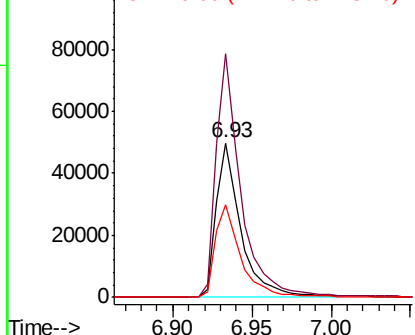
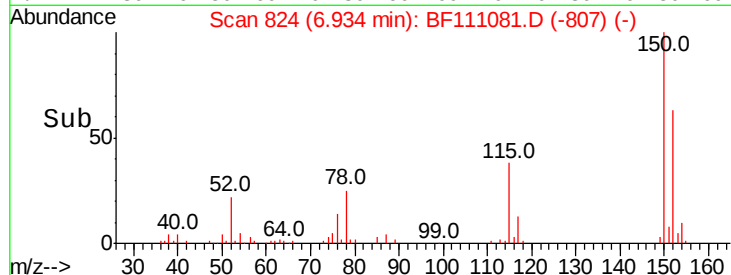
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111081.D
Acq: 29 Nov 2018 8:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 53372
Ion Ratio Lower Upper
152 100
150 157.5 122.7 184.1
115 59.8 49.1 73.7



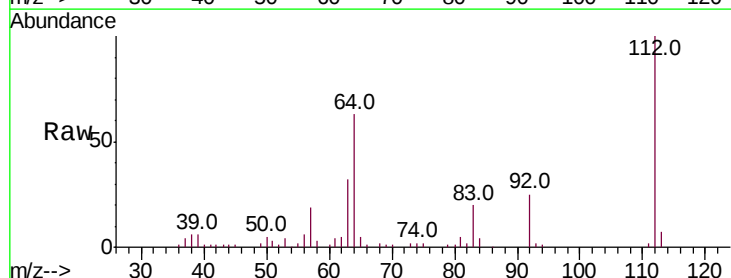
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



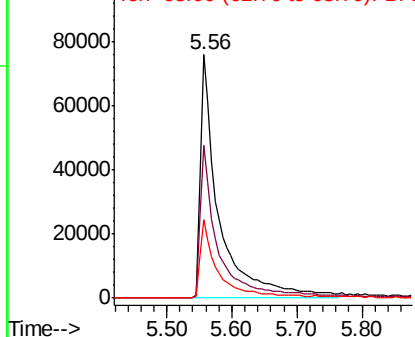
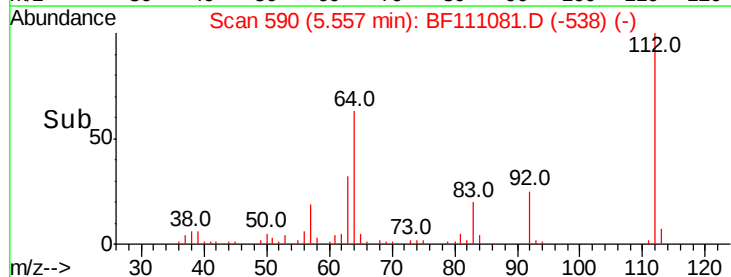
#5

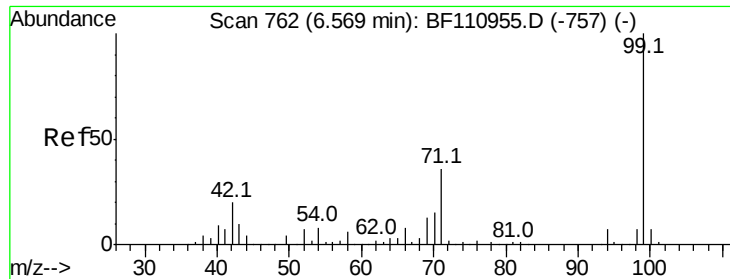
2-Fluorophenol
Concen: 47.101 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111081.D
Acq: 29 Nov 2018 8:50

Tgt Ion:112 Resp: 151593
Ion Ratio Lower Upper
112 100
64 62.5 44.1 66.1
63 32.2 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: 27.676 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Instrument :

BNA_F

ClientSampled :

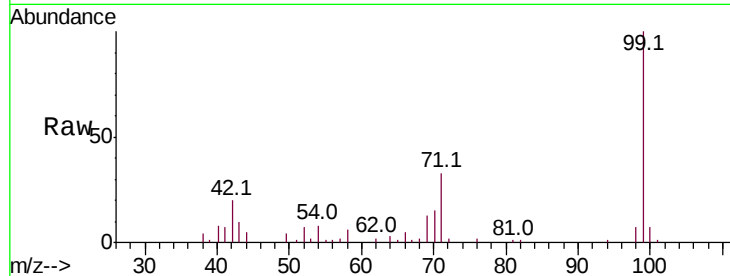
Tot Ion: 99 Resp: 116077

Ion Ratio Lower Upper

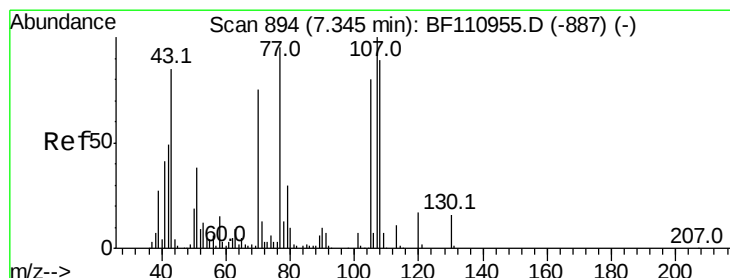
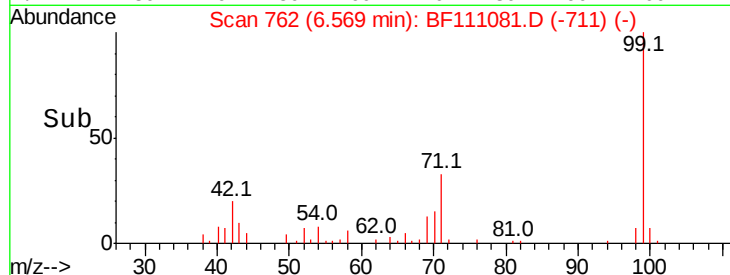
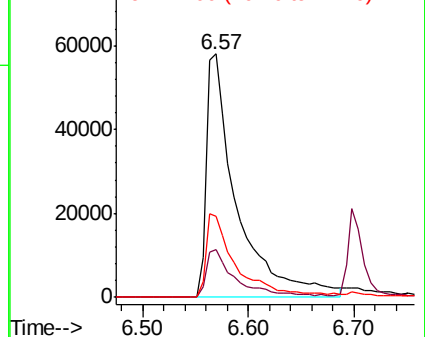
99 100

42 19.7 15.8 23.6

71 33.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 19.294 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.15 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Tgt Ion: 70 Resp: 52713

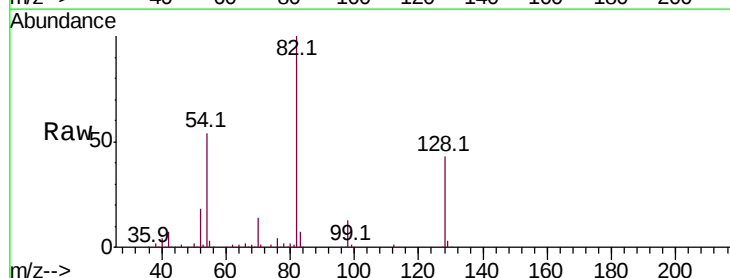
Ion Ratio Lower Upper

70 100

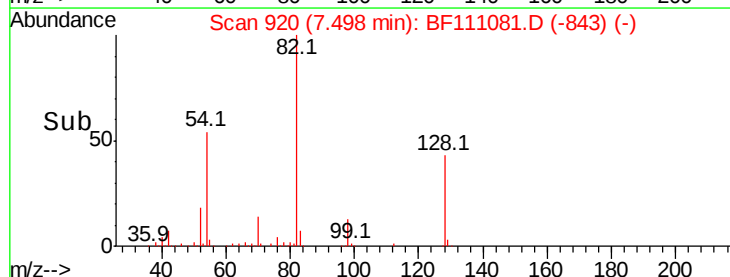
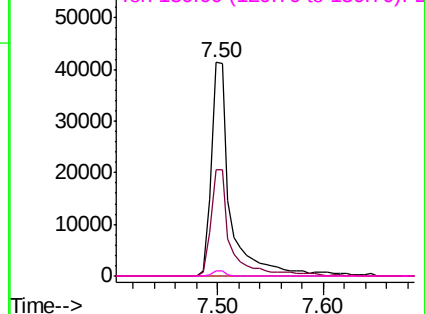
42 49.8 47.4 71.2

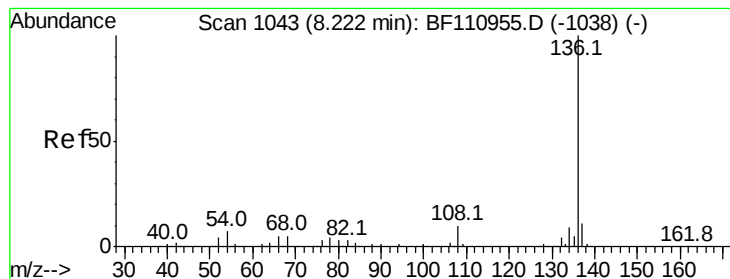
101 0.0 7.3 10.9#

130 2.2 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# 1042

Delta R.T. -0.01 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 225587

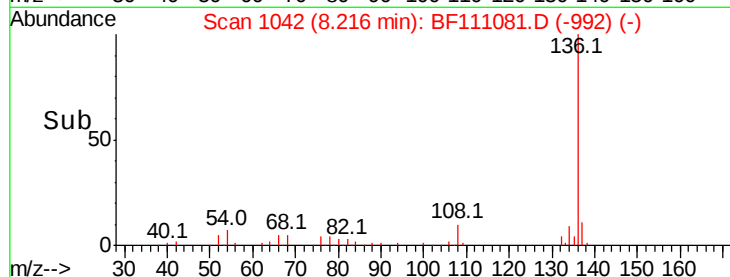
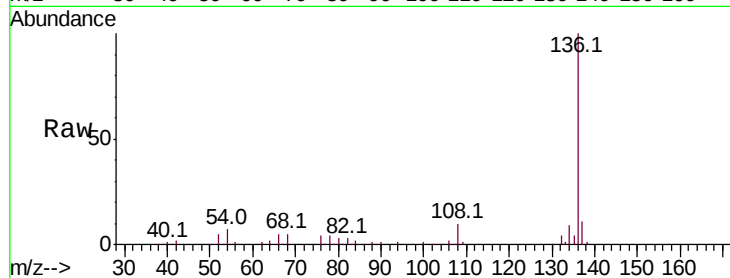
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.4 5.4 8.2

68 4.8 4.2 6.2

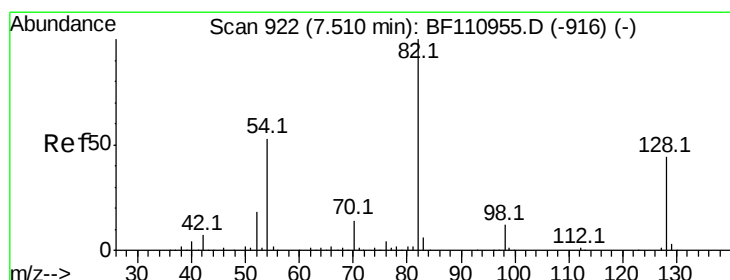
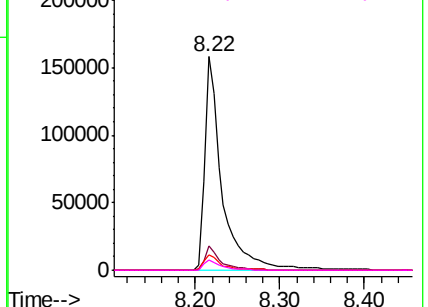


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.788 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

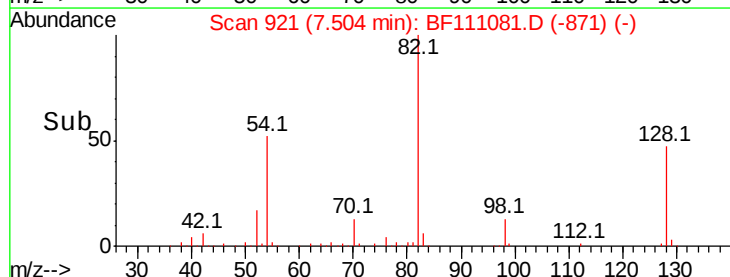
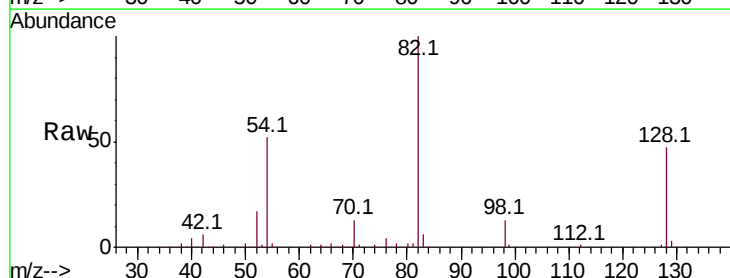
Tgt Ion: 82 Resp: 409103

Ion Ratio Lower Upper

82 100

128 46.6 34.2 51.2

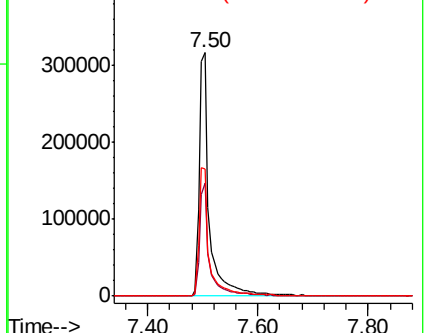
54 52.1 38.6 58.0

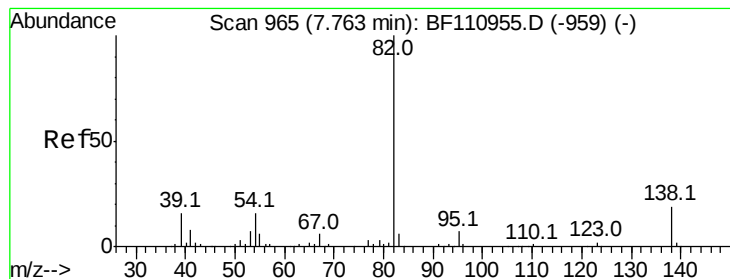


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 63.272 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Instrument :

BNA_F

ClientSampled :

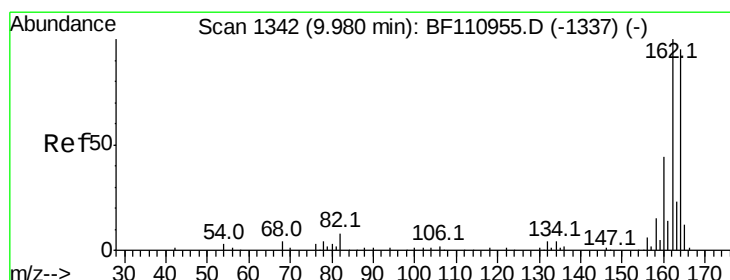
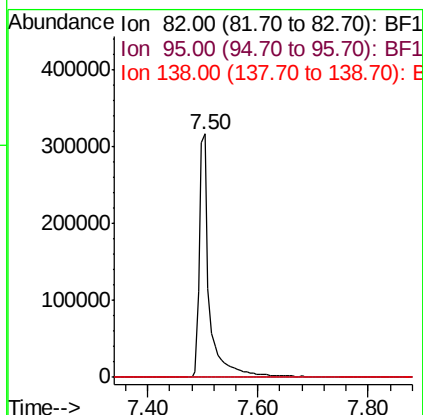
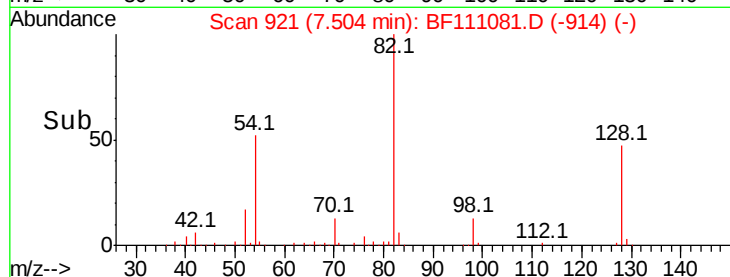
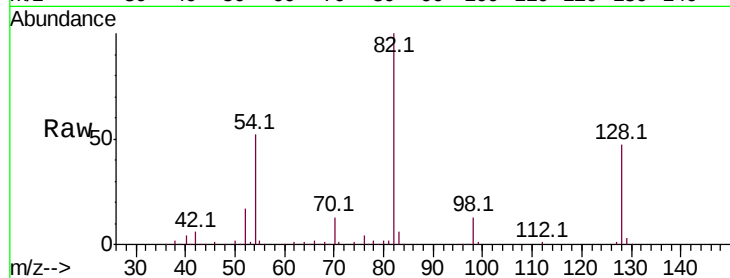
Tot Ion: 82 Resp: 409103

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

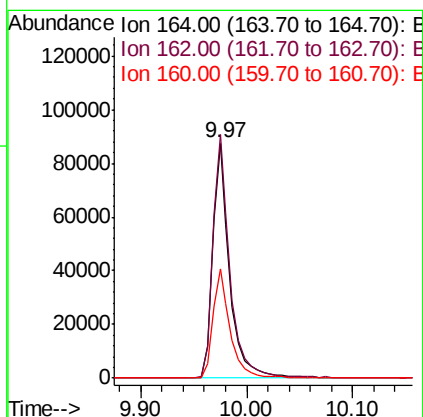
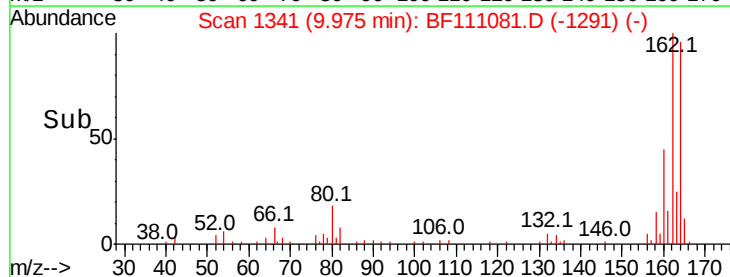
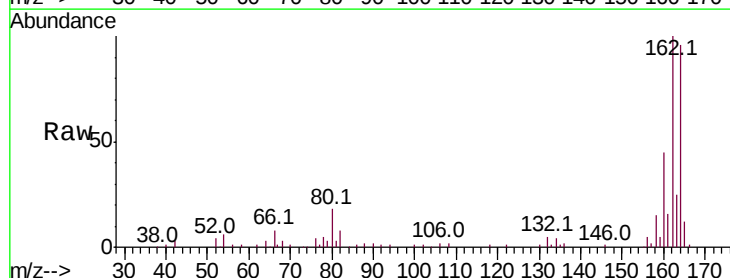
Tgt Ion: 164 Resp: 98560

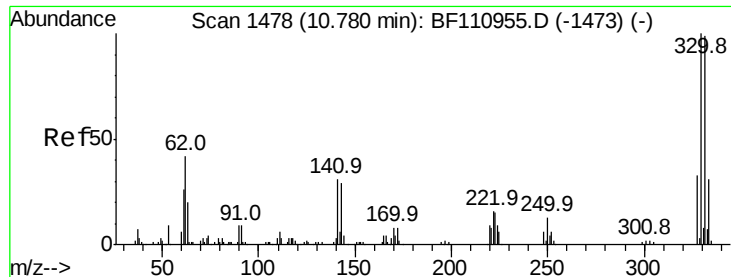
Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

160 46.5 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 84.642 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Instrument :

BNA_F

ClientSampleId :

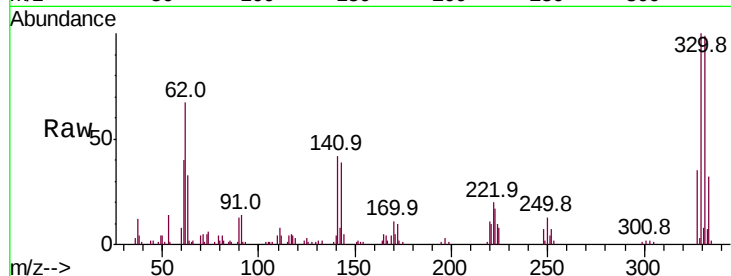
Tot Ion:330 Resp: 82850

Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

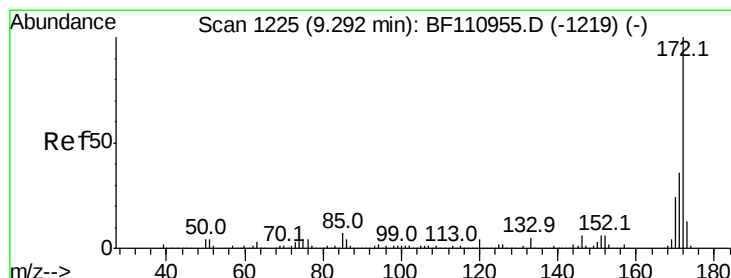
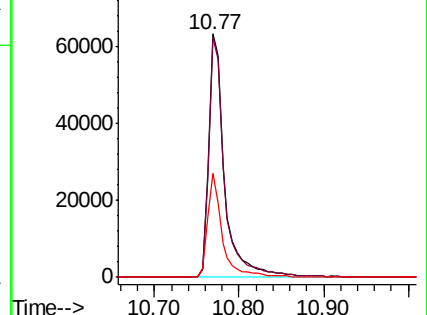
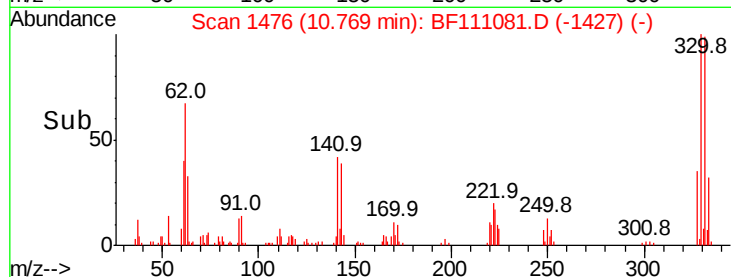
141 38.8 27.0 40.4



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: 109.830 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

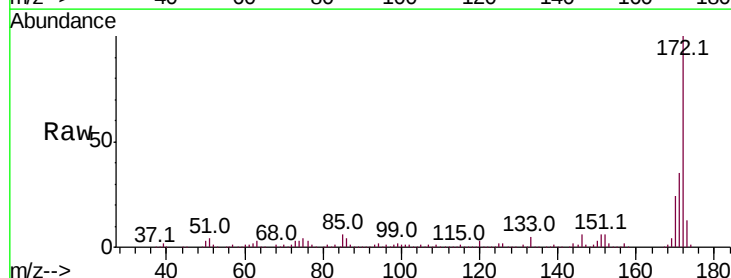
Tgt Ion:172 Resp: 747176

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

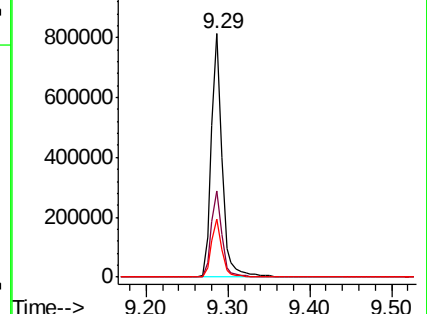
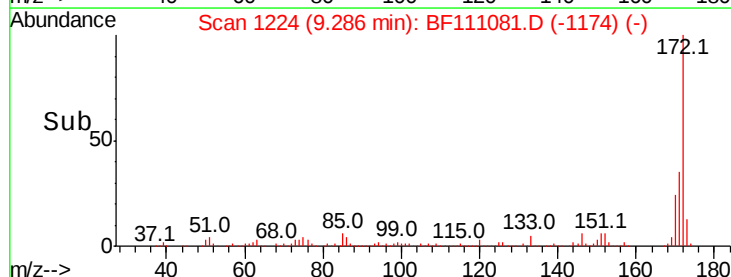
170 23.6 19.7 29.5

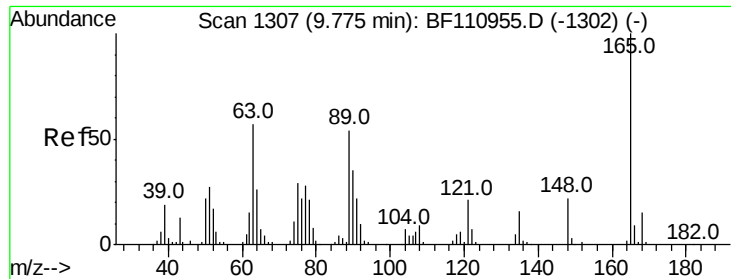


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.318 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.20 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Instrument :

BNA_F

ClientSampled :

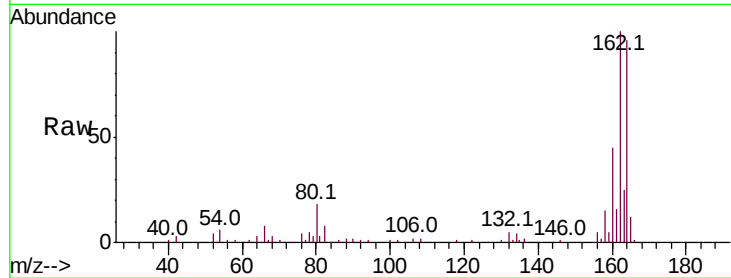
Tot Ion:165 Resp: 11776

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

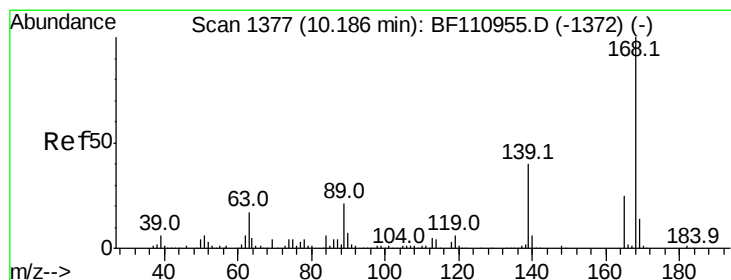
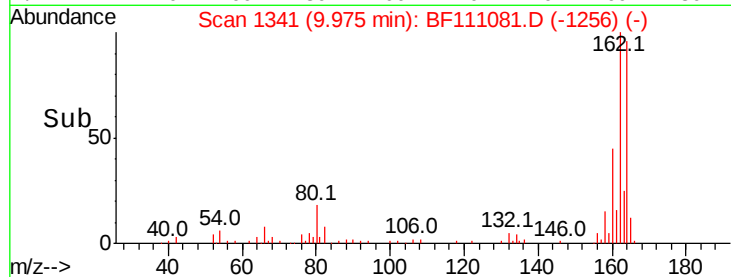
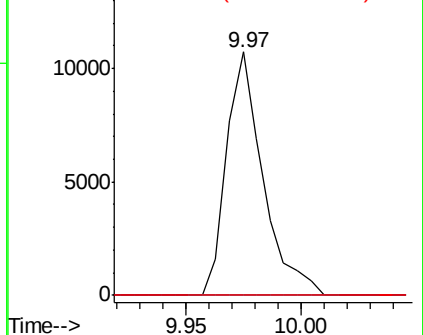
89 0.0 46.6 69.8#



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: 5.640 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.21 min

Lab File: BF111081.D

Acq: 29 Nov 2018 8:50

Tgt Ion:165 Resp: 11776

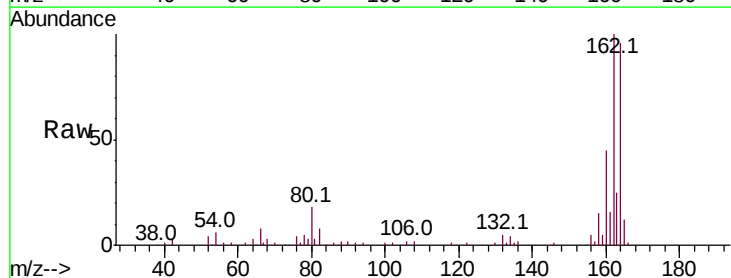
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

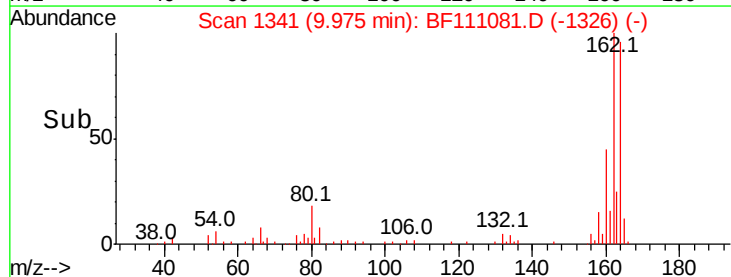
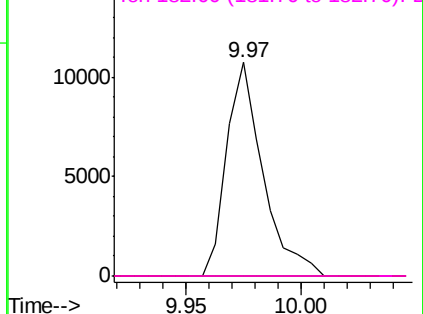


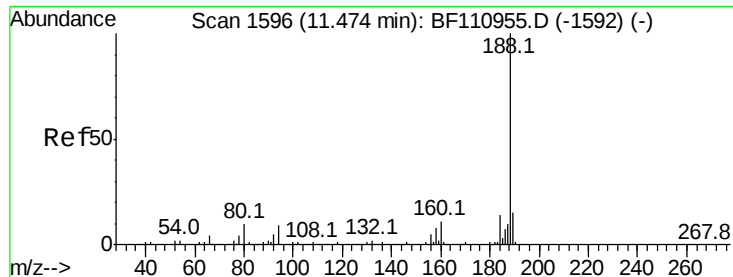
Abundance Ion 165.00 (164.70 to 165.70): E

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

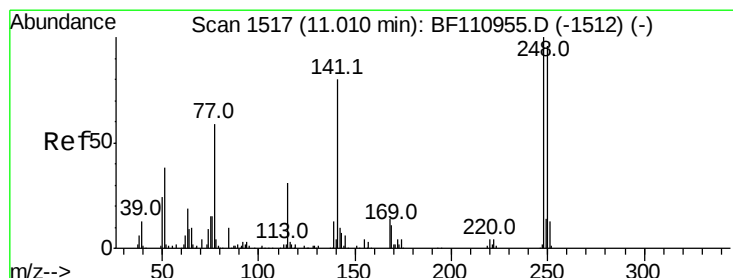
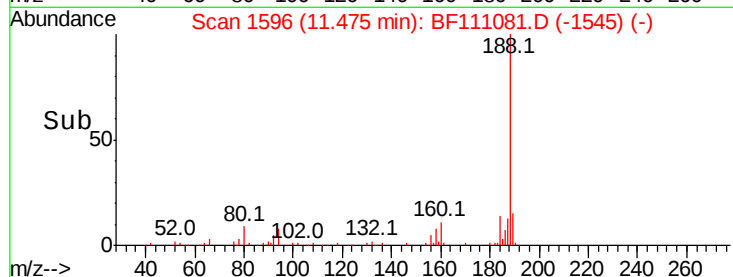
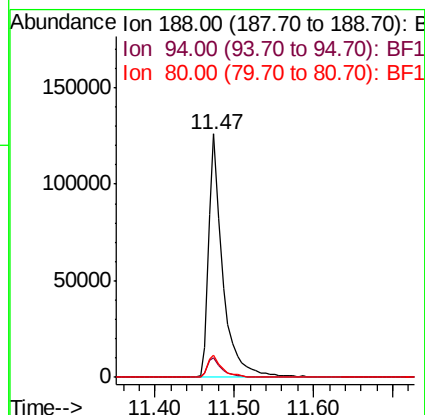
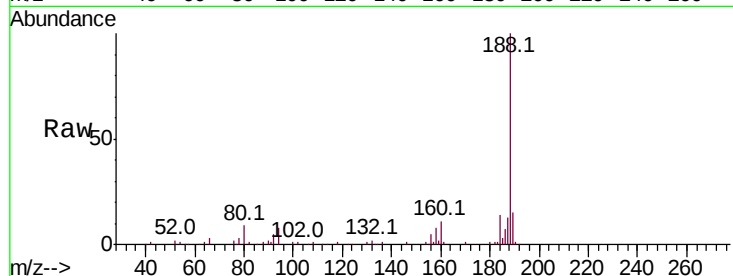




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF111081.D
Acq: 29 Nov 2018 8:50

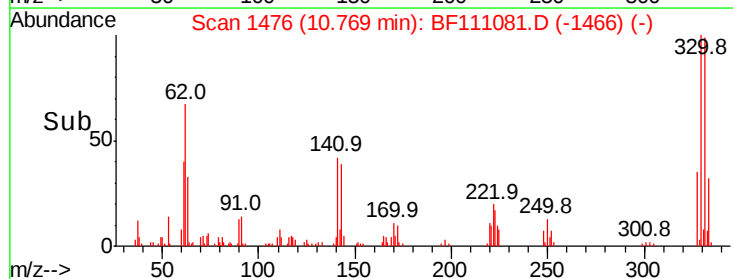
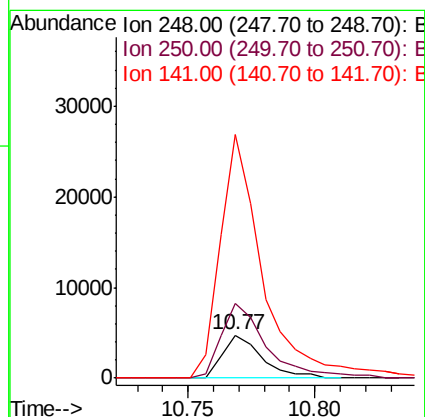
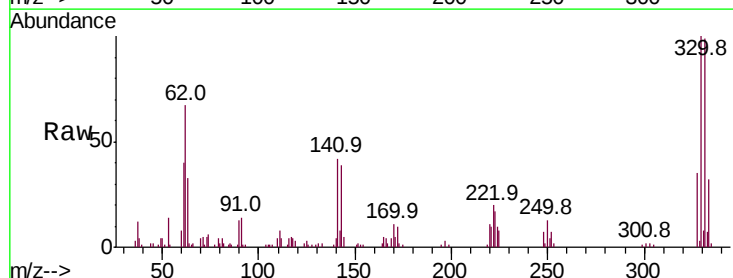
Instrument :
BNA_F
ClientSampleId :

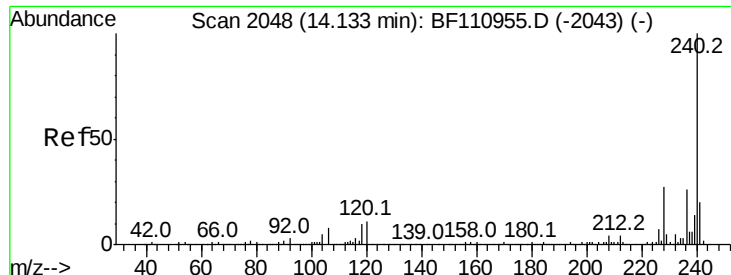
Tot Ion:188 Resp: 157020
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.994 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.24 min
Lab File: BF111081.D
Acq: 29 Nov 2018 8:50

Tgt Ion:248 Resp: 5120
Ion Ratio Lower Upper
248 100
250 175.1 79.4 119.2#
141 569.6 55.9 83.9#

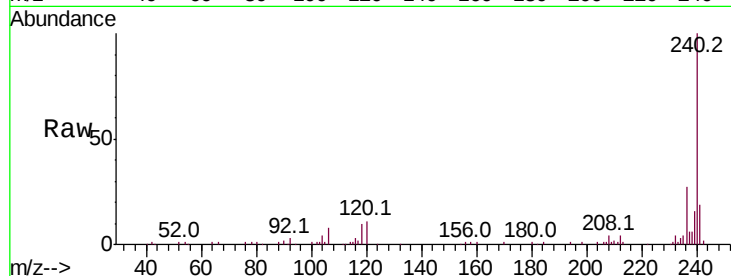




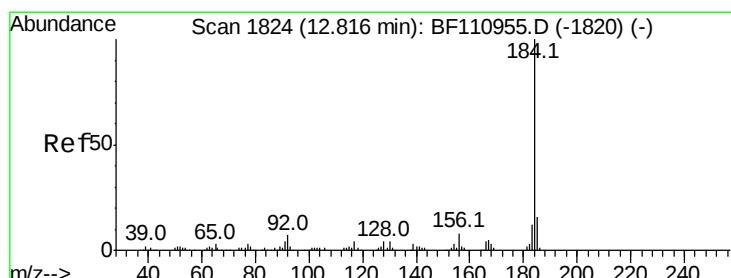
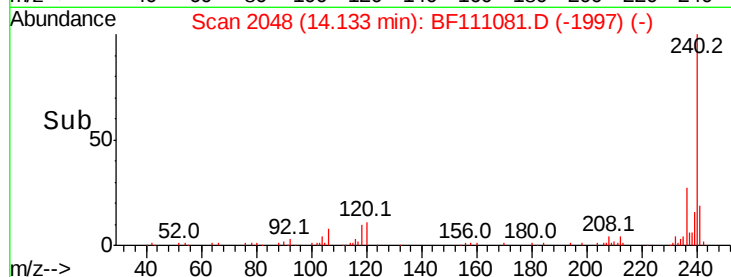
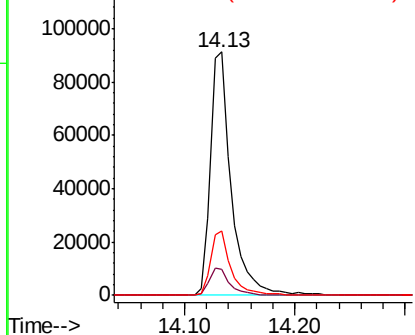
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: BF111081.D
 Acq: 29 Nov 2018 8:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 117337
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.3 12.5
 236 26.6 21.2 31.8

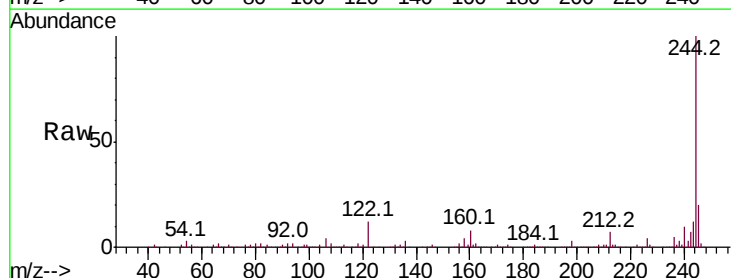


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

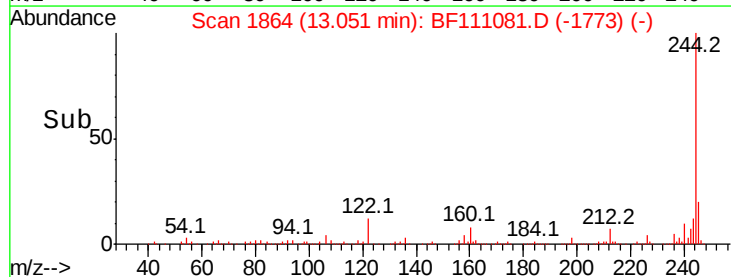
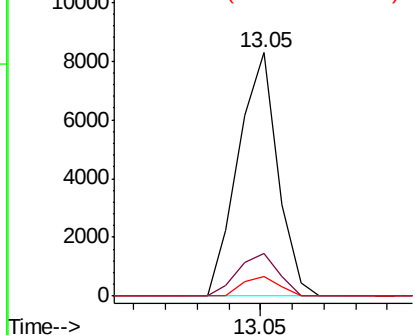


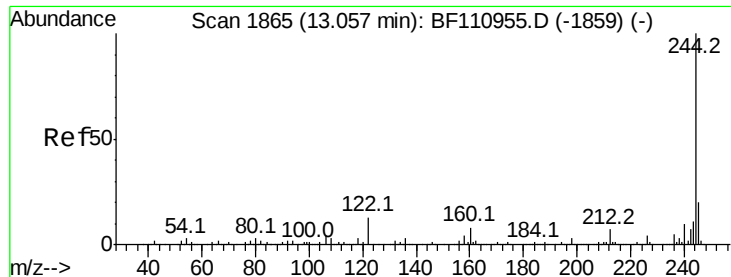
#77
 Benzidine
 Concen: 2.383 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. 0.24 min
 Lab File: BF111081.D
 Acq: 29 Nov 2018 8:50

Tgt Ion:184 Resp: 7151
 Ion Ratio Lower Upper
 184 100
 185 17.3 13.4 20.2
 183 8.0 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

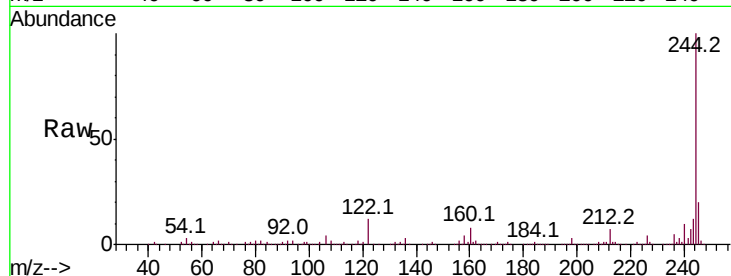




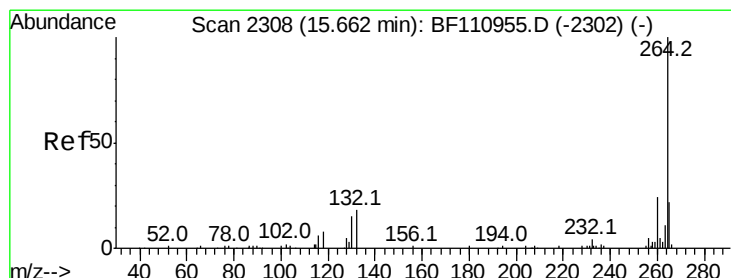
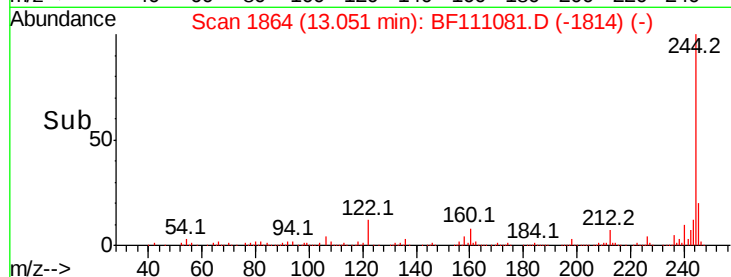
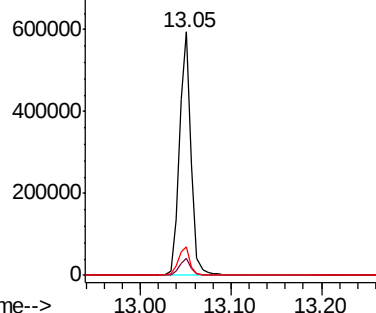
#79
 Terphenyl-d14
 Concen: 88.957 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF111081.D
 Acq: 29 Nov 2018 8:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 536204
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 11.6 8.7 13.1

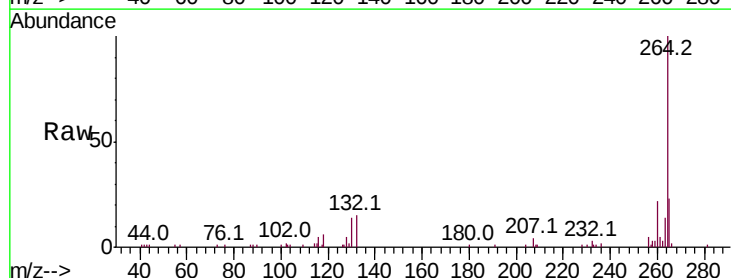


Abundance Ion 244.00 (243.70 to 244.70): E
 800000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BF111081.D
 Acq: 29 Nov 2018 8:50

Tgt Ion:264 Resp: 101056
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.7 28.1
 265 22.6 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

