

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111083.D
 Acq On : 29 Nov 2018 9:44
 Operator : JU/SJ
 Sample : J6078-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 11:32:08 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

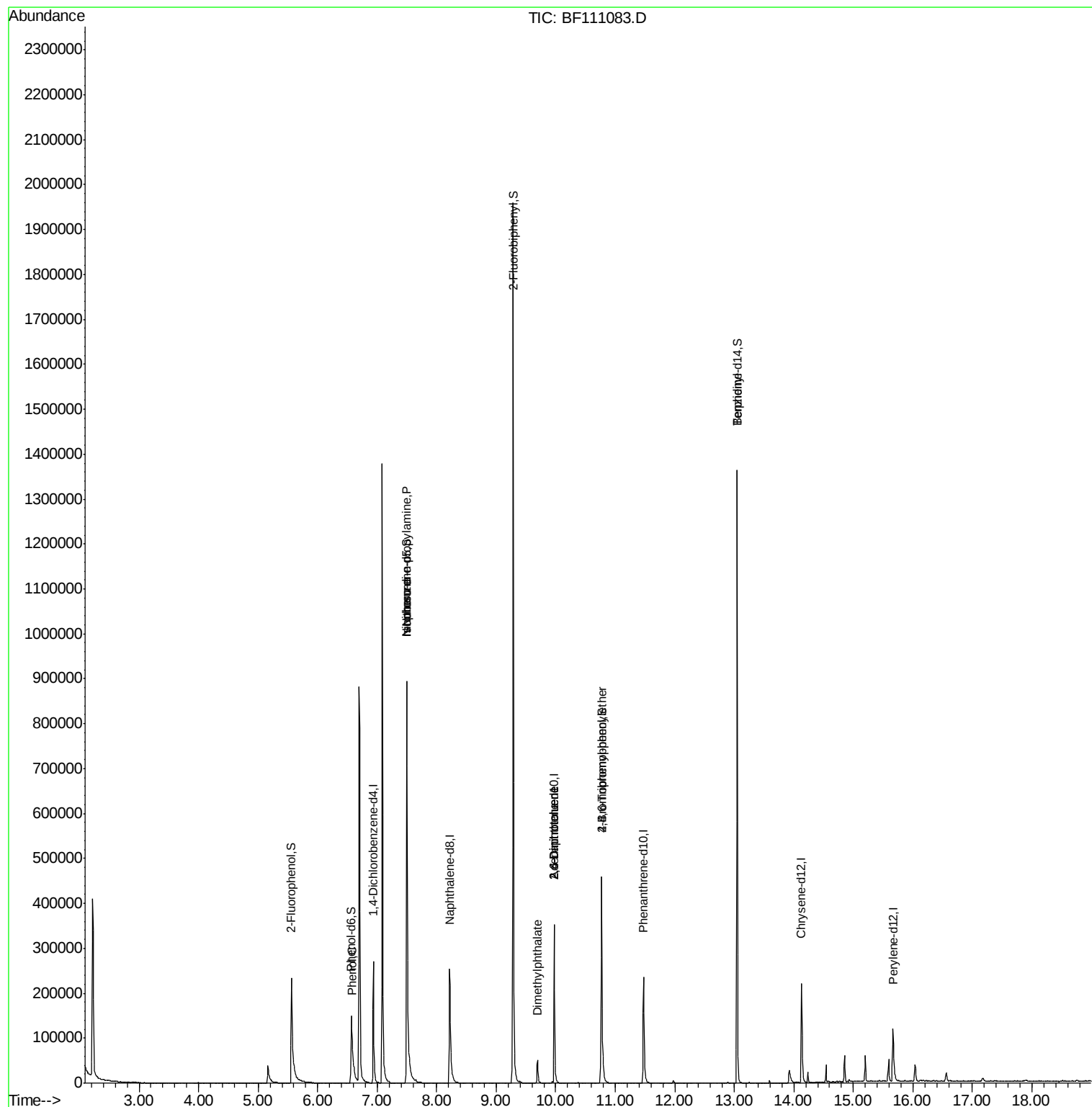
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	49799	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	203364	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	84543	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	128640	20.00	ng	0.00
76) Chrysene-d12	14.13	240	104756	20.00	ng	0.00
87) Perylene-d12	15.67	264	85180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	143399	47.75	ng	0.00
7) Phenol-d6	6.57	99	106018	27.09	ng	0.00
23) Nitrobenzene-d5	7.50	82	374221	105.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	70718	84.23	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	664995	113.96	ng	0.00
79) Terphenyl-d14	13.05	244	479629	89.13	ng	-0.01
Target Compounds						
10) Phenol	6.59	94	14420	3.272	ng	# 75
19) n-Nitroso-di-n-propylamine	7.50	70	48207	18.911	ng	# 79
25) Isophorone	7.50	82	375271	64.382	ng	# 67
50) Dimethylphthalate	9.69	163	32925	5.310	ng	# 97
51) 2,6-Dinitrotoluene	9.97	165	10192	7.384	ng	# 21
57) 2,4-Dinitrotoluene	9.97	165	10192	5.691	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	4186	2.988	ng	# 1
77) Benzidine	13.05	184	6341	2.367	ng	# 95

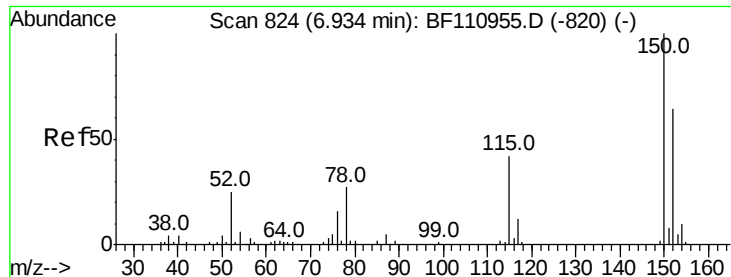
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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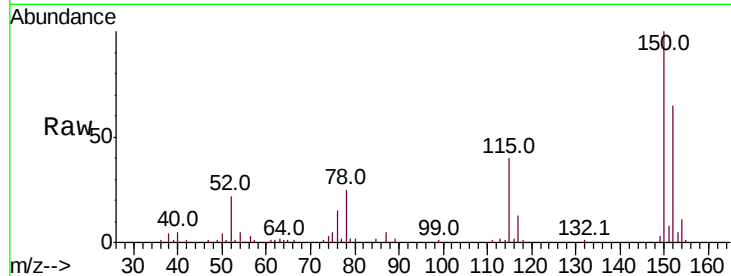


#1

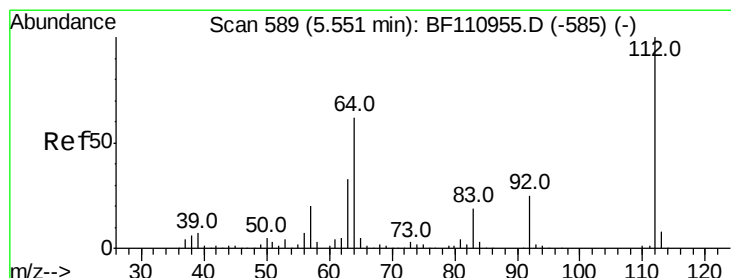
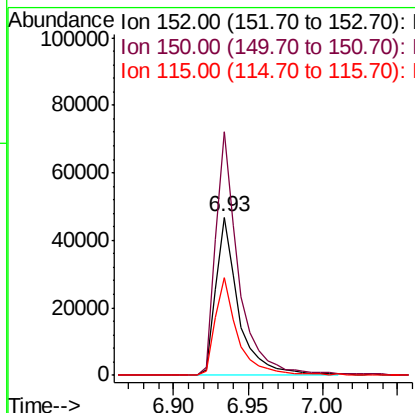
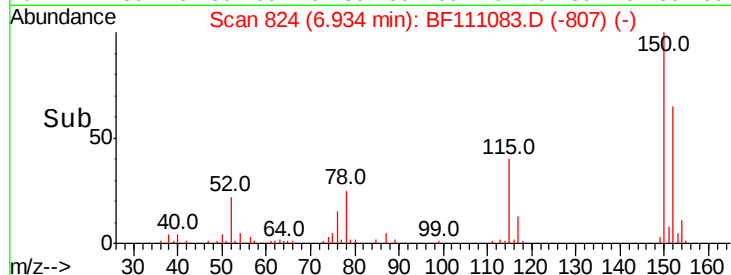
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 49799
Ion Ratio Lower Upper
152 100
150 154.2 122.7 184.1
115 61.9 49.1 73.7



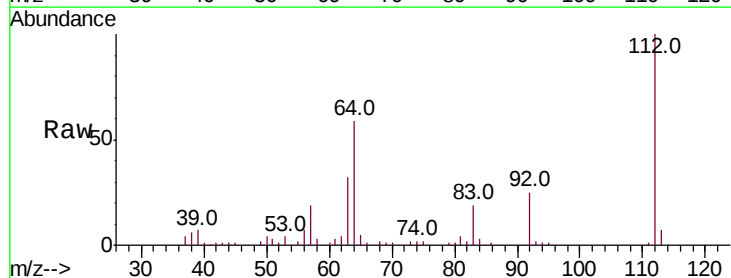
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



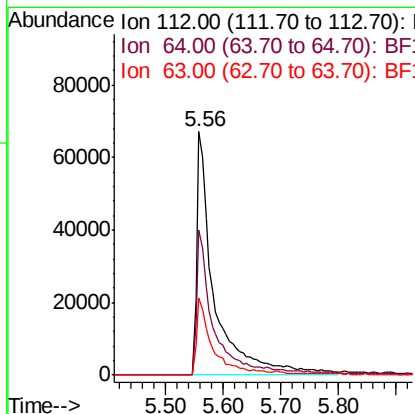
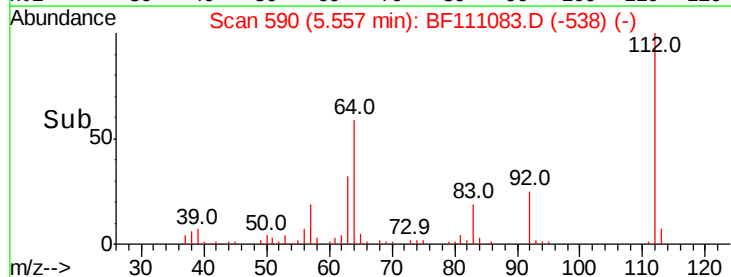
#5

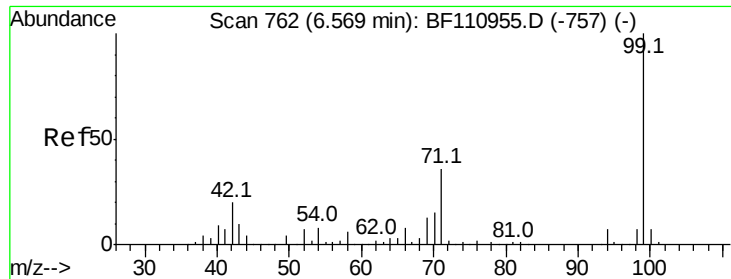
2-Fluorophenol
Concen: 47.752 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Tgt Ion:112 Resp: 143399
Ion Ratio Lower Upper
112 100
64 59.5 44.1 66.1
63 31.5 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: 27.091 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

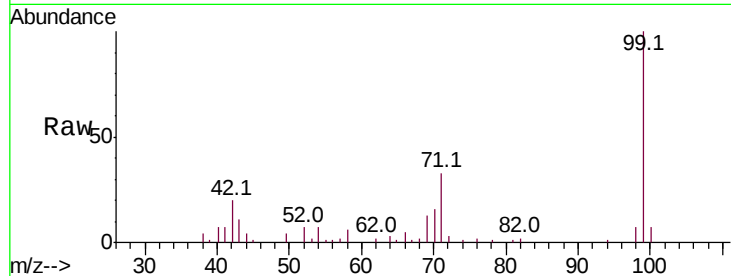
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 106018

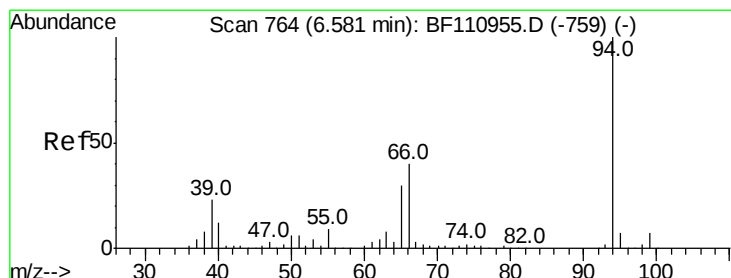
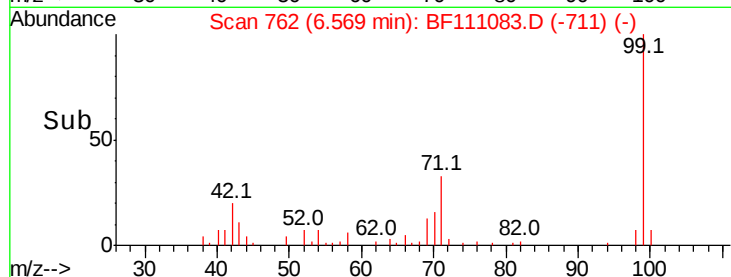
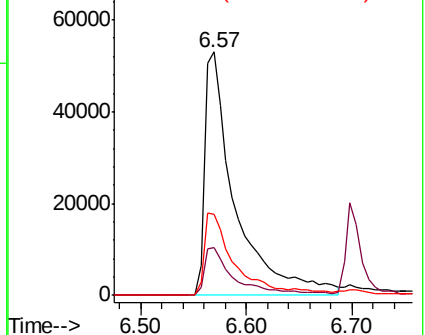
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.6
71	33.2	28.0	42.0



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: 3.272 ng

RT: 6.59 min Scan# 765

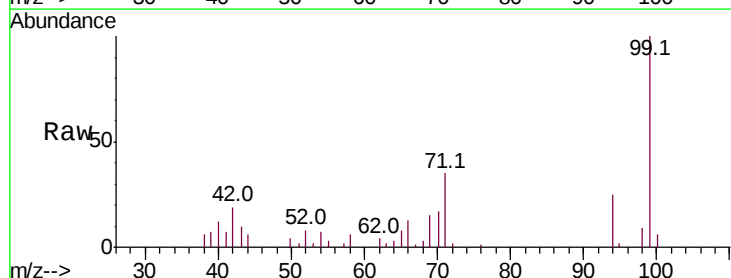
Delta R.T. 0.01 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Tgt Ion: 94 Resp: 14420

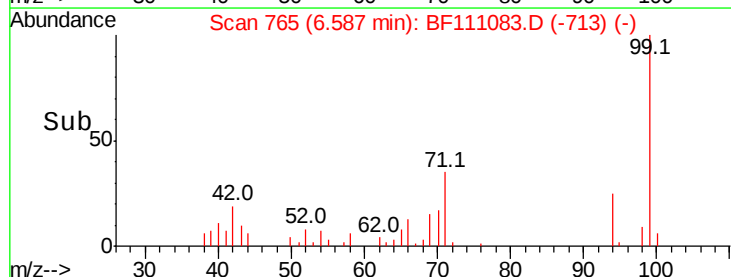
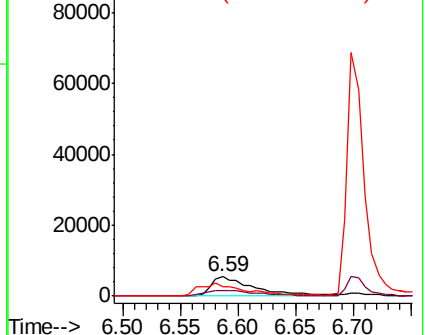
Ion	Ratio	Lower	Upper
94	100		
65	32.2	25.3	65.3
66	50.2	54.5	94.5#

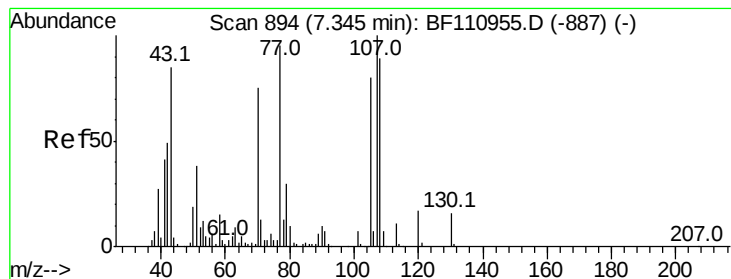


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 18.911 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.15 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 48207

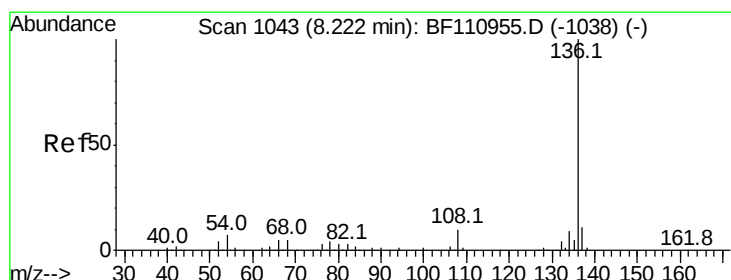
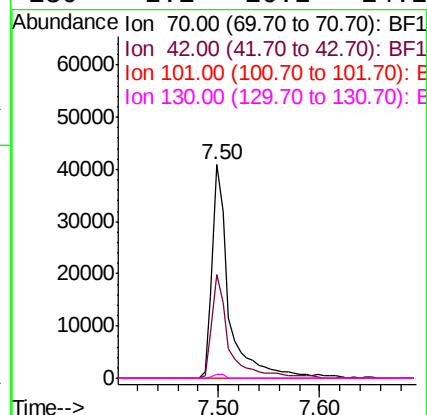
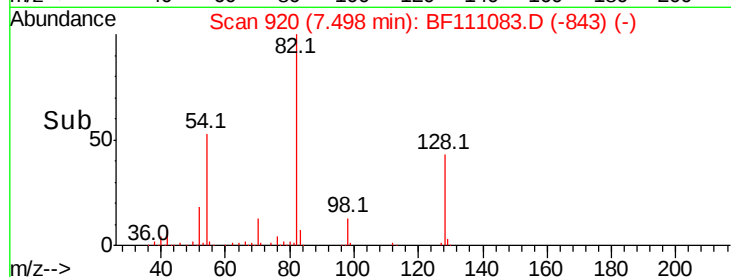
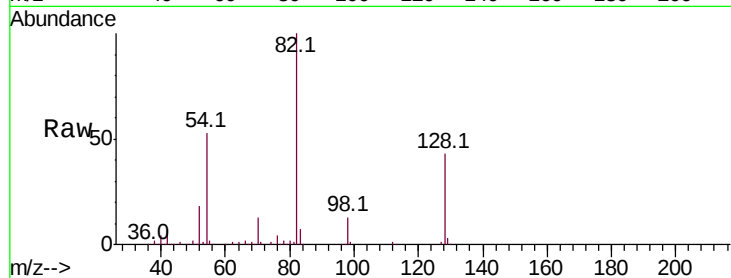
Ion Ratio Lower Upper

70 100

42 48.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.1 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Tgt Ion: 136 Resp: 203364

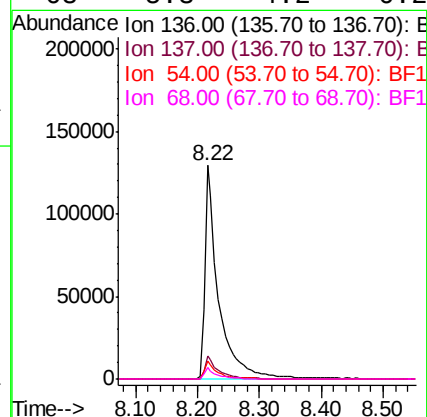
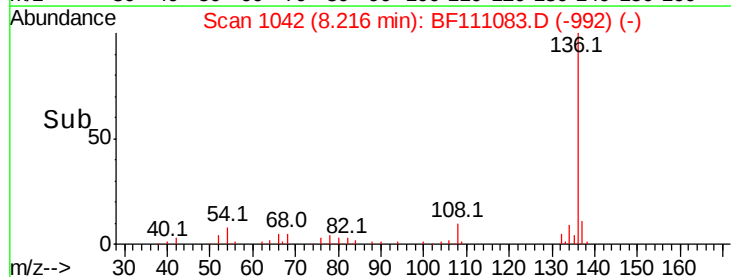
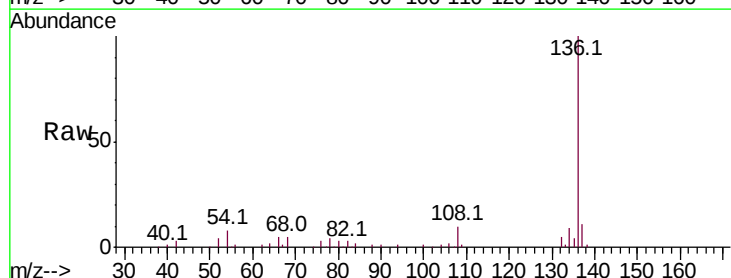
Ion Ratio Lower Upper

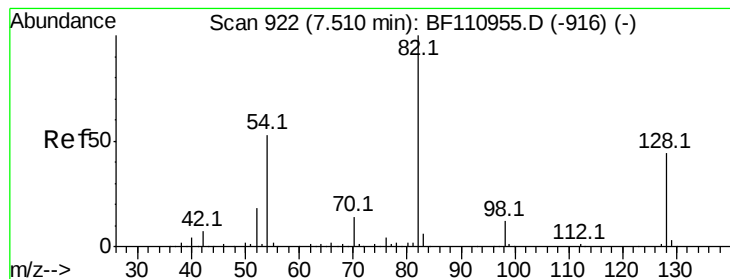
136 100

137 10.7 8.8 13.2

54 8.3 5.4 8.2#

68 5.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 105.313 ng

RT: 7.50 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Instrument :
BNA_F
ClientSampled :

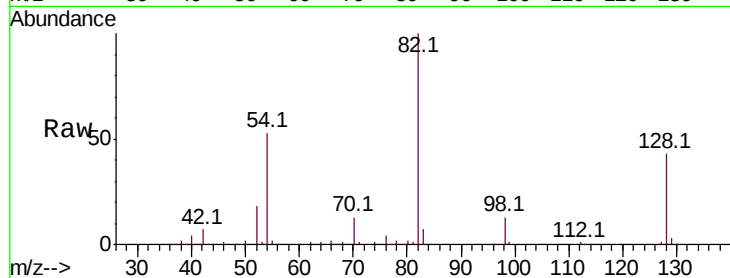
Tot Ion: 82 Resp: 374221

Ion Ratio Lower Upper

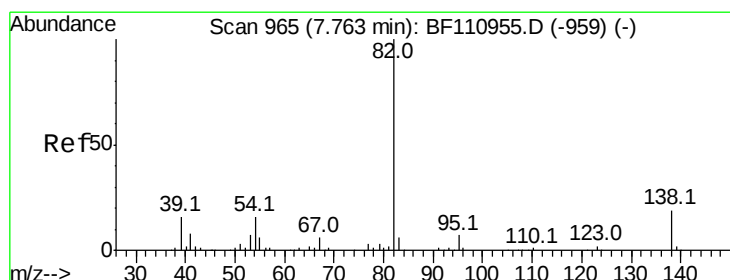
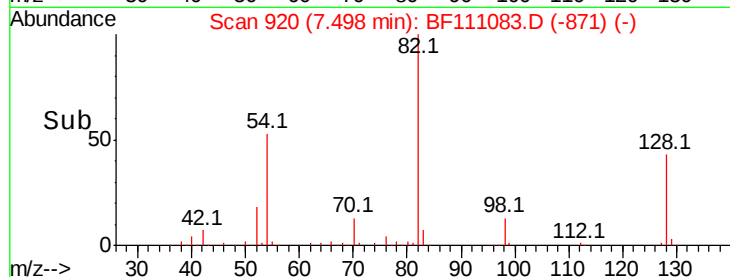
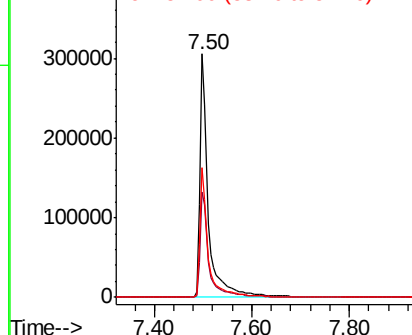
82 100

128 43.4 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): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 64.382 ng

RT: 7.50 min Scan# 920

Delta R.T. -0.26 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

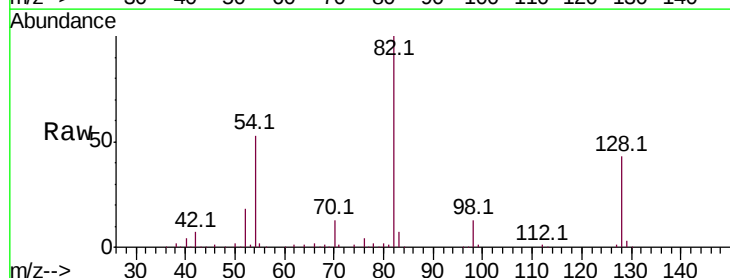
Tgt Ion: 82 Resp: 375271

Ion Ratio Lower Upper

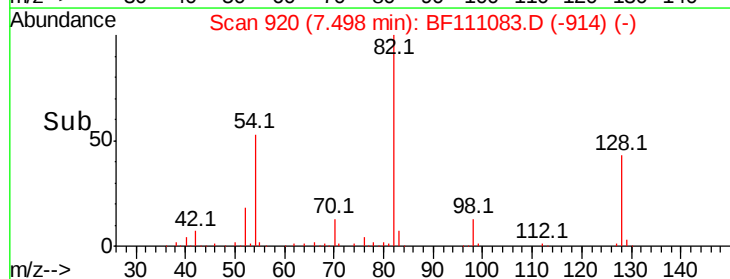
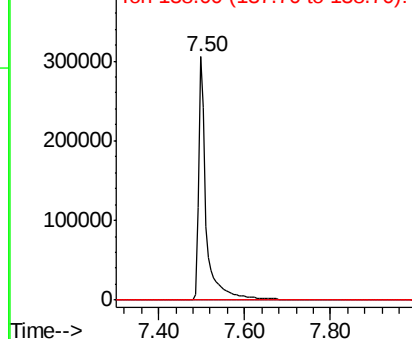
82 100

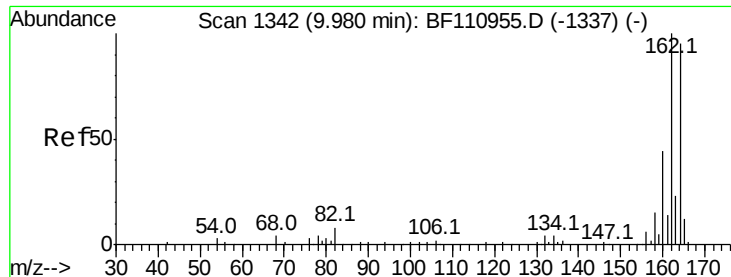
95 0.0 5.7 8.5#

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

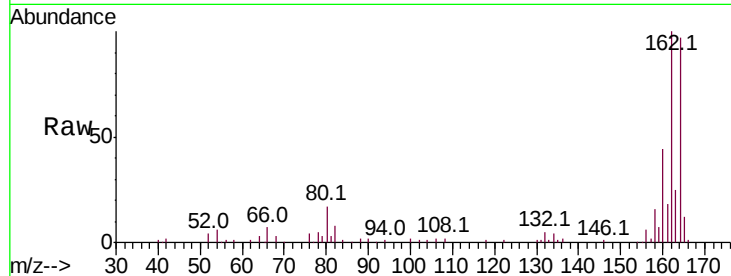




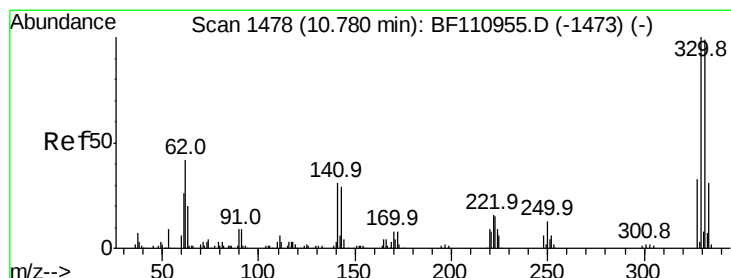
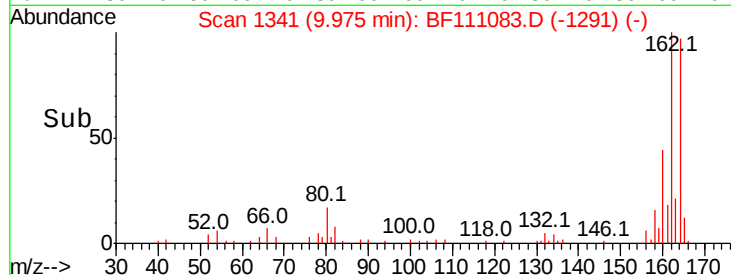
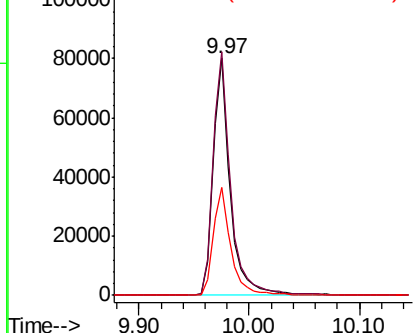
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 84543
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 45.7 37.0 55.6

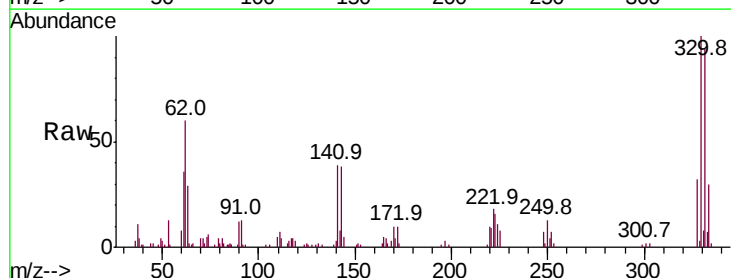


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

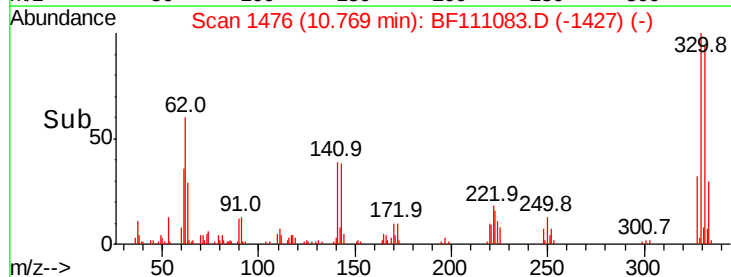
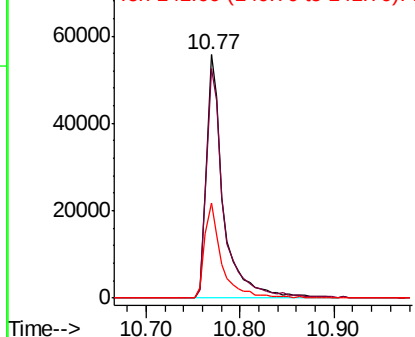


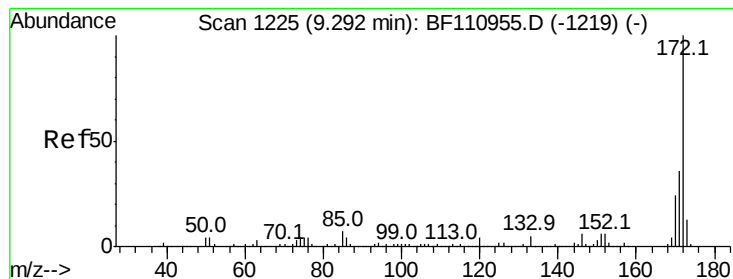
#42
2,4,6-Tribromophenol
Concen: 84.226 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Tgt Ion:330 Resp: 70718
Ion Ratio Lower Upper
330 100
332 96.4 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: 113.957 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Instrument :

BNA_F

ClientSampleId :

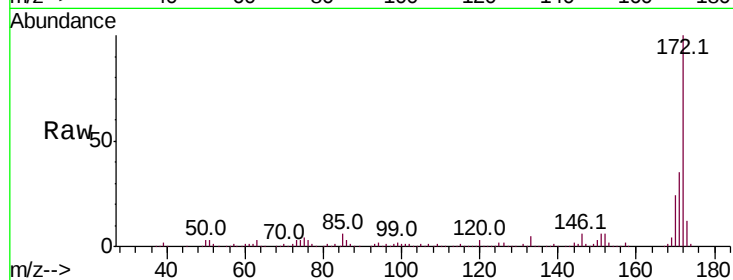
Tot Ion:172 Resp: 664995

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

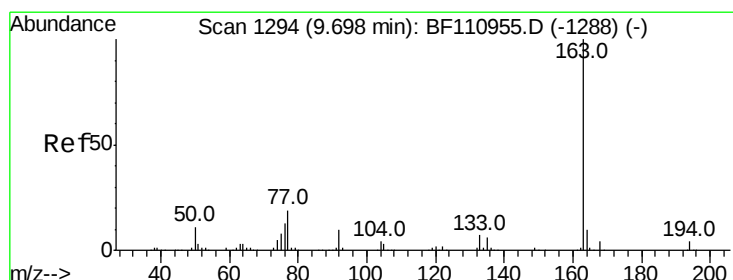
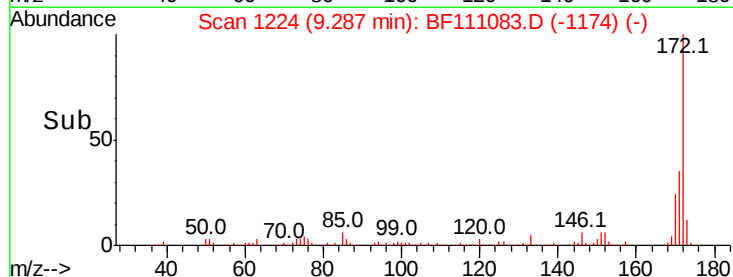
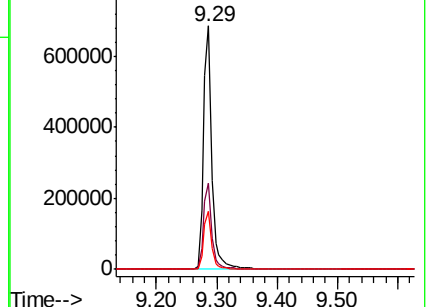
170 23.8 19.7 29.5



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: 5.310 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

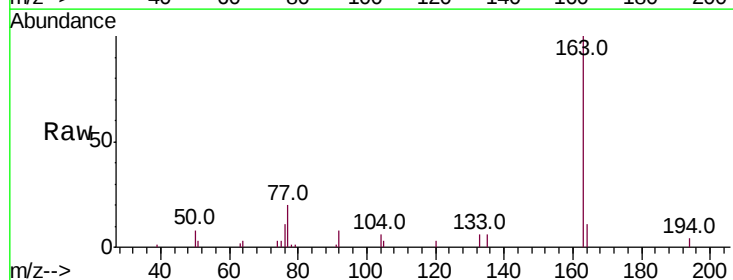
Tgt Ion:163 Resp: 32925

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

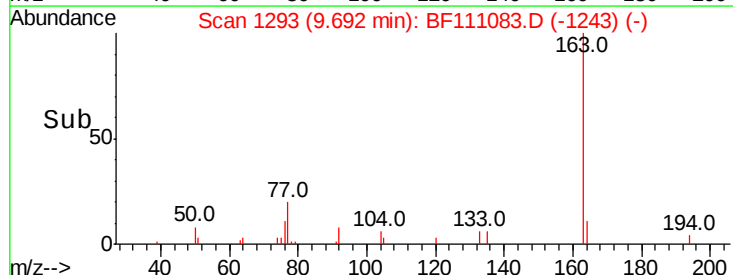
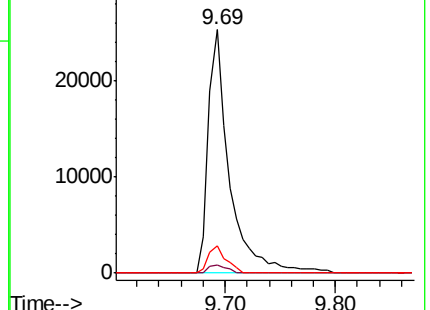
164 11.2 8.1 12.1

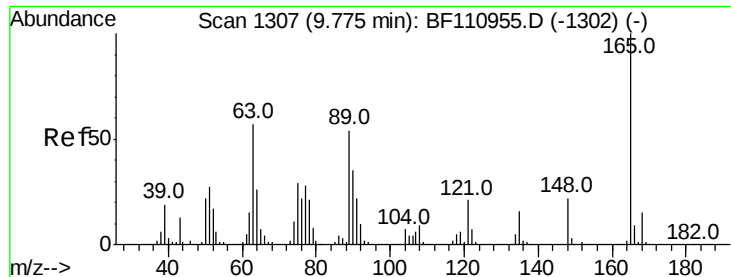


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.384 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.20 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Instrument :

BNA_F

ClientSampleId :

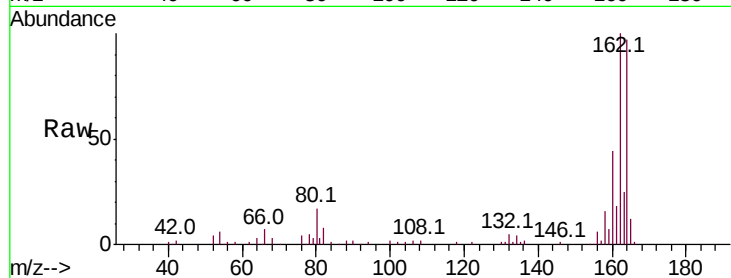
Tot Ion:165 Resp: 10192

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

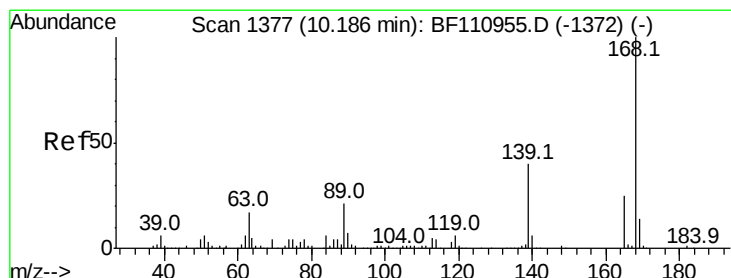
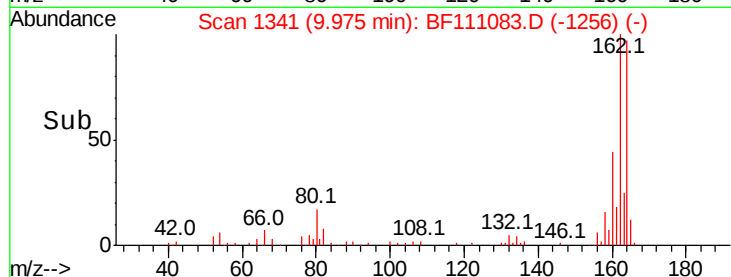
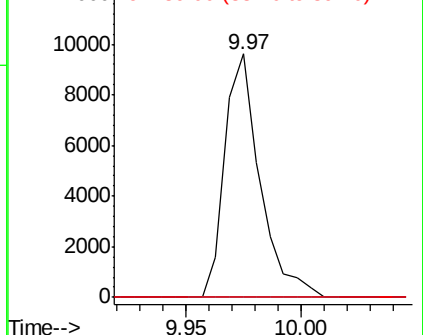
89 0.0 46.6 69.8#



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: 5.691 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.21 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Tgt Ion:165 Resp: 10192

Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

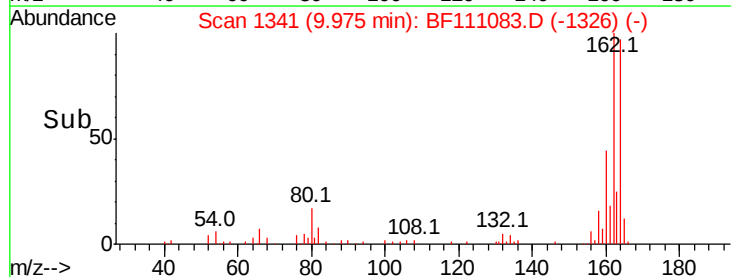
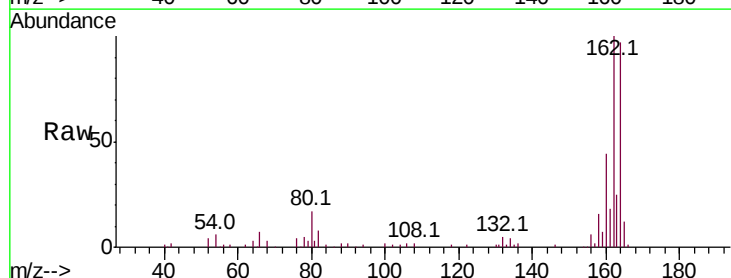
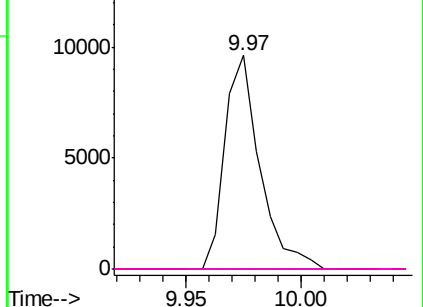
182 0.0 2.1 3.1#

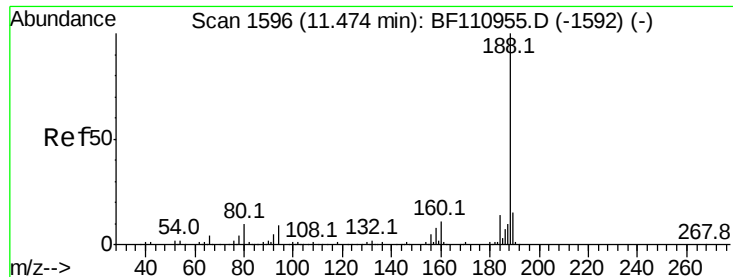
Abundance Ion 165.00 (164.70 to 165.70): E

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

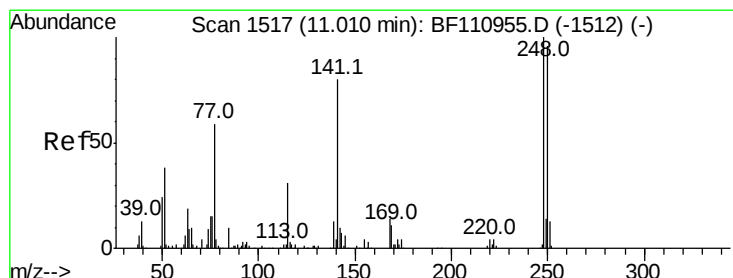
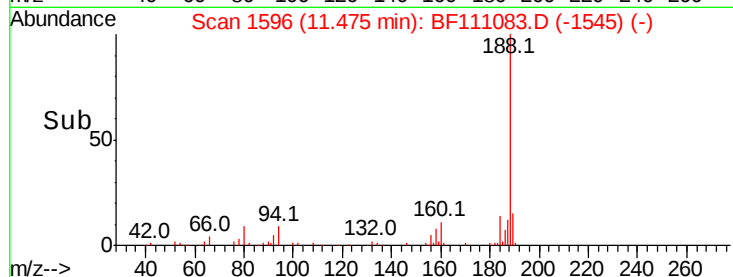
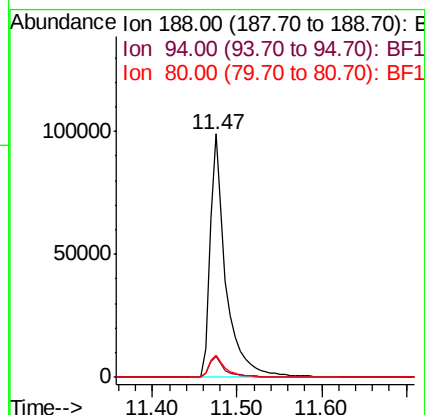
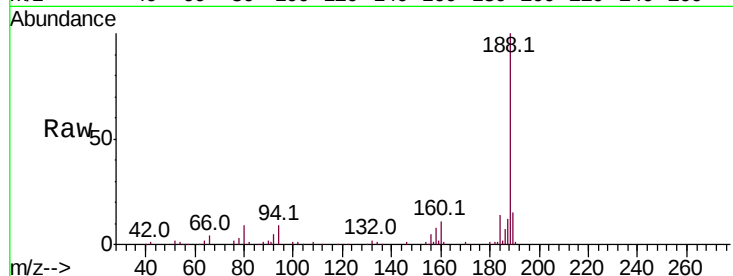




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

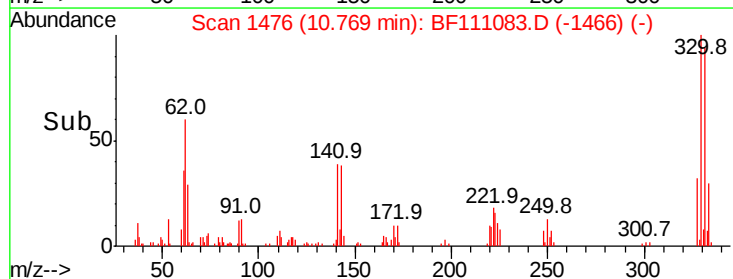
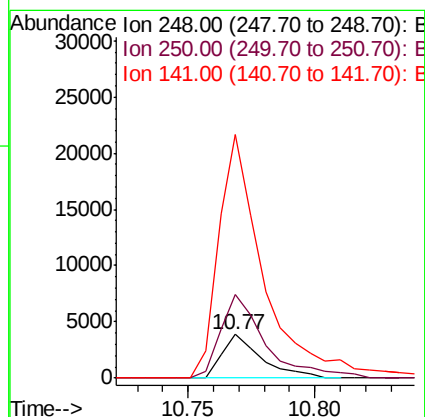
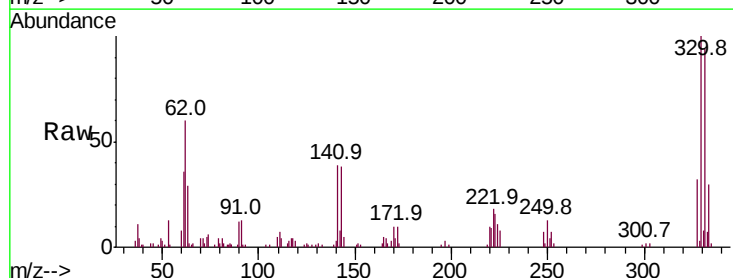
Instrument :
BNA_F
ClientSampled :

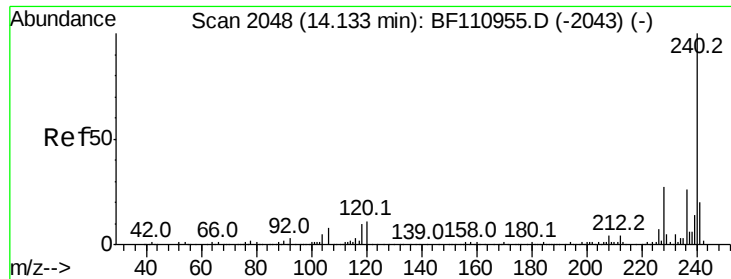
Tot Ion:188 Resp: 128640
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.988 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.24 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Tgt Ion:248 Resp: 4186
Ion Ratio Lower Upper
248 100
250 190.9 79.4 119.2#
141 555.3 55.9 83.9#

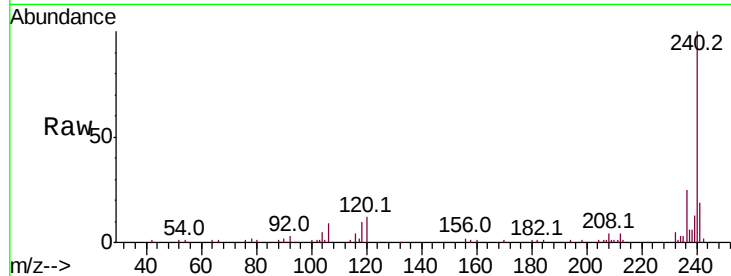




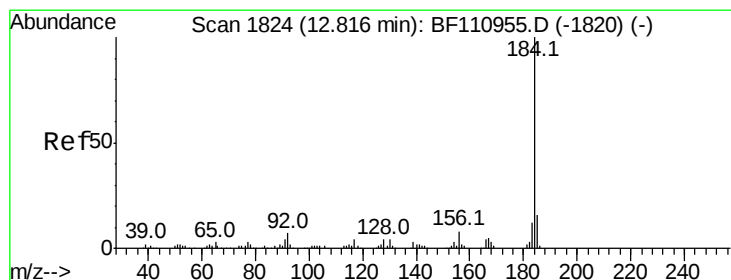
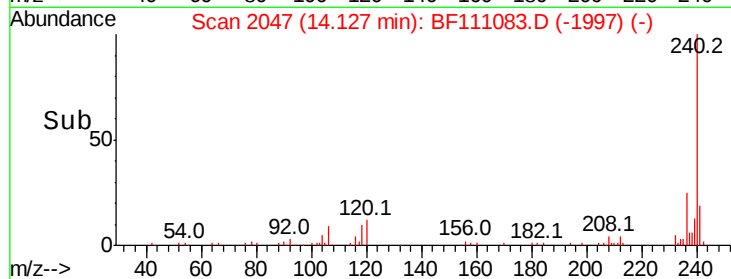
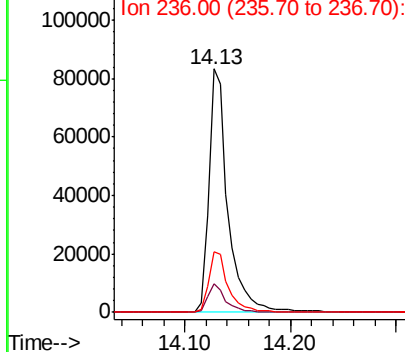
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 104756
Ion Ratio Lower Upper
240 100
120 12.0 8.3 12.5
236 24.8 21.2 31.8

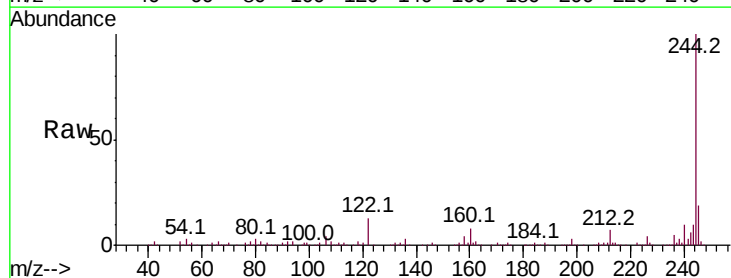


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

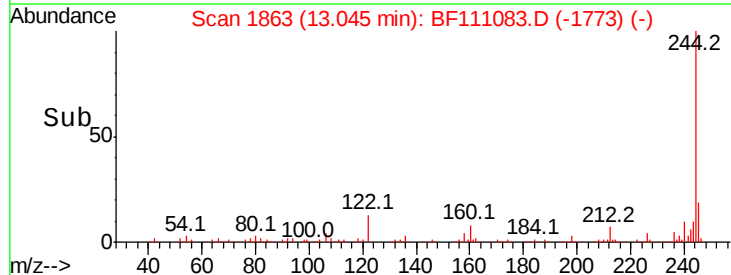
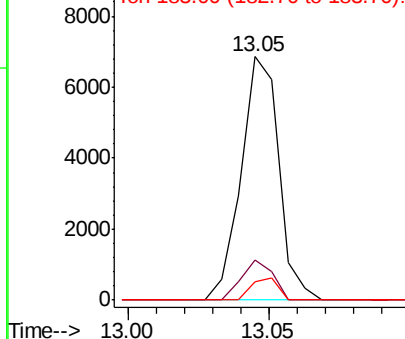


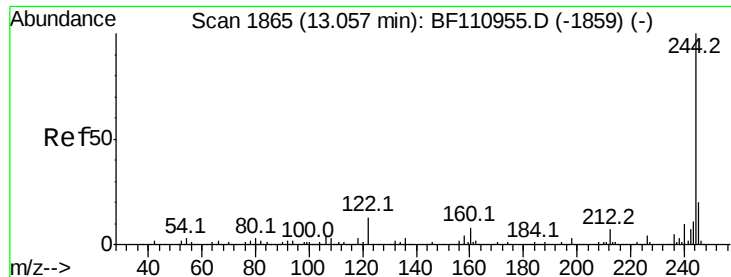
#77
Benzidine
Concen: 2.367 ng
RT: 13.05 min Scan# 1863
Delta R.T. 0.23 min
Lab File: BF111083.D
Acq: 29 Nov 2018 9:44

Tgt Ion:184 Resp: 6341
Ion Ratio Lower Upper
184 100
185 16.3 13.4 20.2
183 7.4 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: 89.128 ng

RT: 13.05 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

Instrument :

BNA_F

ClientSampleId :

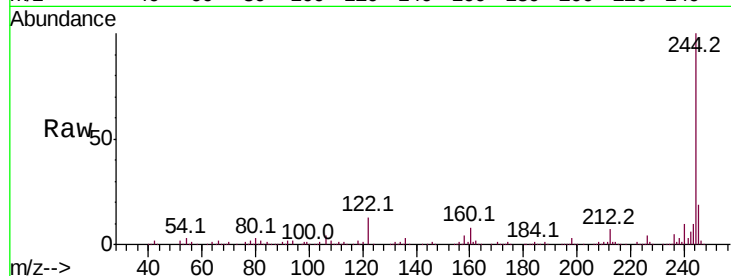
Tot Ion:244 Resp: 479629

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

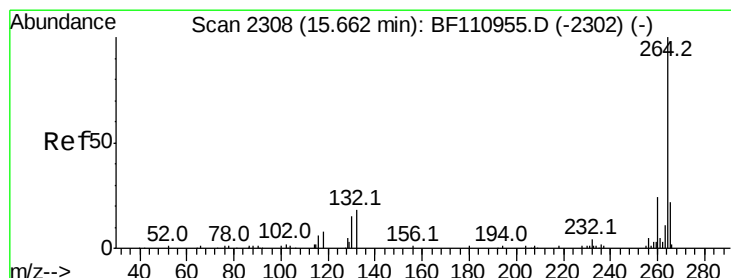
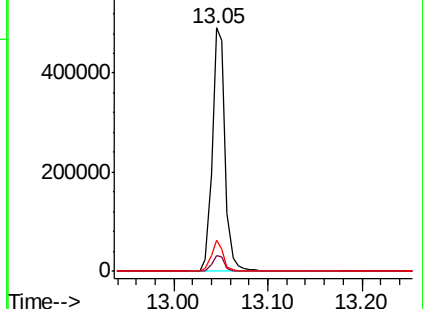
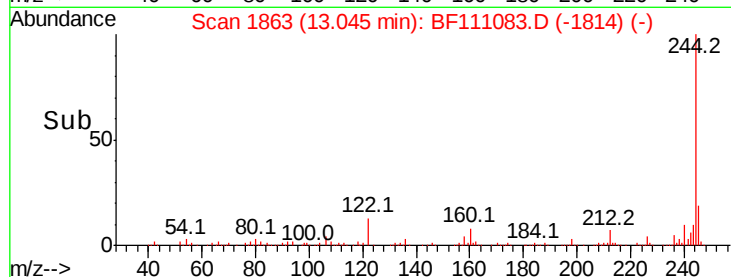
122 12.8 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BF111083.D

Acq: 29 Nov 2018 9:44

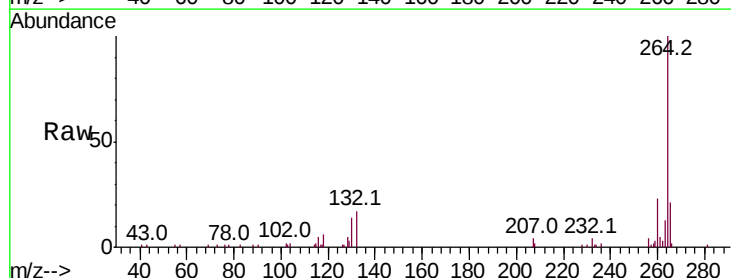
Tgt Ion:264 Resp: 85180

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 20.9 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

