

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090618\
 Data File : BF108827.D
 Acq On : 6 Sep 2018 17:04
 Operator : JU/SJ
 Sample : J4801-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 18:29:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

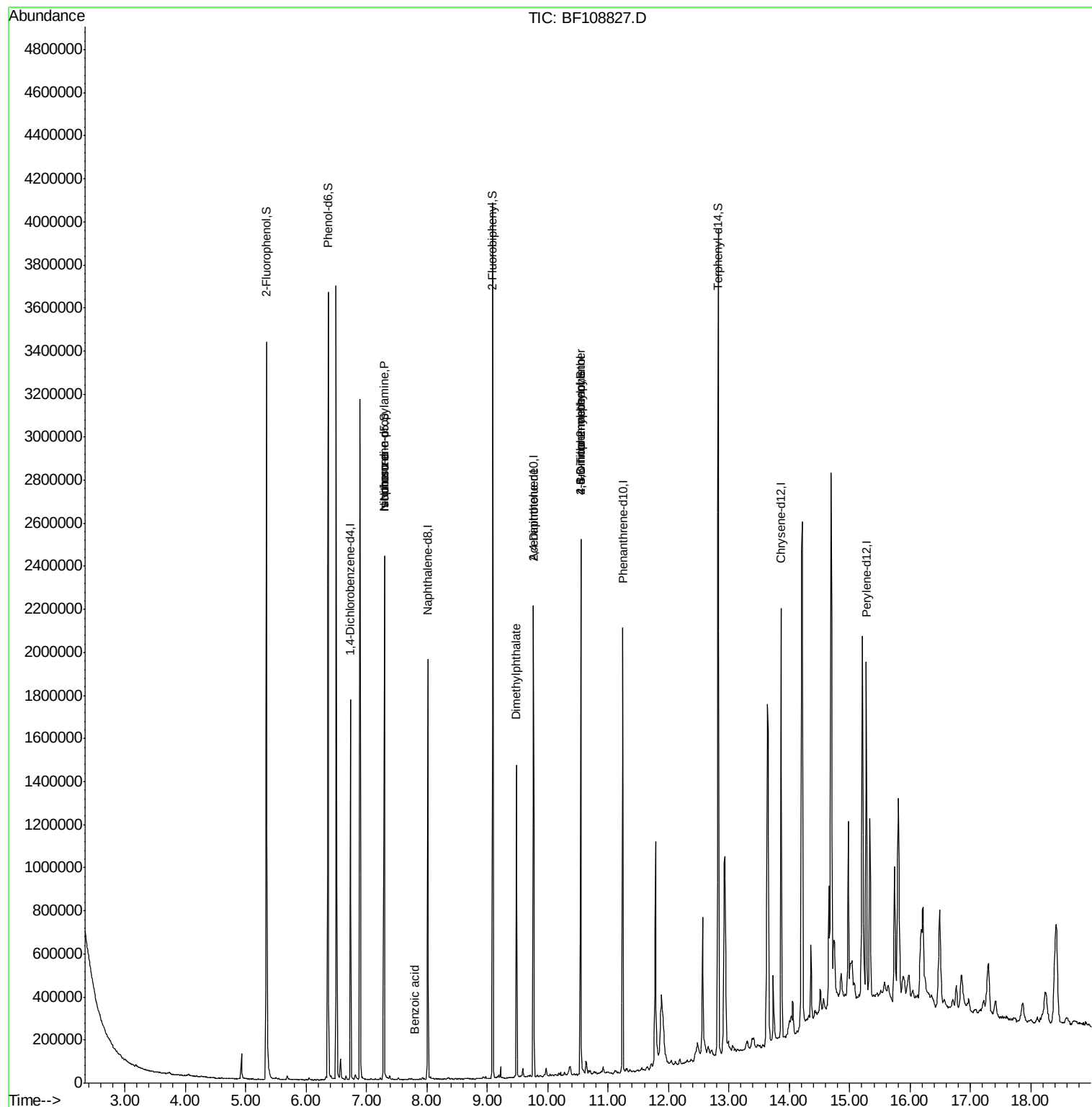
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	237641	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	870484	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	381716	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	654121	20.00	ng	0.00
75) Chrysene-d12	13.87	240	618129	20.00	ng	0.00
86) Perylene-d12	15.28	264	721066	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1082750	75.48	ng	0.01
7) Phenol-d6	6.37	99	1353543	73.34	ng	0.00
23) Nitrobenzene-d5	7.30	82	828021	59.53	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	285155	78.25	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1309766	58.54	ng	0.00
78) Terphenyl-d14	12.82	244	1172562	44.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	111410	8.684	ng	# 76
25) Isophorone	7.30	82	819287	29.529	ng	# 64
32) Benzoic acid	7.80	122	113	4.032	ng	# 1
49) Dimethylphthalate	9.48	163	521873	19.547	ng	# 99
56) 2,4-Dinitrotoluene	9.77	165	48618	7.473	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	545	7.050	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	18122	2.453	ng	# 1

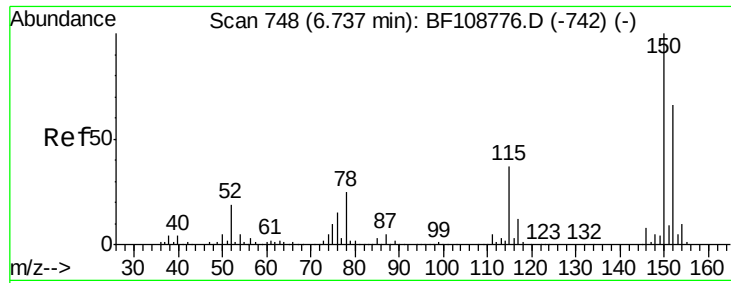
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



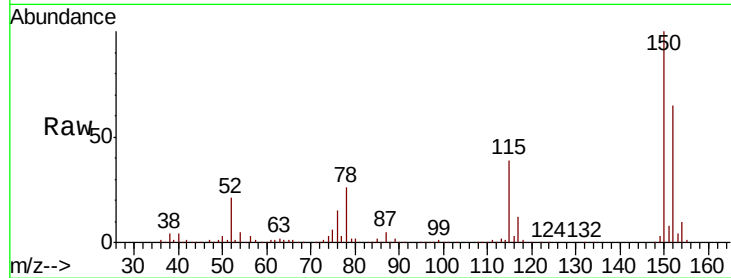


#1

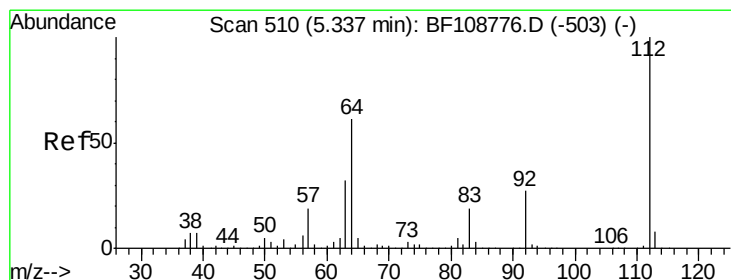
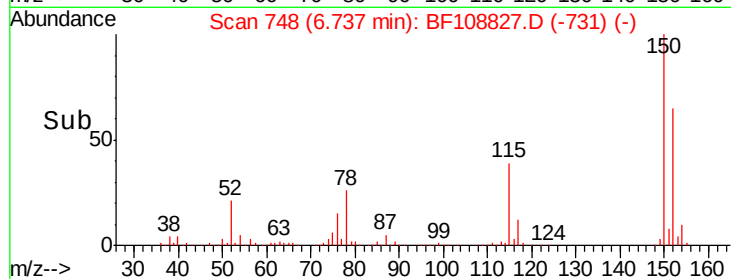
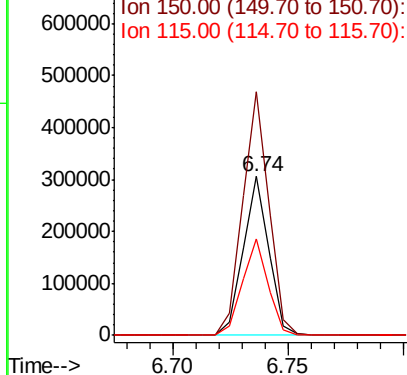
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 237641
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 60.3 50.1 75.1



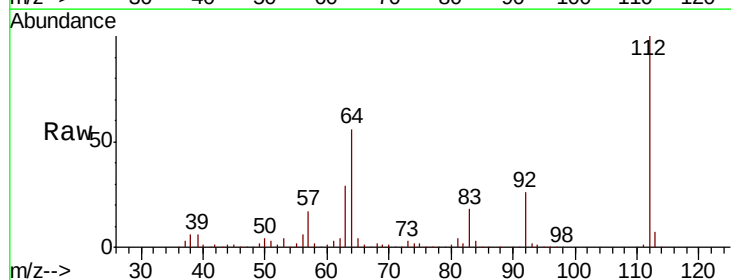
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



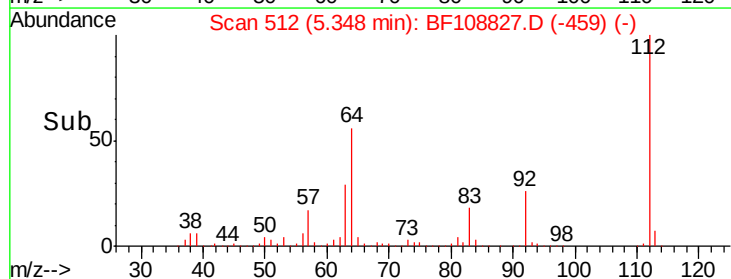
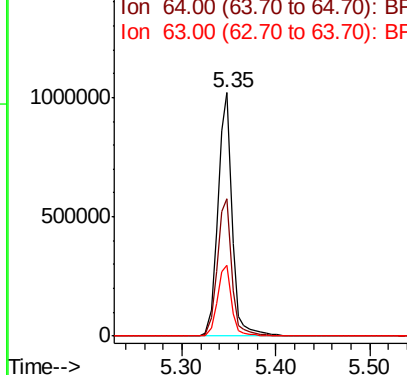
#5

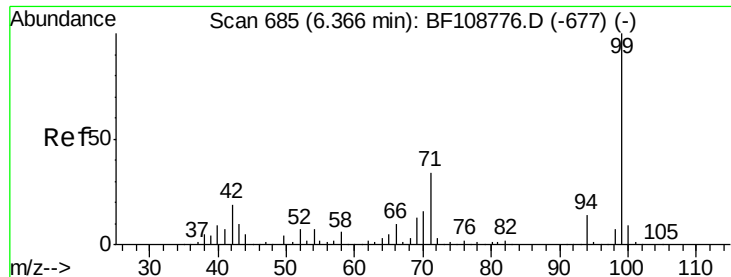
2-Fluorophenol
Concen: 75.482 ng
RT: 5.35 min Scan# 512
Delta R.T. 0.01 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Tgt Ion:112 Resp: 1082750
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.3 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: 73.337 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

Instrument :

BNA_F

ClientSampleId :

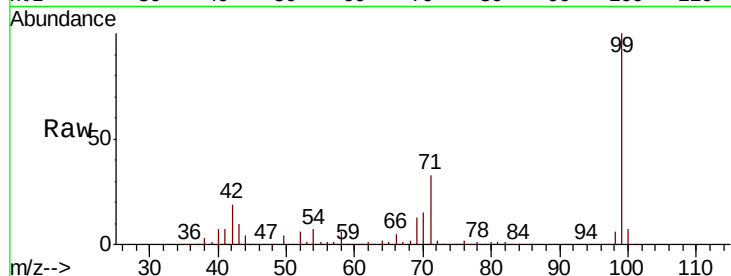
Tot Ion: 99 Resp: 1353543

Ion Ratio Lower Upper

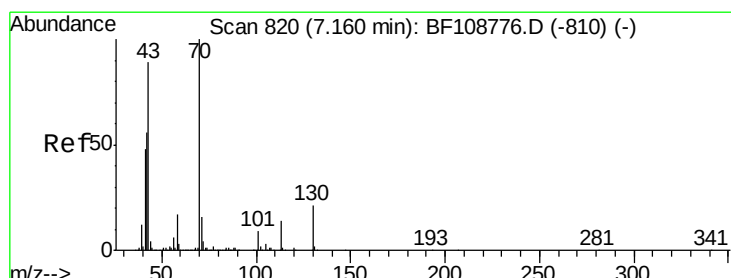
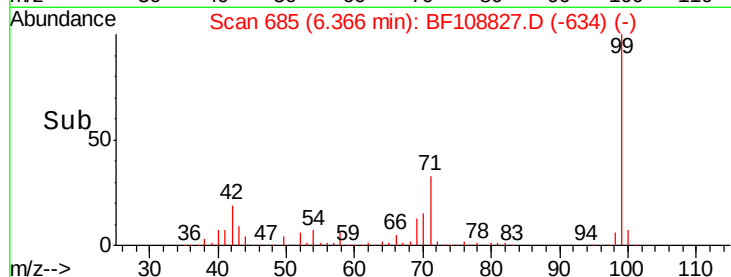
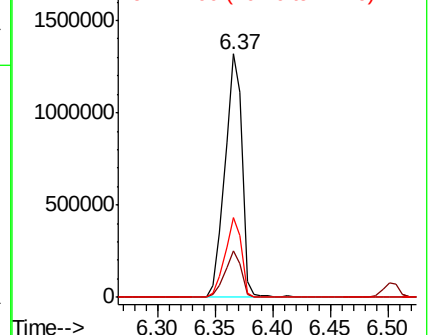
99 100

42 19.0 14.5 21.7

71 33.0 25.4 38.0



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: 8.684 ng

RT: 7.30 min Scan# 843

Delta R.T. 0.14 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

Tgt Ion: 70 Resp: 111410

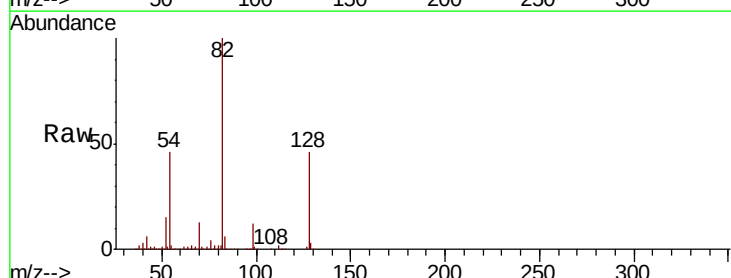
Ion Ratio Lower Upper

70 100

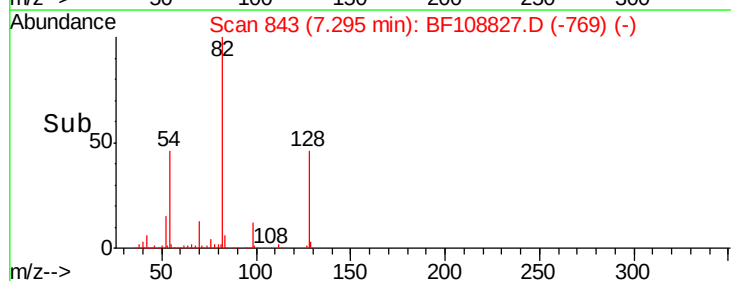
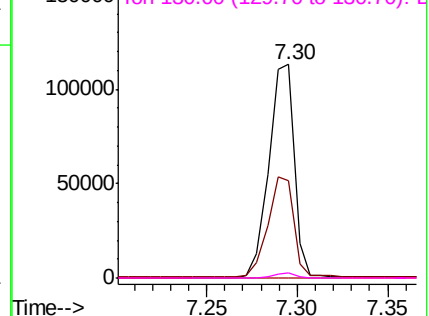
42 45.6 47.5 71.3#

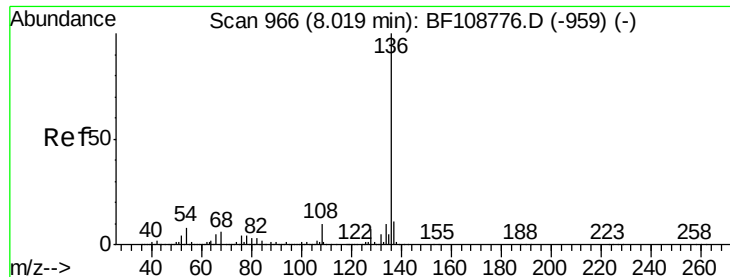
101 0.0 7.4 11.2#

130 2.6 16.6 25.0#



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

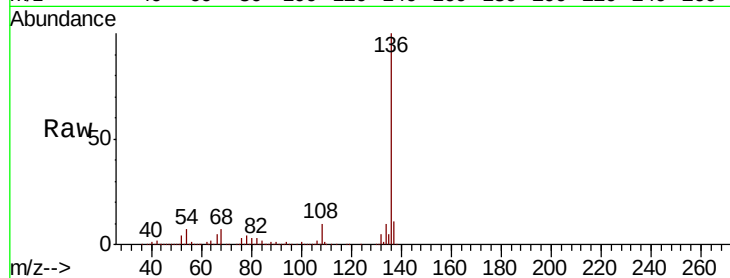




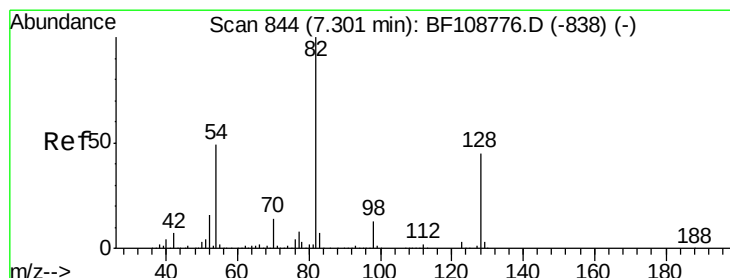
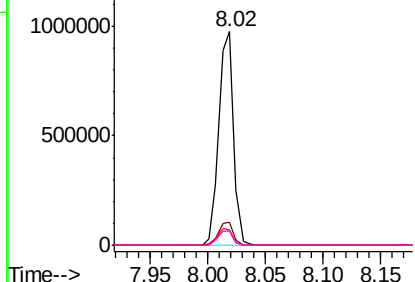
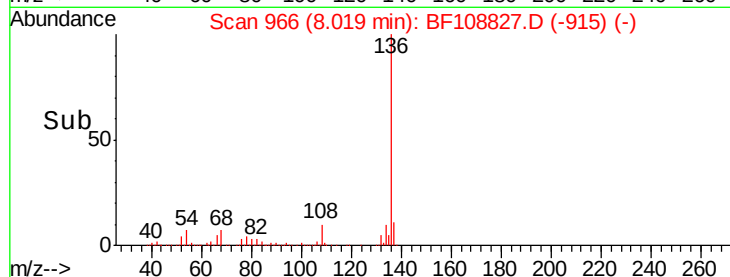
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	870484
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 7.4	6.6	9.8
68 6.6	5.0	7.4

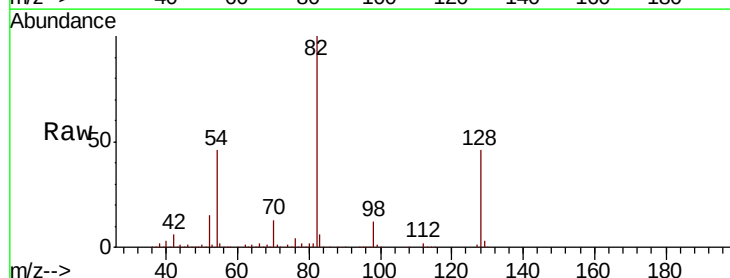


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

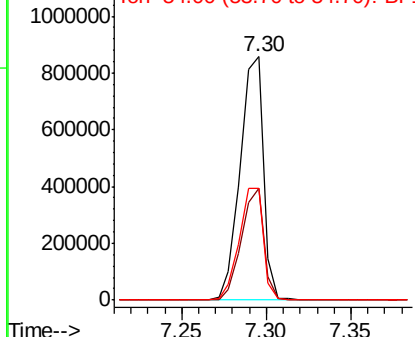
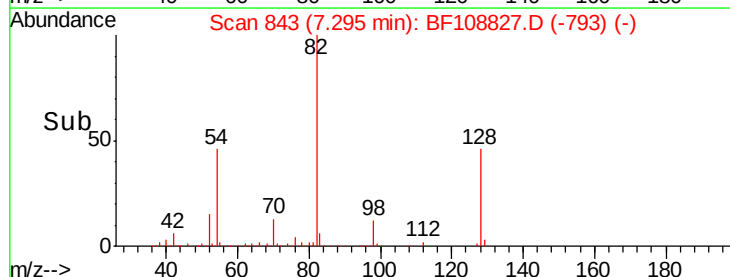


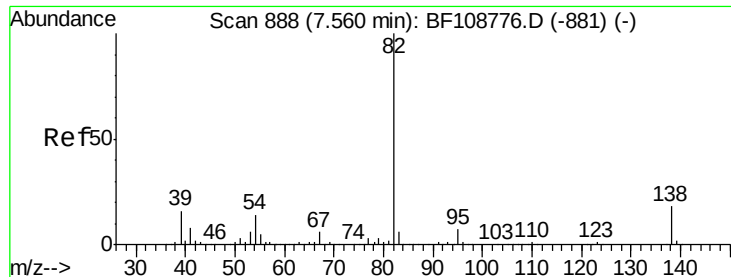
#23
Nitrobenzene-d5
Concen: 59.528 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Tgt Ion: 82	Resp: 828021
Ion Ratio	Lower Upper
82 100	
128 45.8	36.1 54.1
54 46.1	41.4 62.2



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: 29.529 ng

RT: 7.30 min Scan# 843

Delta R.T. -0.26 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

Instrument :

BNA_F

ClientSampleID :

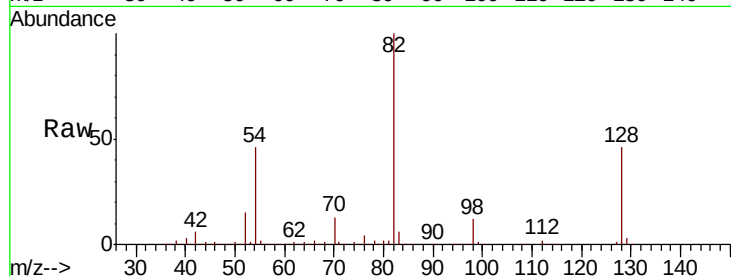
Tot Ion: 82 Resp: 819287

Ion Ratio Lower Upper

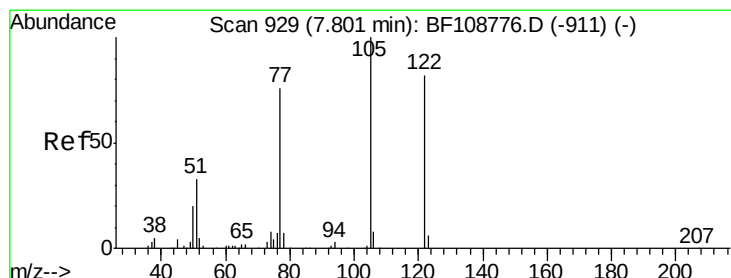
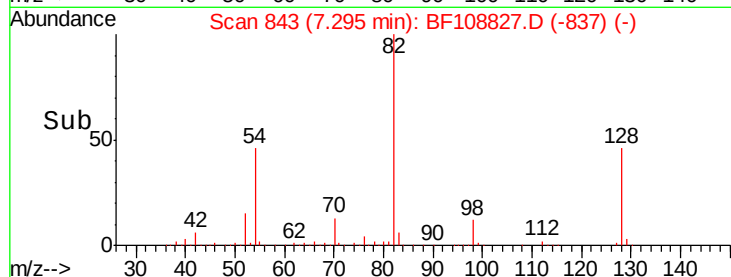
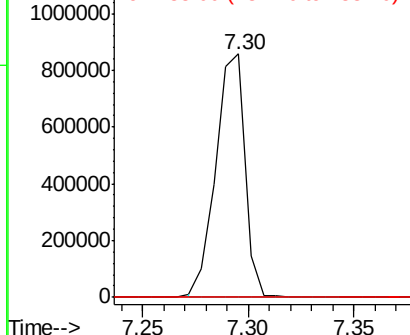
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 4.032 ng

RT: 7.80 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

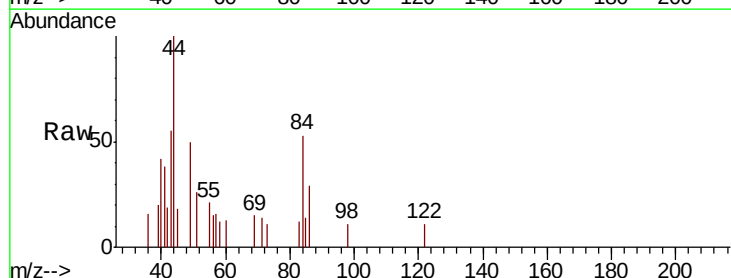
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

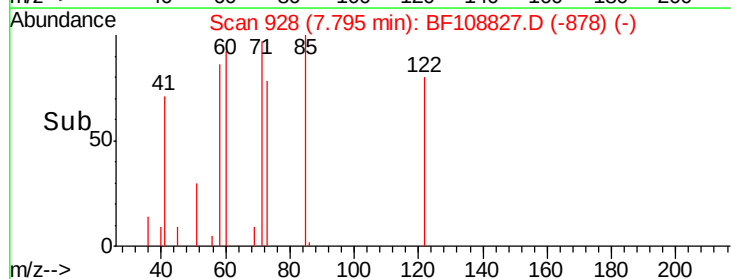
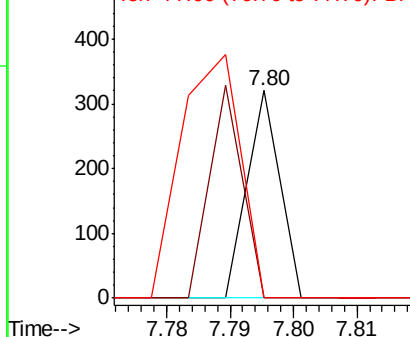
122 100

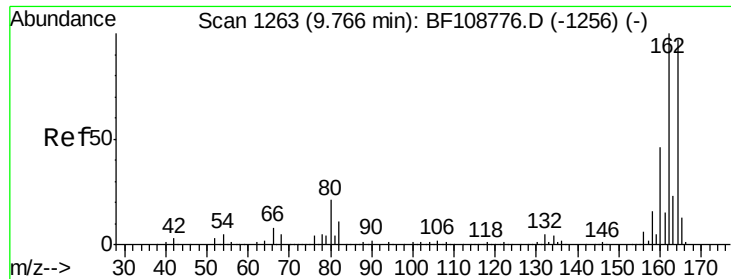
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

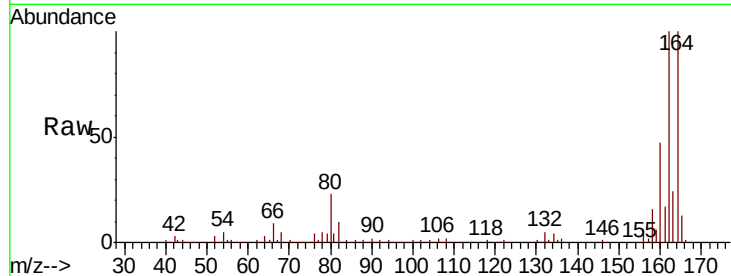




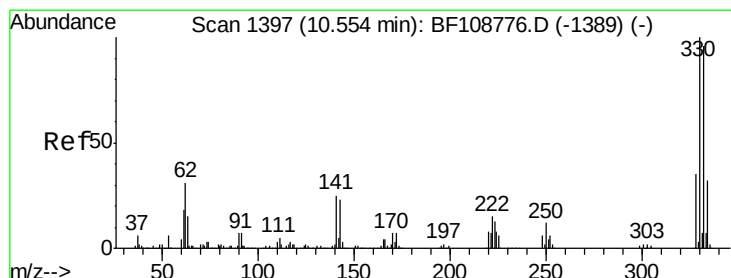
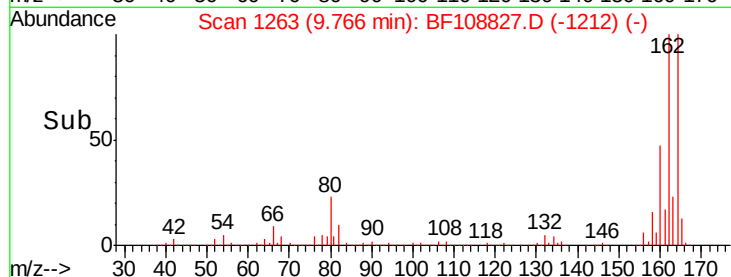
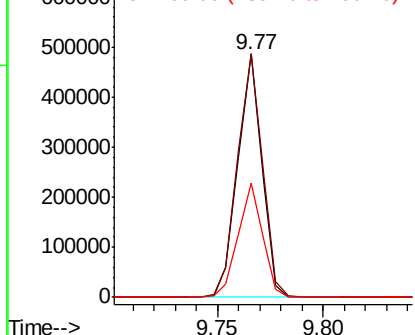
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108827.D
 Acq: 6 Sep 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 381716
 Ion Ratio Lower Upper
 164 100
 162 100.0 86.1 129.1
 160 46.8 38.3 57.5

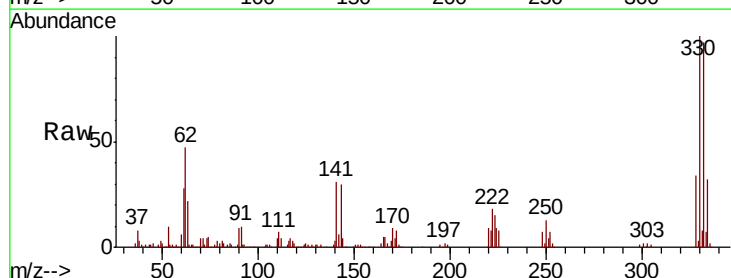


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

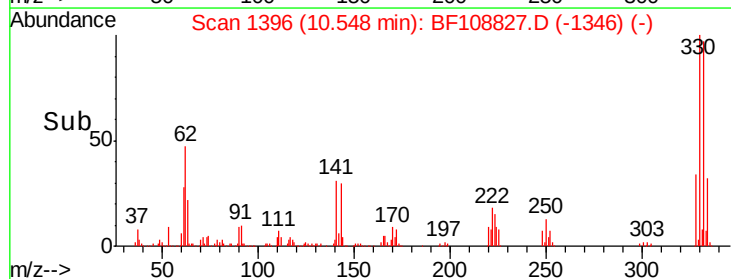
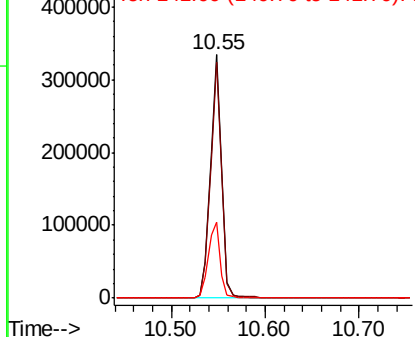


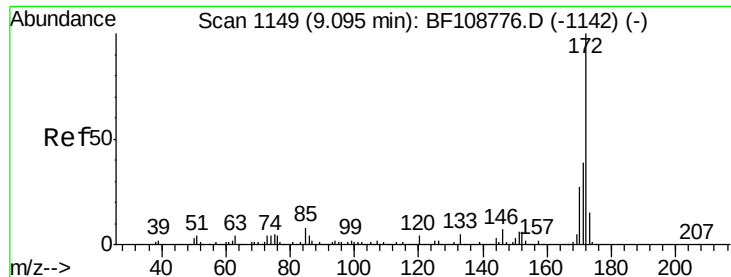
#41
 2,4,6-Tribromophenol
 Concen: 78.252 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108827.D
 Acq: 6 Sep 2018 17:04

Tgt Ion:330 Resp: 285155
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 32.8 29.9 44.9



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

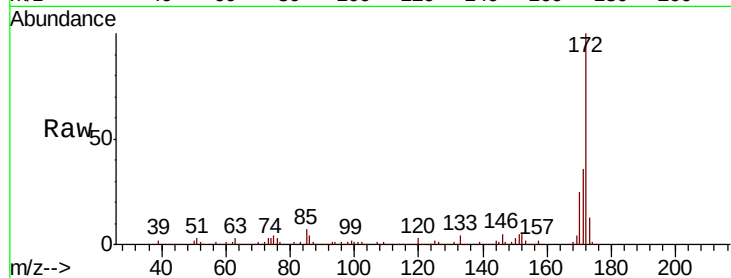




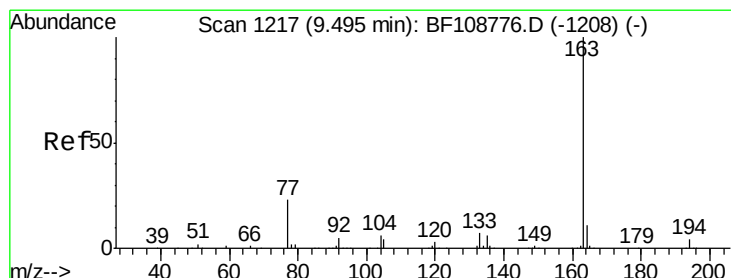
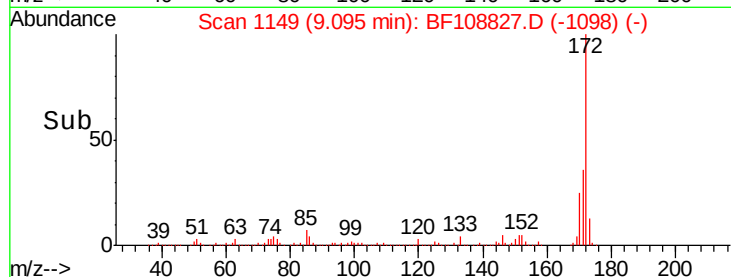
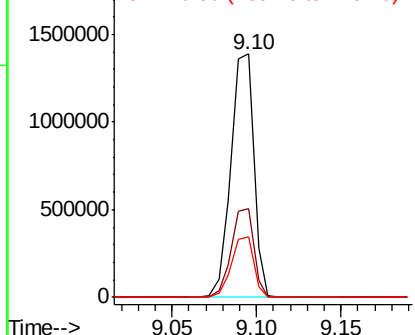
#44
2-Fluorobiphenyl
Concen: 58.537 ng
RT: 9.10 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1309766
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.7 19.6 29.4

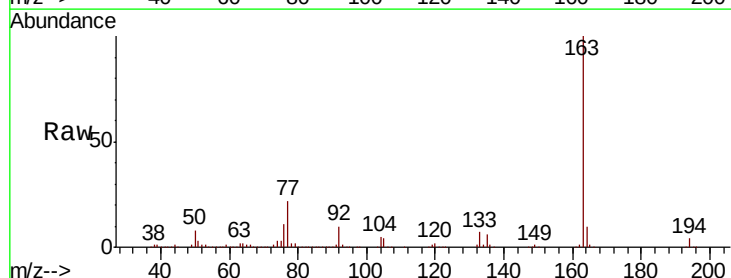


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

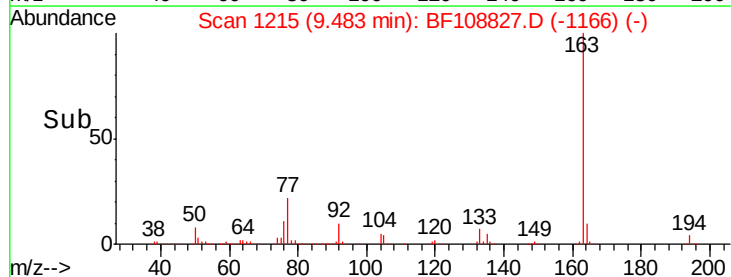
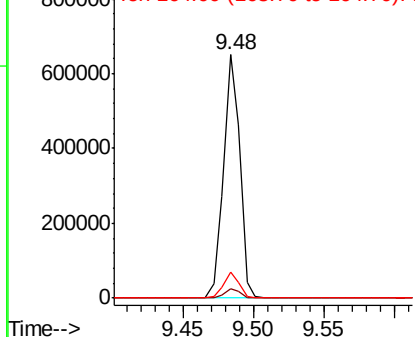


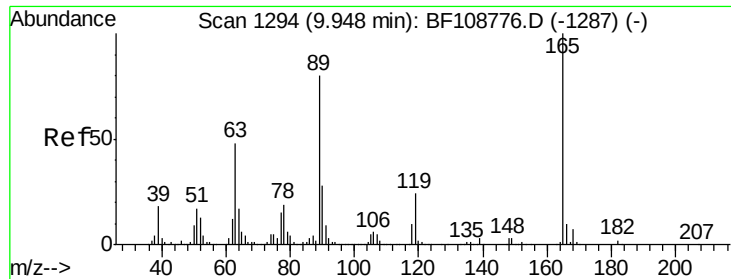
#49
Dimethylphthalate
Concen: 19.547 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Tgt Ion:163 Resp: 521873
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.4 8.2 12.2



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

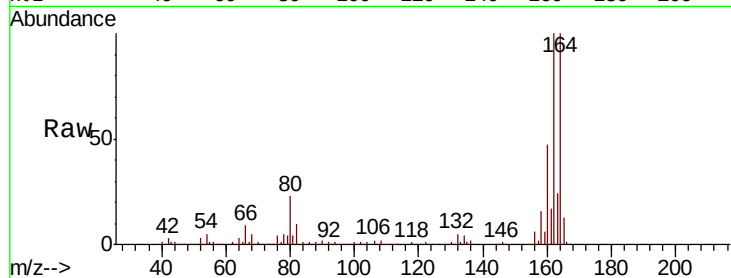




#56
 2,4-Dinitrotoluene
 Concen: 7.473 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108827.D
 Acq: 6 Sep 2018 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



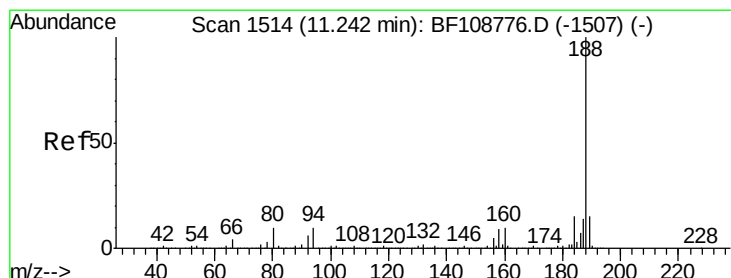
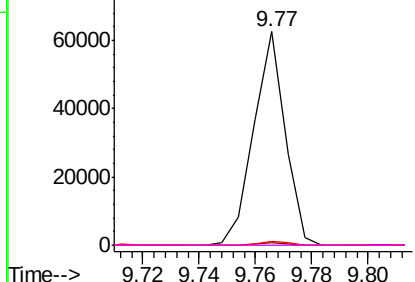
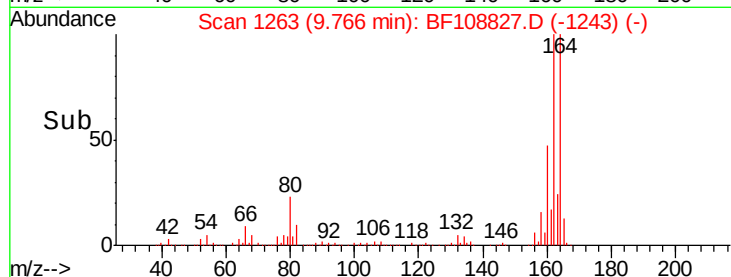
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

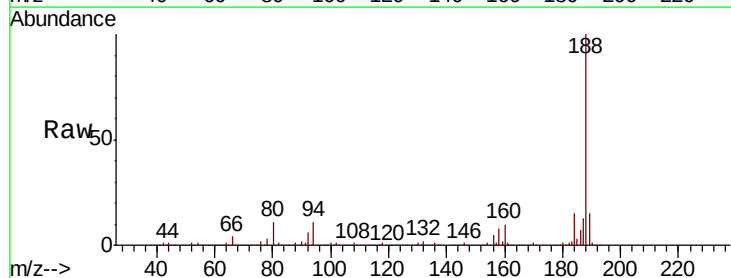
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BF108827.D
 Acq: 6 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.1	9.2	13.8

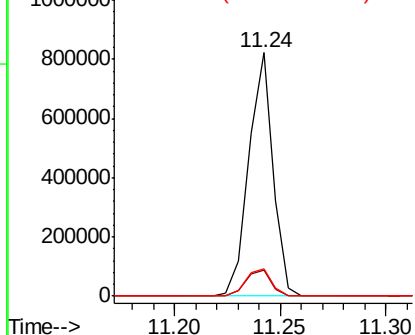
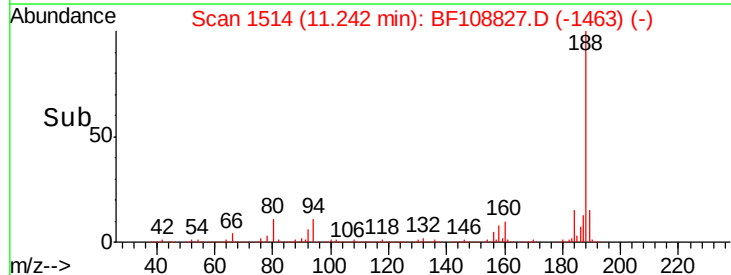


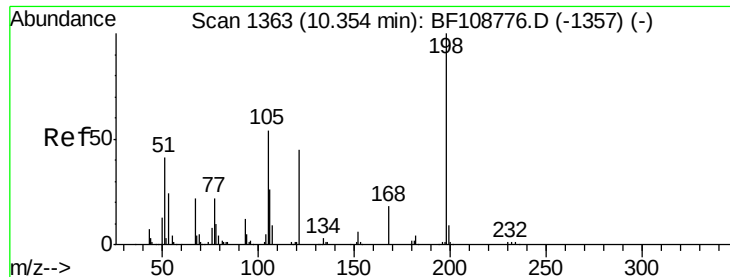
Abundance

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





#64

4,6-Dinitro-2-methylphenol

Concen: 7.050 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.19 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

Instrument :

BNA_F

ClientSampleId :

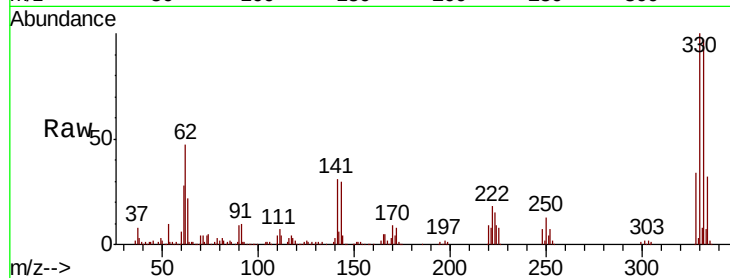
Tot Ion:198 Resp: 545

Ion Ratio Lower Upper

198 100

51 147.7 37.7 77.7#

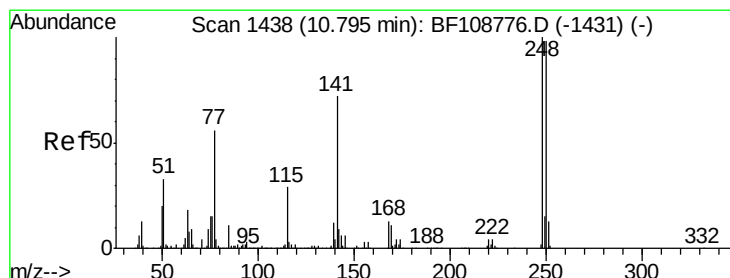
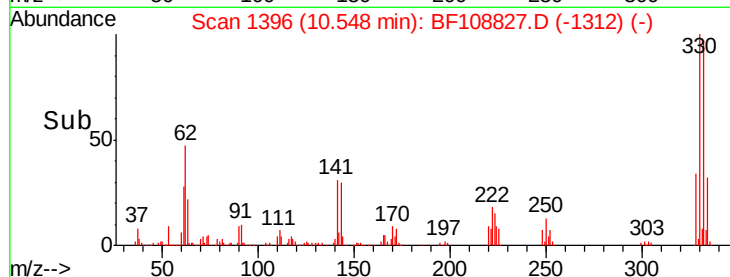
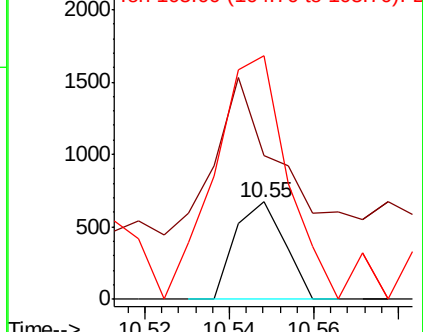
105 250.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.453 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.25 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

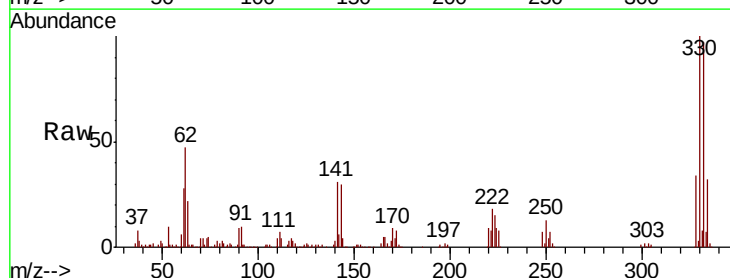
Tgt Ion:248 Resp: 18122

Ion Ratio Lower Upper

248 100

250 191.0 76.9 115.3#

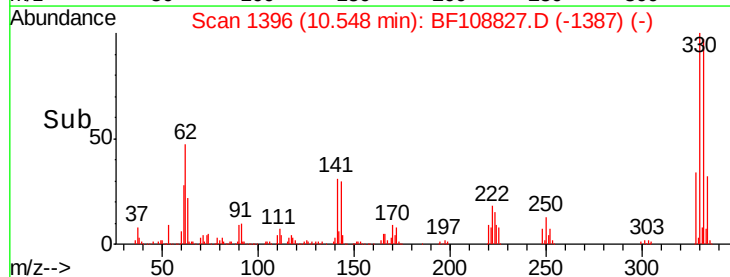
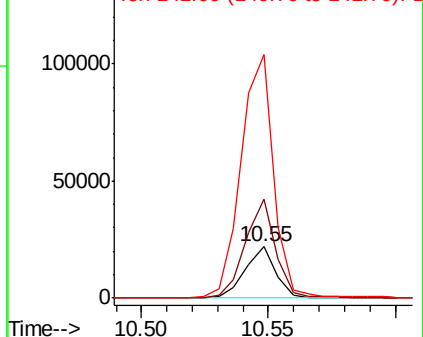
141 472.3 74.4 111.6#

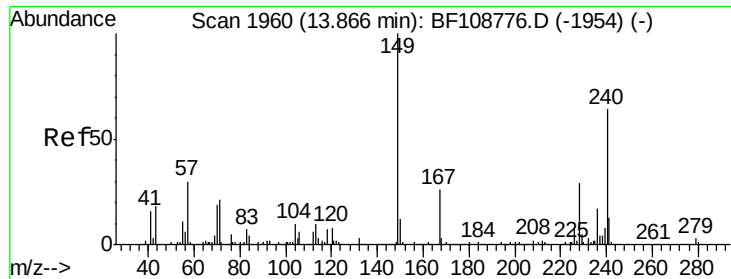


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

Instrument :

BNA_F

ClientSampled :

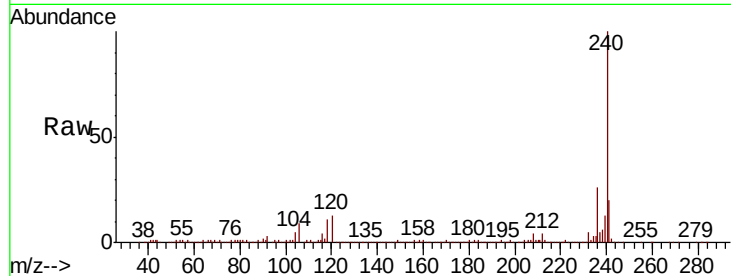
Tot Ion:240 Resp: 618129

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

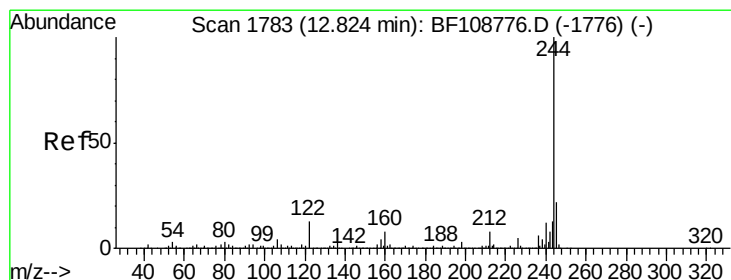
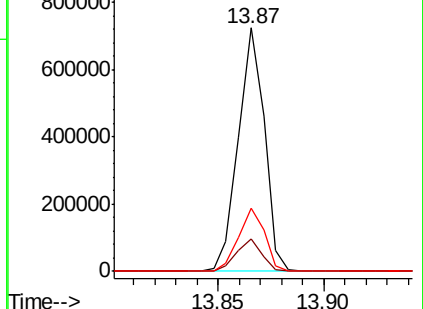
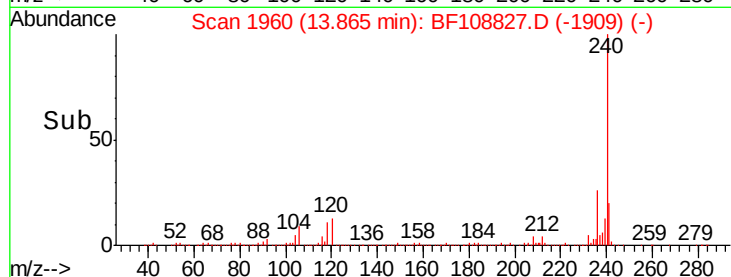
236 26.0 20.7 31.1



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



#78

Terphenyl-d14

Concen: 44.235 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108827.D

Acq: 6 Sep 2018 17:04

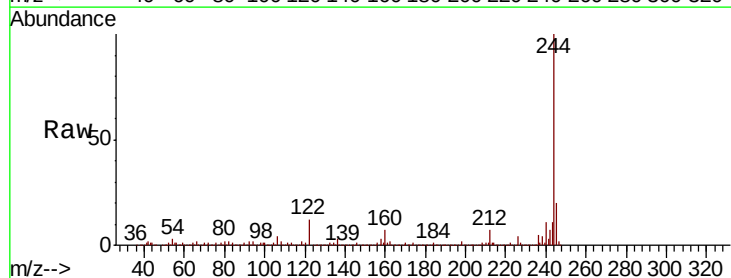
Tgt Ion:244 Resp: 1172562

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

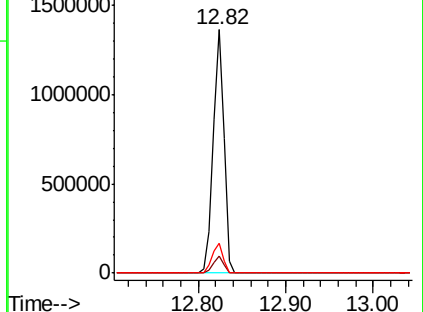
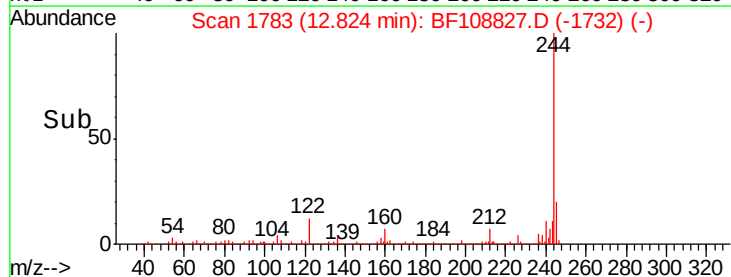
122 12.4 11.0 16.4

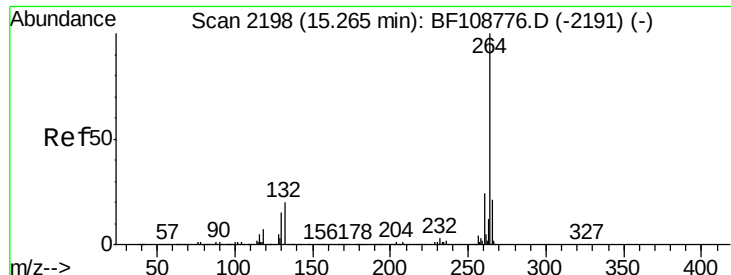


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

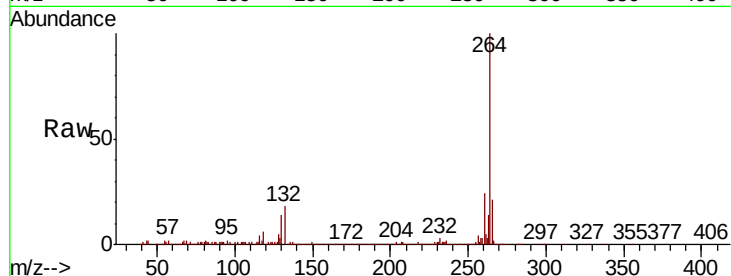




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108827.D
Acq: 6 Sep 2018 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.5	17.5	26.3



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

