

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109538.D
 Acq On : 3 Oct 2018 8:26
 Operator : JU/SJ
 Sample : J5187-17
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 09:12:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	98573	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	377267	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	179596	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	329972	20.00	ng	0.00
75) Chrysene-d12	13.83	240	250706	20.00	ng	-0.01
86) Perylene-d12	15.23	264	244581	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	241176	40.30	ng	0.00
7) Phenol-d6	6.34	99	199813	26.16	ng	-0.02
23) Nitrobenzene-d5	7.27	82	678522	106.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	185296	104.66	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1231097	103.38	ng	-0.01
78) Terphenyl-d14	12.79	244	1123917	110.02	ng	-0.01

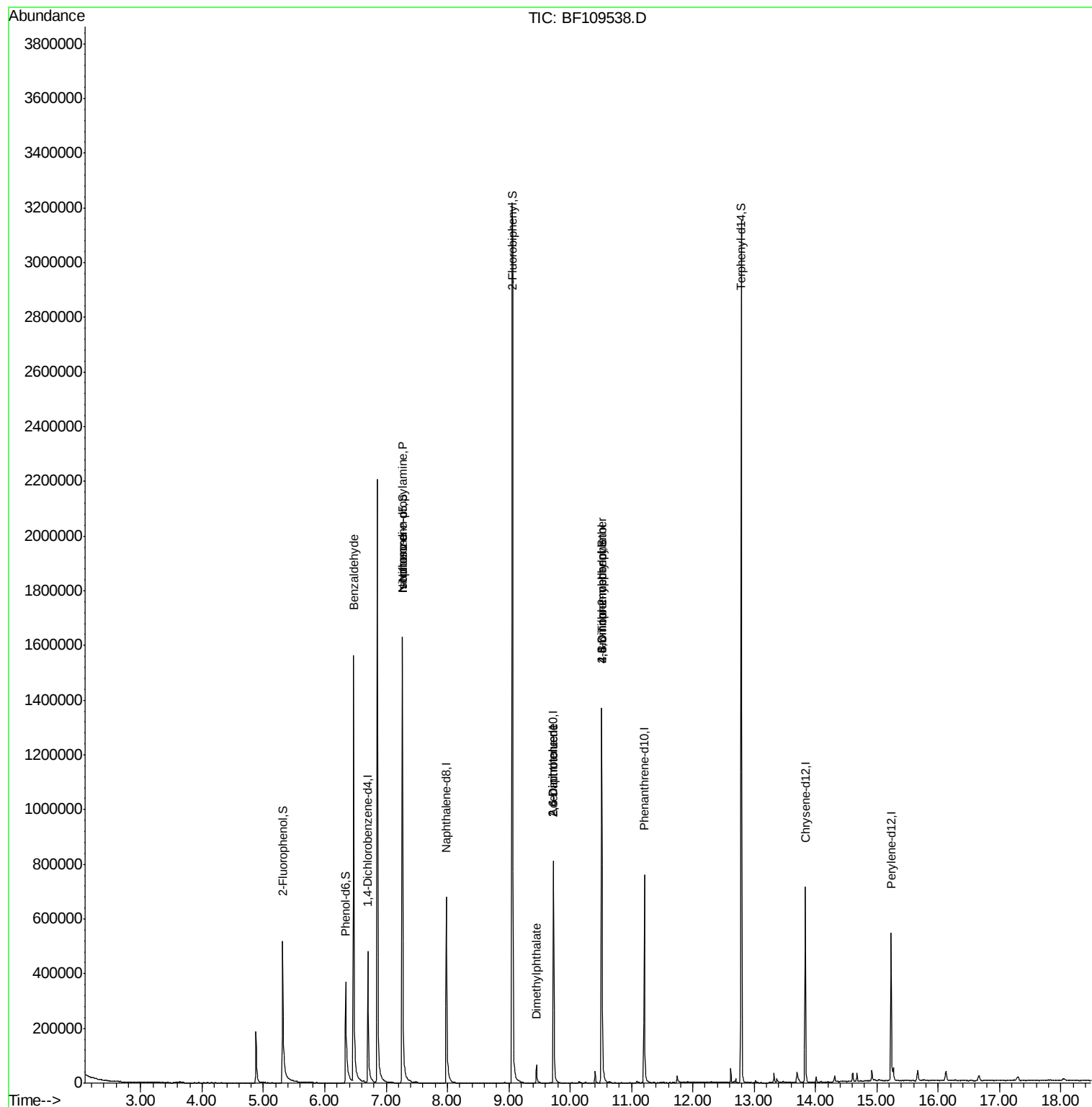
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	11071	2.257	ng	# 69
19) n-Nitroso-di-n-propylamine	7.27	70	91454	18.276	ng	# 76
25) Isophorone	7.27	82	662553	57.571	ng	# 64
49) Dimethylphthalate	9.45	163	40186	3.076	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	22809	8.816	ng	# 27
56) 2,4-Dinitrotoluene	9.73	165	22809	6.968	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.52	198	111	6.592	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	11362	3.101	ng	# 1

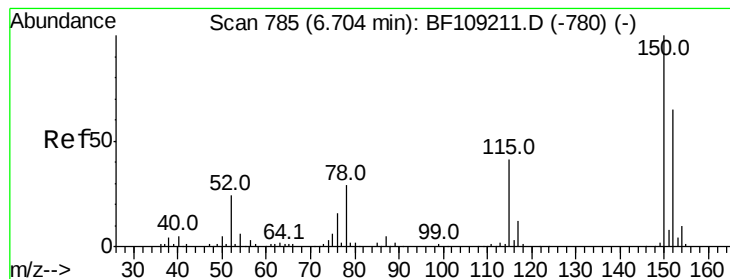
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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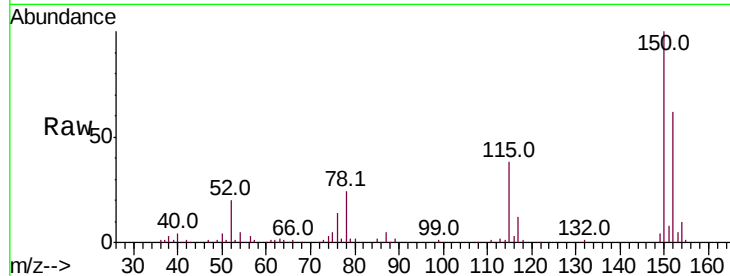


#1

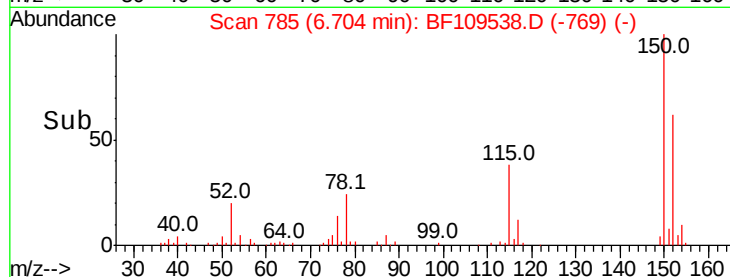
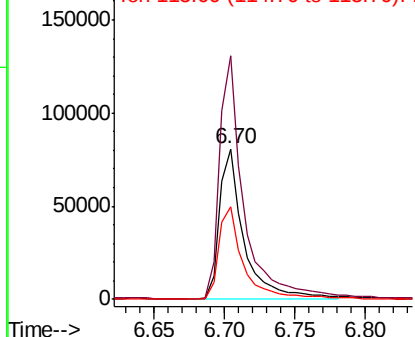
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98573
Ion Ratio Lower Upper
152 100
150 161.5 124.6 186.8
115 61.2 50.1 75.1



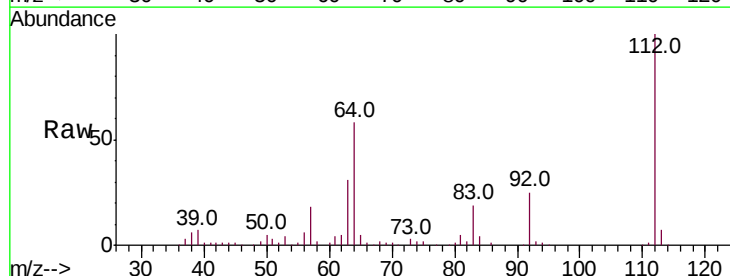
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



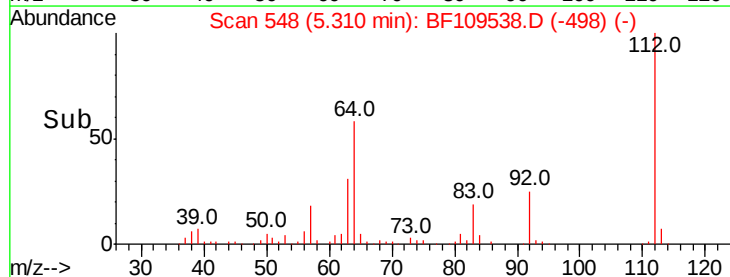
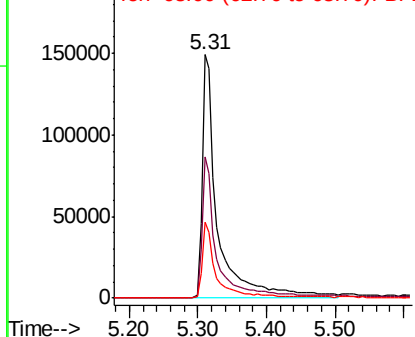
#5

2-Fluorophenol
Concen: 40.299 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Tgt Ion:112 Resp: 241176
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 31.4 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: 26.165 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109538.D

Acq: 3 Oct 2018 8:26

Instrument :

BNA_F

ClientSampleId :

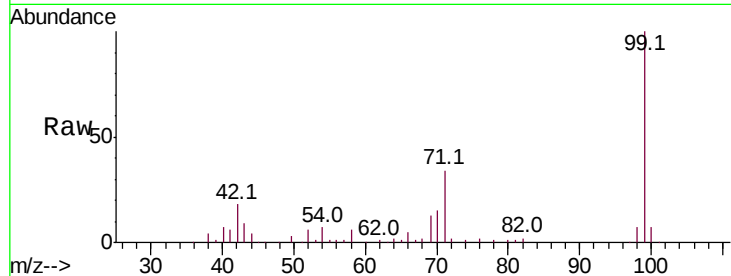
Tot Ion: 99 Resp: 199813

Ion Ratio Lower Upper

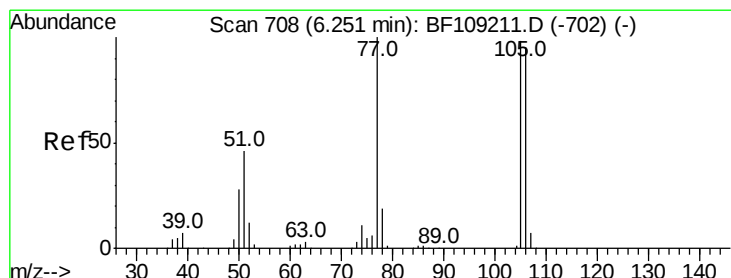
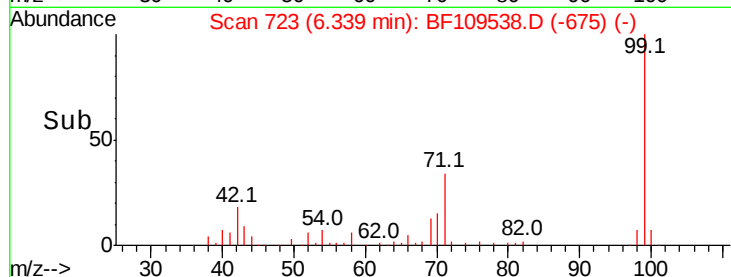
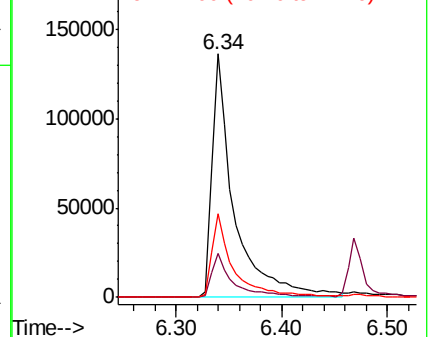
99 100

42 17.8 14.5 21.7

71 34.3 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



#9

Benzaldehyde

Concen: 2.257 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109538.D

Acq: 3 Oct 2018 8:26

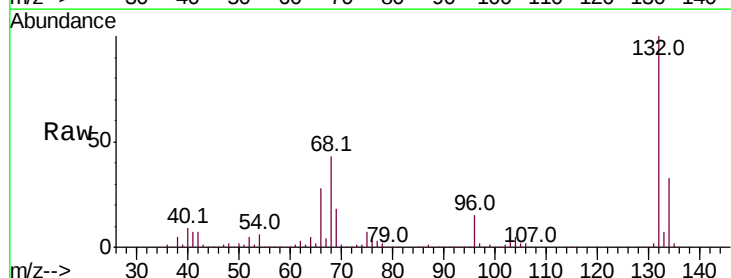
Tgt Ion: 77 Resp: 11071

Ion Ratio Lower Upper

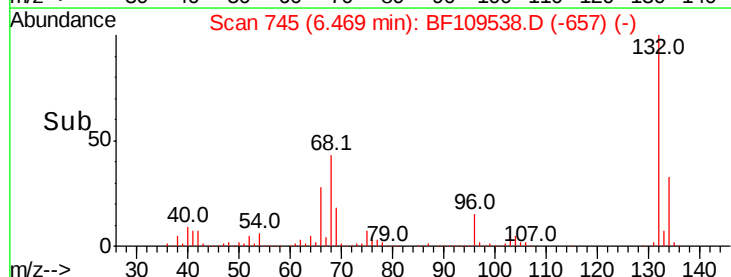
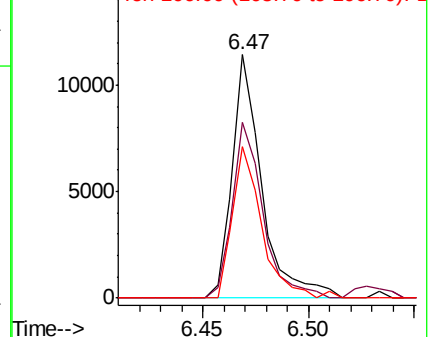
77 100

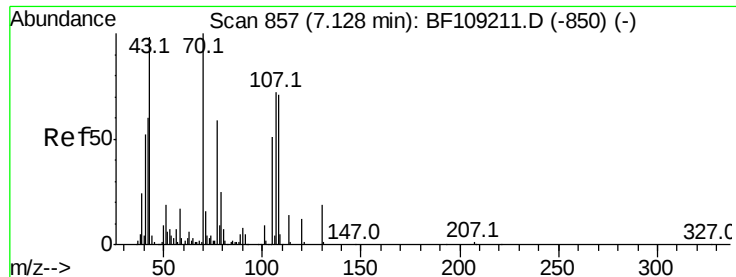
105 72.1 81.1 121.1#

106 62.4 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

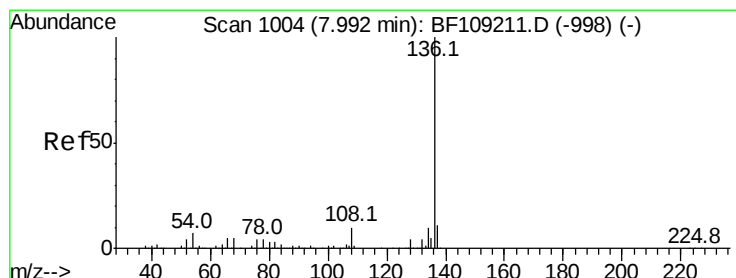
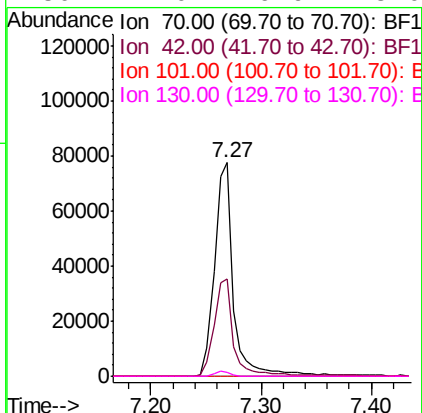
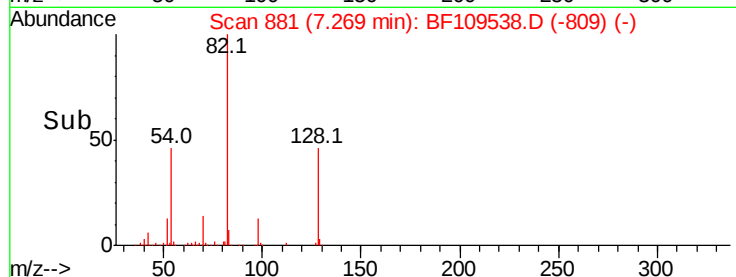
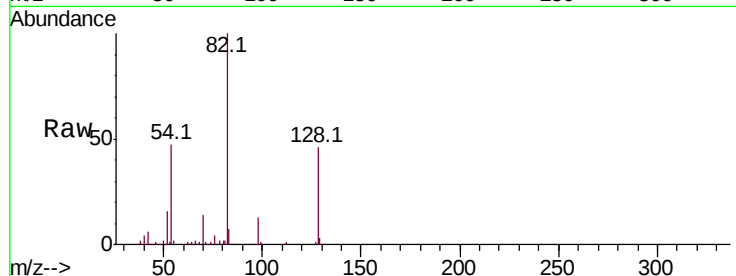




#19
n-Nitroso-di-n-propylamine
Concen: 18.276 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

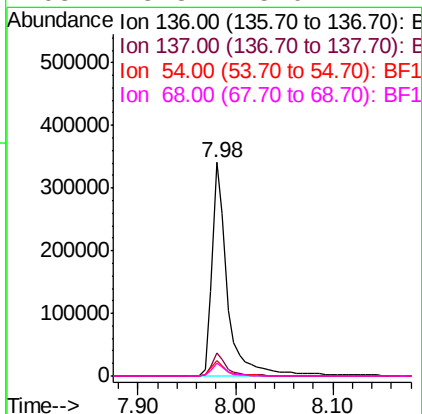
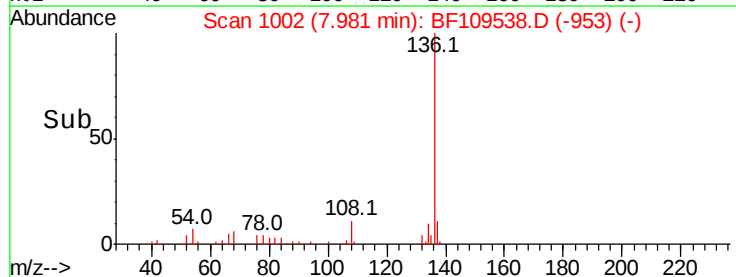
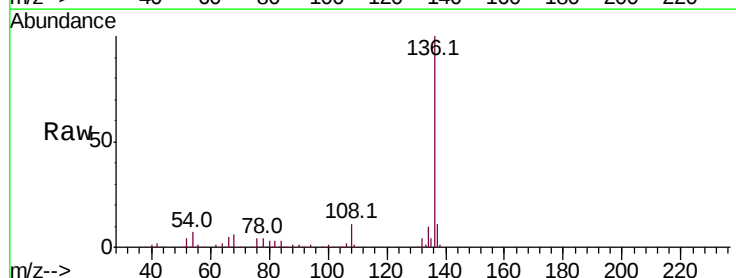
Instrument :
BNA_F
ClientSampled :

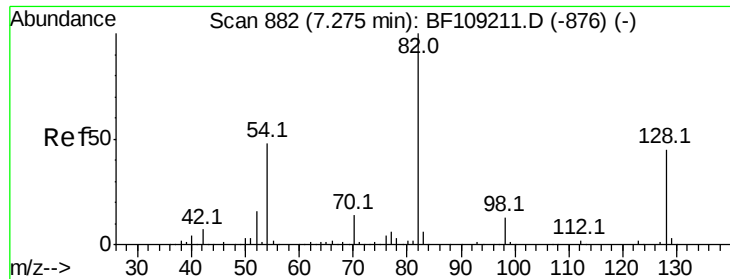
Tot Ion: 70 Resp: 91454
Ion Ratio Lower Upper
70 100
42 45.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Tgt Ion: 136 Resp: 377267
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.1 6.6 9.8
68 5.8 5.0 7.4

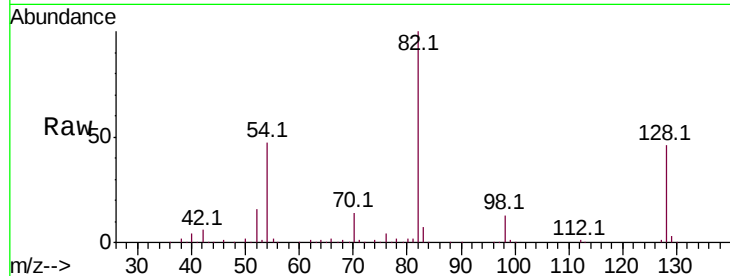




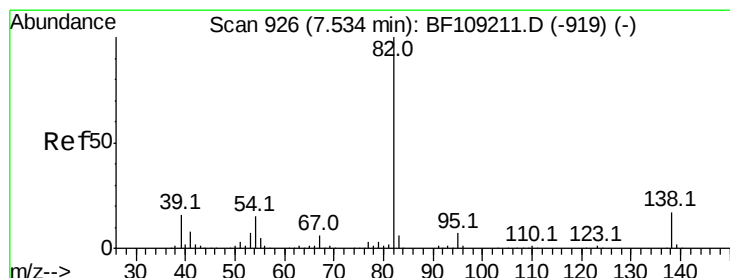
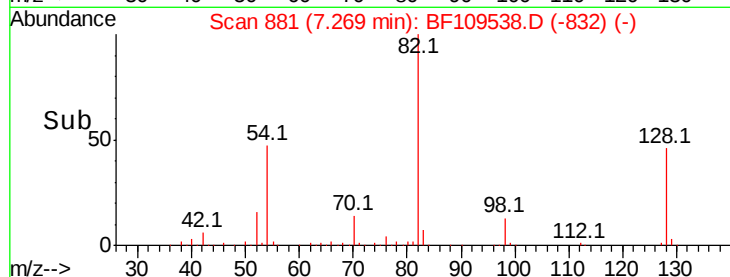
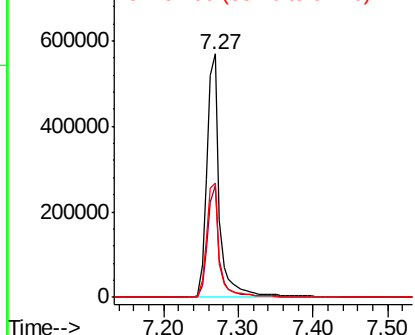
#23
 Nitrobenzene-d5
 Concen: 106.169 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109538.D
 Acq: 3 Oct 2018 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	47.0	41.4	62.2

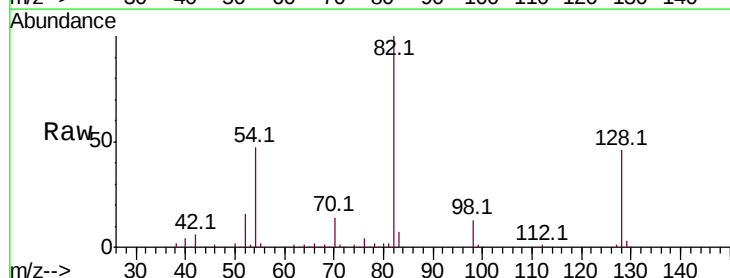


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

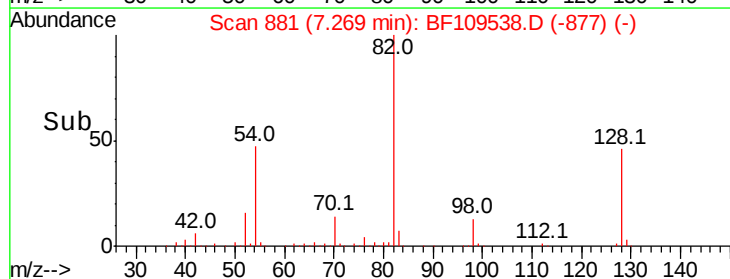
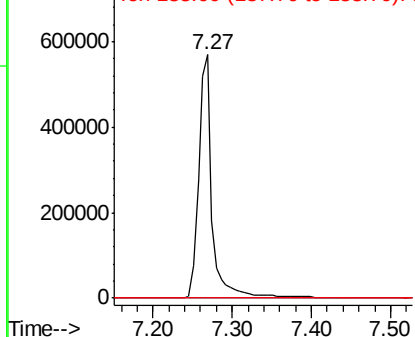


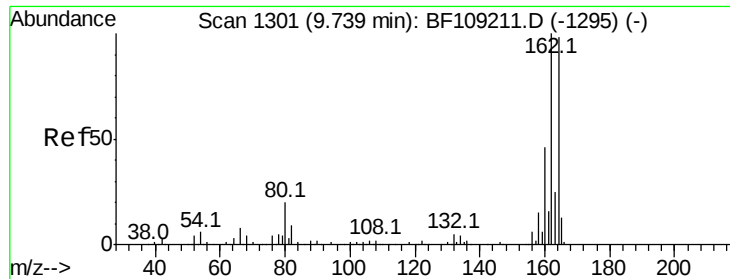
#25
 Isophorone
 Concen: 57.571 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109538.D
 Acq: 3 Oct 2018 8:26

Tgt 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

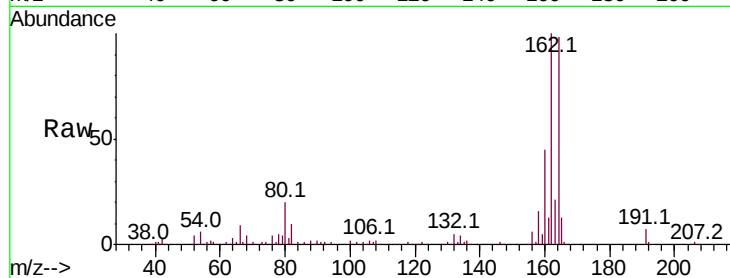




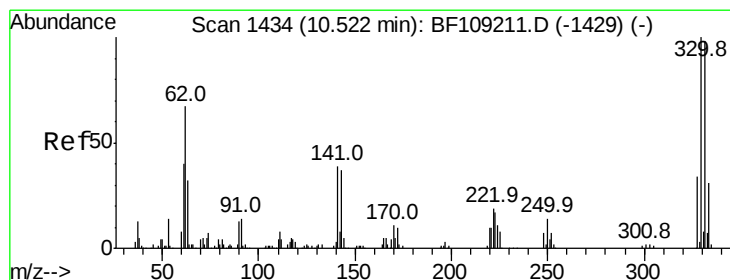
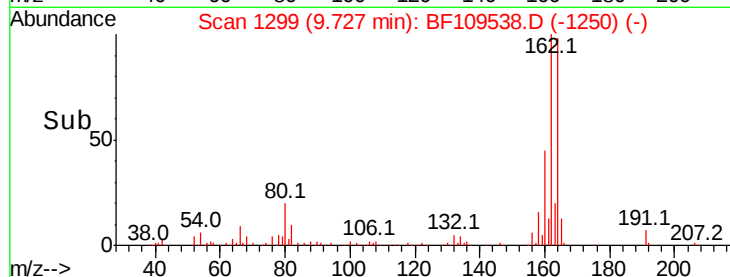
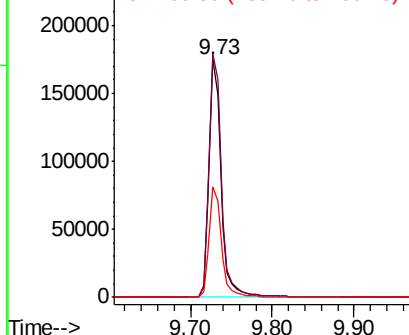
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109538.D
 Acq: 3 Oct 2018 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.2	38.3	57.5

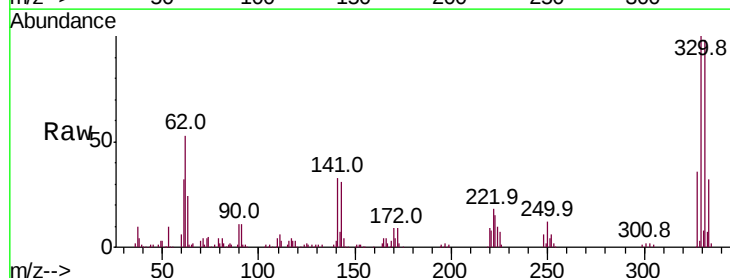


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

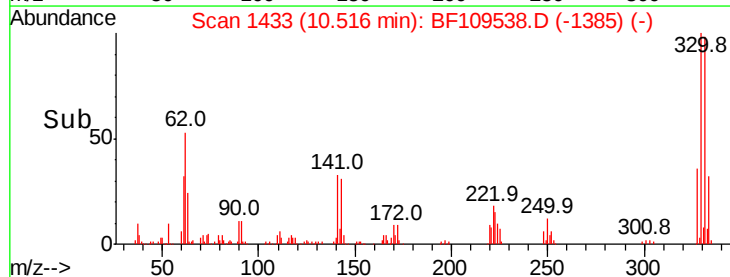
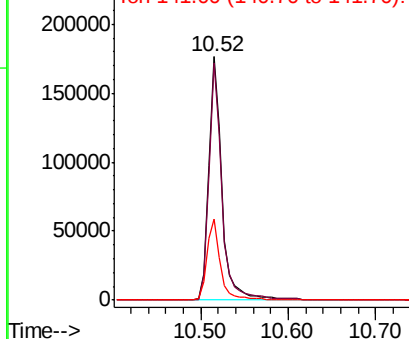


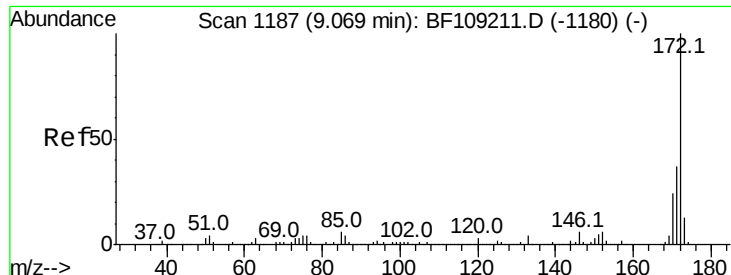
#41
 2,4,6-Tribromophenol
 Concen: 104.661 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109538.D
 Acq: 3 Oct 2018 8:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.9	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

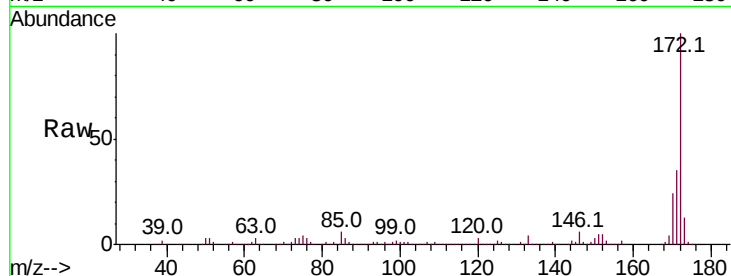




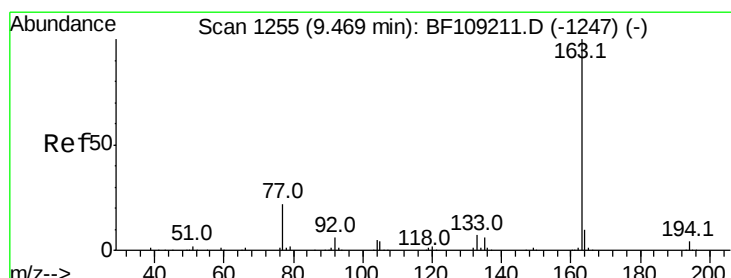
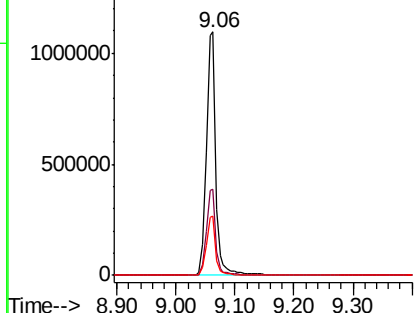
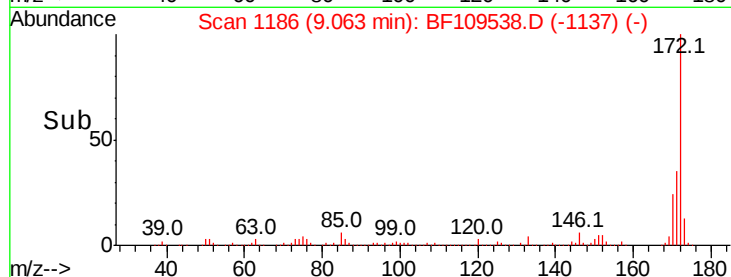
#44
2-Fluorobiphenyl
Concen: 103.384 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1231097
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 24.4 19.6 29.4

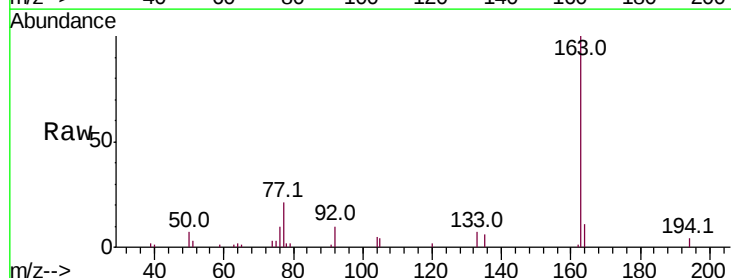


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

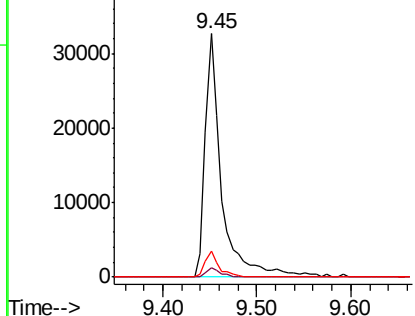
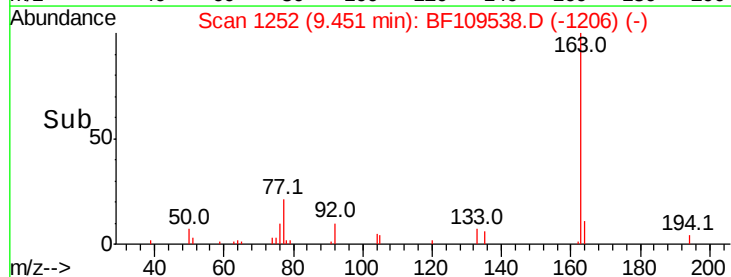


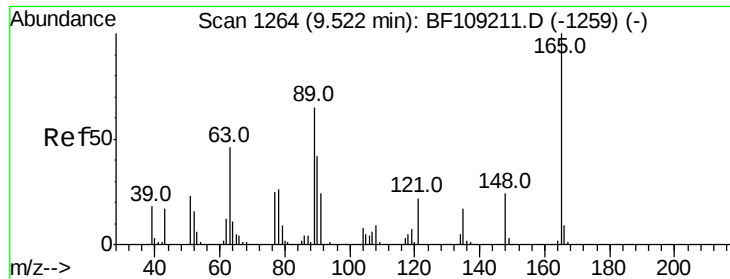
#49
Dimethylphthalate
Concen: 3.076 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Tgt Ion:163 Resp: 40186
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.6 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

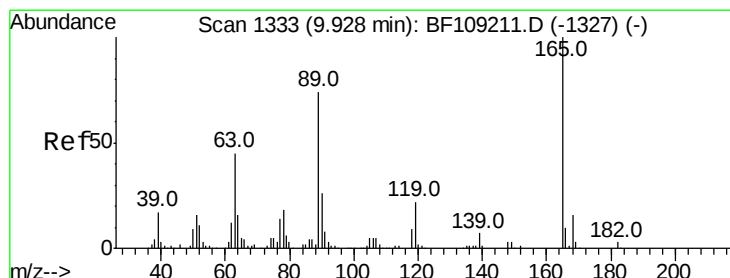
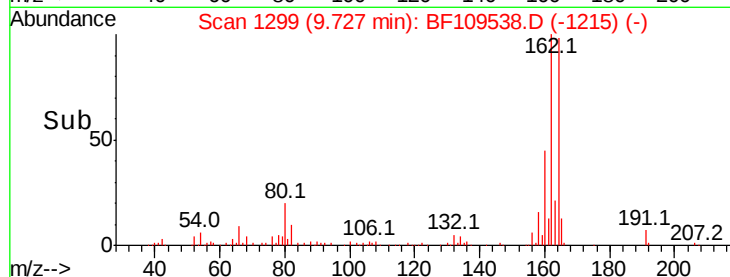
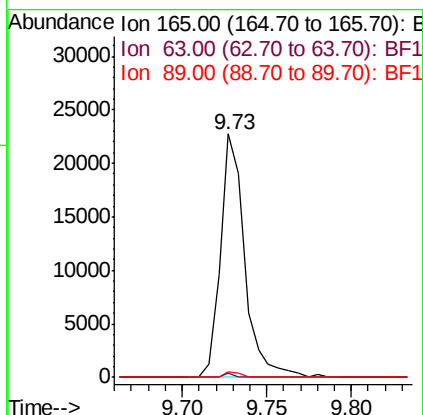
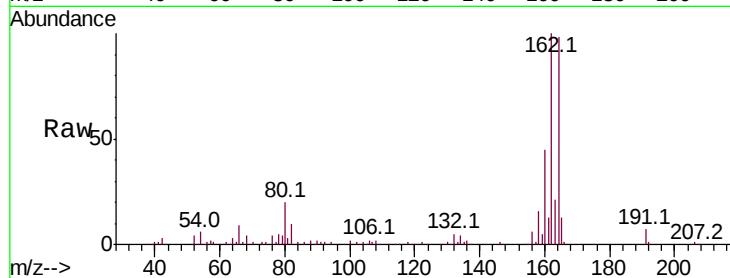




#50
 2,6-Dinitrotoluene
 Concen: 8.816 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109538.D
 Acq: 3 Oct 2018 8:26

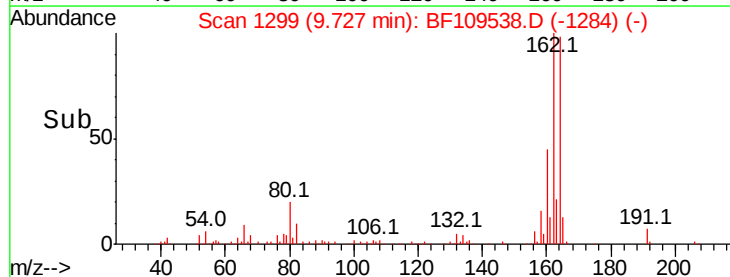
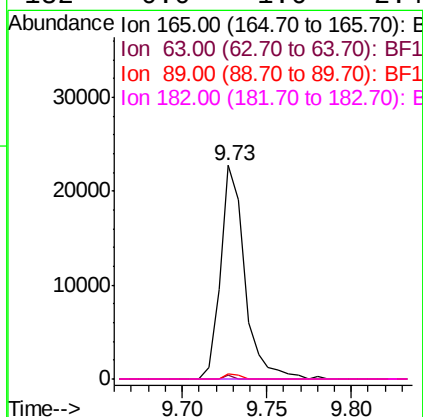
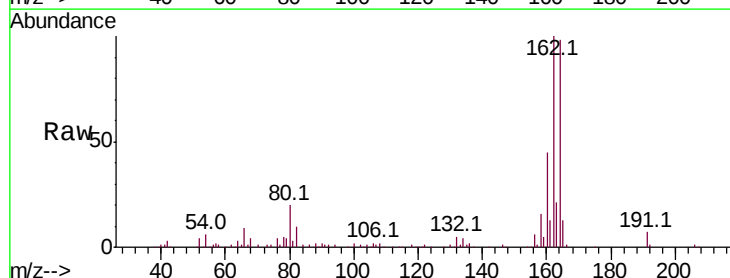
Instrument :
 BNA_F
 ClientSampleId :

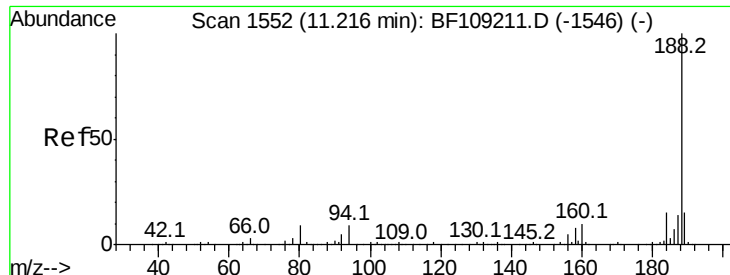
Tot Ion:165 Resp: 22809
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 2.5 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.968 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109538.D
 Acq: 3 Oct 2018 8:26

Tgt Ion:165 Resp: 22809
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 2.5 57.8 86.6#
 182 0.0 1.6 2.4#

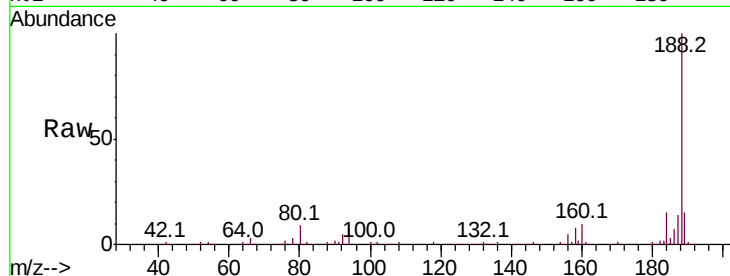




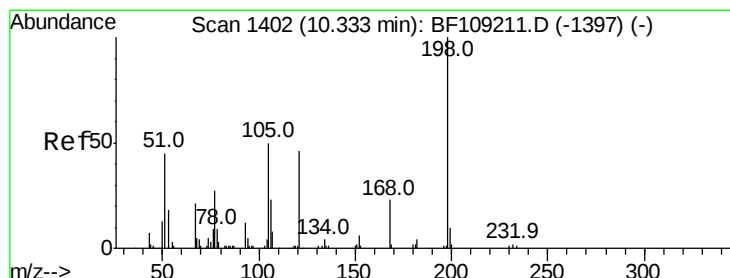
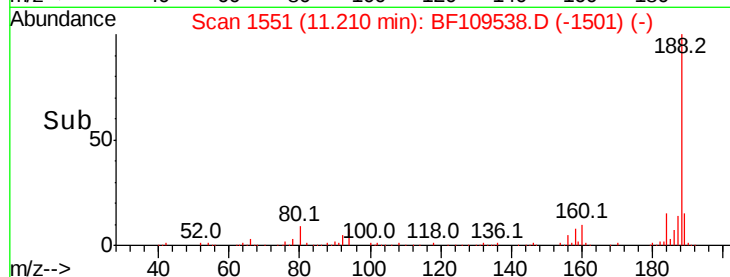
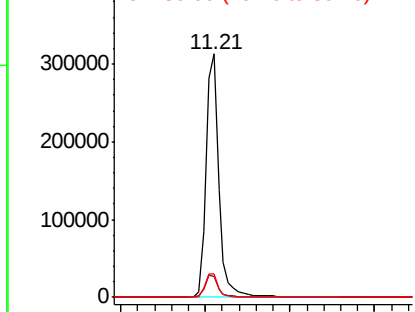
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 329972
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 9.4 9.2 13.8

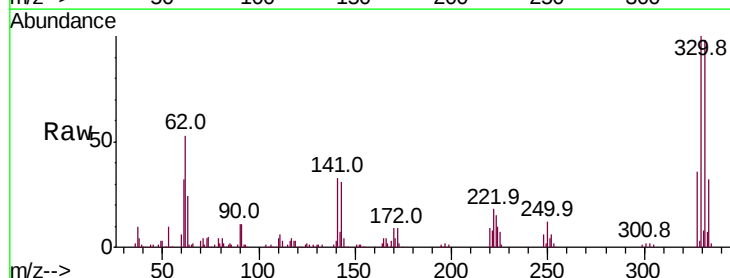


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

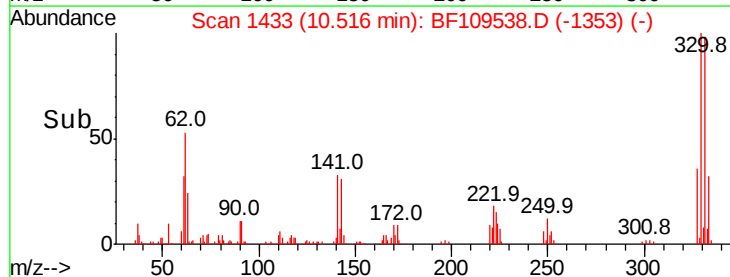
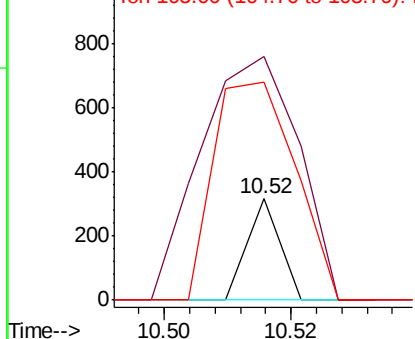


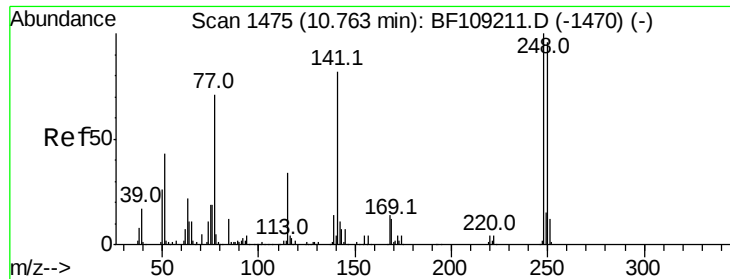
#64
4,6-Dinitro-2-methylphenol
Concen: 6.592 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Tgt Ion:198 Resp: 111
Ion Ratio Lower Upper
198 100
51 240.8 37.7 77.7#
105 215.5 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

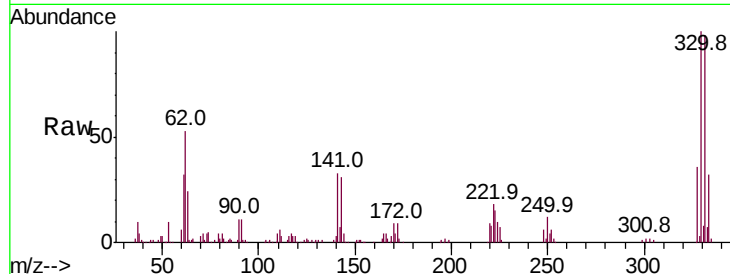




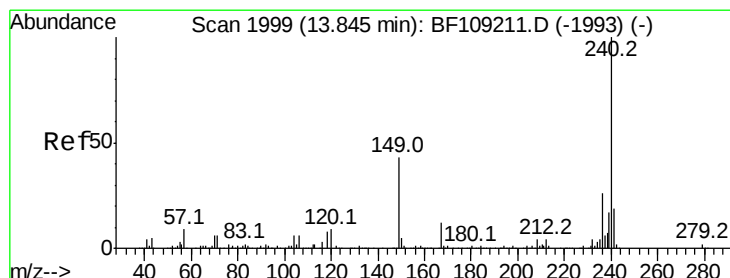
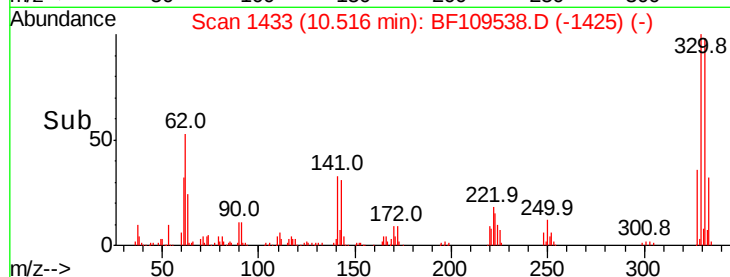
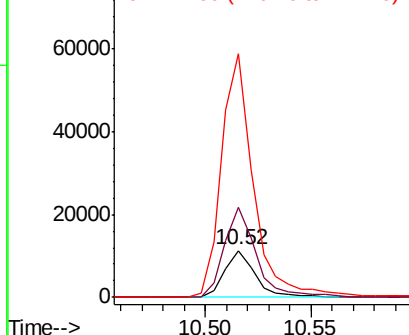
#66
4-Bromophenyl-phenylether
Concen: 3.101 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11362
Ion Ratio Lower Upper
248 100
250 192.6 76.9 115.3#
141 521.6 74.4 111.6#

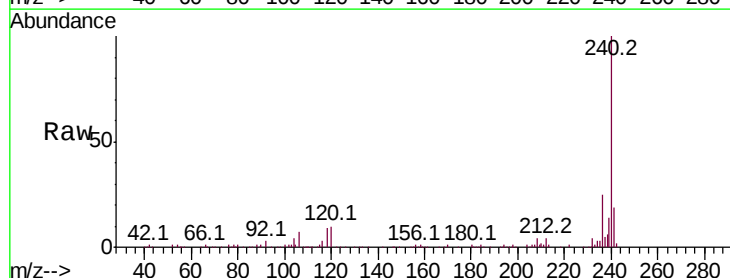


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

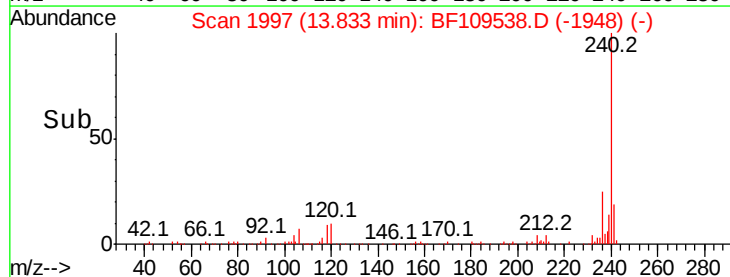
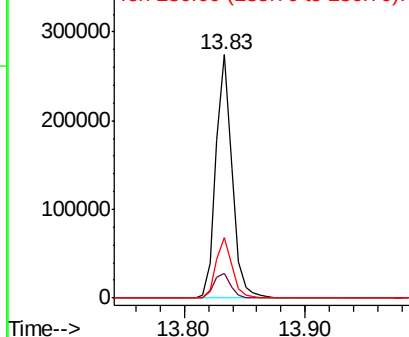


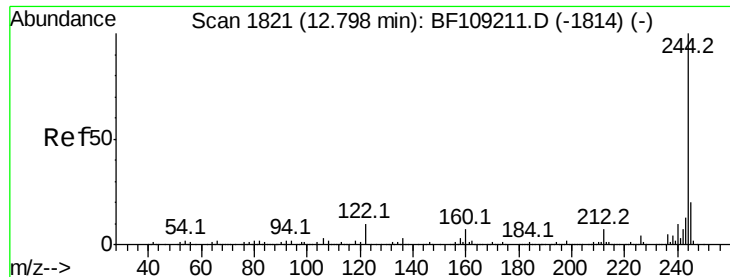
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109538.D
Acq: 3 Oct 2018 8:26

Tgt Ion:240 Resp: 250706
Ion Ratio Lower Upper
240 100
120 10.3 9.5 14.3
236 24.7 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: 110.020 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109538.D

Acq: 3 Oct 2018 8:26

Instrument :

BNA_F

ClientSampled :

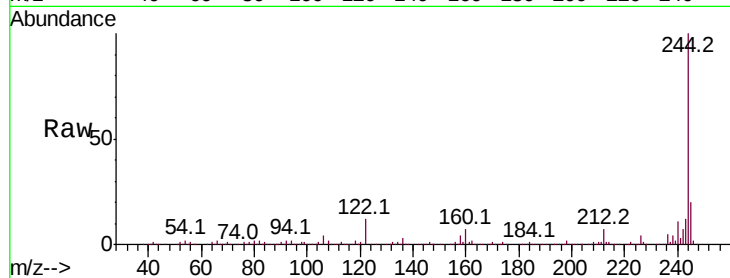
Tot Ion:244 Resp: 1123917

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

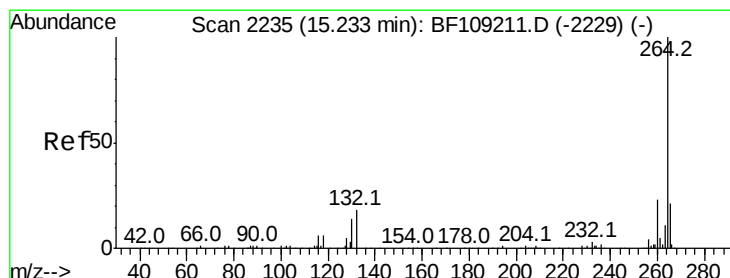
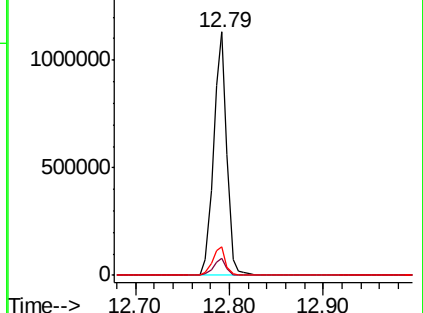
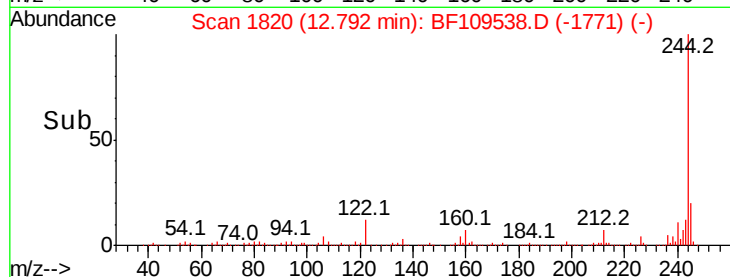
122 11.6 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF109538.D

Acq: 3 Oct 2018 8:26

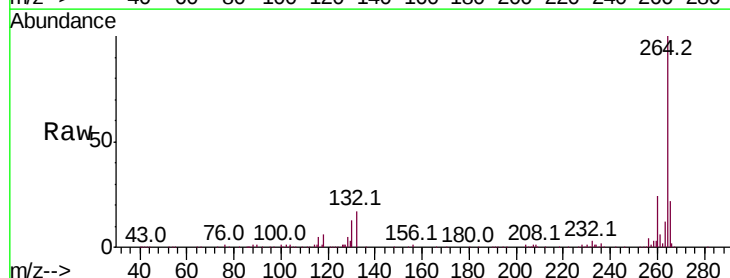
Tgt Ion:264 Resp: 244581

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.8 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

