

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109532.D
 Acq On : 3 Oct 2018 5:49
 Operator : JU/SJ
 Sample : J5187-11
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 09:11:44 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	96030	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	366035	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	167074	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	299913	20.00	ng	0.00
75) Chrysene-d12	13.83	240	229062	20.00	ng	-0.01
86) Perylene-d12	15.23	264	236305	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	268453	46.04	ng	0.00
7) Phenol-d6	6.34	99	218569	29.38	ng	-0.02
23) Nitrobenzene-d5	7.27	82	680375	109.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	176655	107.26	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1204334	108.72	ng	-0.02
78) Terphenyl-d14	12.79	244	1041402	111.58	ng	-0.01

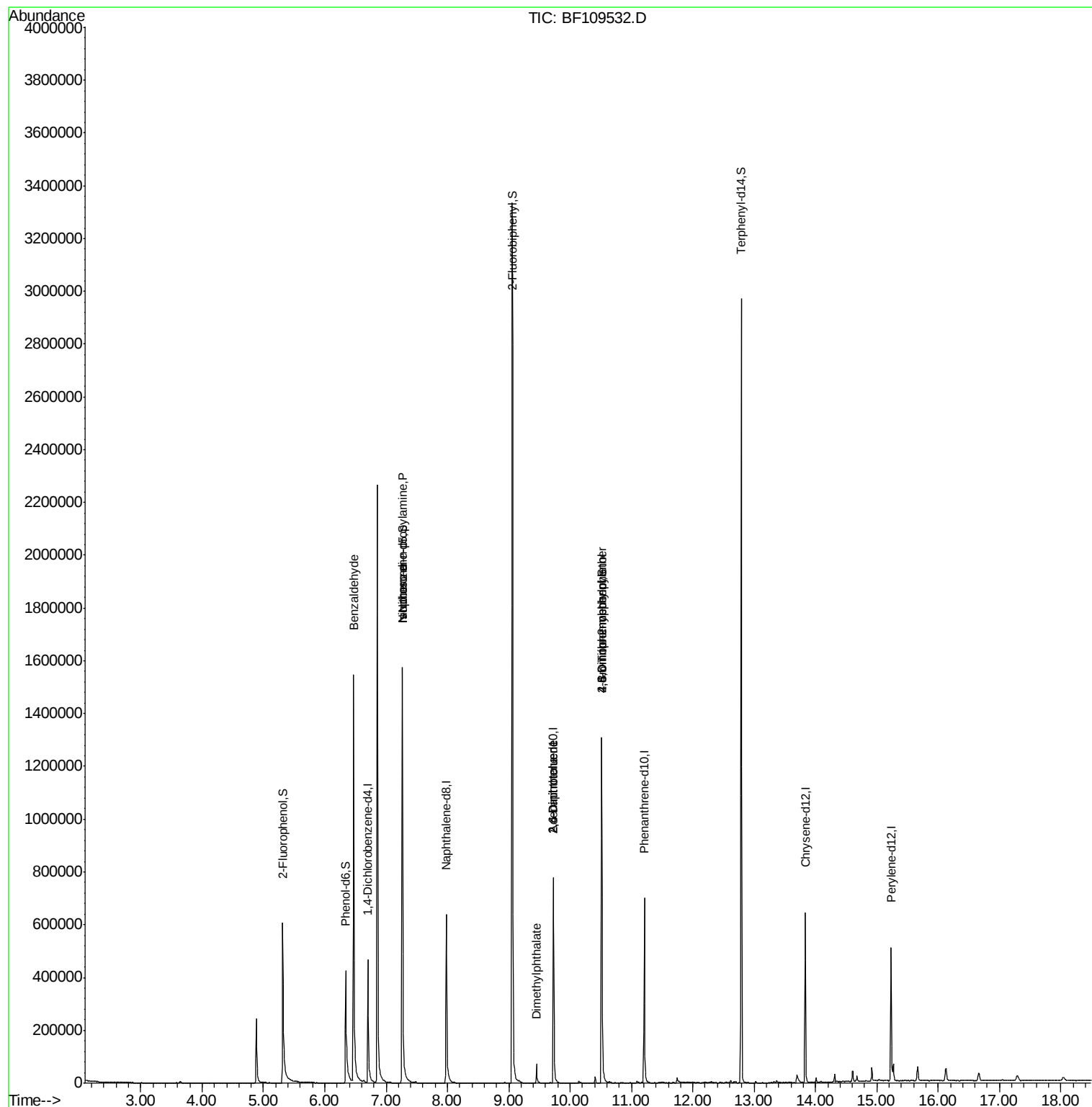
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	11263	2.357	ng	# 75
19) n-Nitroso-di-n-propylamine	7.27	70	92604	18.996	ng	# 76
25) Isophorone	7.27	82	667827	59.810	ng	# 64
49) Dimethylphthalate	9.45	163	40405	3.325	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	20492	8.515	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	20492	6.729	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	137	6.618	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10788	3.239	ng	# 1

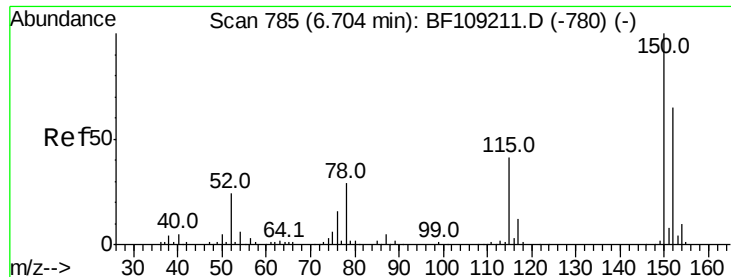
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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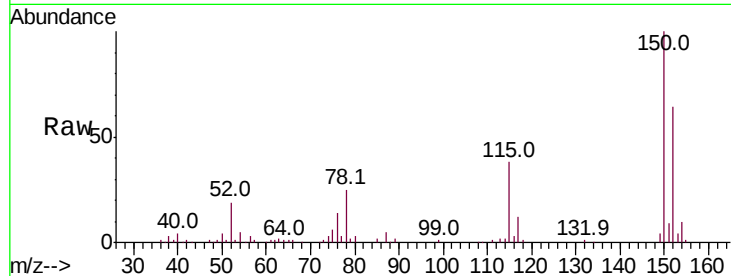


#1

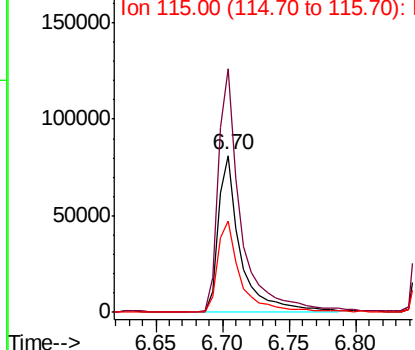
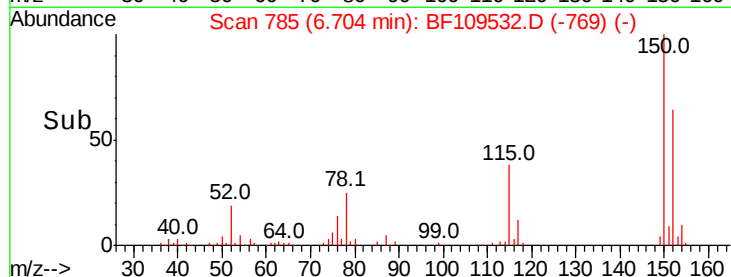
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96030
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 58.2 50.1 75.1



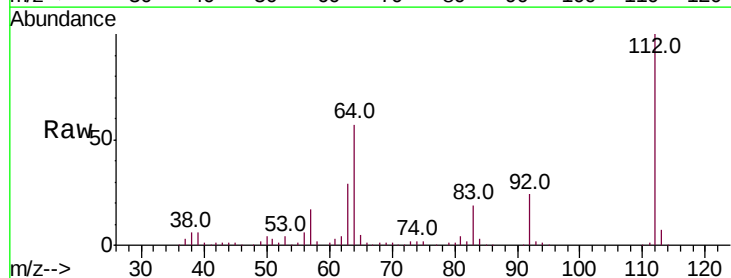
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



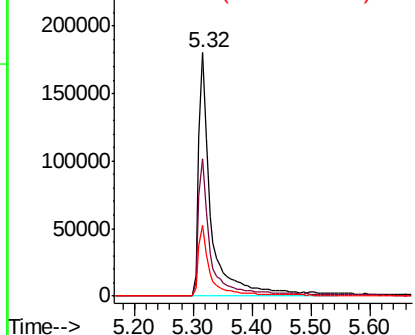
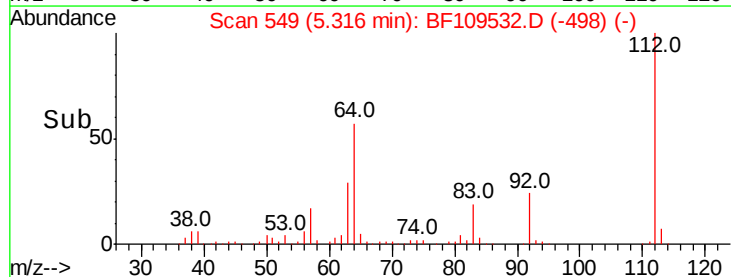
#5

2-Fluorophenol
Concen: 46.044 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Tgt Ion:112 Resp: 268453
Ion Ratio Lower Upper
112 100
64 56.5 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: 29.379 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109532.D

Acq: 3 Oct 2018 5:49

Instrument :

BNA_F

ClientSampleId :

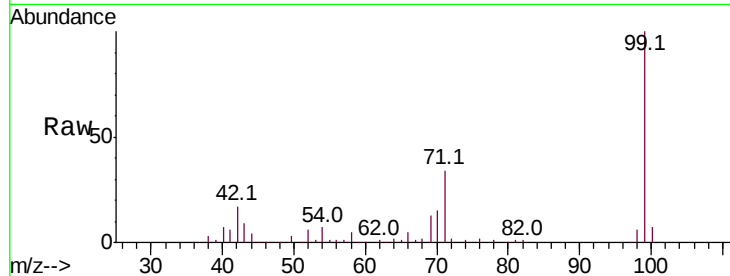
Tot Ion: 99 Resp: 218569

Ion Ratio Lower Upper

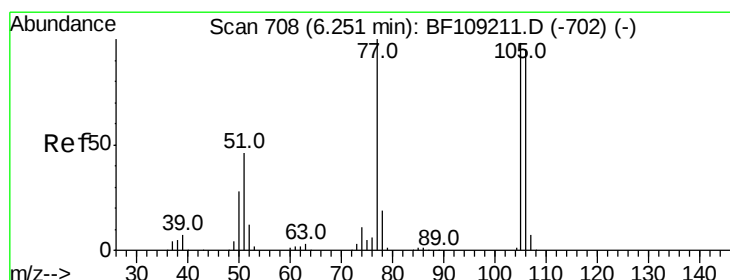
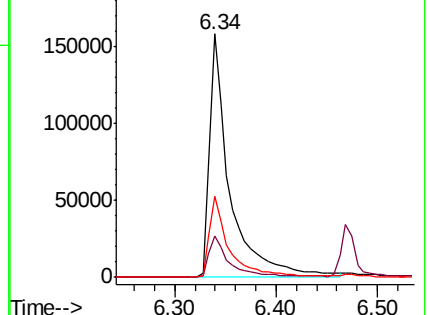
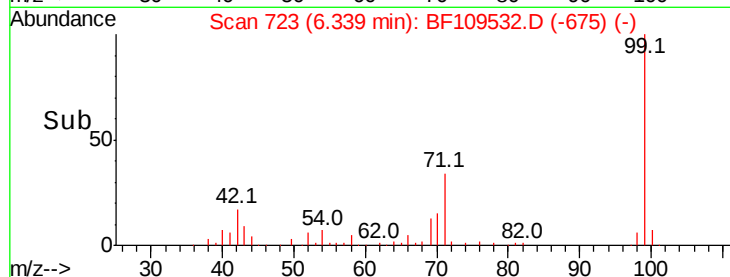
99 100

42 16.9 14.5 21.7

71 33.5 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: 2.357 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109532.D

Acq: 3 Oct 2018 5:49

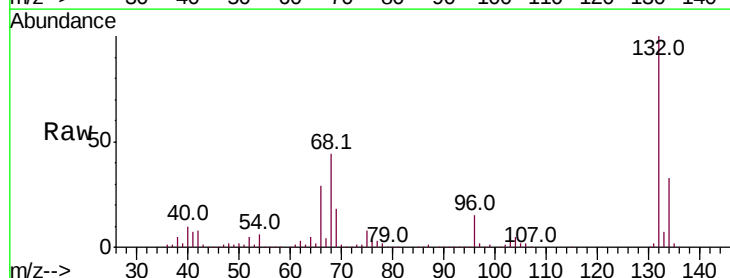
Tgt Ion: 77 Resp: 11263

Ion Ratio Lower Upper

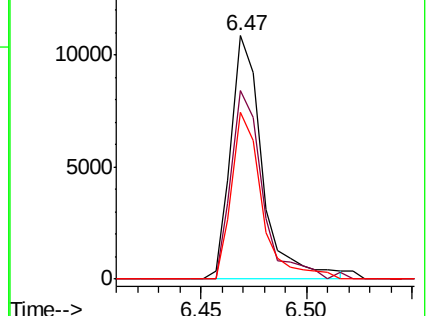
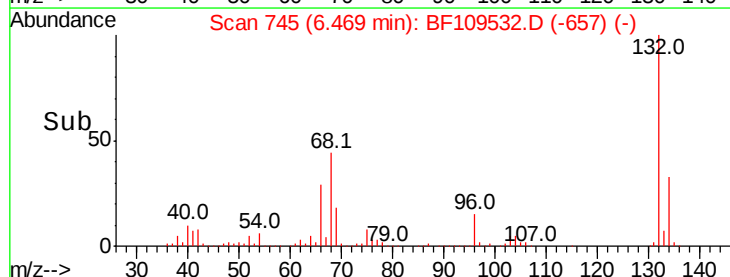
77 100

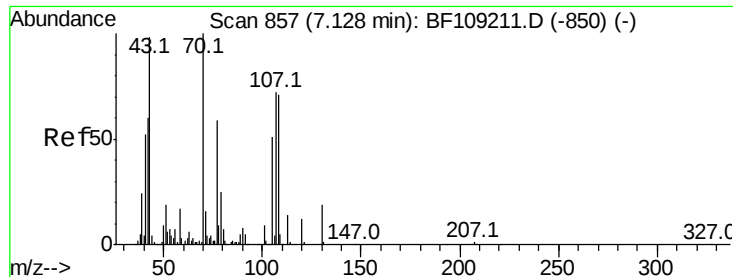
105 77.2 81.1 121.1#

106 68.5 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

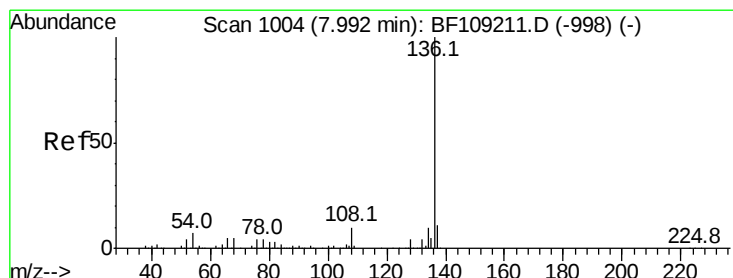
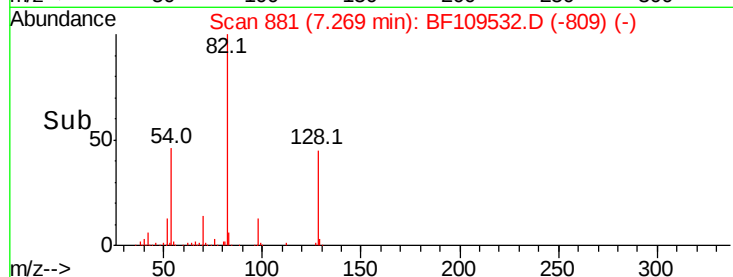
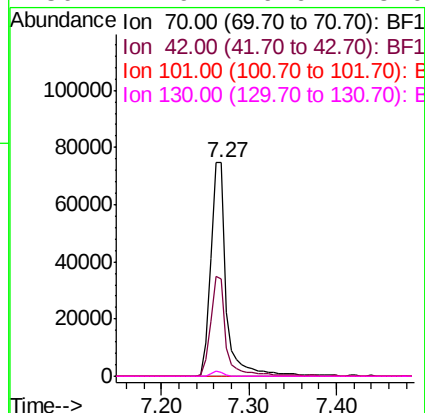
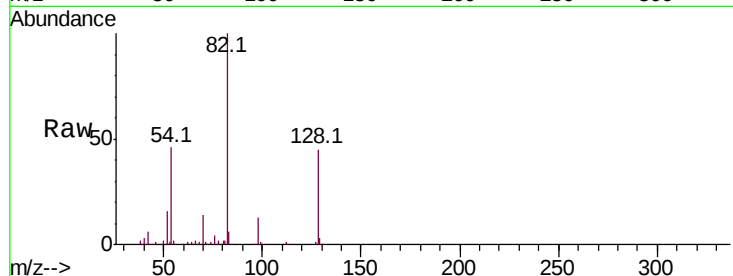




#19
n-Nitroso-di-n-propylamine
Concen: 18.996 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

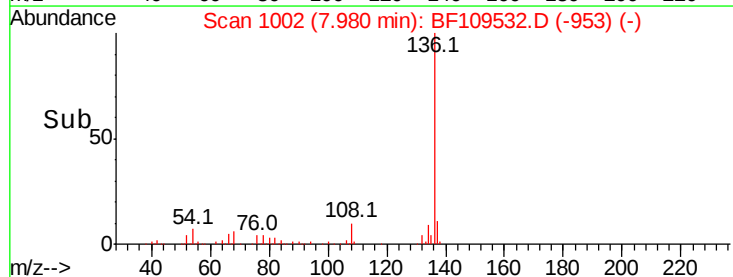
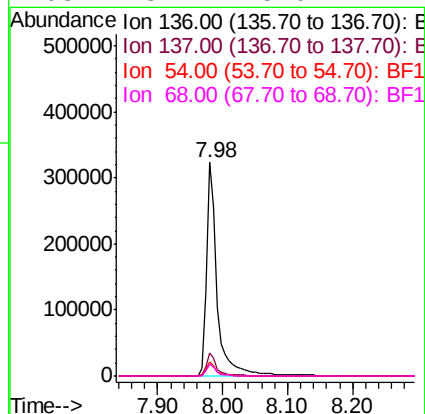
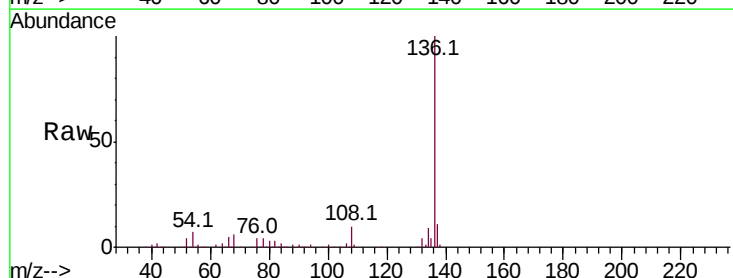
Instrument :
BNA_F
ClientSampled :

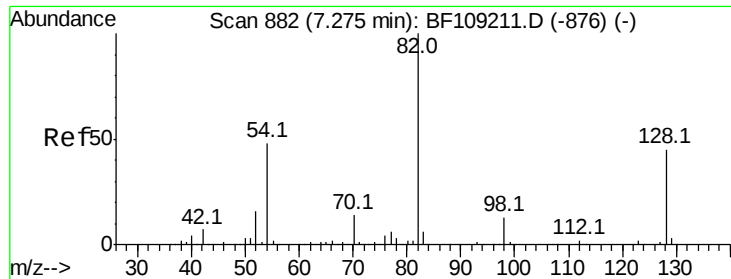
Tot Ion: 70 Resp: 92604
Ion Ratio Lower Upper
70 100
42 45.8 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Tgt Ion:136 Resp: 366035
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.9 6.6 9.8
68 5.7 5.0 7.4

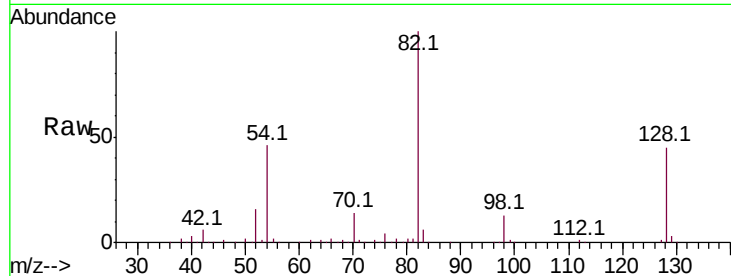




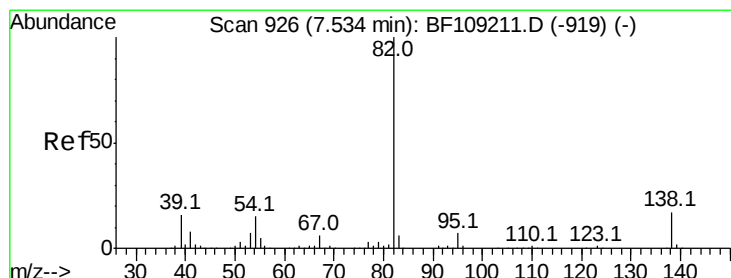
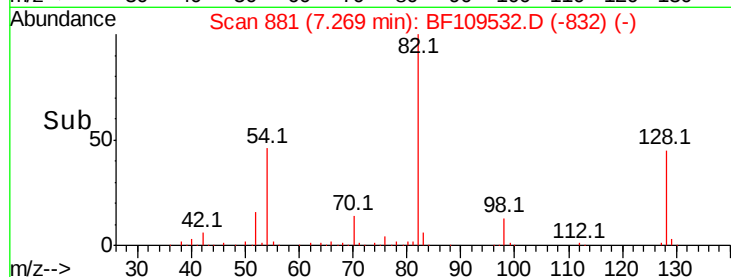
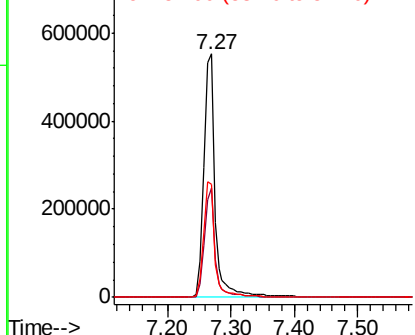
#23
Nitrobenzene-d5
Concen: 109.726 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	680375
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.1	54.1
54	46.5	41.4	62.2

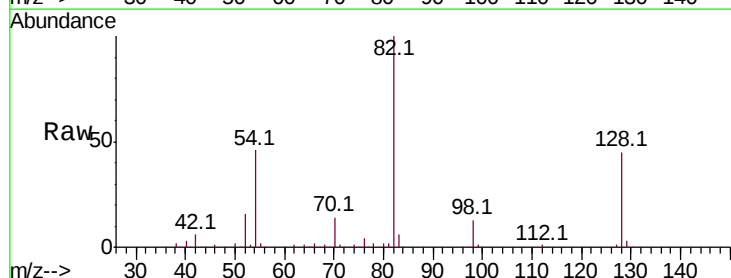


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

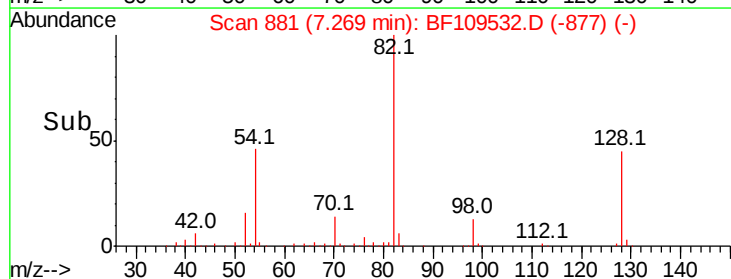
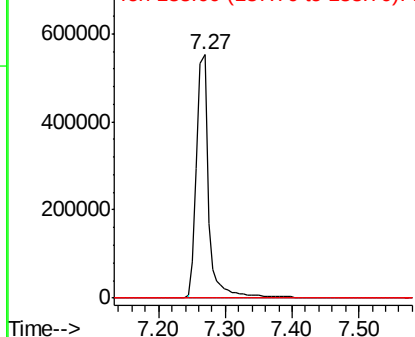


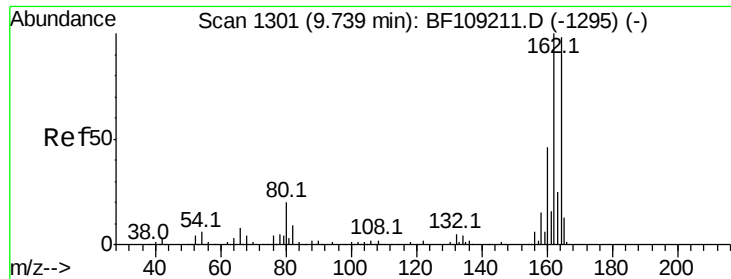
#25
Isophorone
Concen: 59.810 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Tgt Ion	82	Resp	667827
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

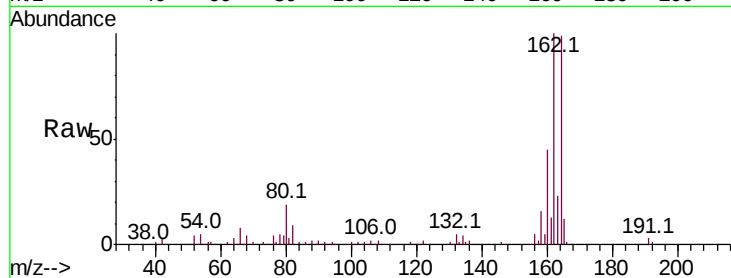




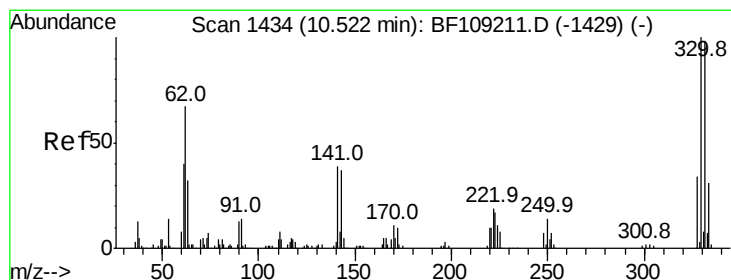
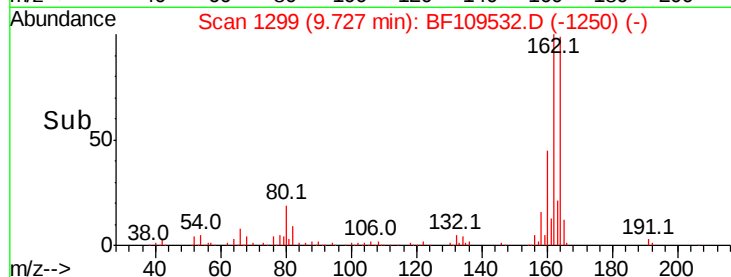
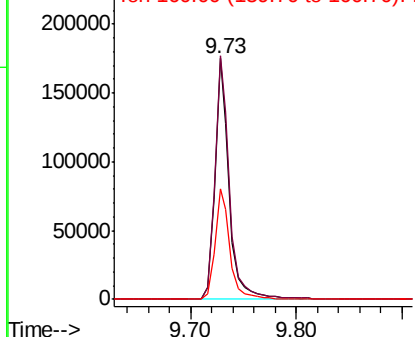
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109532.D
 Acq: 3 Oct 2018 5:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 167074
 Ion Ratio Lower Upper
 164 100
 162 101.1 86.1 129.1
 160 45.9 38.3 57.5

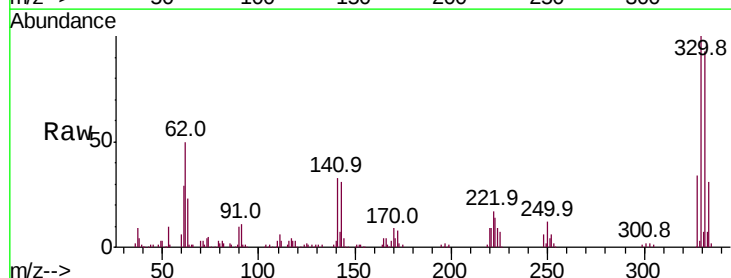


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

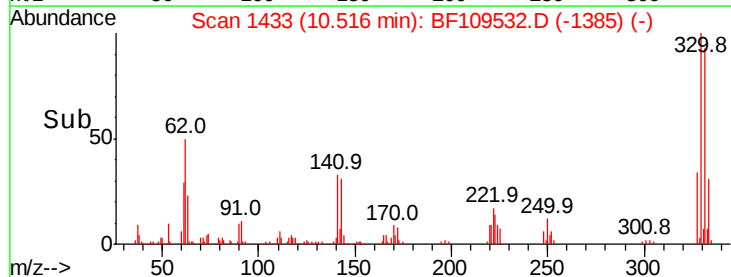
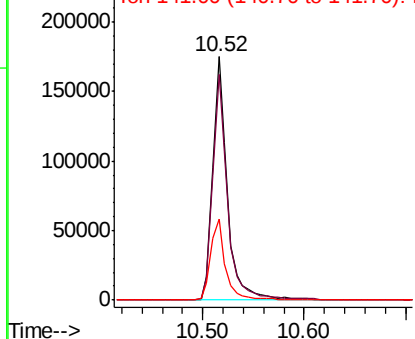


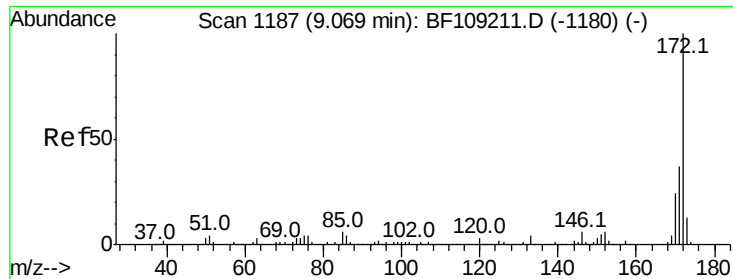
#41
 2,4,6-Tribromophenol
 Concen: 107.259 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109532.D
 Acq: 3 Oct 2018 5:49

Tgt Ion:330 Resp: 176655
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 33.7 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

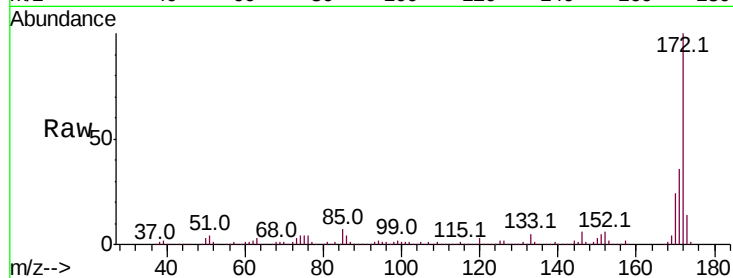




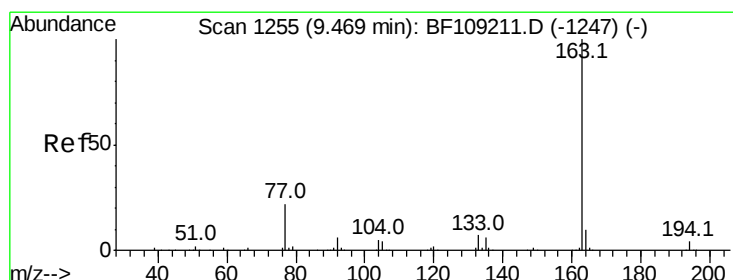
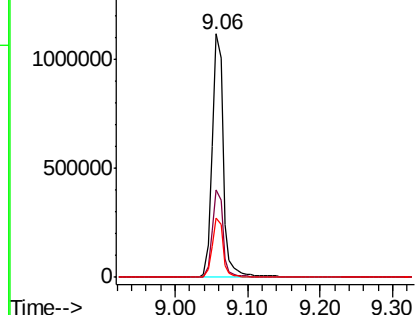
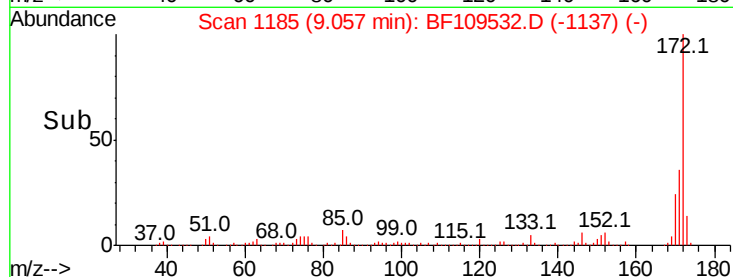
#44
2-Fluorobiphenyl
Concen: 108.716 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1204334
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.4 19.6 29.4

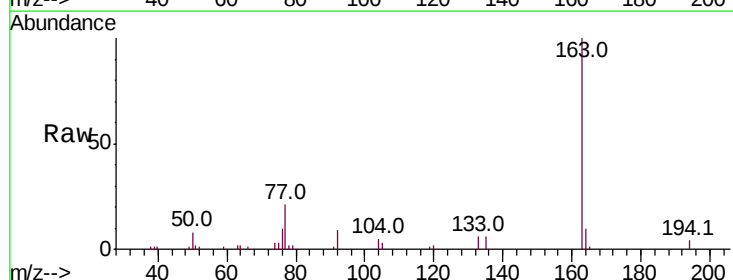


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

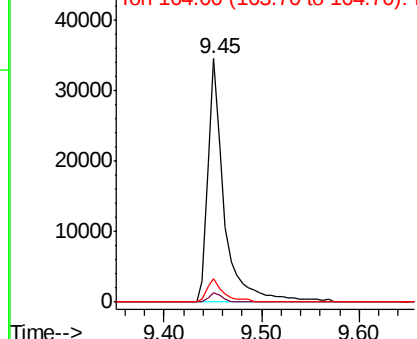
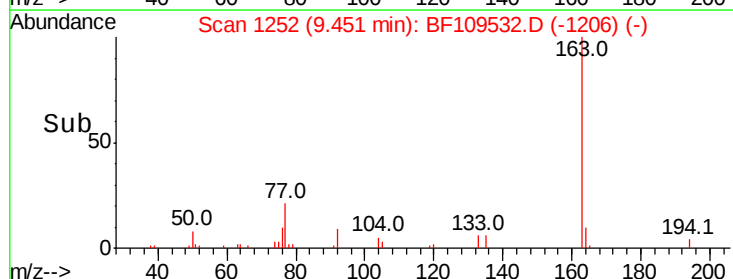


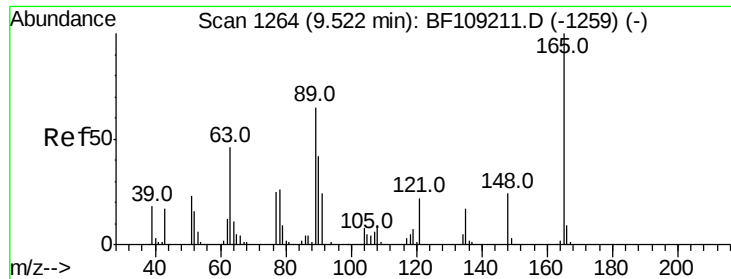
#49
Dimethylphthalate
Concen: 3.325 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Tgt Ion:163 Resp: 40405
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.7 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

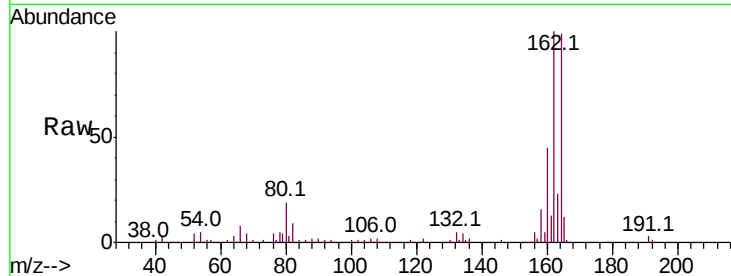




#50
 2,6-Dinitrotoluene
 Concen: 8.515 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109532.D
 Acq: 3 Oct 2018 5:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.7	44.0	66.0#

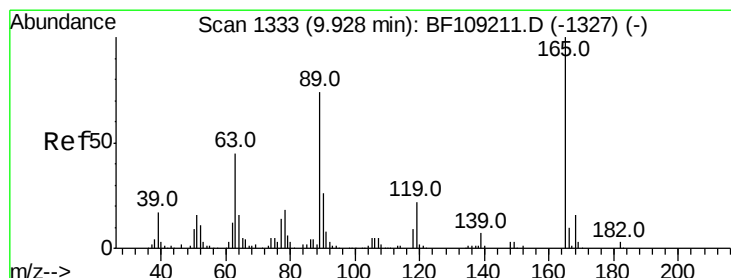
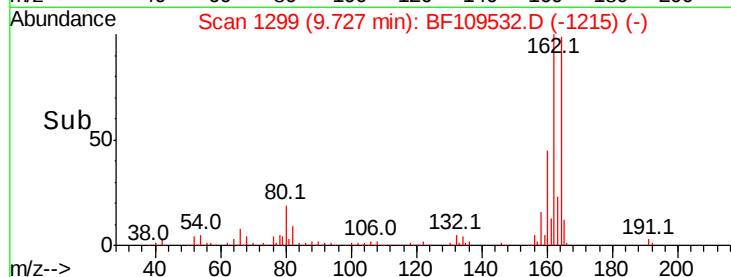
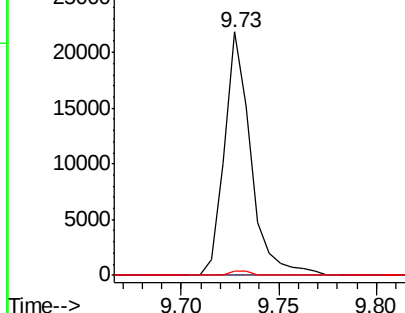


Abundance

Ion 165.00 (164.70 to 165.70): E

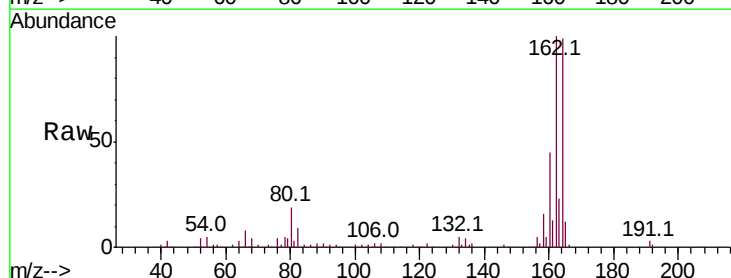
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.729 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109532.D
 Acq: 3 Oct 2018 5:49

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



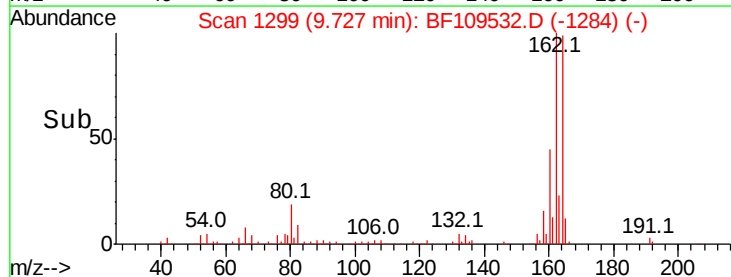
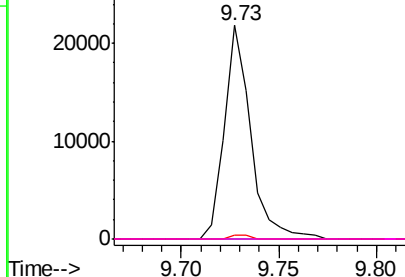
Abundance

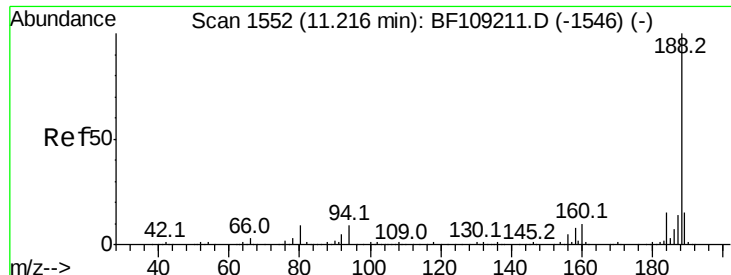
Ion 165.00 (164.70 to 165.70): E

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

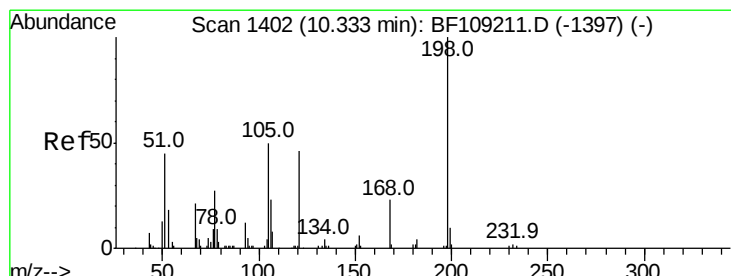
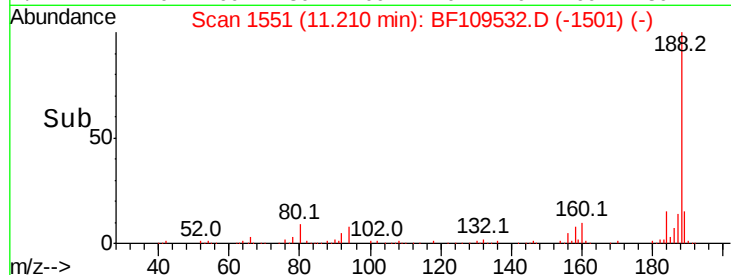
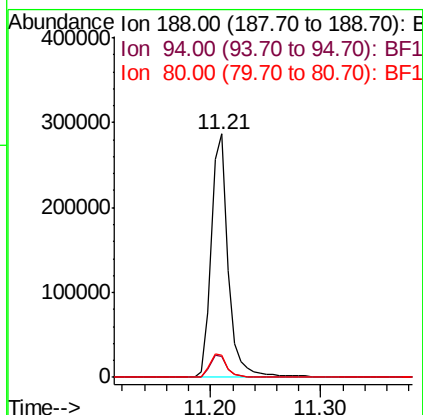
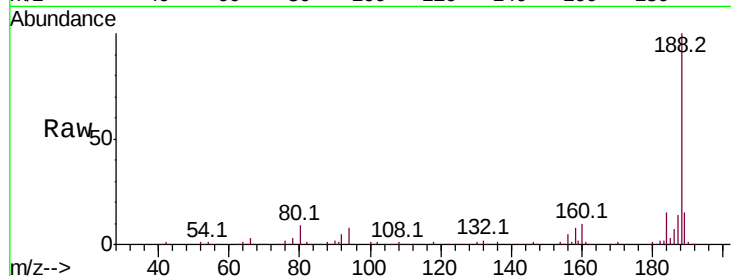




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

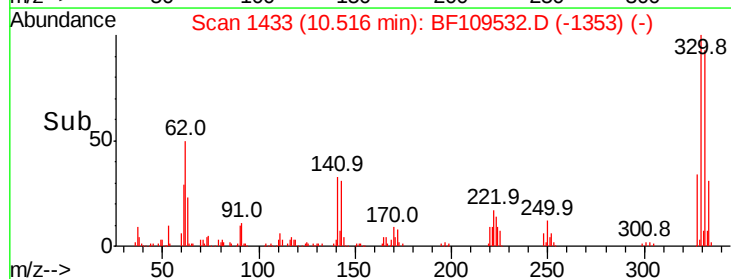
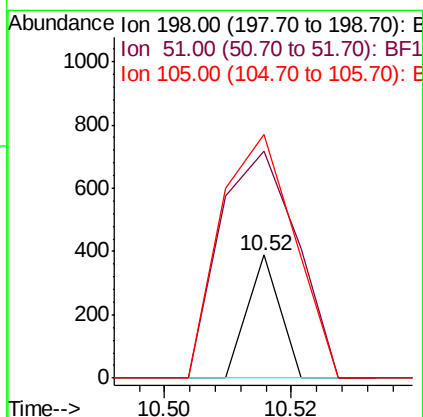
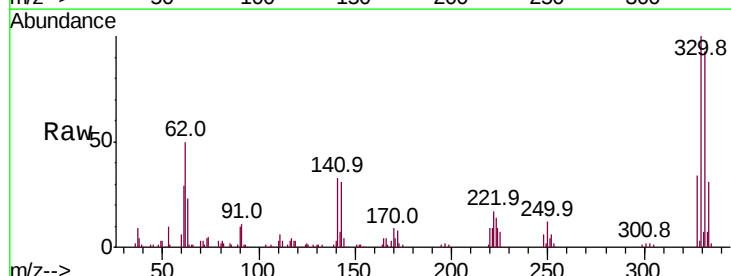
Instrument :
BNA_F
ClientSampleId :

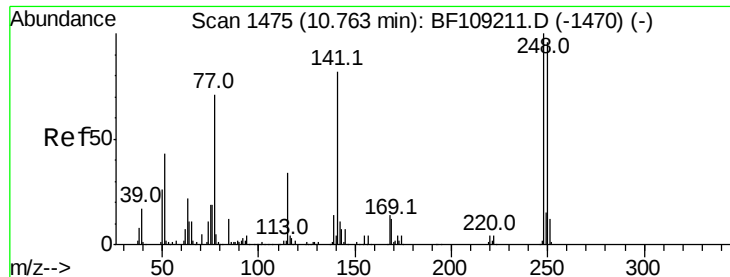
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.3	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.618 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Tgt Ion	Ratio	Lower	Upper
198	100		
51	184.1	37.7	77.7#
105	197.7	36.3	76.3#

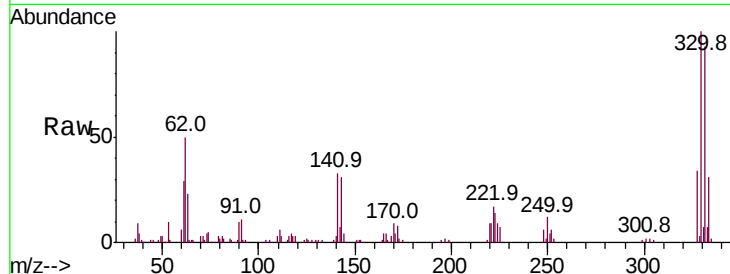




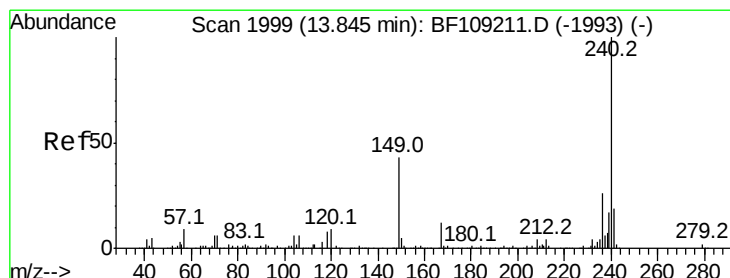
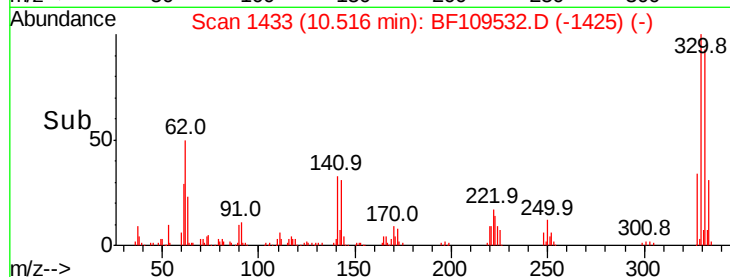
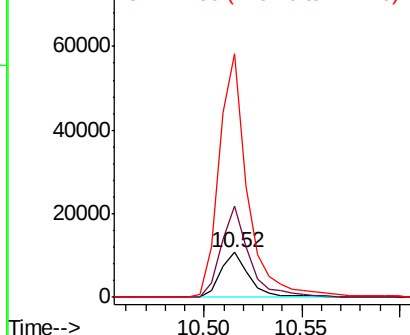
#66
4-Bromophenyl-phenylether
Concen: 3.239 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.25 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10788
Ion Ratio Lower Upper
248 100
250 201.9 76.9 115.3#
141 542.2 74.4 111.6#

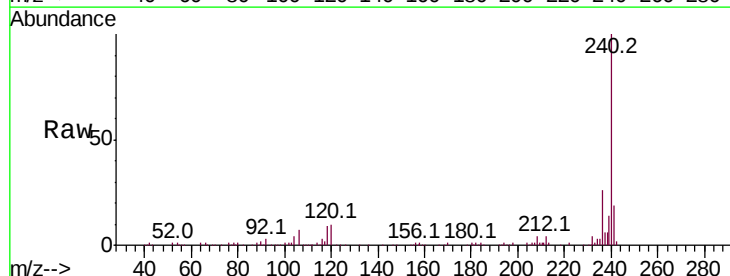


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

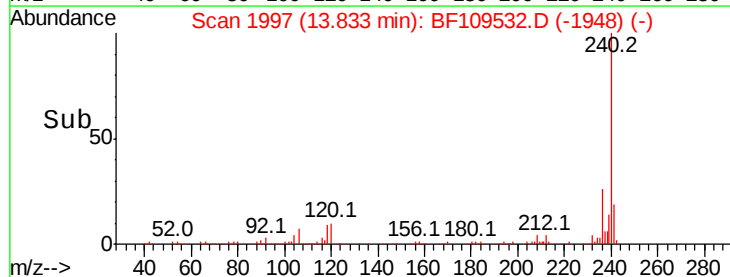
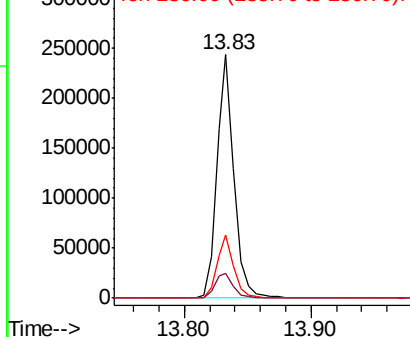


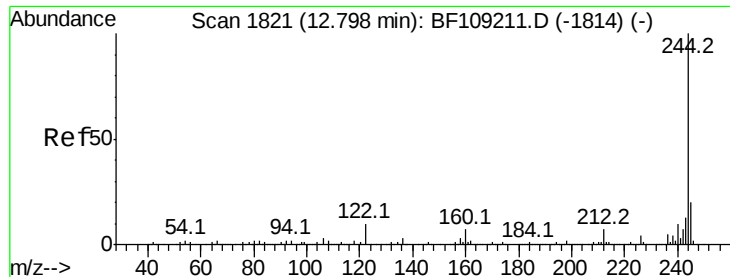
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109532.D
Acq: 3 Oct 2018 5:49

Tgt Ion:240 Resp: 229062
Ion Ratio Lower Upper
240 100
120 10.3 9.5 14.3
236 25.8 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: 111.576 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109532.D

Acq: 3 Oct 2018 5:49

Instrument :

BNA_F

ClientSampleId :

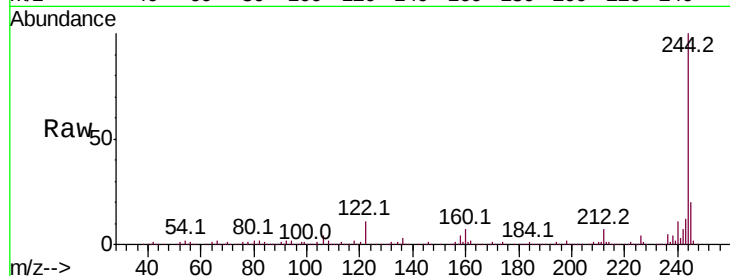
Tot Ion:244 Resp: 1041402

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

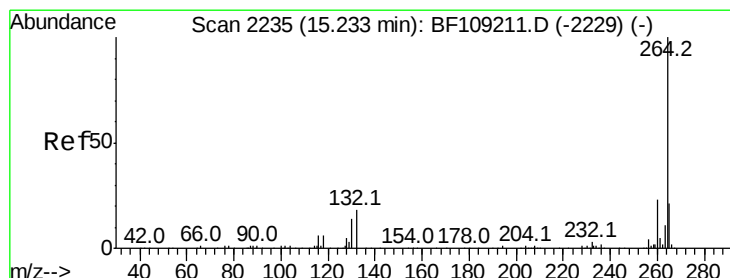
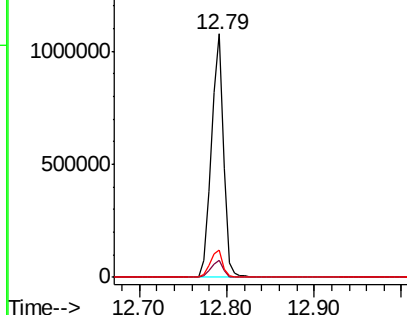
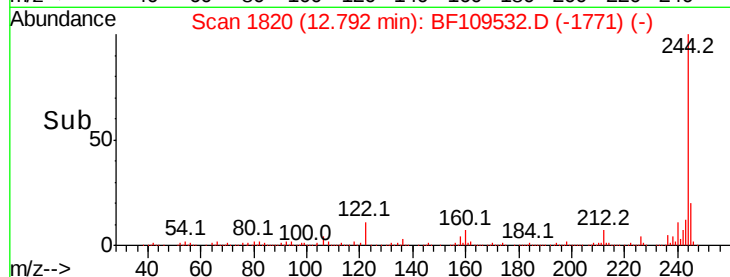
122 11.3 11.0 16.4



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: BF109532.D

Acq: 3 Oct 2018 5:49

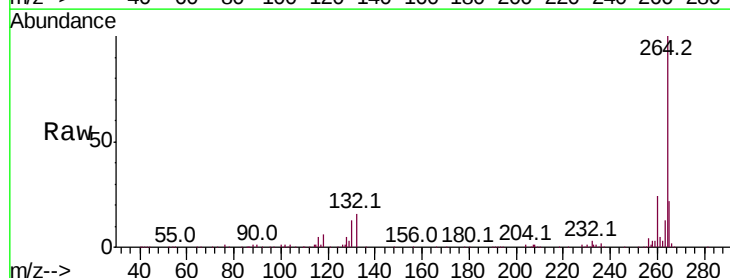
Tgt Ion:264 Resp: 236305

Ion Ratio Lower Upper

264 100

260 24.5 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

