

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
 Data File : BF109374.D
 Acq On : 27 Sep 2018 8:26
 Operator : JU/SJ
 Sample : J5051-10
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 11:29:34 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	106821	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	391882	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	168494	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	289143	20.00	ng	0.00
75) Chrysene-d12	13.84	240	282107	20.00	ng	0.00
86) Perylene-d12	15.24	264	224878	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	269059	41.49	ng	0.00
7) Phenol-d6	6.34	99	214803	25.96	ng	-0.02
23) Nitrobenzene-d5	7.27	82	675180	101.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	158063	95.16	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1111824	99.52	ng	0.00
78) Terphenyl-d14	12.80	244	1075691	93.58	ng	0.00

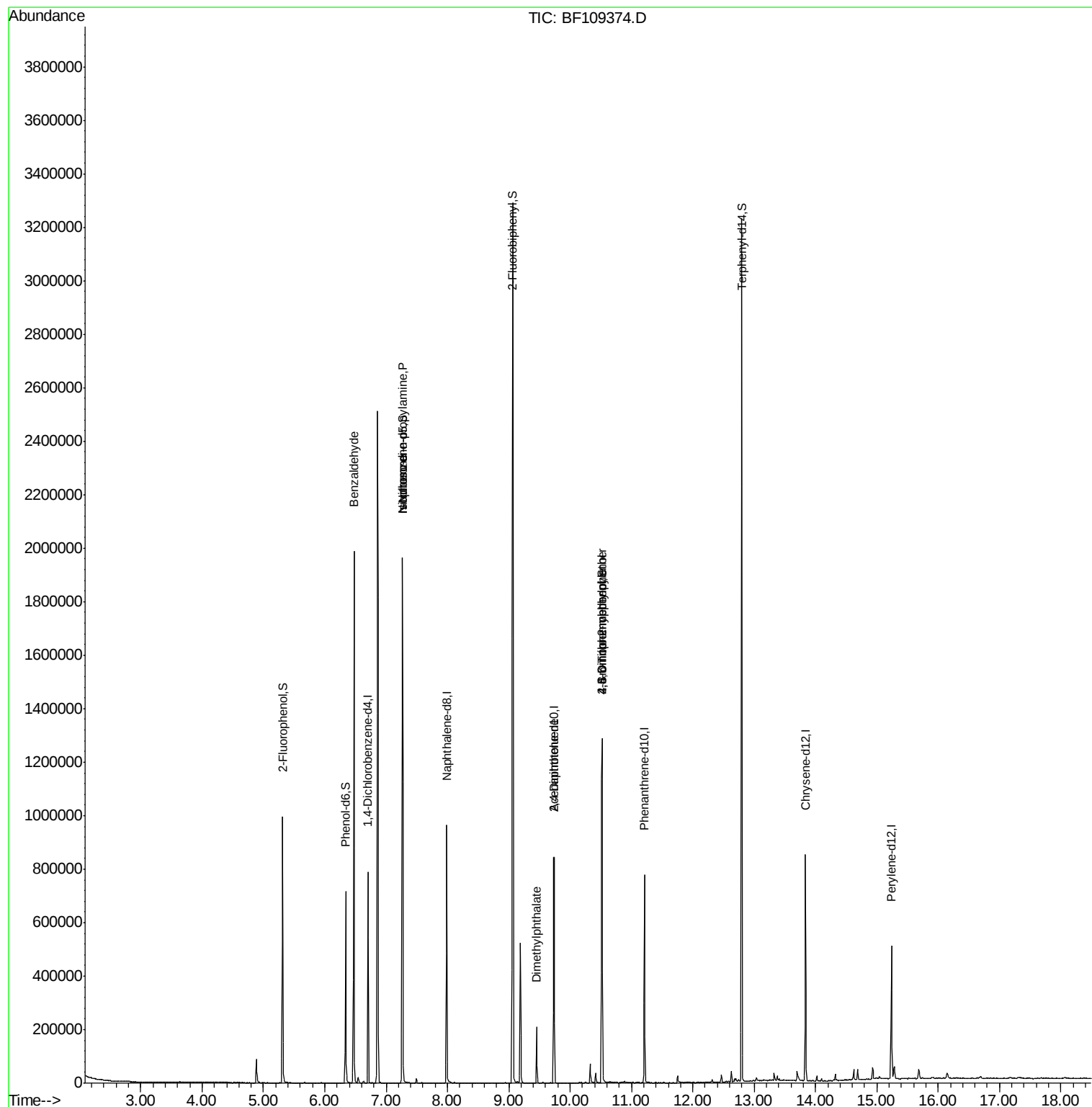
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	11164	2.100	ng	# 74
19) n-Nitroso-di-n-propylamine	7.27	70	91371	16.850	ng	# 76
25) Isophorone	7.27	82	646288	54.064	ng	# 64
49) Dimethylphthalate	9.46	163	83140	6.784	ng	# 98
56) 2,4-Dinitrotoluene	9.73	165	21105	6.872	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.52	198	294	6.739	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	9526	2.967	ng	# 1

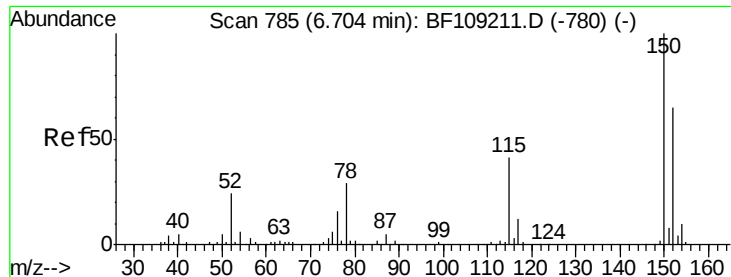
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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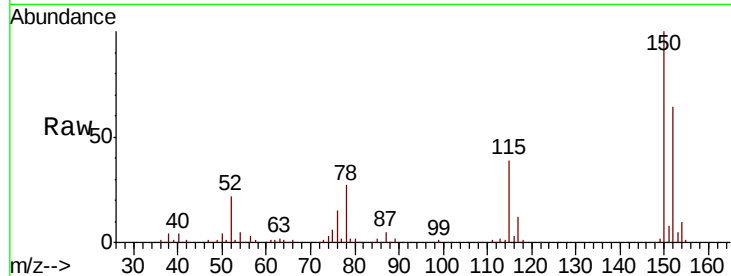




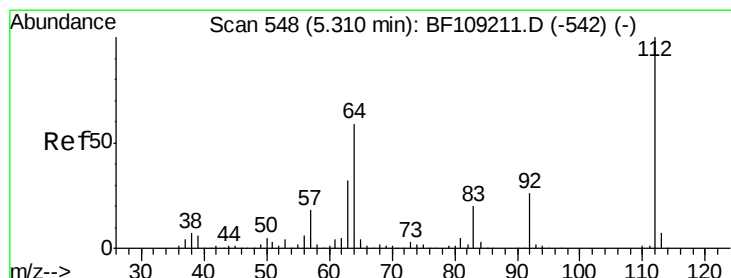
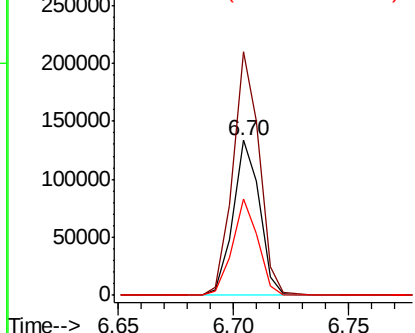
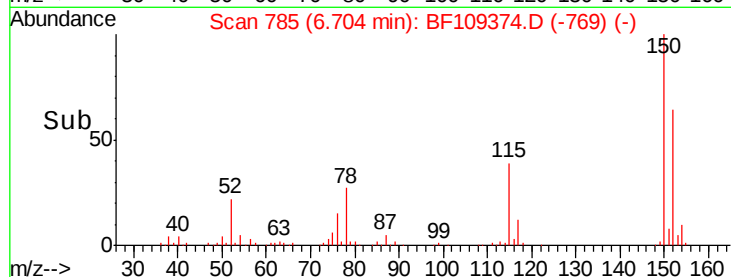
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109374.D
 Acq: 27 Sep 2018 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 106821
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.6 186.8
 115 61.7 50.1 75.1

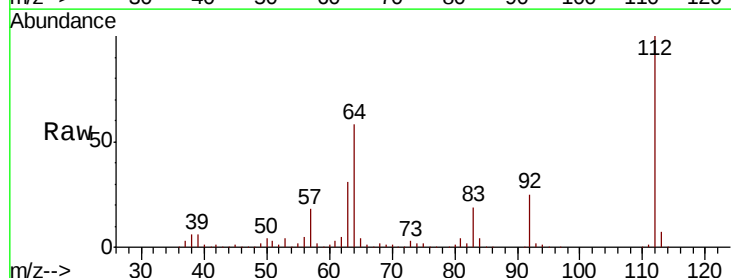


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

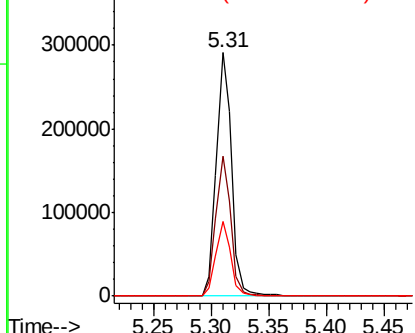
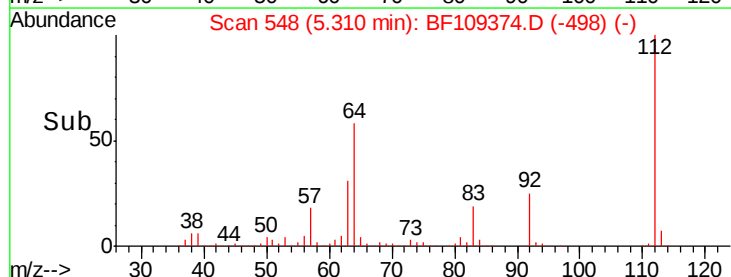


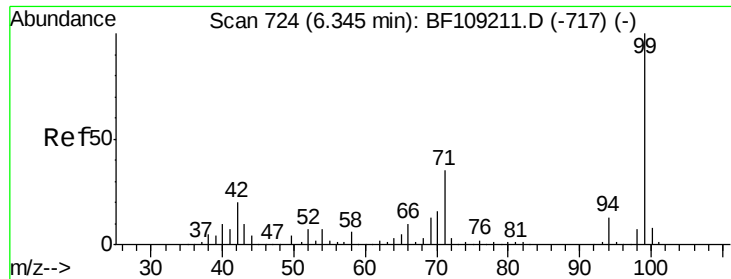
#5
 2-Fluorophenol
 Concen: 41.486 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109374.D
 Acq: 27 Sep 2018 8:26

Tgt Ion:112 Resp: 269059
 Ion Ratio Lower Upper
 112 100
 64 57.5 47.9 71.9
 63 30.6 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: 25.956 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109374.D

Acq: 27 Sep 2018 8:26

Instrument :

BNA_F

ClientSampleId :

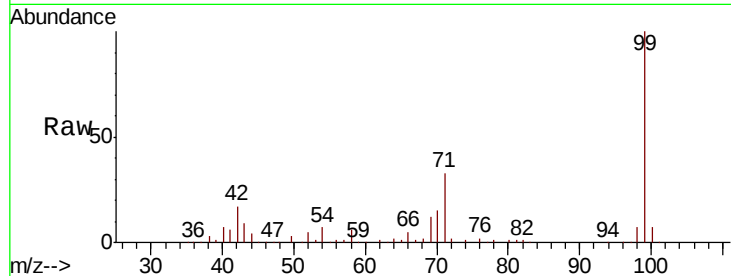
Tot Ion: 99 Resp: 214803

Ion Ratio Lower Upper

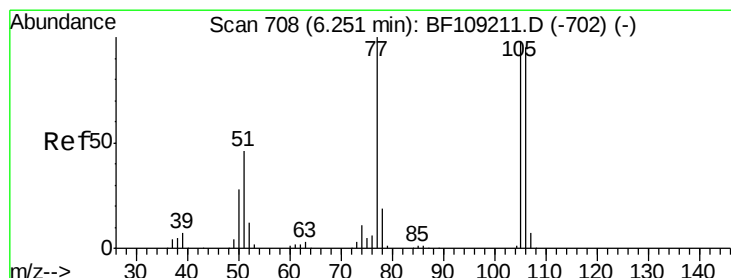
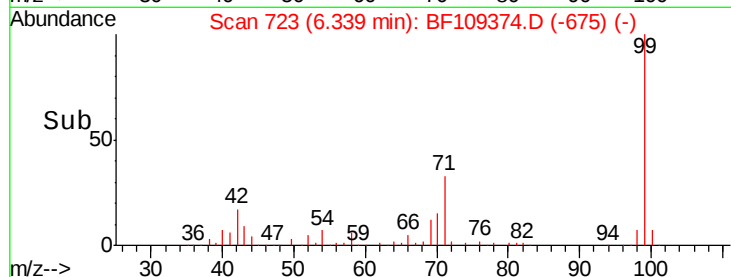
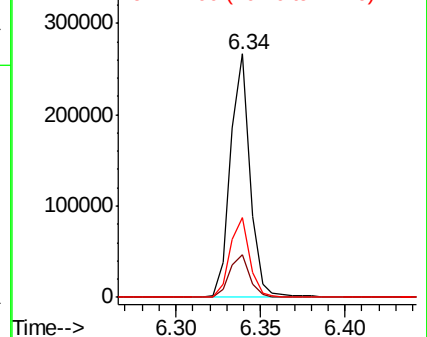
99 100

42 17.3 14.5 21.7

71 32.8 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: 2.100 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.22 min

Lab File: BF109374.D

Acq: 27 Sep 2018 8:26

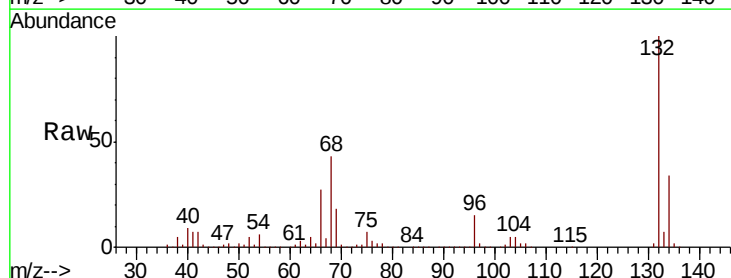
Tgt Ion: 77 Resp: 11164

Ion Ratio Lower Upper

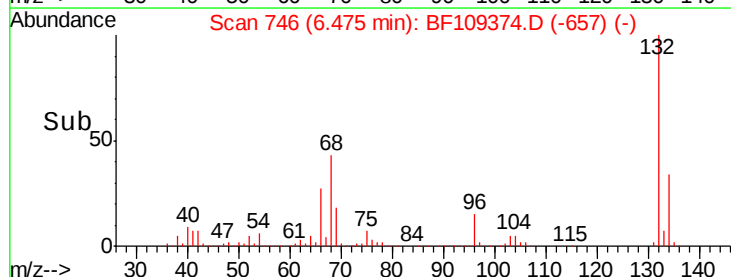
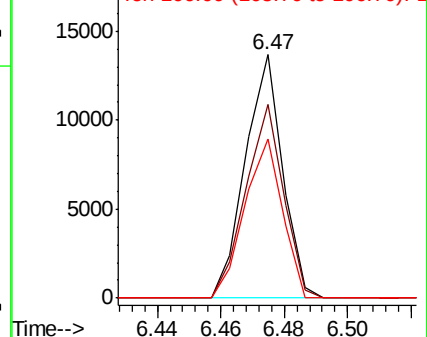
77 100

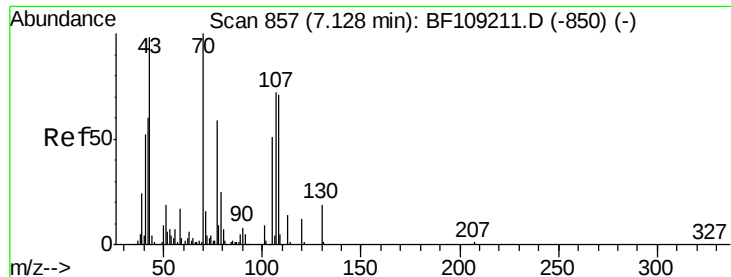
105 79.5 81.1 121.1#

106 65.5 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

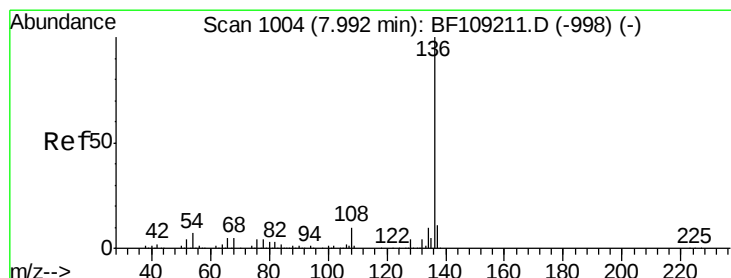
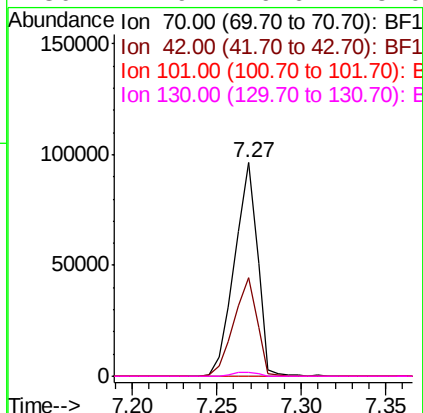
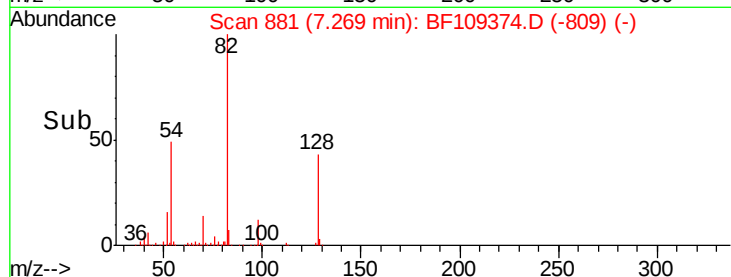
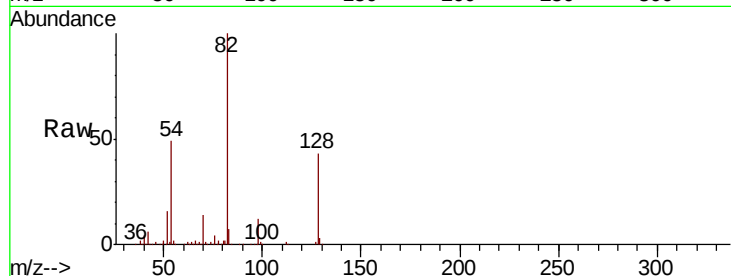




#19
n-Nitroso-di-n-propylamine
Concen: 16.850 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

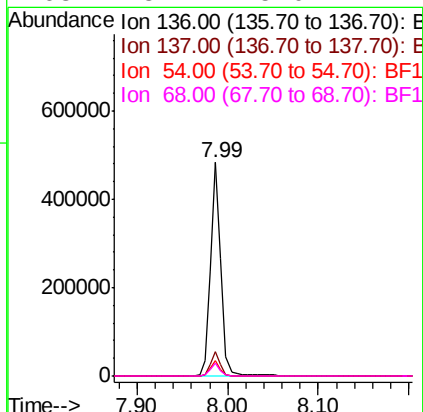
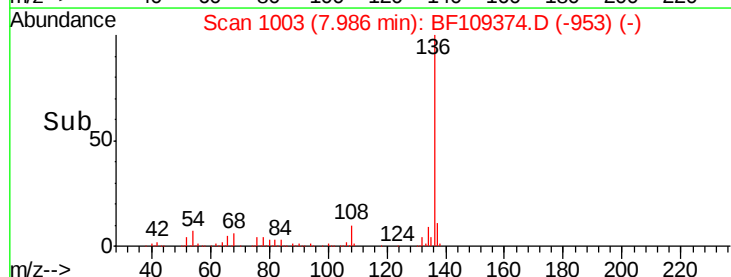
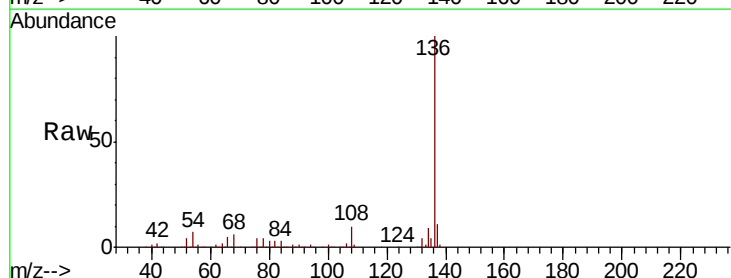
Instrument :
BNA_F
ClientSampleId :

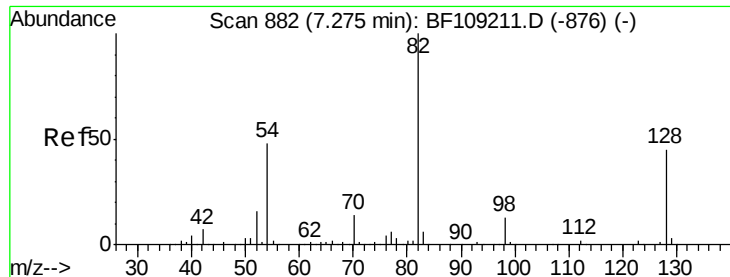
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.2	47.5	71.3#	
101	0.0	7.4	11.2#	
130	1.9	16.6	25.0#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	7.0	6.6	9.8	
68	5.7	5.0	7.4	

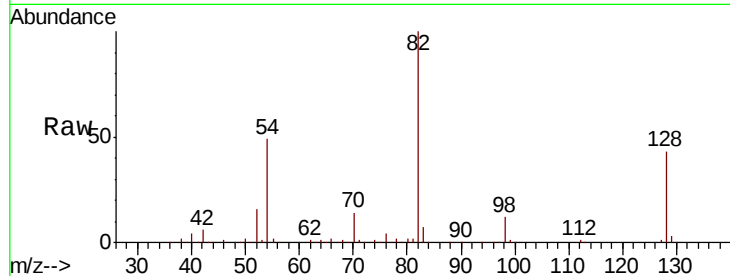




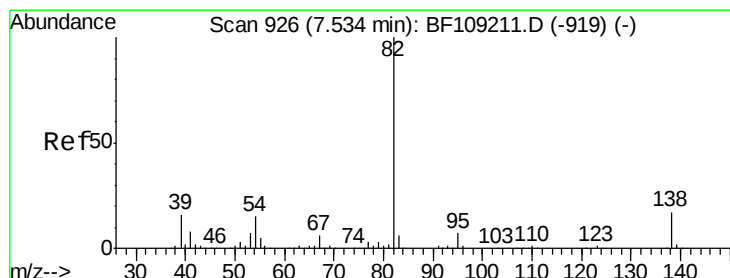
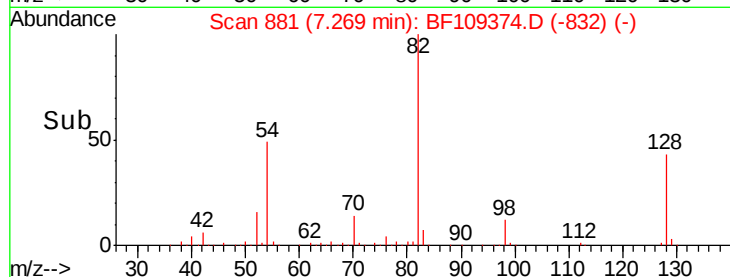
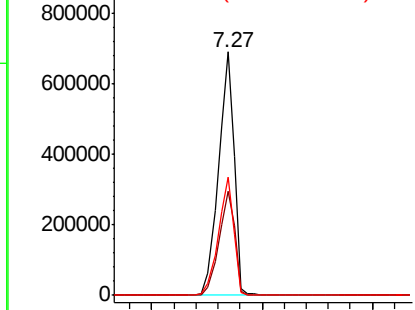
#23
Nitrobenzene-d5
Concen: 101.706 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	675180
Ion Ratio	Lower	Upper	
82	100		
128	43.0	36.1	54.1
54	48.7	41.4	62.2

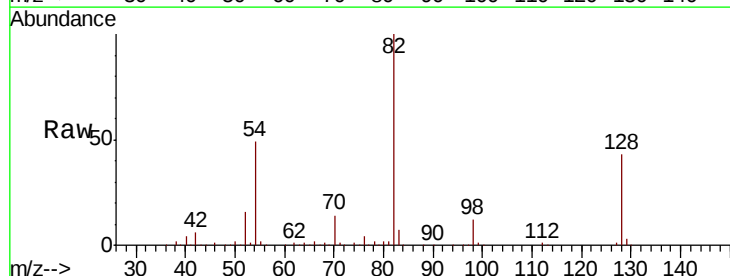


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

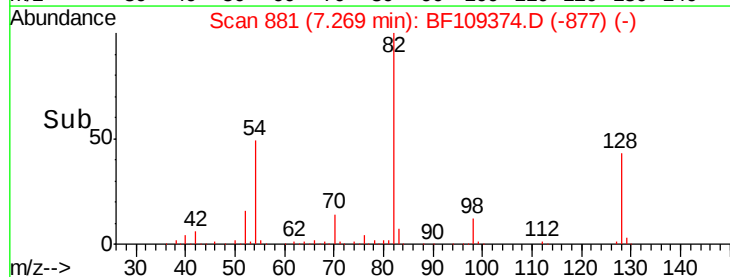
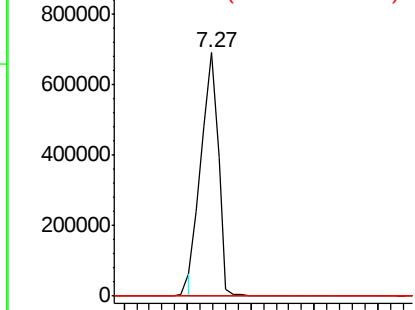


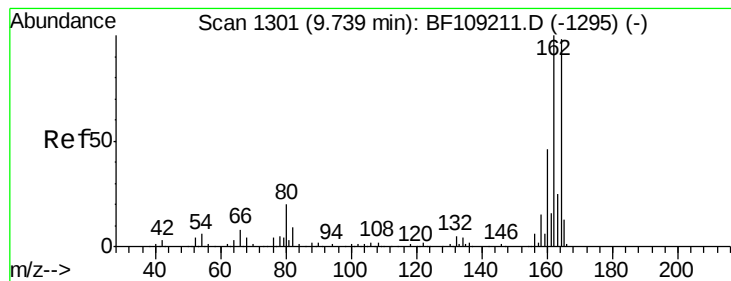
#25
Isophorone
Concen: 54.064 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Tgt Ion	82	Resp	646288
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# 1300

Delta R.T. -0.01 min

Lab File: BF109374.D

Acq: 27 Sep 2018 8:26

Instrument :

BNA_F

ClientSampled :

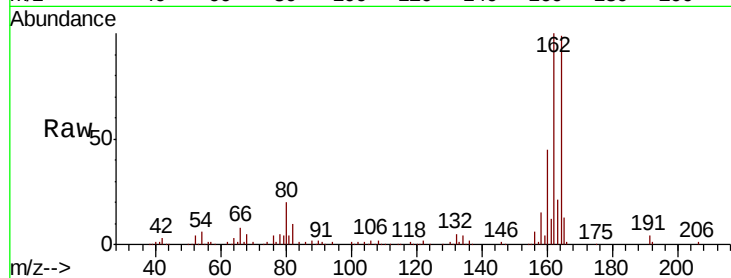
Tot Ion:164 Resp: 168494

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

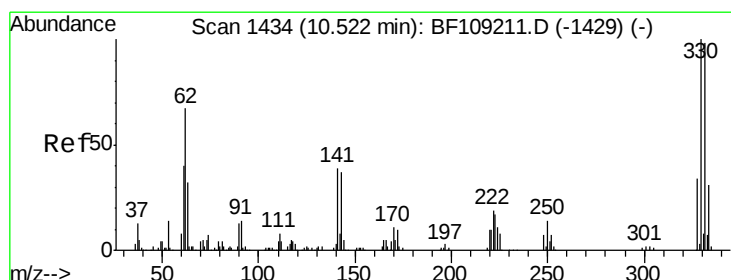
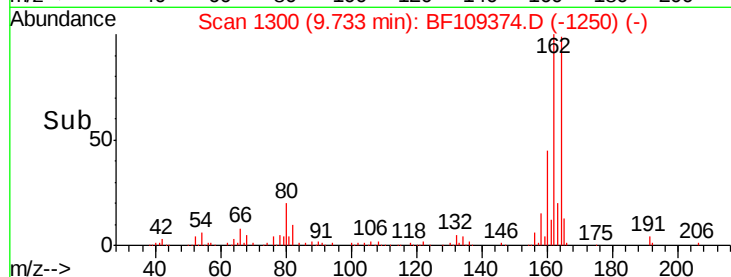
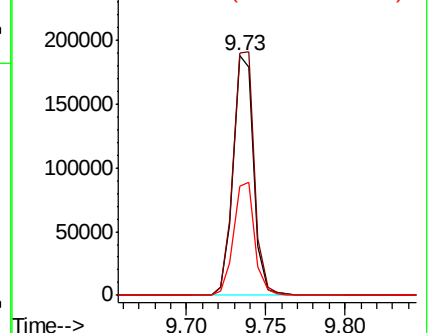
160 45.6 38.3 57.5



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: 95.161 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109374.D

Acq: 27 Sep 2018 8:26

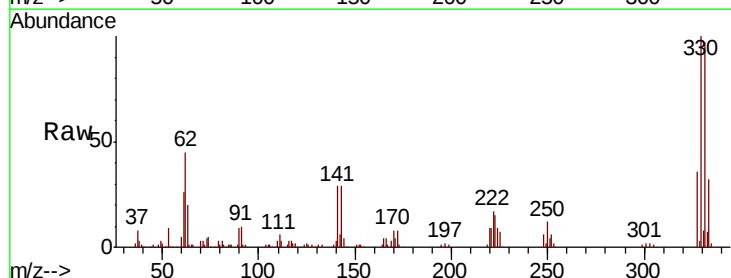
Tgt Ion:330 Resp: 158063

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

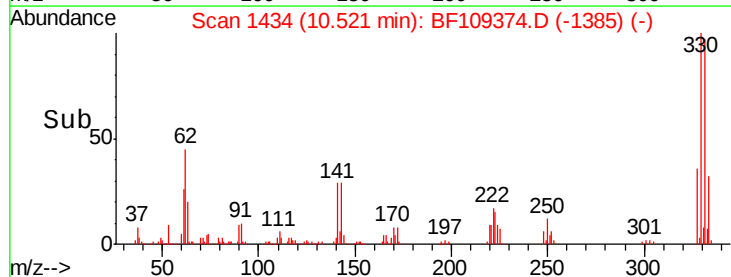
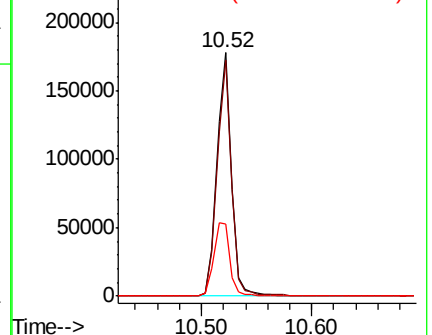
141 33.0 29.9 44.9

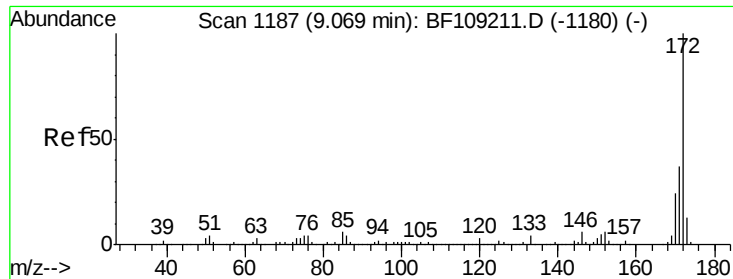


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

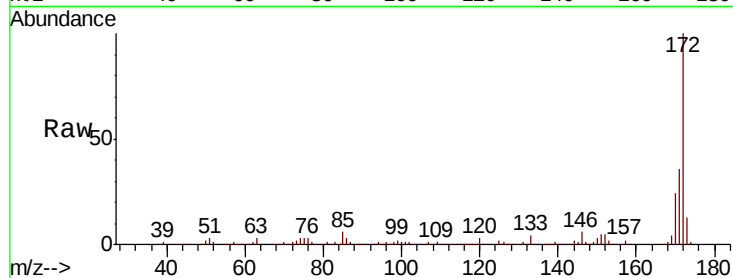




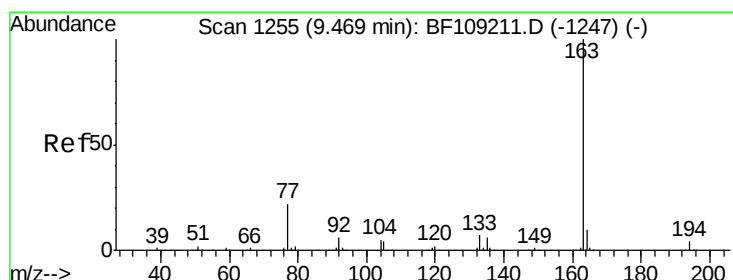
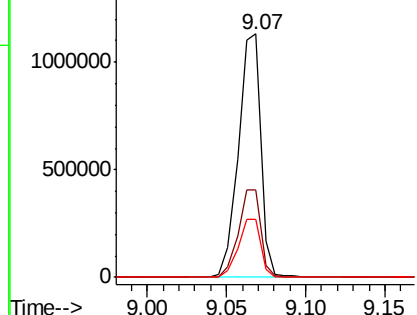
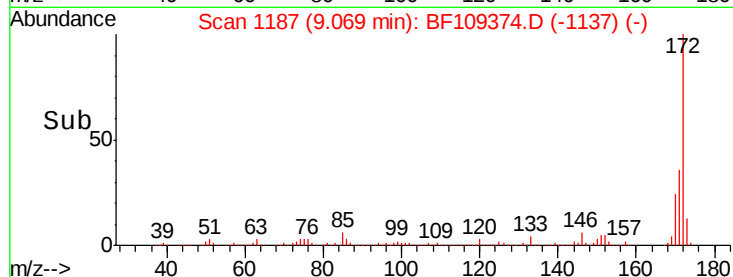
#44
2-Fluorobiphenyl
Concen: 99.520 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1111824
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

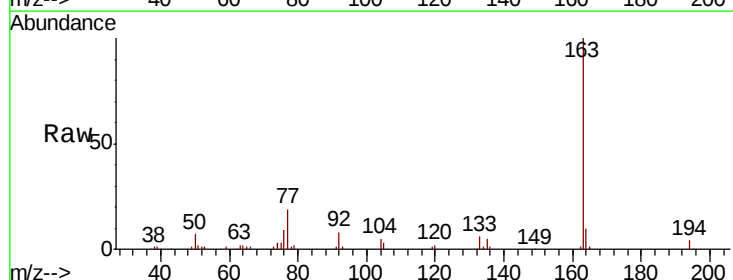


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

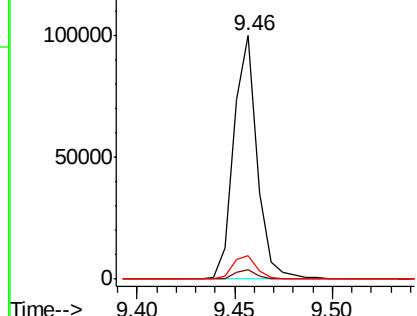
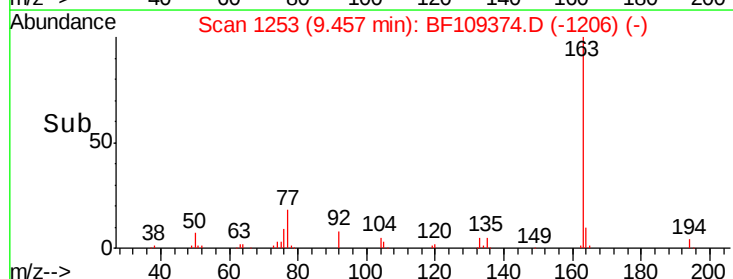


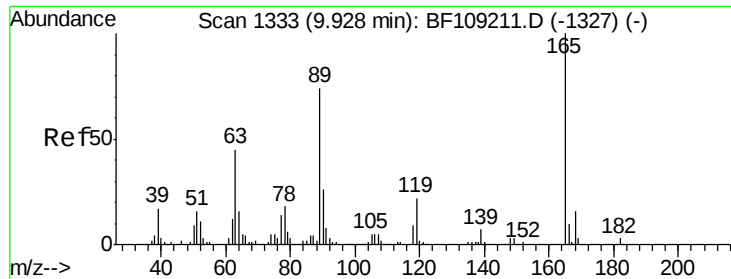
#49
Dimethylphthalate
Concen: 6.784 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Tgt Ion:163 Resp: 83140
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.5 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

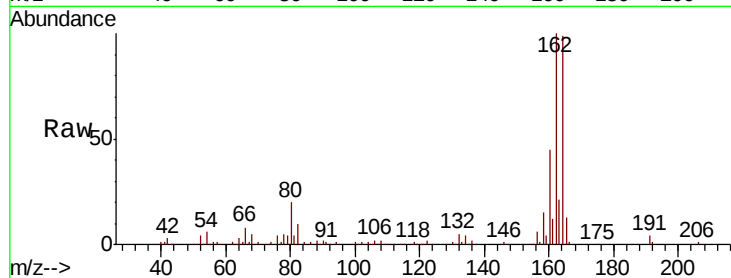




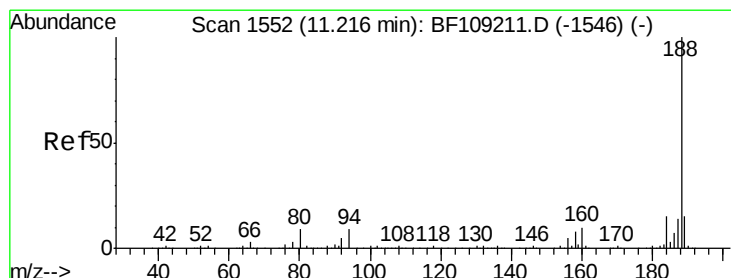
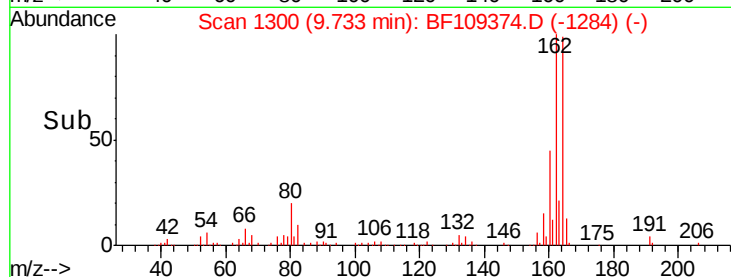
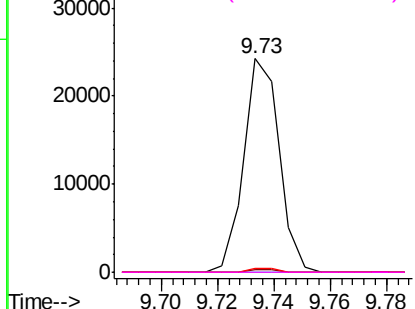
#56
 2,4-Dinitrotoluene
 Concen: 6.872 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109374.D
 Acq: 27 Sep 2018 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	21105
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

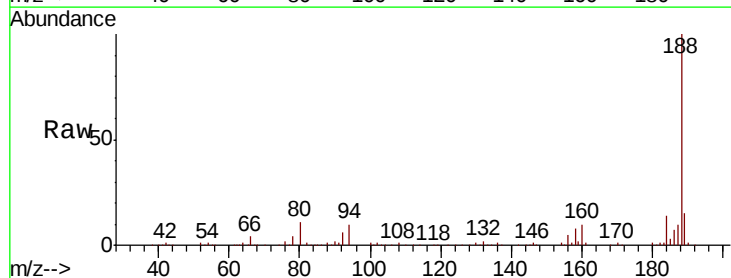


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

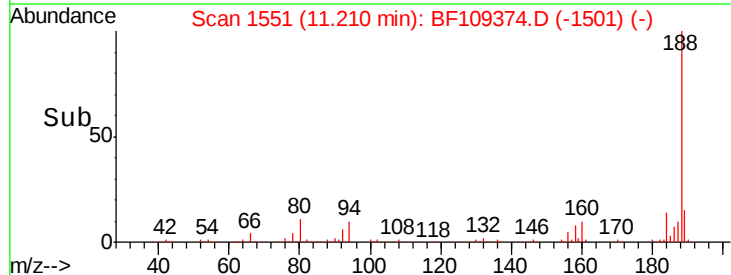
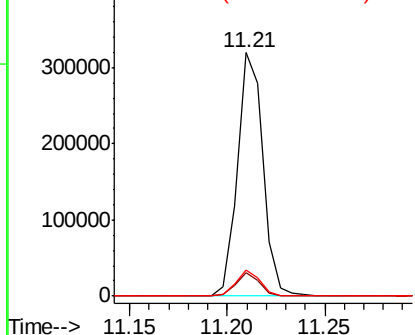


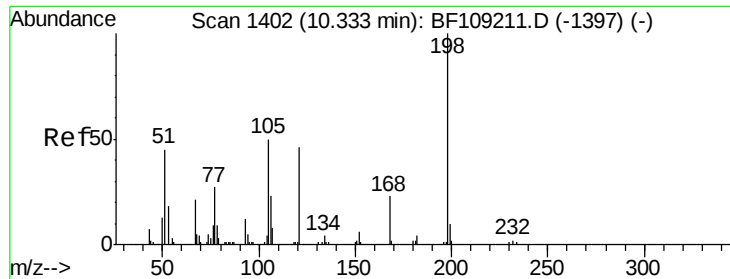
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109374.D
 Acq: 27 Sep 2018 8:26

Tgt Ion:	188	Resp:	289143
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.7	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

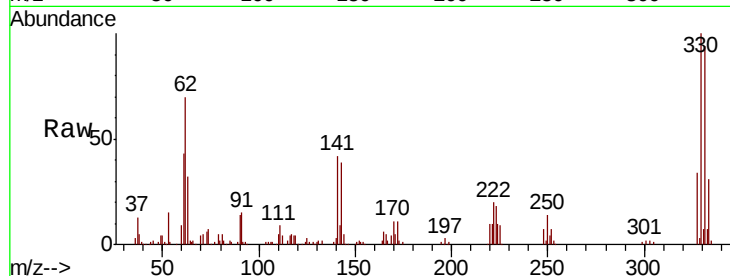




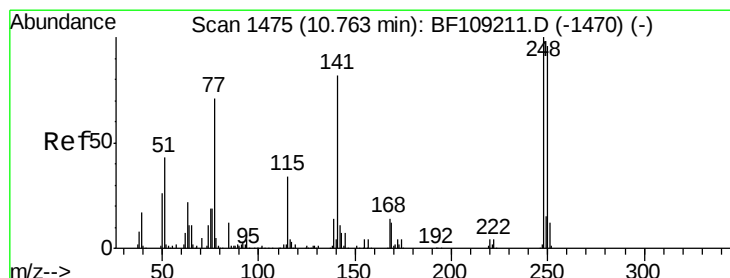
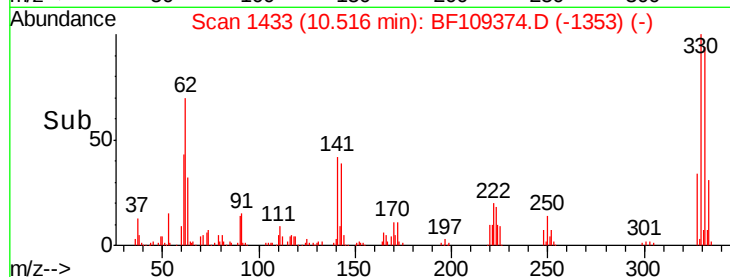
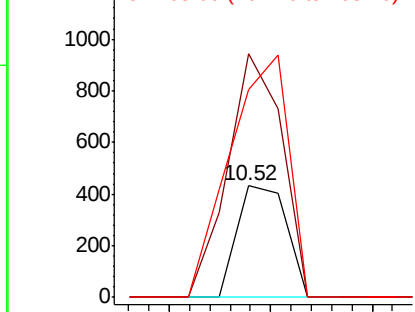
#64
4,6-Dinitro-2-methylphenol
Concen: 6.739 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.17 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 294
Ion Ratio Lower Upper
198 100
51 218.8 37.7 77.7#
105 187.0 36.3 76.3#

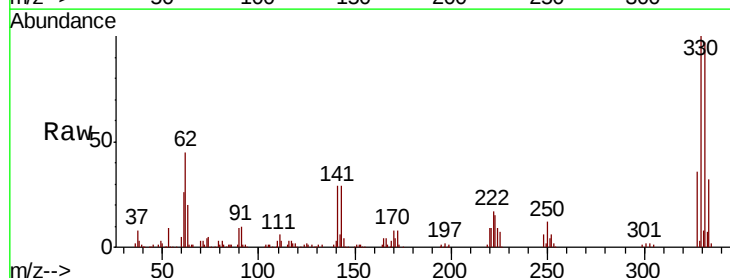


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

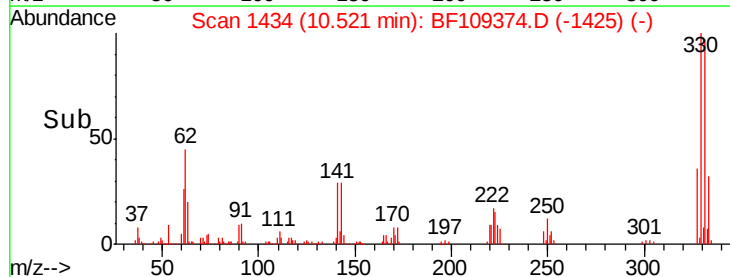
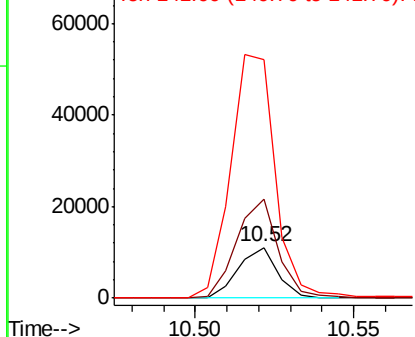


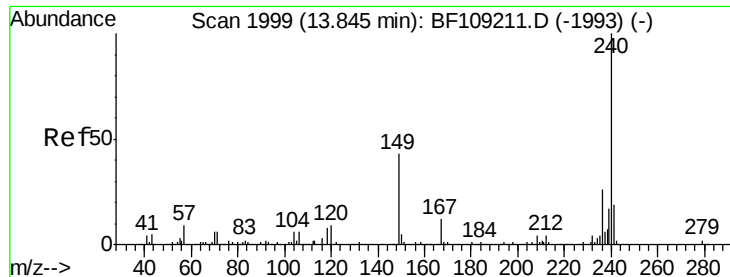
#66
4-Bromophenyl-phenylether
Concen: 2.967 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Tgt Ion:248 Resp: 9526
Ion Ratio Lower Upper
248 100
250 196.6 76.9 115.3#
141 474.1 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109374.D

Acq: 27 Sep 2018 8:26

Instrument :

BNA_F

ClientSampleId :

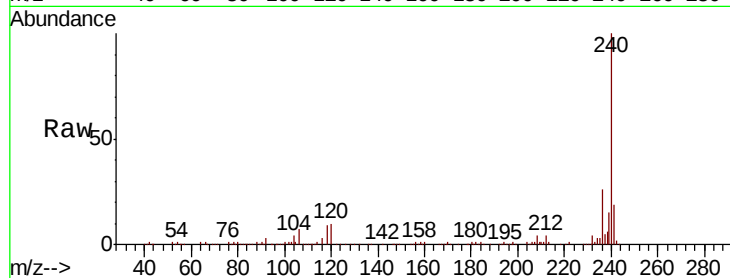
Tot Ion:240 Resp: 282107

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

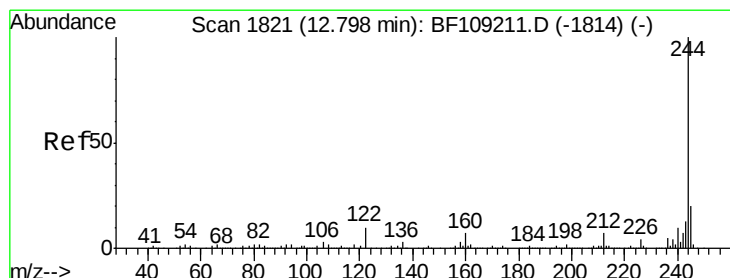
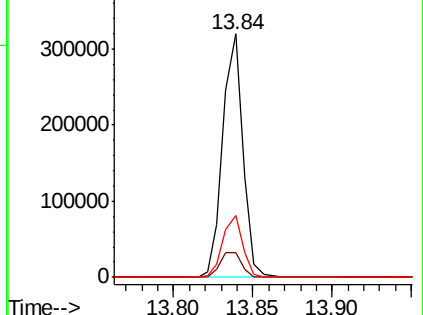
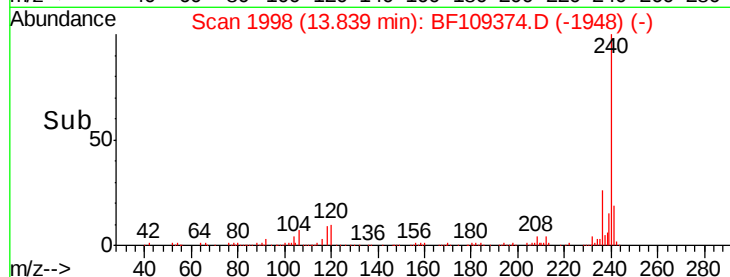
236 25.5 20.7 31.1



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: 93.579 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109374.D

Acq: 27 Sep 2018 8:26

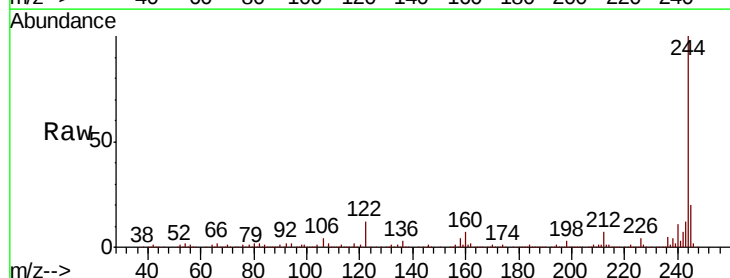
Tgt Ion:244 Resp: 1075691

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

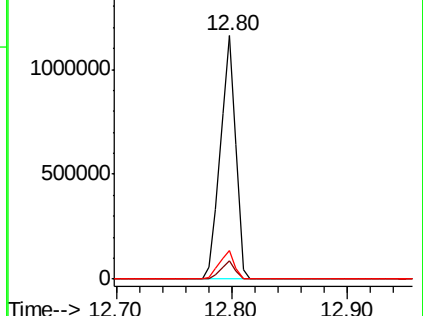
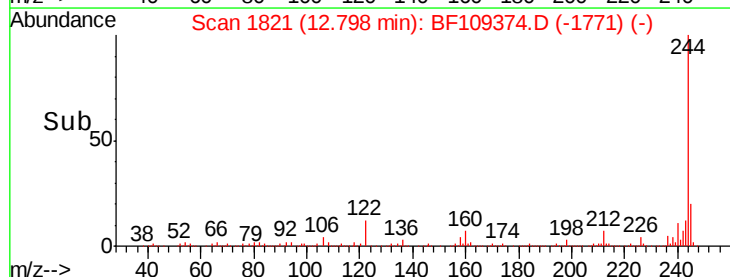
122 11.8 11.0 16.4

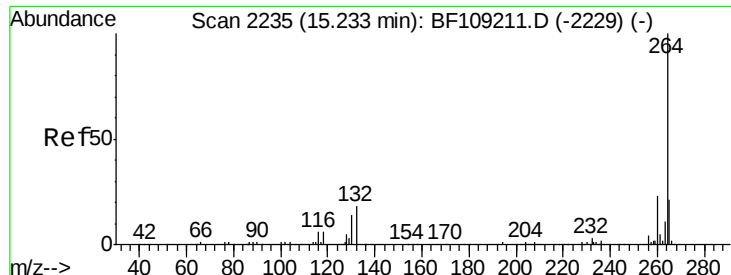


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109374.D
Acq: 27 Sep 2018 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.5	26.3

