

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109121.D
 Acq On : 19 Sep 2018 3:21
 Operator : JU/SJ
 Sample : J4930-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:07:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116257	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	389889	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	153330	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	268905	20.00	ng	0.00
75) Chrysene-d12	13.85	240	316249	20.00	ng	0.00
86) Perylene-d12	15.26	264	259677	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	294527	42.08	ng	0.00
7) Phenol-d6	6.35	99	232280	25.74	ng	-0.01
23) Nitrobenzene-d5	7.28	82	690140	99.28	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	156092	93.80	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1082351	110.59	ng	0.00
78) Terphenyl-d14	12.81	244	1150114	86.20	ng	0.00

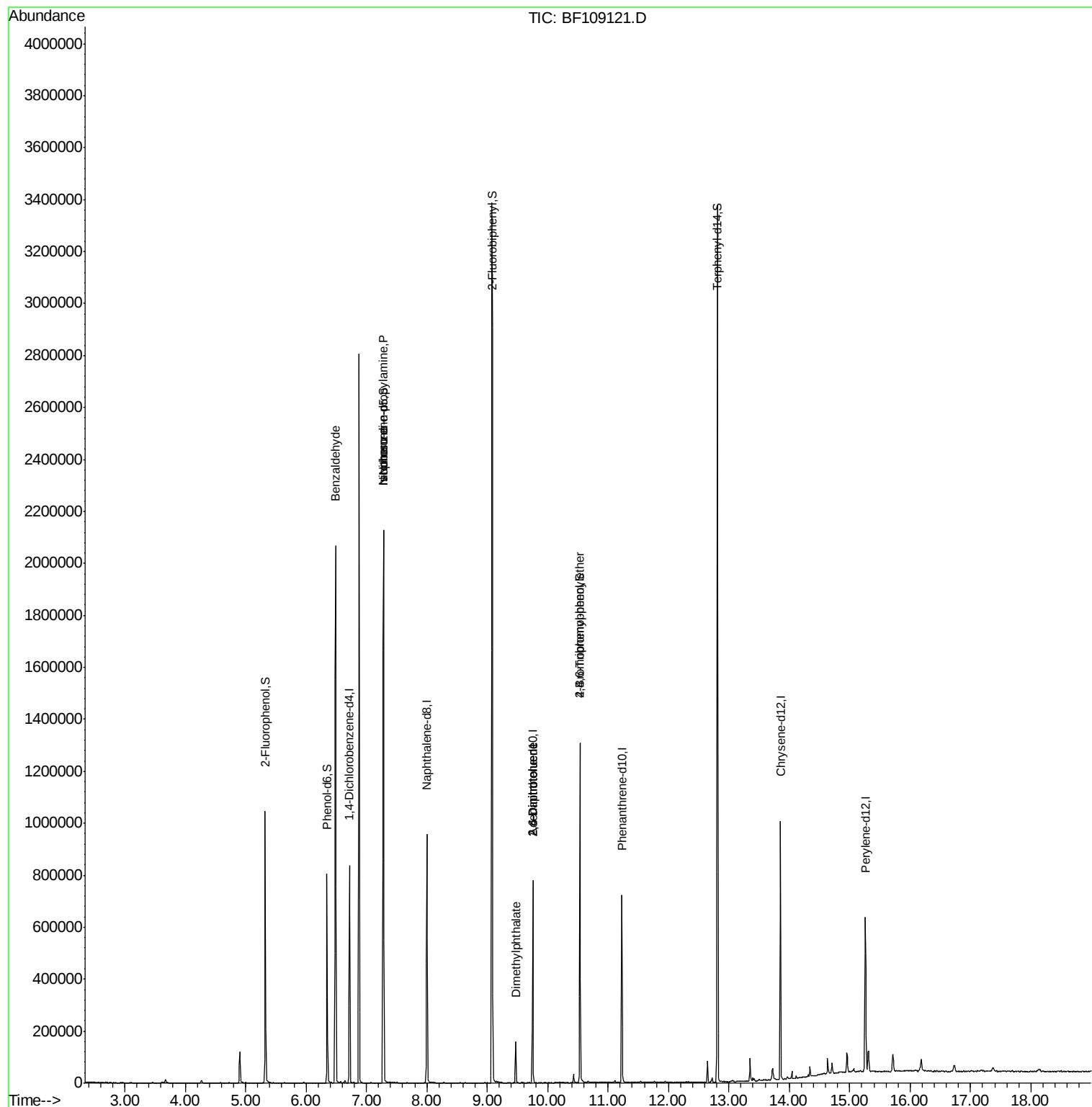
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	11971	2.077	ng	# 74
19) n-Nitroso-di-n-propylamine	7.28	70	94313	15.808	ng	# 78
25) Isophorone	7.28	82	687570	57.541	ng	# 64
49) Dimethylphthalate	9.47	163	66729	6.089	ng	# 99
50) 2,6-Dinitrotoluene	9.75	165	19144	7.877	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	19144	6.023	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	9601	3.167	ng	# 1

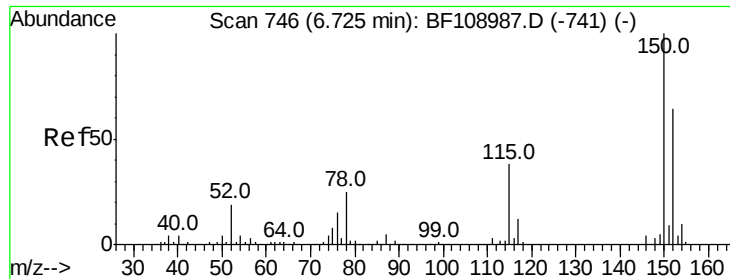
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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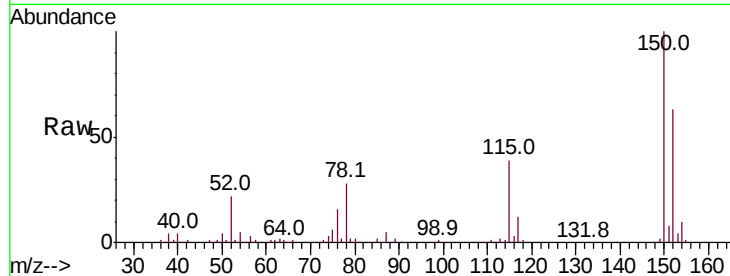


#1

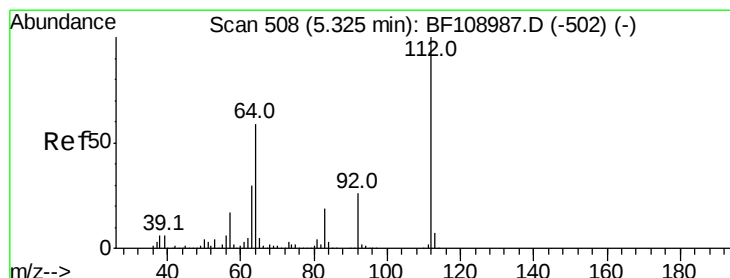
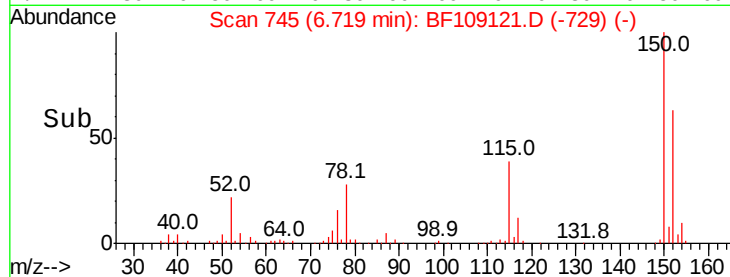
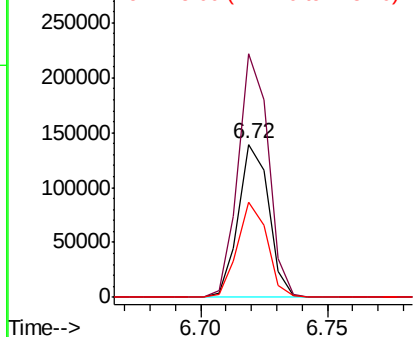
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116257
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 62.4 50.1 75.1



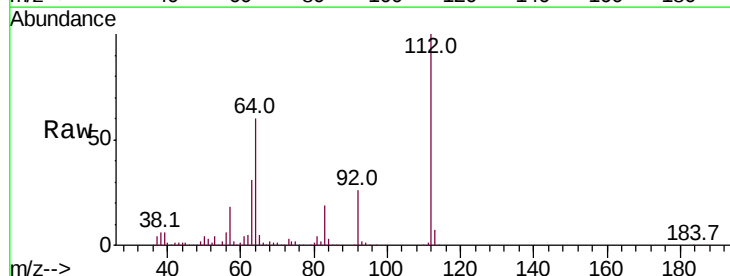
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



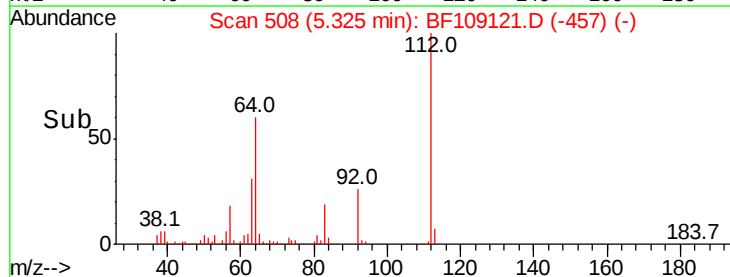
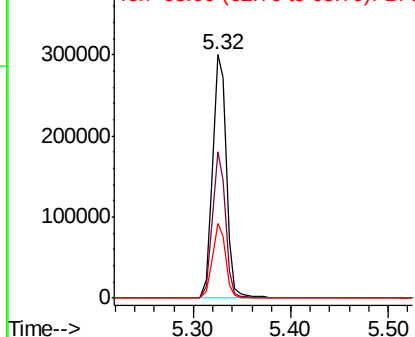
#5

2-Fluorophenol
Concen: 42.077 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

Tgt Ion:112 Resp: 294527
Ion Ratio Lower Upper
112 100
64 60.0 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: 25.735 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109121.D

Acq: 19 Sep 2018 3:21

Instrument :

BNA_F

ClientSampleId :

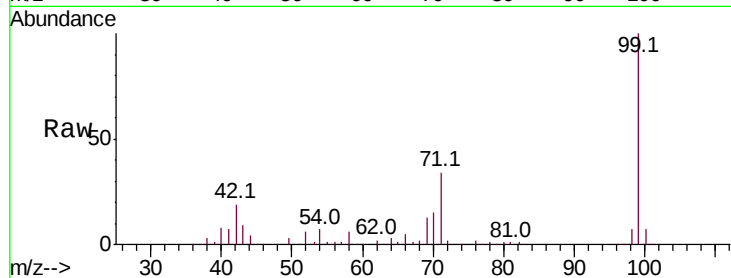
Tot Ion: 99 Resp: 232280

Ion Ratio Lower Upper

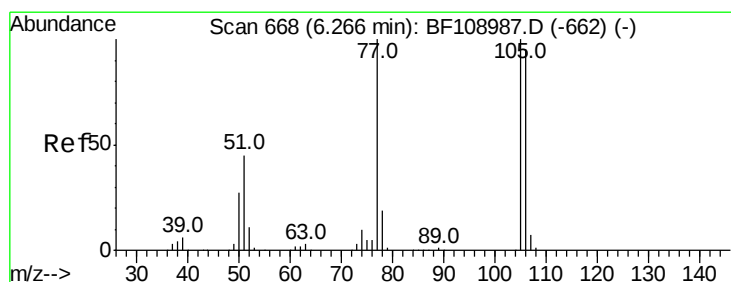
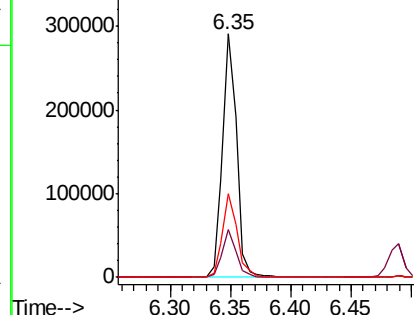
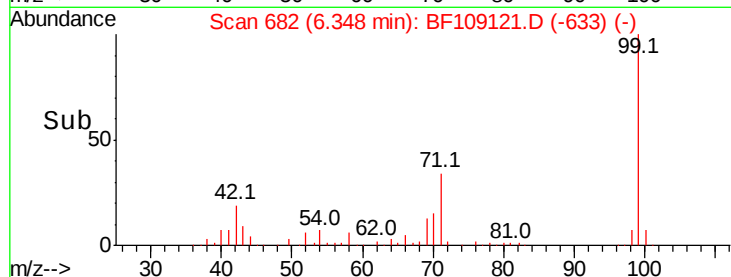
99 100

42 19.4 14.5 21.7

71 34.5 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: 2.077 ng

RT: 6.49 min Scan# 706

Delta R.T. 0.22 min

Lab File: BF109121.D

Acq: 19 Sep 2018 3:21

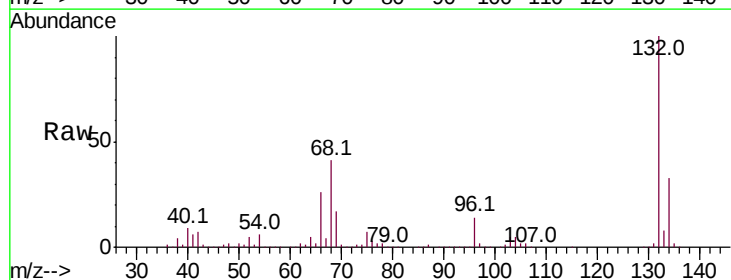
Tgt Ion: 77 Resp: 11971

Ion Ratio Lower Upper

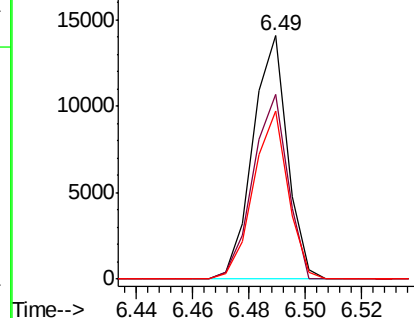
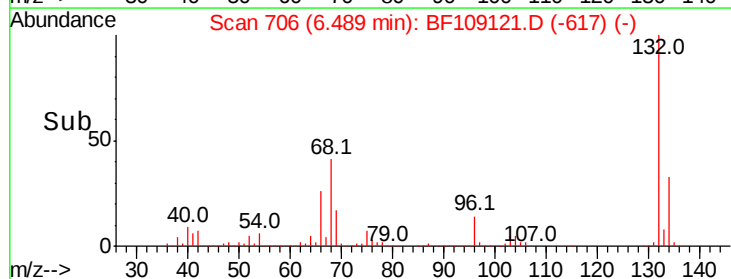
77 100

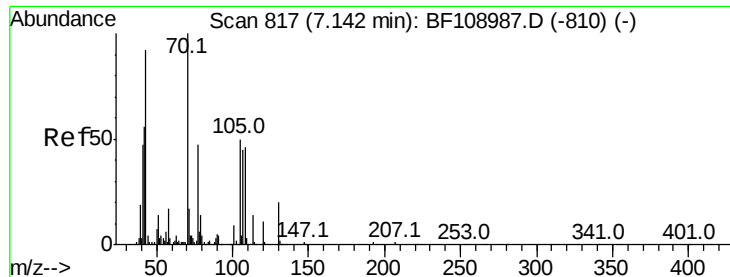
105 75.6 81.1 121.1#

106 68.9 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

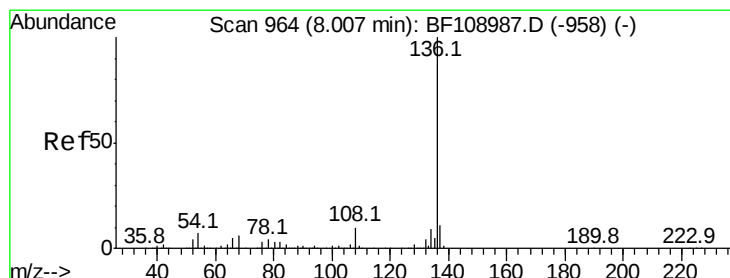
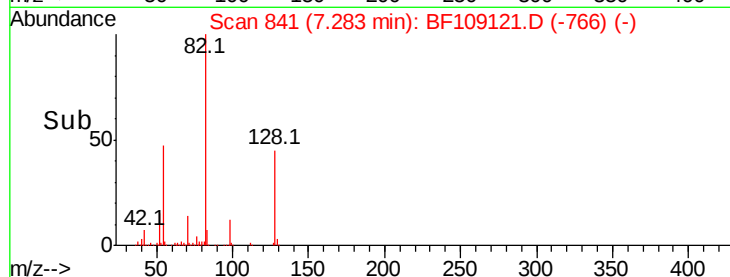
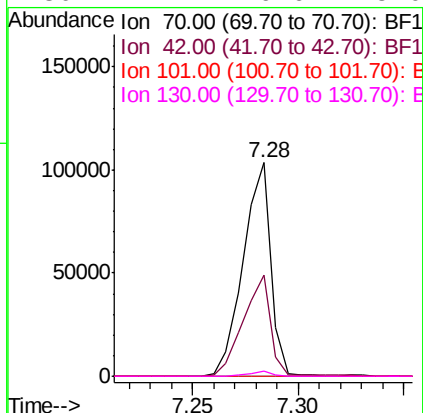
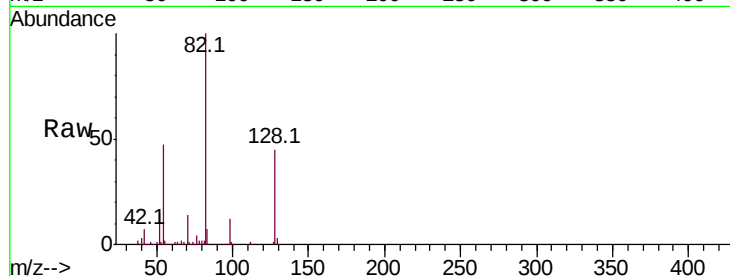




#19
n-Nitroso-di-n-propylamine
Concen: 15.808 ng
RT: 7.28 min Scan# 841
Delta R.T. 0.14 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

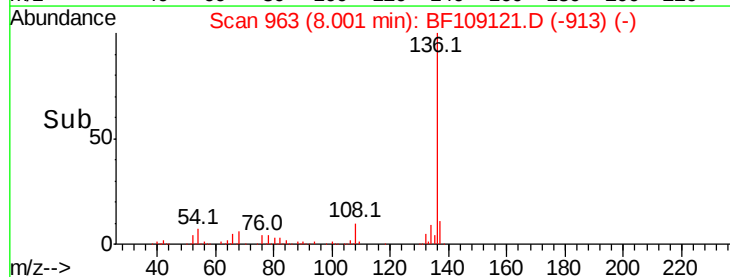
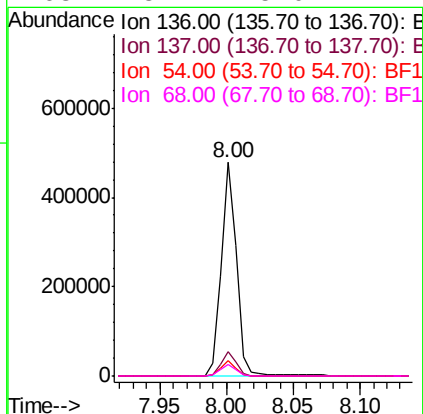
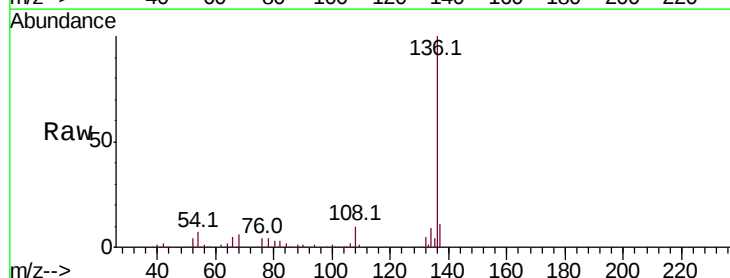
Instrument :
BNA_F
ClientSampleId :

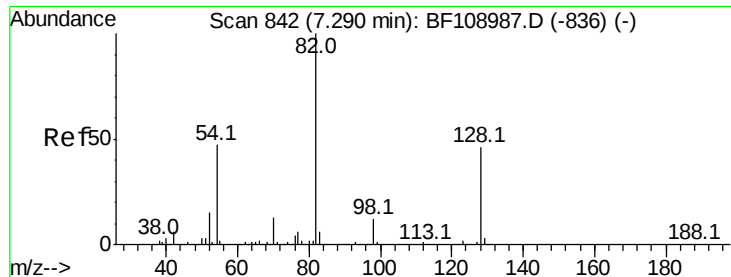
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	7.1	6.6	9.8
68	5.7	5.0	7.4

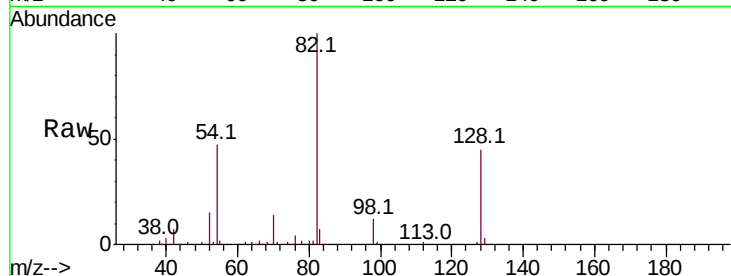




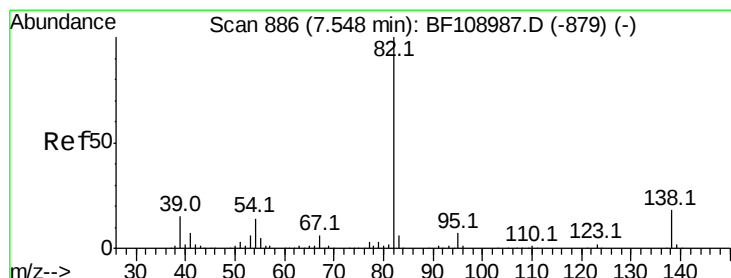
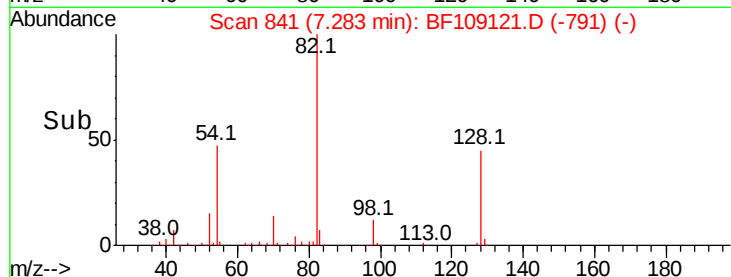
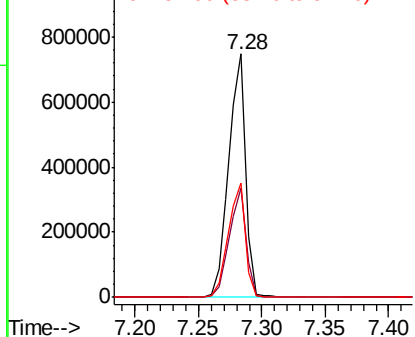
#23
Nitrobenzene-d5
Concen: 99.281 ng
RT: 7.28 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	690140
Ion Ratio	100	Lower	Upper
128	44.8	36.1	54.1
54	47.1	41.4	62.2

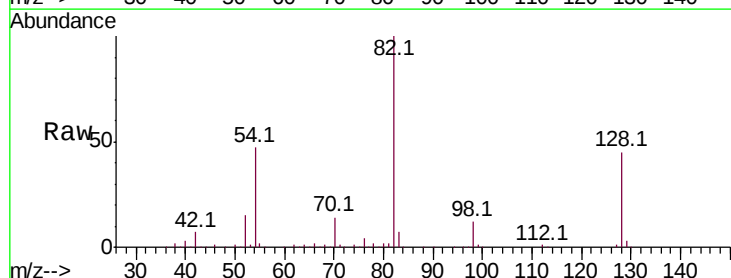


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

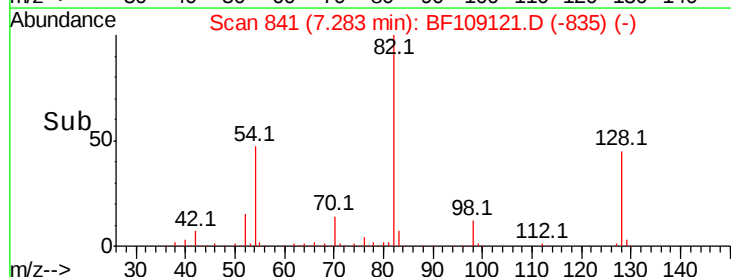
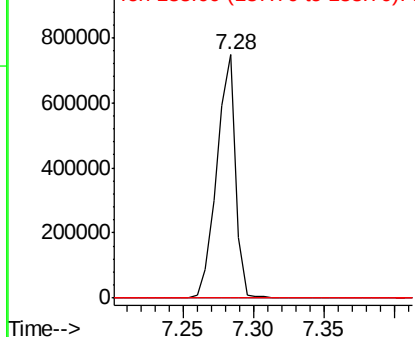


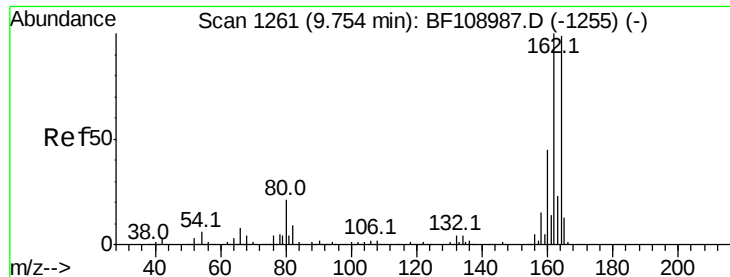
#25
Isophorone
Concen: 57.541 ng
RT: 7.28 min Scan# 841
Delta R.T. -0.26 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

Tgt Ion	82	Resp	687570
Ion Ratio	100	Lower	Upper
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

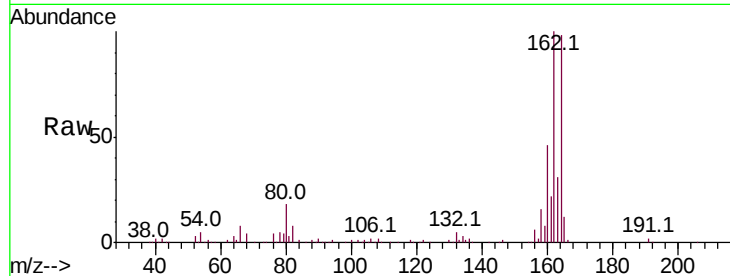




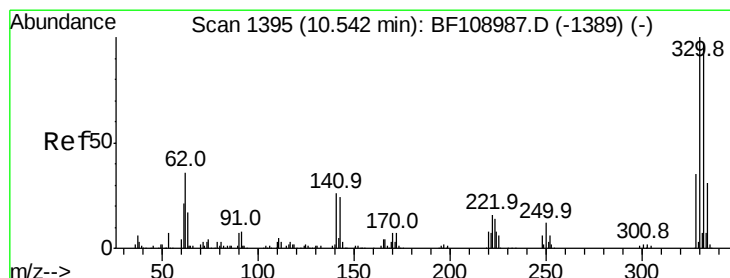
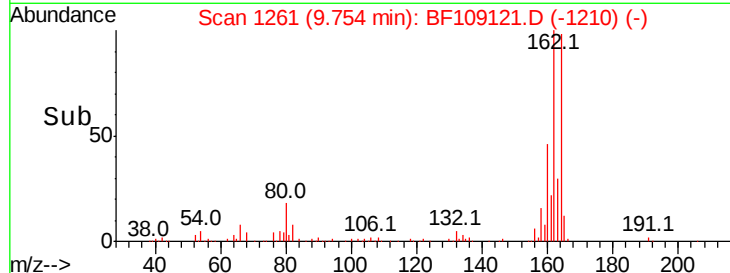
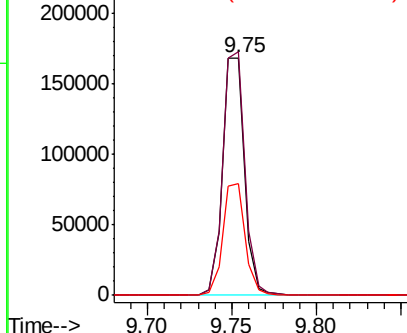
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF109121.D
 Acq: 19 Sep 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	46.9	38.3	57.5

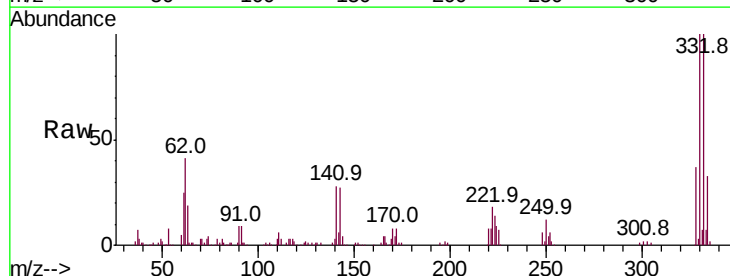


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

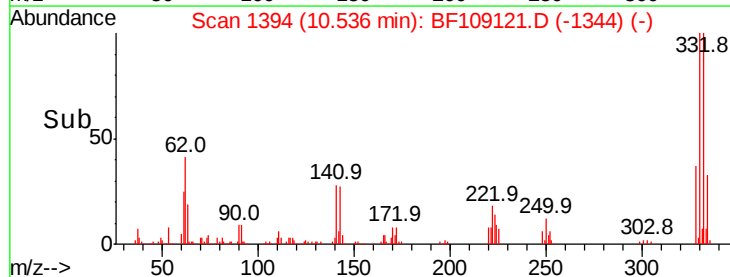
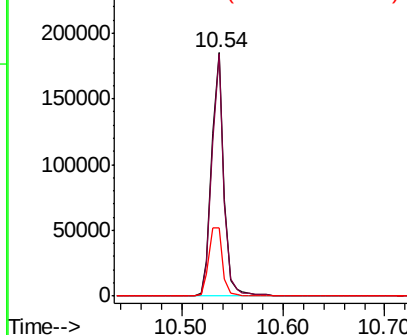


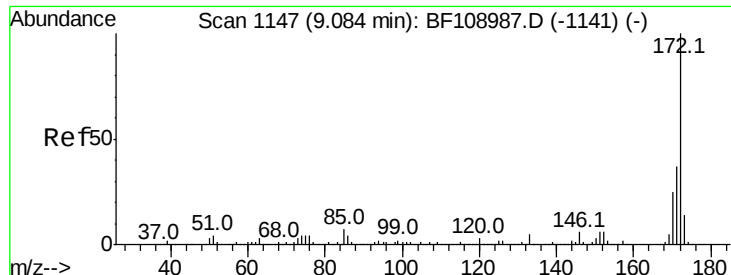
#41
 2,4,6-Tribromophenol
 Concen: 93.803 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109121.D
 Acq: 19 Sep 2018 3:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.2	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: 110.595 ng

RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109121.D

Acq: 19 Sep 2018 3:21

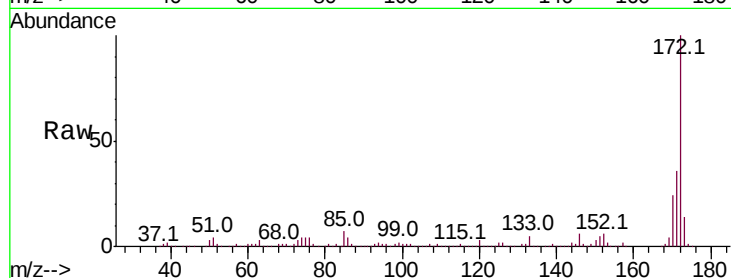
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1082351

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4

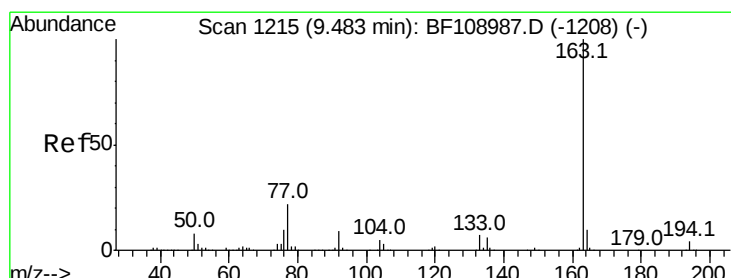
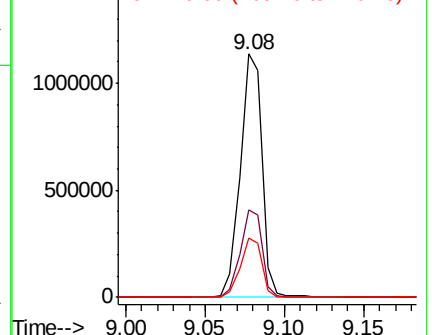
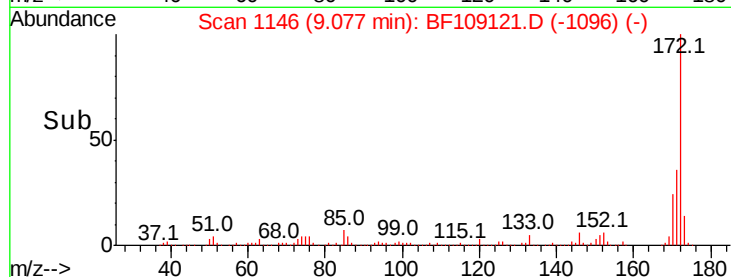


Abundance

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: 6.089 ng

RT: 9.47 min Scan# 1213

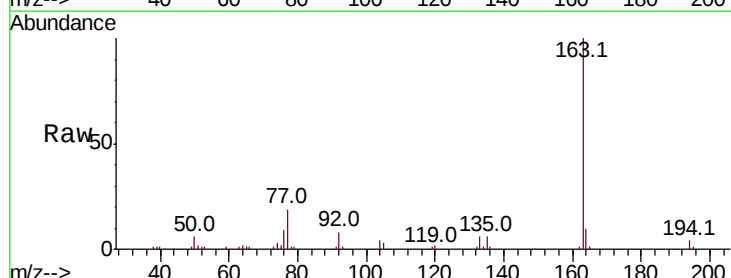
Delta R.T. -0.01 min

Lab File: BF109121.D

Acq: 19 Sep 2018 3:21

Tgt Ion:163 Resp: 66729

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.8	8.2	12.2

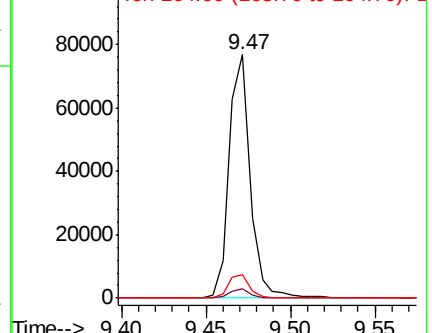
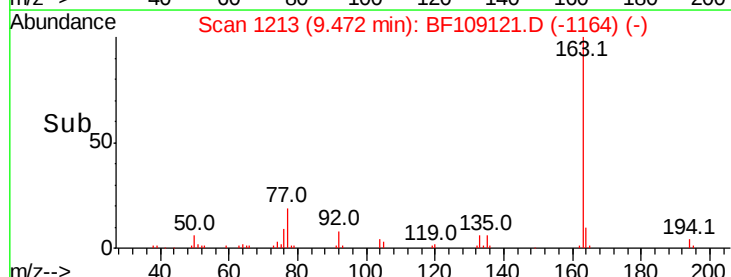


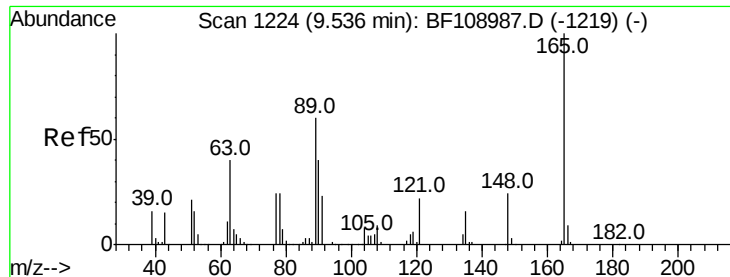
Abundance

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

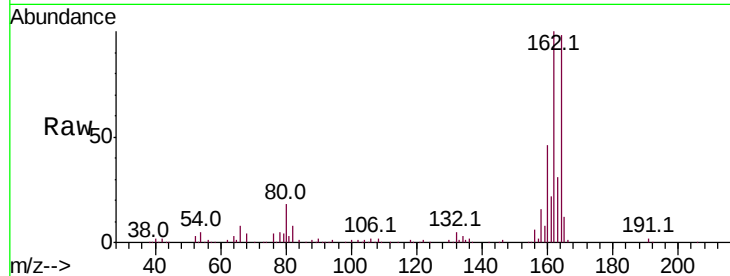




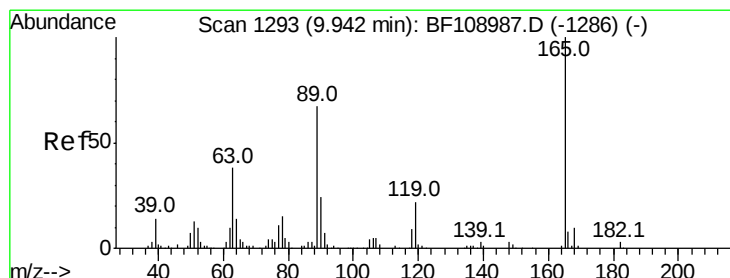
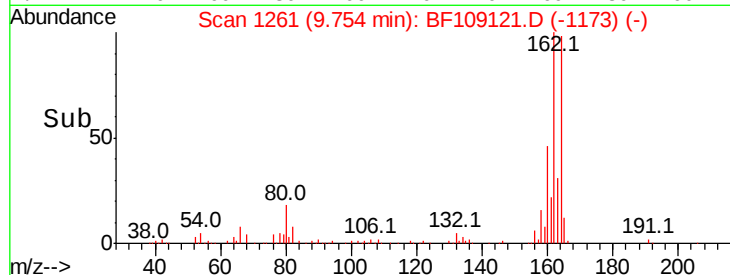
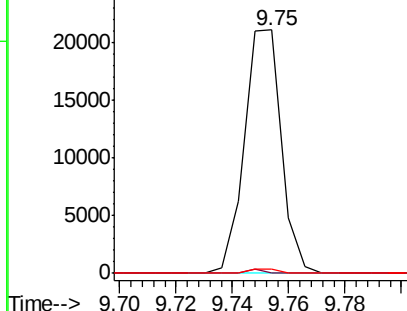
#50
 2,6-Dinitrotoluene
 Concen: 7.877 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. 0.22 min
 Lab File: BF109121.D
 Acq: 19 Sep 2018 3:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.9	44.0	66.0#



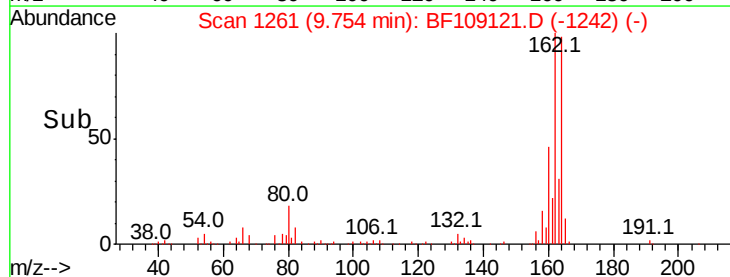
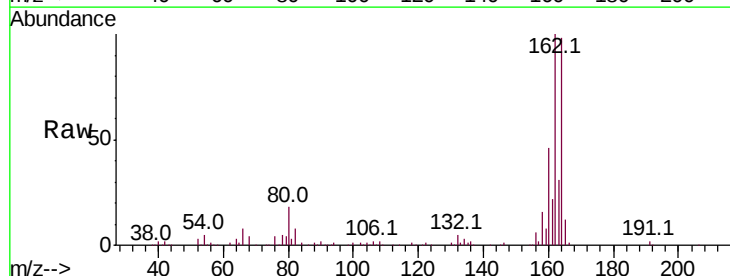
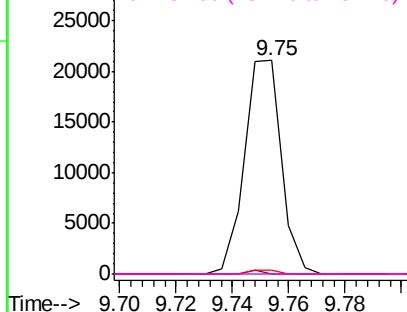
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

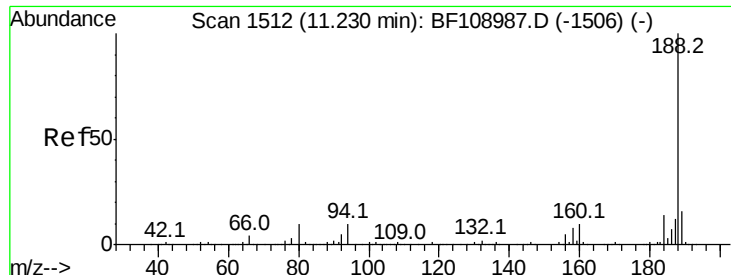


#56
 2,4-Dinitrotoluene
 Concen: 6.023 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.19 min
 Lab File: BF109121.D
 Acq: 19 Sep 2018 3:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.9	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

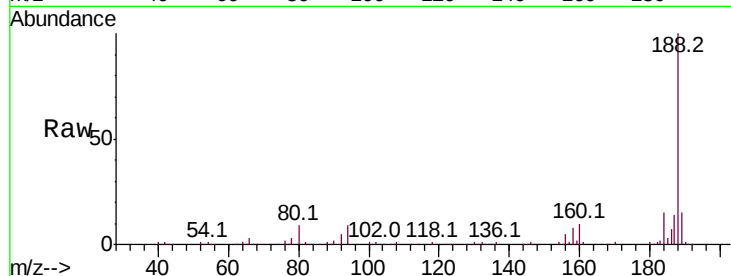




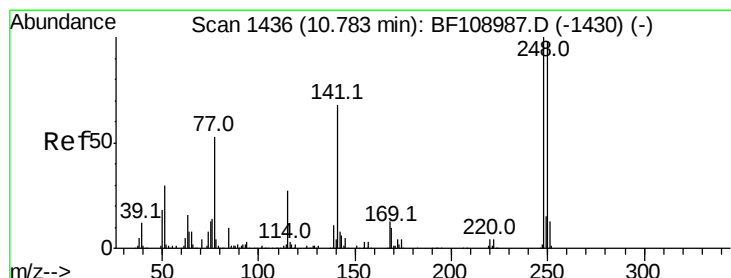
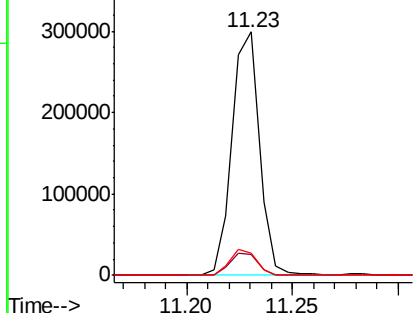
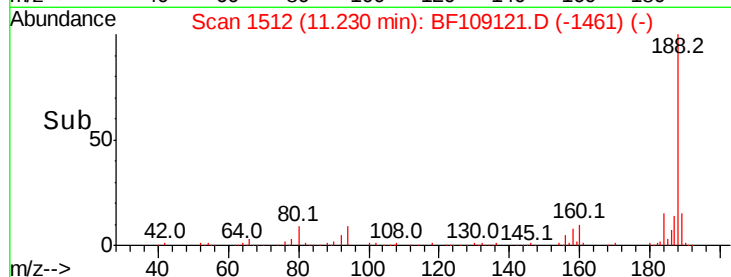
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109121.D
 Acq: 19 Sep 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.2	9.2	13.8#

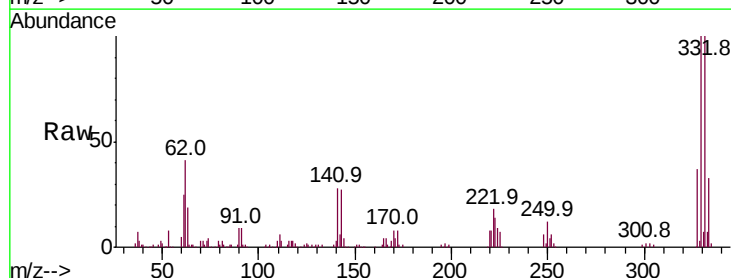


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

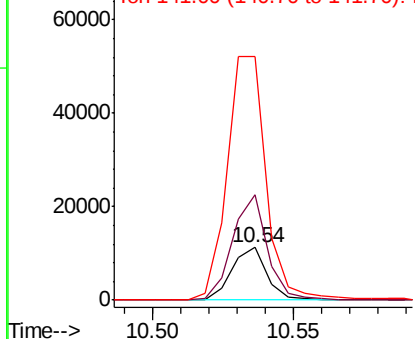
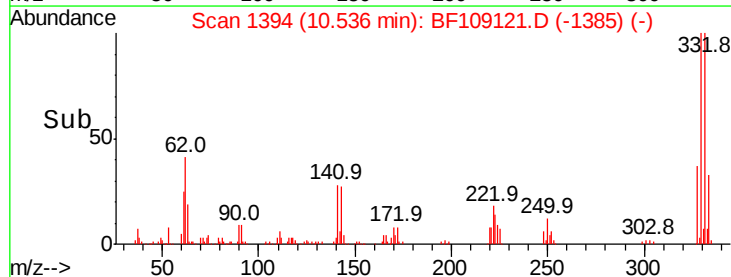


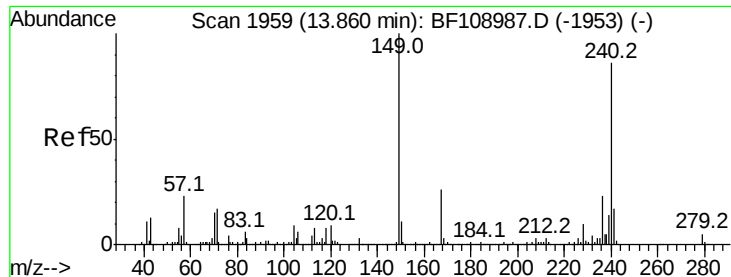
#66
 4-Bromophenyl-phenylether
 Concen: 3.167 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.25 min
 Lab File: BF109121.D
 Acq: 19 Sep 2018 3:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.7	76.9	115.3#
141	462.4	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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109121.D

Acq: 19 Sep 2018 3:21

Instrument :

BNA_F

ClientSampleId :

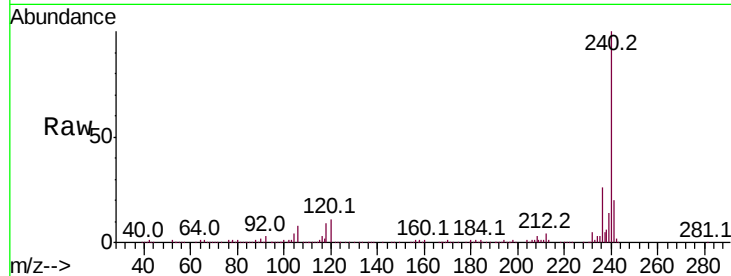
Tot Ion:240 Resp: 316249

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

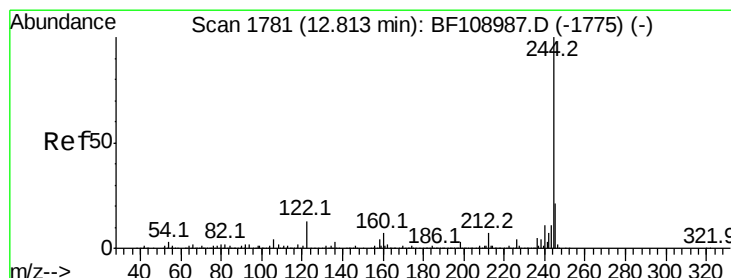
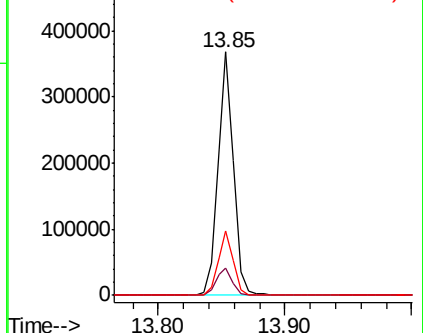
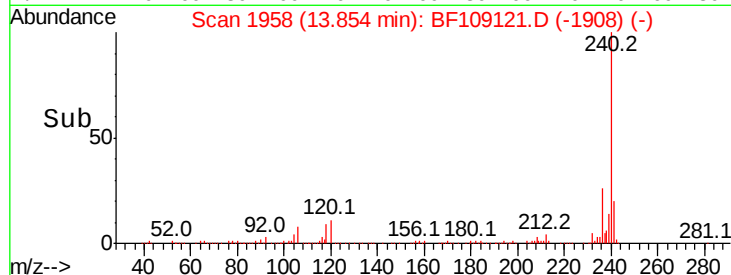
236 26.4 20.7 31.1



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: 86.200 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109121.D

Acq: 19 Sep 2018 3:21

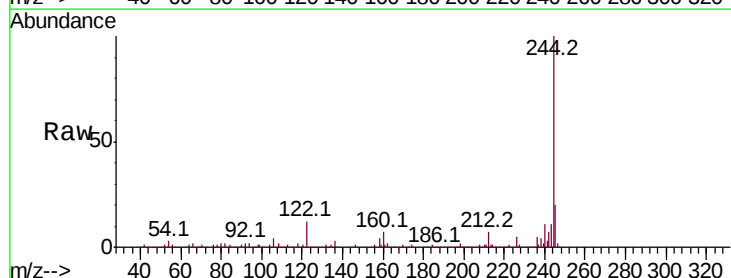
Tgt Ion:244 Resp: 1150114

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

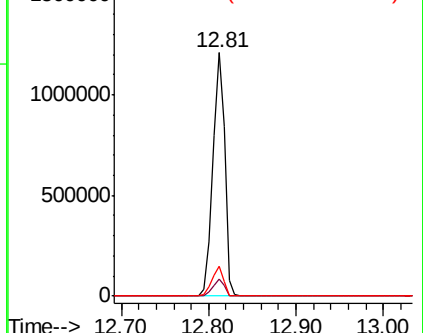
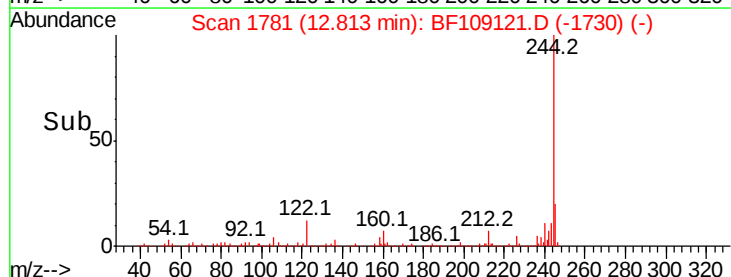
122 12.2 11.0 16.4

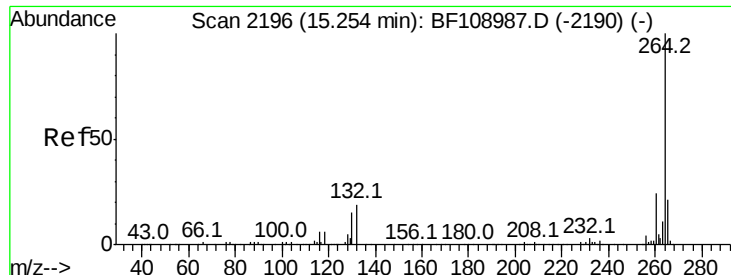


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109121.D
Acq: 19 Sep 2018 3:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

