

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098807.D
 Acq On : 26 Sep 2017 2:46
 Operator : SJ/JU
 Sample : I5395-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 05:24:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	157593	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	651809	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	295092	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	466022	20.00	ng	0.00
75) Chrysene-d12	14.07	240	291230	20.00	ng	-0.01
86) Perylene-d12	15.57	264	279597	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1502659	151.79	ng	0.00
7) Phenol-d6	6.55	99	1875922	153.61	ng	0.00
23) Nitrobenzene-d5	7.48	82	1118331	110.03	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	357873	148.21	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1809641	102.38	ng	0.00
78) Terphenyl-d14	13.03	244	1284406	100.30	ng	0.00

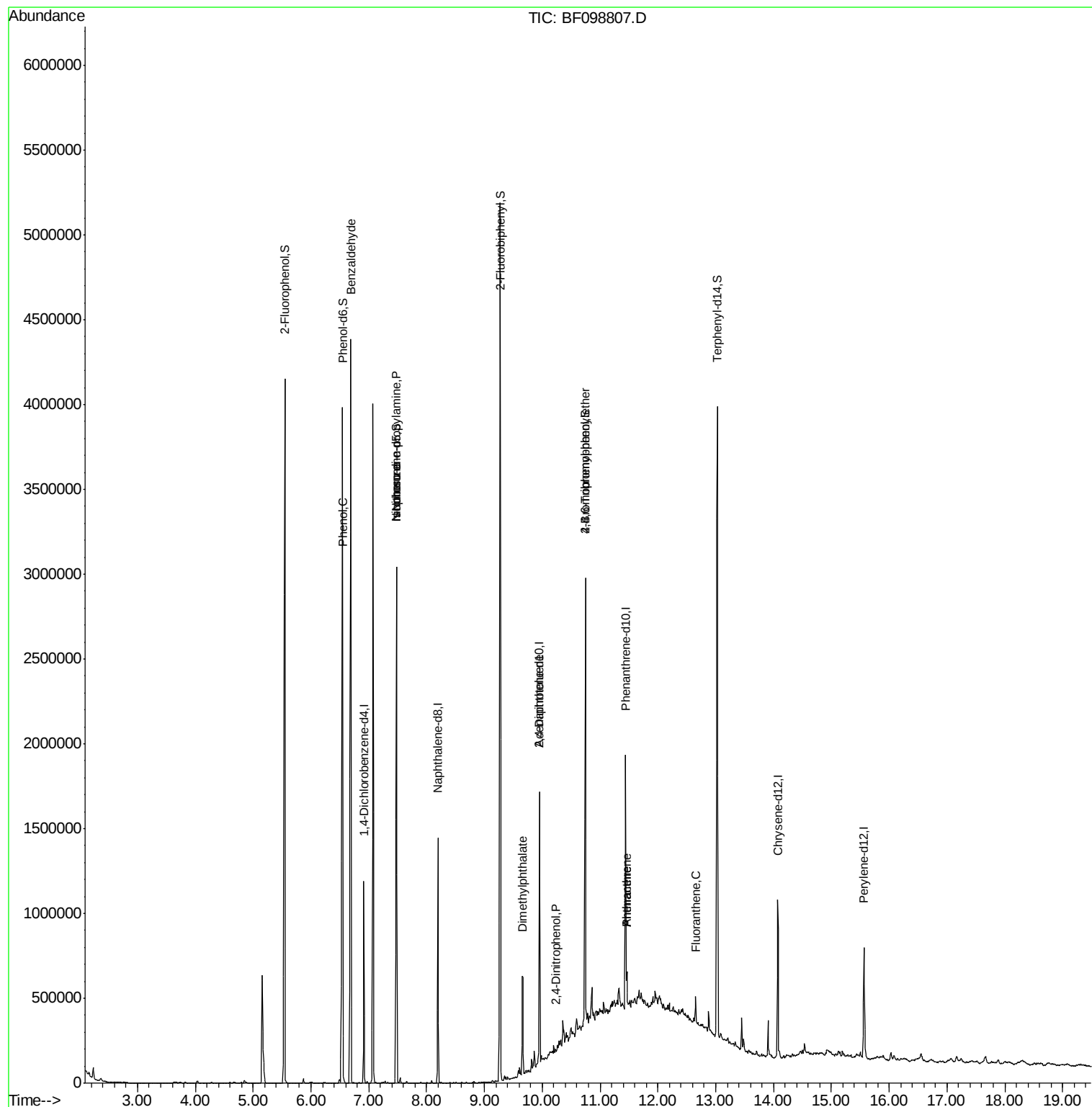
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.69	77	30792	4.347	ng	82
10) Phenol	6.56	94	46856	3.431	ng	93
19) n-Nitroso-di-n-propylamine	7.48	70	146756	18.822	ng	# 76
25) Isophorone	7.48	82	1113834	53.005	ng	# 64
49) Dimethylphthalate	9.66	163	221138	9.929	ng	99
53) 2,4-Dinitrophenol	10.23	184	150	5.883	ng	# 16
56) 2,4-Dinitrotoluene	9.95	165	38396	6.102	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	23702	5.196	ng	# 1
70) Phenanthrene	11.46	178	60691	2.433	ng	100
71) Anthracene	11.46	178	60691	2.378	ng	99
74) Fluoranthene	12.65	202	51720	2.048	ng	98

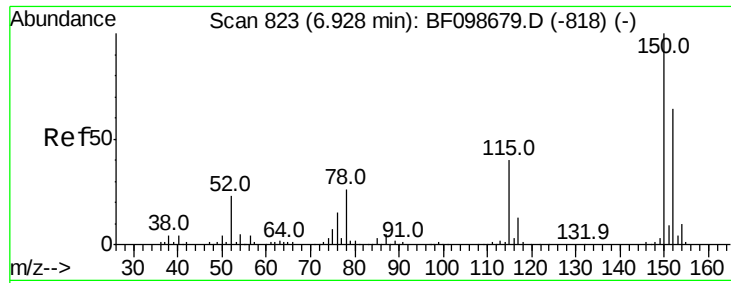
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
Data File : BF098807.D
Acq On : 26 Sep 2017 2:46
Operator : SJ/JU
Sample : I5395-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 26 05:24:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



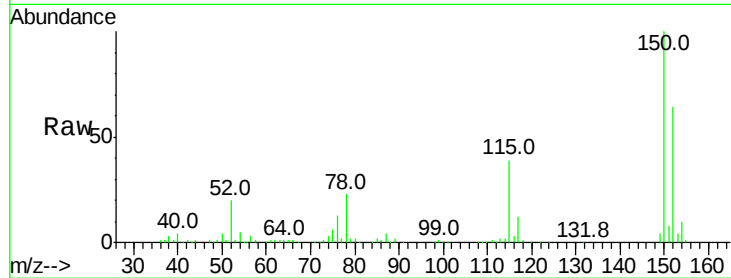


#1

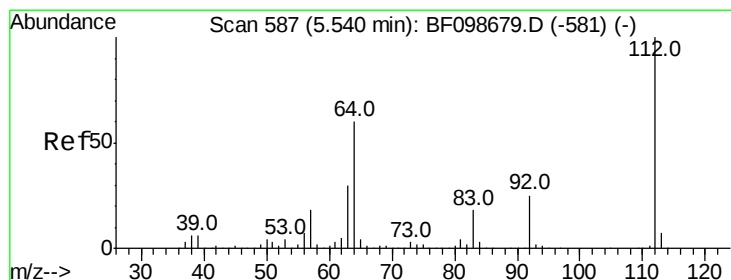
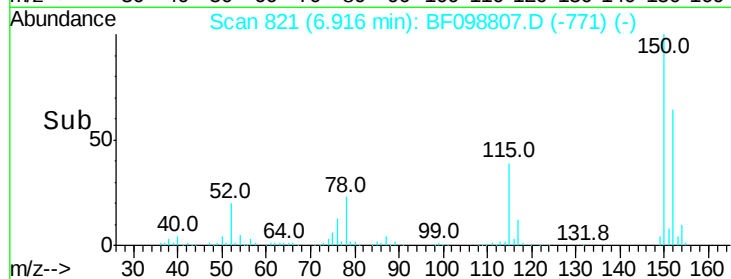
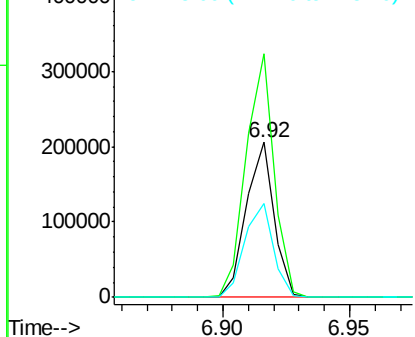
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157593
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 60.9 50.1 75.1



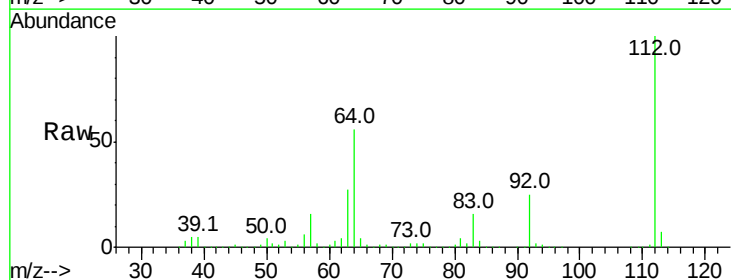
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



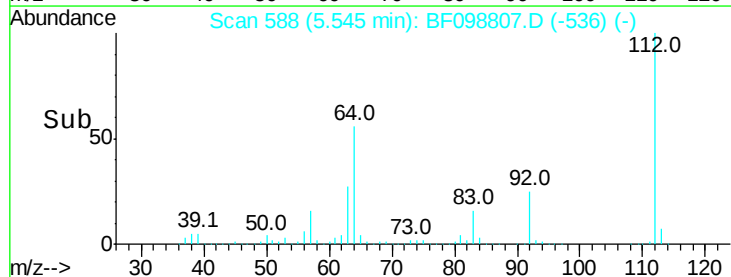
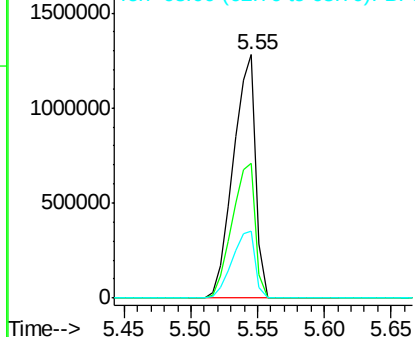
#5

2-Fluorophenol
Concen: 151.789 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

Tgt Ion:112 Resp: 1502659
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 27.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 153.608 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

Instrument :

BNA_F

ClientSampleId :

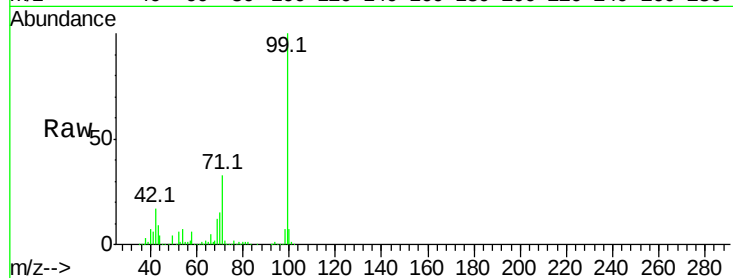
Tot Ion: 99 Resp: 1875922

Ion Ratio Lower Upper

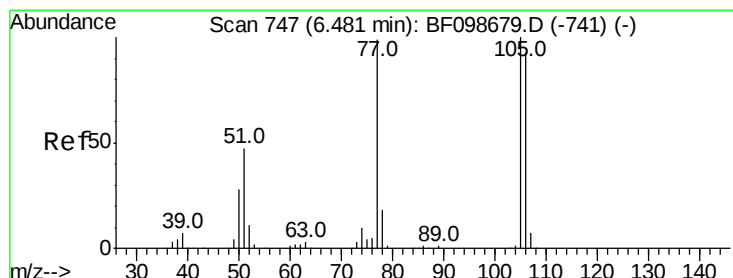
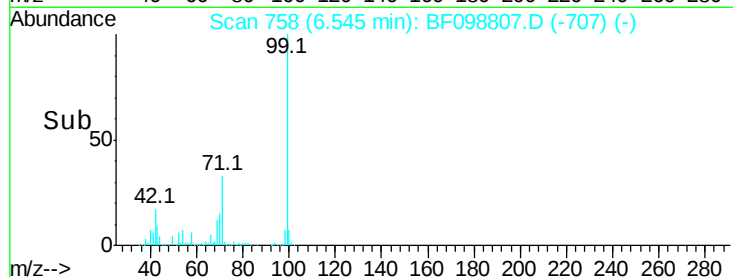
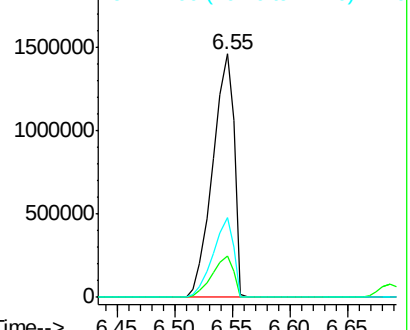
99 100

42 17.2 14.5 21.7

71 32.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.347 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

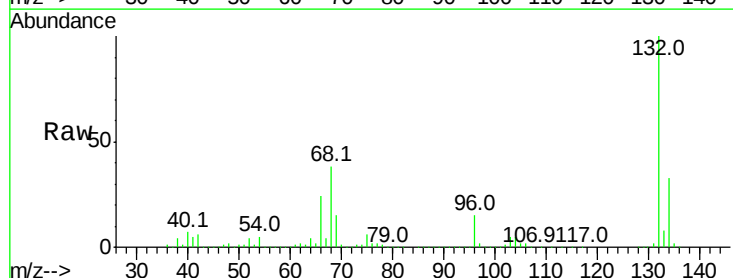
Tgt Ion: 77 Resp: 30792

Ion Ratio Lower Upper

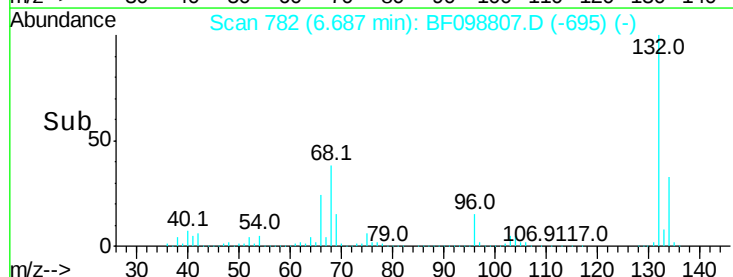
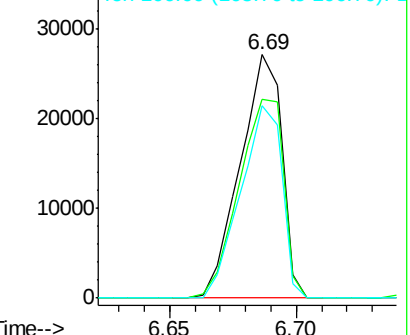
77 100

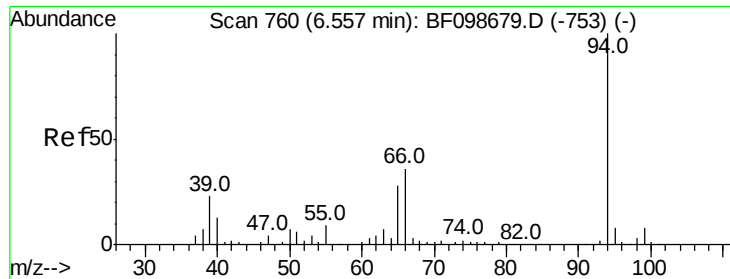
105 81.5 81.1 121.1

106 79.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.431 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

Instrument :

BNA_F

ClientSampled :

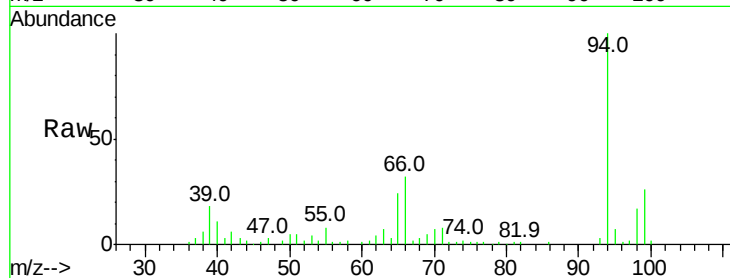
Tot Ion: 94 Resp: 46856

Ion Ratio Lower Upper

94 100

65 23.7 7.9 47.9

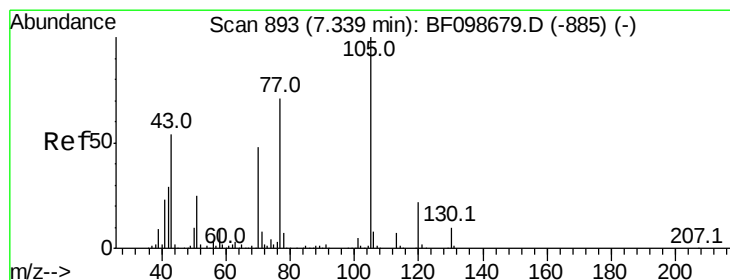
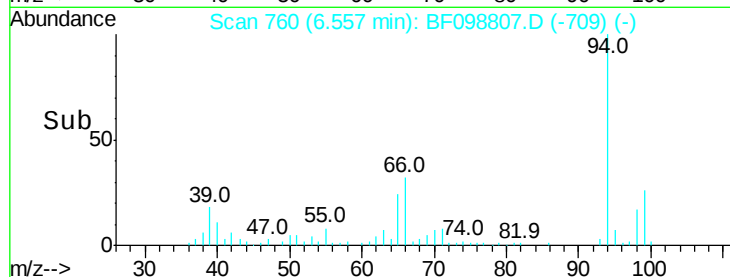
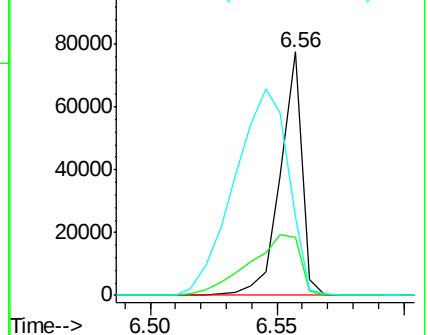
66 32.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.822 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.15 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

Tgt Ion: 70 Resp: 146756

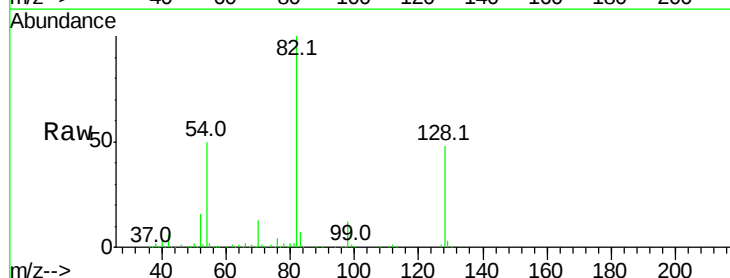
Ion Ratio Lower Upper

70 100

42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

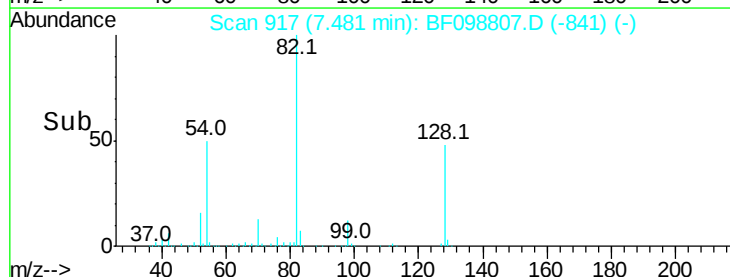
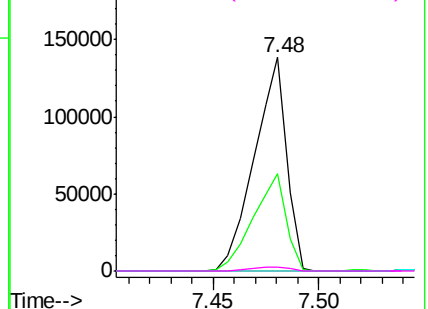


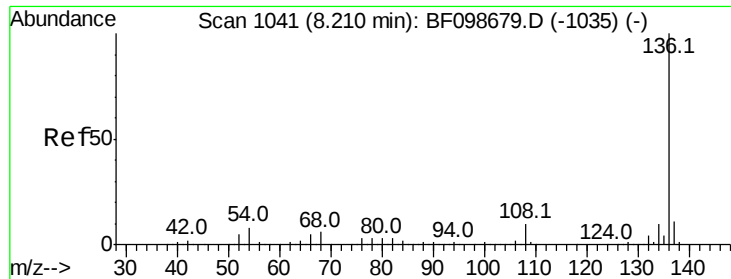
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

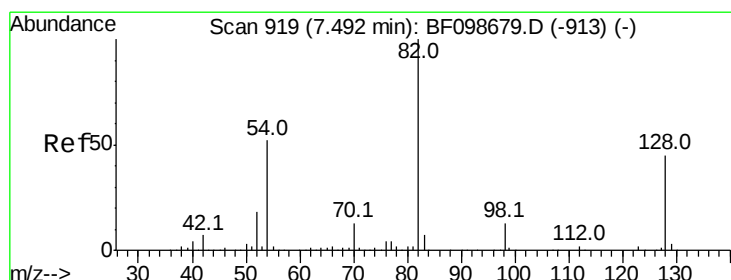
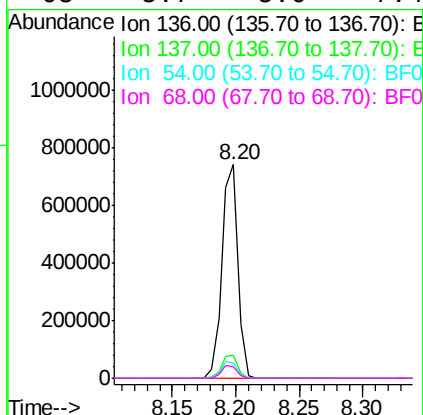
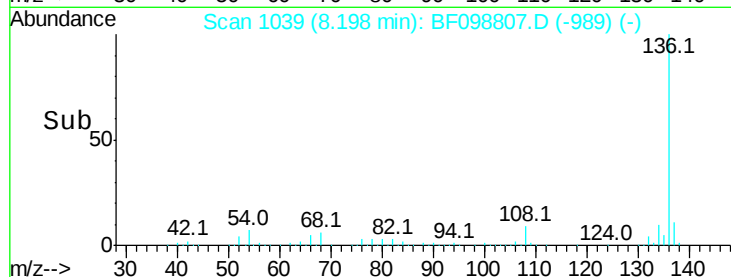
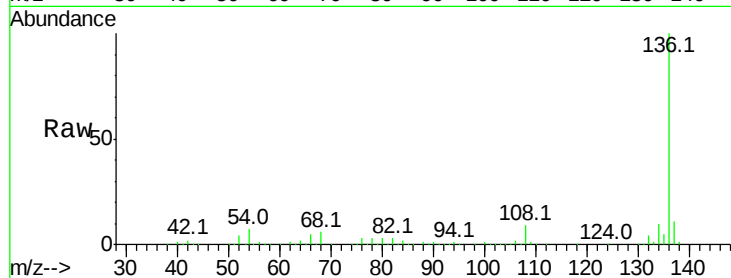




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

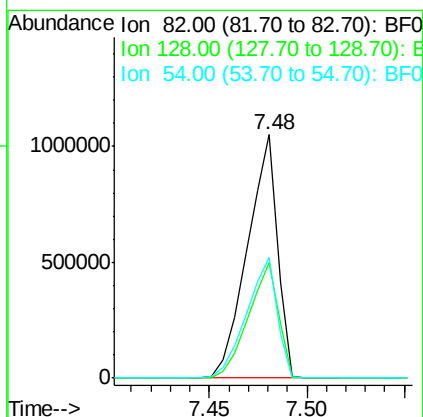
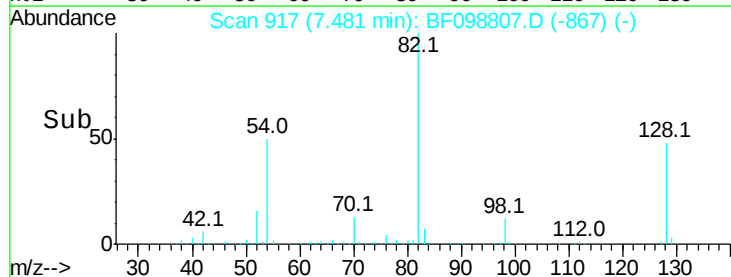
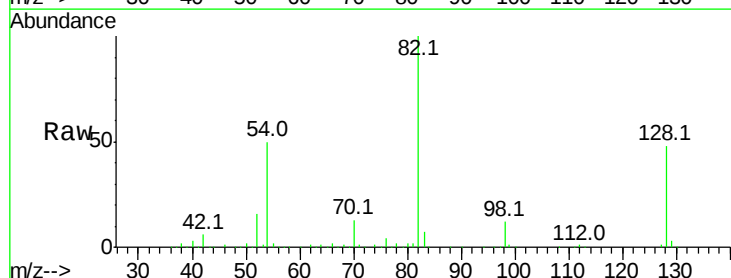
Instrument :
BNA_F
ClientSampleId :

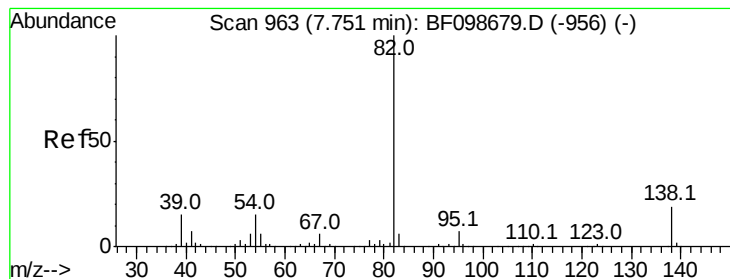
Tot Ion:	136	Resp:	651809
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.1	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 110.030 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

Tgt Ion:	82	Resp:	1118331
Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	49.6	41.4	62.2





#25

Isophorone

Concen: 53.005 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

Instrument :

BNA_F

ClientSampleId :

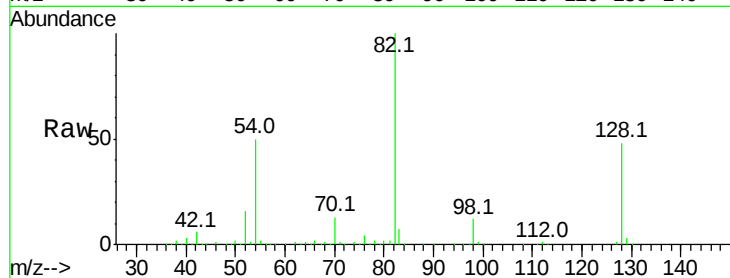
Tot Ion: 82 Resp: 1113834

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

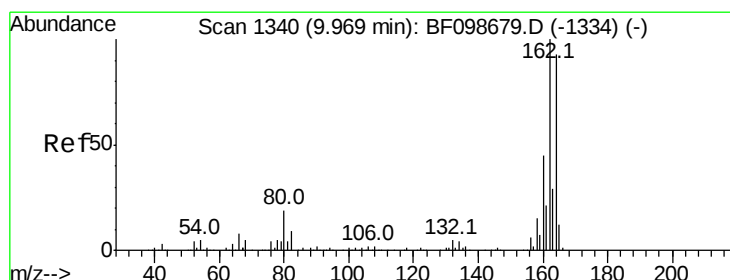
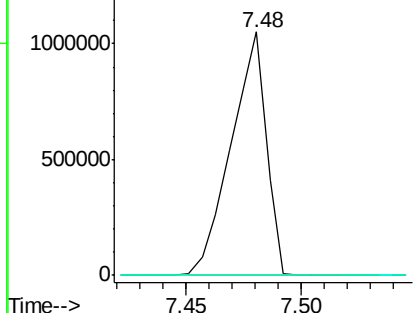
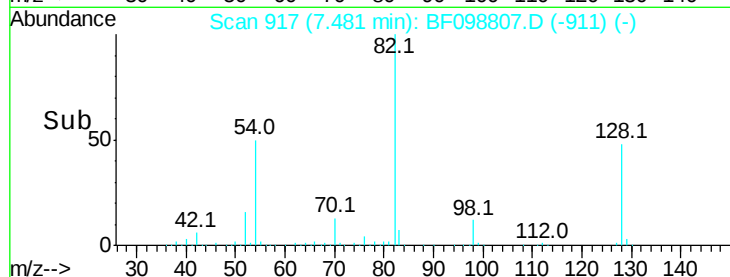
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

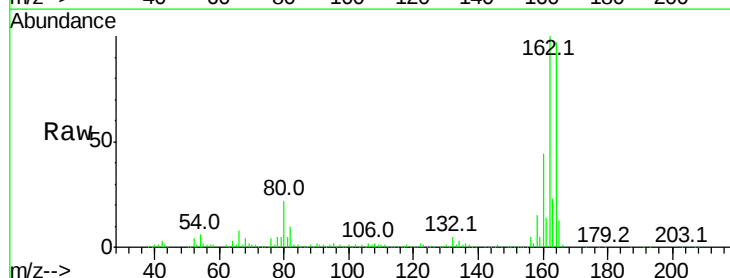
Tgt Ion:164 Resp: 295092

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

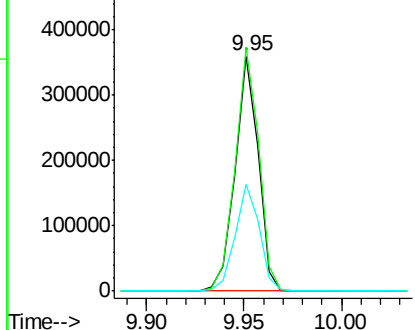
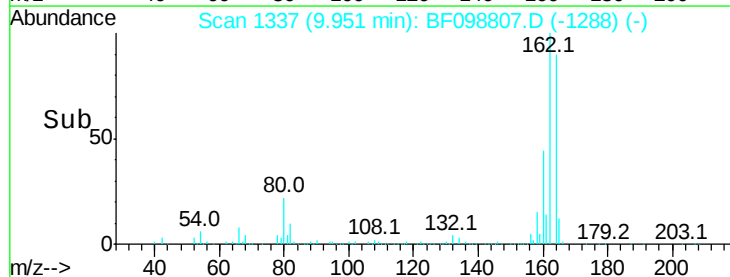
160 45.4 38.3 57.5

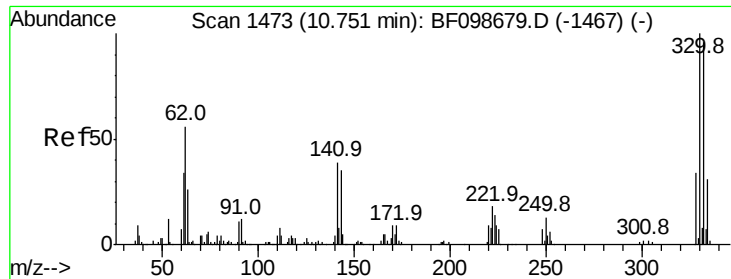


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

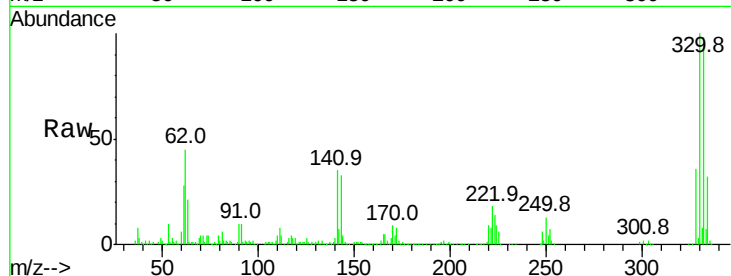




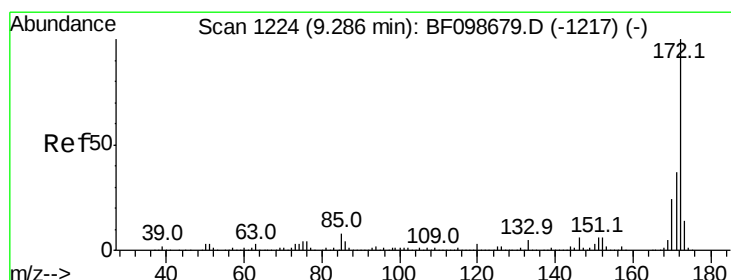
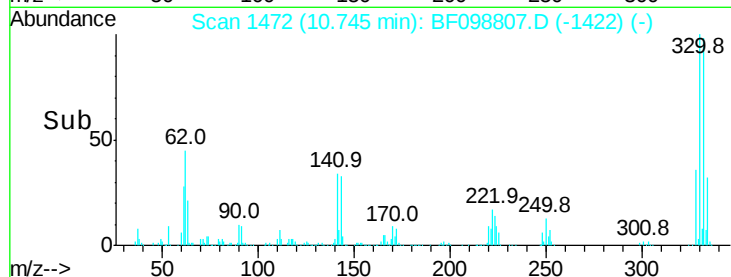
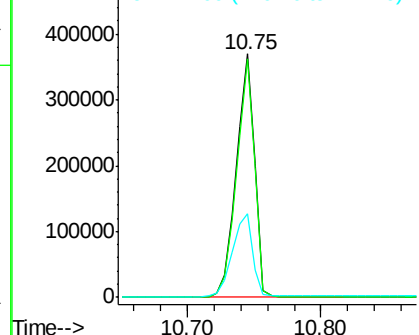
#41
 2,4,6-Tribromophenol
 Concen: 148.209 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098807.D
 Acq: 26 Sep 2017 2:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	37.3	29.9	44.9

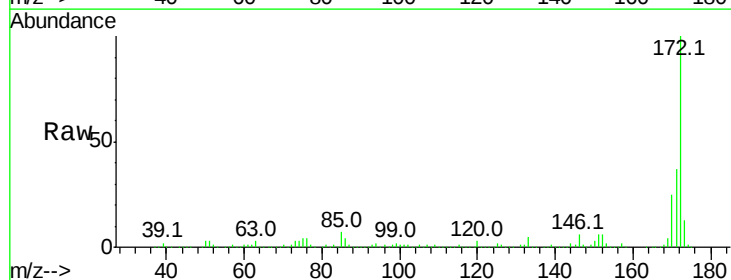


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

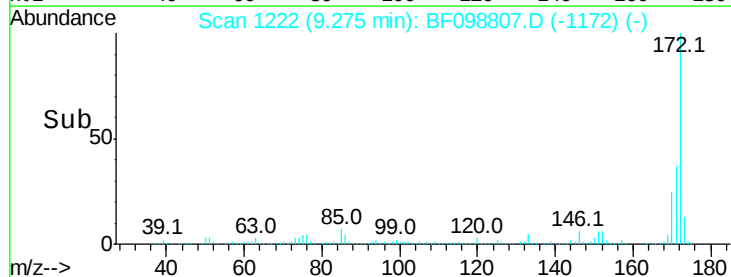
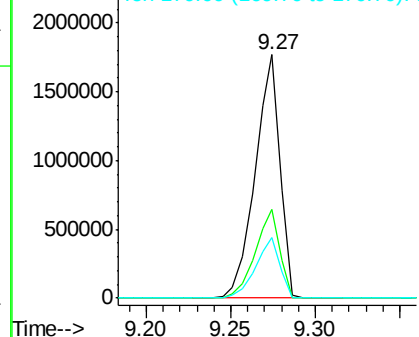


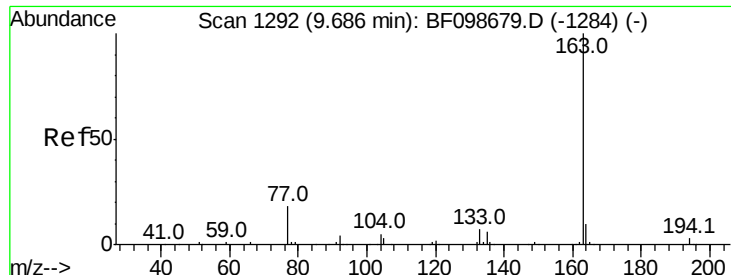
#44
 2-Fluorobiphenyl
 Concen: 102.376 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098807.D
 Acq: 26 Sep 2017 2:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.8	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

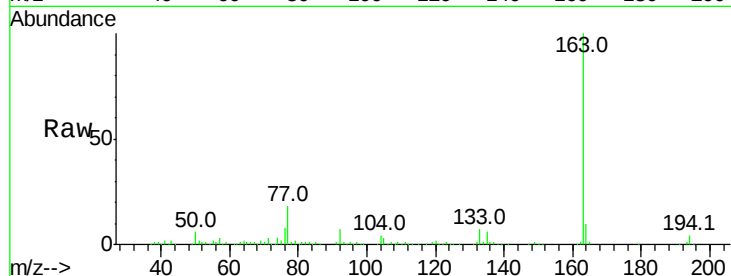




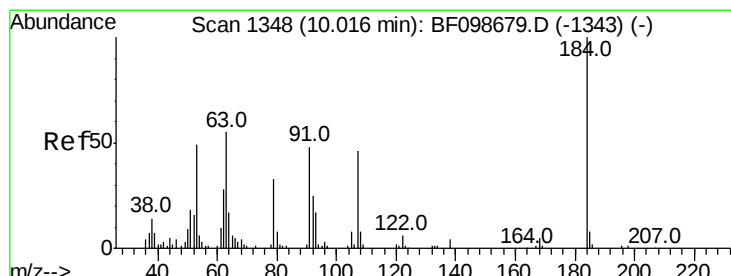
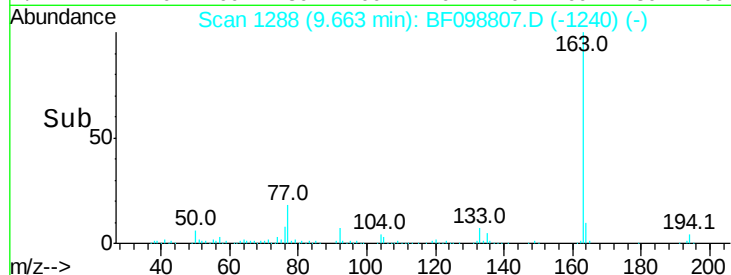
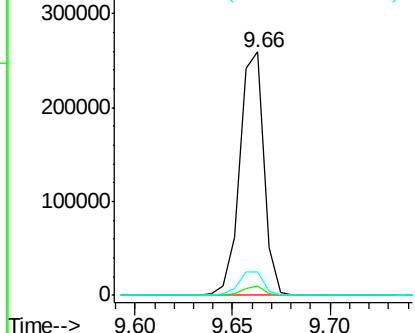
#49
Dimethylphthalate
Concen: 9.929 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 221138
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.7 8.2 12.2

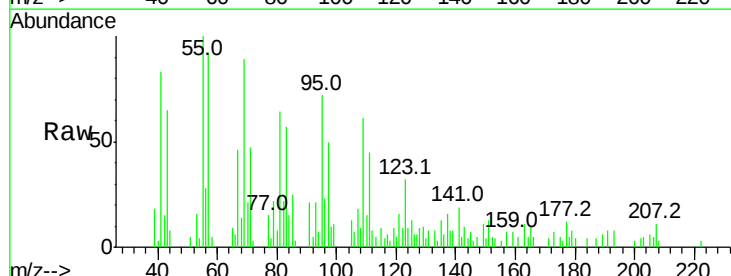


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

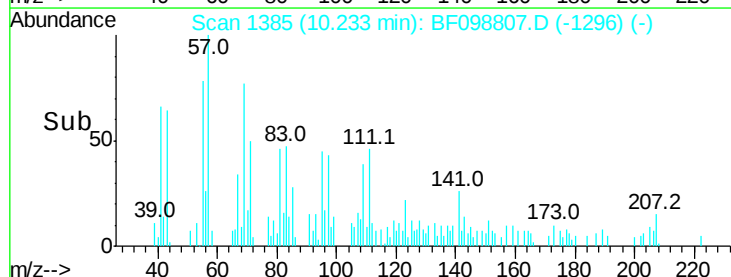
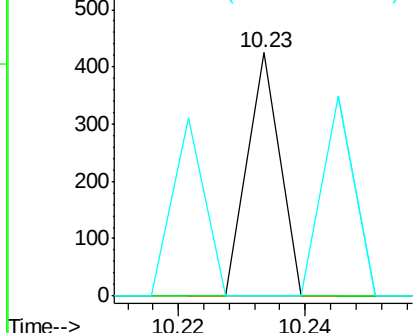


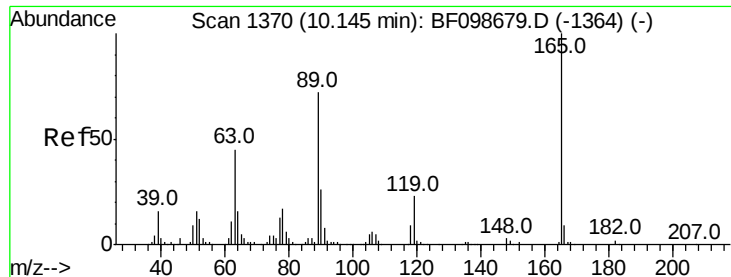
#53
2,4-Dinitrophenol
Concen: 5.883 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.22 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

Tgt Ion:184 Resp: 150
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 53.5 80.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

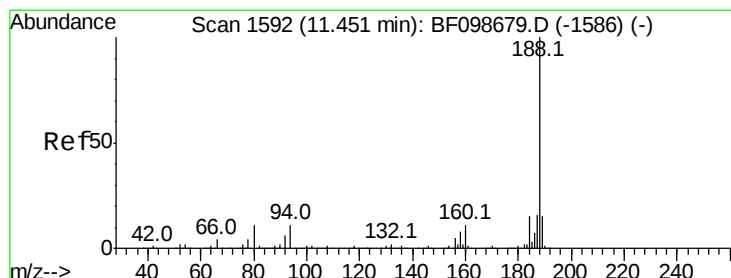
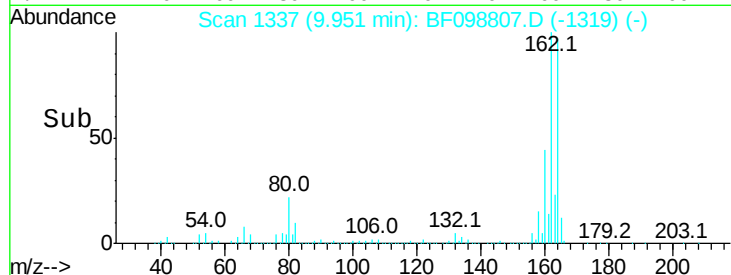
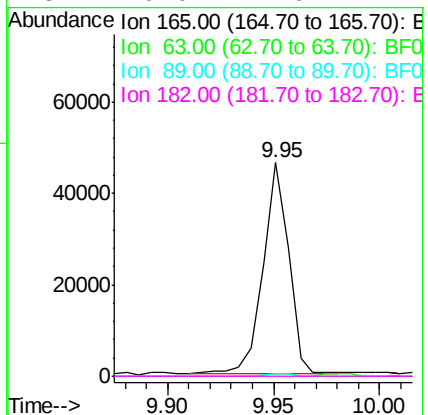
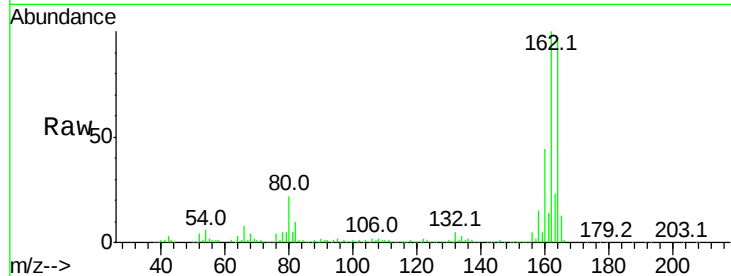




#56
 2,4-Dinitrotoluene
 Concen: 6.102 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098807.D
 Acq: 26 Sep 2017 2:46

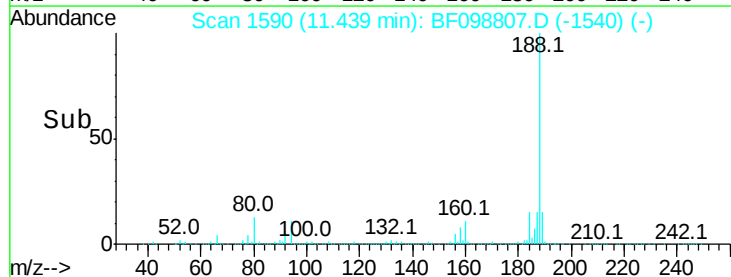
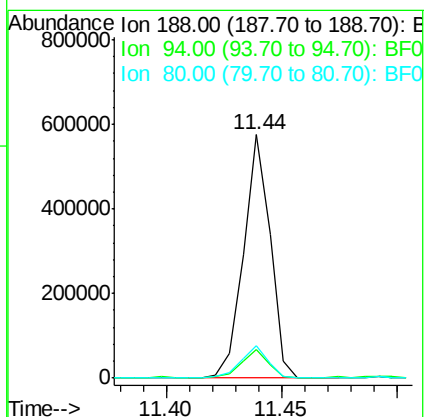
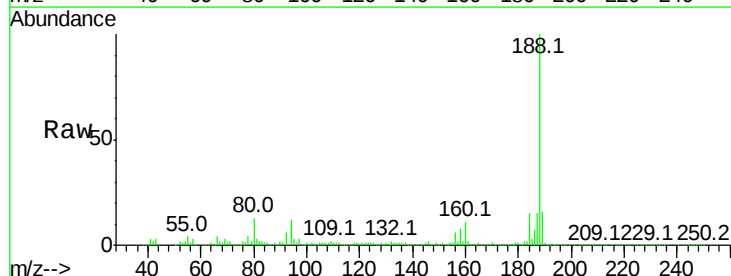
Instrument :
 BNA_F
 ClientSampleId :

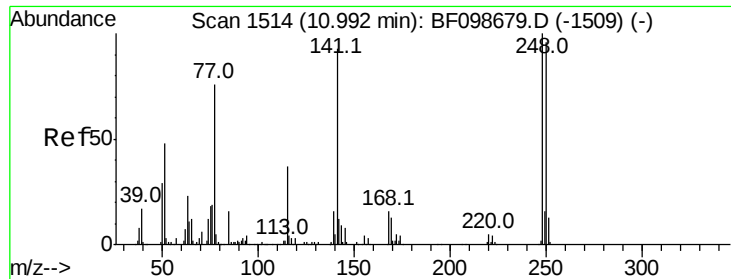
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098807.D
 Acq: 26 Sep 2017 2:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	13.1	9.2	13.8

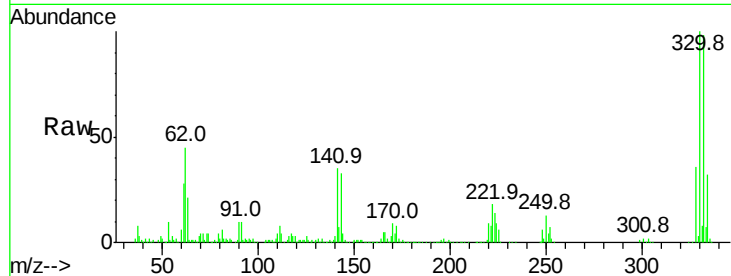




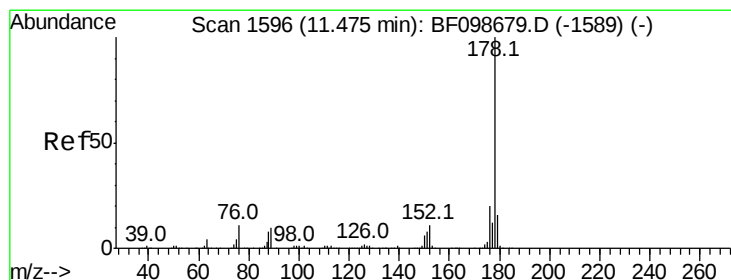
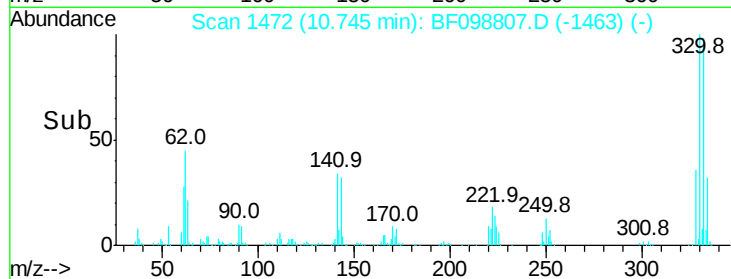
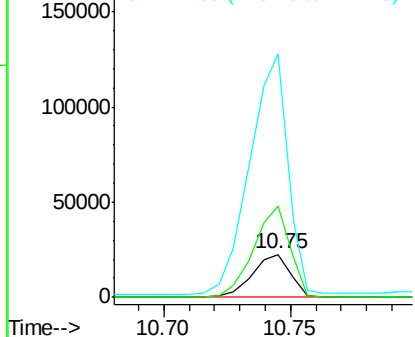
#66
 4-Bromophenyl-phenylether
 Concen: 5.196 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.25 min
 Lab File: BF098807.D
 Acq: 26 Sep 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 23702
 Ion Ratio Lower Upper
 248 100
 250 212.8 76.9 115.3#
 141 565.0 74.4 111.6#

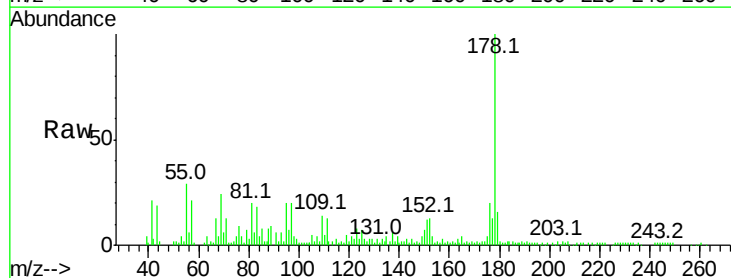


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

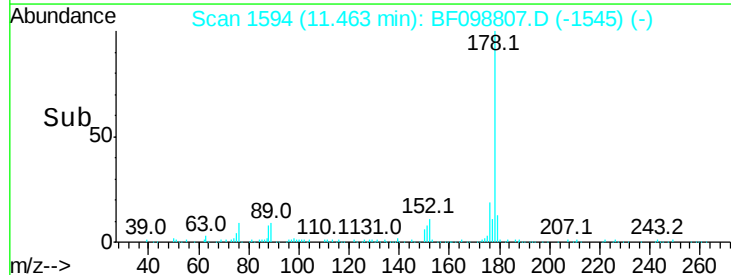
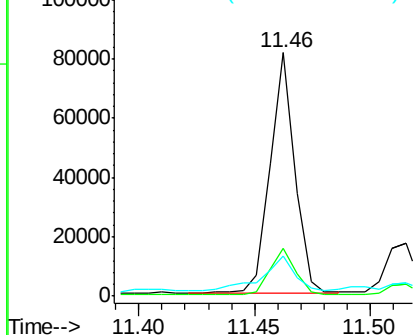


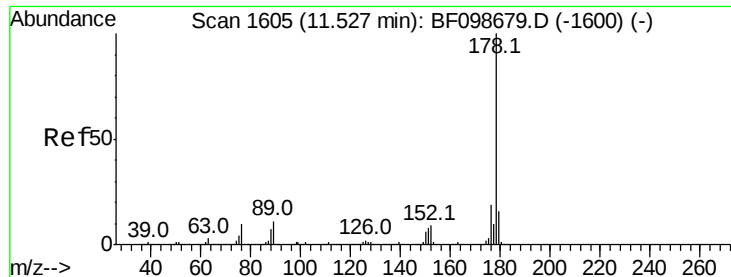
#70
 Phenanthrene
 Concen: 2.433 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF098807.D
 Acq: 26 Sep 2017 2:46

Tgt Ion:178 Resp: 60691
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 16.4 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.378 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.06 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

Instrument :

BNA_F

ClientSampled :

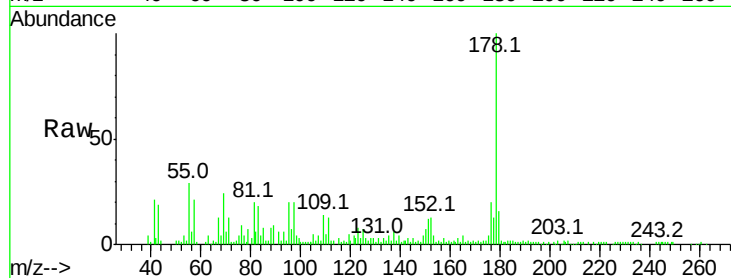
Tot Ion:178 Resp: 60691

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

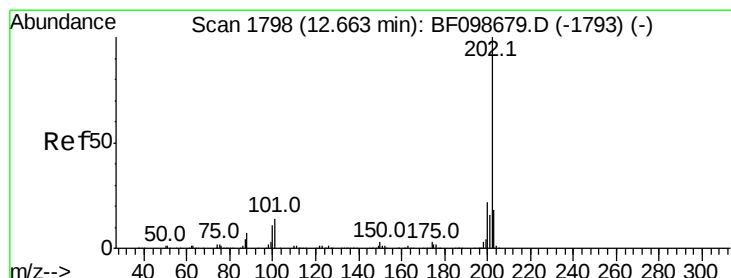
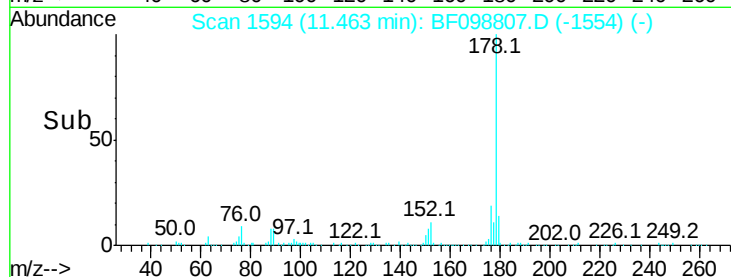
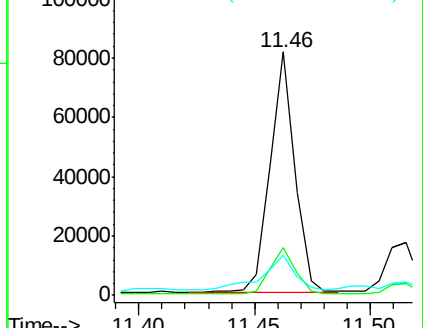
179 16.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.048 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098807.D

Acq: 26 Sep 2017 2:46

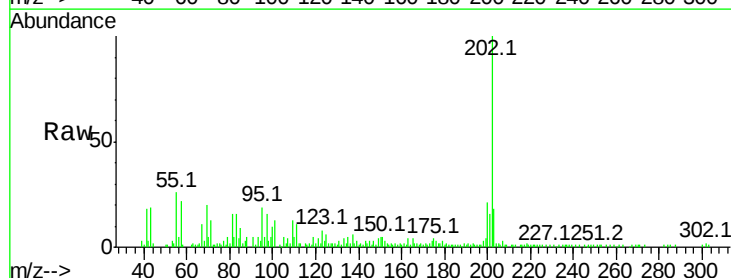
Tgt Ion:202 Resp: 51720

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

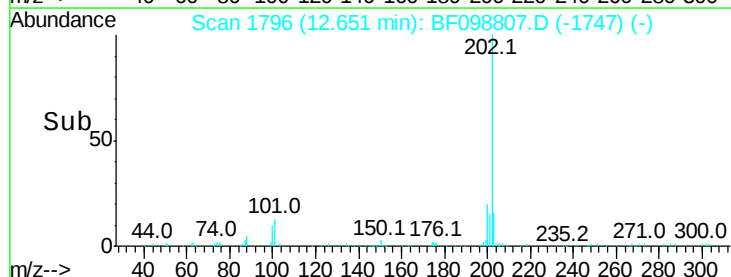
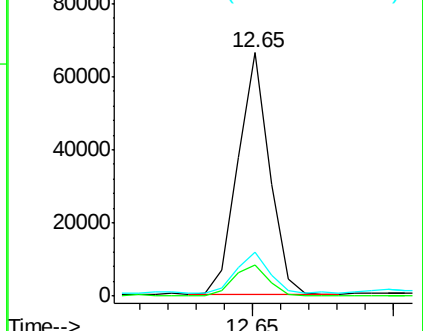
203 18.0 0.0 38.1

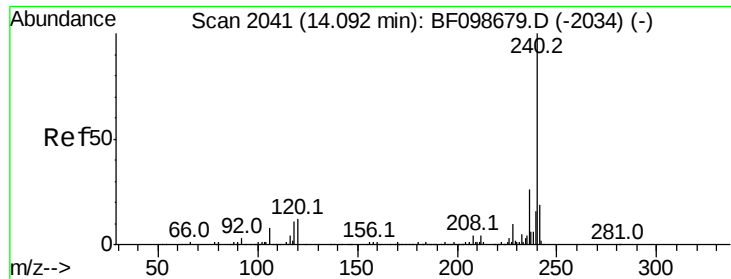


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098807.D

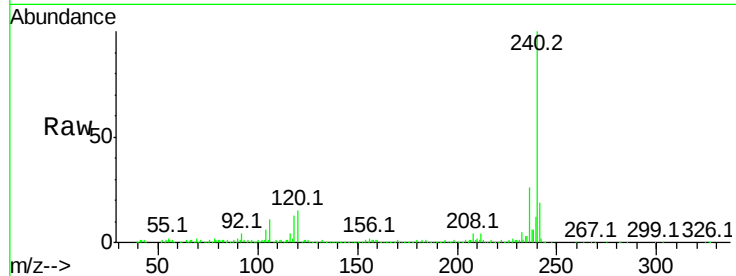
Acq: 26 Sep 2017 2:46

Instrument :

BNA_F

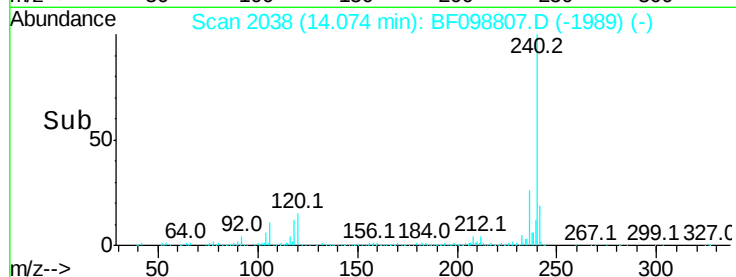
ClientSampleId :

Tot Ion:	240	Resp:	291230
Ion	Ratio	Lower	Upper
240	100		
120	15.5	9.5	14.3#
236	25.7	20.7	31.1

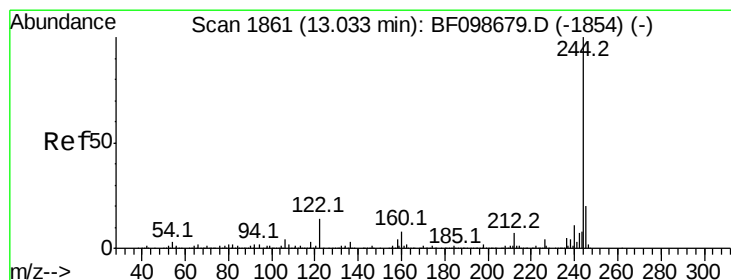


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.07



Time--> 14.00 14.10



#78

Terphenyl-d14

Concen: 100.299 ng

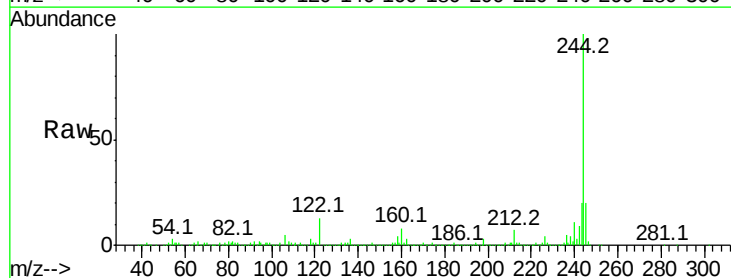
RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098807.D

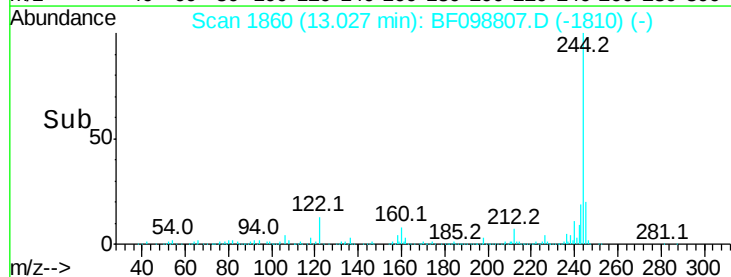
Acq: 26 Sep 2017 2:46

Tgt Ion:	244	Resp:	1284406
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.2	11.0	16.4

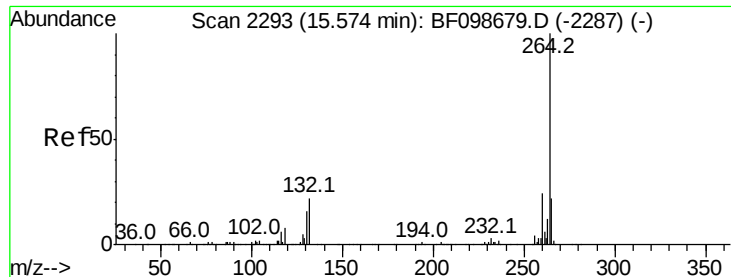


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

13.03



Time--> 13.00 13.10



#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098807.D
Acq: 26 Sep 2017 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3

