

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098433.D
 Acq On : 12 Sep 2017 5:38
 Operator : SJ/JU
 Sample : I5138-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:47:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

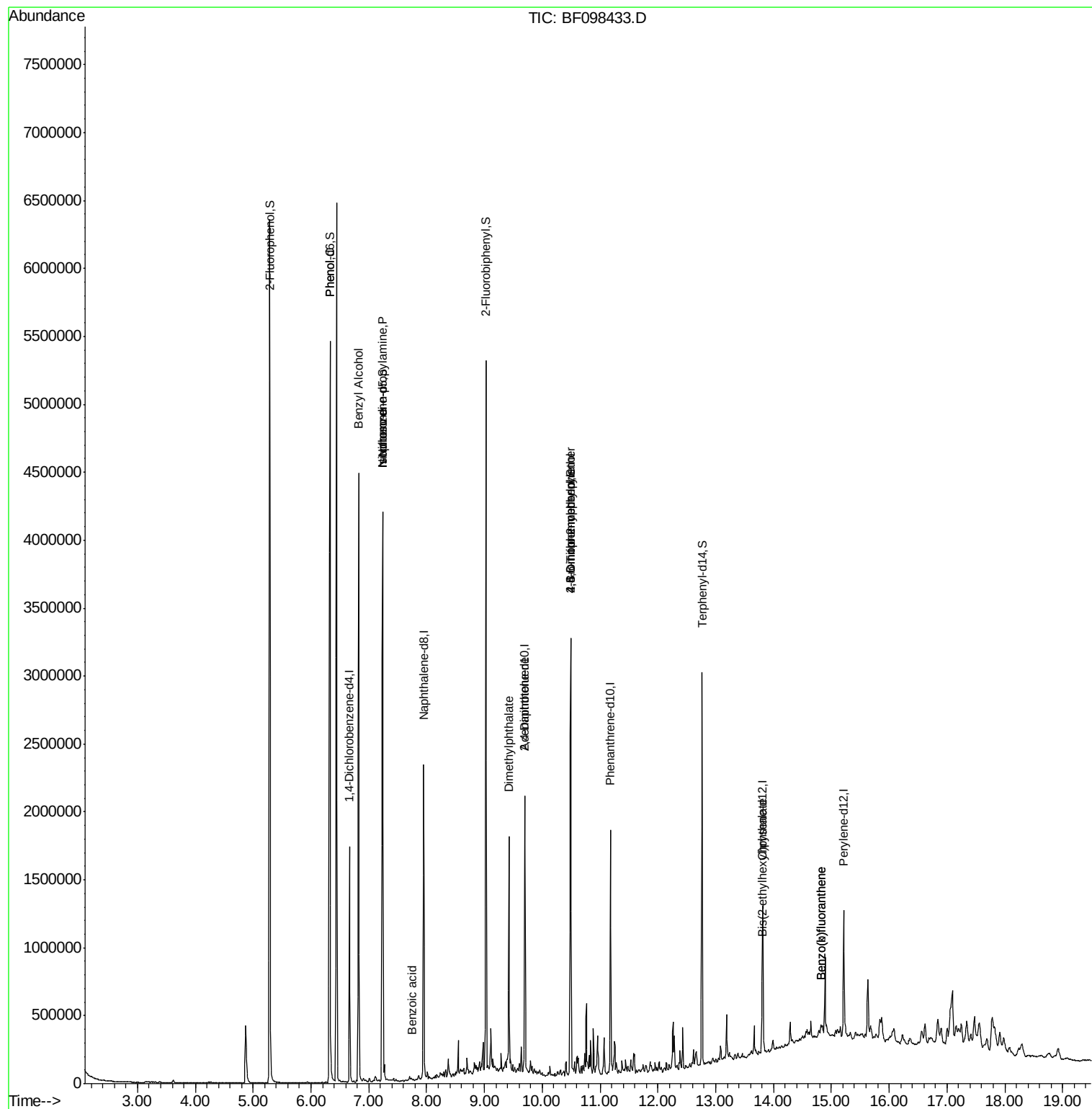
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	224700	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	891491	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	364704	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	555538	20.00	ng	0.00
75) Chrysene-d12	13.82	240	369546	20.00	ng	0.00
86) Perylene-d12	15.22	264	367881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1872387	123.20	ng	0.01
7) Phenol-d6	6.33	99	2289972	118.68	ng	0.00
23) Nitrobenzene-d5	7.24	82	1408315	88.07	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	323830	133.04	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1466534	68.16	ng	0.00
78) Terphenyl-d14	12.76	244	784281	45.81	ng	0.00
Target Compounds						
10) Phenol	6.33	94	106520	4.75	ng	Qvalue 95
15) Benzyl Alcohol	6.82	79	43170	3.36	ng	# 65
19) n-Nitroso-di-n-propylamine	7.24	70	189737	15.63	ng	# 81
25) Isophorone	7.24	82	1382984	42.75	ng	# 67
32) Benzoic acid	7.76	122	1478	8.10	ng	# 50
49) Dimethylphthalate	9.43	163	630133	22.32	ng	98
56) 2,4-Dinitrotoluene	9.70	165	47898	6.79	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.49	198	1053	5.24	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	23972	4.55	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.80	149	36180	2.28	ng	# 95
87) Benzo(b)fluoranthene	14.82	252	48723	2.11	ng	# 81
88) Benzo(k)fluoranthene	14.82	252	48723	2.26	ng	# 85

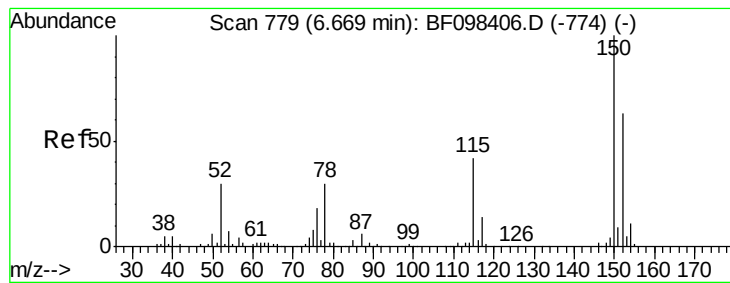
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampleId :

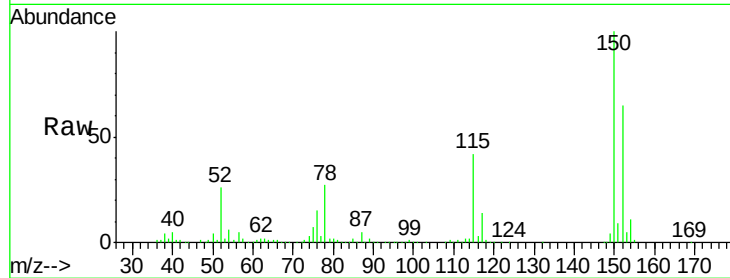
Tot Ion:152 Resp: 224700

Ion Ratio Lower Upper

152 100

150 155.0 126.2 189.2

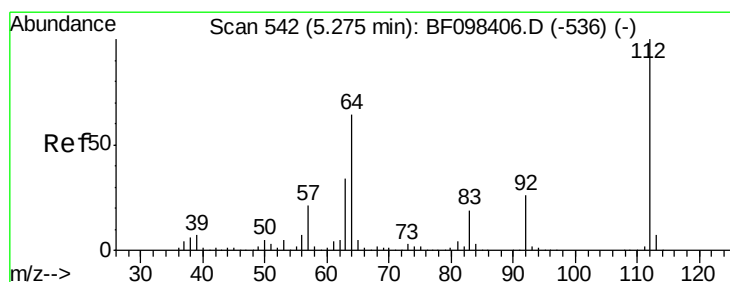
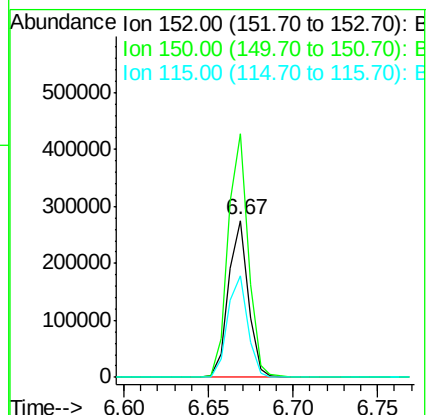
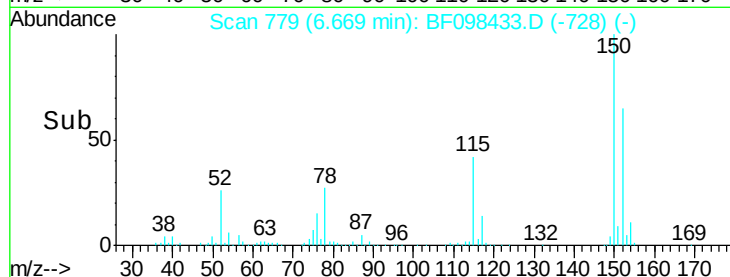
115 64.8 52.2 78.2



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: 123.20 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

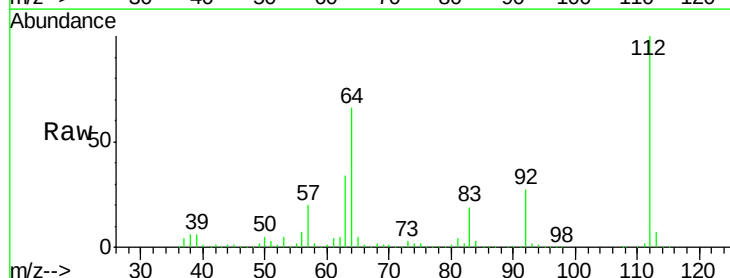
Tgt Ion:112 Resp: 1872387

Ion Ratio Lower Upper

112 100

64 65.7 46.0 69.0

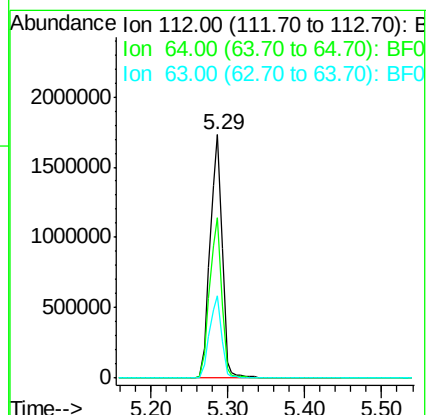
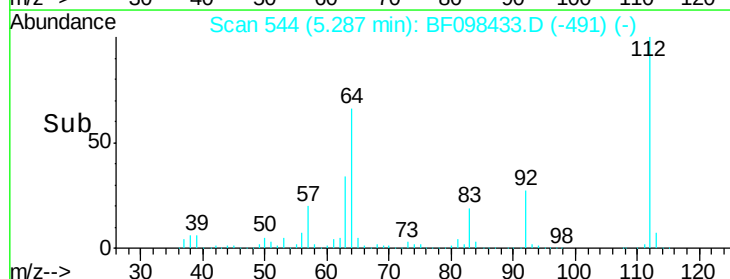
63 33.8 23.4 35.0

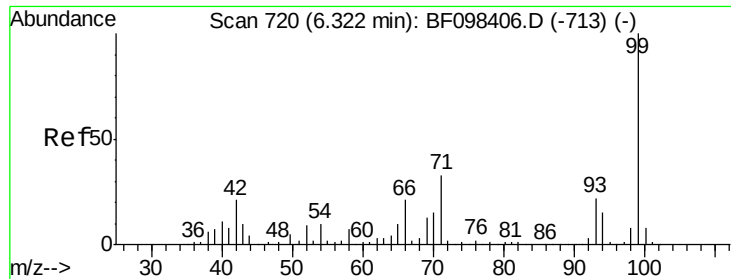


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.68 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampled :

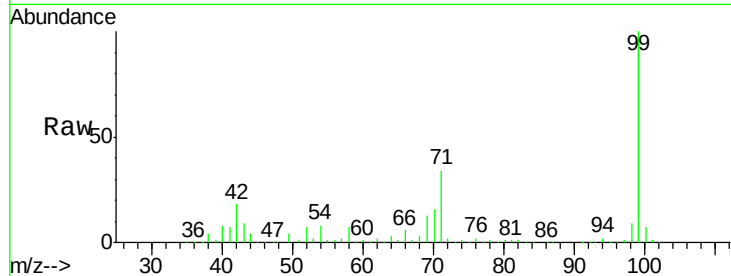
Tot Ion: 99 Resp: 2289972

Ion Ratio Lower Upper

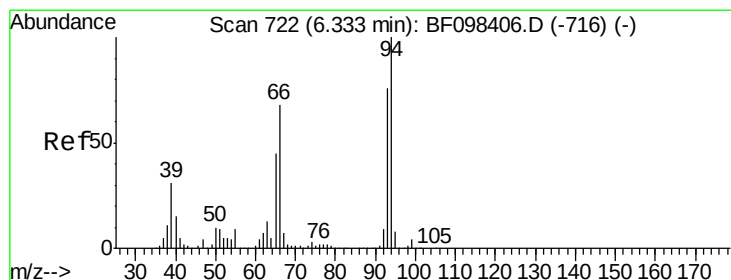
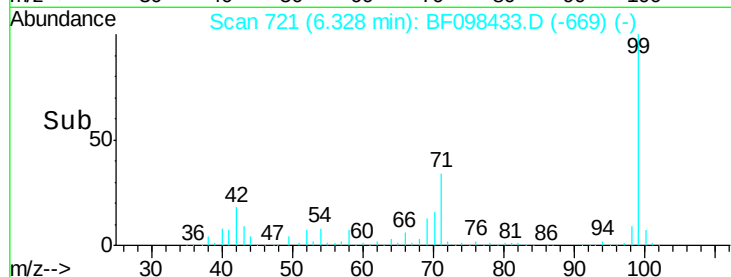
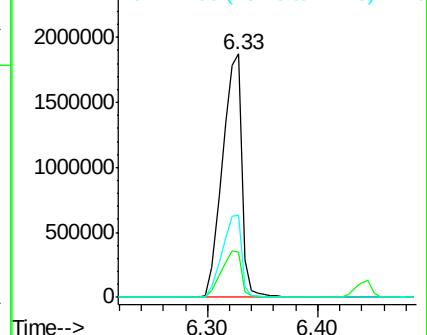
99 100

42 18.4 13.5 20.3

71 33.7 24.5 36.7



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



#10

Phenol

Concen: 4.75 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

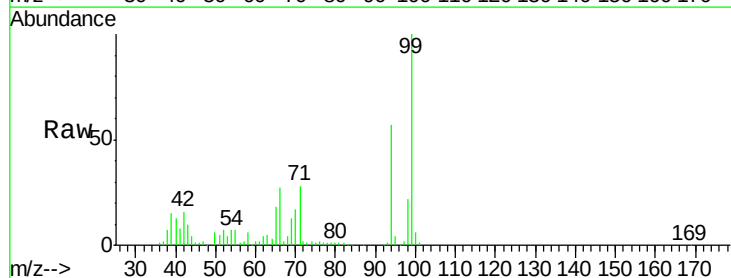
Tgt Ion: 94 Resp: 106520

Ion Ratio Lower Upper

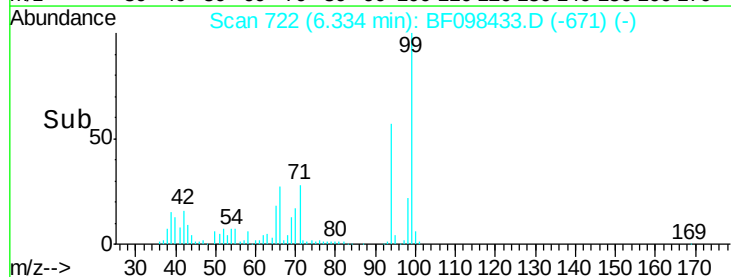
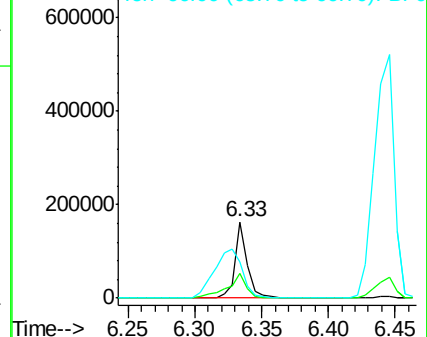
94 100

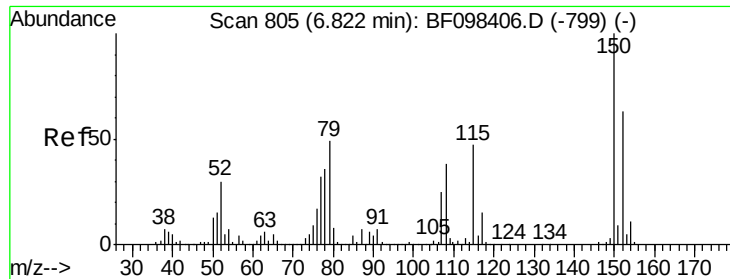
65 31.7 9.9 49.9

66 46.8 23.1 63.1



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





#15

Benzyl Alcohol

Concen: 3.36 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampled :

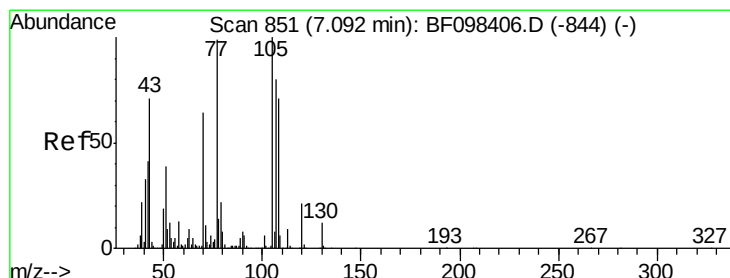
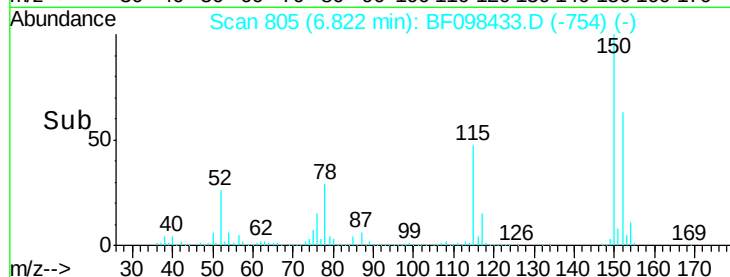
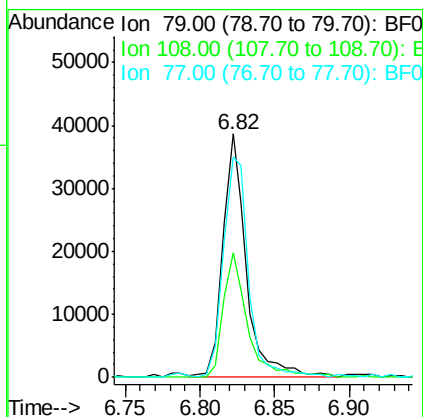
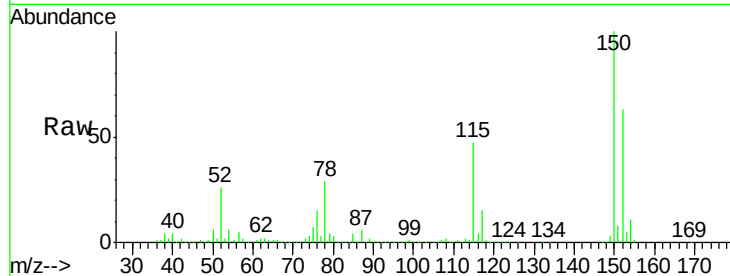
Tot Ion: 79 Resp: 43170

Ion Ratio Lower Upper

79 100

108 51.1 63.4 95.0#

77 90.6 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 15.63 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.15 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Tgt Ion: 70 Resp: 189737

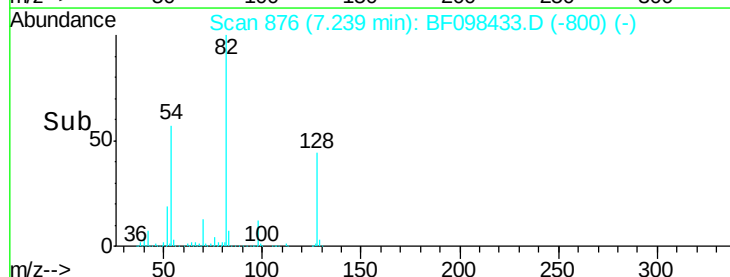
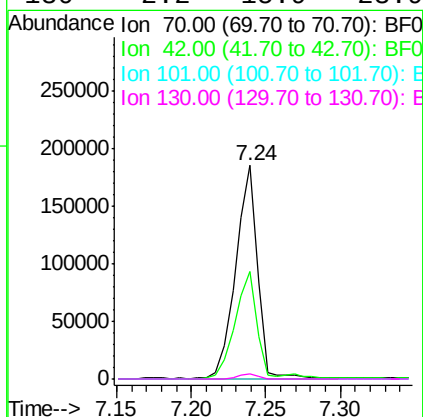
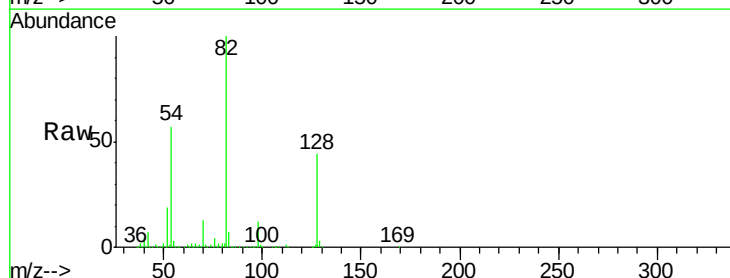
Ion Ratio Lower Upper

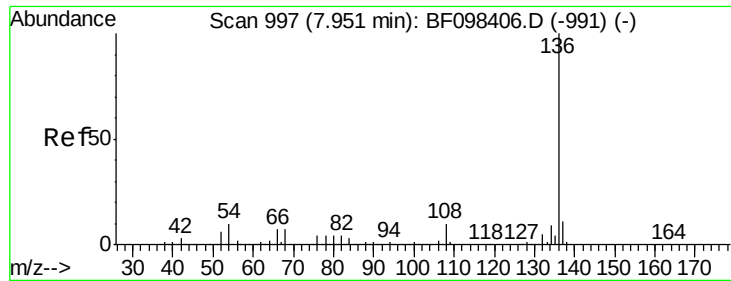
70 100

42 50.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 891491

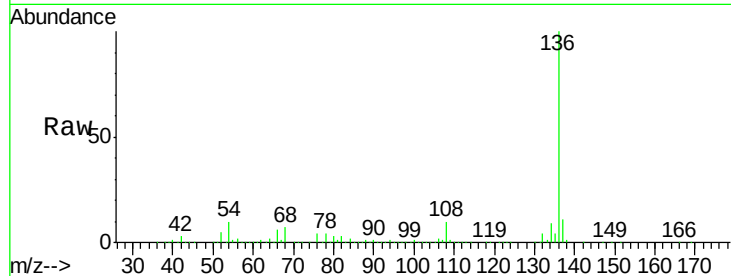
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 9.9 4.9 7.3#

68 7.2 4.1 6.1#

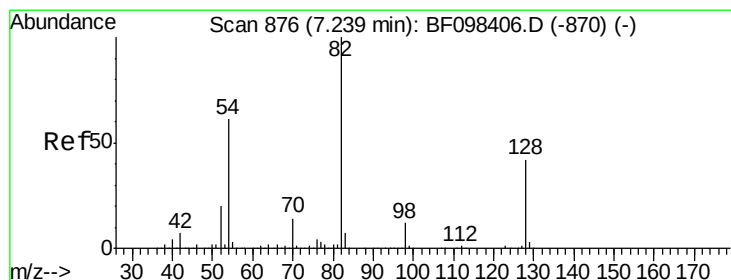
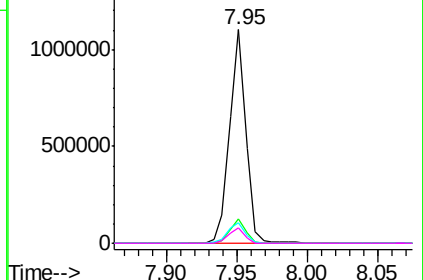
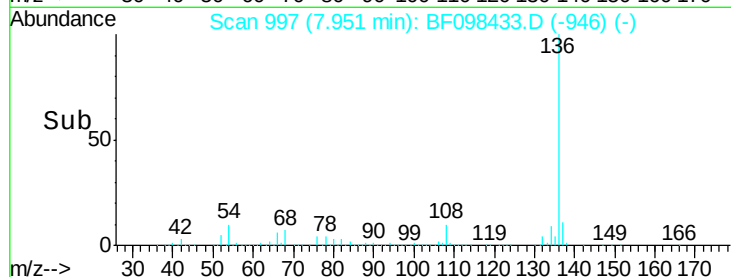


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 88.07 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

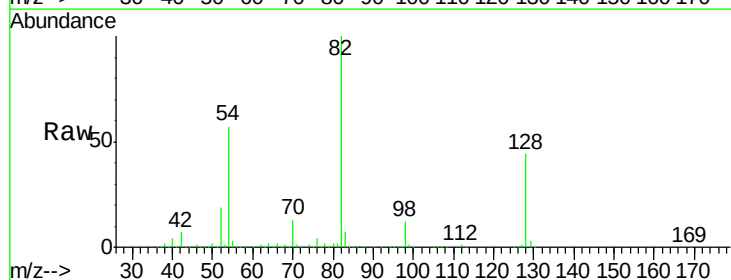
Tgt Ion: 82 Resp: 1408315

Ion Ratio Lower Upper

82 100

128 43.9 34.0 51.0

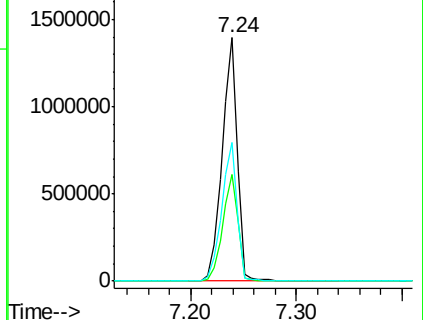
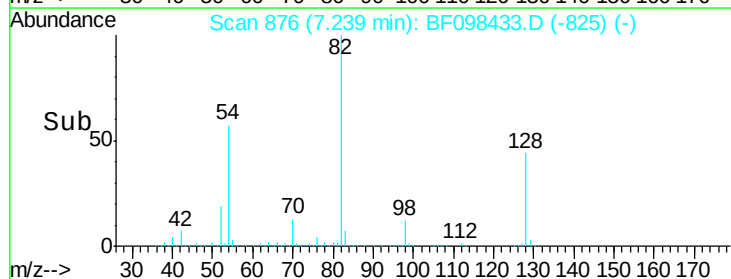
54 57.0 42.2 63.2

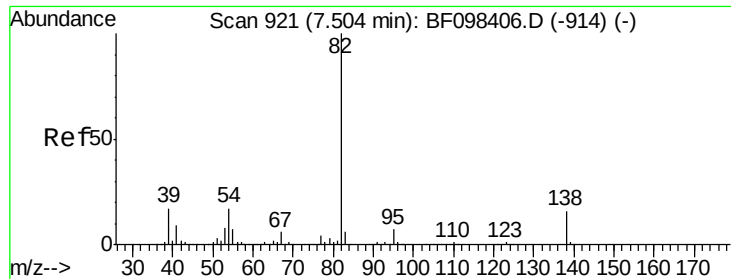


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.75 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.26 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampled :

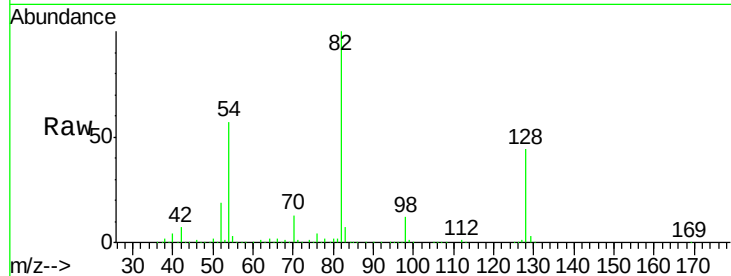
Tot Ion: 82 Resp: 1382984

Ion Ratio Lower Upper

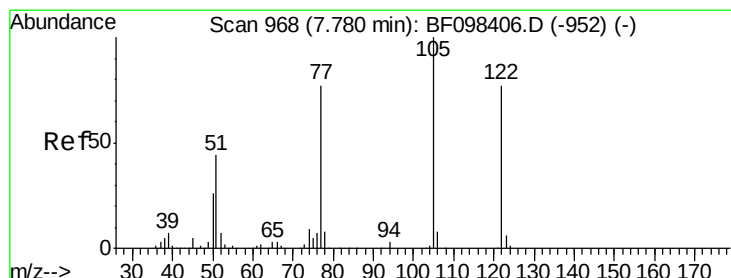
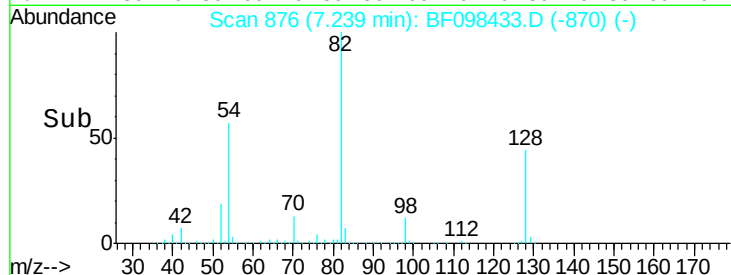
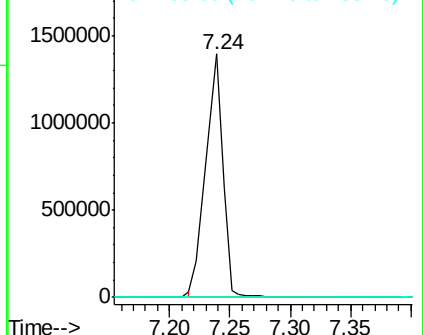
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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): BF0



#32

Benzoic acid

Concen: 8.10 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

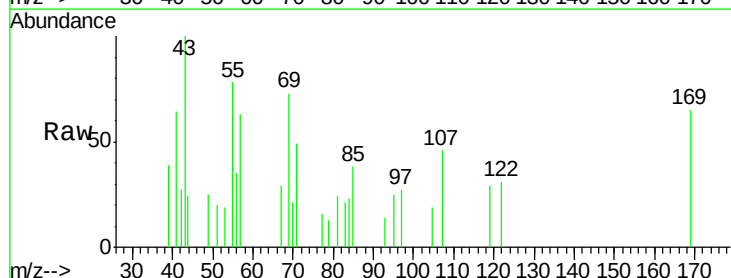
Tgt Ion: 122 Resp: 1478

Ion Ratio Lower Upper

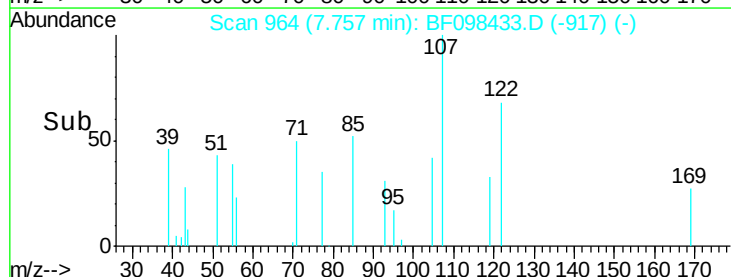
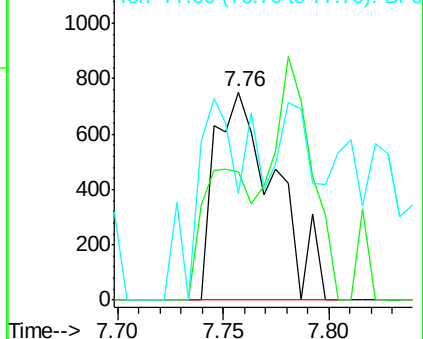
122 100

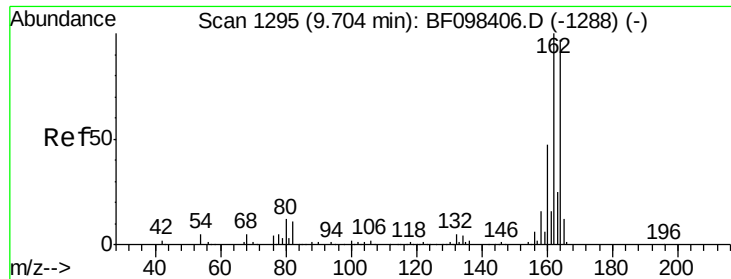
105 62.0 103.3 143.3#

77 51.3 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

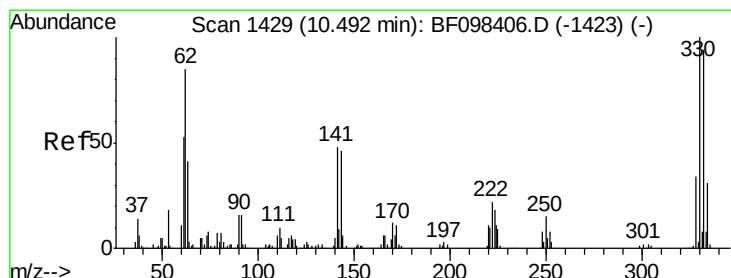
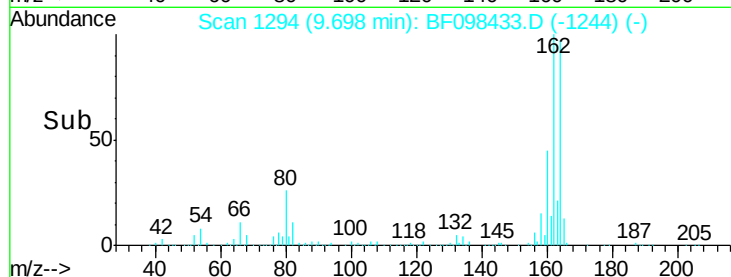
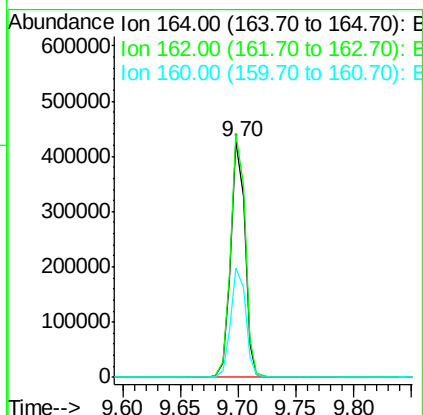
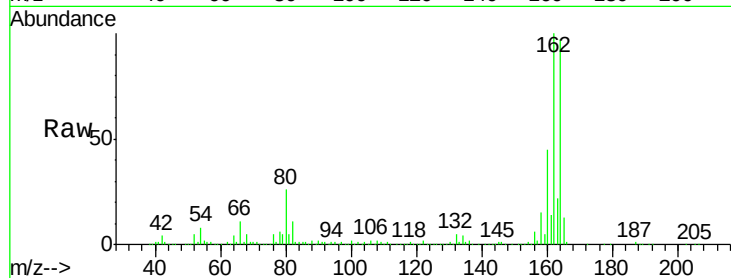




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF098433.D
 Acq: 12 Sep 2017 5:38

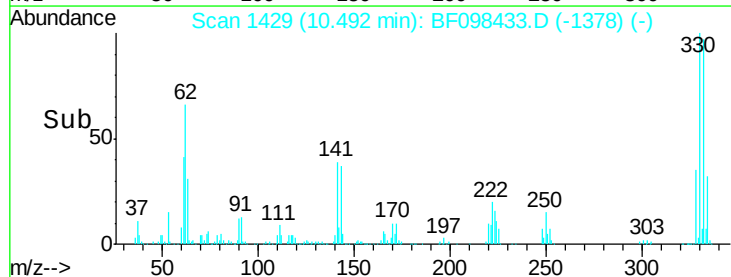
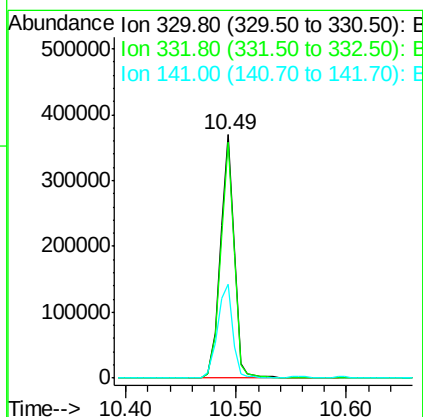
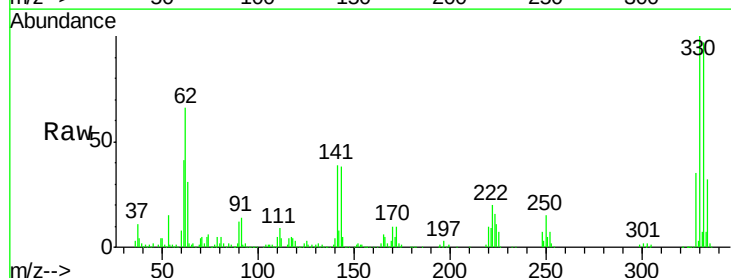
Instrument :
 BNA_F
 ClientSampled :

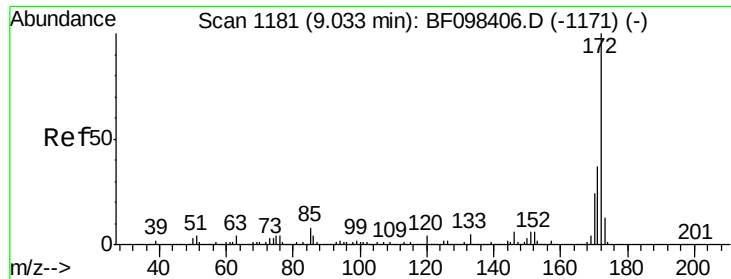
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	46.2	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 133.04 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF098433.D
 Acq: 12 Sep 2017 5:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	42.7	31.4	47.2

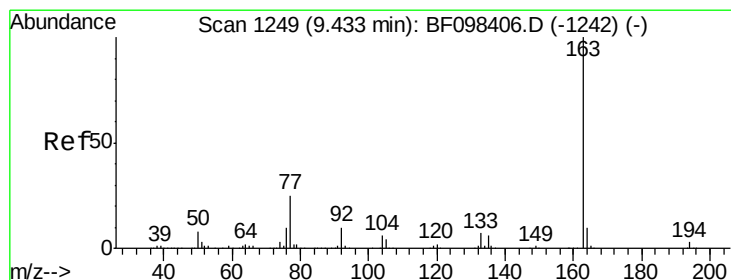
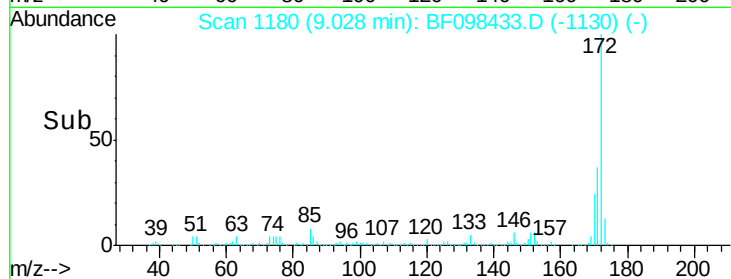
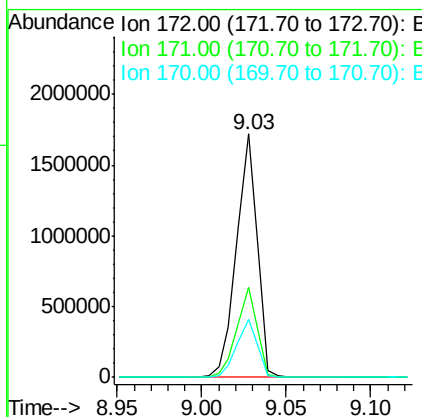
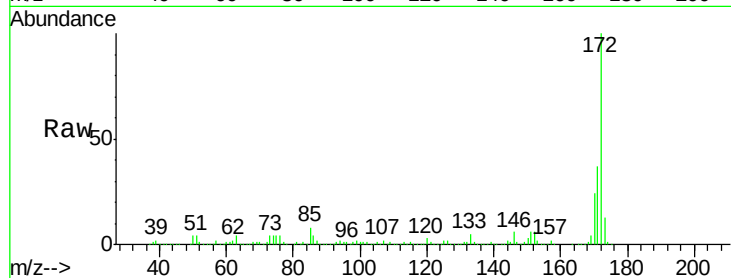




#44
2-Fluorobiphenyl
Concen: 68.16 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF098433.D
Acq: 12 Sep 2017 5:38

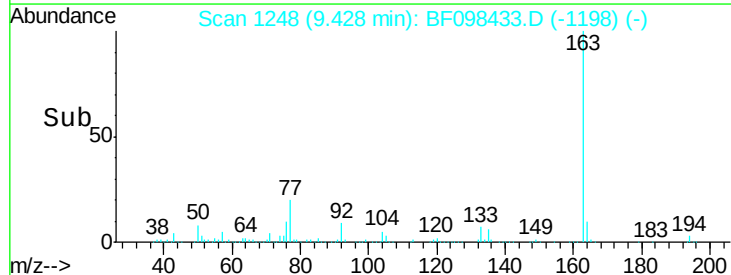
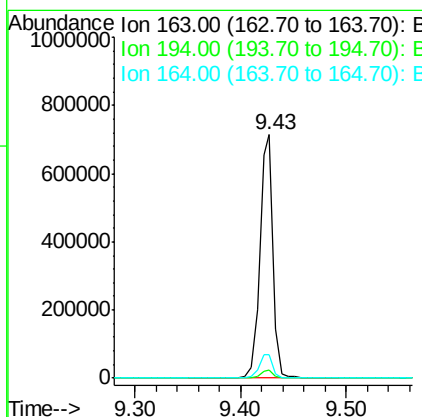
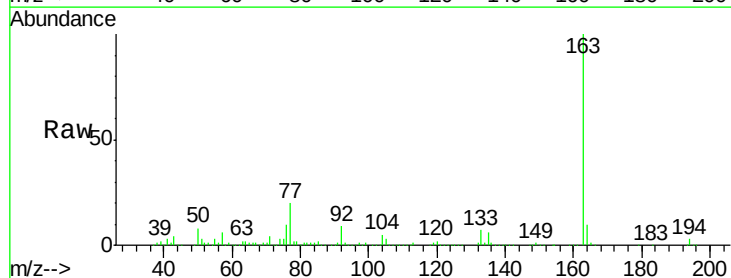
Instrument :
BNA_F
ClientSampleId :

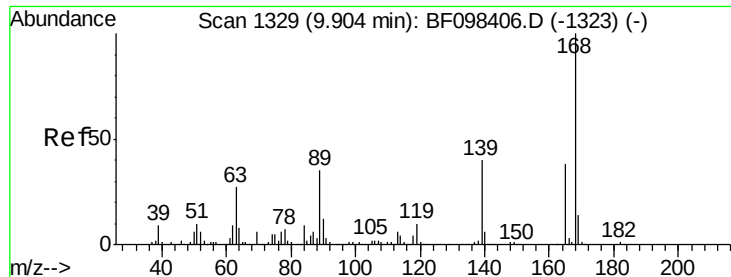
Tot Ion:172 Resp: 1466534
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 24.0 19.8 29.8



#49
Dimethylphthalate
Concen: 22.32 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF098433.D
Acq: 12 Sep 2017 5:38

Tgt Ion:163 Resp: 630133
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.6 8.4 12.6

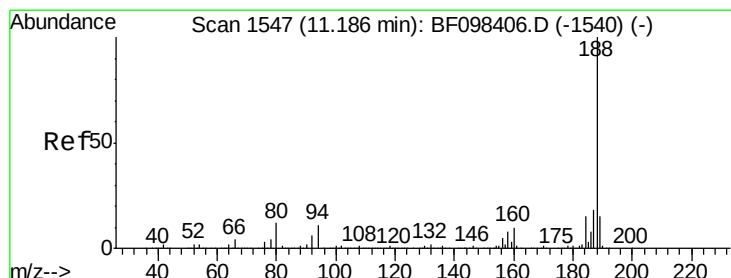
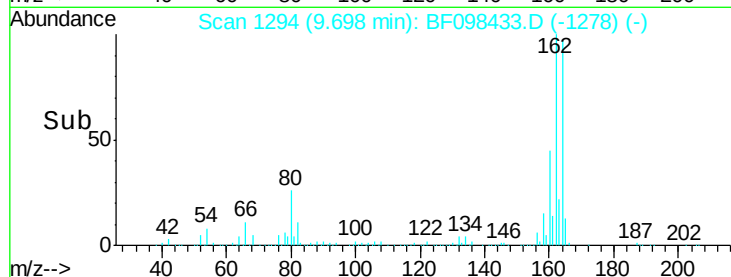
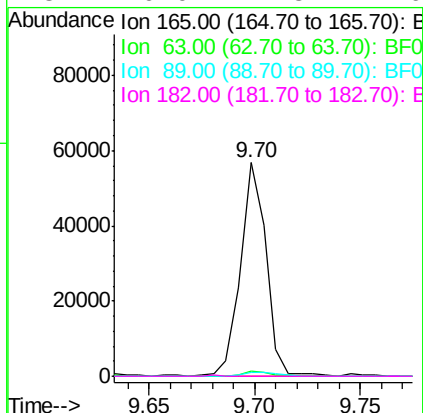
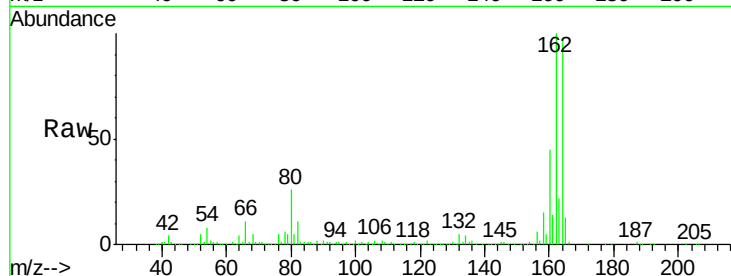




#56
 2,4-Dinitrotoluene
 Concen: 6.79 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF098433.D
 Acq: 12 Sep 2017 5:38

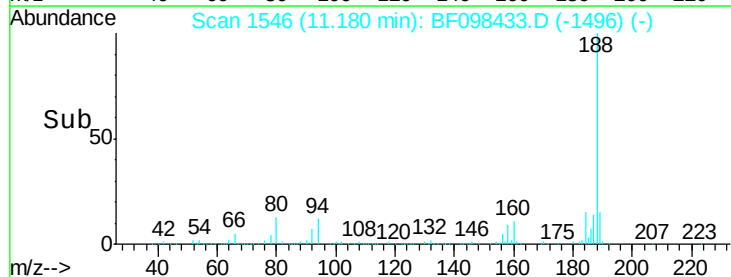
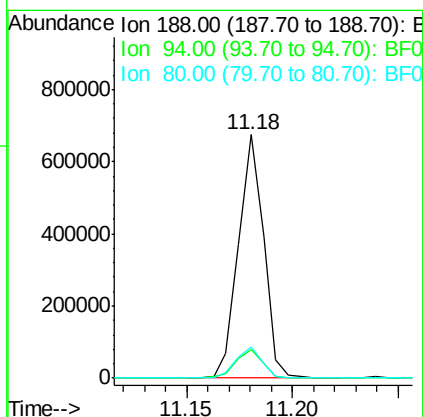
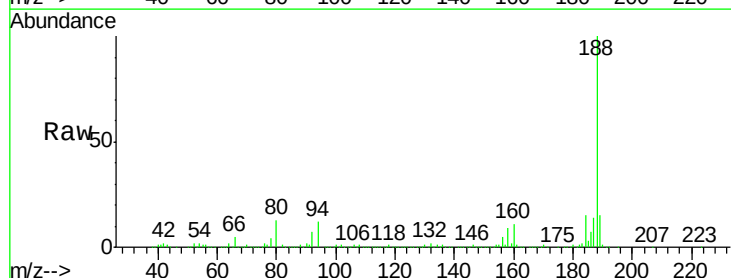
Instrument :
 BNA_F
 ClientSampleId :

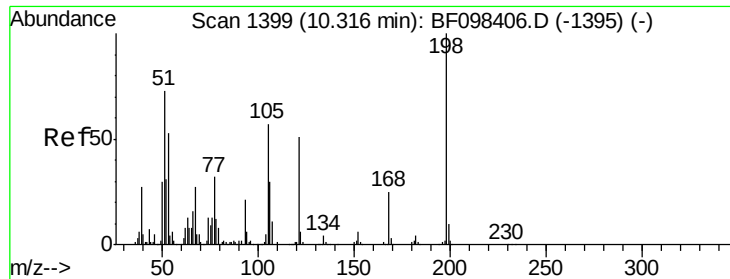
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF098433.D
 Acq: 12 Sep 2017 5:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	13.0	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 5.24 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.18 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampleId :

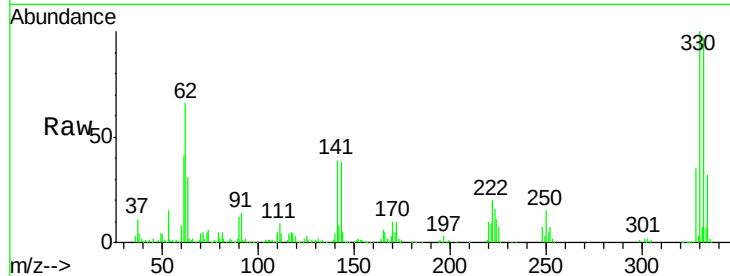
Tot Ion:198 Resp: 1053

Ion Ratio Lower Upper

198 100

51 204.4 53.2 93.2#

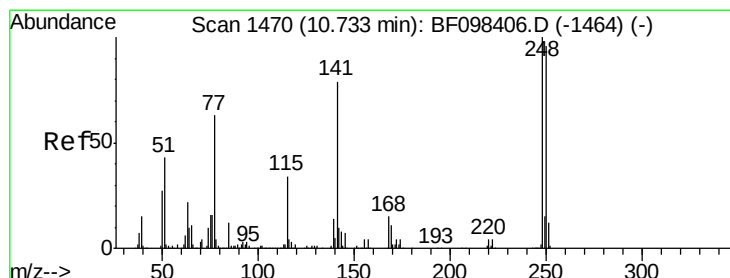
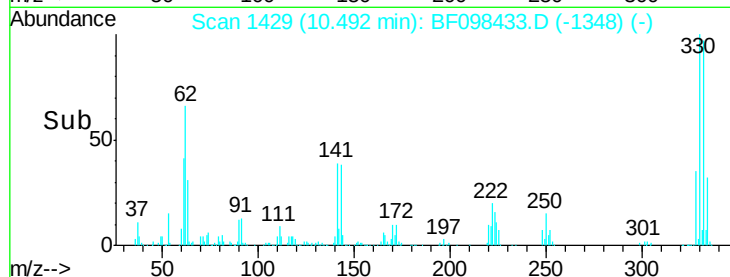
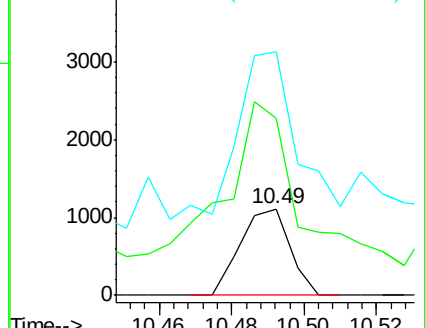
105 281.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.55 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.24 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

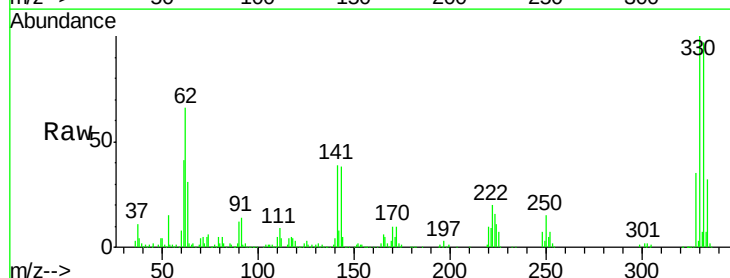
Tgt Ion:248 Resp: 23972

Ion Ratio Lower Upper

248 100

250 201.0 76.8 115.2#

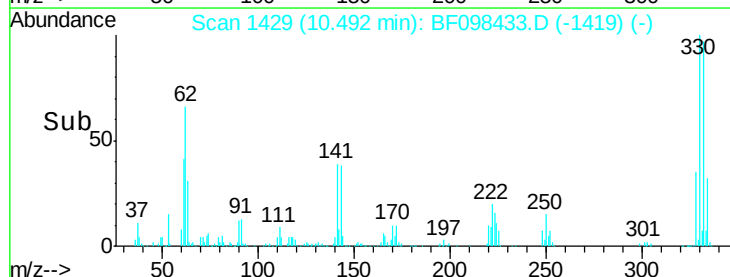
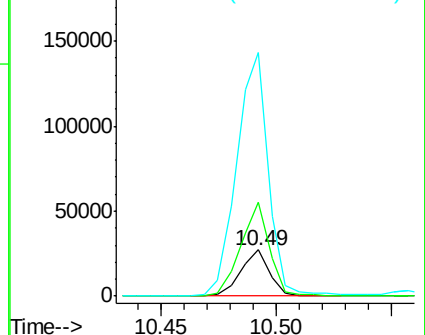
141 524.7 68.6 103.0#

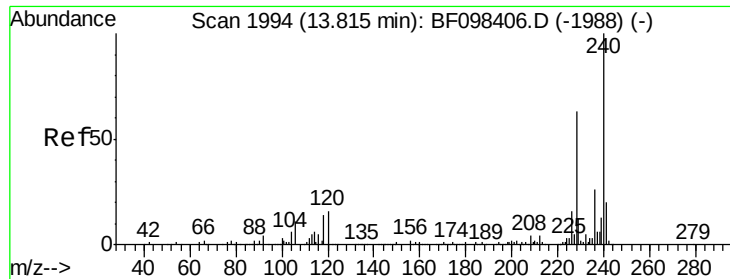


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

Instrument :

BNA_F

ClientSampled :

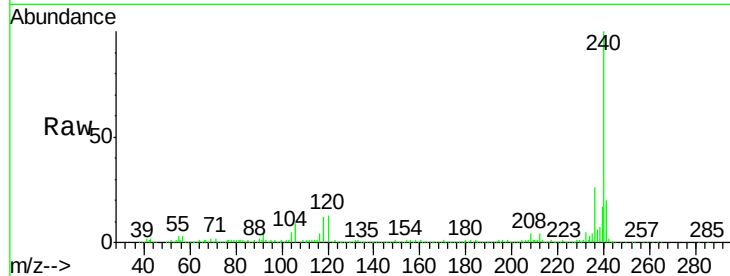
Tot Ion:240 Resp: 369546

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

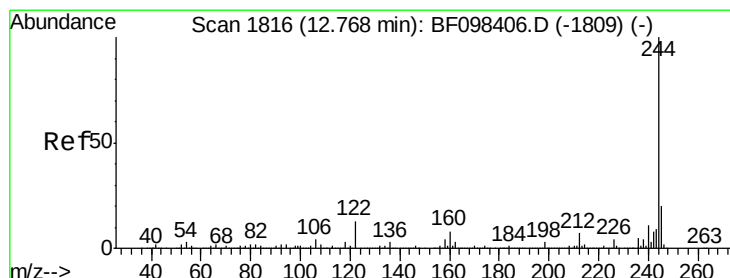
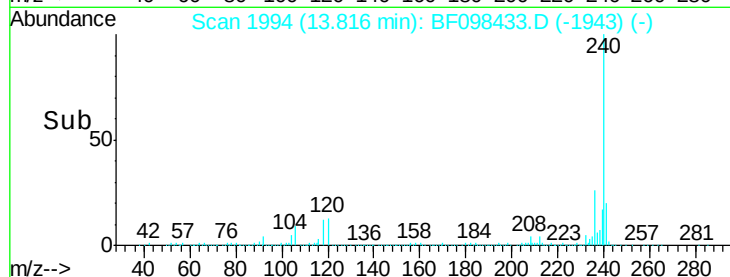
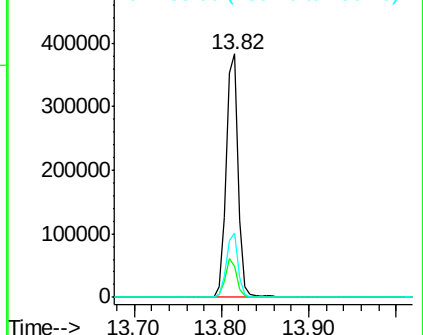
236 26.5 20.5 30.7



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: 45.81 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098433.D

Acq: 12 Sep 2017 5:38

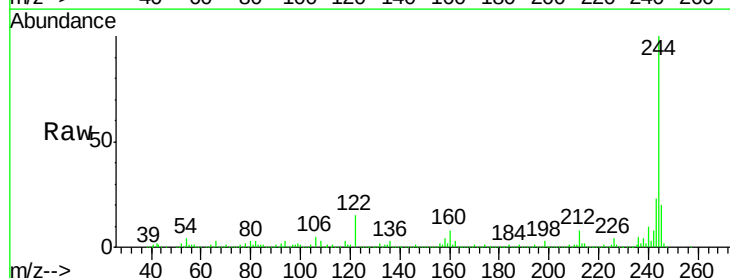
Tgt Ion:244 Resp: 784281

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

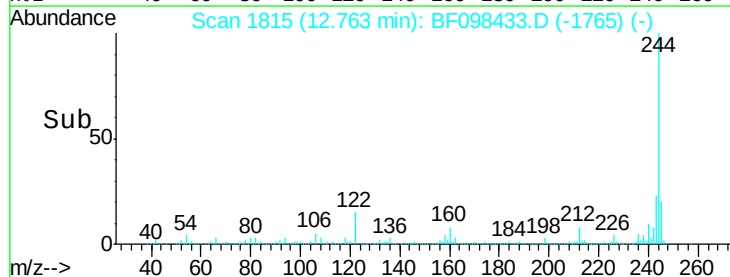
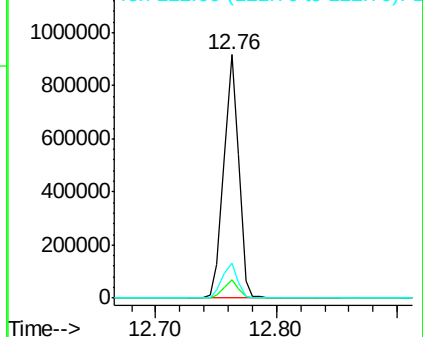
122 14.6 10.3 15.5

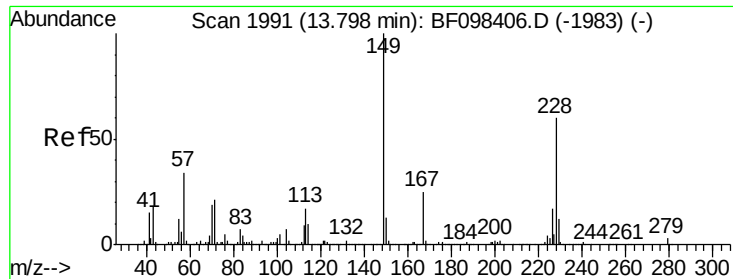


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

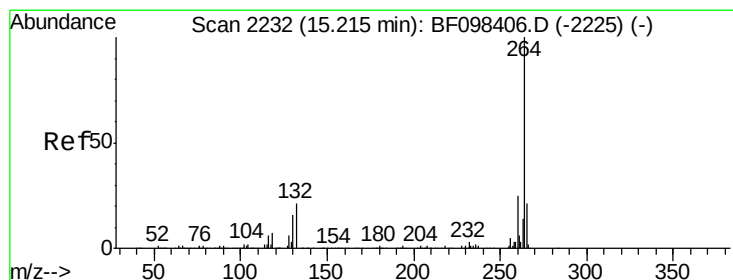
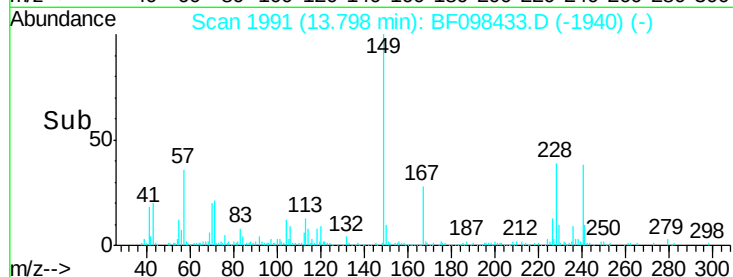
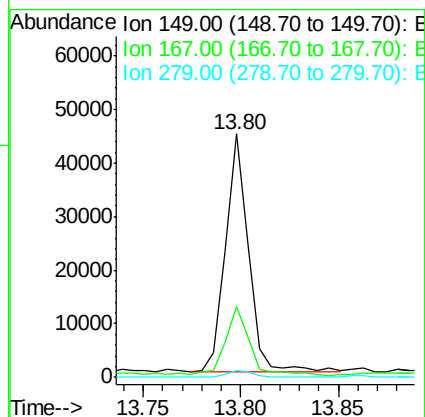
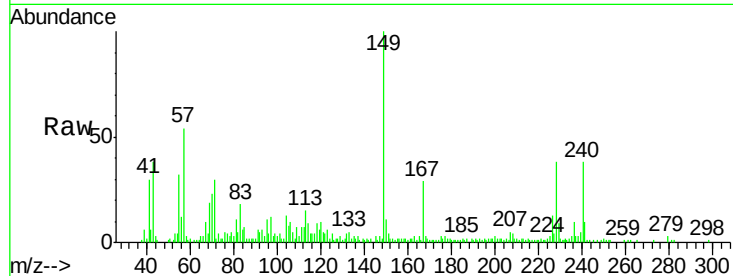




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.28 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: BF098433.D
 Acq: 12 Sep 2017 5:38

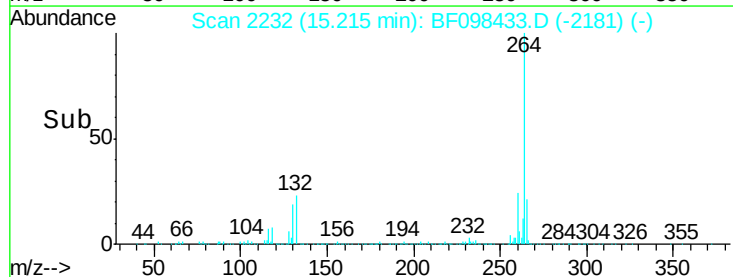
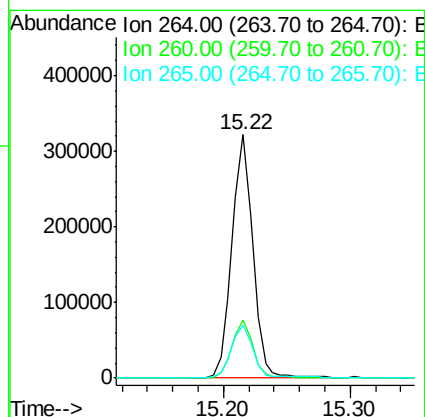
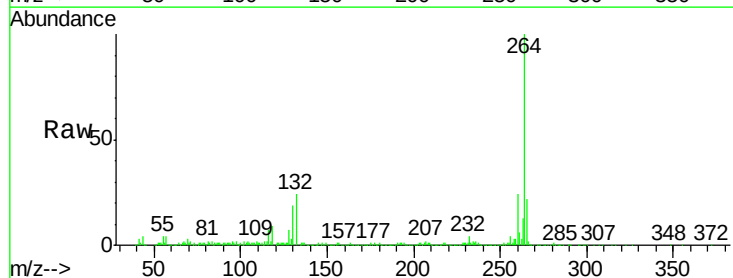
Instrument :
 BNA_F
 ClientSampleId :

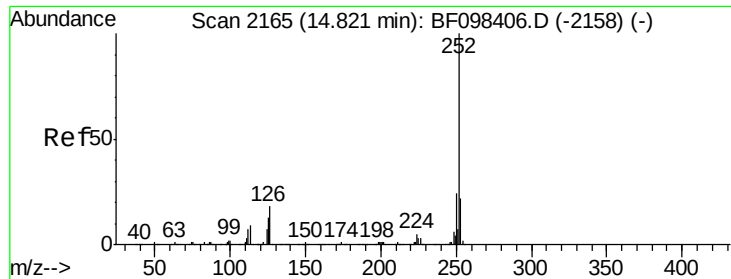
Tot Ion:149 Resp: 36180
 Ion Ratio Lower Upper
 149 100
 167 28.9 21.0 31.4
 279 3.0 1.9 2.9#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. 0.00 min
 Lab File: BF098433.D
 Acq: 12 Sep 2017 5:38

Tgt Ion:264 Resp: 367881
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.5 17.2 25.8

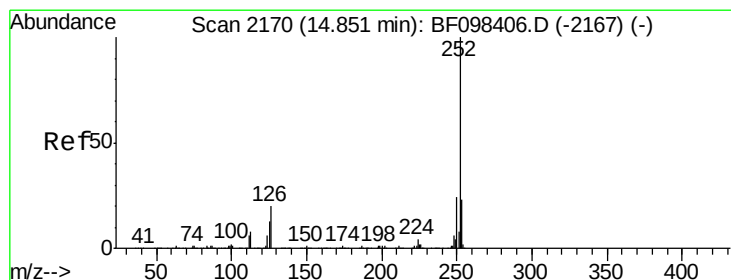
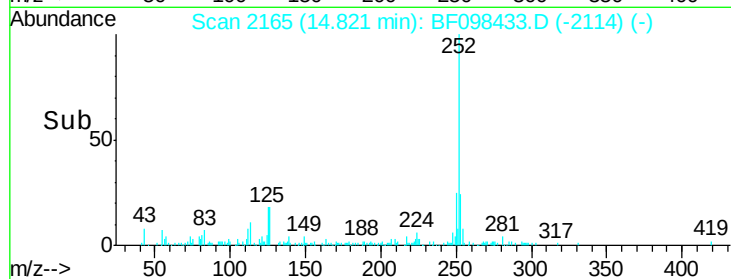
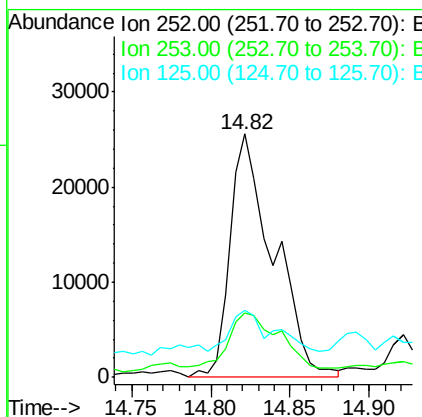
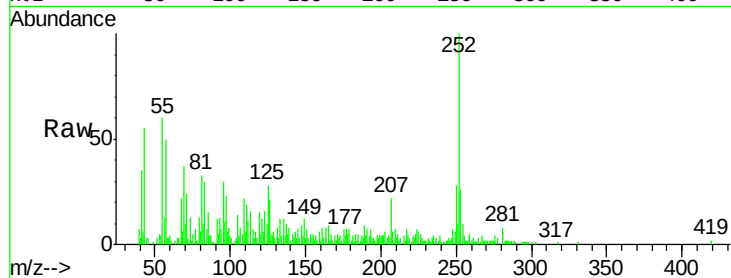




#87
Benzo(b)fluoranthene
Concen: 2.11 ng
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098433.D
Acq: 12 Sep 2017 5:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 48723
Ion Ratio Lower Upper
252 100
253 26.4 18.1 27.1
125 27.7 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.26 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF098433.D
Acq: 12 Sep 2017 5:38

Tgt Ion:252 Resp: 48723
Ion Ratio Lower Upper
252 100
253 26.4 18.4 27.6
125 27.7 13.1 19.7#

