

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094358.D
 Acq On : 11 Apr 2017 18:56
 Operator : SJ/MA
 Sample : I2616-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:50:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

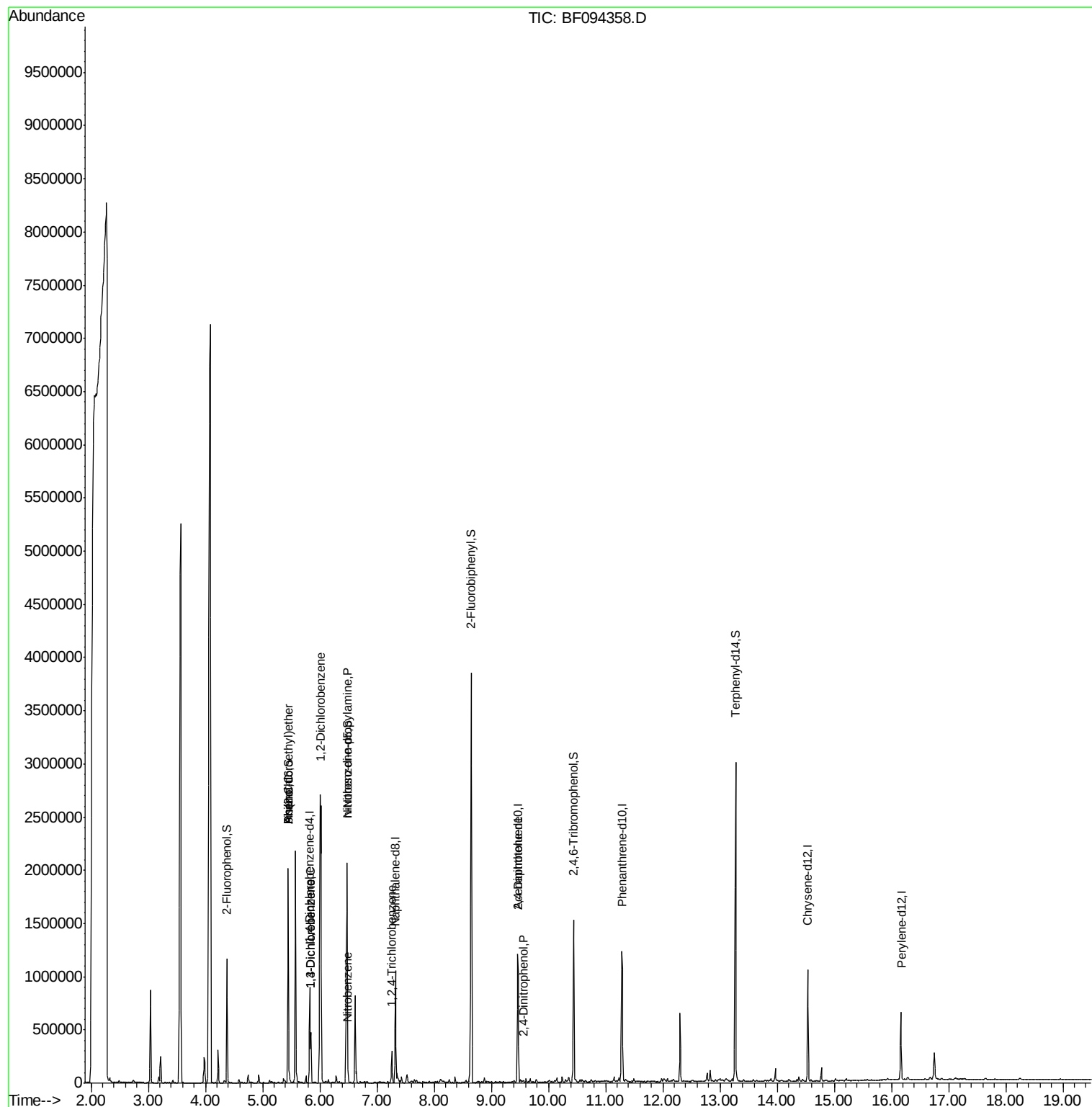
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	143212	20.00	ng	-0.04
21) Naphthalene-d8	7.33	136	577712	20.00	ng	-0.04
38) Acenaphthene-d10	9.46	164	268241	20.00	ng	-0.04
63) Phenanthrene-d10	11.29	188	477712	20.00	ng	-0.04
75) Chrysene-d12	14.54	240	374620	20.00	ng	-0.04
86) Perylene-d12	16.17	264	255415	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	318556	37.57	ng	-0.01
7) Phenol-d6	5.45	99	227718	21.71	ng	-0.02
23) Nitrobenzene-d5	6.47	82	832036	82.19	ng	-0.04
41) 2,4,6-Tribromophenol	10.45	330	191851	90.51	ng	-0.03
44) 2-Fluorobiphenyl	8.65	172	1584884	90.12	ng	-0.04
78) Terphenyl-d14	13.27	244	1150387	68.83	ng	-0.02
Target Compounds						Qvalue
6) Aniline	5.45	93	595113	40.79	ng	99
10) Phenol	5.45	94	51485	4.31	ng	# 1
11) bis(2-Chloroethyl)ether	5.45	93	595113	63.80	ng	# 23
12) 1,3-Dichlorobenzene	5.85	146	117807	11.27	ng	98
13) 1,4-Dichlorobenzene	5.85	146	117807	11.13	ng	97
14) 1,2-Dichlorobenzene	6.02	146	586476	60.15	ng	96
19) n-Nitroso-di-n-propylamine	6.47	70	110309	16.36	ng	# 78
24) Nitrobenzene	6.49	77	36442	3.65	ng	95
30) 1,2,4-Trichlorobenzene	7.26	180	64445	8.16	ng	99
53) 2,4-Dinitrophenol	9.56	184	965	5.05	ng	# 4
56) 2,4-Dinitrotoluene	9.46	165	34982	6.37	ng	# 34

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

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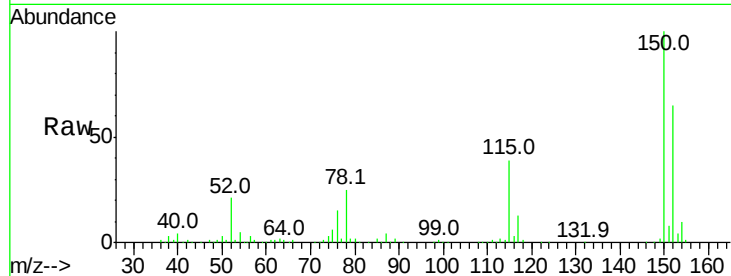


#1

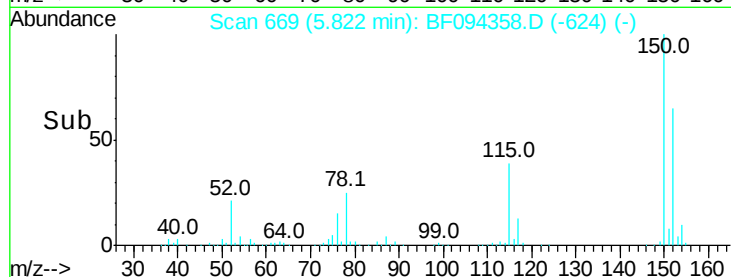
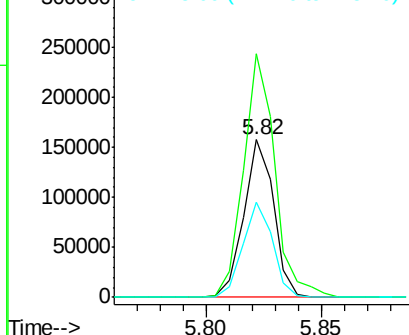
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 669
Delta R.T. -0.04 min
Lab File: BF094358.D
Acq: 11 Apr 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143212
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 60.0 52.2 78.2



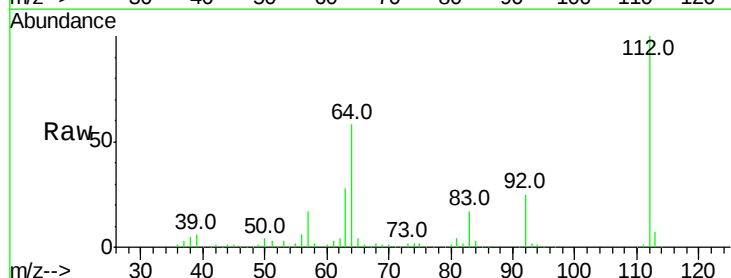
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



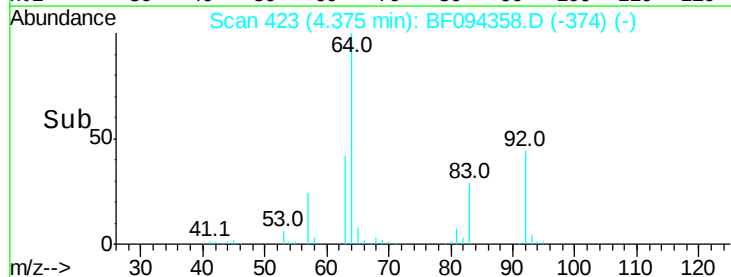
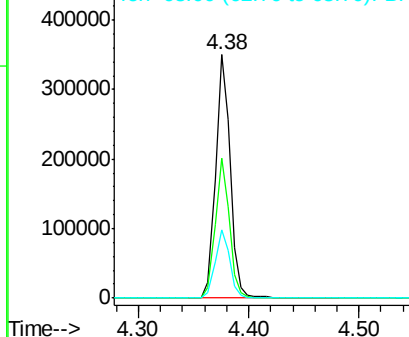
#5

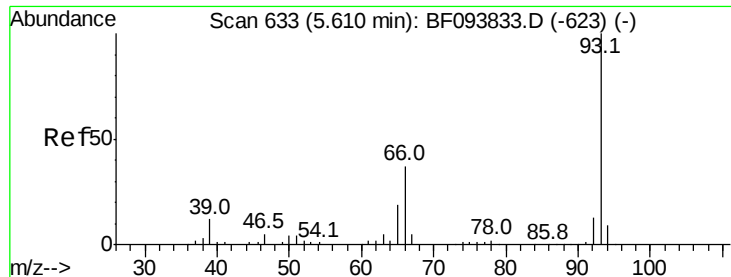
2-Fluorophenol
Concen: 37.57 ng
RT: 4.38 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094358.D
Acq: 11 Apr 2017 18:56

Tgt Ion:112 Resp: 318556
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 28.2 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





#6

Aniline

Concen: 40.79 ng

RT: 5.45 min Scan# 605

Delta R.T. -0.04 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

Instrument :

BNA_F

ClientSampleId :

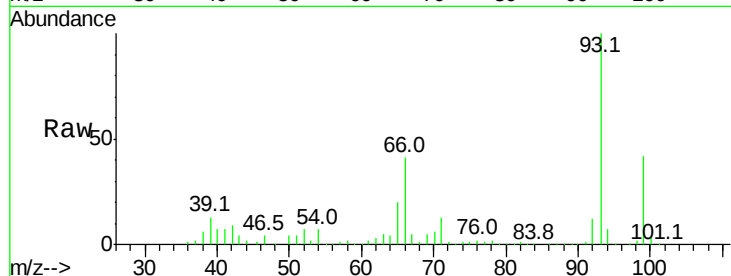
Tot Ion: 93 Resp: 595113

Ion Ratio Lower Upper

93 100

66 40.5 32.9 49.3

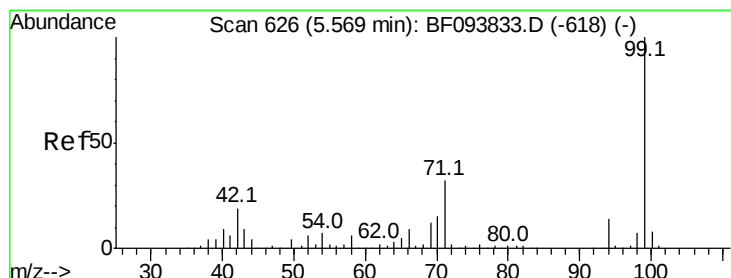
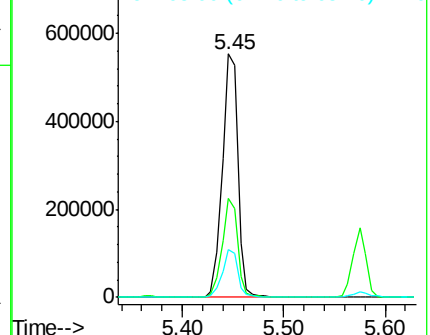
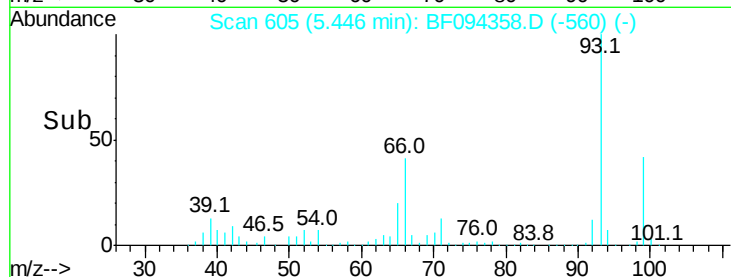
65 19.5 16.0 24.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 21.71 ng

RT: 5.45 min Scan# 605

Delta R.T. -0.02 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

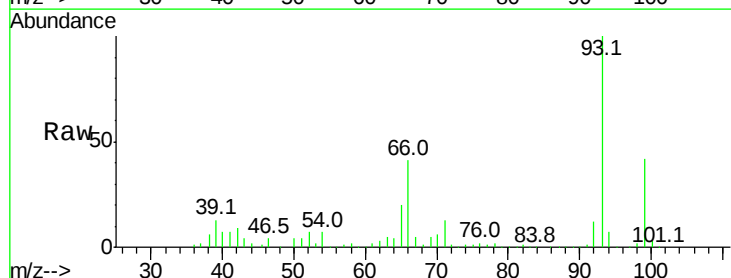
Tgt Ion: 99 Resp: 227718

Ion Ratio Lower Upper

99 100

42 20.5 13.5 20.3#

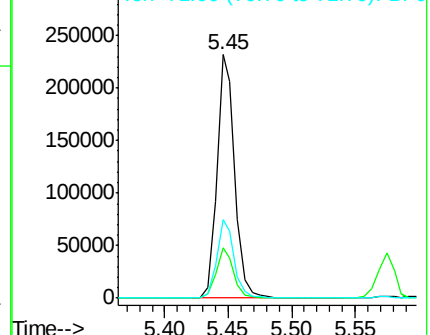
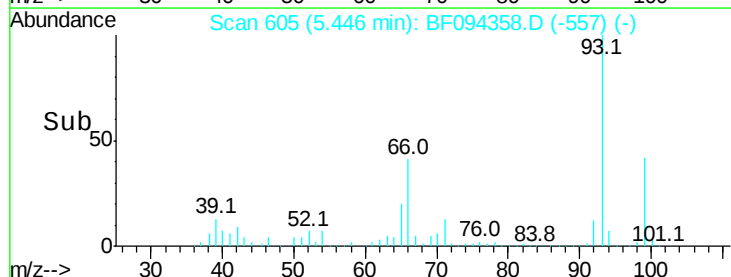
71 32.1 24.5 36.7

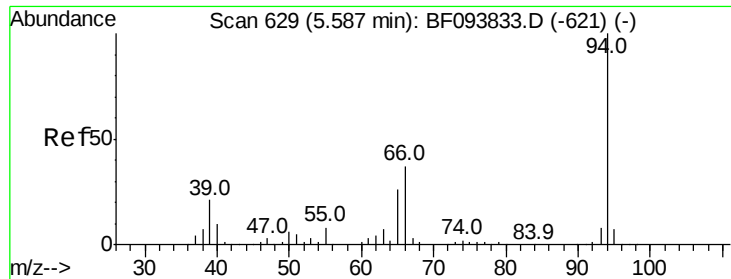


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

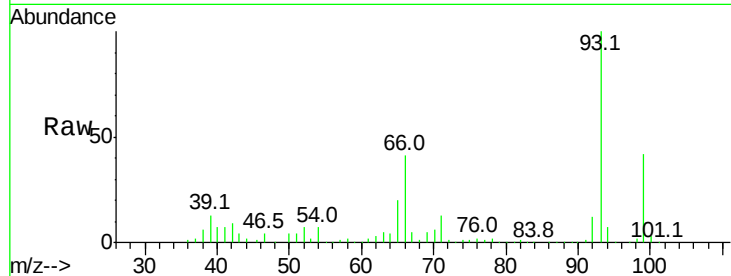




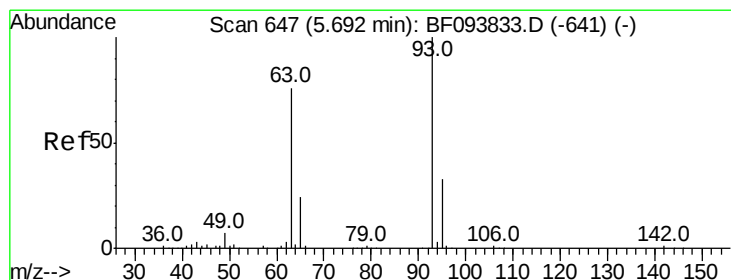
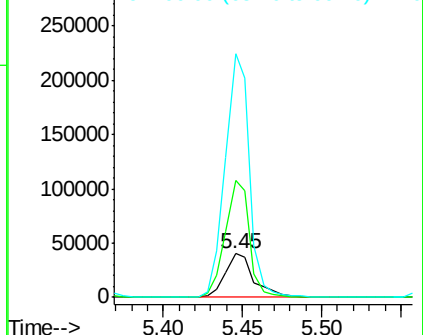
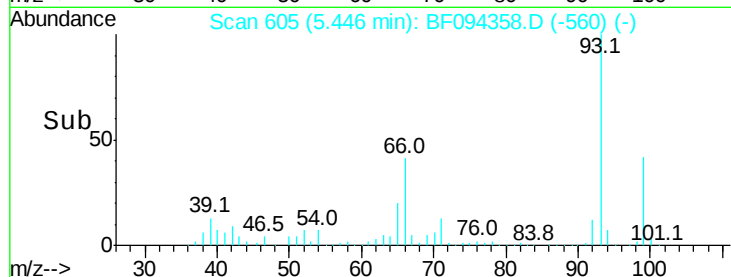
#10
Phenol
Concen: 4.31 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.04 min
Lab File: BF094358.D
Acq: 11 Apr 2017 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 51485
Ion Ratio Lower Upper
94 100
65 267.3 9.9 49.9#
66 555.4 23.1 63.1#

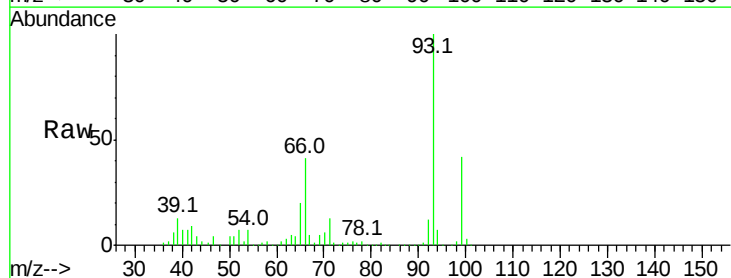


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

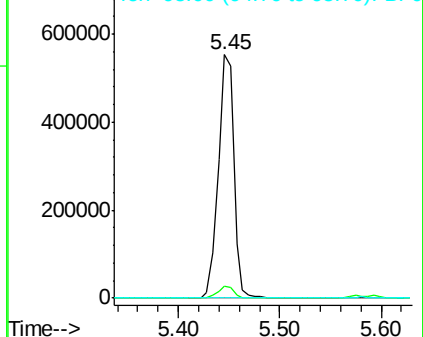
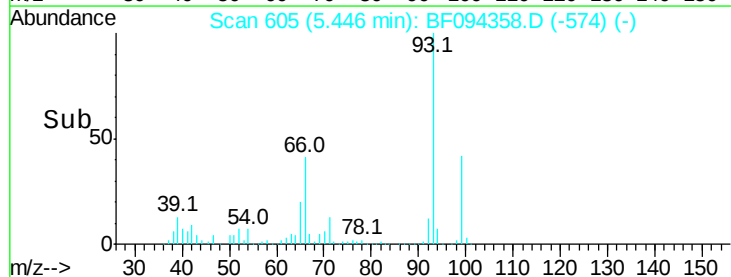


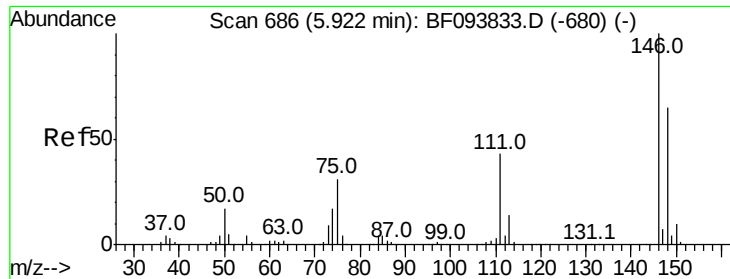
#11
bis(2-Chloroethyl)ether
Concen: 63.80 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.12 min
Lab File: BF094358.D
Acq: 11 Apr 2017 18:56

Tgt Ion: 93 Resp: 595113
Ion Ratio Lower Upper
93 100
63 4.9 59.2 99.2#
95 0.3 12.8 52.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

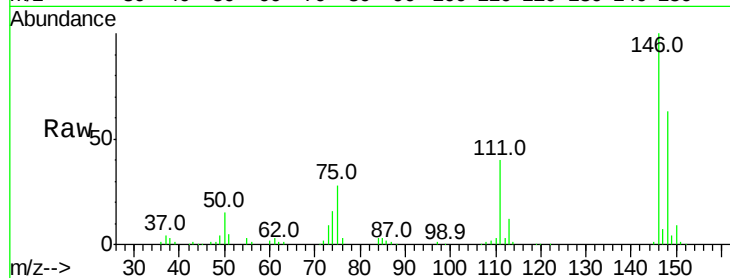




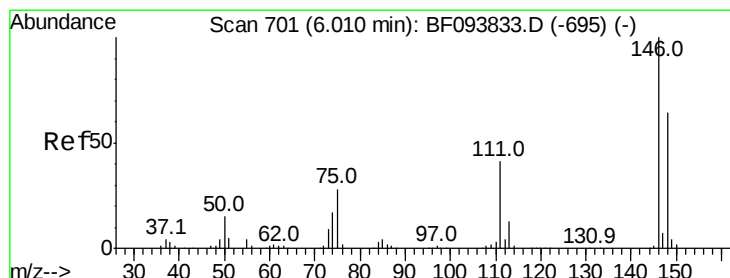
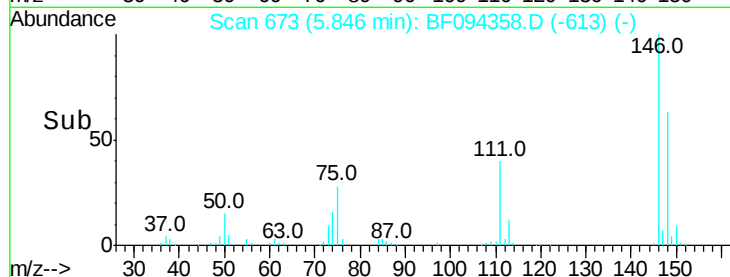
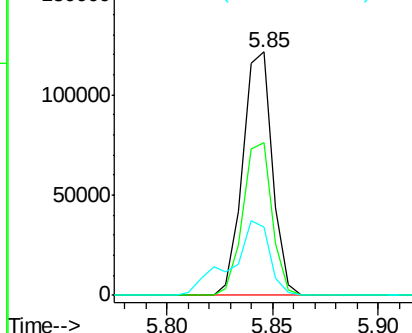
#12
 1,3-Dichlorobenzene
 Concen: 11.27 ng
 RT: 5.85 min Scan# 673
 Delta R.T. 0.05 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.8	77.6
75	27.8	23.1	34.7

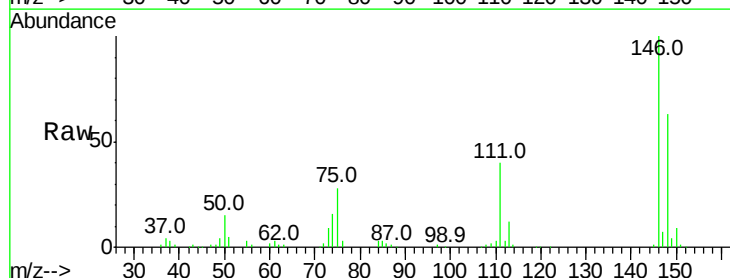


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

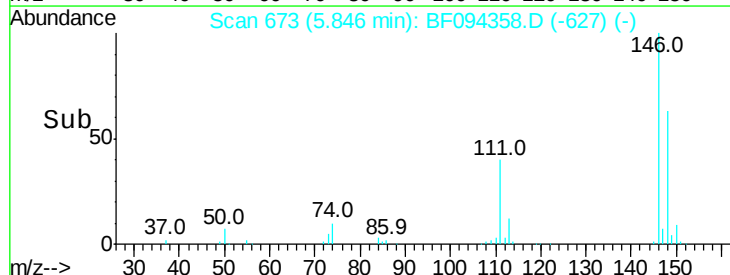
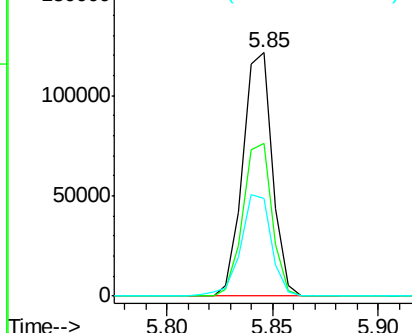


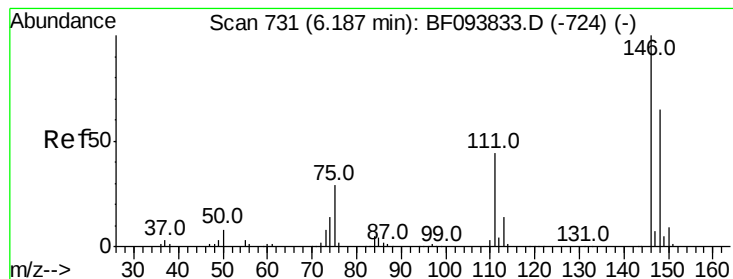
#13
 1,4-Dichlorobenzene
 Concen: 11.13 ng
 RT: 5.85 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	52.2	78.2
111	40.2	30.3	45.5



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 60.15 ng

RT: 6.02 min Scan# 703

Delta R.T. -0.03 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

Instrument :

BNA_F

ClientSampled :

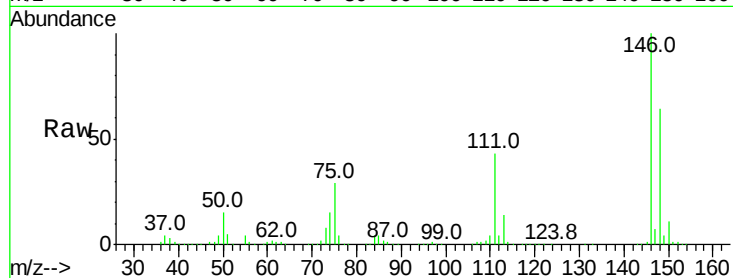
Tot Ion:146 Resp: 586476

Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

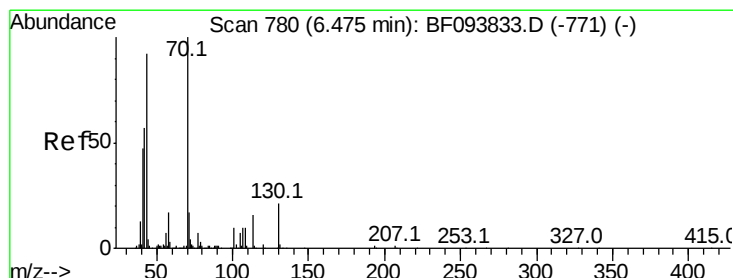
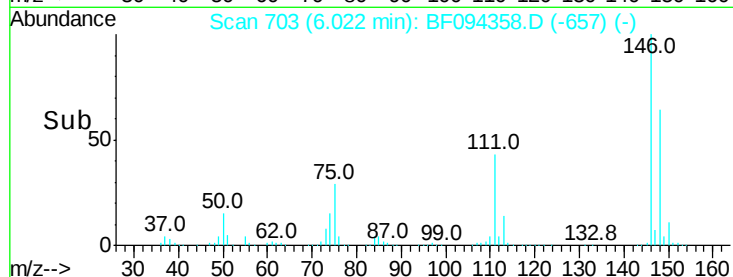
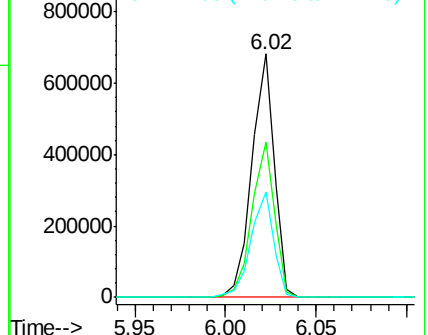
111 43.2 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 16.36 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.13 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

Tgt Ion: 70 Resp: 110309

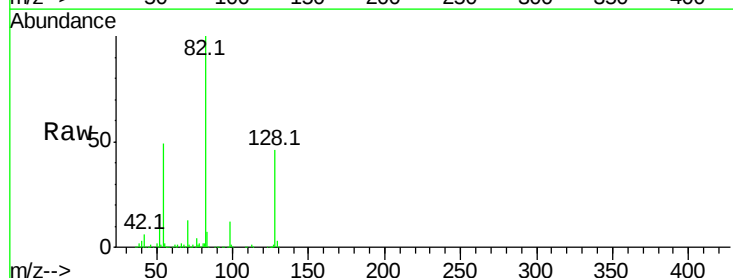
Ion Ratio Lower Upper

70 100

42 47.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

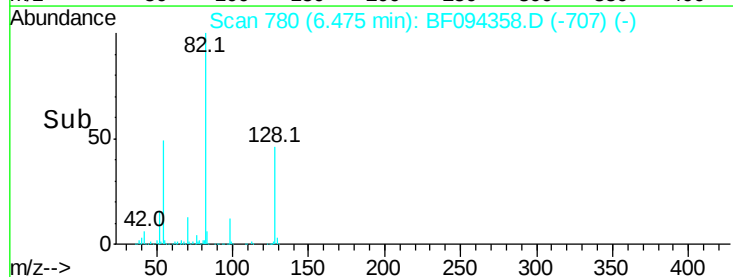
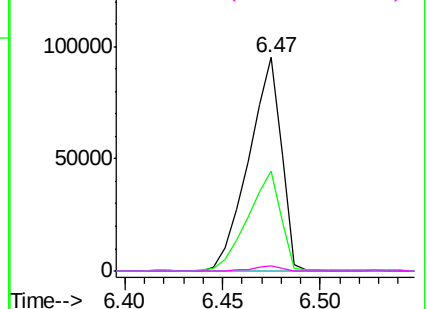


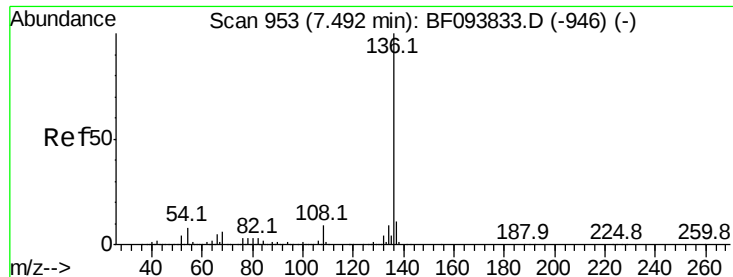
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 925

Delta R.T. -0.04 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 577712

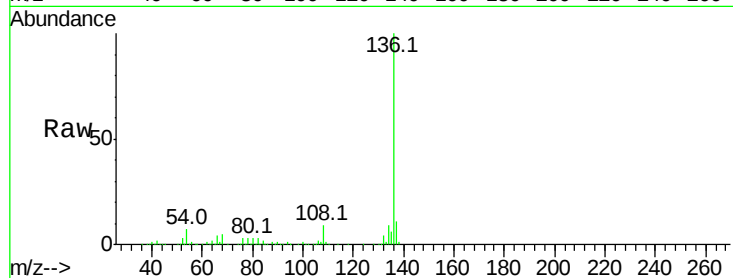
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.1 4.9 7.3

68 5.5 4.1 6.1

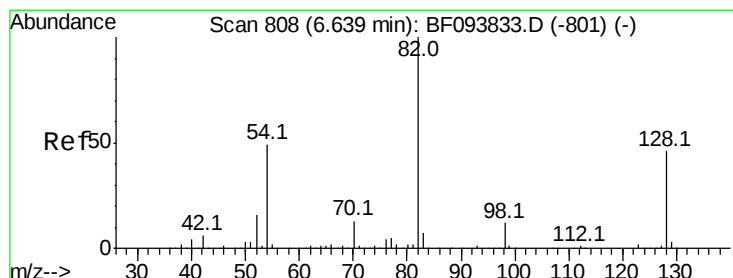
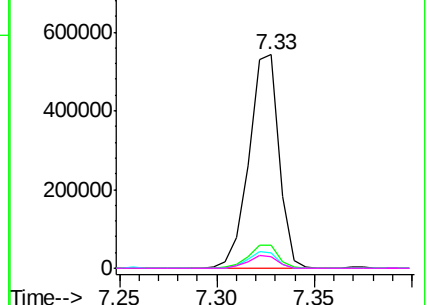
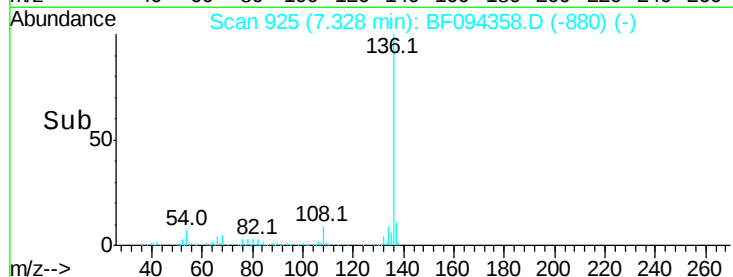


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.19 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.04 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

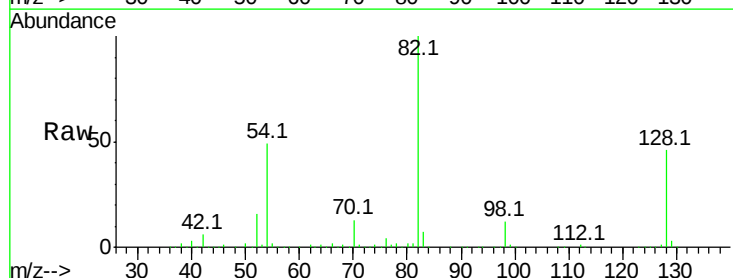
Tgt Ion: 82 Resp: 832036

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

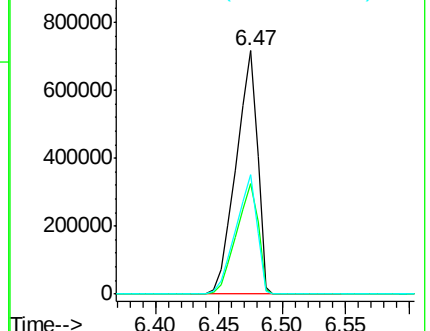
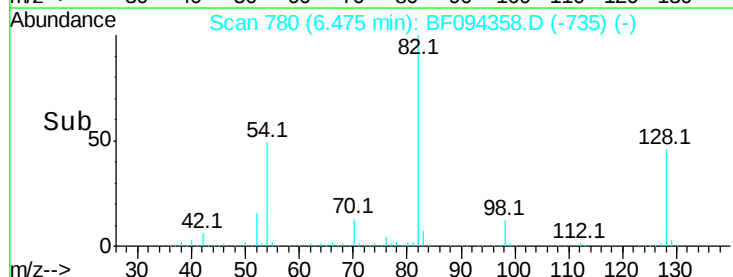
54 49.0 42.2 63.2

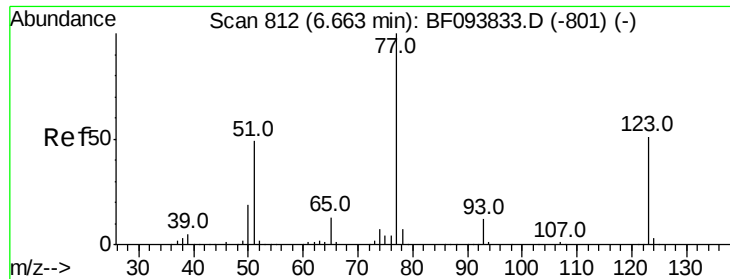


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 3.65 ng

RT: 6.49 min Scan# 783

Delta R.T. -0.04 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

Instrument :
BNA_F
ClientSampleId :

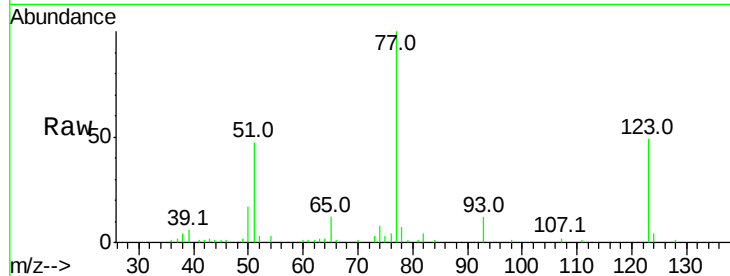
Tot Ion: 77 Resp: 36442

Ion Ratio Lower Upper

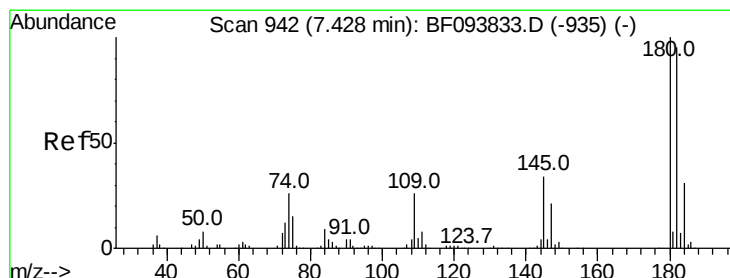
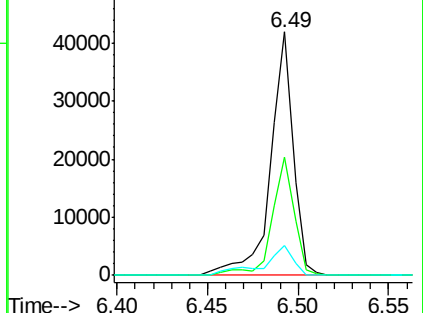
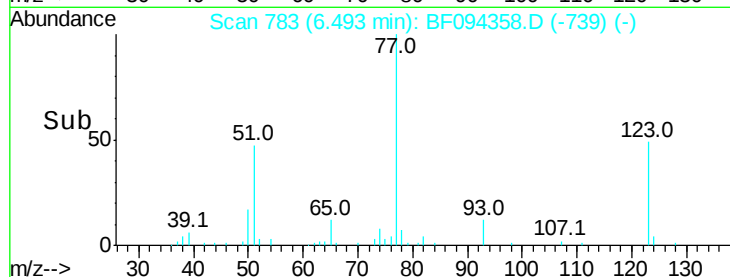
77 100

123 48.7 35.8 53.8

65 12.5 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 8.16 ng

RT: 7.26 min Scan# 914

Delta R.T. -0.04 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

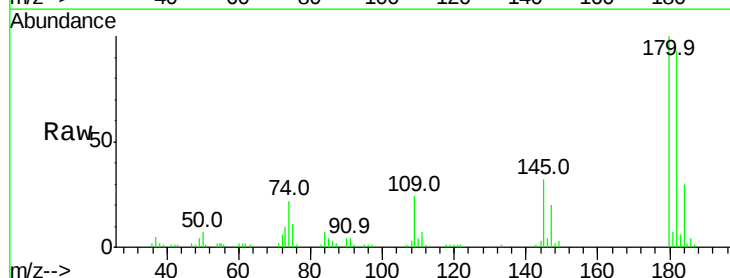
Tgt Ion:180 Resp: 64445

Ion Ratio Lower Upper

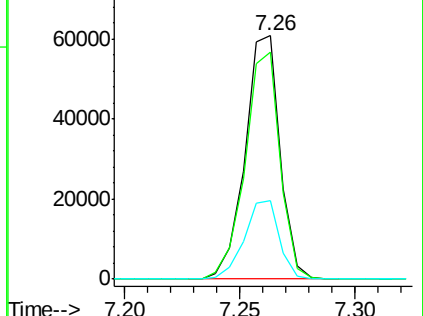
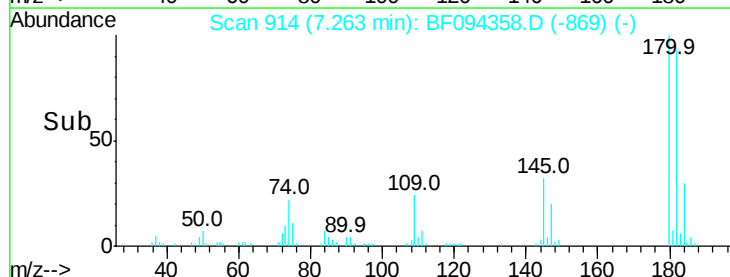
180 100

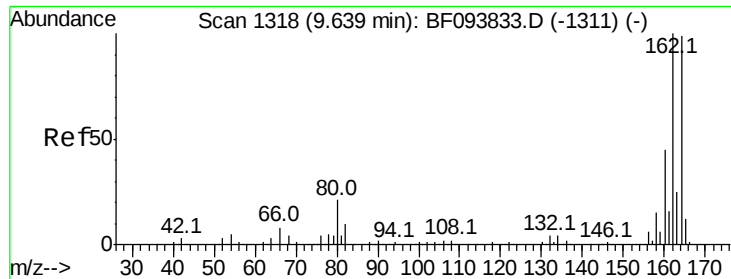
182 93.2 75.8 113.6

145 32.1 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): B
Ion 182.00 (181.70 to 182.70): B
Ion 145.00 (144.70 to 145.70): B

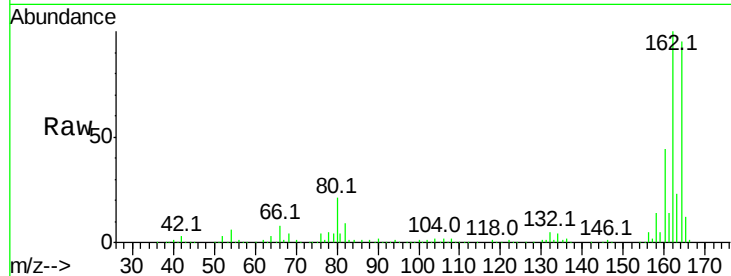




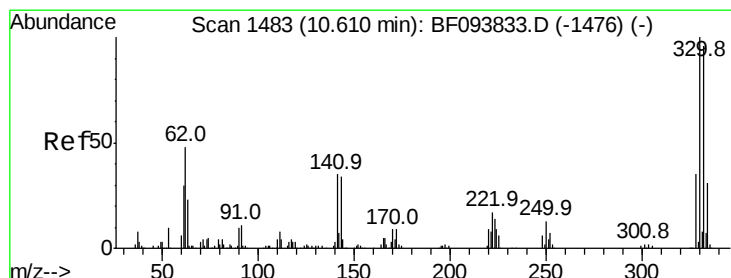
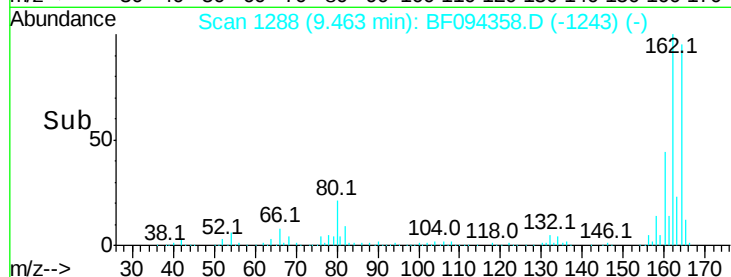
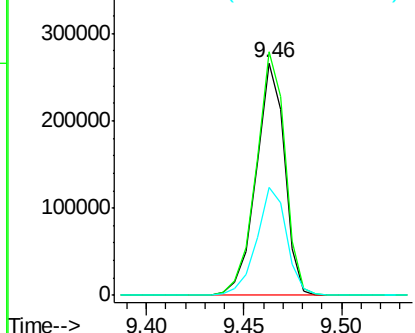
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. -0.04 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 268241
 Ion Ratio Lower Upper
 164 100
 162 104.9 82.6 123.8
 160 46.7 36.2 54.2

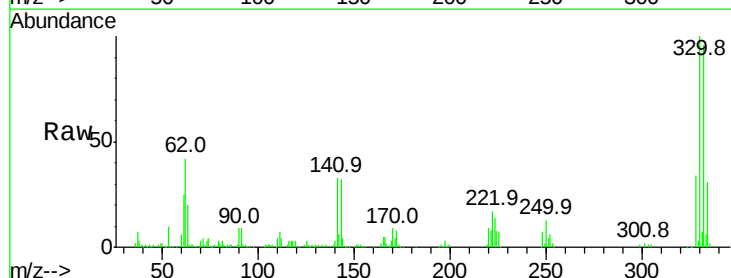


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

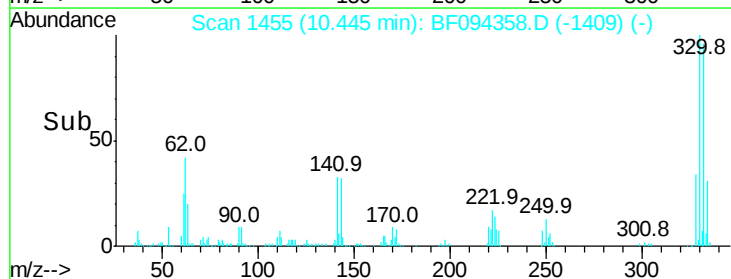
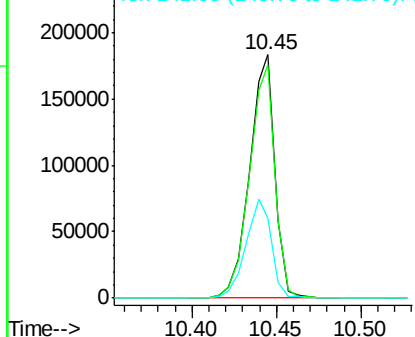


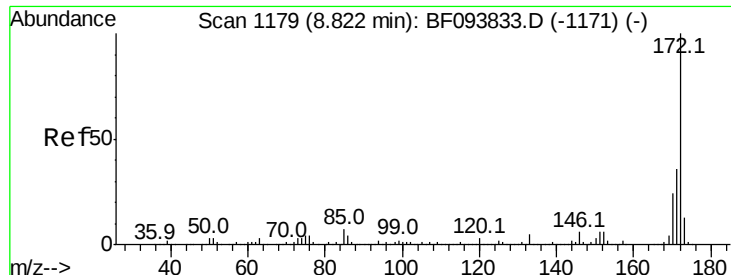
#41
 2,4,6-Tribromophenol
 Concen: 90.51 ng
 RT: 10.45 min Scan# 1455
 Delta R.T. -0.03 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Tgt Ion:330 Resp: 191851
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 115.0
 141 41.4 31.4 47.2



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



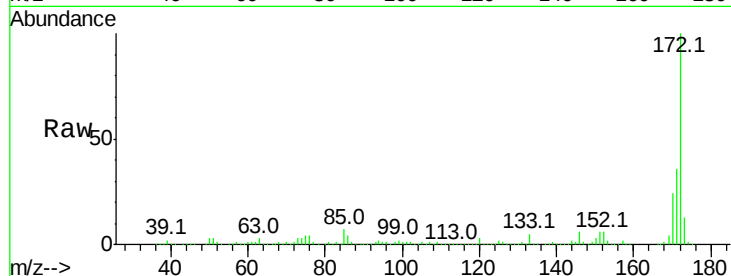


#44
 2-Fluorobiphenyl
 Concen: 90.12 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

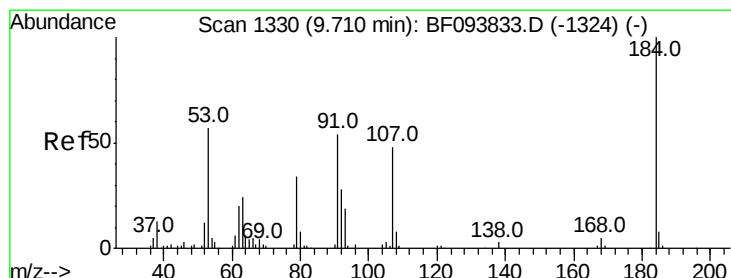
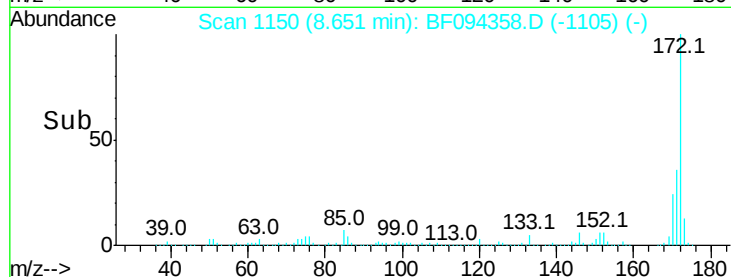
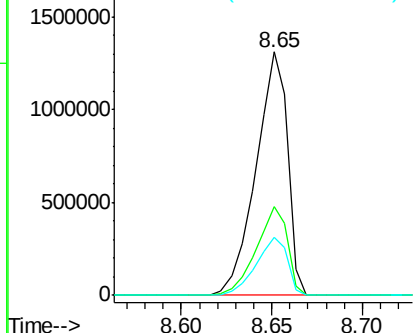
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1584884

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8



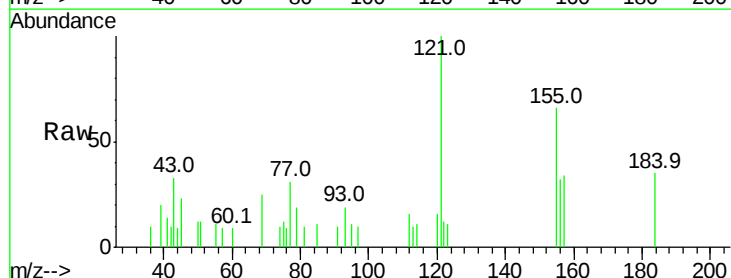
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



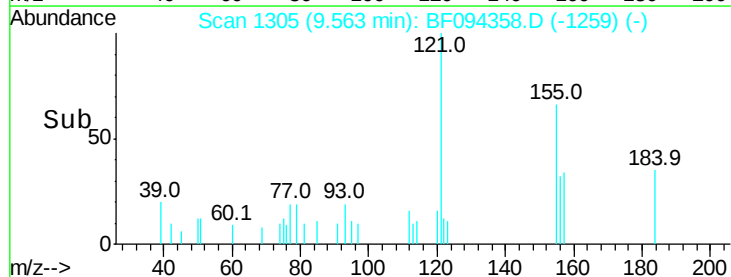
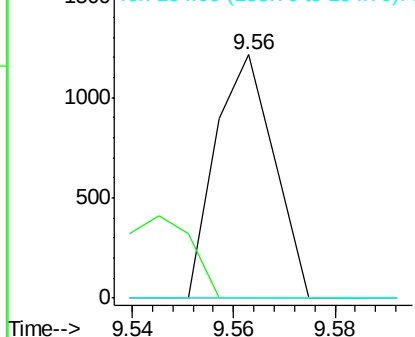
#53
 2,4-Dinitrophenol
 Concen: 5.05 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.03 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

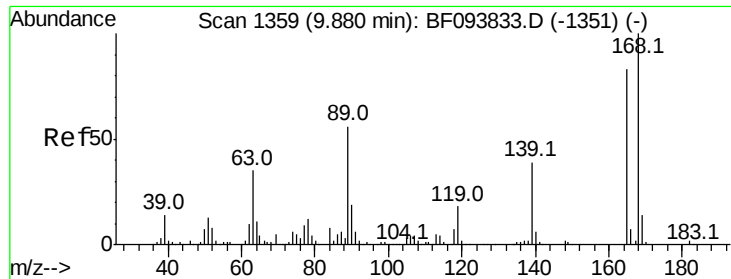
Tgt Ion:184 Resp: 965

Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.7	94.1#
154	0.0	81.1	121.7#



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

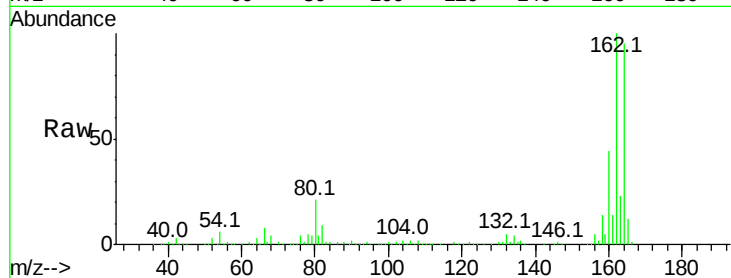




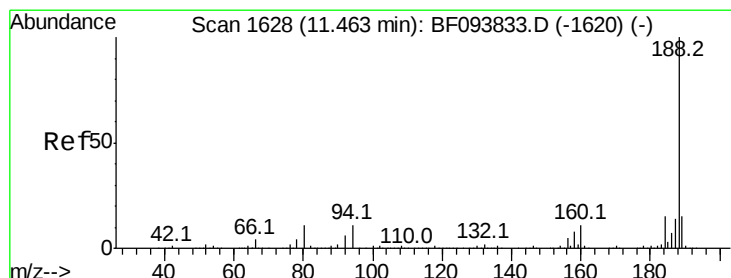
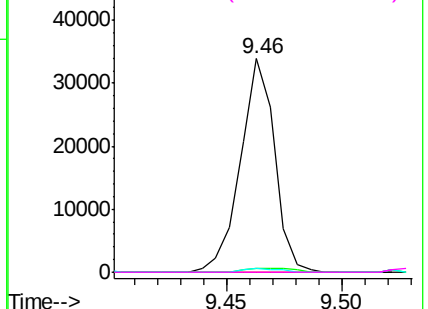
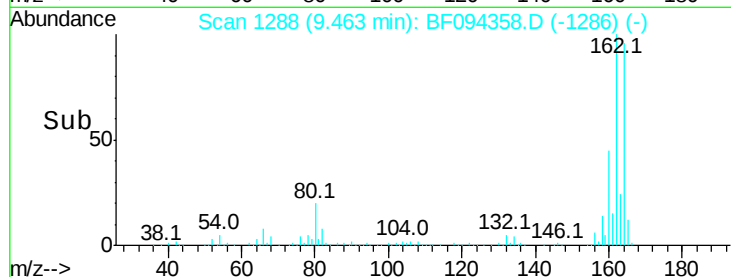
#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.46 min Scan# 1288
 Delta R.T. -0.29 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 34982
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 1.8 46.4 69.6#
 182 0.0 1.8 2.6#

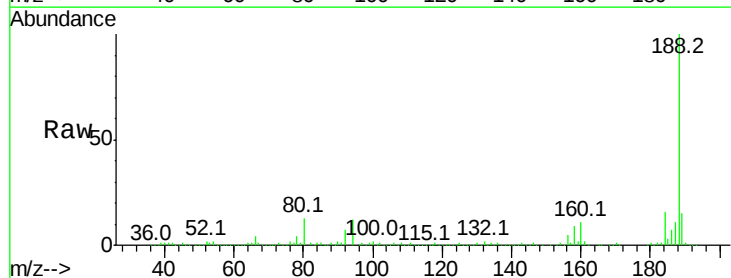


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

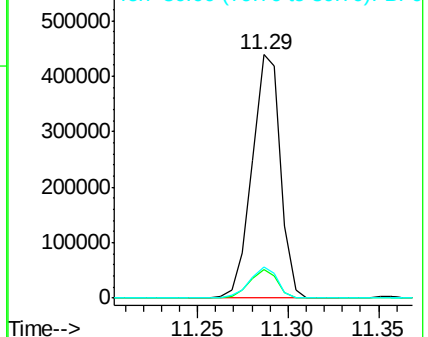
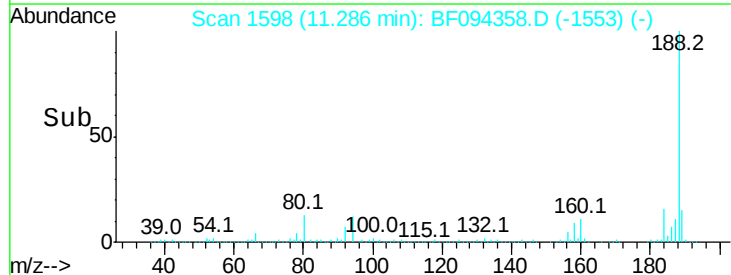


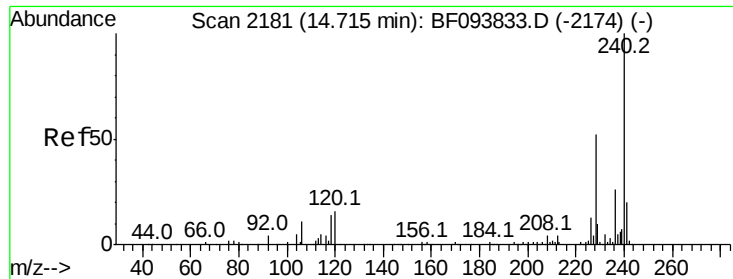
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1598
 Delta R.T. -0.04 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Tgt Ion:188 Resp: 477712
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 12.7 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.54 min Scan# 2151

Delta R.T. -0.04 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

Instrument :

BNA_F

ClientSampleId :

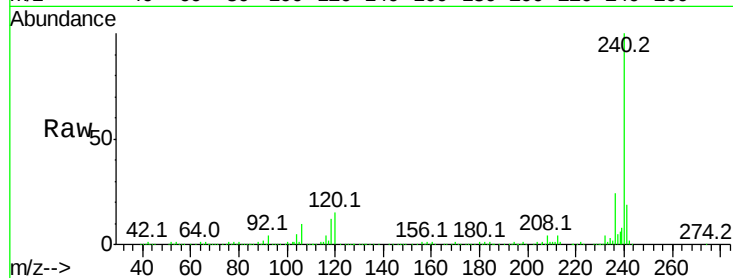
Tot Ion:240 Resp: 374620

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

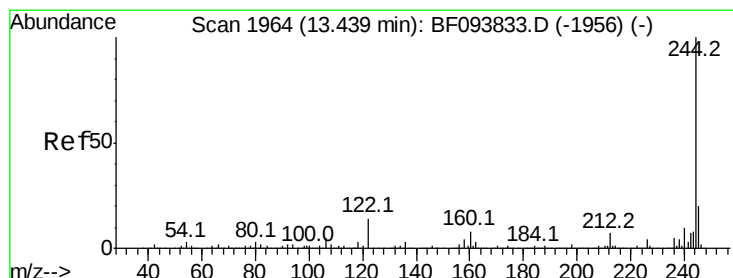
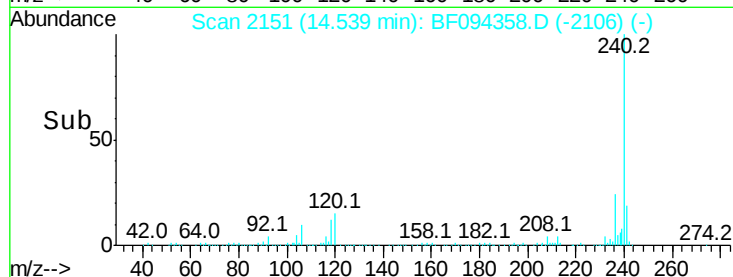
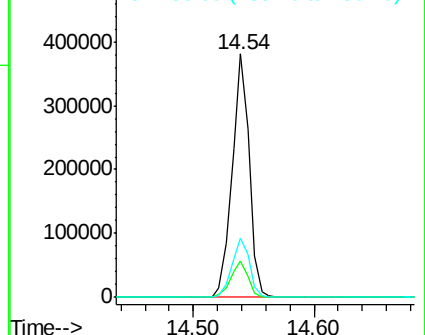
236 24.4 20.5 30.7



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: 68.83 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094358.D

Acq: 11 Apr 2017 18:56

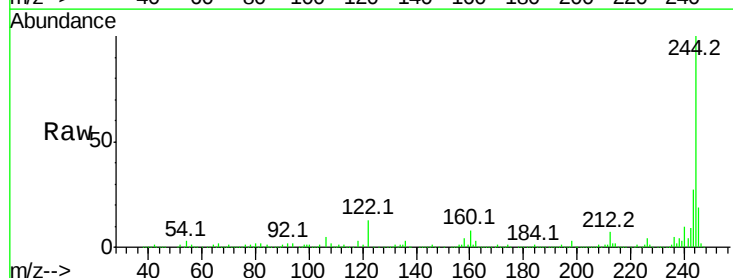
Tgt Ion:244 Resp: 1150387

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

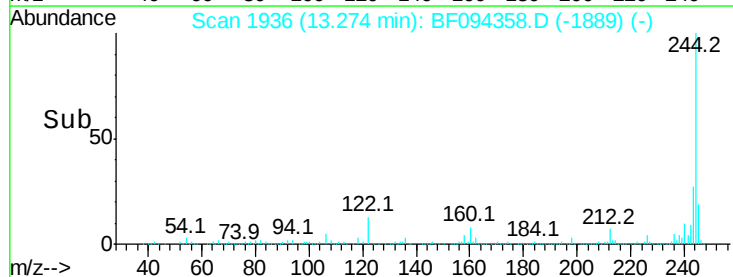
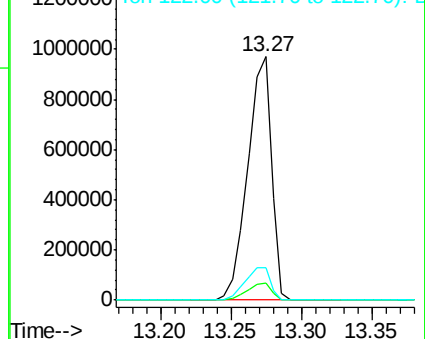
122 13.2 10.3 15.5

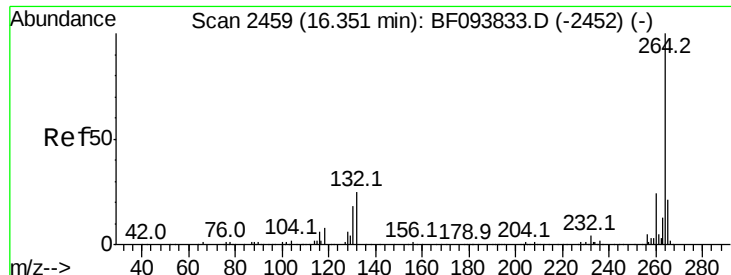


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

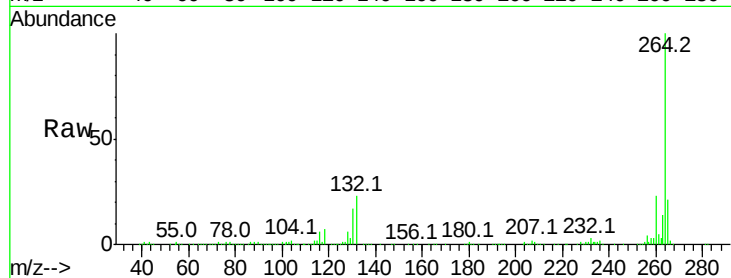




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.17 min Scan# 2428
 Delta R.T. -0.02 min
 Lab File: BF094358.D
 Acq: 11 Apr 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.6	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

