

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033017\
 Data File : BF094082.D
 Acq On : 31 Mar 2017 2:23
 Operator : SJ/MA
 Sample : I2417-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-3(1.5-2)

Quant Time: Mar 31 03:11:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

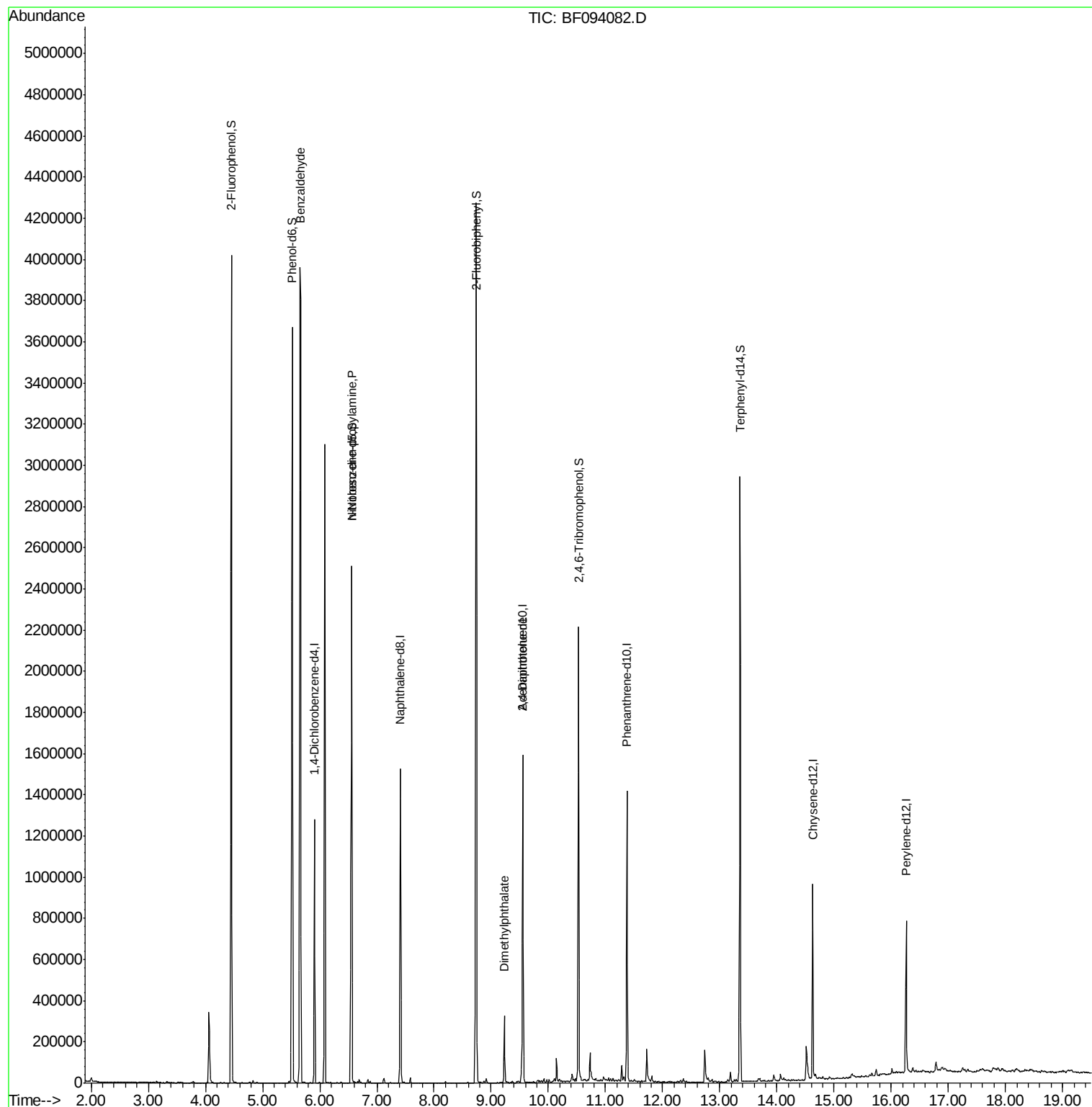
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.91	152	205154	20.00	ng	-0.04
21) Naphthalene-d8	7.41	136	828854	20.00	ng	-0.05
38) Acenaphthene-d10	9.56	164	356514	20.00	ng	-0.04
63) Phenanthrene-d10	11.38	188	567560	20.00	ng	-0.04
75) Chrysene-d12	14.63	240	365467	20.00	ng	-0.05
86) Perylene-d12	16.26	264	316016	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1336608	110.04	ng	-0.02
7) Phenol-d6	5.52	99	1722760	114.65	ng	-0.03
23) Nitrobenzene-d5	6.56	82	1080217	74.38	ng	-0.04
41) 2,4,6-Tribromophenol	10.53	330	312204	110.82	ng	-0.04
44) 2-Fluorobiphenyl	8.74	172	1634776	69.94	ng	-0.04
78) Terphenyl-d14	13.36	244	1010569	61.98	ng	-0.05
Target Compounds						
9) Benzaldehyde	5.66	77	30010	2.96	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	6.56	70	144444	14.96	ng	# 76
49) Dimethylphthalate	9.23	163	151116	5.96	ng	99
56) 2,4-Dinitrotoluene	9.55	165	45242	6.20	ng	# 33

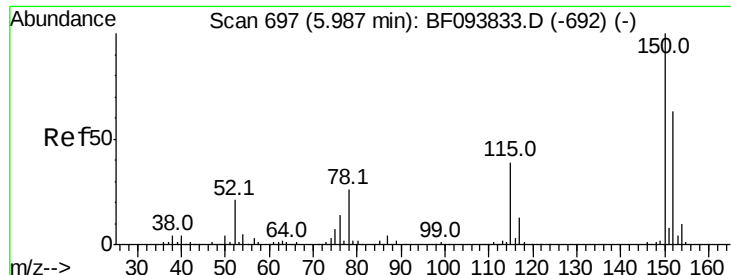
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.91 min Scan# 684

Delta R.T. -0.04 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Instrument :

BNA_F

ClientSampleId :

SW-3(1.5-2)

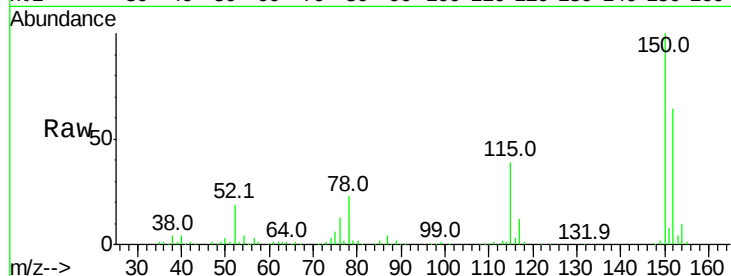
Tot Ion:152 Resp: 205154

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.2

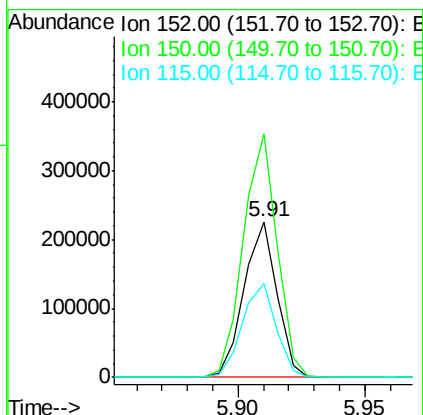
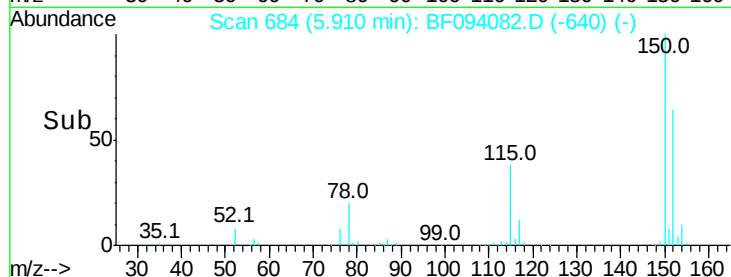
115 60.3 52.2 78.2



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: 110.04 ng

RT: 4.46 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

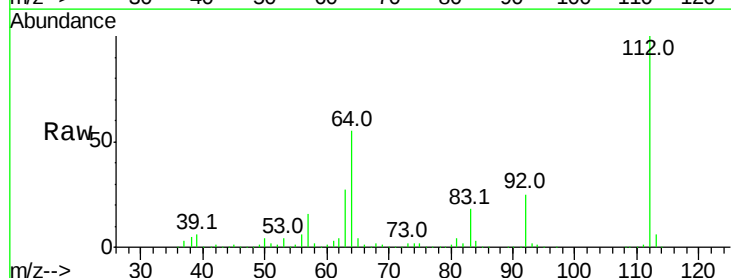
Tgt Ion:112 Resp: 1336608

Ion Ratio Lower Upper

112 100

64 55.2 46.0 69.0

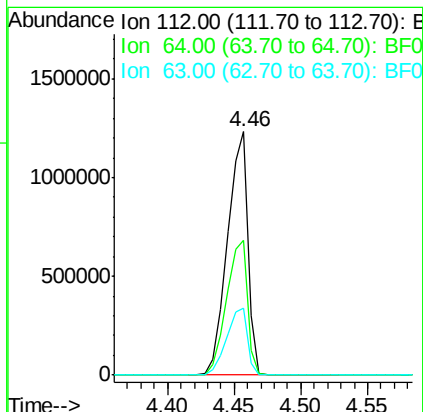
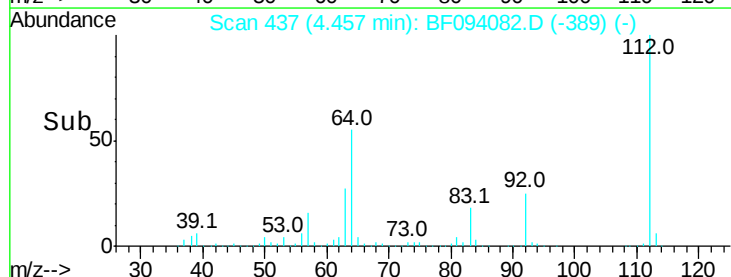
63 27.4 23.4 35.0



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: 114.65 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Instrument :

BNA_F

ClientSampleId :

SW-3(1.5-2)

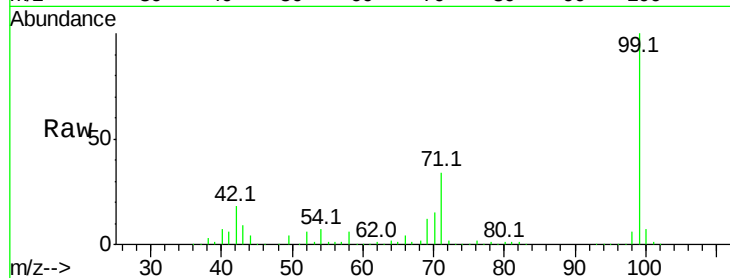
Tot Ion: 99 Resp: 1722760

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

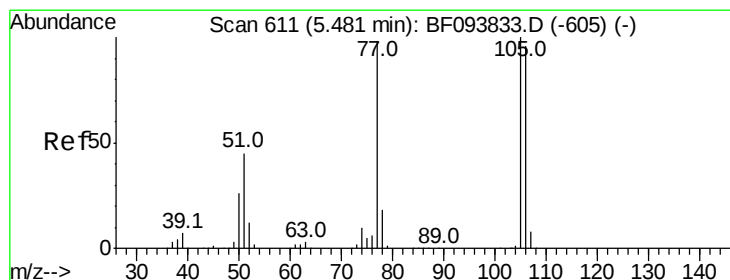
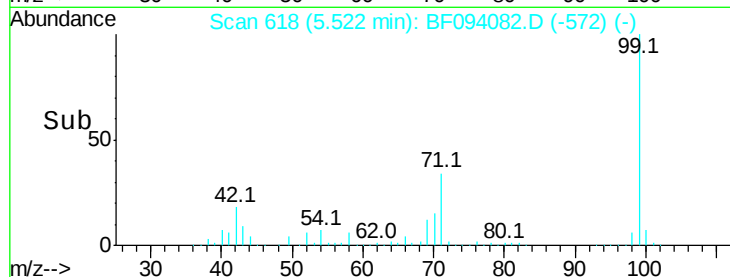
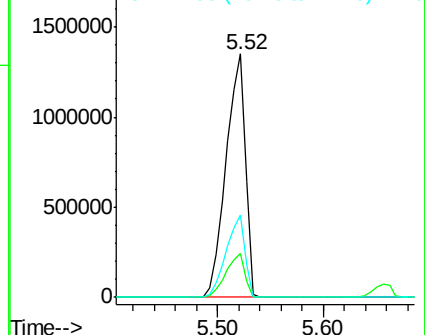
71 33.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.96 ng

RT: 5.66 min Scan# 641

Delta R.T. 0.21 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

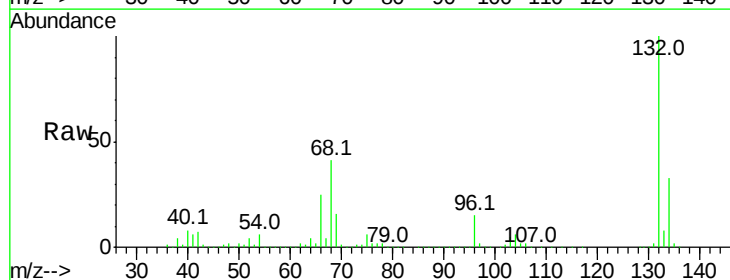
Tgt Ion: 77 Resp: 30010

Ion Ratio Lower Upper

77 100

105 87.8 83.8 123.8

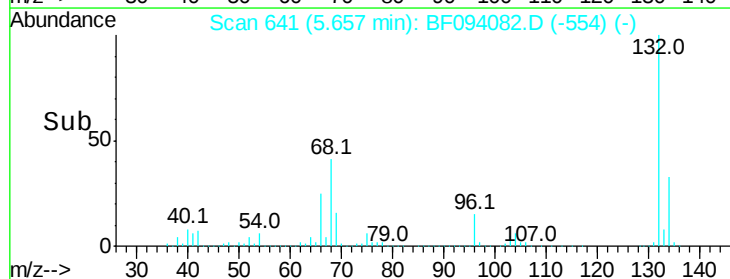
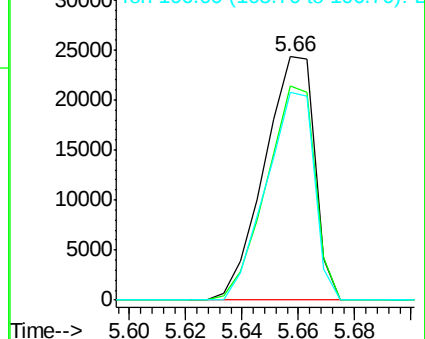
106 85.5 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.96 ng

RT: 6.56 min Scan# 795

Delta R.T. 0.12 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Instrument :

BNA_F

ClientSampleId :

SW-3(1.5-2)

Tot Ion: 70 Resp: 144444

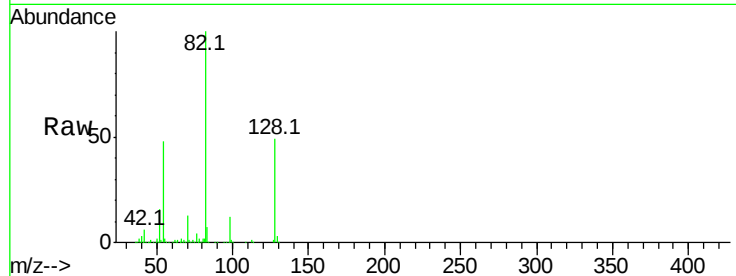
Ion Ratio Lower Upper

70 100

42 45.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

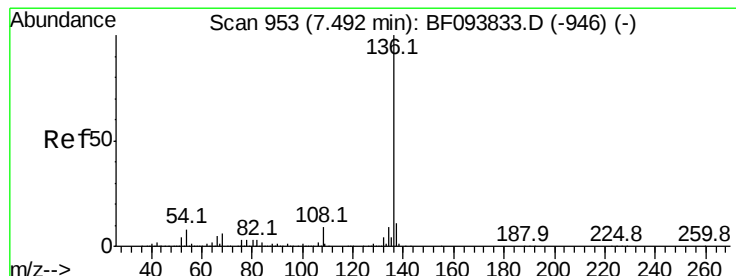
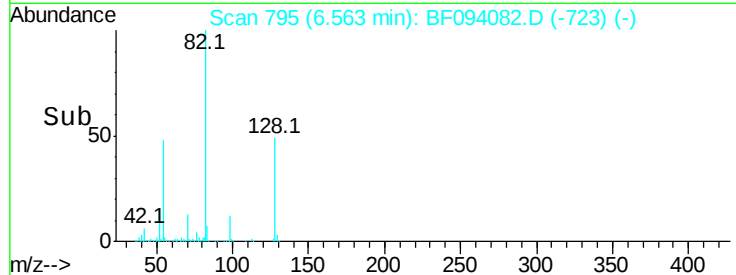
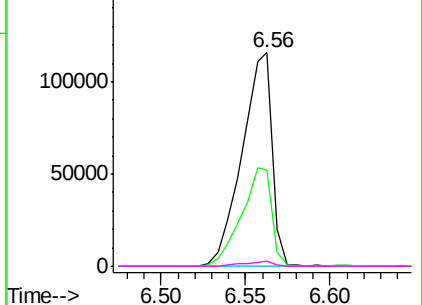


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.41 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Tgt Ion:136 Resp: 828854

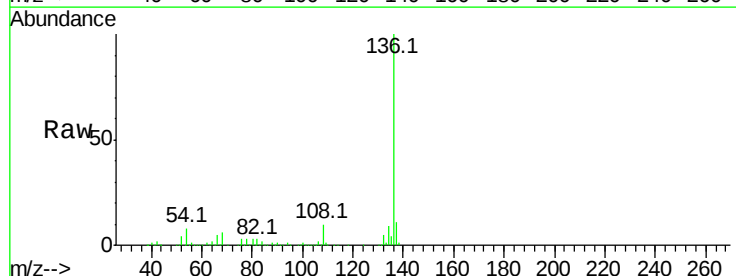
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.8 4.9 7.3#

68 6.3 4.1 6.1#

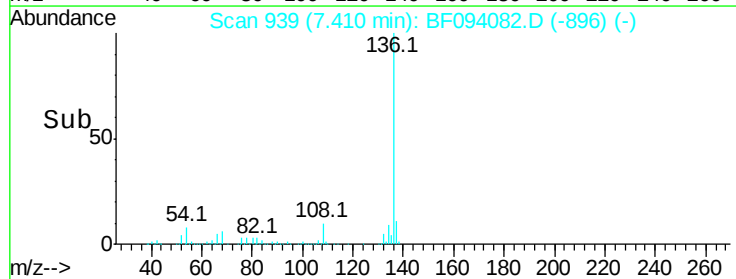
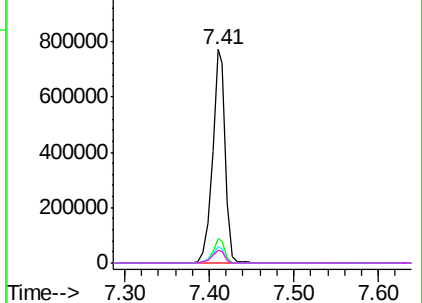


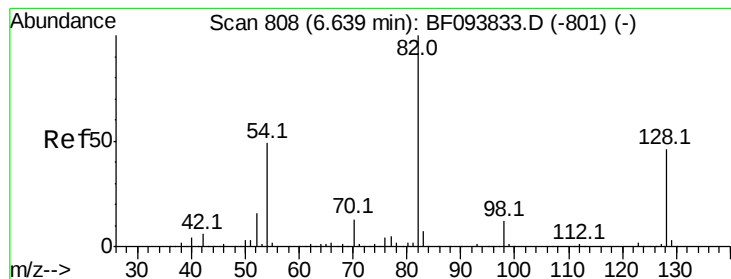
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 74.38 ng

RT: 6.56 min Scan# 795

Delta R.T. -0.04 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Instrument :

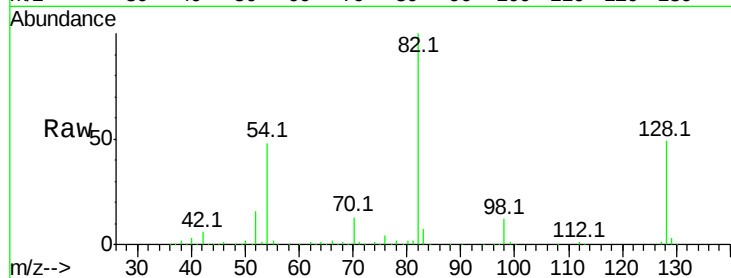
BNA_F

ClientSampleId :

SW-3(1.5-2)

Tot Ion: 82 Resp: 1080217

Ion	Ratio	Lower	Upper
82	100		
128	48.8	34.0	51.0
54	48.4	42.2	63.2

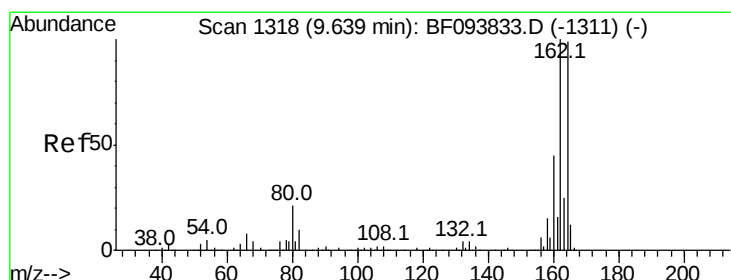
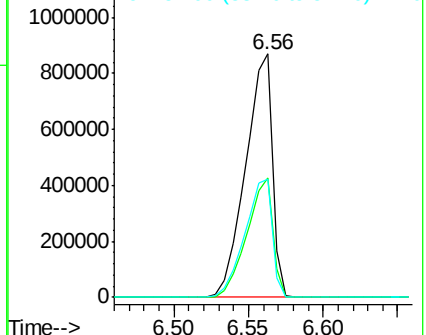
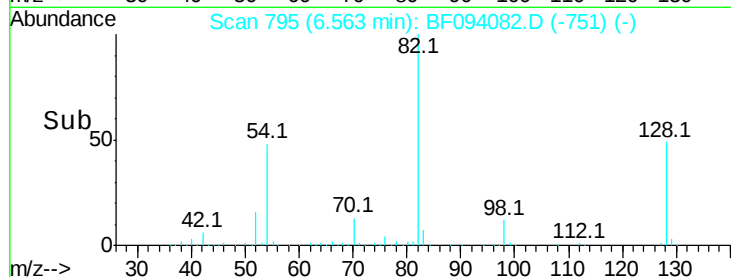


Abundance

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 1304

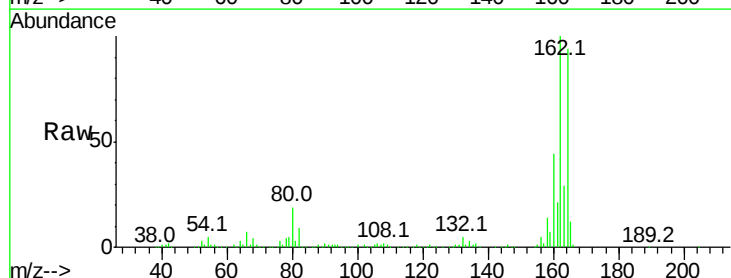
Delta R.T. -0.04 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Tgt Ion:164 Resp: 356514

Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.6	123.8
160	47.2	36.2	54.2

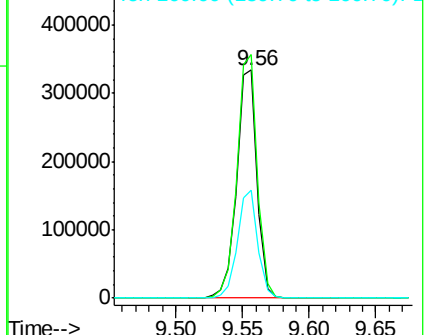
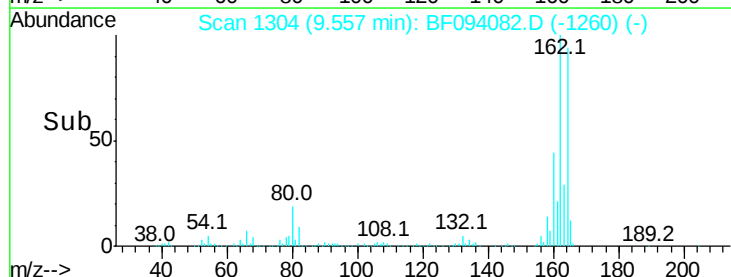


Abundance

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

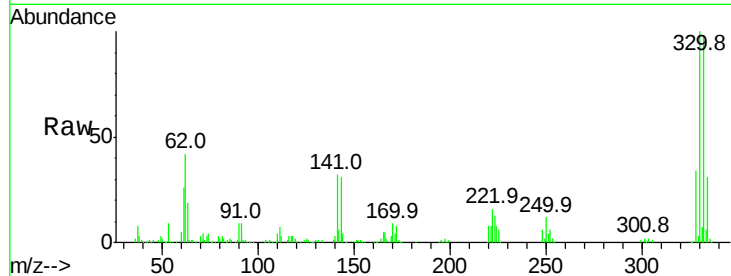




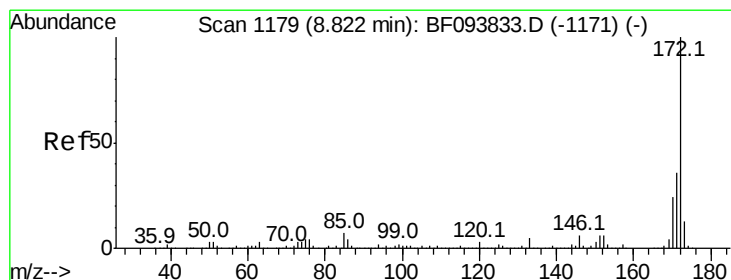
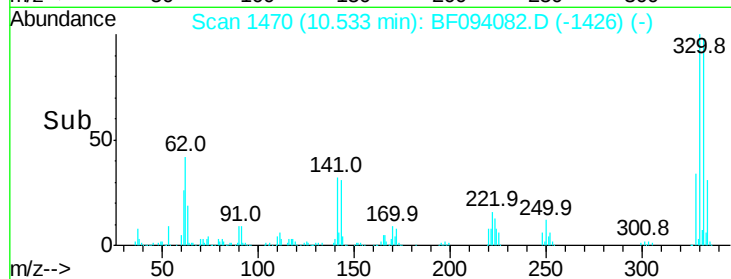
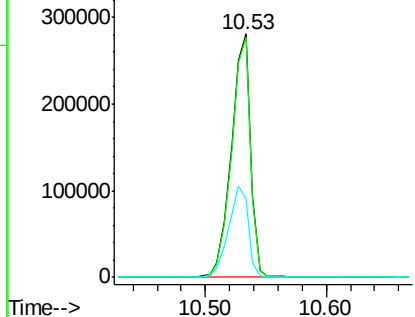
#41
 2,4,6-Tribromophenol
 Concen: 110.82 ng
 RT: 10.53 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: BF094082.D
 Acq: 31 Mar 2017 2:23

Instrument :
 BNA_F
 ClientSampleId :
 SW-3(1.5-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	38.8	31.4	47.2

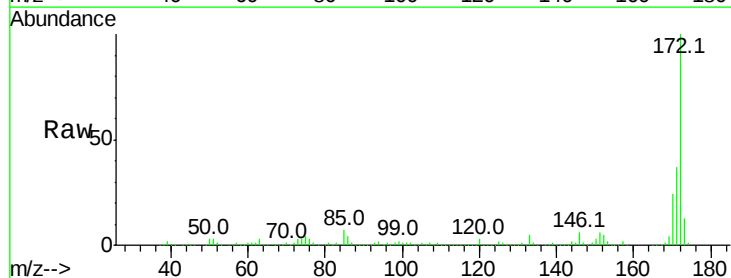


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

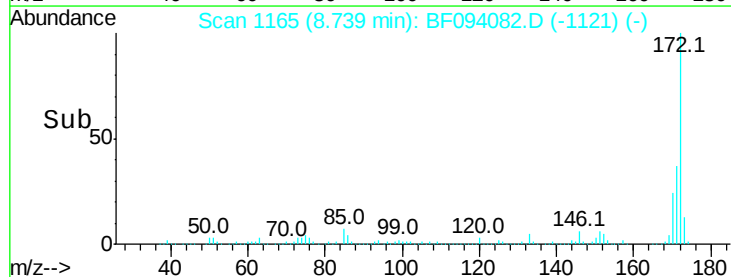
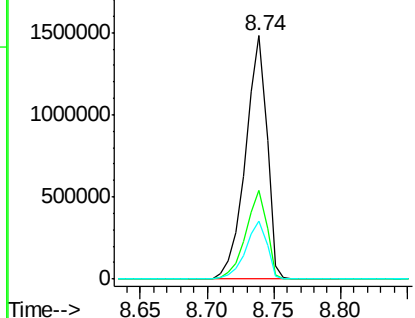


#44
 2-Fluorobiphenyl
 Concen: 69.94 ng
 RT: 8.74 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: BF094082.D
 Acq: 31 Mar 2017 2:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	23.8	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

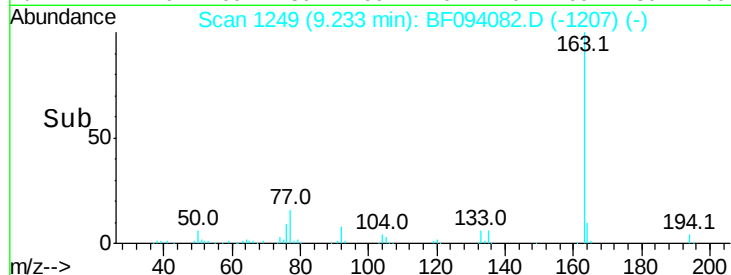
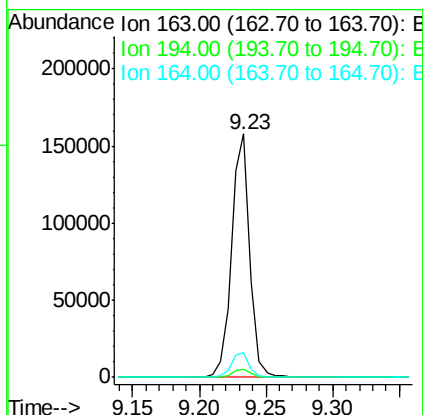
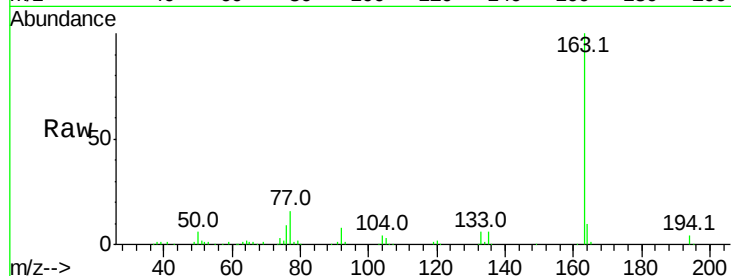




#49
Dimethylphthalate
Concen: 5.96 ng
RT: 9.23 min Scan# 1249
Delta R.T. -0.05 min
Lab File: BF094082.D
Acq: 31 Mar 2017 2:23

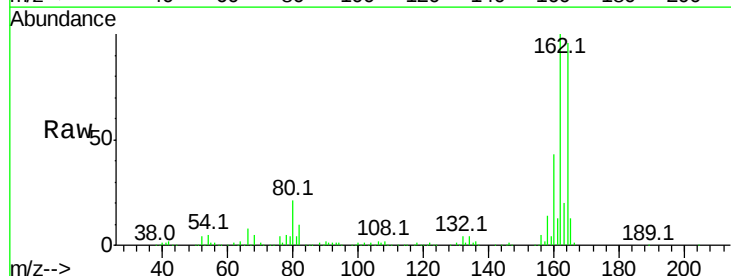
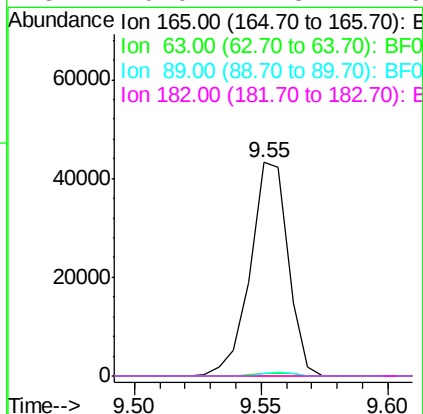
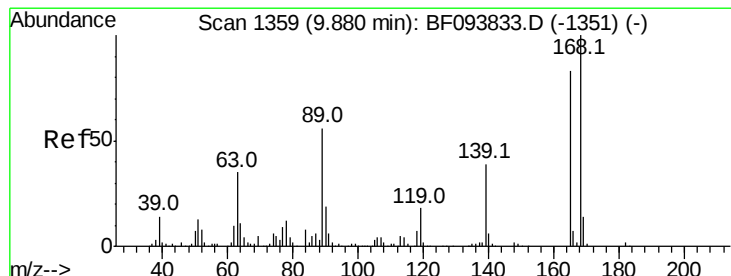
Instrument :
BNA_F
ClientSampleId :
SW-3(1.5-2)

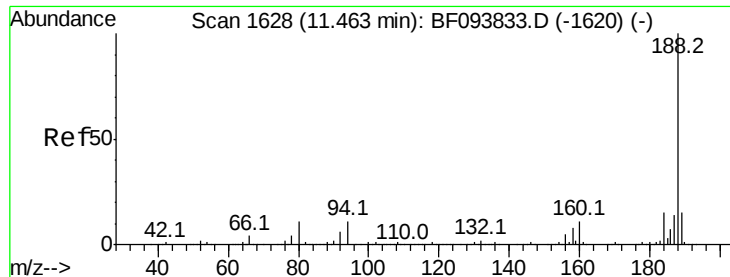
Tot Ion:163 Resp: 151116
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.55 min Scan# 1303
Delta R.T. -0.29 min
Lab File: BF094082.D
Acq: 31 Mar 2017 2:23

Tgt Ion:165 Resp: 45242
Ion Ratio Lower Upper
165 100
63 1.5 25.4 38.0#
89 1.3 46.4 69.6#
182 0.0 1.8 2.6#

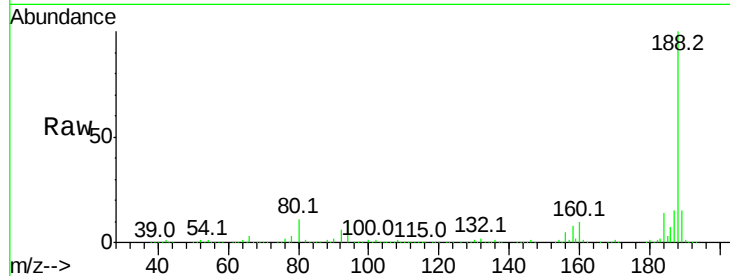




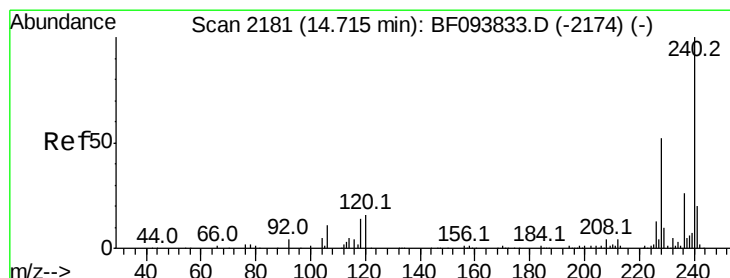
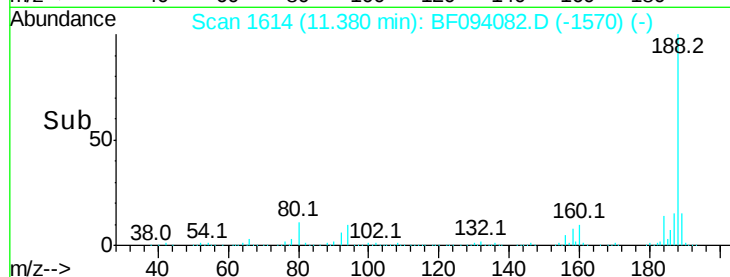
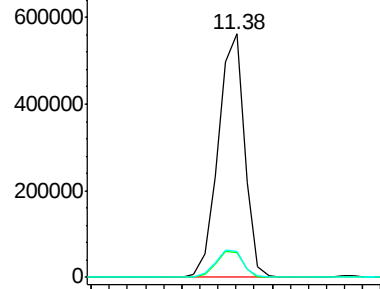
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.04 min
Lab File: BF094082.D
Acq: 31 Mar 2017 2:23

Instrument :
BNA_F
ClientSampleId :
SW-3(1.5-2)

Tot Ion:188 Resp: 567560
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 10.7 10.2 15.2

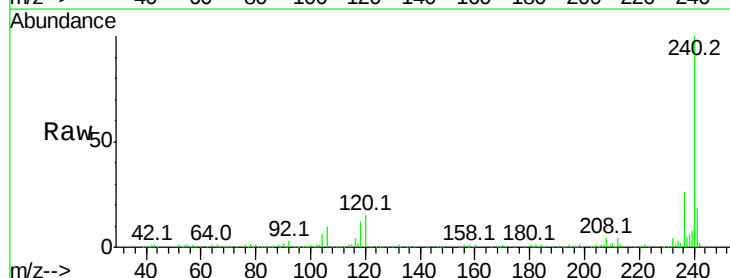


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

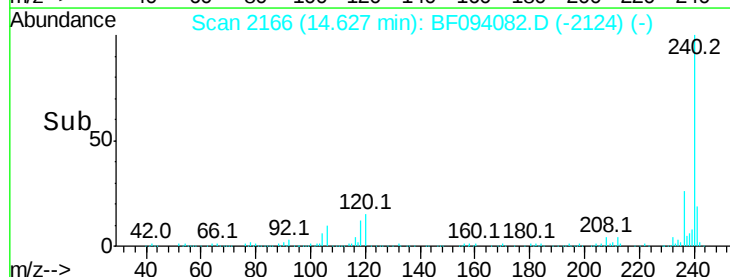
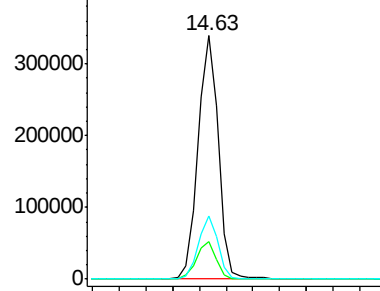


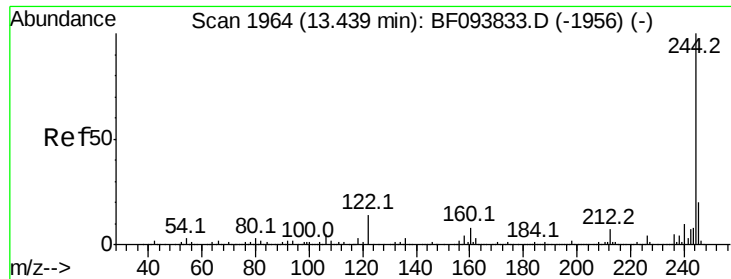
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.63 min Scan# 2166
Delta R.T. -0.05 min
Lab File: BF094082.D
Acq: 31 Mar 2017 2:23

Tgt Ion:240 Resp: 365467
Ion Ratio Lower Upper
240 100
120 15.2 5.8 8.8#
236 25.8 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: 61.98 ng

RT: 13.36 min Scan# 1950

Delta R.T. -0.05 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

Instrument :

BNA_F

ClientSampleId :

SW-3(1.5-2)

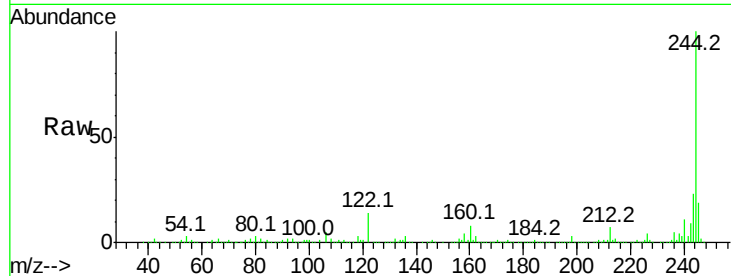
Tot Ion:244 Resp: 1010569

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

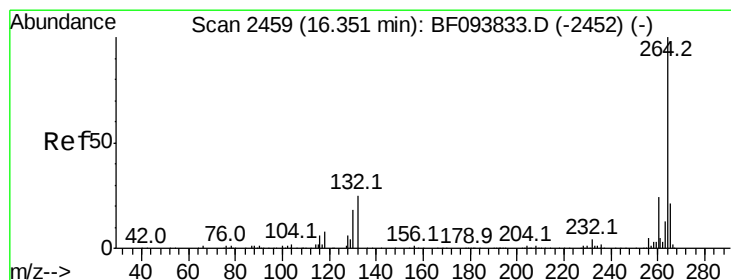
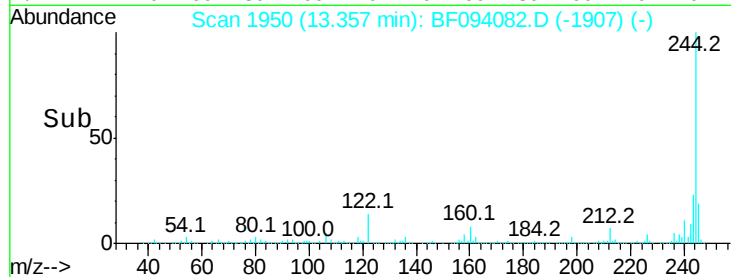
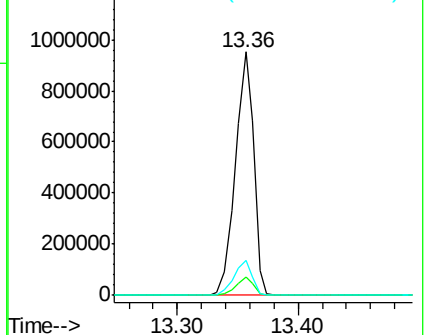
122 14.4 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 2444

Delta R.T. -0.05 min

Lab File: BF094082.D

Acq: 31 Mar 2017 2:23

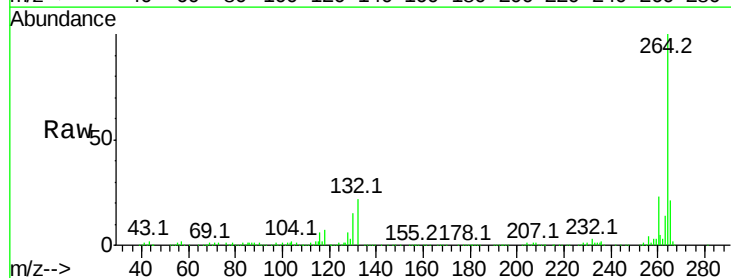
Tgt Ion:264 Resp: 316016

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 20.8 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

