

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094246.D
 Acq On : 7 Apr 2017 1:52
 Operator : SJ/MA
 Sample : I2527-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DSN001

Quant Time: Apr 07 03:05:31 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

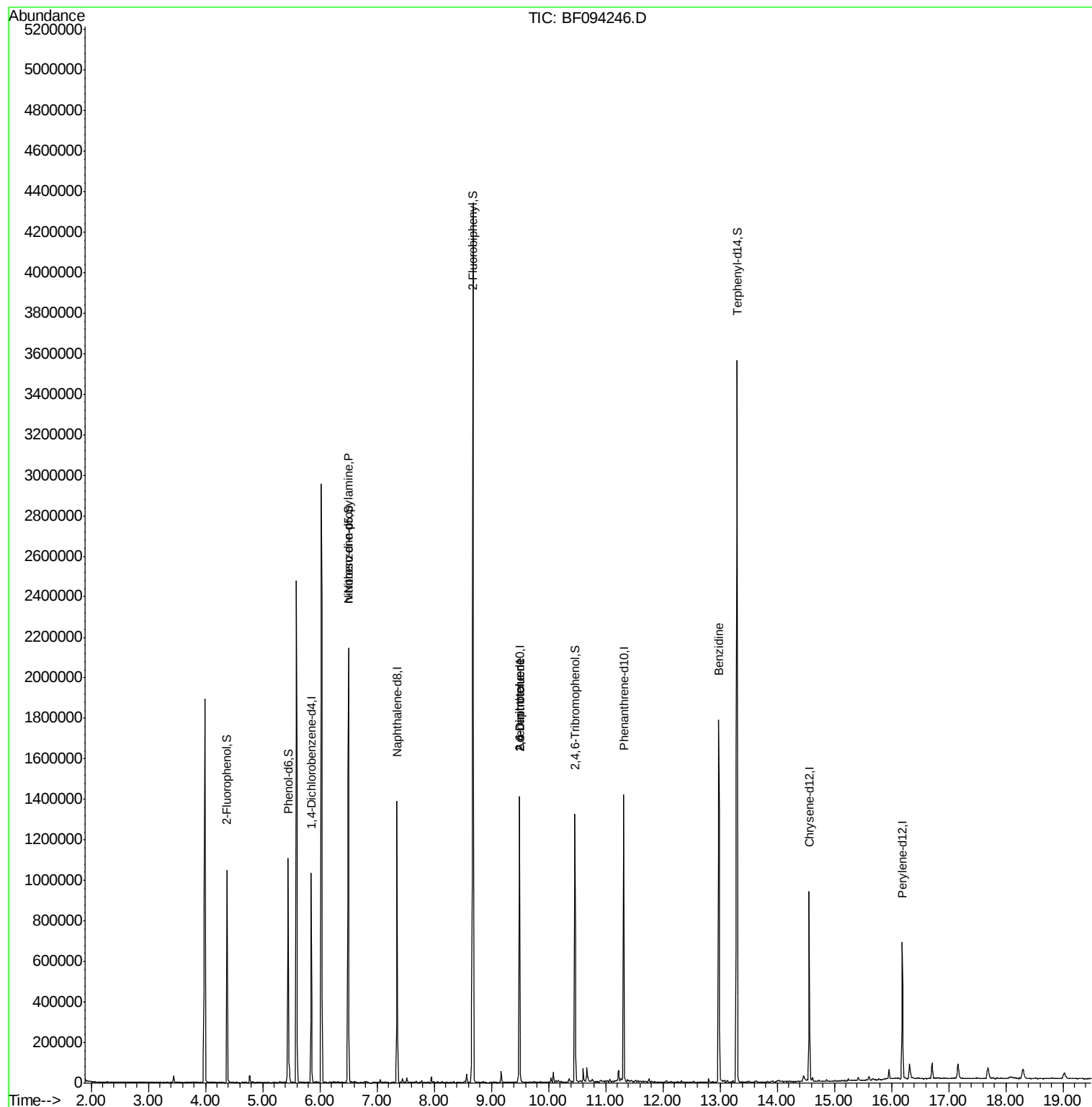
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	165911	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	689181	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	318591	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	541304	20.00	ng	0.00
75) Chrysene-d12	14.56	240	354855	20.00	ng	-0.01
86) Perylene-d12	16.19	264	272920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	316515	32.22	ng	-0.01
7) Phenol-d6	5.45	99	378308	31.13	ng	-0.02
23) Nitrobenzene-d5	6.50	82	902912	74.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	155020	61.58	ng	-0.01
44) 2-Fluorobiphenyl	8.68	172	1679969	80.43	ng	0.00
78) Terphenyl-d14	13.30	244	1385937	87.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.50	70	119003	15.24	ng	# 81
50) 2,6-Dinitrotoluene	9.49	165	40160	7.74	ng	# 33
56) 2,4-Dinitrotoluene	9.49	165	40159	6.16	ng	# 33
76) Benzidine	12.98	184	742381	52.86	ng	# 94

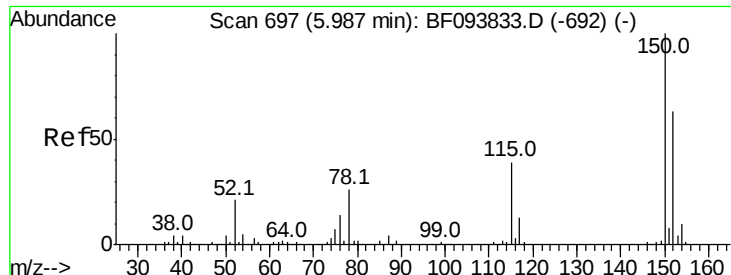
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094246.D

Acq: 7 Apr 2017 1:52

Instrument :

BNA_F

ClientSampleId :

DSN001

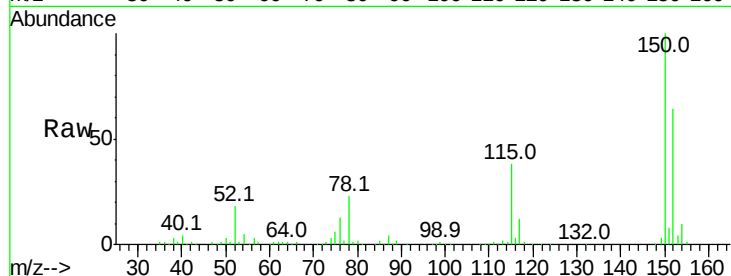
Tot Ion:152 Resp: 165911

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

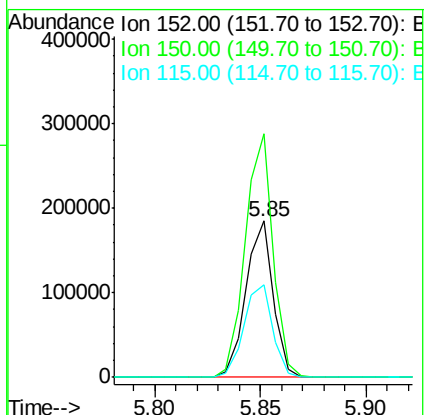
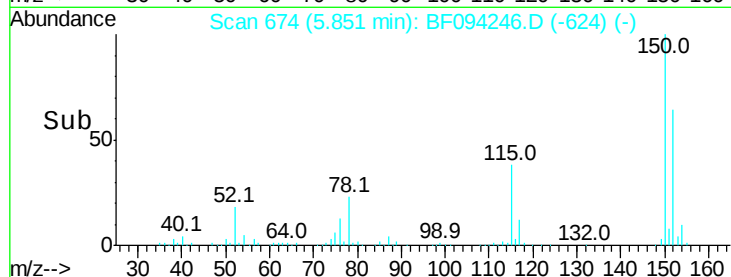
115 59.5 52.2 78.2



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: 32.22 ng

RT: 4.37 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF094246.D

Acq: 7 Apr 2017 1:52

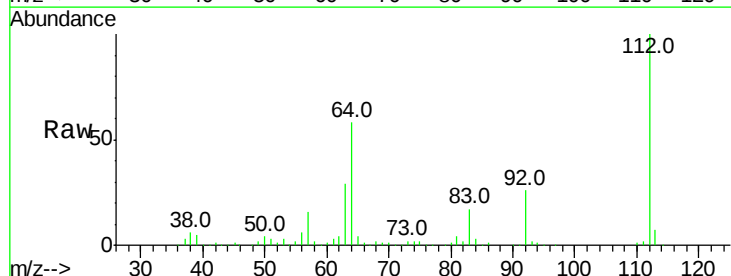
Tgt Ion:112 Resp: 316515

Ion Ratio Lower Upper

112 100

64 57.9 46.0 69.0

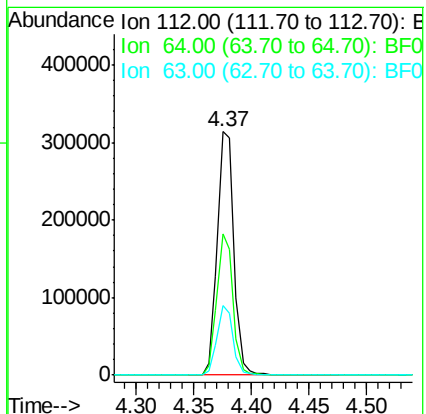
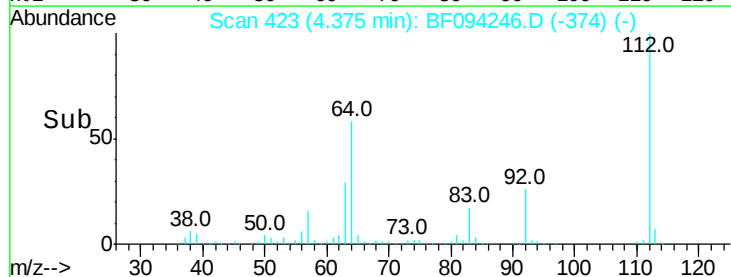
63 28.5 23.4 35.0

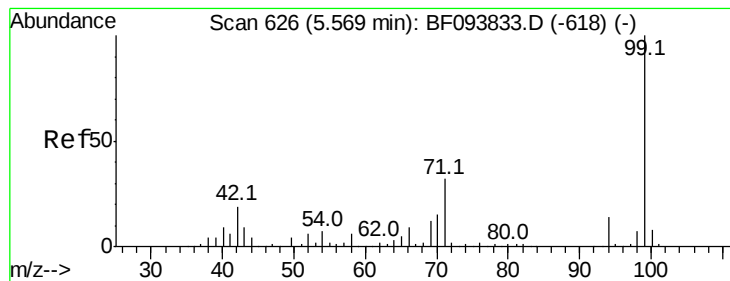


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.13 ng

RT: 5.45 min Scan# 605

Delta R.T. -0.02 min

Lab File: BF094246.D

Acq: 7 Apr 2017 1:52

Instrument :

BNA_F

ClientSampled :

DSN001

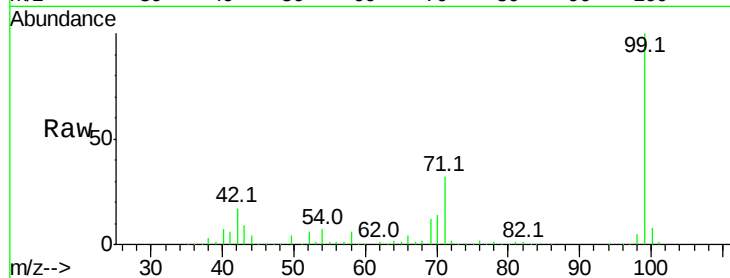
Tot Ion: 99 Resp: 378308

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

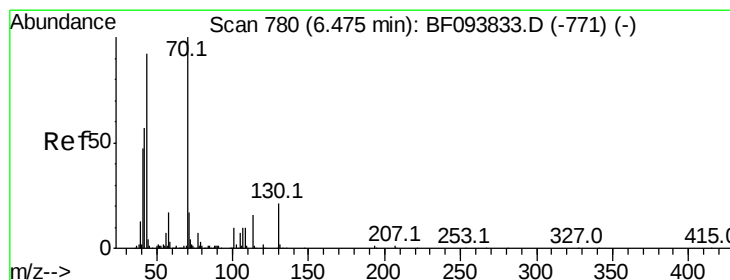
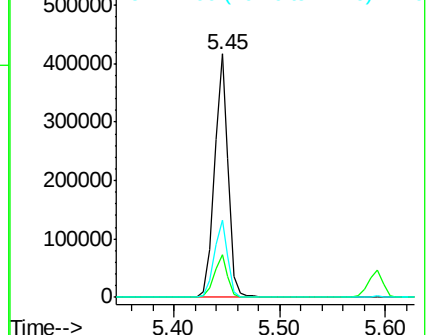
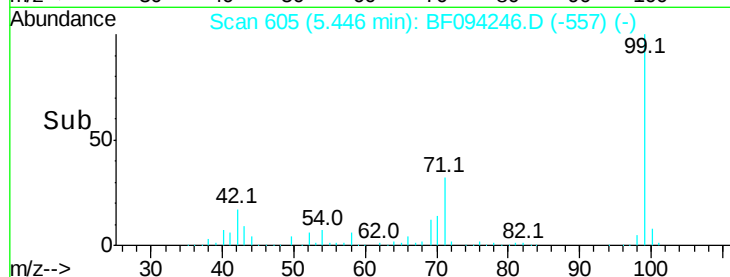
71 31.6 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.24 ng

RT: 6.50 min Scan# 784

Delta R.T. 0.15 min

Lab File: BF094246.D

Acq: 7 Apr 2017 1:52

Tgt Ion: 70 Resp: 119003

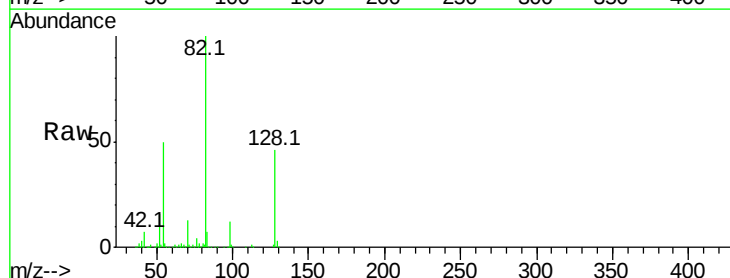
Ion Ratio Lower Upper

70 100

42 50.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

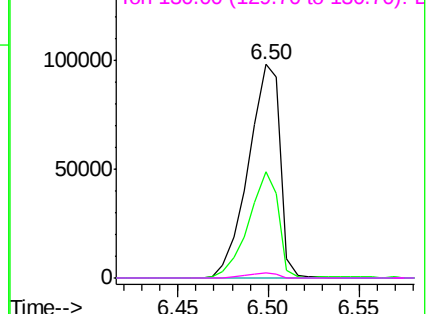
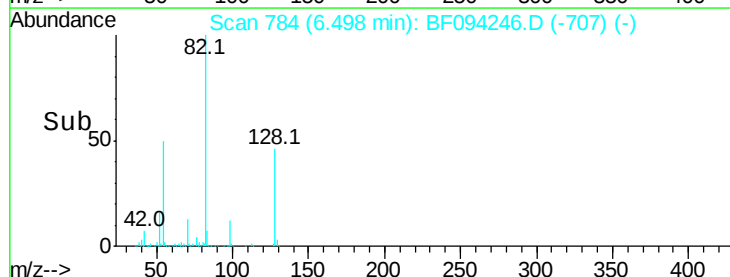


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.35 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF094246.D

Acq: 7 Apr 2017 1:52

Instrument :

BNA_F

ClientSampleId :

DSN001

Tot Ion:136 Resp: 689181

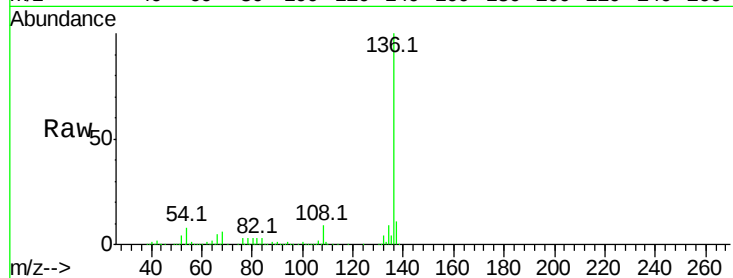
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.8 4.9 7.3#

68 6.2 4.1 6.1#

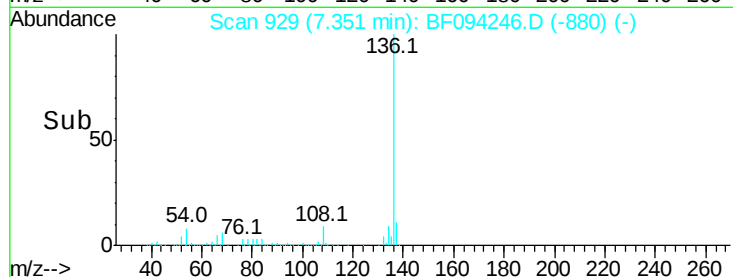


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

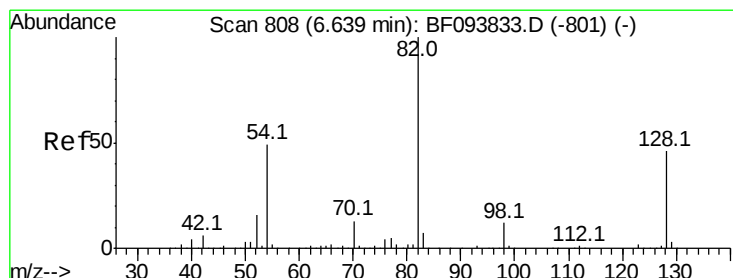
Ion 68.00 (67.70 to 68.70): BF0



Abundance

7.35

Time-->



#23

Nitrobenzene-d5

Concen: 74.77 ng

RT: 6.50 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF094246.D

Acq: 7 Apr 2017 1:52

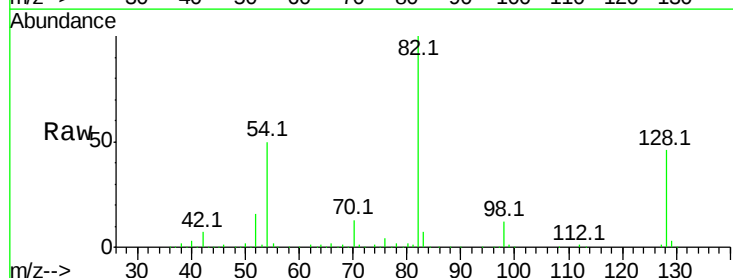
Tgt Ion: 82 Resp: 902912

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

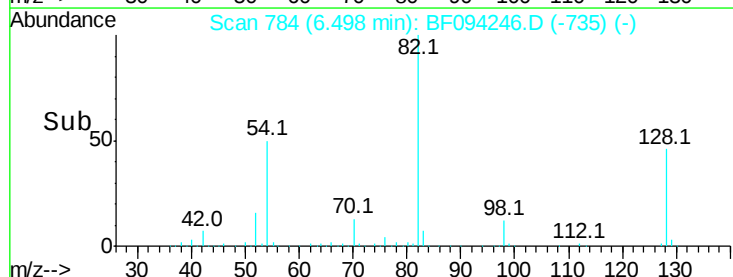
54 49.6 42.2 63.2



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



Abundance

6.50

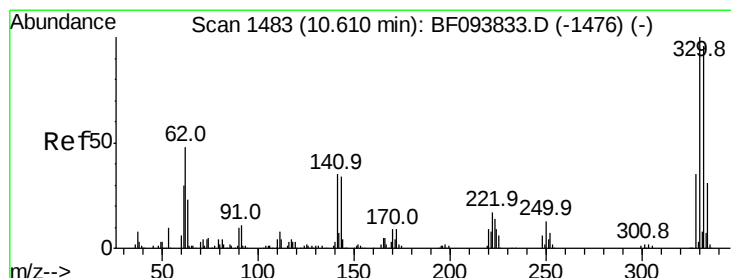
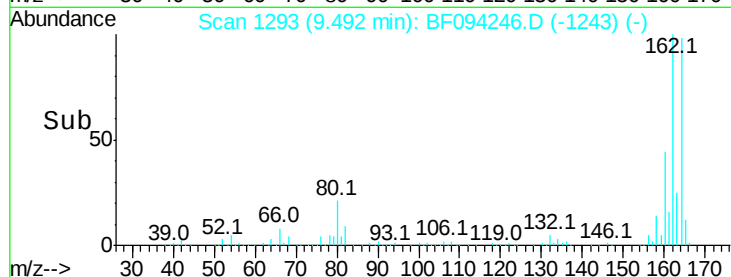
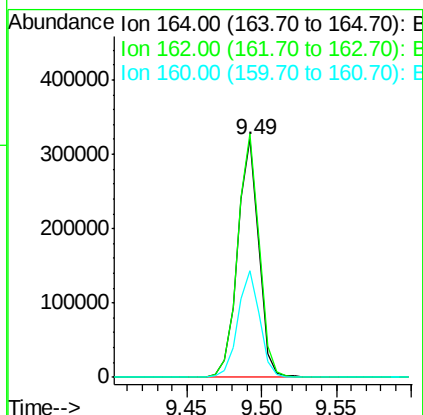
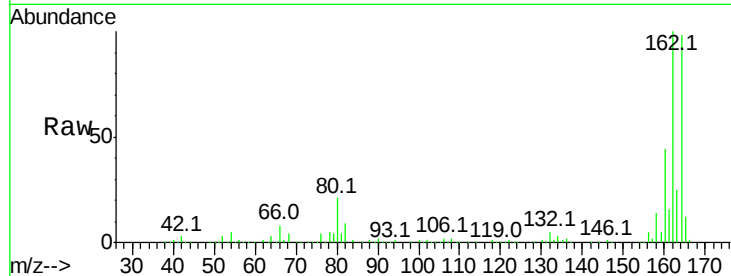
Time-->



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

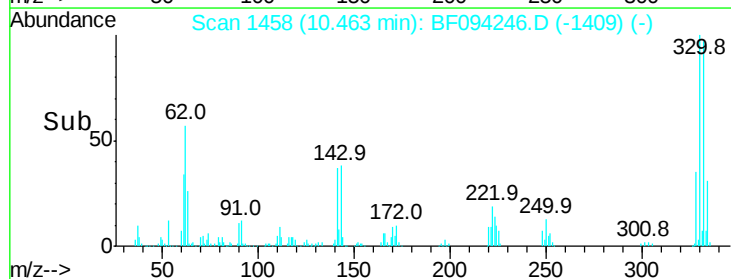
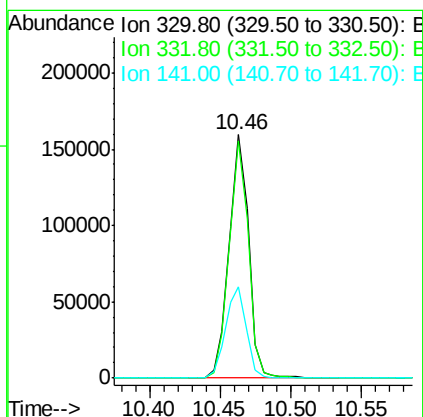
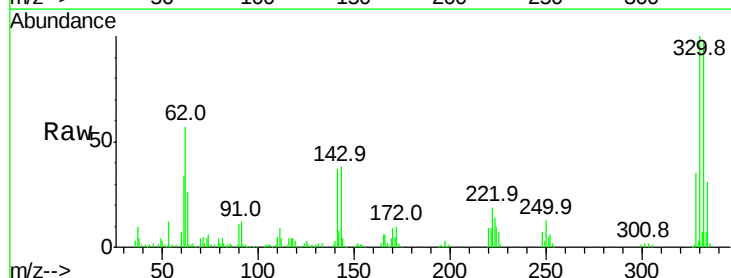
Instrument :
 BNA_F
 ClientSampleId :
 DSN001

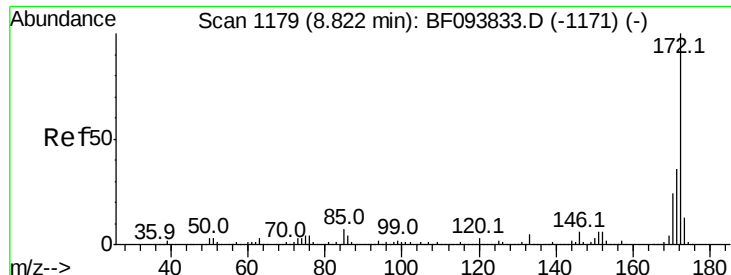
Tot Ion:164 Resp: 318591
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 123.8
 160 44.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 61.58 ng
 RT: 10.46 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

Tgt Ion:330 Resp: 155020
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 39.6 31.4 47.2



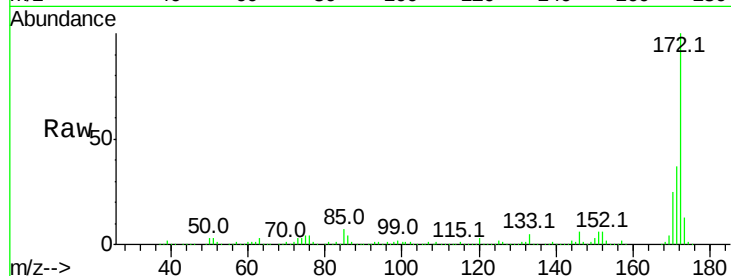


#44
 2-Fluorobiphenyl
 Concen: 80.43 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

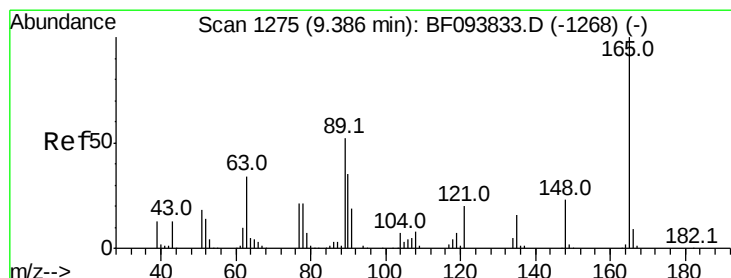
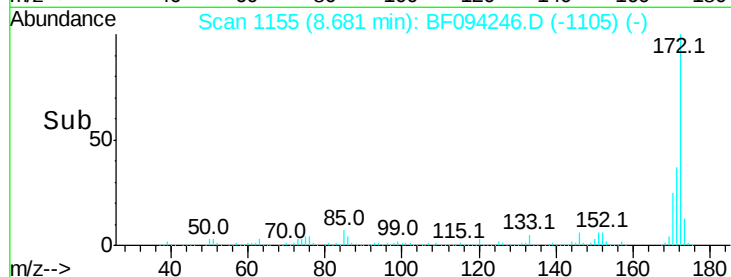
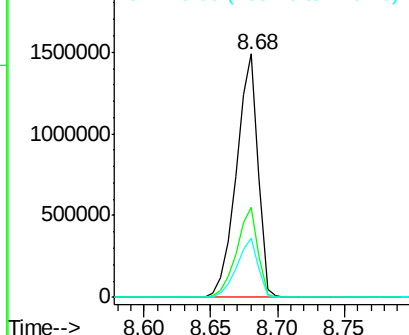
Instrument :
 BNA_F
 ClientSampleId :
 DSN001

Tot Ion:172 Resp: 1679969

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.5	19.8	29.8



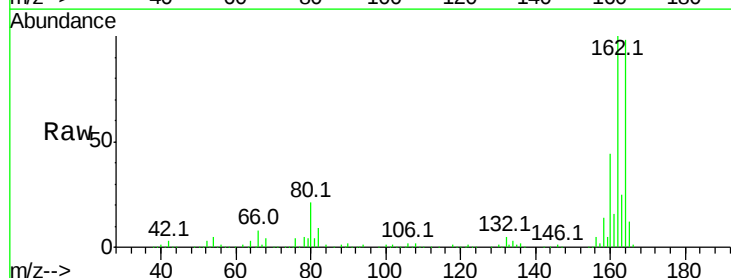
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



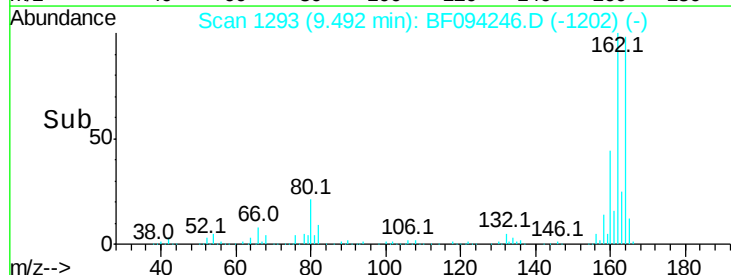
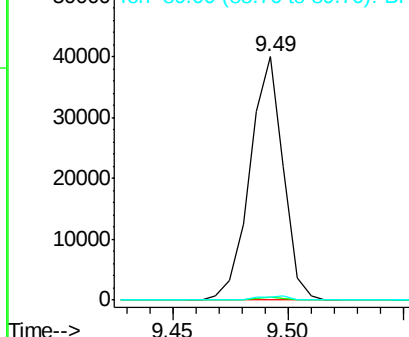
#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. 0.24 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

Tgt Ion:165 Resp: 40160

Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.2	37.1	55.7#



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

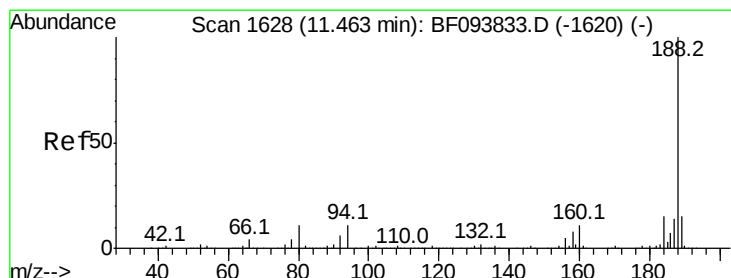
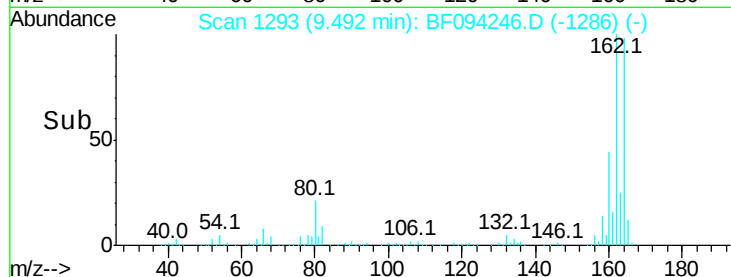
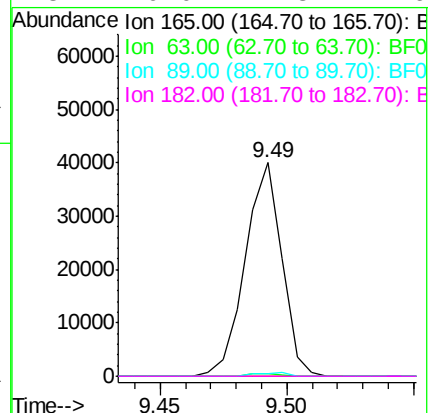
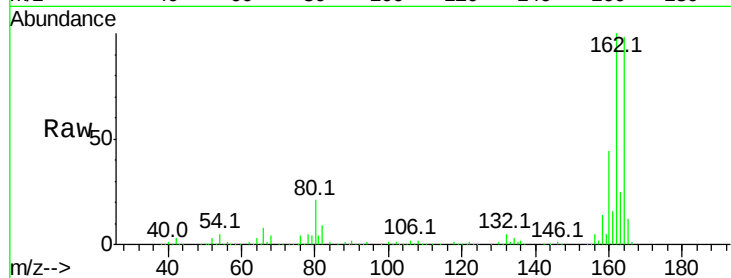




#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.26 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

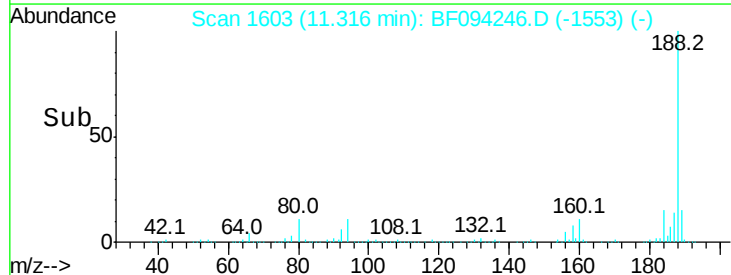
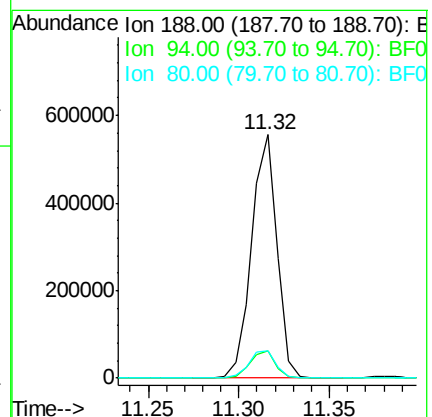
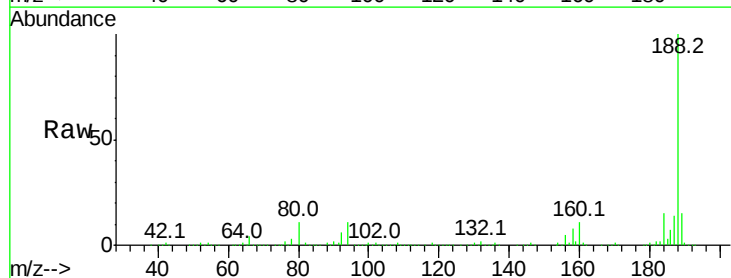
Instrument :
 BNA_F
 ClientSampleId :
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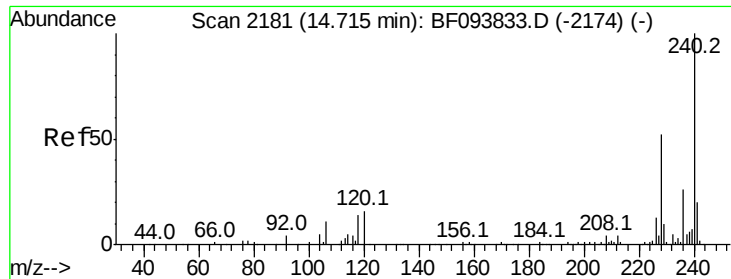
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.1	10.2	15.2

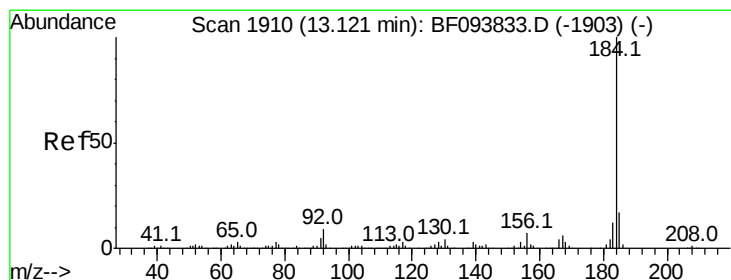
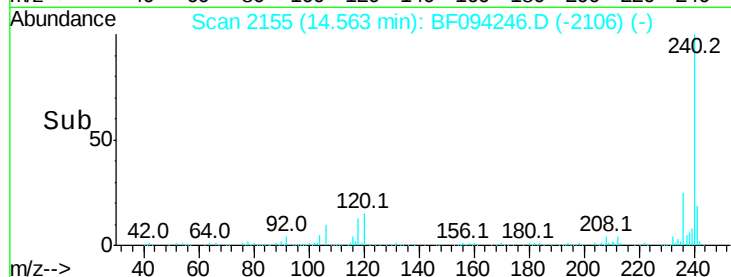
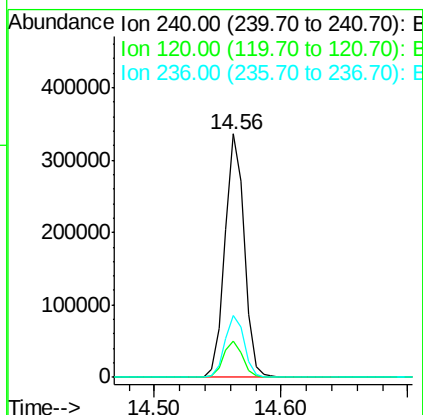
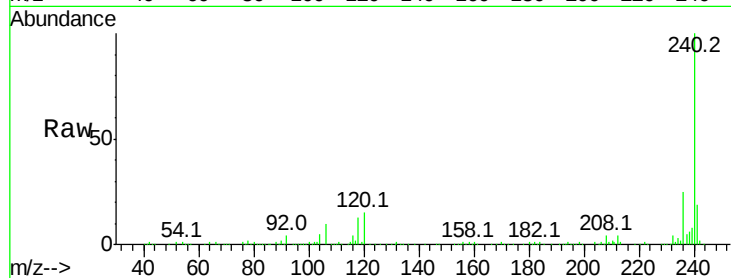




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

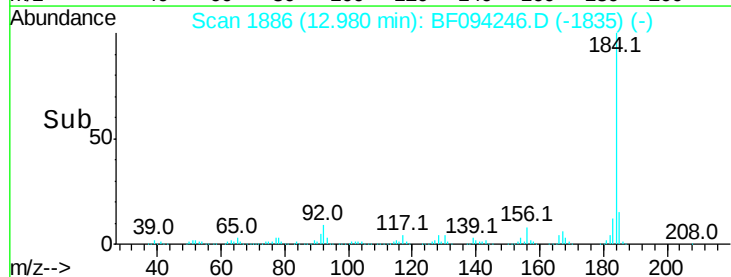
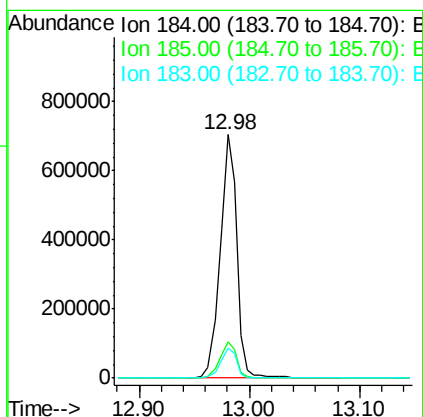
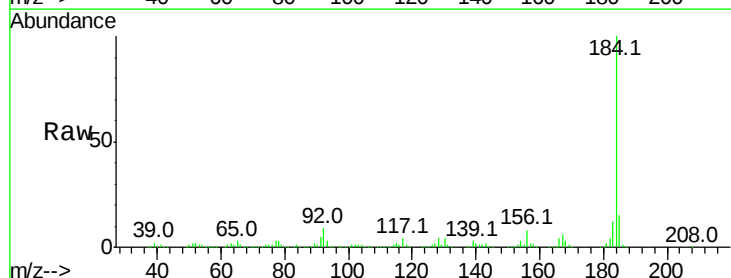
Instrument :
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 ClientSampleId :
 DSN001

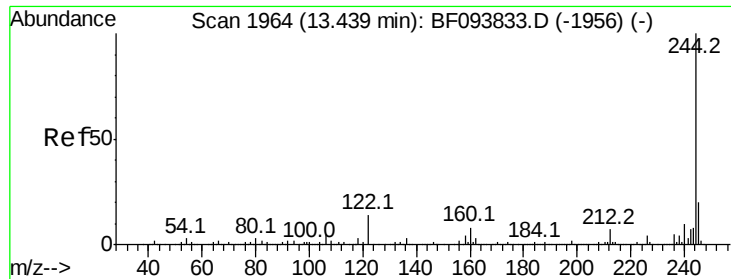
Tot Ion:240 Resp: 354855
 Ion Ratio Lower Upper
 240 100
 120 14.9 5.8 8.8#
 236 25.3 20.5 30.7



#76
 Benzidine
 Concen: 52.86 ng
 RT: 12.98 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

Tgt Ion:184 Resp: 742381
 Ion Ratio Lower Upper
 184 100
 185 14.9 15.5 23.3#
 183 12.5 9.8 14.6



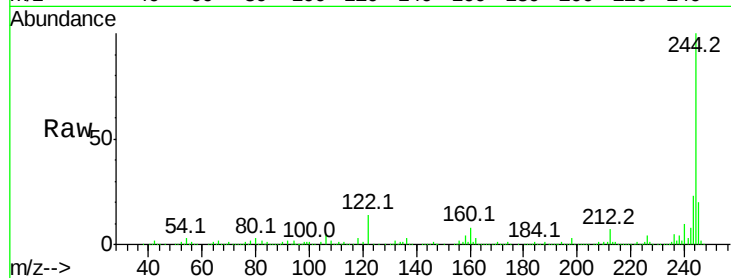


#78
 Terphenyl-d14
 Concen: 87.54 ng
 RT: 13.30 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

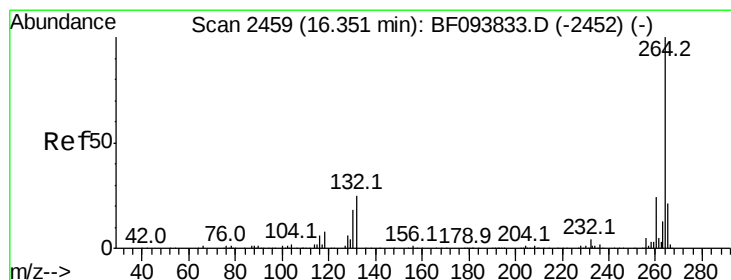
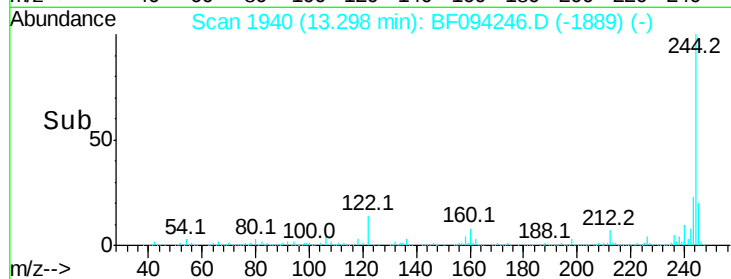
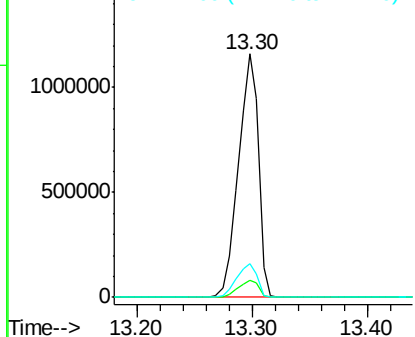
Instrument :
 BNA_F
 ClientSampleId :
 DSN001

Tot Ion:244 Resp: 1385937

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.9	10.3	15.5



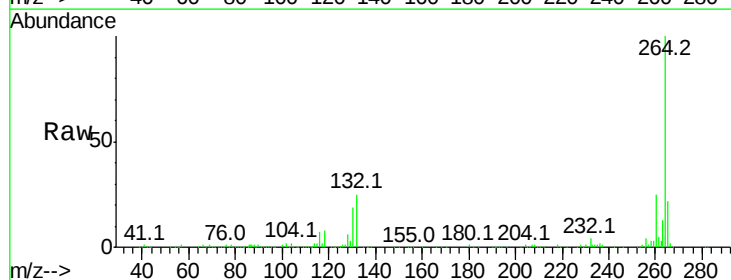
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.19 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BF094246.D
 Acq: 7 Apr 2017 1:52

Tgt Ion:264 Resp: 272920

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.1	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

