

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094002.D
 Acq On : 28 Mar 2017 19:40
 Operator : SJ/MA
 Sample : PB97860BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:37:50 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

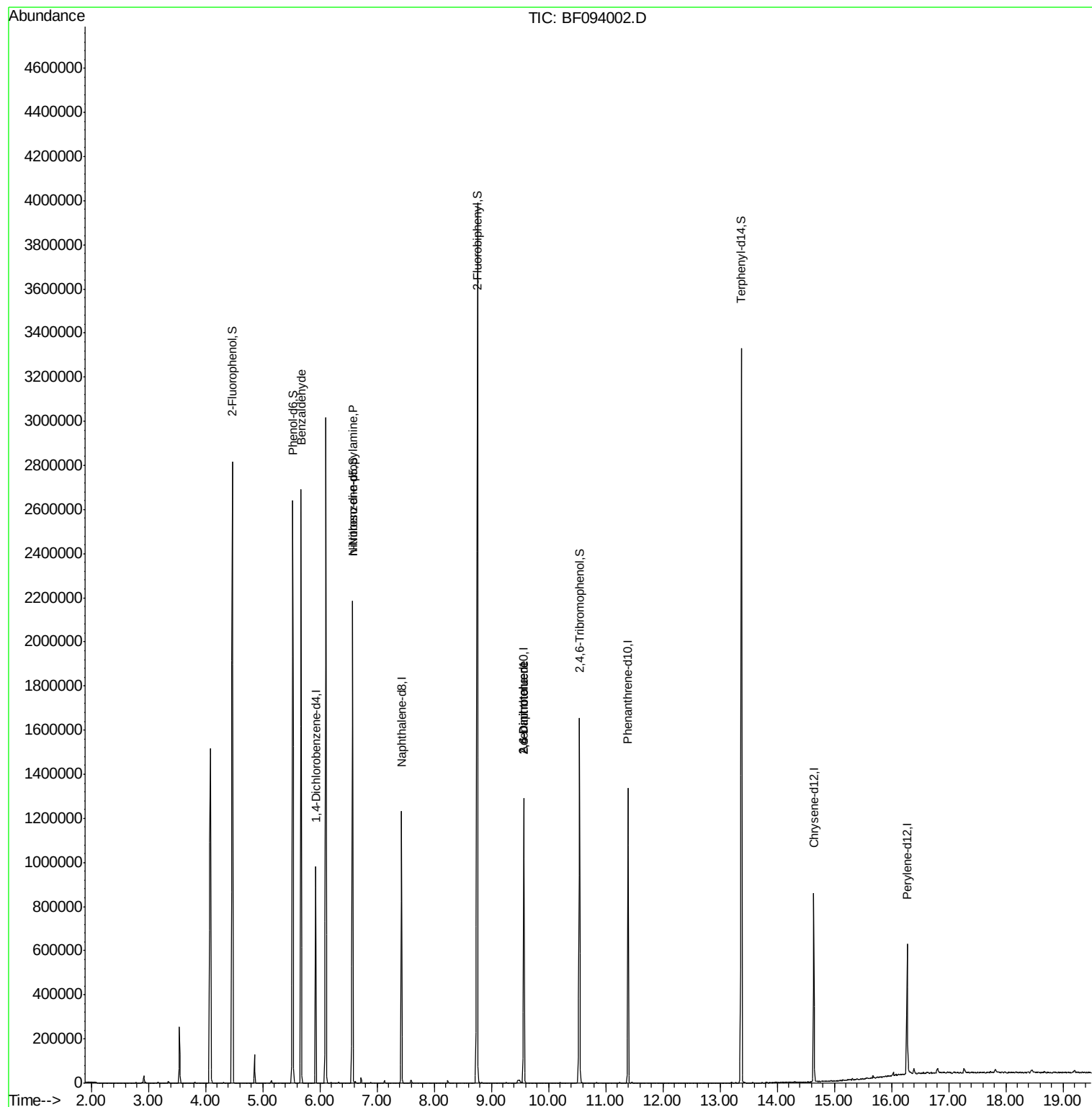
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	162427	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	653623	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	298182	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	523610	20.00	ng	-0.03
75) Chrysene-d12	14.65	240	338173	20.00	ng	-0.04
86) Perylene-d12	16.27	264	253895	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	838514	87.19	ng	0.00
7) Phenol-d6	5.53	99	1038829	87.32	ng	-0.02
23) Nitrobenzene-d5	6.57	82	937017	81.81	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	230811	97.96	ng	-0.03
44) 2-Fluorobiphenyl	8.76	172	1714417	87.70	ng	-0.02
78) Terphenyl-d14	13.37	244	1348720	89.40	ng	-0.03
Target Compounds						
9) Benzaldehyde	5.68	77	17523	2.18	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	6.57	70	123808	16.19	ng	# 78
50) 2,6-Dinitrotoluene	9.57	165	39463	8.12	ng	# 33
56) 2,4-Dinitrotoluene	9.57	165	39464	6.47	ng	# 33

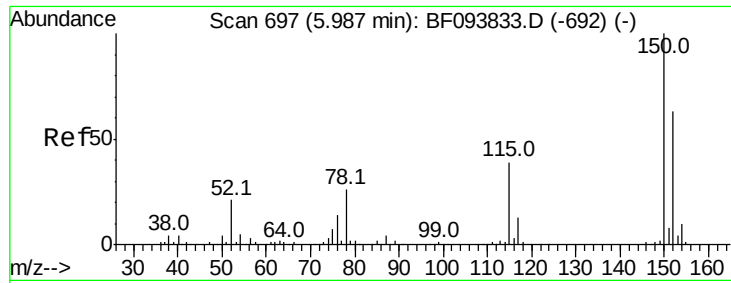
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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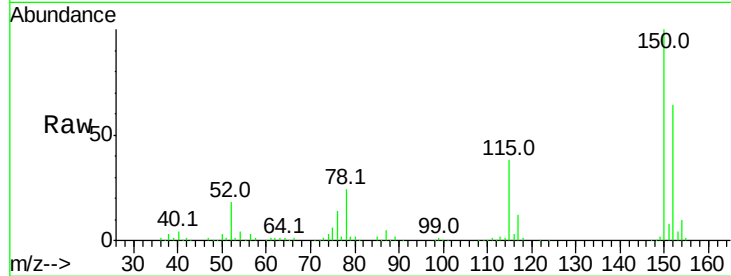


#1

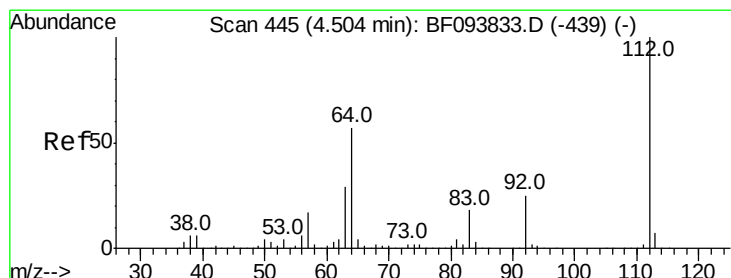
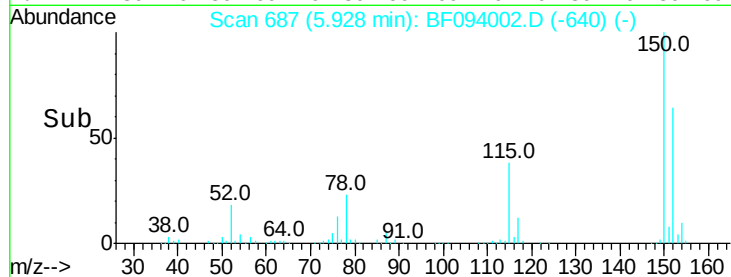
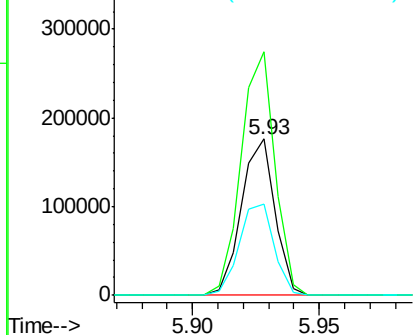
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094002.D
Acq: 28 Mar 2017 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162427
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 58.4 52.2 78.2



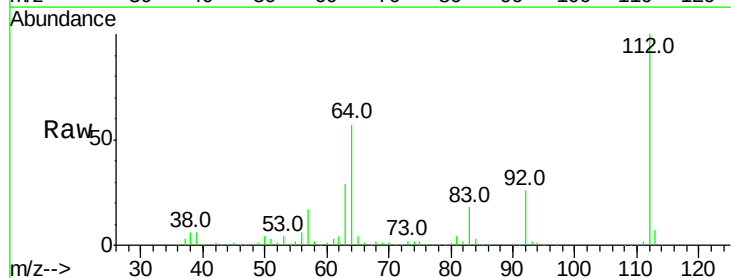
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



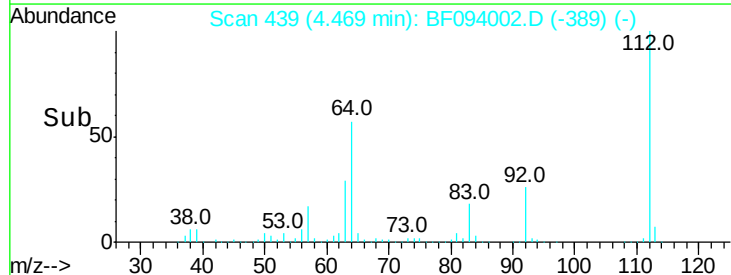
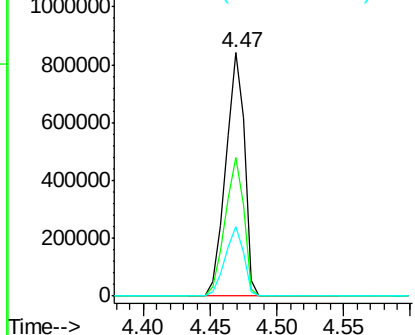
#5

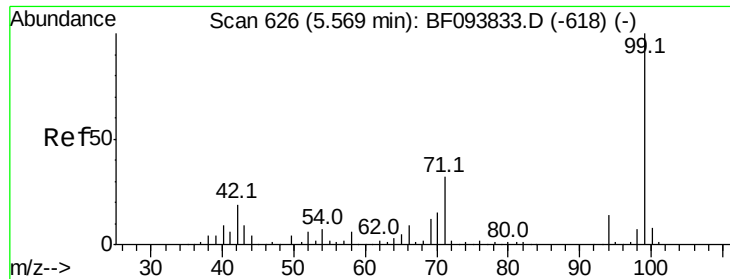
2-Fluorophenol
Concen: 87.19 ng
RT: 4.47 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF094002.D
Acq: 28 Mar 2017 19:40

Tgt Ion:112 Resp: 838514
Ion Ratio Lower Upper
112 100
64 57.2 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: 87.32 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094002.D

Acq: 28 Mar 2017 19:40

Instrument :

BNA_F

ClientSampled :

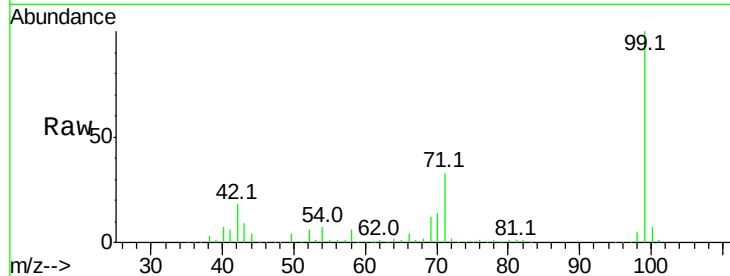
Tot Ion: 99 Resp: 1038829

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

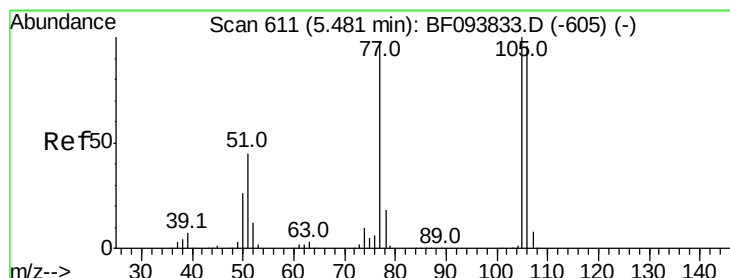
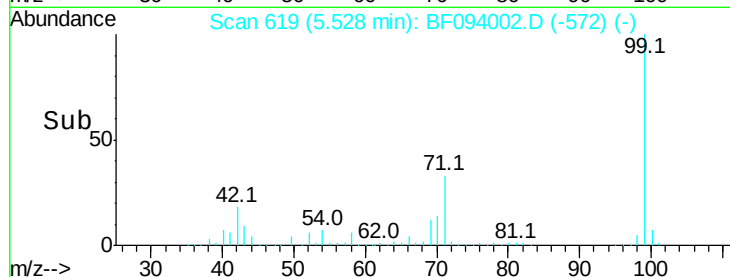
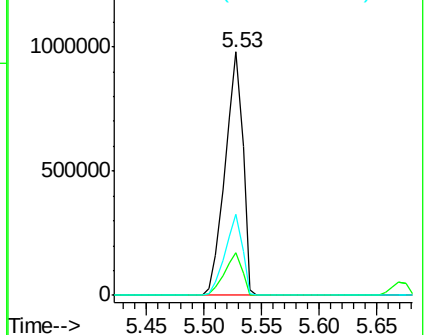
71 33.2 24.5 36.7



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: 2.18 ng

RT: 5.68 min Scan# 644

Delta R.T. 0.23 min

Lab File: BF094002.D

Acq: 28 Mar 2017 19:40

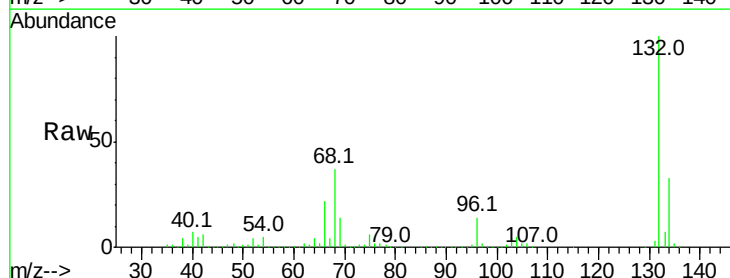
Tgt Ion: 77 Resp: 17523

Ion Ratio Lower Upper

77 100

105 91.0 83.8 123.8

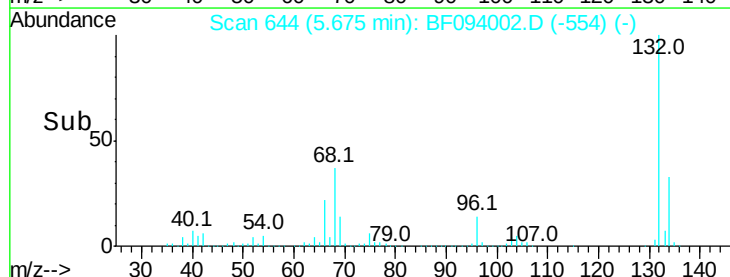
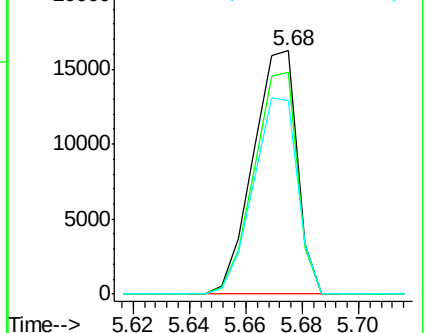
106 79.5 79.1 119.1

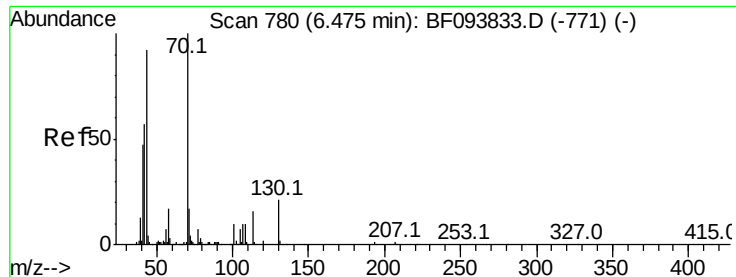


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.19 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.14 min

Lab File: BF094002.D

Acq: 28 Mar 2017 19:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 123808

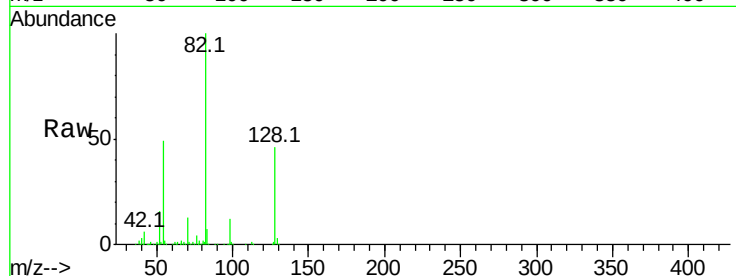
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

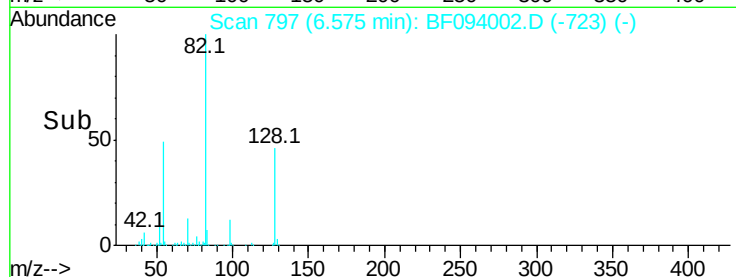


Abundance Ion 70.00 (69.70 to 70.70): BF0

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



Abundance

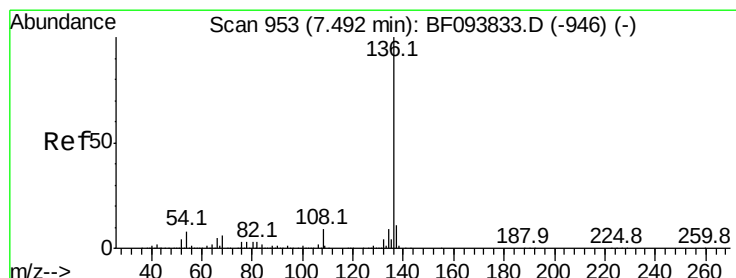
150000

100000

50000

0

Time--> 6.50 6.55 6.60



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094002.D

Acq: 28 Mar 2017 19:40

Tgt Ion: 136 Resp: 653623

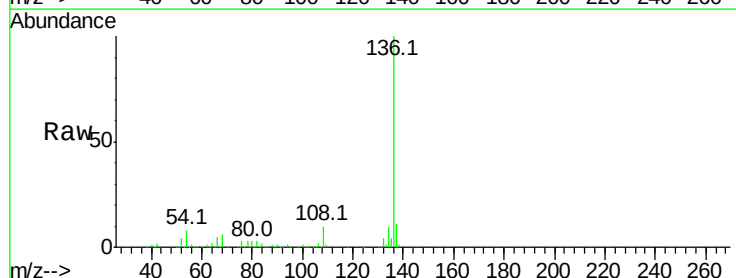
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.6 4.9 7.3#

68 5.9 4.1 6.1

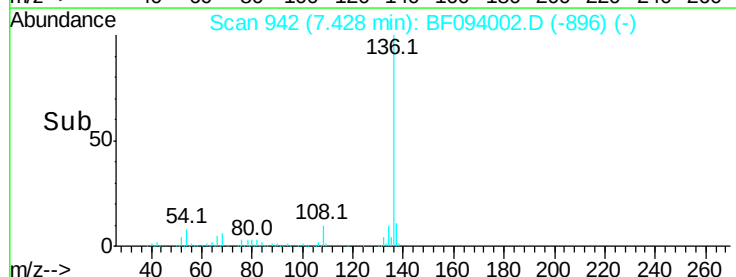


Abundance Ion 136.00 (135.70 to 136.70): BF0

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



Abundance

1000000

800000

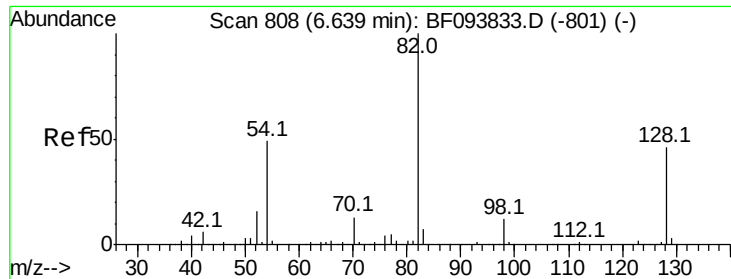
600000

400000

200000

0

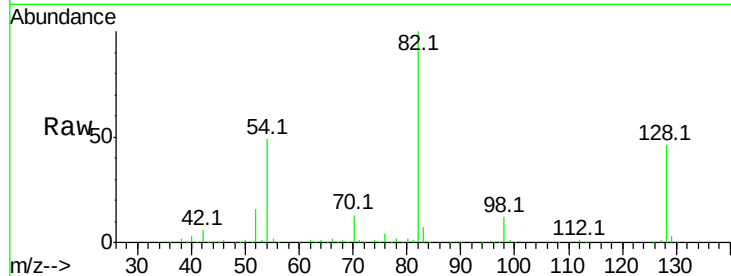
Time--> 7.35 7.40 7.45 7.50 7.55



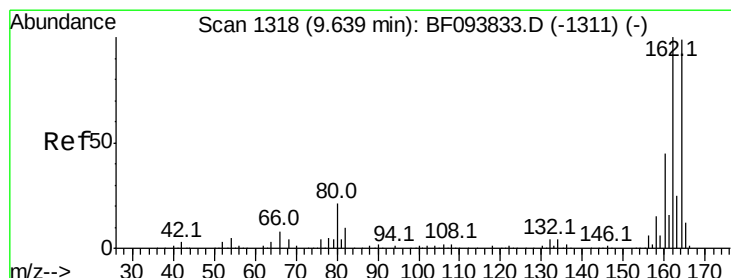
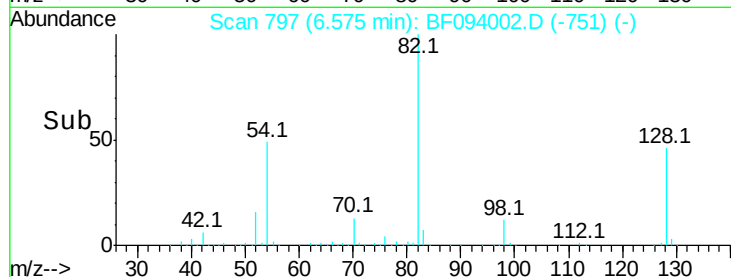
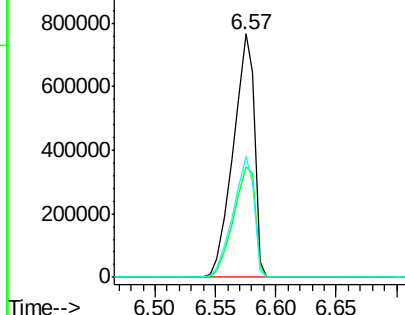
#23
Nitrobenzene-d5
Concen: 81.81 ng
RT: 6.57 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF094002.D
Acq: 28 Mar 2017 19:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 937017
Ion Ratio Lower Upper
82 100
128 45.5 34.0 51.0
54 49.4 42.2 63.2

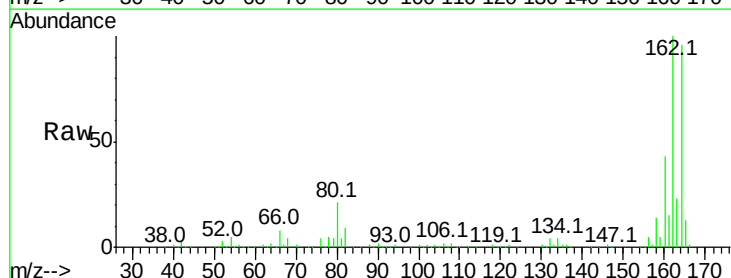


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

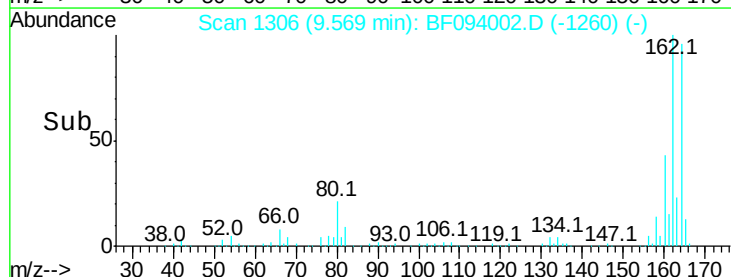
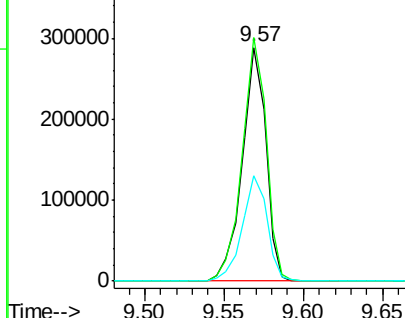


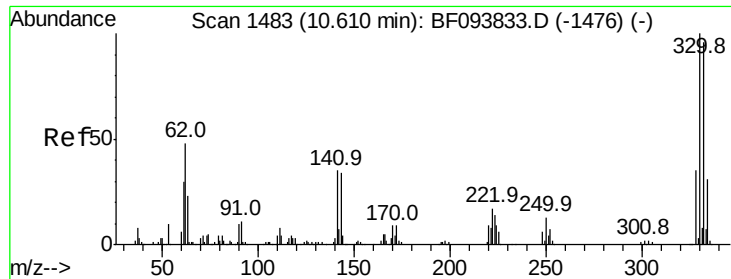
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094002.D
Acq: 28 Mar 2017 19:40

Tgt Ion:164 Resp: 298182
Ion Ratio Lower Upper
164 100
162 104.3 82.6 123.8
160 45.2 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

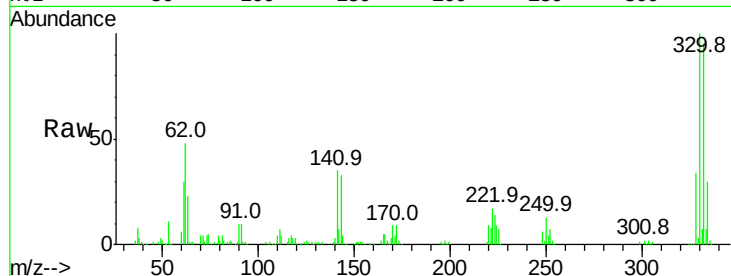




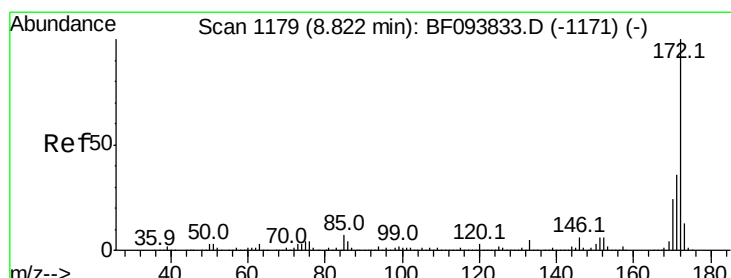
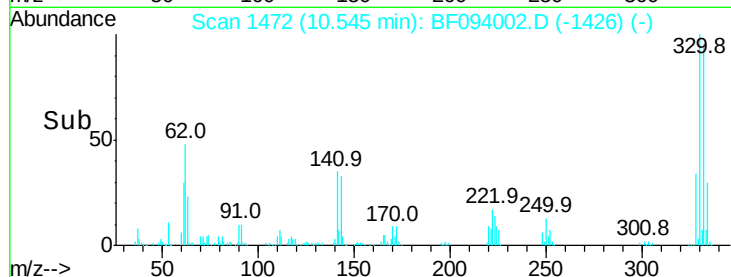
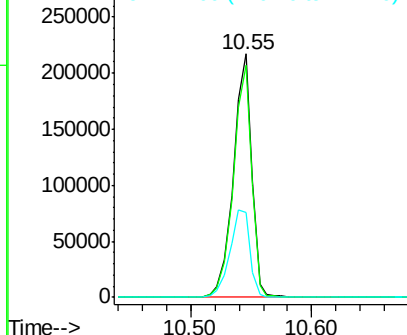
#41
 2,4,6-Tribromophenol
 Concen: 97.96 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094002.D
 Acq: 28 Mar 2017 19:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 230811
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 39.2 31.4 47.2

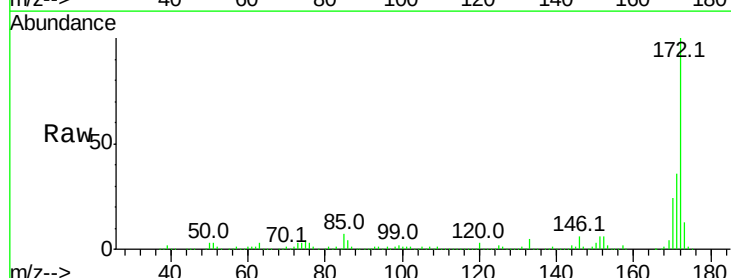


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

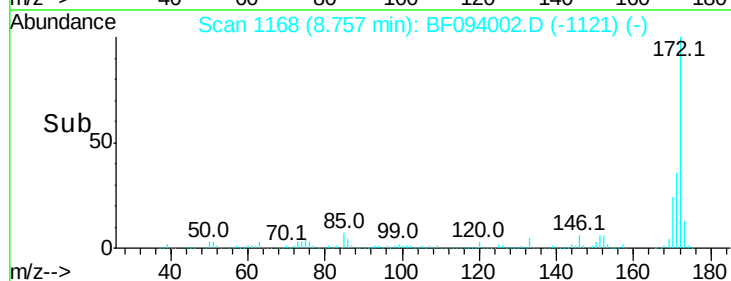
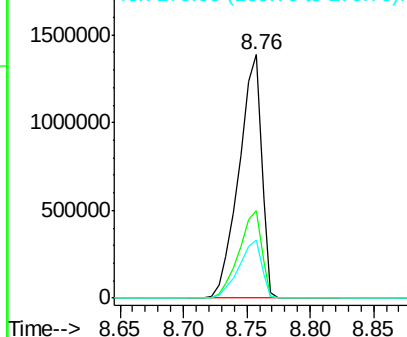


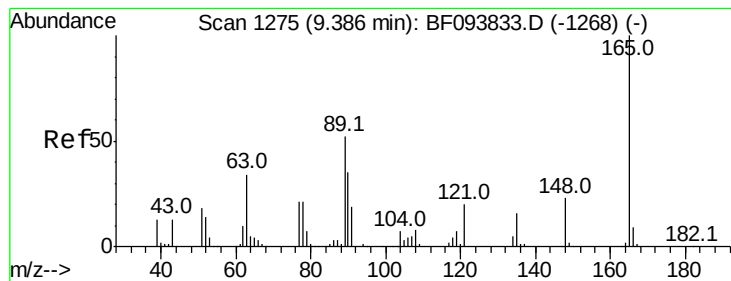
#44
 2-Fluorobiphenyl
 Concen: 87.70 ng
 RT: 8.76 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF094002.D
 Acq: 28 Mar 2017 19:40

Tgt Ion:172 Resp: 1714417
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.0 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: 8.12 ng

RT: 9.57 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF094002.D

Acq: 28 Mar 2017 19:40

Instrument :

BNA_F

ClientSampled :

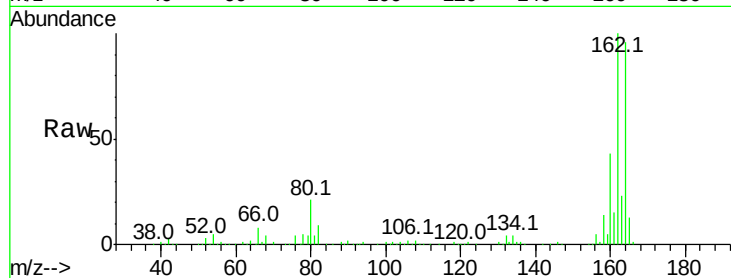
Tot Ion:165 Resp: 39463

Ion Ratio Lower Upper

165 100

63 1.0 34.3 51.5#

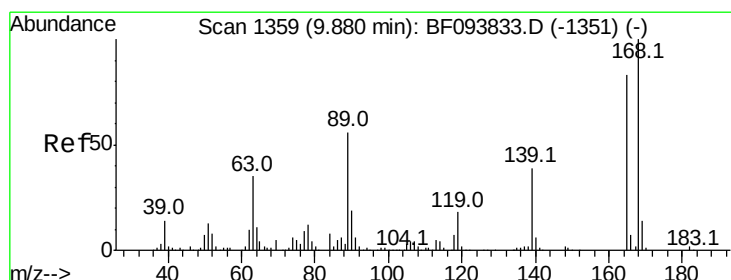
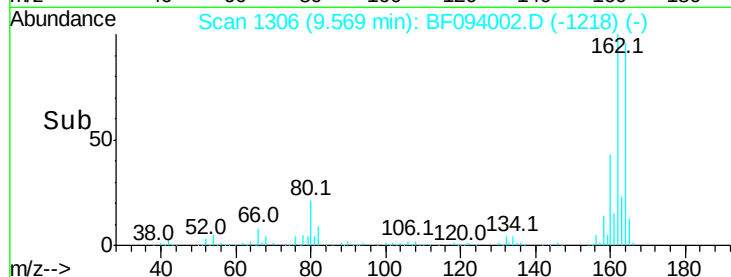
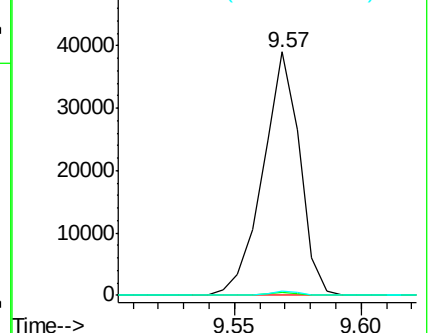
89 1.6 37.1 55.7#



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: 6.47 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.28 min

Lab File: BF094002.D

Acq: 28 Mar 2017 19:40

Tgt Ion:165 Resp: 39464

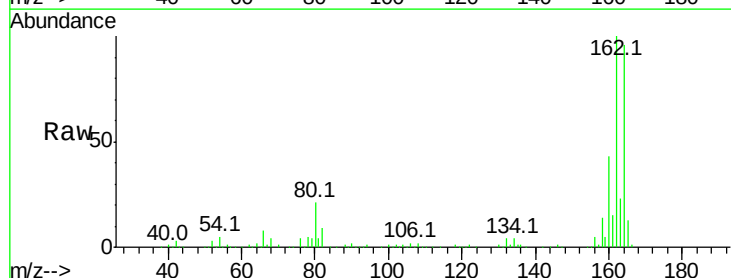
Ion Ratio Lower Upper

165 100

63 1.0 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

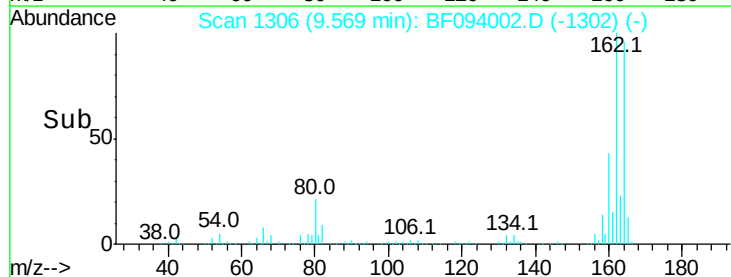
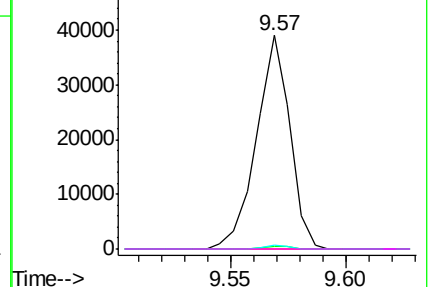


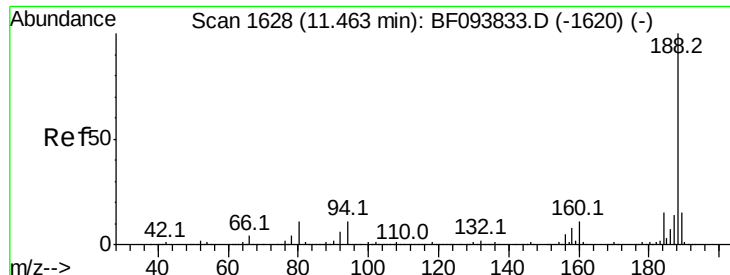
Abundance Ion 165.00 (164.70 to 165.70): E

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

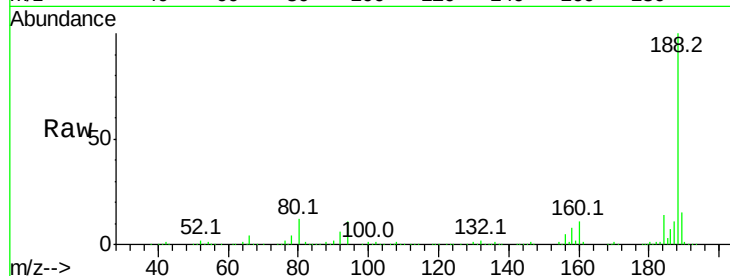




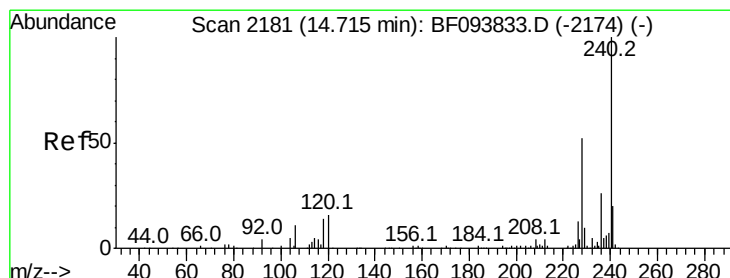
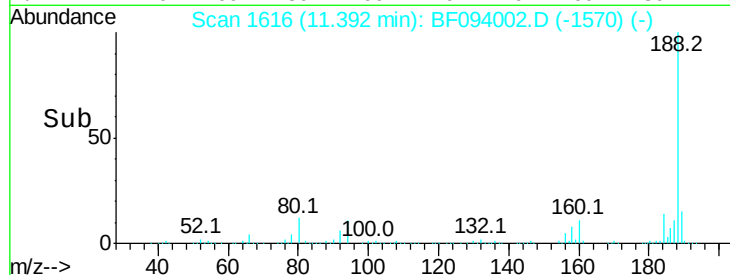
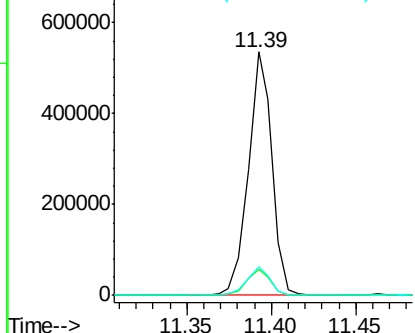
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094002.D
Acq: 28 Mar 2017 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 523610
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.6 10.2 15.2

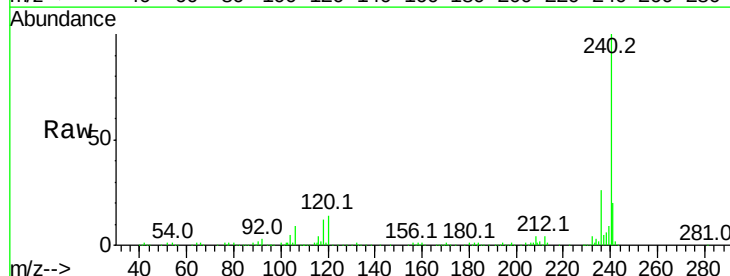


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

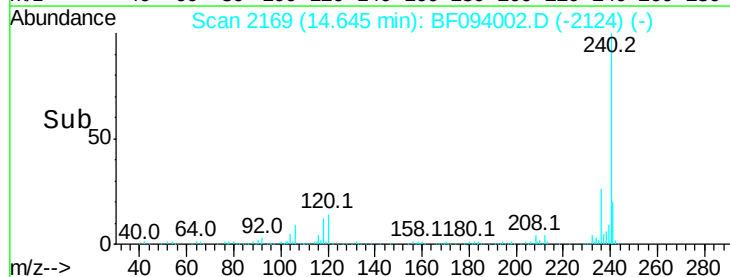
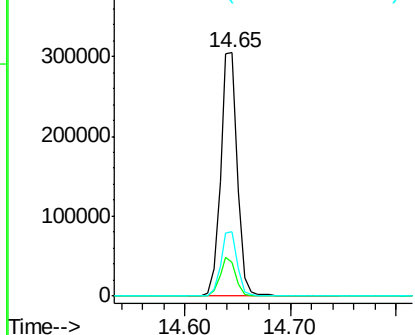


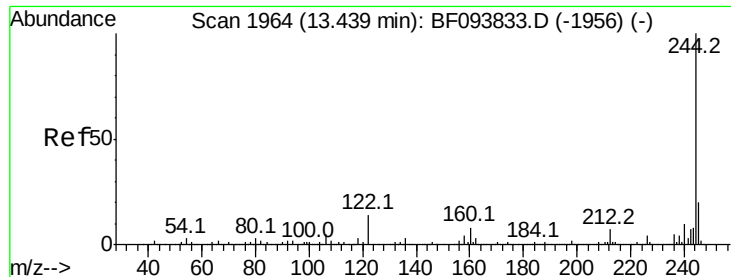
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.65 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF094002.D
Acq: 28 Mar 2017 19:40

Tgt Ion:240 Resp: 338173
Ion Ratio Lower Upper
240 100
120 13.7 5.8 8.8#
236 26.3 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

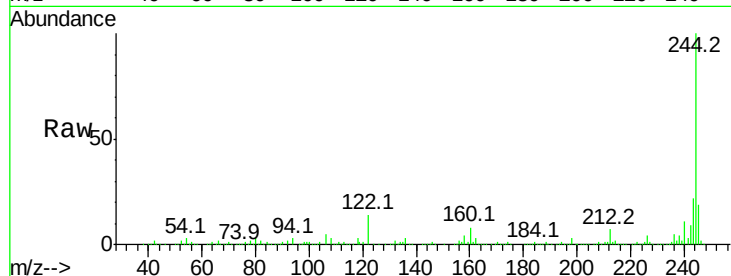




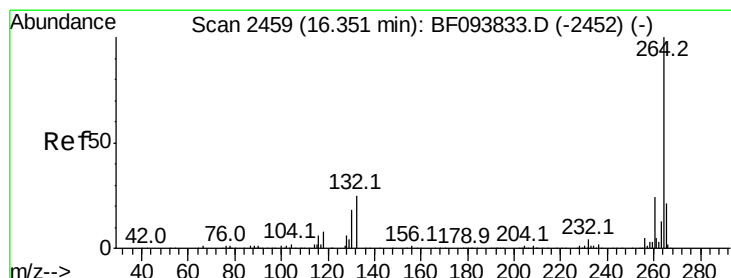
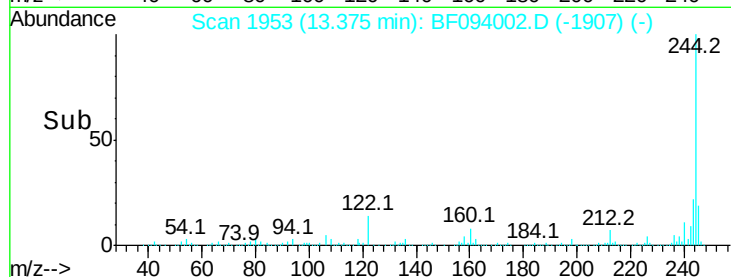
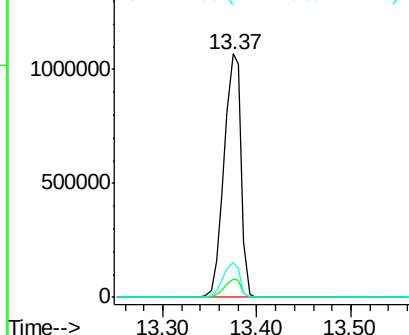
#78
 Terphenyl-d14
 Concen: 89.40 ng
 RT: 13.37 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BF094002.D
 Acq: 28 Mar 2017 19:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1348720
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.3 10.3 15.5

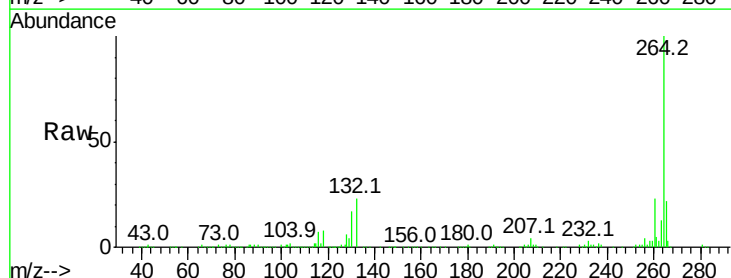


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.27 min Scan# 2446
 Delta R.T. -0.04 min
 Lab File: BF094002.D
 Acq: 28 Mar 2017 19:40

Tgt Ion:264 Resp: 253895
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 22.3 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

