

Data Path : Z:\HPCHEM1\BNA F\Data\BF032717\
 Data File : BF093985.D
 Acq On : 28 Mar 2017 11:09
 Operator : SJ/MA
 Sample : I2411-03
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 13:44:15 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

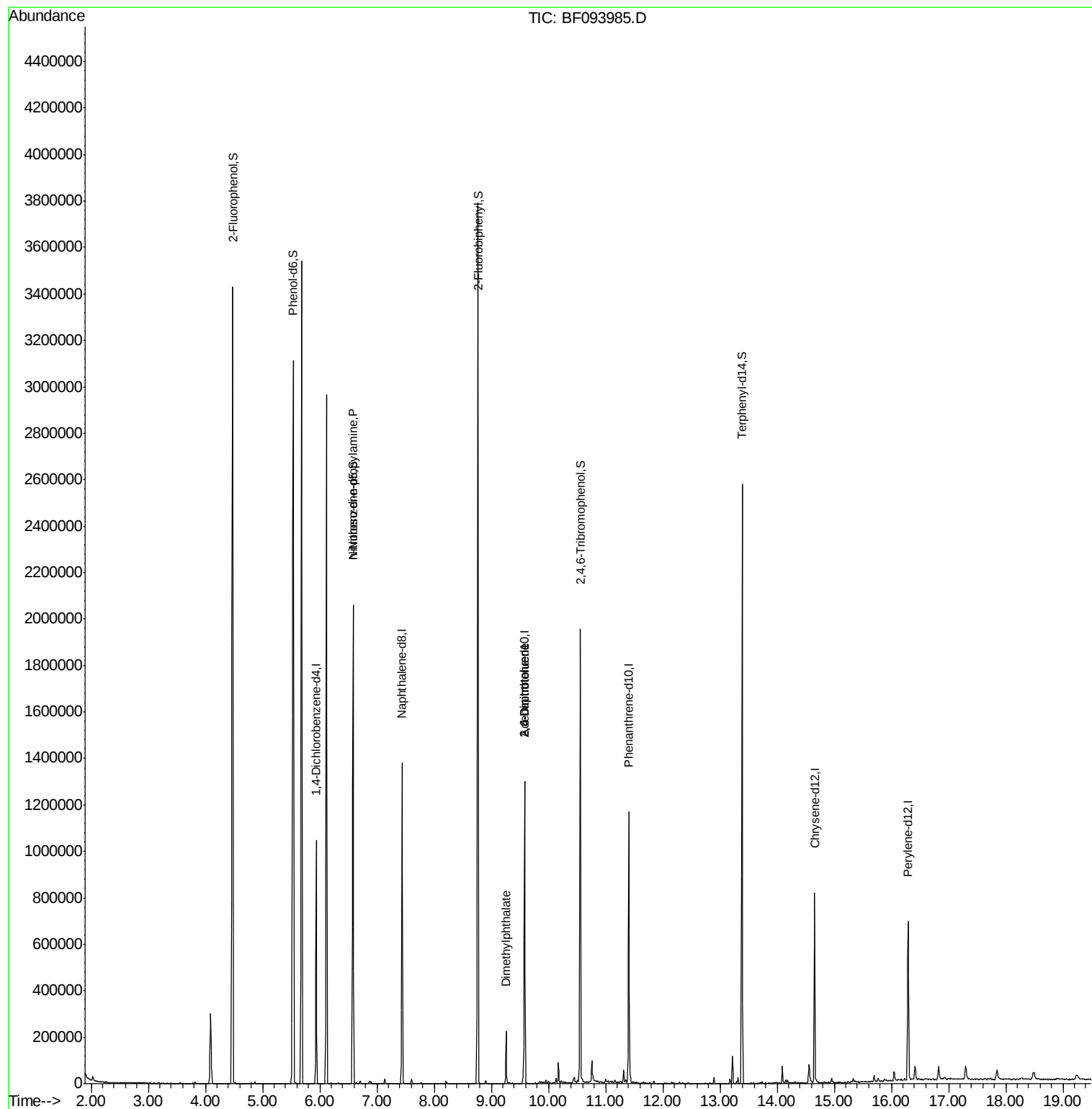
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	169737	20.00	ng	-0.02
21) Naphthalene-d8	7.44	136	681282	20.00	ng	-0.02
38) Acenaphthene-d10	9.58	164	300732	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	482204	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	307283	20.00	ng	-0.02
86) Perylene-d12	16.29	264	273715	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.47	112	1086605	108.13	ng	0.00
7) Phenol-d6	5.53	99	1389768	111.79	ng	-0.02
23) Nitrobenzene-d5	6.59	82	831647	69.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	252603	106.30	ng	-0.02
44) 2-Fluorobiphenyl	8.77	172	1416970	71.87	ng	-0.01
78) Terphenyl-d14	13.39	244	909367	66.33	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.59	70	108691	13.60	ng	# 78
49) Dimethylphthalate	9.26	163	94517	4.42	ng	97
50) 2,6-Dinitrotoluene	9.58	165	39076	7.97	ng	# 33
56) 2,4-Dinitrotoluene	9.58	165	39077	6.35	ng	# 32

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

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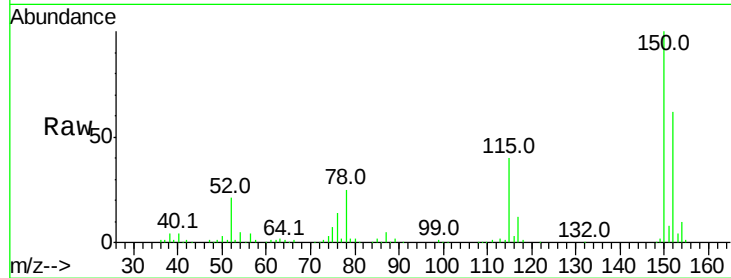


#1

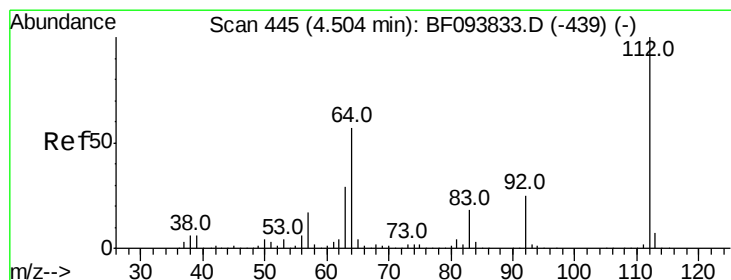
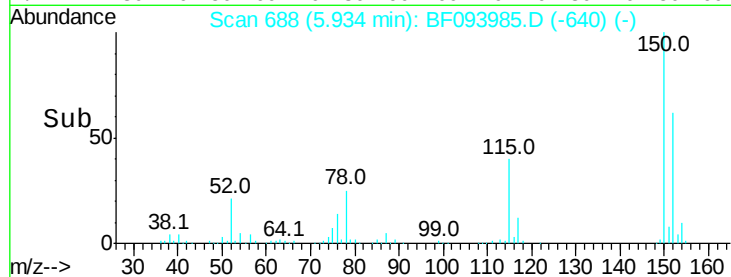
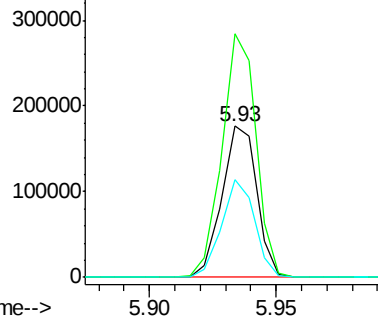
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF093985.D
Acq: 28 Mar 2017 11:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169737
Ion Ratio Lower Upper
152 100
150 161.0 126.2 189.2
115 64.6 52.2 78.2



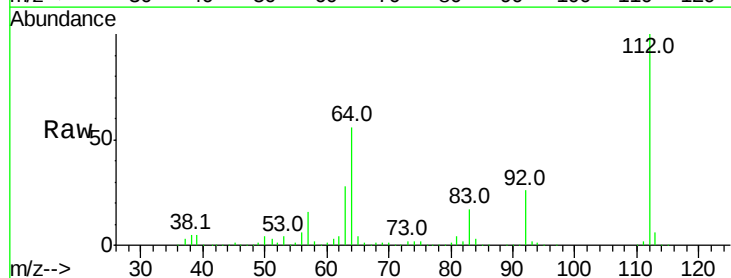
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



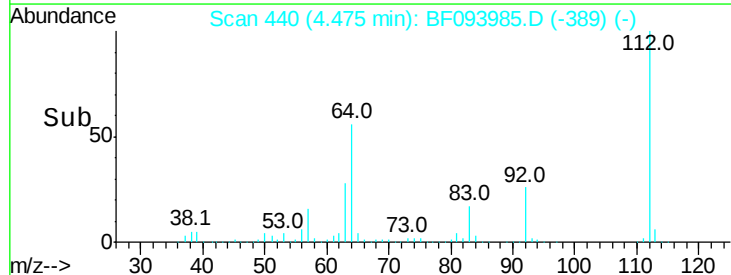
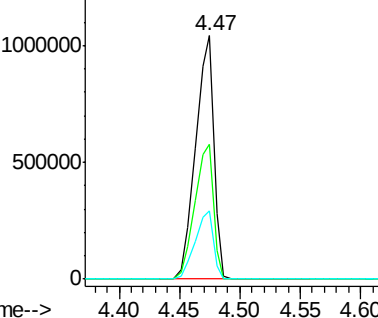
#5

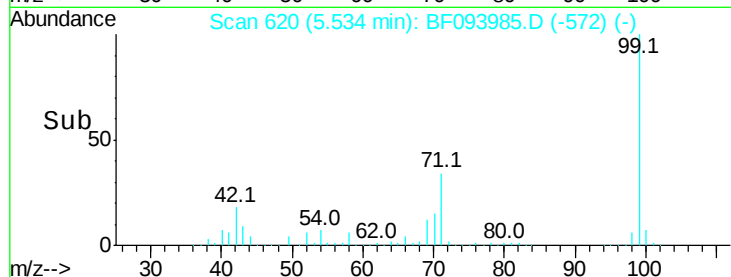
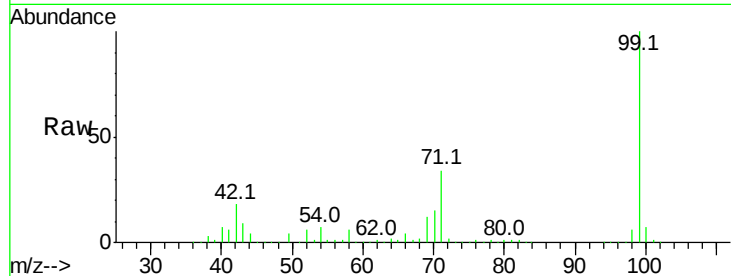
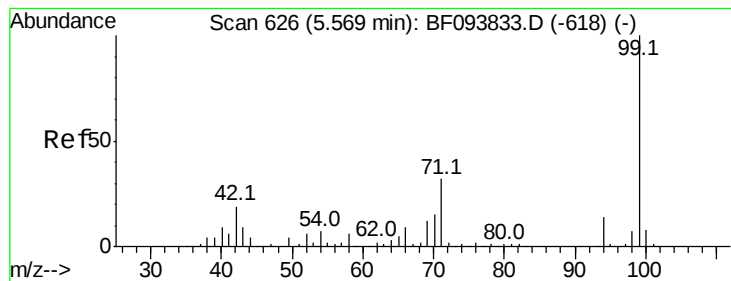
2-Fluorophenol
Concen: 108.13 ng
RT: 4.47 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF093985.D
Acq: 28 Mar 2017 11:09

Tgt Ion:112 Resp: 1086605
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 28.1 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: 111.79 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

Instrument :

BNA_F

ClientSampleId :

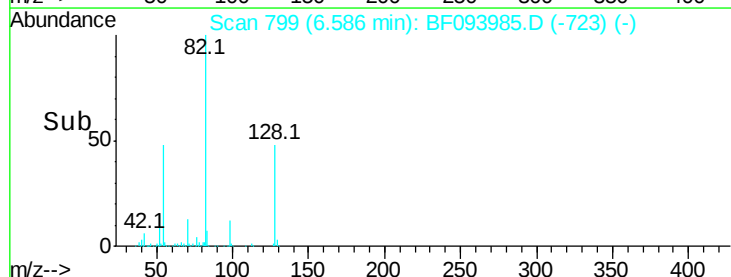
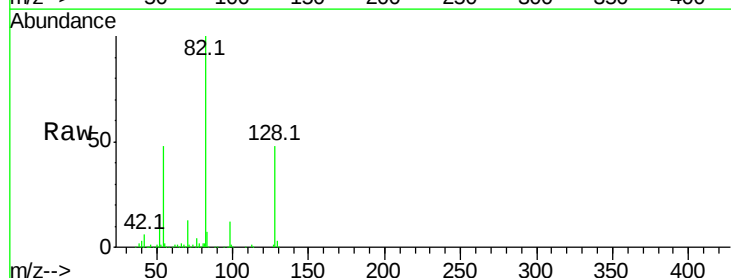
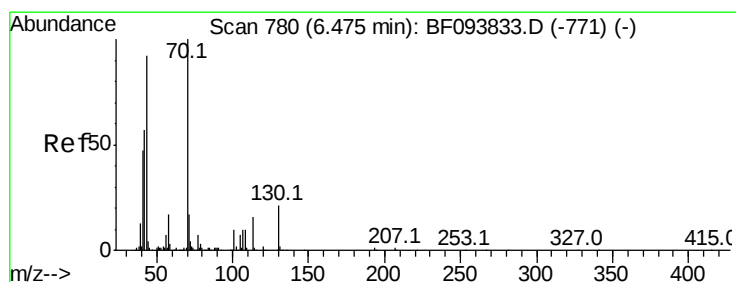
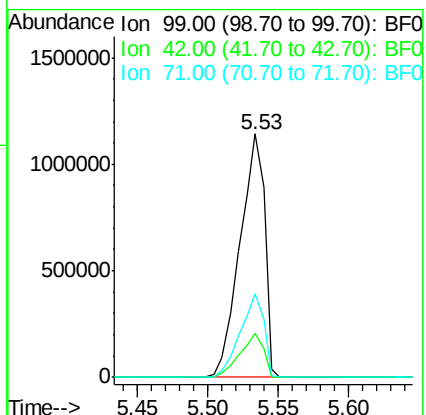
Tot Ion: 99 Resp: 1389768

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

71 34.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.60 ng

RT: 6.59 min Scan# 799

Delta R.T. 0.15 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

Tgt Ion: 70 Resp: 108691

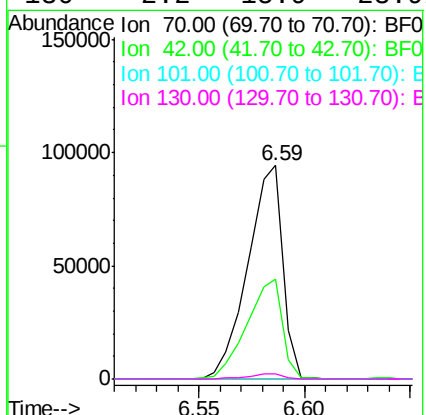
Ion Ratio Lower Upper

70 100

42 46.6 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: 7.44 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 681282

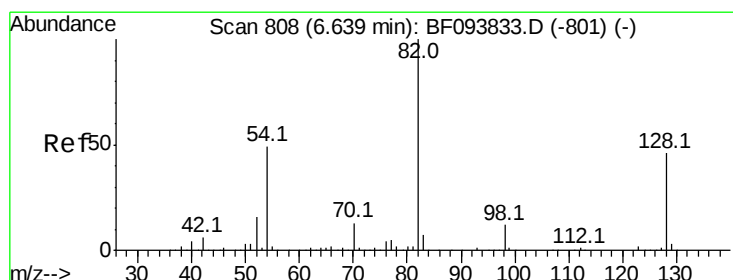
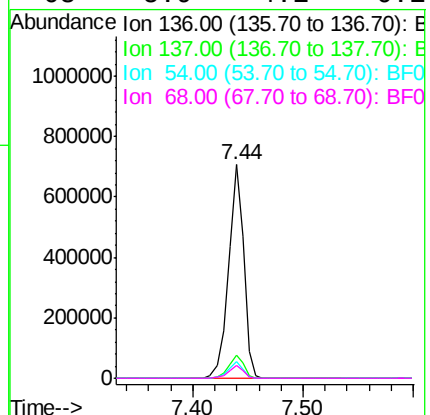
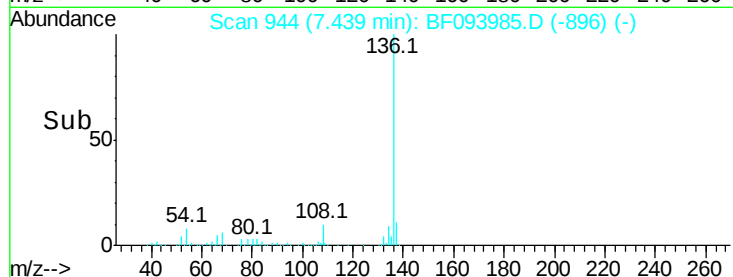
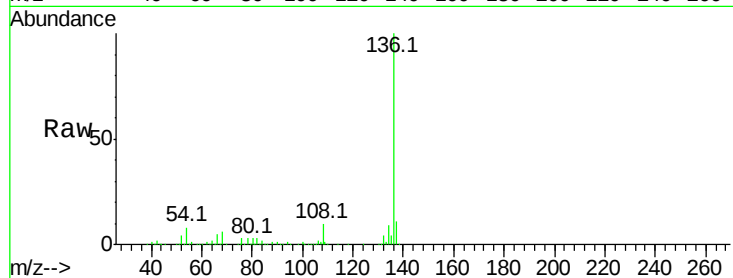
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.6 4.9 7.3#

68 5.9 4.1 6.1



#23

Nitrobenzene-d5

Concen: 69.66 ng

RT: 6.59 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

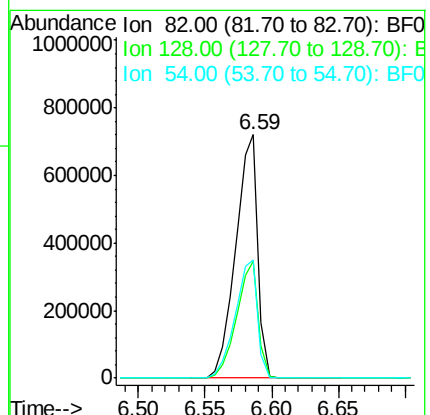
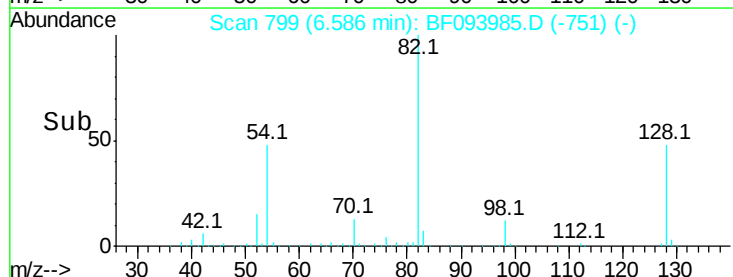
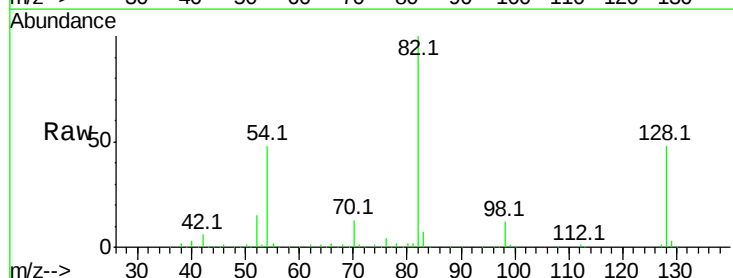
Tgt Ion: 82 Resp: 831647

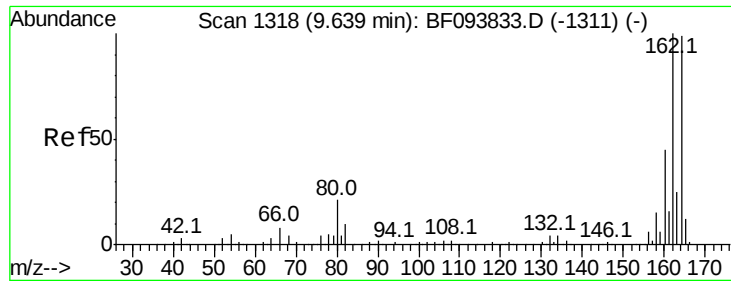
Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

54 48.3 42.2 63.2

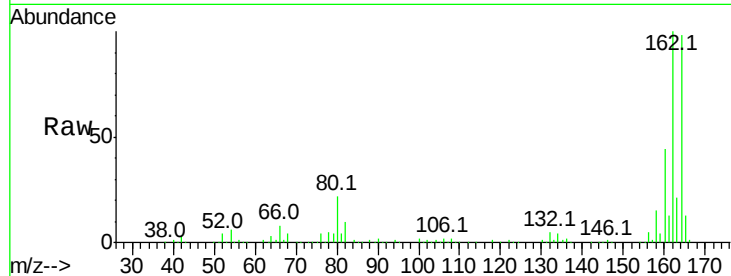




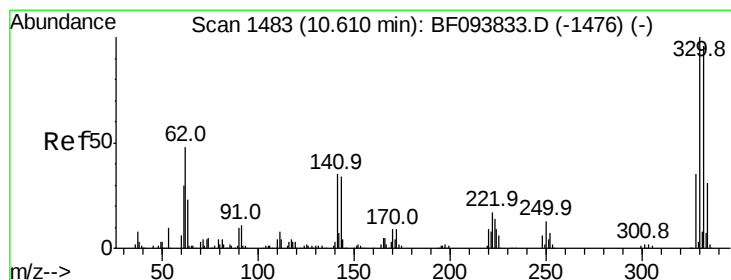
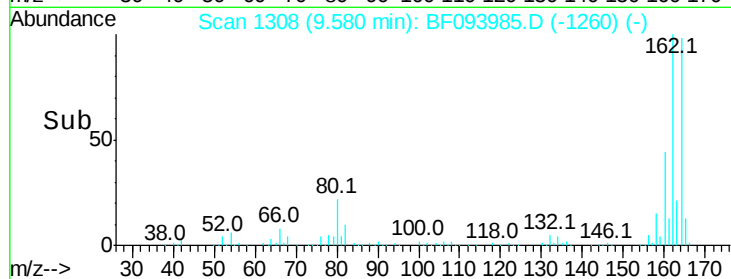
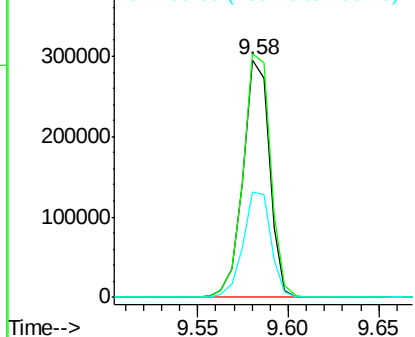
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF093985.D
 Acq: 28 Mar 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 300732
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 123.8
 160 44.6 36.2 54.2

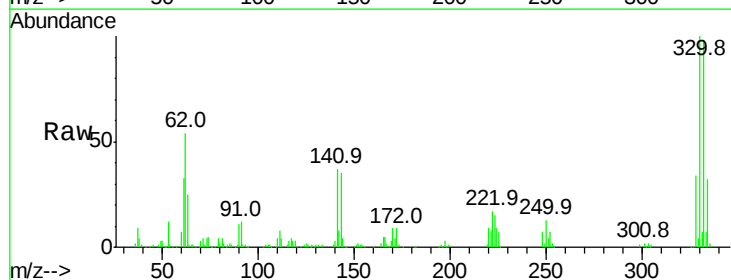


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

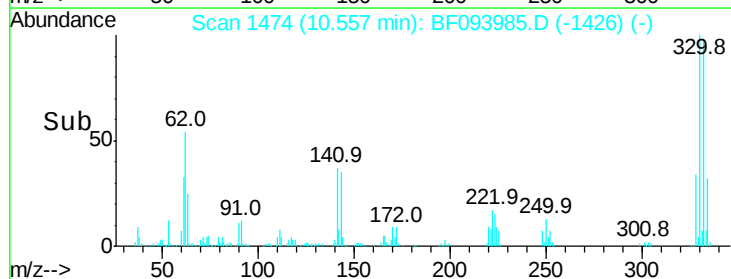
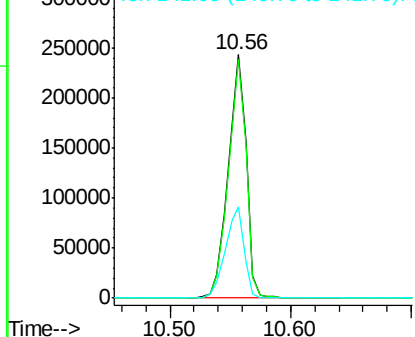


#41
 2,4,6-Tribromophenol
 Concen: 106.30 ng
 RT: 10.56 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: BF093985.D
 Acq: 28 Mar 2017 11:09

Tgt Ion:330 Resp: 252603
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 38.5 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



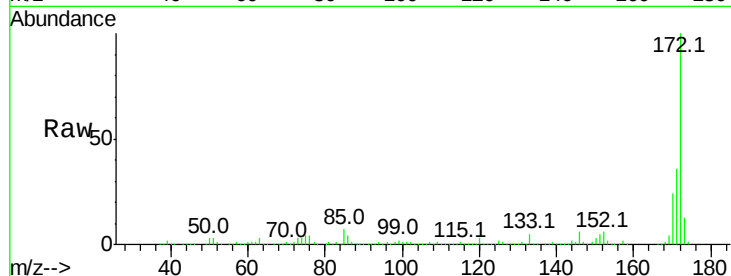


#44
 2-Fluorobiphenyl
 Concen: 71.87 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093985.D
 Acq: 28 Mar 2017 11:09

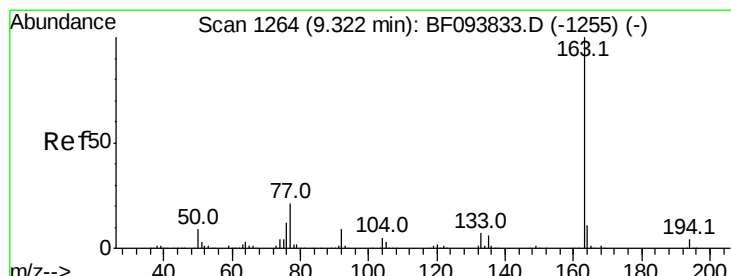
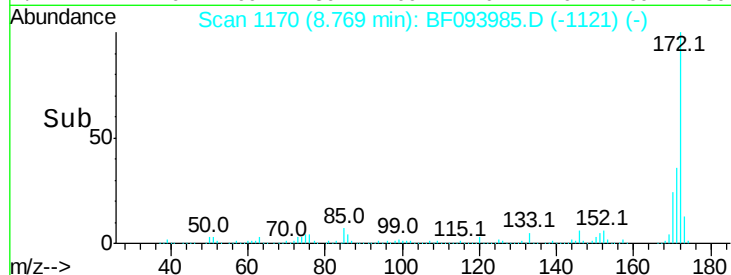
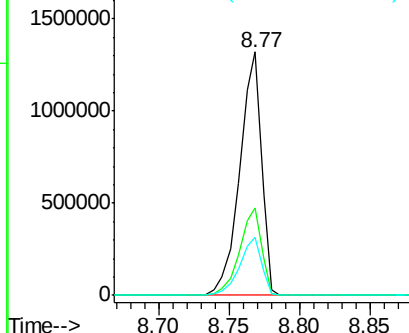
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1416970

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.8	19.8	29.8



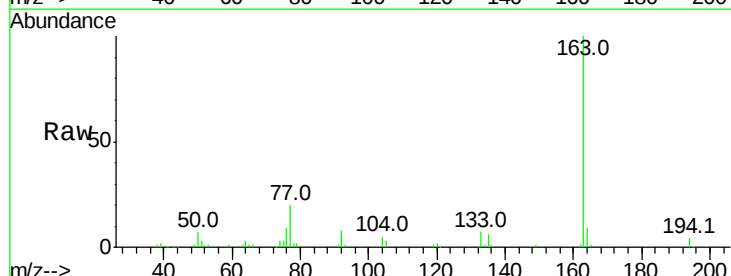
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



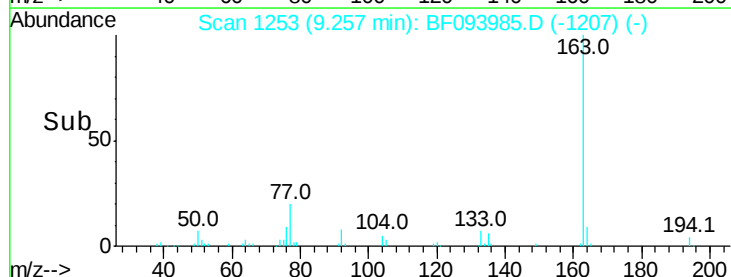
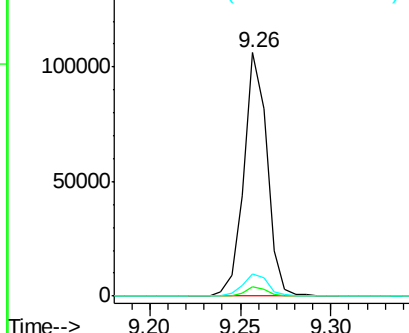
#49
 Dimethylphthalate
 Concen: 4.42 ng
 RT: 9.26 min Scan# 1253
 Delta R.T. -0.03 min
 Lab File: BF093985.D
 Acq: 28 Mar 2017 11:09

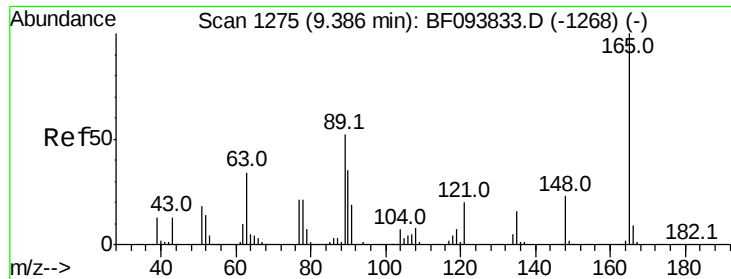
Tgt Ion:163 Resp: 94517

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	9.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

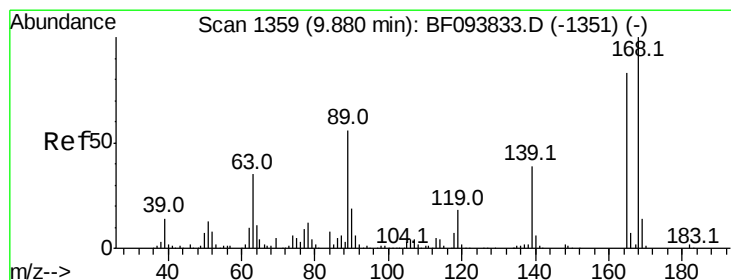
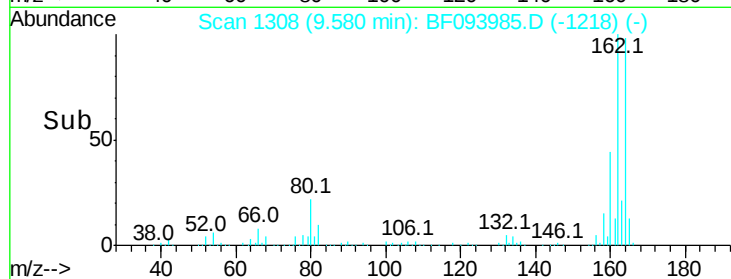
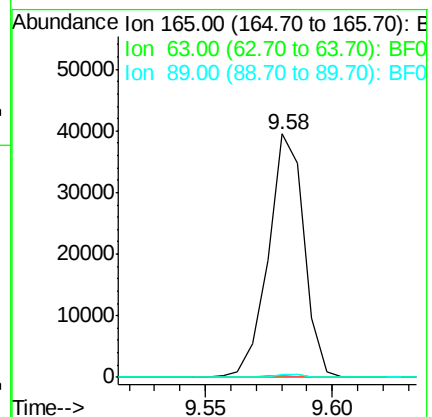
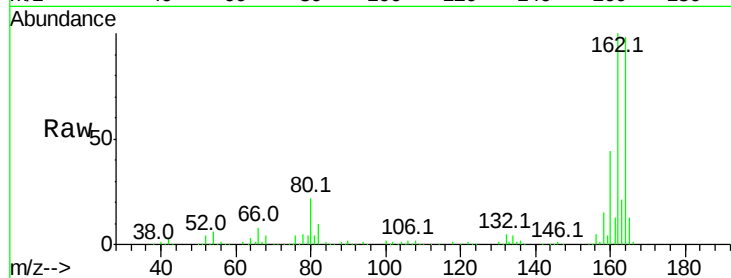




#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.58 min Scan# 1308
 Delta R.T. 0.23 min
 Lab File: BF093985.D
 Acq: 28 Mar 2017 11:09

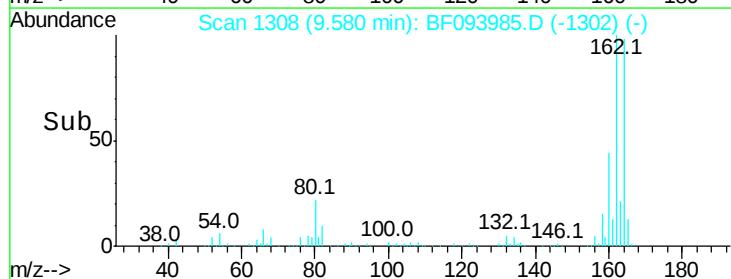
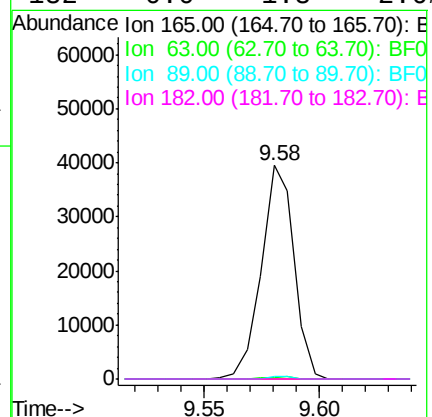
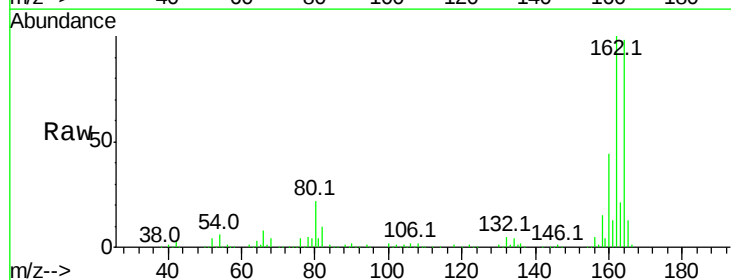
Instrument :
 BNA_F
 ClientSampleId :

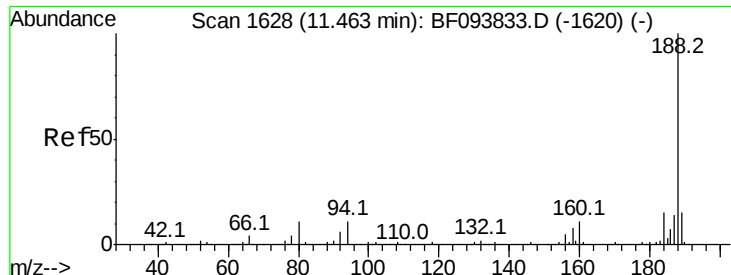
Tot Ion:165 Resp: 39076
 Ion Ratio Lower Upper
 165 100
 63 0.8 34.3 51.5#
 89 1.2 37.1 55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.35 ng
 RT: 9.58 min Scan# 1308
 Delta R.T. -0.26 min
 Lab File: BF093985.D
 Acq: 28 Mar 2017 11:09

Tgt Ion:165 Resp: 39077
 Ion Ratio Lower Upper
 165 100
 63 0.8 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: 11.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

Instrument :

BNA_F

ClientSampleId :

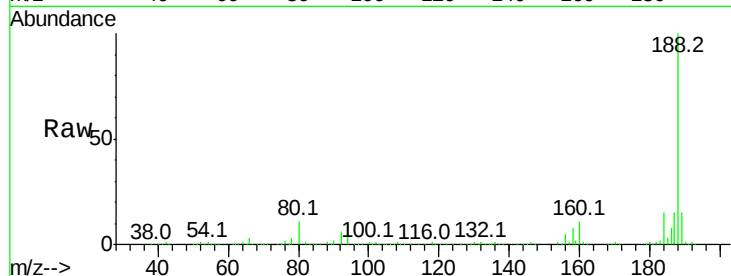
Tot Ion:188 Resp: 482204

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.2

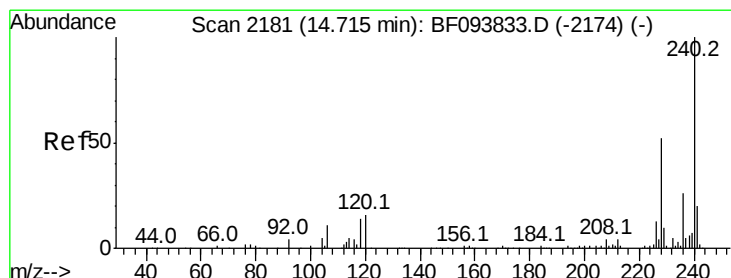
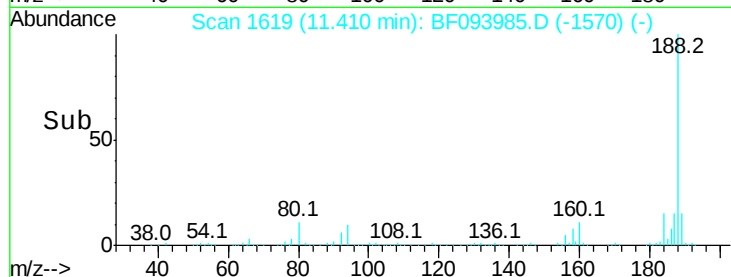
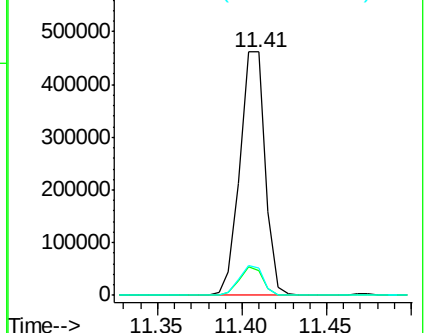
80 11.0 10.2 15.2



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: 14.66 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

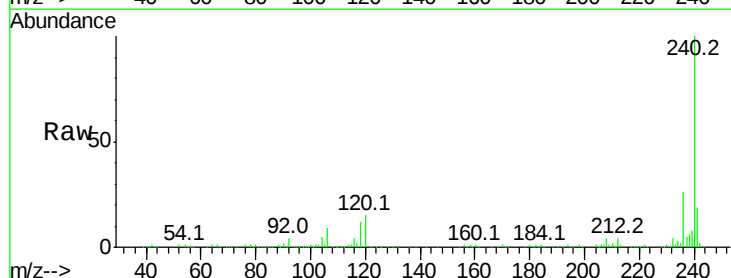
Tgt Ion:240 Resp: 307283

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

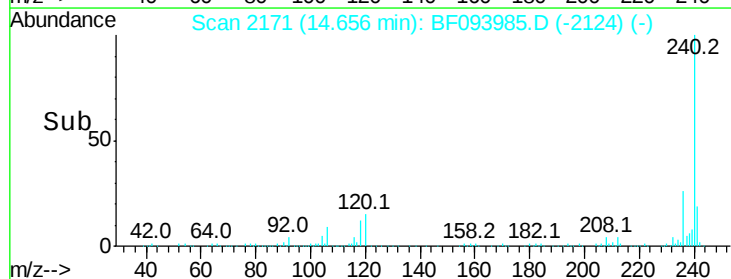
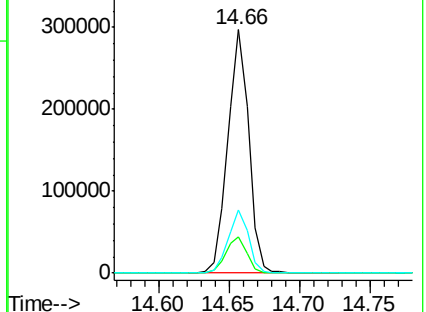
236 25.8 20.5 30.7

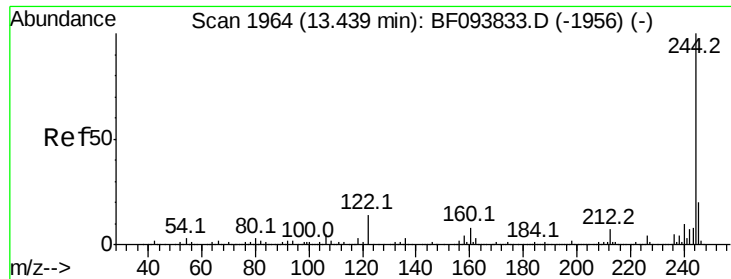


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.33 ng

RT: 13.39 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

Instrument :

BNA_F

ClientSampled :

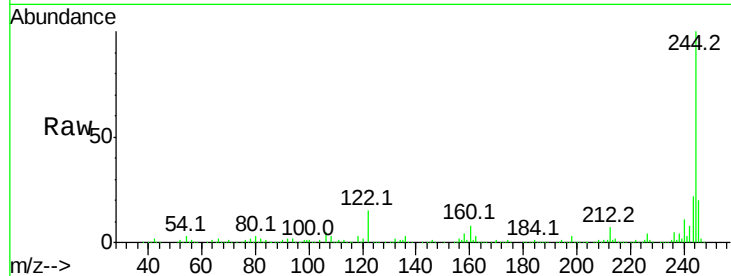
Tot Ion:244 Resp: 909367

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

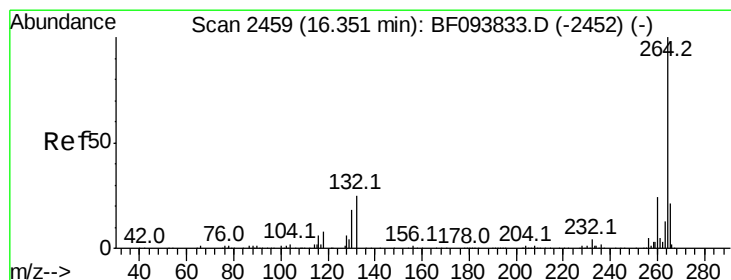
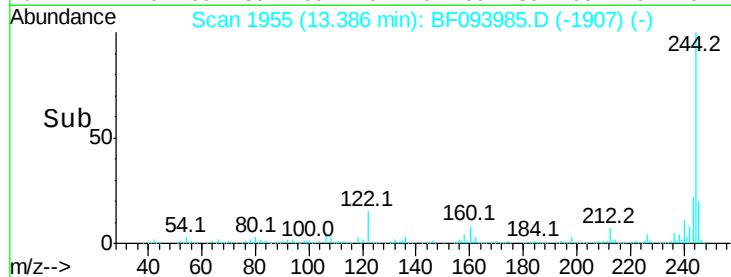
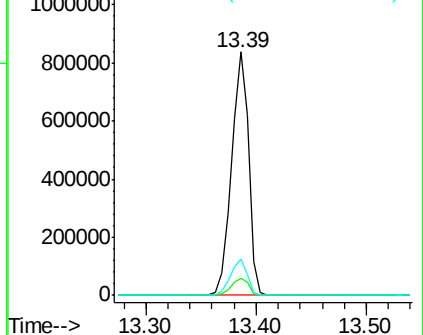
122 14.7 10.3 15.5



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: 16.29 min Scan# 2449

Delta R.T. -0.02 min

Lab File: BF093985.D

Acq: 28 Mar 2017 11:09

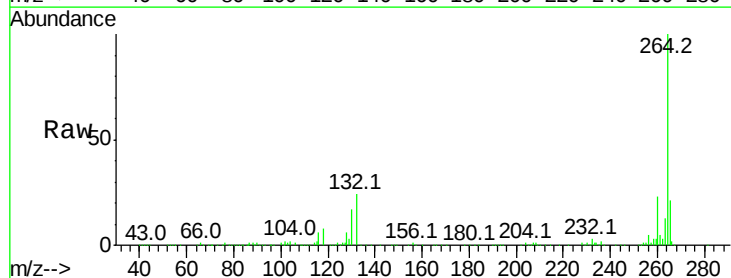
Tgt Ion:264 Resp: 273715

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 20.9 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

