

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093919.D
 Acq On : 24 Mar 2017 21:08
 Operator : SJ/MA
 Sample : I2381-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSEGRADEAGGREGATE-R

Quant Time: Mar 24 23:06:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

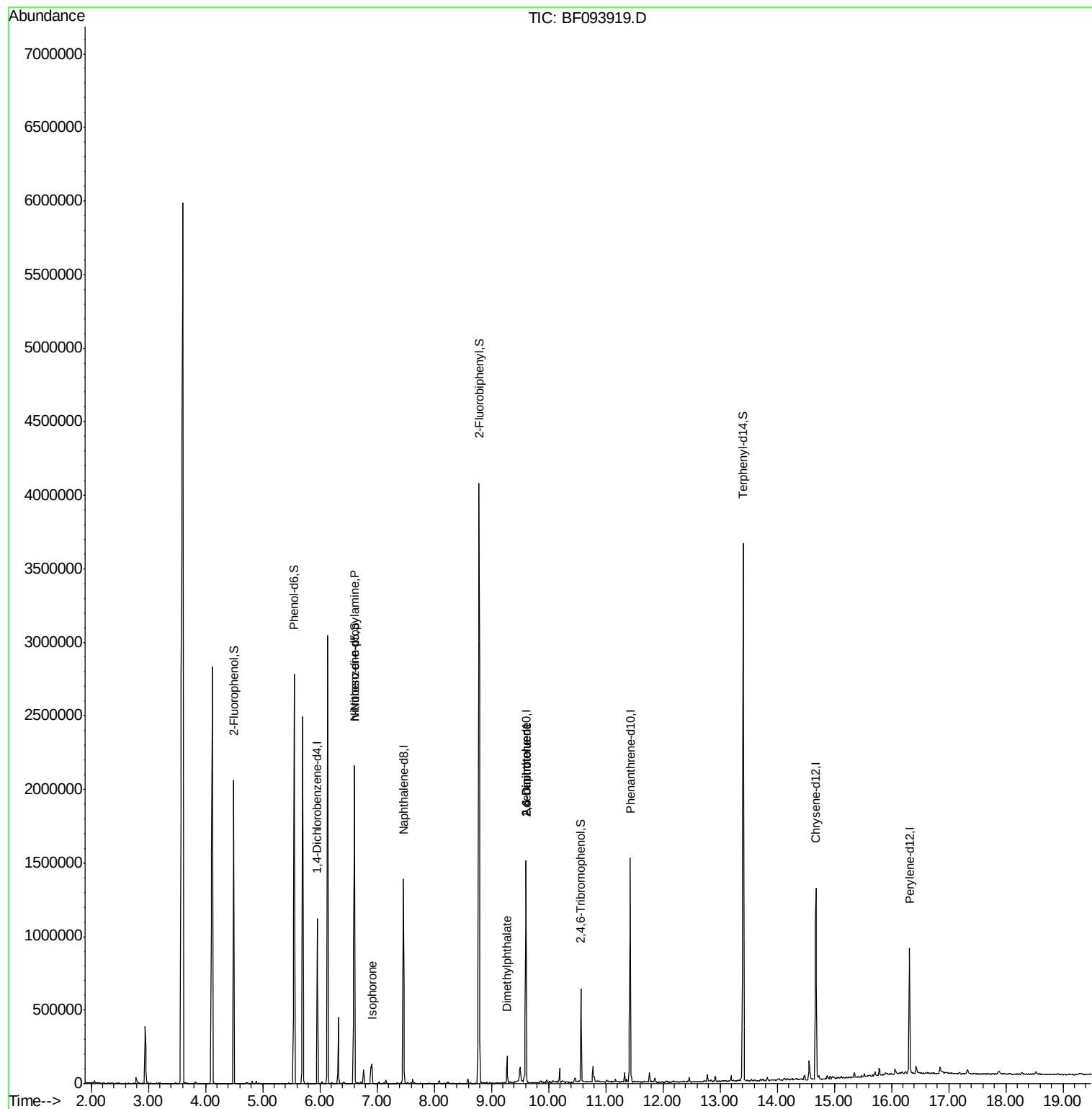
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	169847	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	694296	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	324046	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	582929	20.00	ng	-0.04
75) Chrysene-d12	14.68	240	493797	20.00	ng	-0.04
86) Perylene-d12	16.32	264	348051	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.49	112	549467	54.64	ng	-0.01
7) Phenol-d6	5.55	99	1099718	88.40	ng	-0.02
23) Nitrobenzene-d5	6.60	82	873297	71.78	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	68674	26.82	ng	-0.04
44) 2-Fluorobiphenyl	8.79	172	1585121	74.61	ng	-0.04
78) Terphenyl-d14	13.41	244	1382191	62.74	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.60	70	116745	14.60	ng	# 77
25) Isophorone	6.91	82	55539	2.60	ng	# 94
49) Dimethylphthalate	9.27	163	80603	3.50	ng	99
50) 2,6-Dinitrotoluene	9.60	165	41771	7.91	ng	# 34
56) 2,4-Dinitrotoluene	9.60	165	41772	6.30	ng	# 33

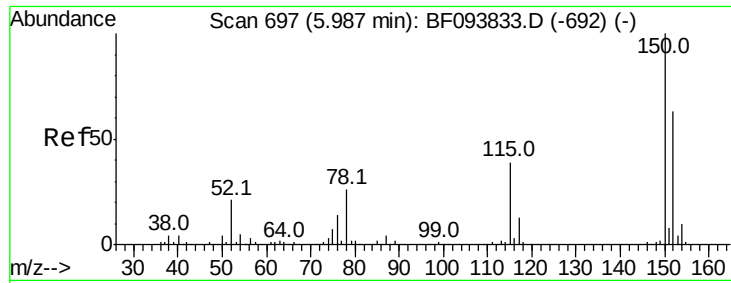
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.96 min Scan# 692

Delta R.T. -0.03 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

Instrument :

BNA_F

ClientSampleId :

3-4-DENSEGRADEAGGREGATE-R

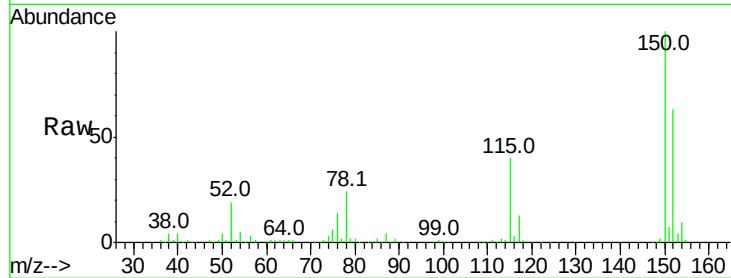
Tot Ion:152 Resp: 169847

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

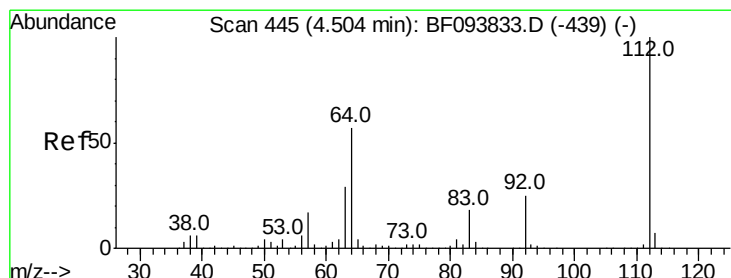
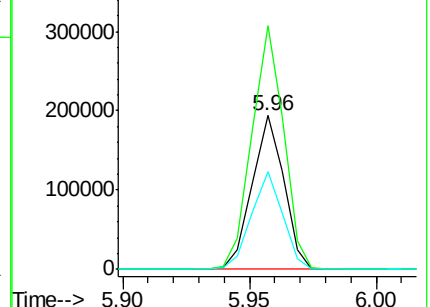
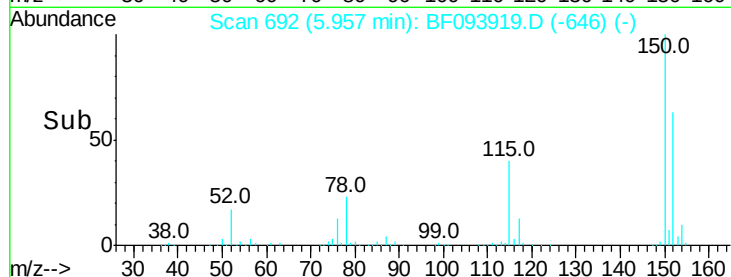
115 63.4 52.2 78.2



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: 54.64 ng

RT: 4.49 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

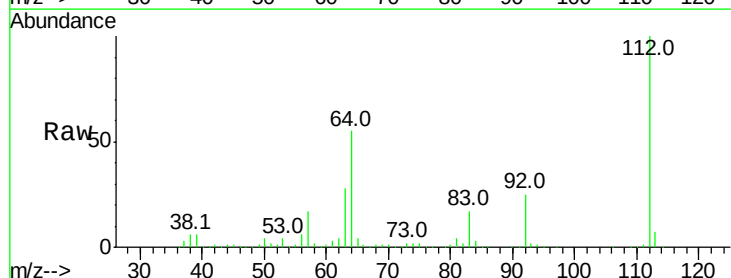
Tgt Ion:112 Resp: 549467

Ion Ratio Lower Upper

112 100

64 55.2 46.0 69.0

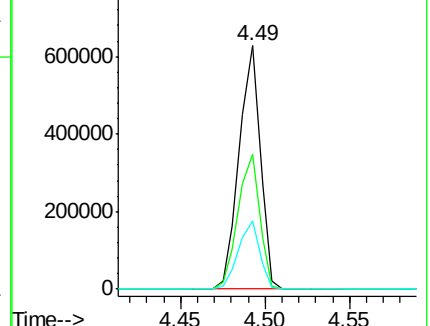
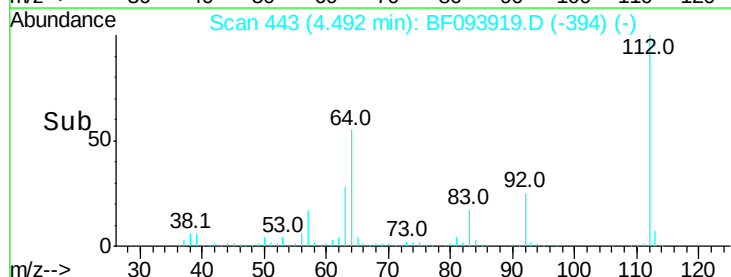
63 27.9 23.4 35.0

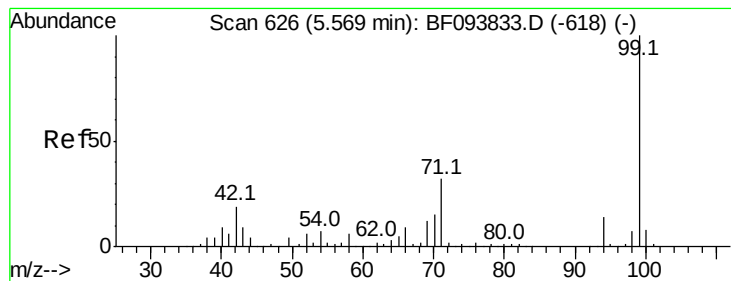


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.40 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

Instrument :

BNA_F

ClientSampleId :

3-4-DENSEGRADEAGGREGATE-R

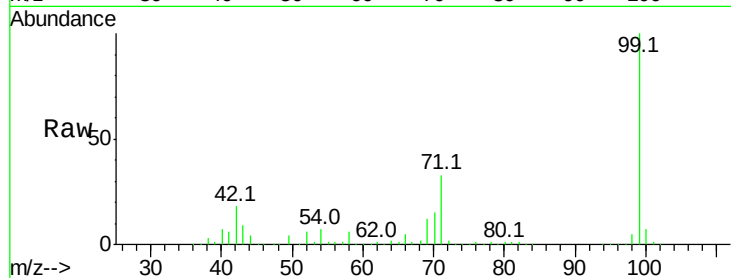
Tot Ion: 99 Resp: 1099718

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

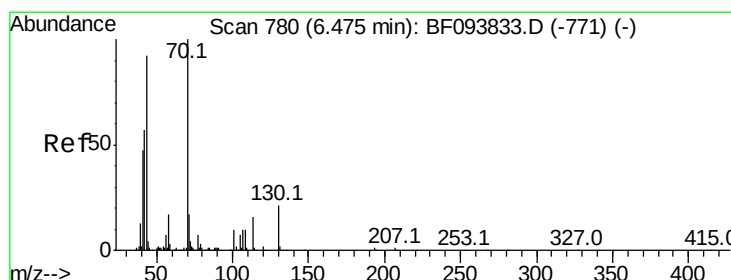
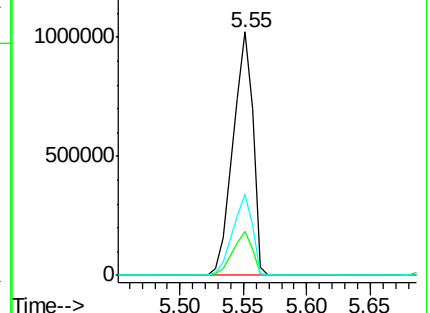
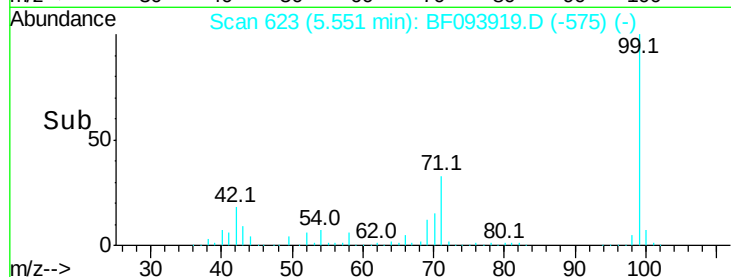
71 33.3 24.5 36.7



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: 14.60 ng

RT: 6.60 min Scan# 802

Delta R.T. 0.13 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

Tgt Ion: 70 Resp: 116745

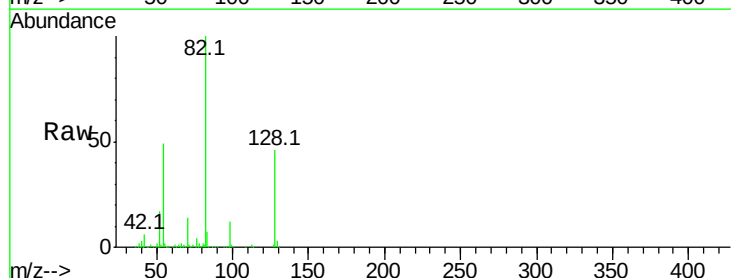
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

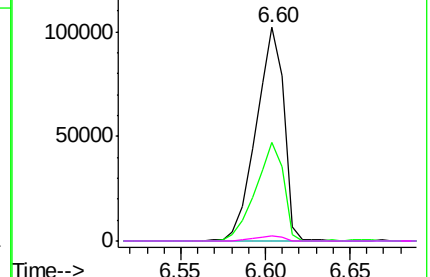
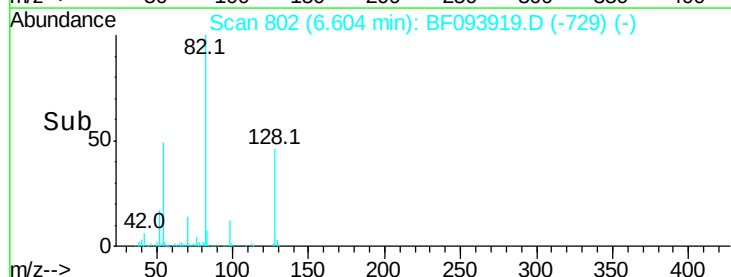


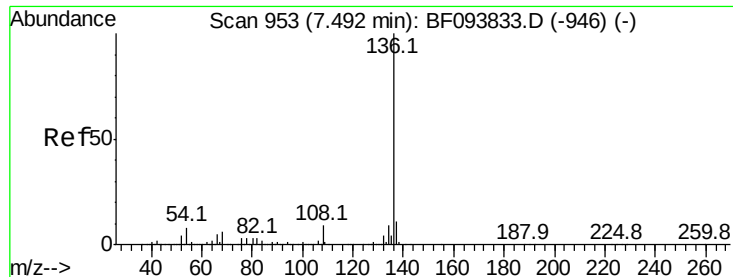
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

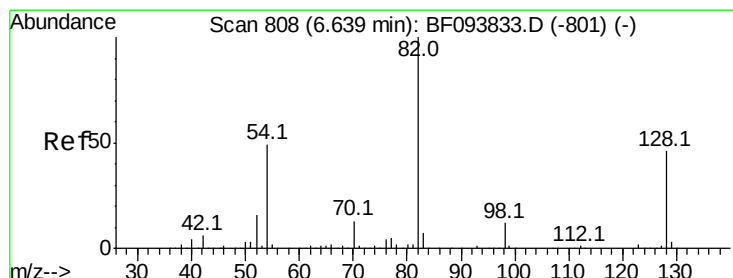
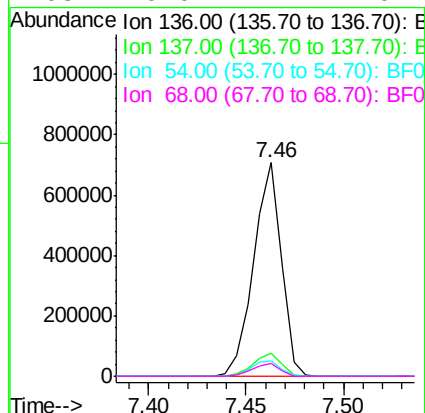
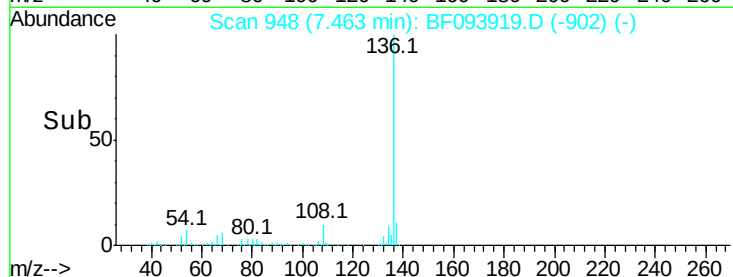
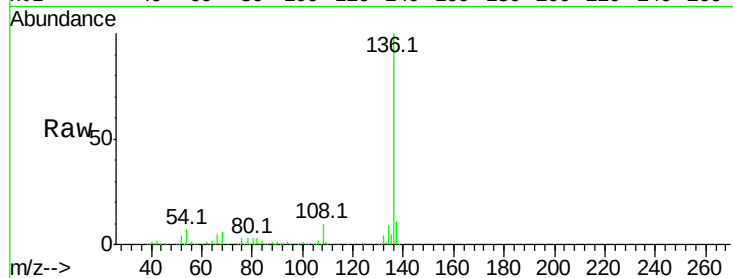




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.03 min
Lab File: BF093919.D
Acq: 24 Mar 2017 21:08

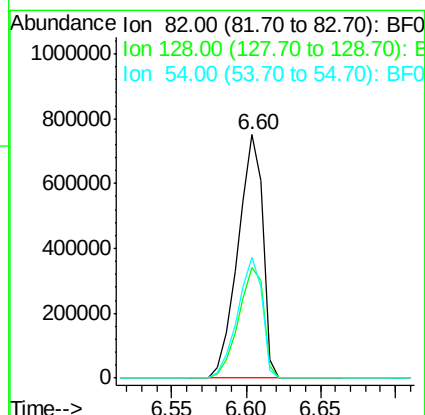
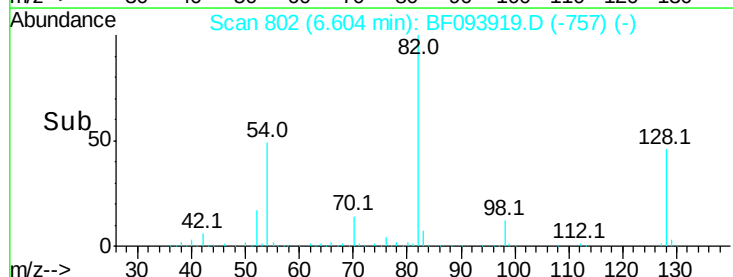
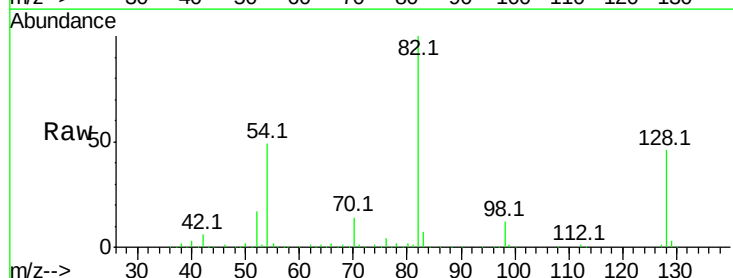
Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

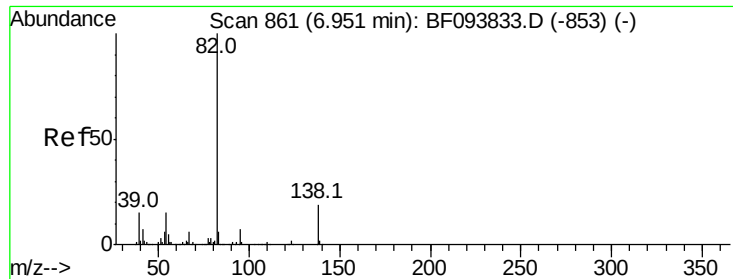
Tot Ion:	136	Resp:	694296
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.4	4.9	7.3#
68	6.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 71.78 ng
RT: 6.60 min Scan# 802
Delta R.T. -0.04 min
Lab File: BF093919.D
Acq: 24 Mar 2017 21:08

Tgt Ion:	82	Resp:	873297
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	49.4	42.2	63.2





#25

Isophorone

Concen: 2.60 ng

RT: 6.91 min Scan# 854

Delta R.T. -0.04 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

Instrument :

BNA_F

ClientSampleId :

3-4-DENSEGRADEAGGREGATE-R

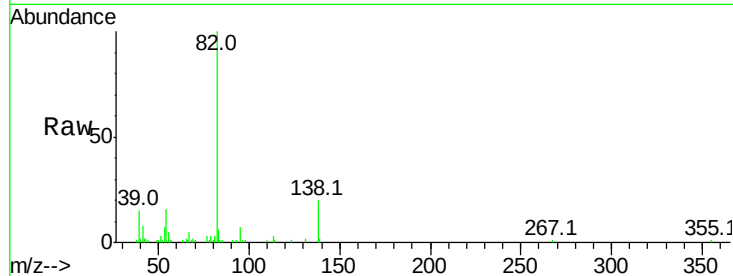
Tot Ion: 82 Resp: 55539

Ion Ratio Lower Upper

82 100

95 7.2 5.3 7.9

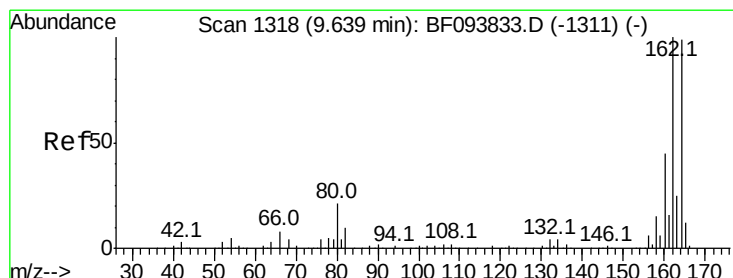
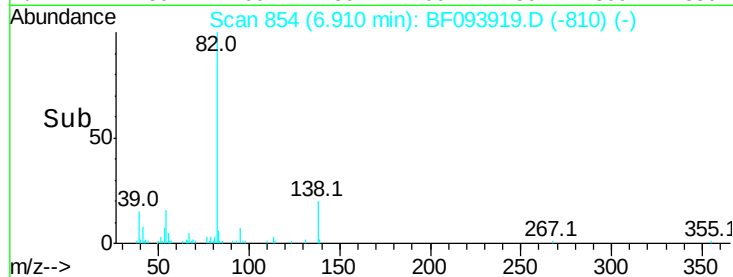
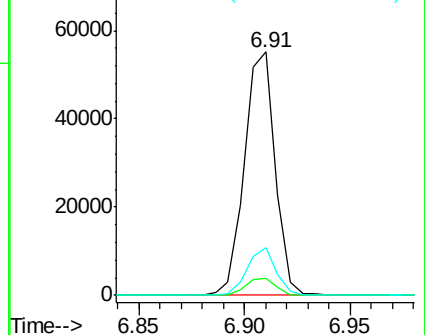
138 19.7 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 1312

Delta R.T. -0.04 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

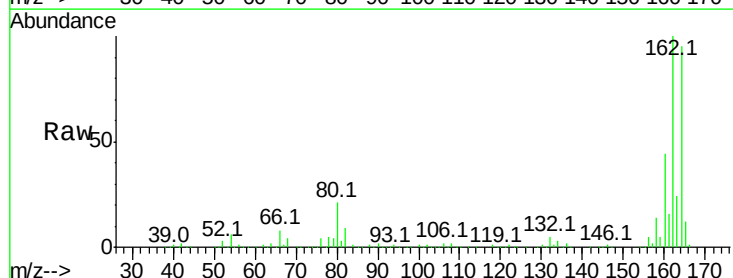
Tgt Ion: 164 Resp: 324046

Ion Ratio Lower Upper

164 100

162 105.3 82.6 123.8

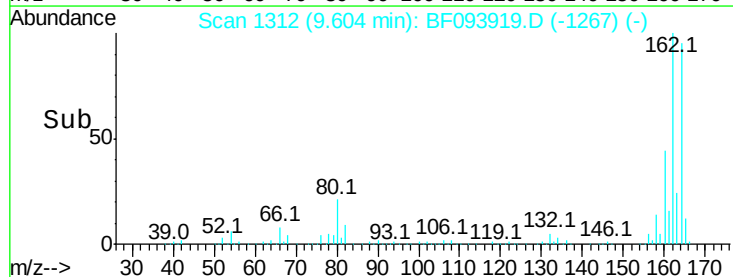
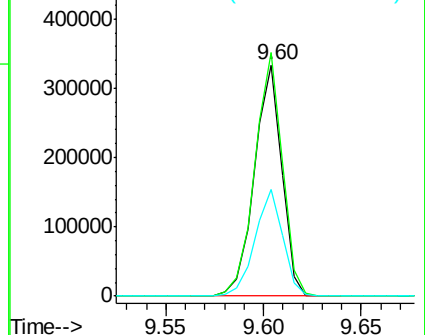
160 45.9 36.2 54.2

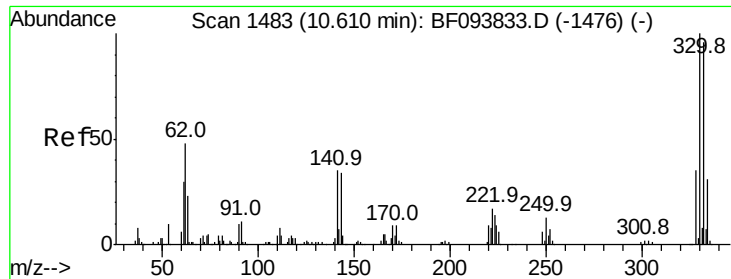


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

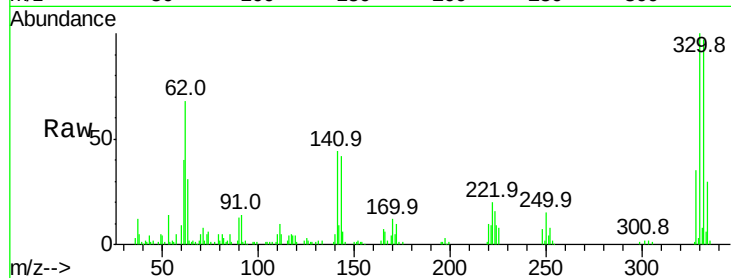




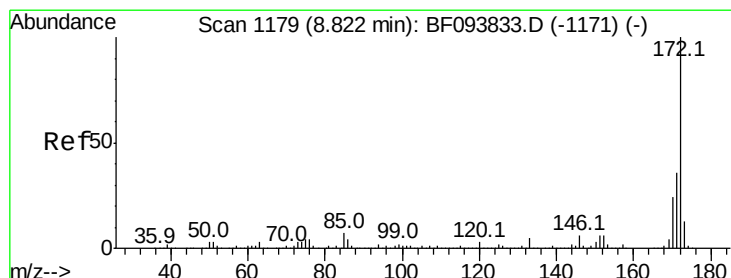
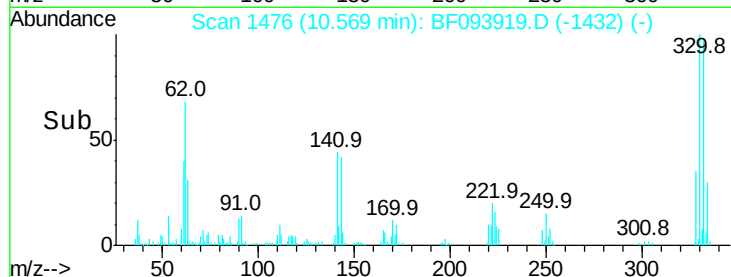
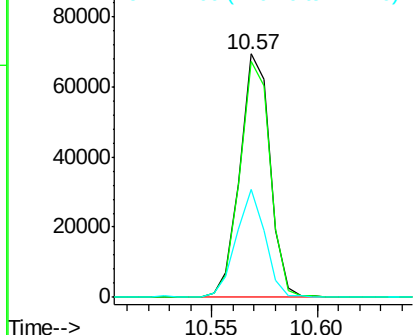
#41
 2,4,6-Tribromophenol
 Concen: 26.82 ng
 RT: 10.57 min Scan# 1476
 Delta R.T. -0.04 min
 Lab File: BF093919.D
 Acq: 24 Mar 2017 21:08

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSEGRADEAGGREGATE-R

Tot Ion:330 Resp: 68674
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 42.1 31.4 47.2

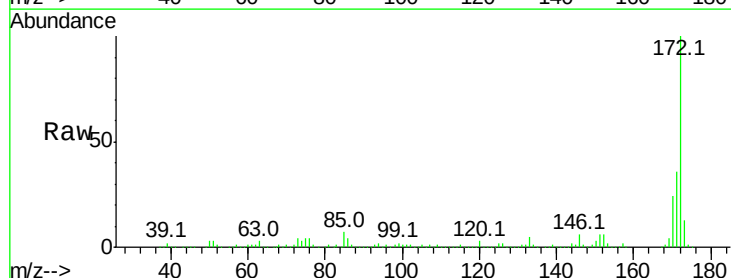


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

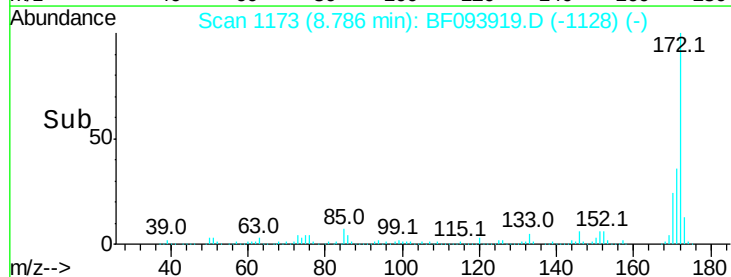
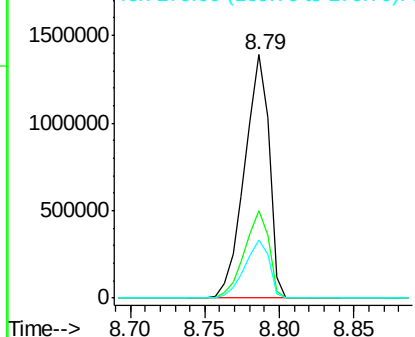


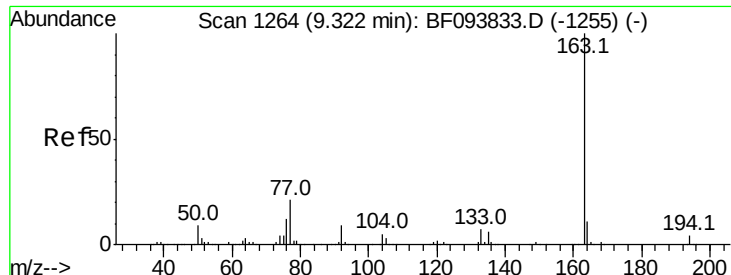
#44
 2-Fluorobiphenyl
 Concen: 74.61 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF093919.D
 Acq: 24 Mar 2017 21:08

Tgt Ion:172 Resp: 1585121
 Ion Ratio Lower Upper
 172 100
 171 36.1 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





#49

Dimethylphthalate

Concen: 3.50 ng

RT: 9.27 min Scan# 1256

Delta R.T. -0.05 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

Instrument :

BNA_F

ClientSampleId :

3-4-DENSEGRADEAGGREGATE-R

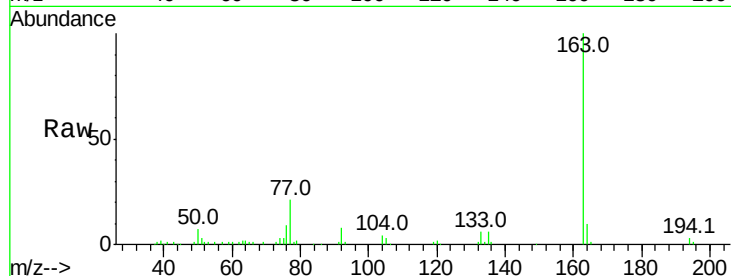
Tot Ion:163 Resp: 80603

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

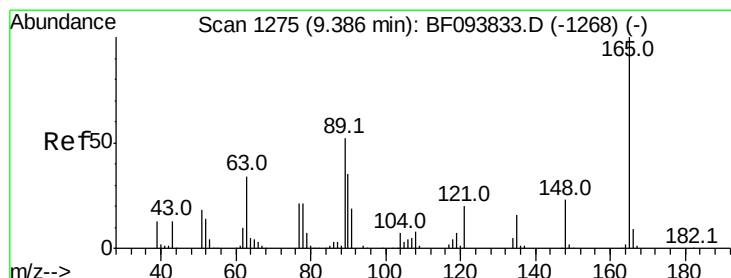
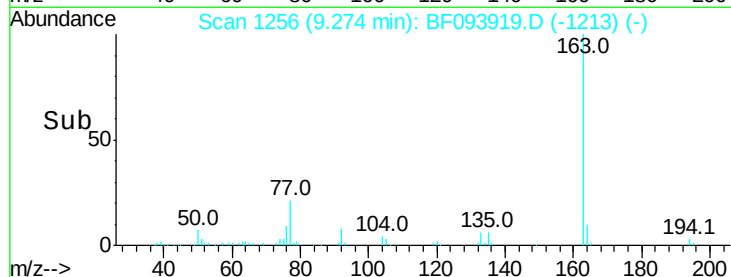
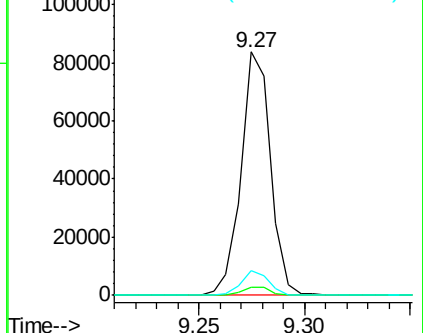
164 10.2 8.4 12.6



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: 7.91 ng

RT: 9.60 min Scan# 1312

Delta R.T. 0.22 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

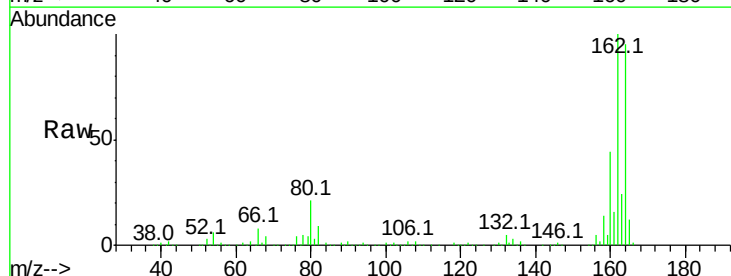
Tgt Ion:165 Resp: 41771

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

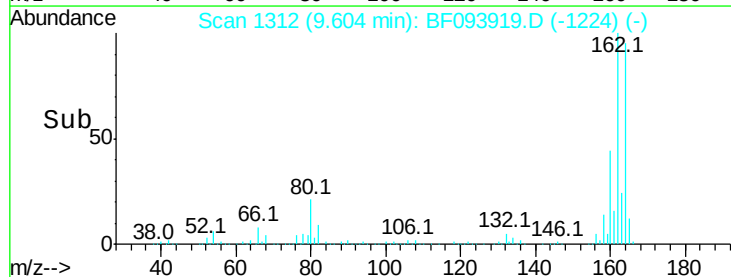
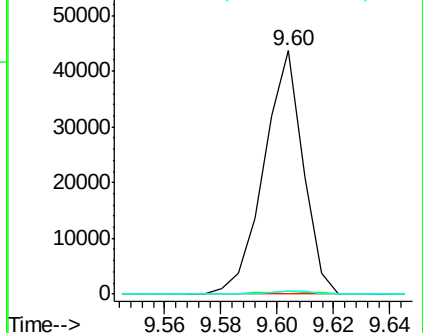
89 1.5 37.1 55.7#

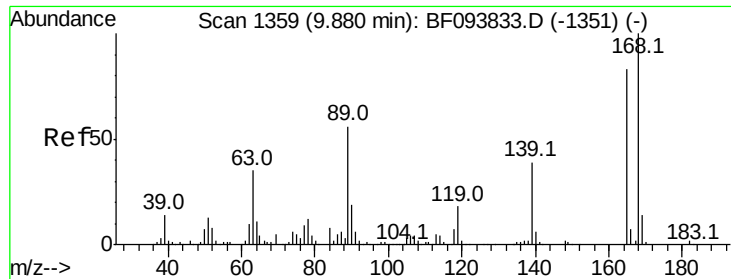


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

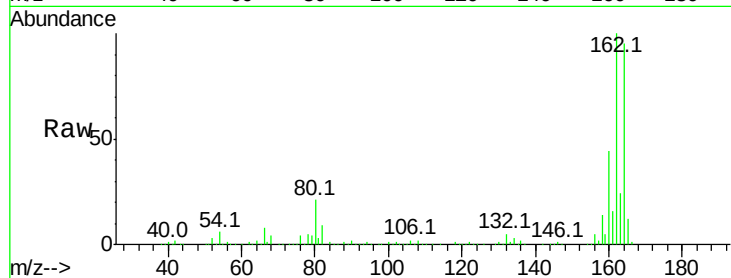




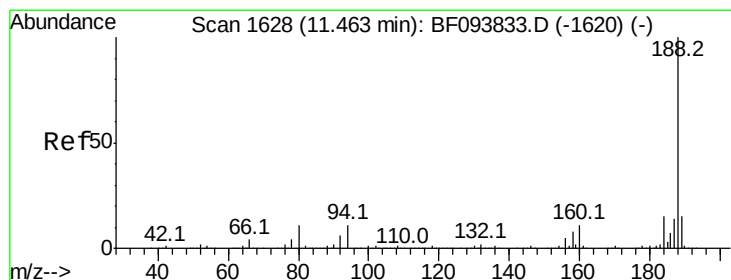
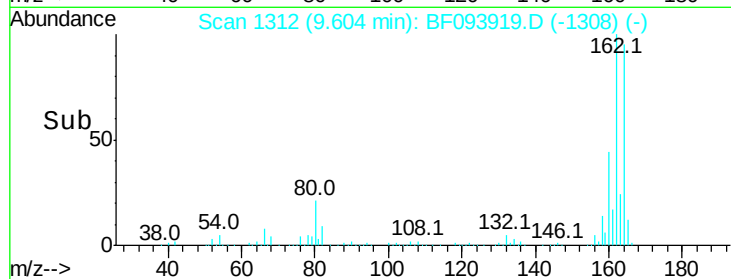
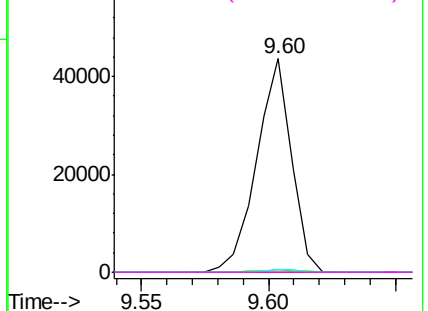
#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.28 min
 Lab File: BF093919.D
 Acq: 24 Mar 2017 21:08

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSEGRADEAGGREGATE-R

Tot Ion:165 Resp: 41772
 Ion Ratio Lower Upper
 165 100
 63 1.3 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#

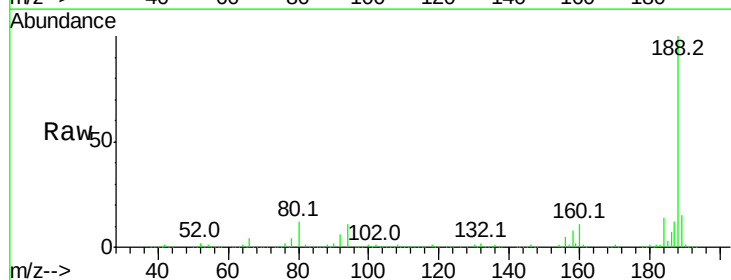


Abundance Ion 165.00 (164.70 to 165.70): E

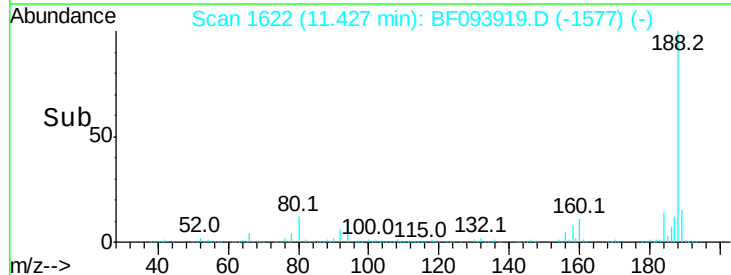
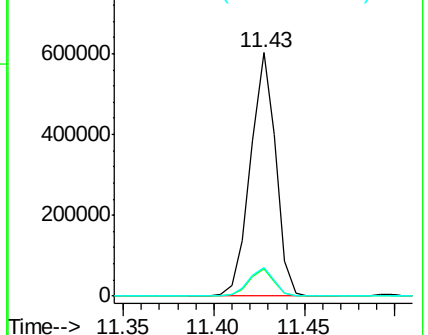


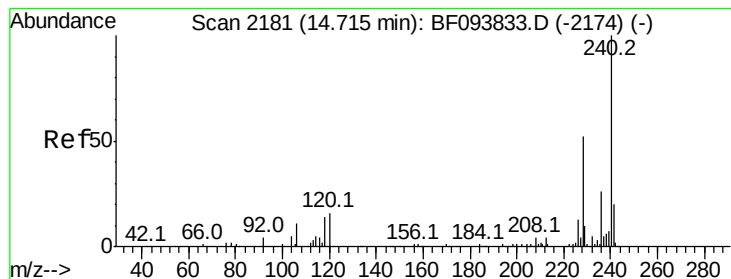
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1622
 Delta R.T. -0.04 min
 Lab File: BF093919.D
 Acq: 24 Mar 2017 21:08

Tgt Ion:188 Resp: 582929
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 11.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.68 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

Instrument :

BNA_F

ClientSampleId :

3-4-DENSEGRADEAGGREGATE-R

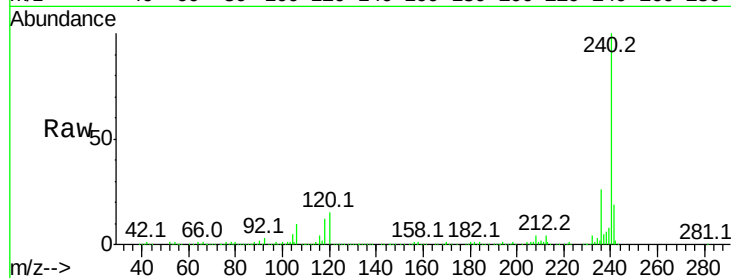
Tot Ion:240 Resp: 493797

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

236 26.0 20.5 30.7

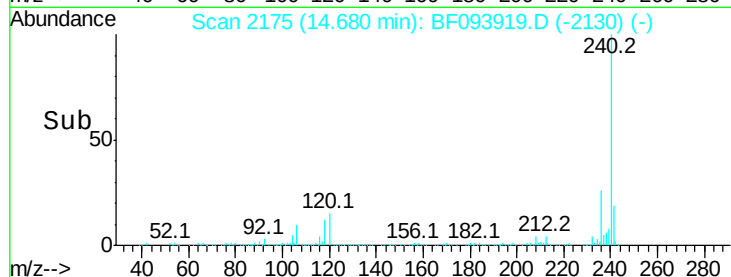


Abundance Ion 240.00 (239.70 to 240.70): E

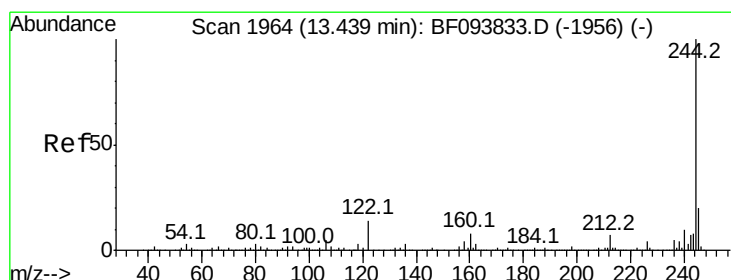
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.68



Time--> 14.60 14.65 14.70 14.75



#78

Terphenyl-d14

Concen: 62.74 ng

RT: 13.41 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BF093919.D

Acq: 24 Mar 2017 21:08

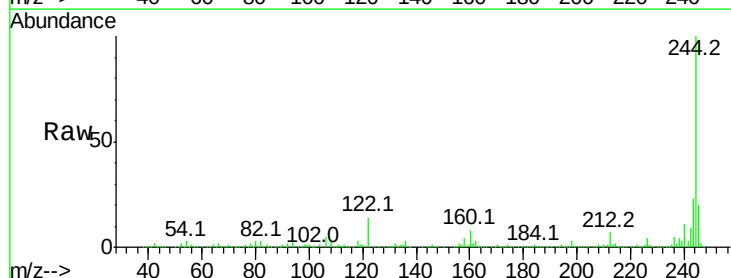
Tgt Ion:244 Resp: 1382191

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 13.9 10.3 15.5

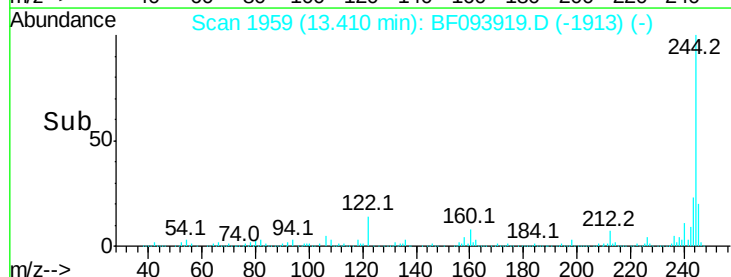


Abundance Ion 244.00 (243.70 to 244.70): E

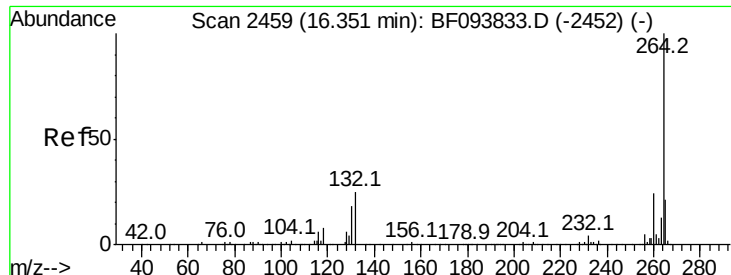
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.41



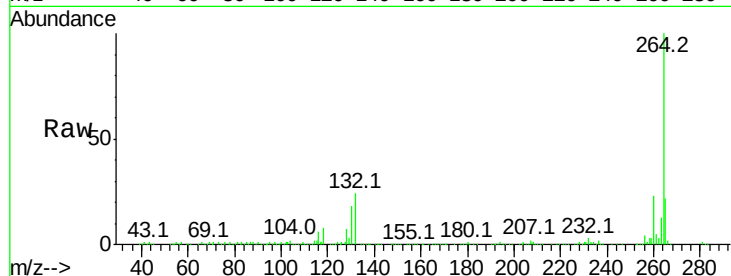
Time--> 13.40 13.50



#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.32 min Scan# 2453
Delta R.T. -0.04 min
Lab File: BF093919.D
Acq: 24 Mar 2017 21:08

Instrument :
BNA_F
ClientSampleId :
3-4-DENSEGRADEAGGREGATE-R

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.8	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

