

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093956.D
 Acq On : 27 Mar 2017 21:50
 Operator : SJ/MA
 Sample : I2409-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PZ-3

Quant Time: Mar 28 00:28:53 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

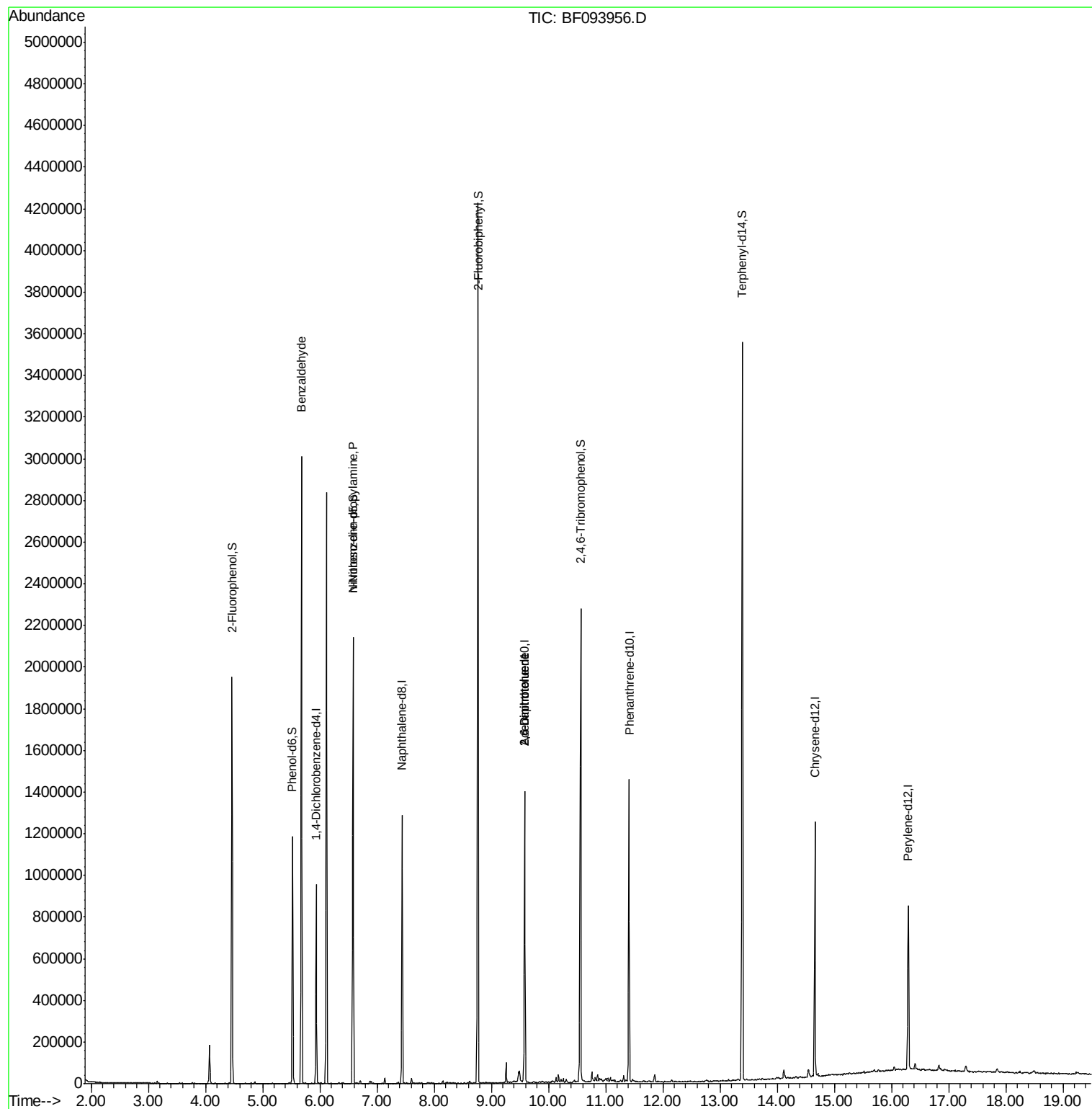
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	162821	20.00	ng	-0.02
21) Naphthalene-d8	7.44	136	663348	20.00	ng	-0.02
38) Acenaphthene-d10	9.59	164	311012	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	550432	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	462563	20.00	ng	-0.02
86) Perylene-d12	16.30	264	341947	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	527101	54.68	ng	-0.01
7) Phenol-d6	5.53	99	441860	37.05	ng	-0.02
23) Nitrobenzene-d5	6.59	82	844948	72.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	337295	137.24	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1612597	79.08	ng	-0.01
78) Terphenyl-d14	13.39	244	1477163	71.58	ng	-0.01
Target Compounds						
9) Benzaldehyde	5.68	77	19056	2.37	ng	Qvalue 81
19) n-Nitroso-di-n-propylamine	6.59	70	111660	14.57	ng	# 76
50) 2,6-Dinitrotoluene	9.59	165	40351	7.96	ng	# 34
56) 2,4-Dinitrotoluene	9.59	165	40351	6.34	ng	# 33

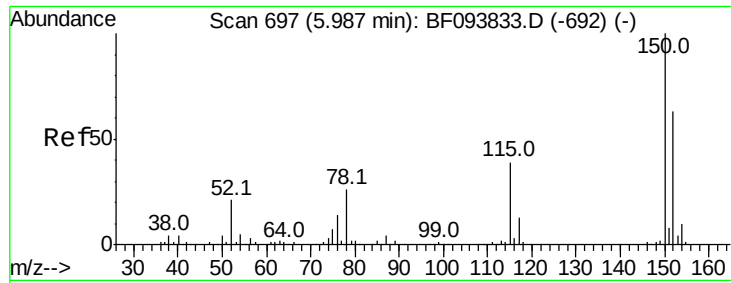
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF093956.D

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BNA_F

ClientSampleId :

PZ-3

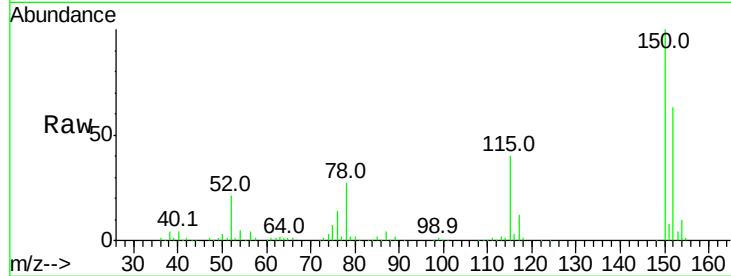
Tot Ion:152 Resp: 162821

Ion Ratio Lower Upper

152 100

150 159.8 126.2 189.2

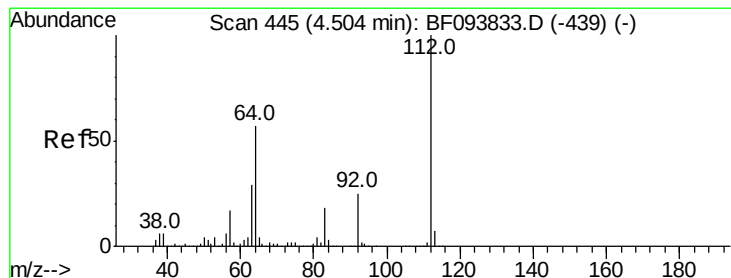
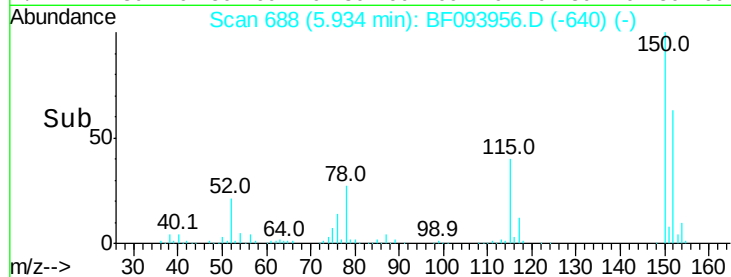
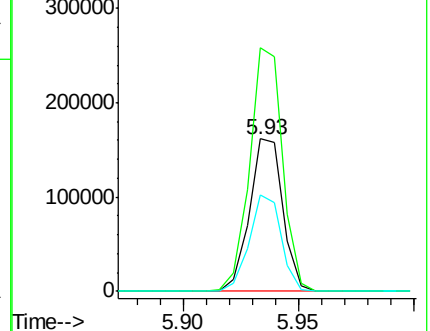
115 63.3 52.2 78.2



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: 54.68 ng

RT: 4.46 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

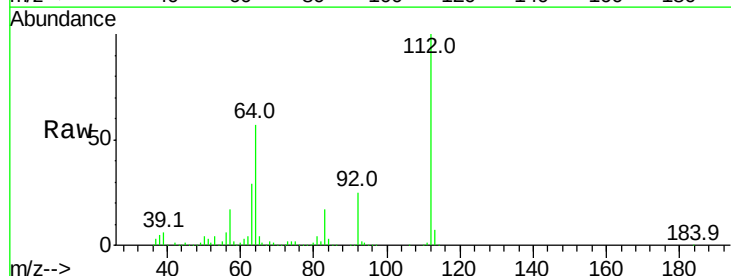
Tgt Ion:112 Resp: 527101

Ion Ratio Lower Upper

112 100

64 57.0 46.0 69.0

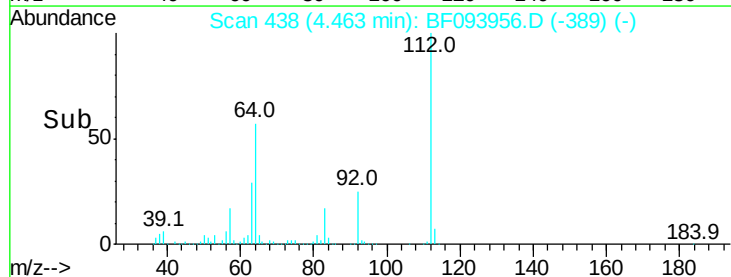
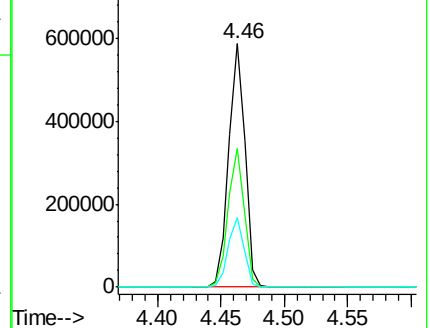
63 28.7 23.4 35.0

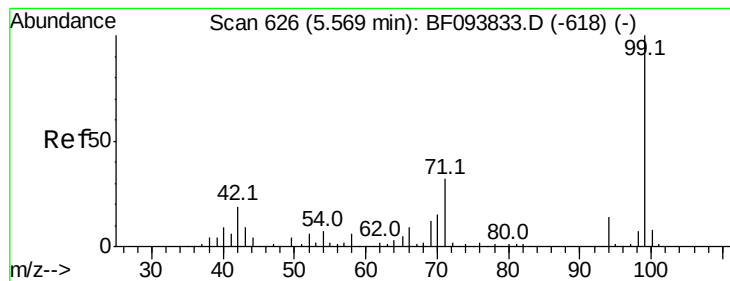


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.05 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

Instrument :

BNA_F

ClientSampleId :

PZ-3

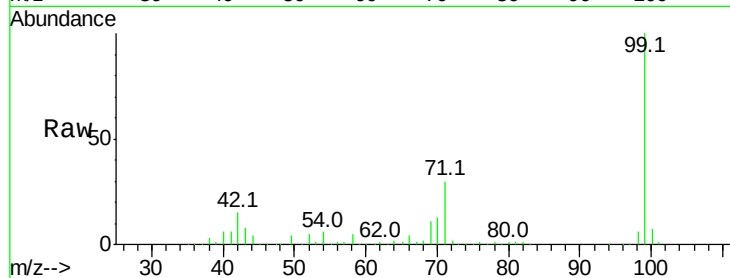
Tot Ion: 99 Resp: 441860

Ion Ratio Lower Upper

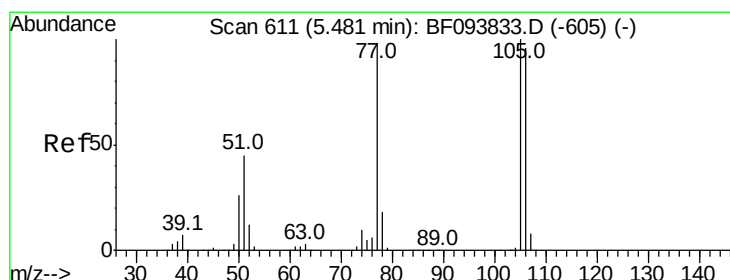
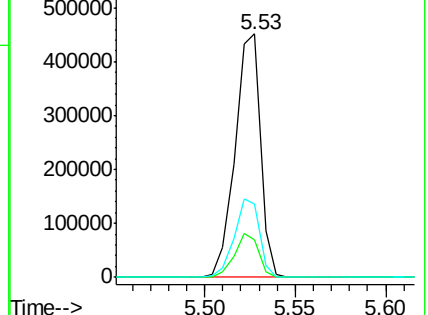
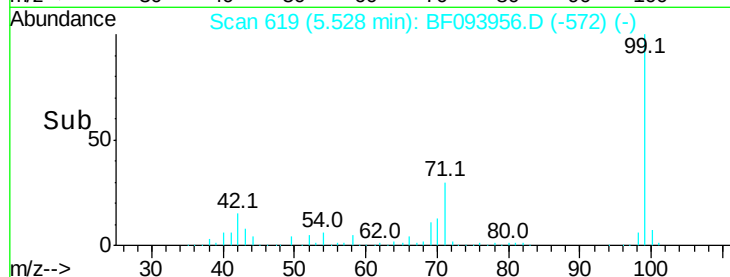
99 100

42 15.5 13.5 20.3

71 30.3 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



#9

Benzaldehyde

Concen: 2.37 ng

RT: 5.68 min Scan# 645

Delta R.T. 0.24 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

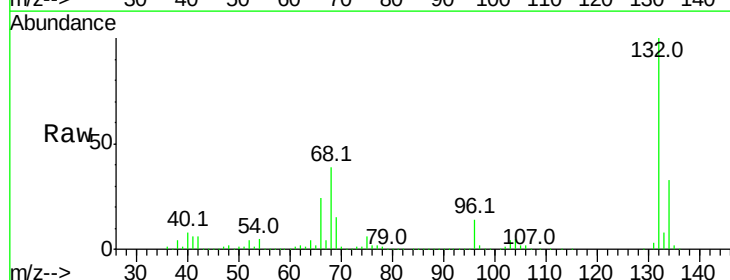
Tgt Ion: 77 Resp: 19056

Ion Ratio Lower Upper

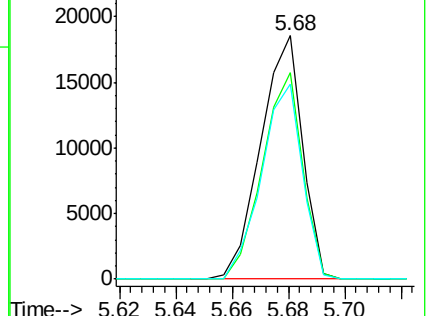
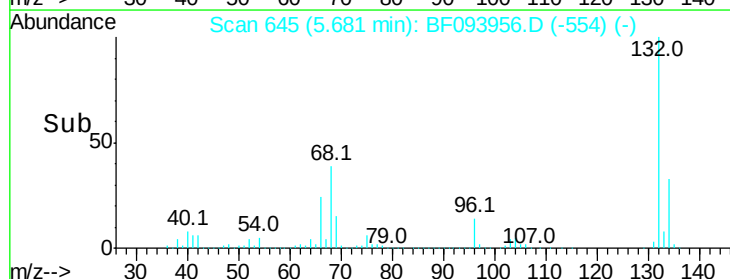
77 100

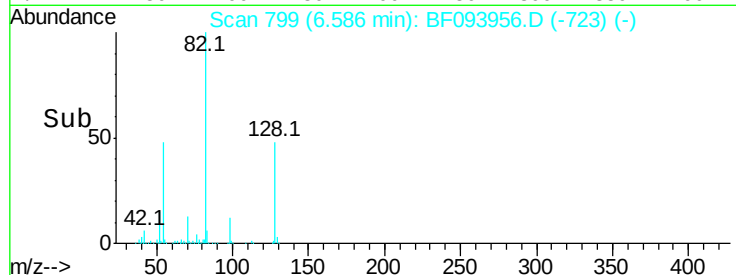
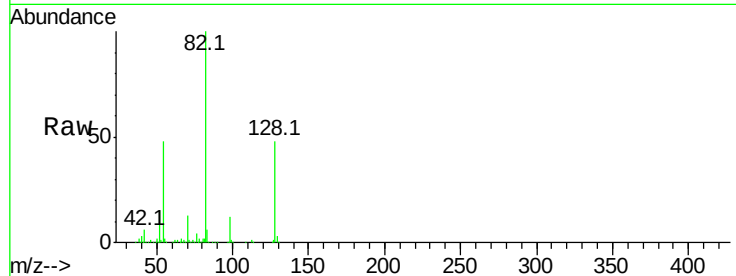
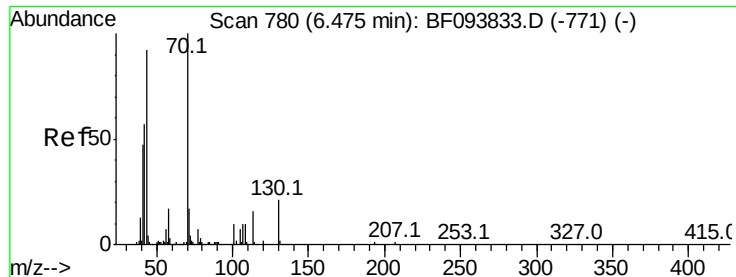
105 84.6 83.8 123.8

106 80.2 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

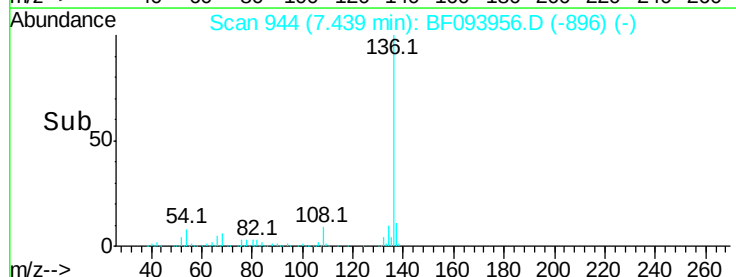
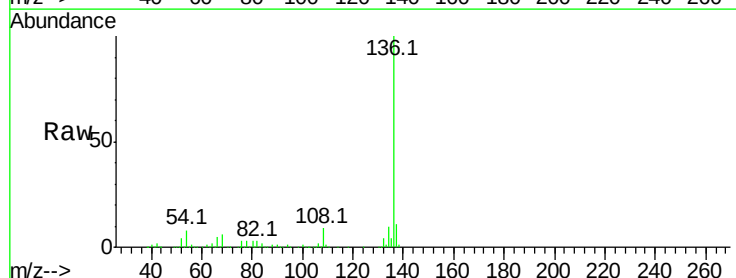
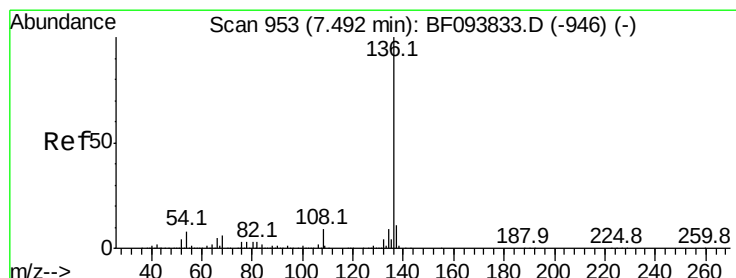
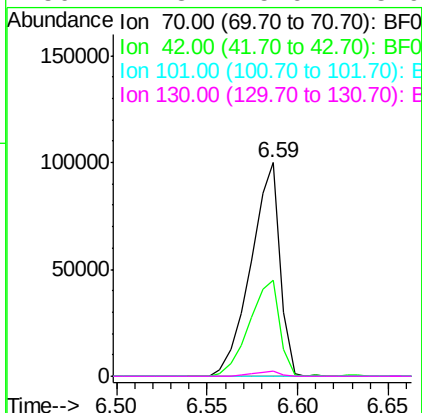




#19
n-Nitroso-di-n-propylamine
Concen: 14.57 ng
RT: 6.59 min Scan# 799
Delta R.T. 0.15 min
Lab File: BF093956.D
Acq: 27 Mar 2017 21:50

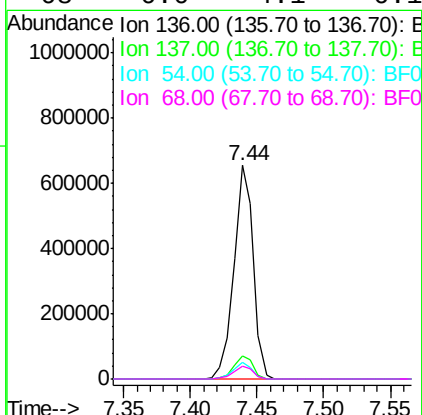
Instrument :
BNA_F
ClientSampleId :
PZ-3

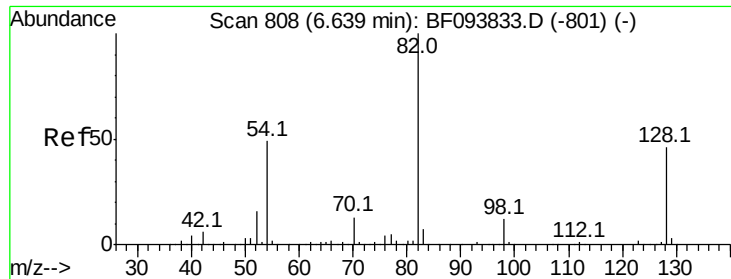
Tot Ion:	70	Resp:	111660
Ion	Ratio	Lower	Upper
70	100		
42	45.1	47.2	70.8#
101	0.0	7.2	10.8#
130	2.3	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.44 min Scan# 944
Delta R.T. -0.02 min
Lab File: BF093956.D
Acq: 27 Mar 2017 21:50

Tgt Ion:	136	Resp:	663348
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.8	4.9	7.3#
68	6.0	4.1	6.1

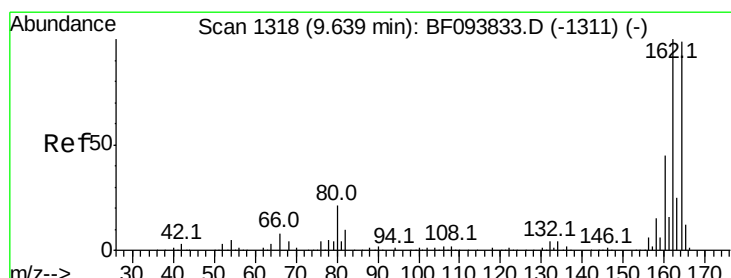
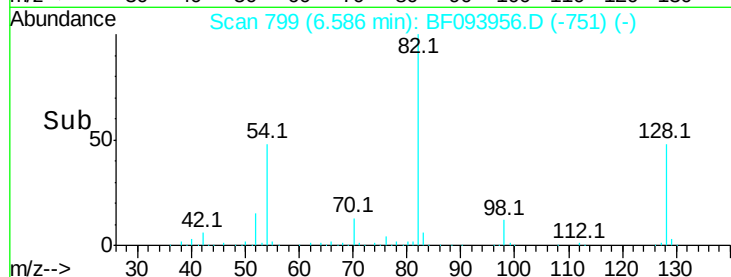
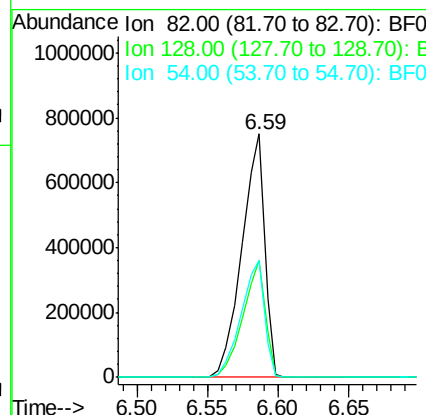
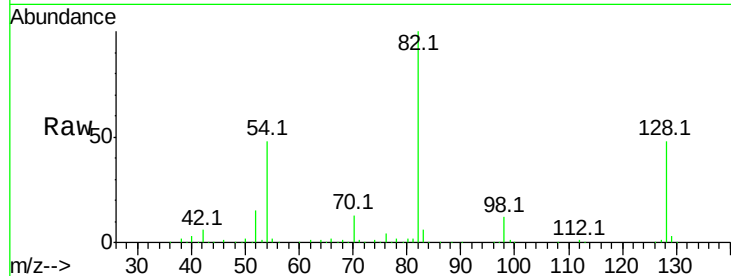




#23
 Nitrobenzene-d5
 Concen: 72.69 ng
 RT: 6.59 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF093956.D
 Acq: 27 Mar 2017 21:50

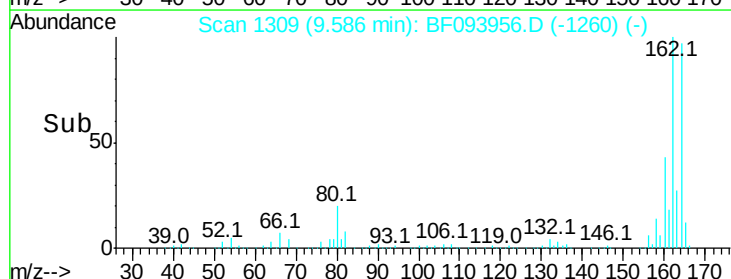
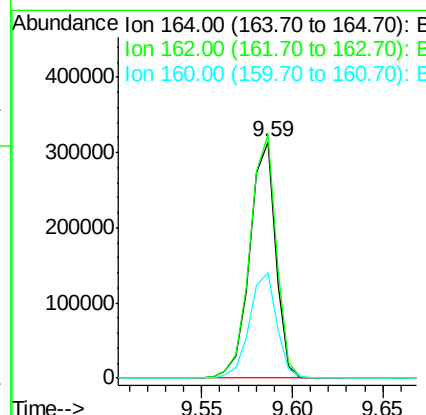
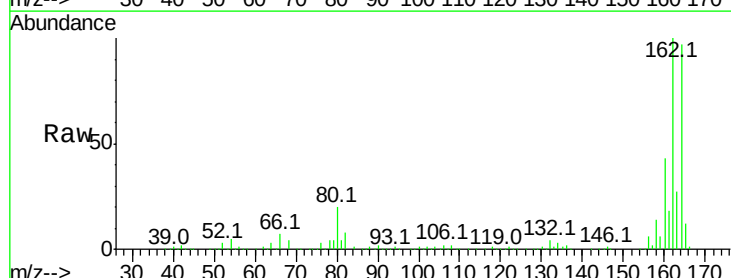
Instrument :
 BNA_F
 ClientSampled :
 PZ-3

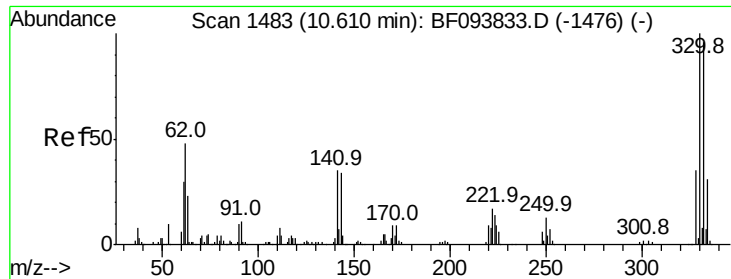
Tot Ion: 82 Resp: 844948
 Ion Ratio Lower Upper
 82 100
 128 47.9 34.0 51.0
 54 47.8 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF093956.D
 Acq: 27 Mar 2017 21:50

Tgt Ion: 164 Resp: 311012
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 44.8 36.2 54.2

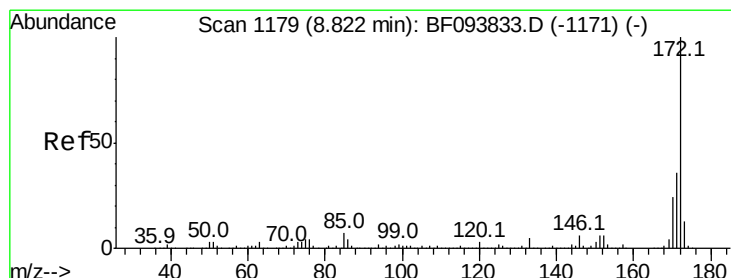
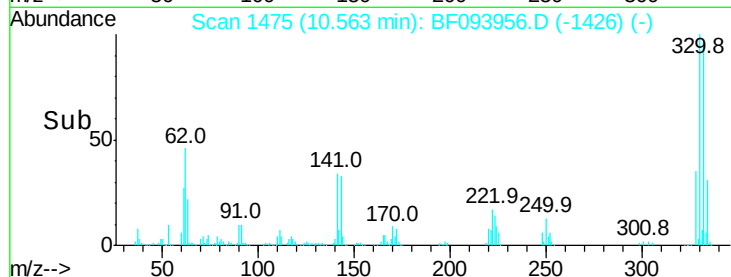
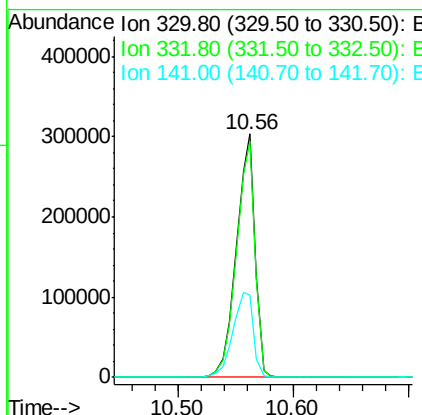
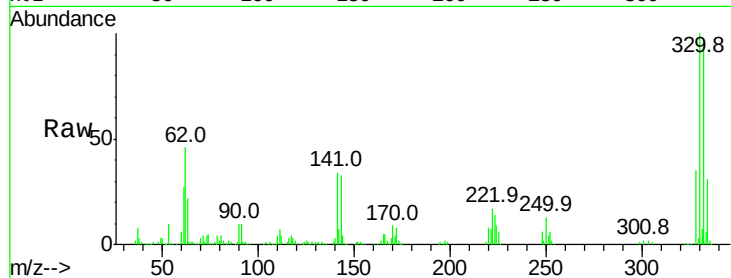




#41
 2,4,6-Tribromophenol
 Concen: 137.24 ng
 RT: 10.56 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF093956.D
 Acq: 27 Mar 2017 21:50

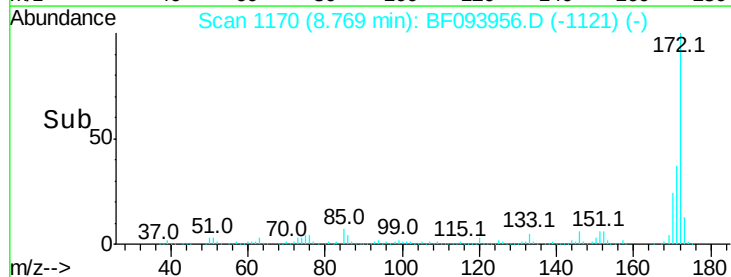
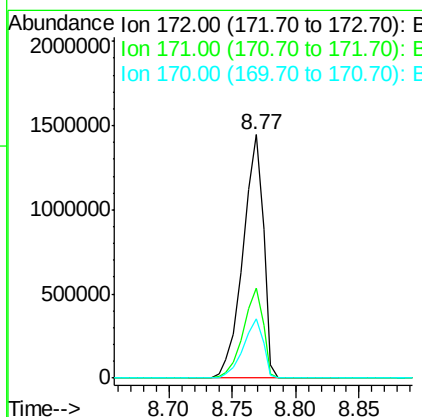
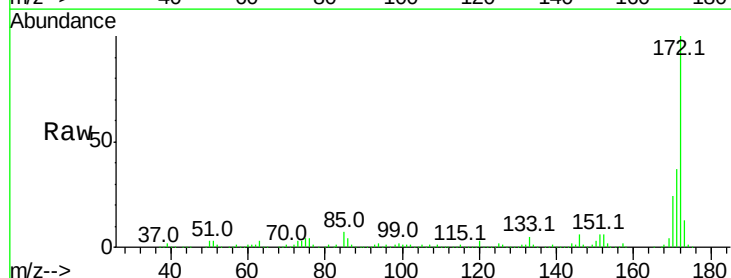
Instrument :
 BNA_F
 ClientSampleId :
 PZ-3

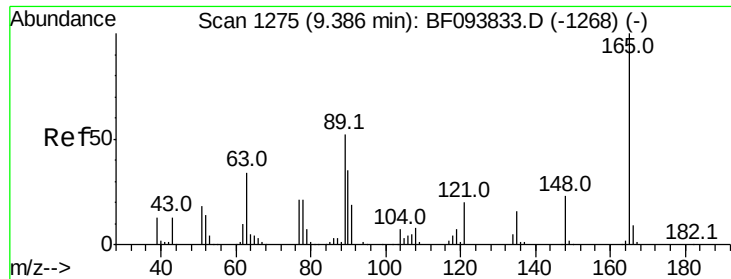
Tot Ion:330 Resp: 337295
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 38.3 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 79.08 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093956.D
 Acq: 27 Mar 2017 21:50

Tgt Ion:172 Resp: 1612597
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.1 19.8 29.8

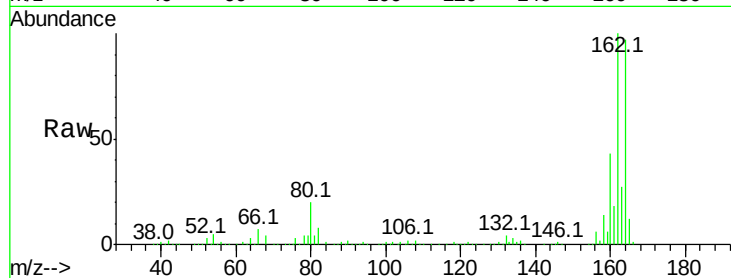




#50
 2,6-Dinitrotoluene
 Concen: 7.96 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. 0.24 min
 Lab File: BF093956.D
 Acq: 27 Mar 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 PZ-3

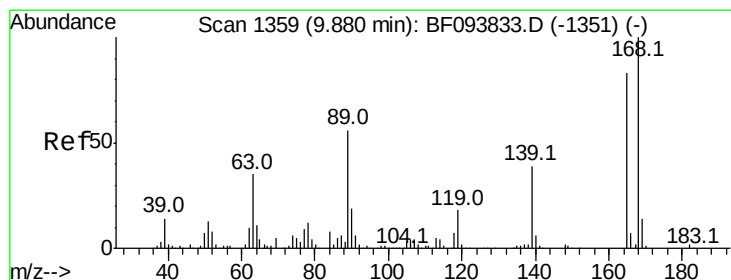
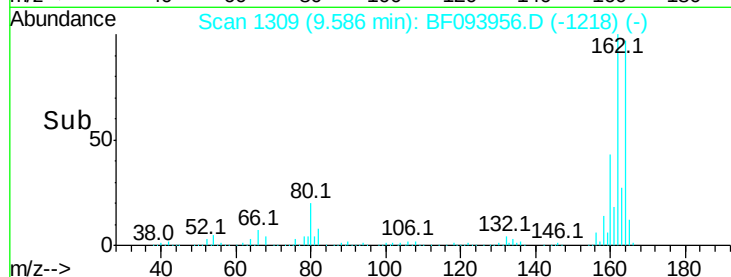
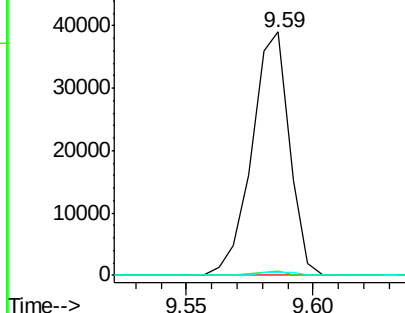
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.1	37.1	55.7#



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: 6.34 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. -0.26 min
 Lab File: BF093956.D
 Acq: 27 Mar 2017 21:50

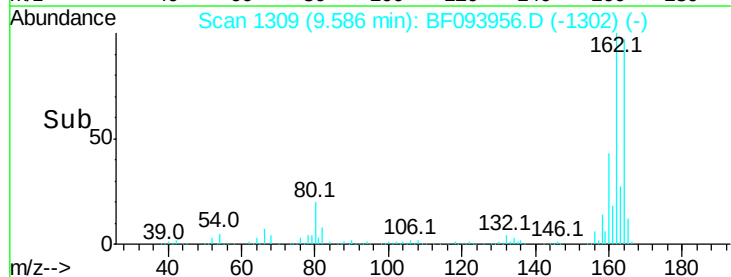
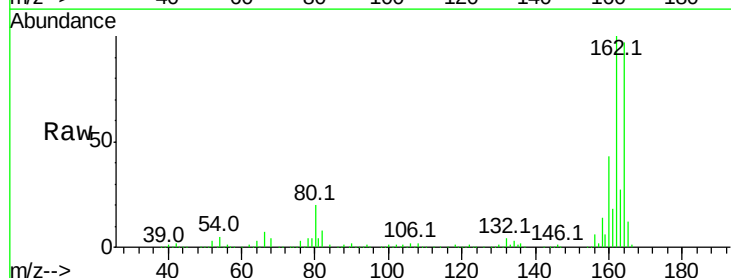
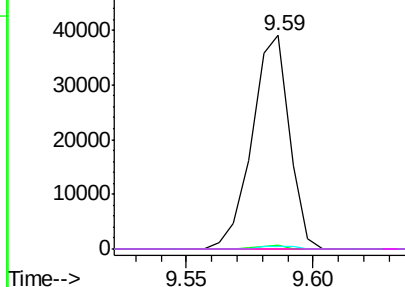
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

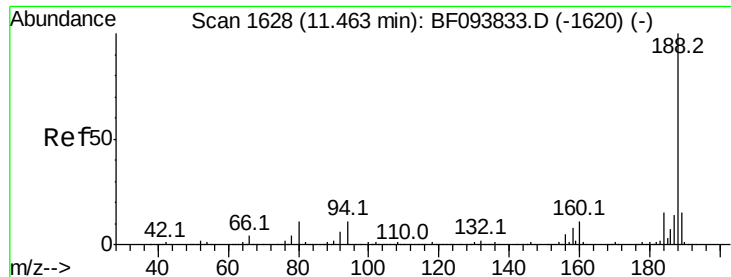
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

Instrument :

BNA_F

ClientSampleId :

PZ-3

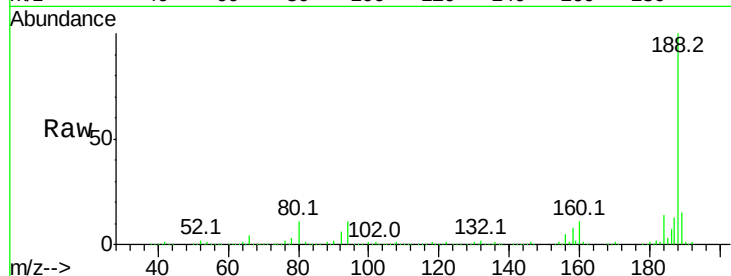
Tot Ion:188 Resp: 550432

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

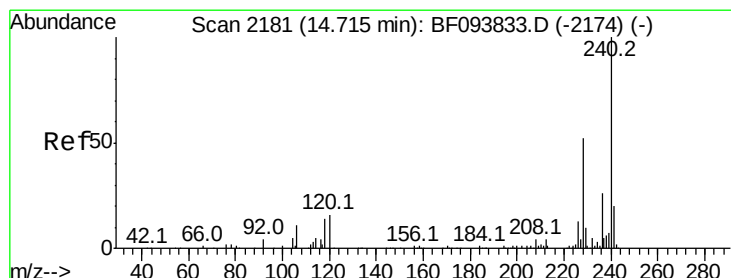
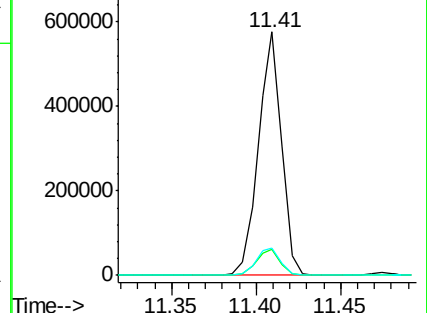
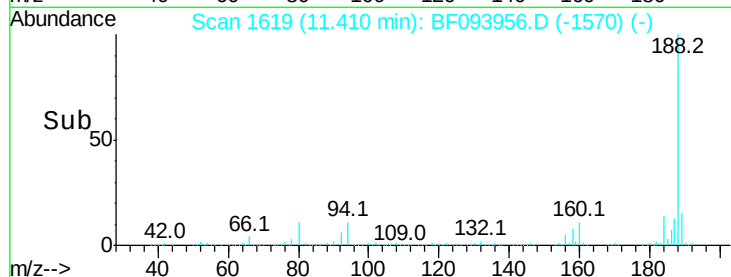
80 11.1 10.2 15.2



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# 2172

Delta R.T. -0.02 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

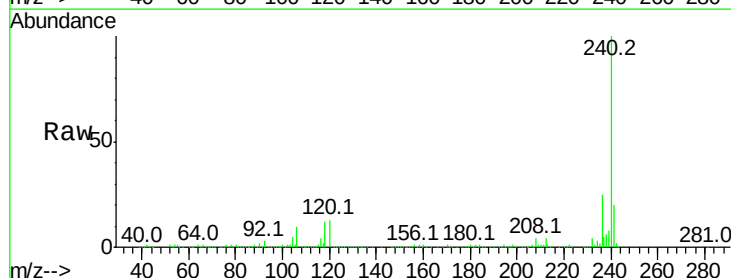
Tgt Ion:240 Resp: 462563

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

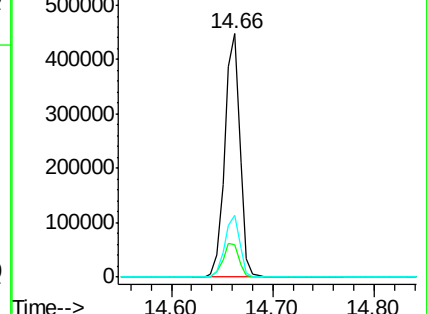
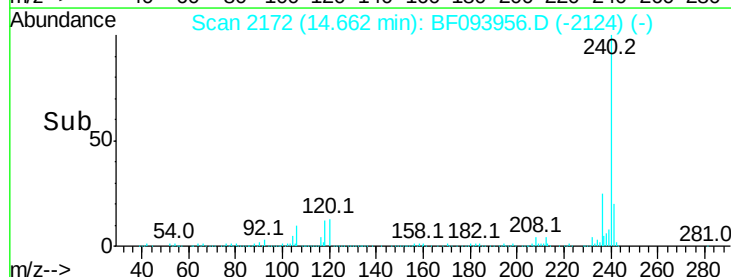
236 25.4 20.5 30.7

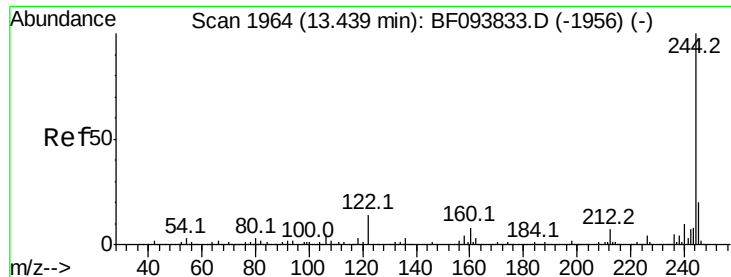


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.58 ng

RT: 13.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

Instrument :

BNA_F

ClientSampleId :

PZ-3

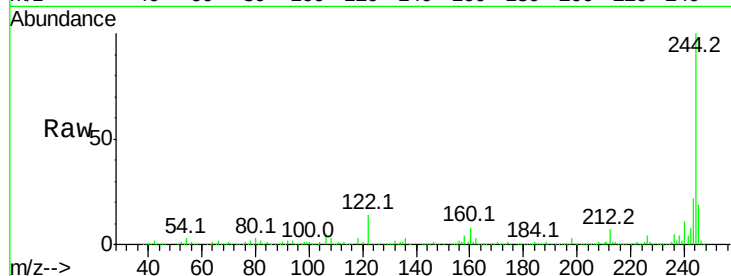
Tot Ion:244 Resp: 1477163

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

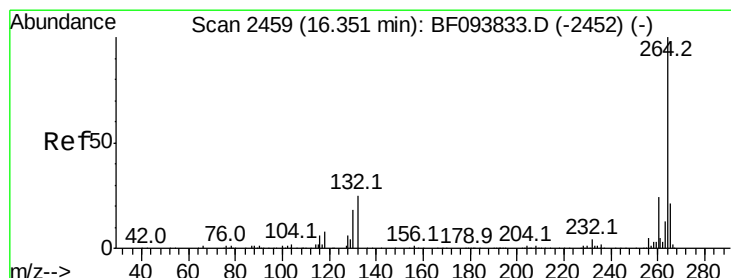
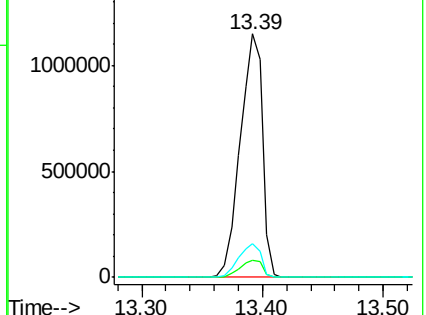
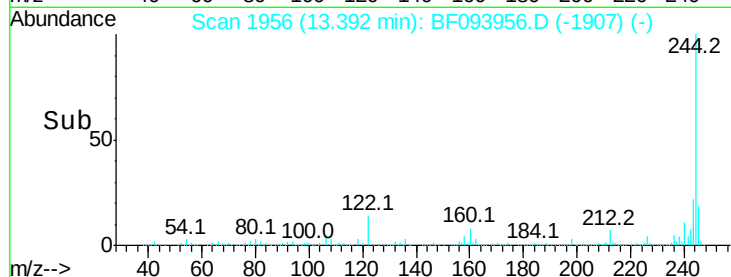
122 13.8 10.3 15.5



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: 16.30 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BF093956.D

Acq: 27 Mar 2017 21:50

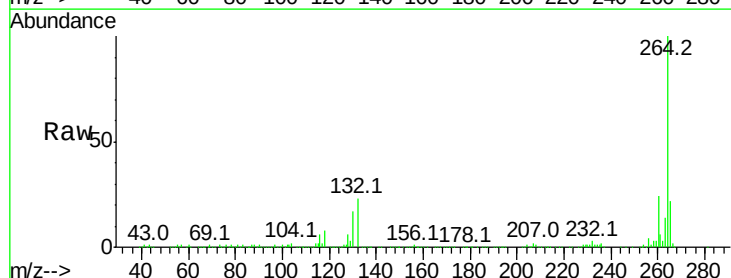
Tgt Ion:264 Resp: 341947

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 22.0 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

