

Data Path : Z:\HPCHEM1\BNA F\Data\BF022317\
 Data File : BF093099.D
 Acq On : 23 Feb 2017 10:12
 Operator : SJ/MA
 Sample : PB97103BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BL

Quant Time: Feb 23 12:27:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

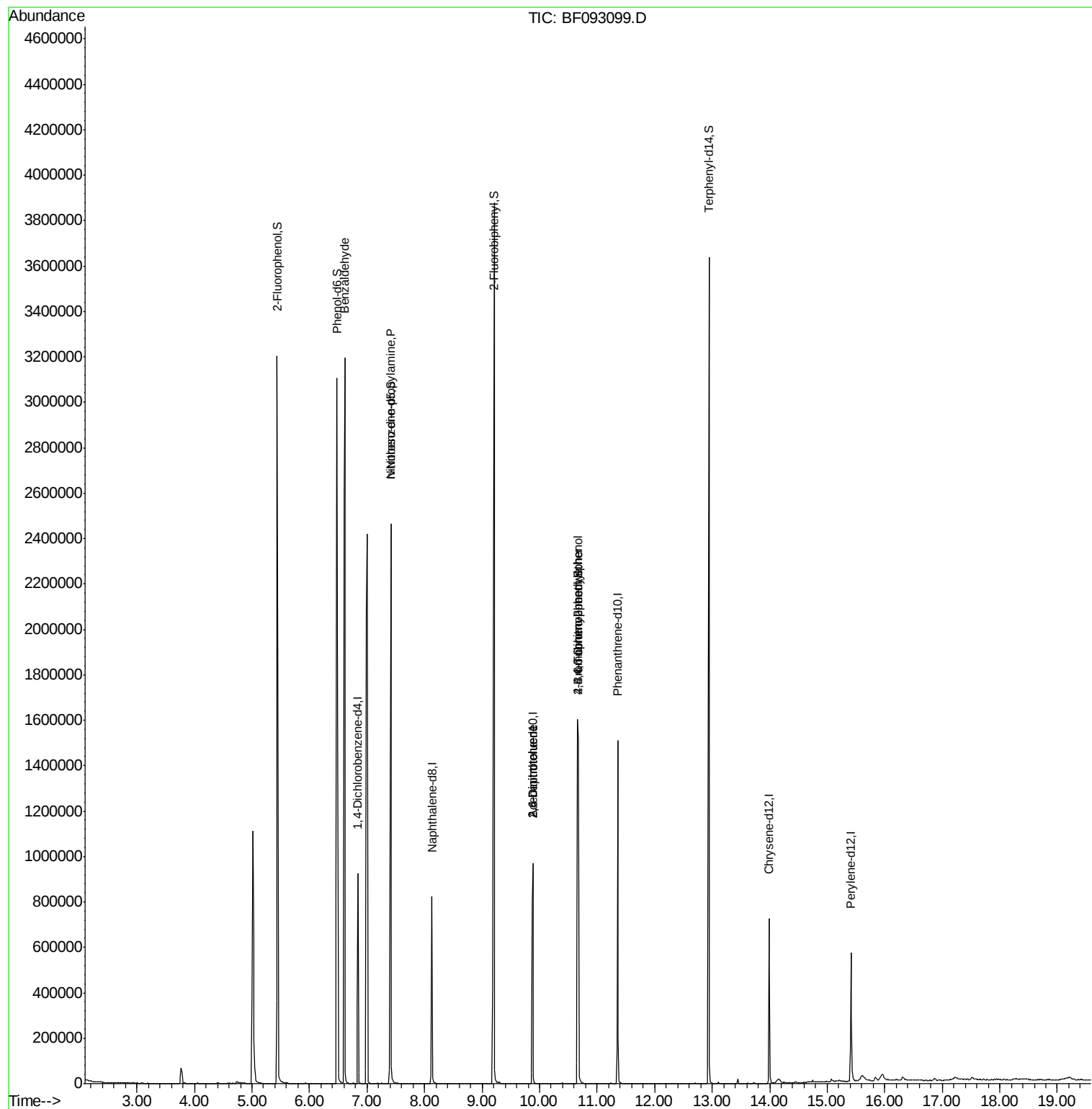
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	153881	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	588928	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	271429	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	513817	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	334891	20.00	ng	-0.03
86) Perylene-d12	15.41	264	259368	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1107933	123.52	ng	-0.01
7) Phenol-d6	6.48	99	1348650	116.86	ng	-0.01
23) Nitrobenzene-d5	7.41	82	946993	89.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	287312	146.35	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1602685	106.97	ng	-0.01
78) Terphenyl-d14	12.95	244	1298631	91.11	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.61	77	24711	2.99	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.41	70	123667	16.83	ng	# 79
50) 2,6-Dinitrotoluene	9.88	165	34644	8.77	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	34644	6.59	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	644	2.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	19868	3.70	ng	# 1

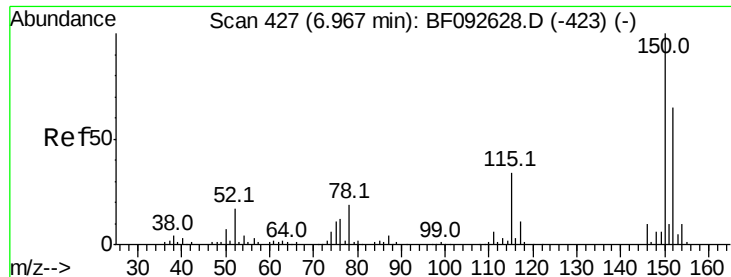
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093099.D

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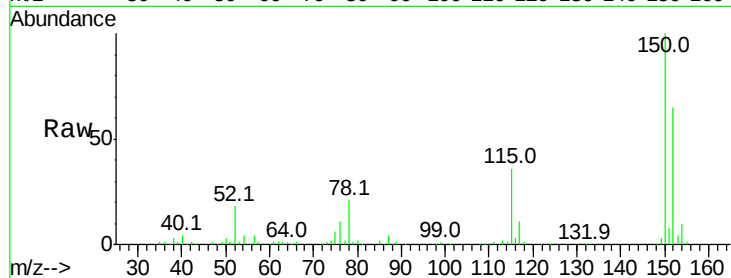
Tot Ion:152 Resp: 153881

Ion Ratio Lower Upper

152 100

150 154.5 124.9 187.3

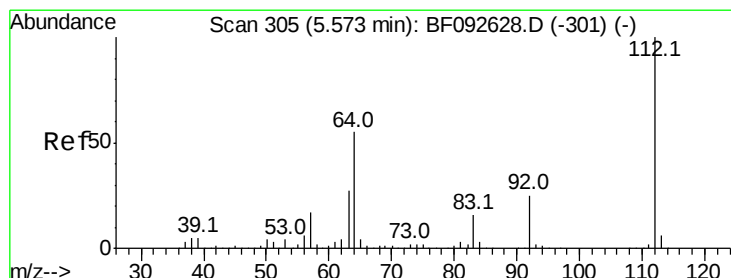
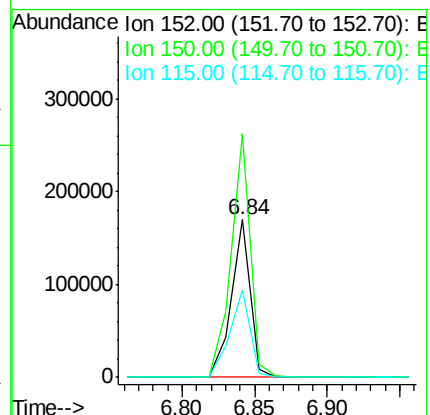
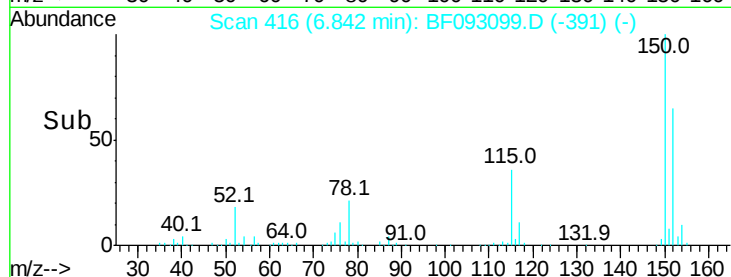
115 55.7 46.0 69.0



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: 123.52 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

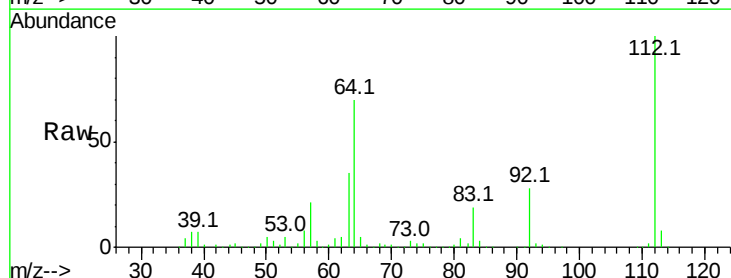
Tgt Ion:112 Resp: 1107933

Ion Ratio Lower Upper

112 100

64 70.1 46.1 69.1#

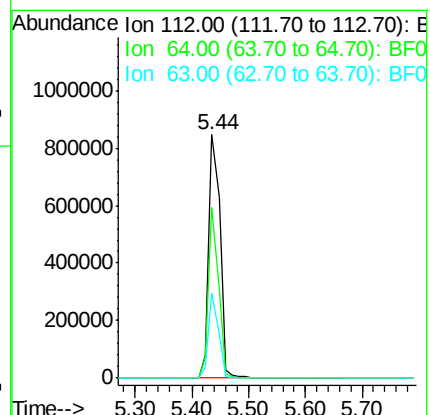
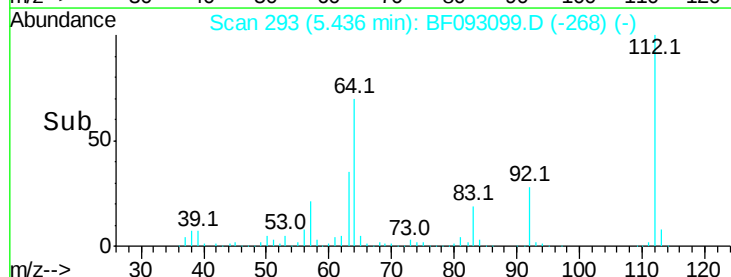
63 34.9 23.8 35.6

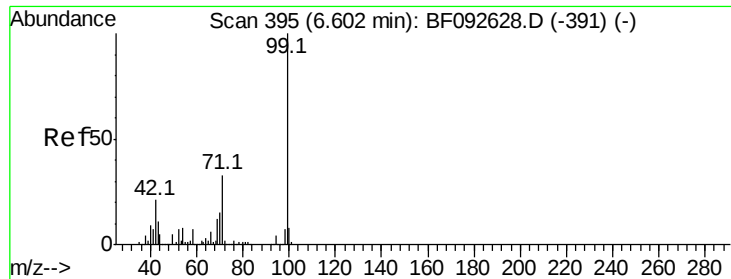


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.86 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

Instrument :

BNA_F

ClientSampleId :

PB97103BL

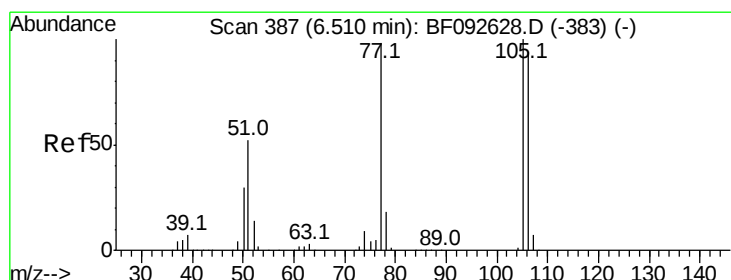
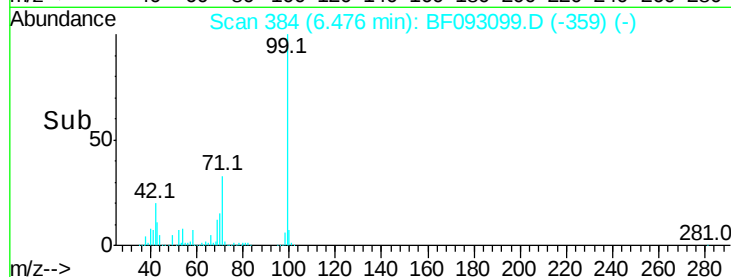
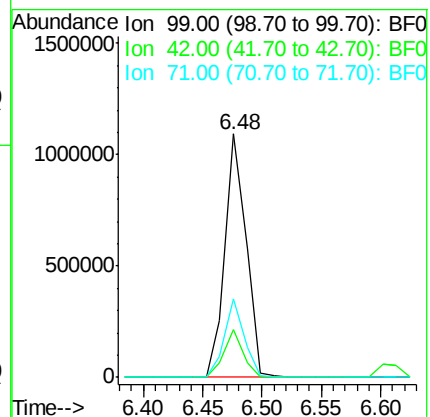
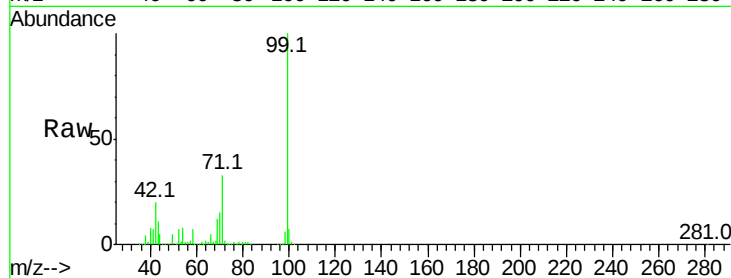
Tot Ion: 99 Resp: 1348650

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

71 32.5 27.5 41.3



#9

Benzaldehyde

Concen: 2.99 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.22 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

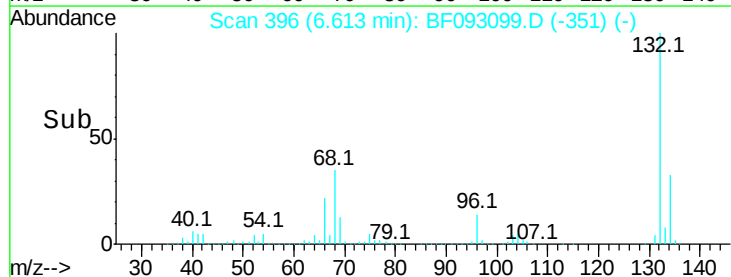
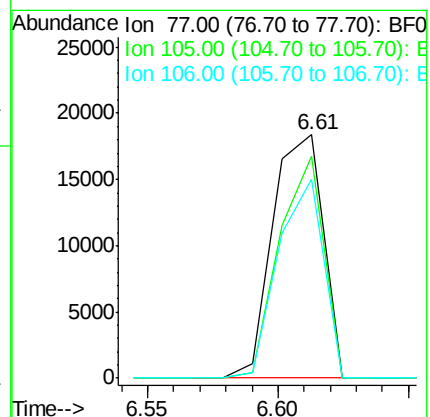
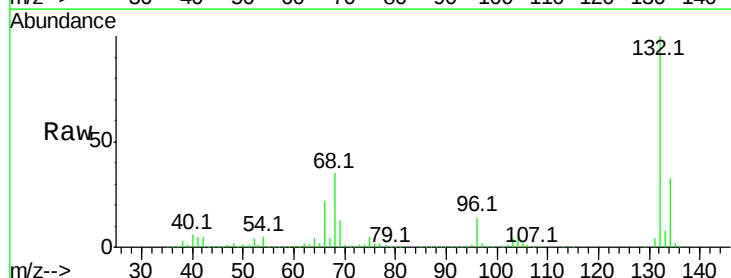
Tgt Ion: 77 Resp: 24711

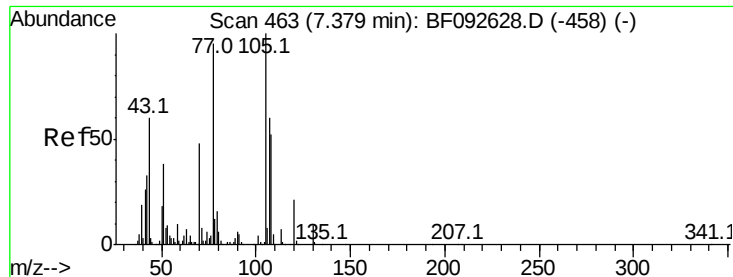
Ion Ratio Lower Upper

77 100

105 90.9 83.9 123.9

106 81.7 77.6 117.6

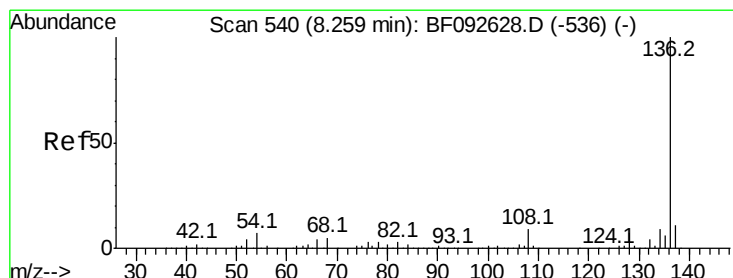
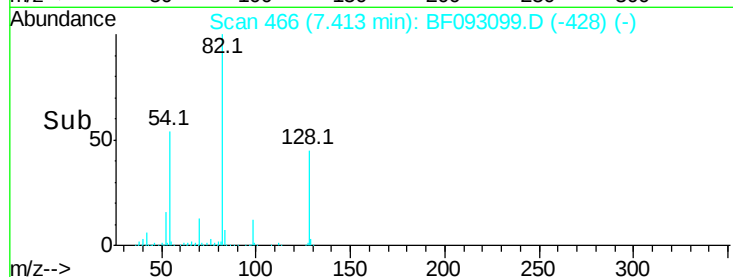
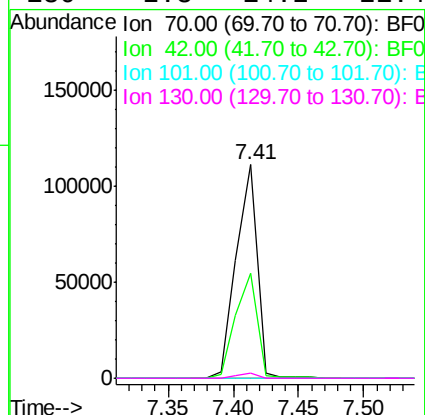
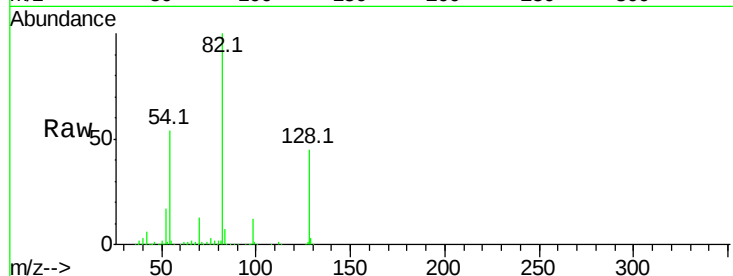




#19
n-Nitroso-di-n-propylamine
Concen: 16.83 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093099.D
Acq: 23 Feb 2017 10:12

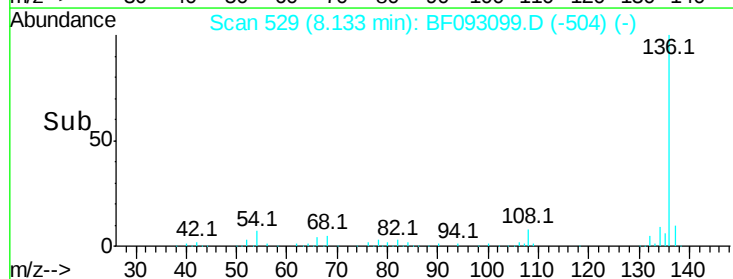
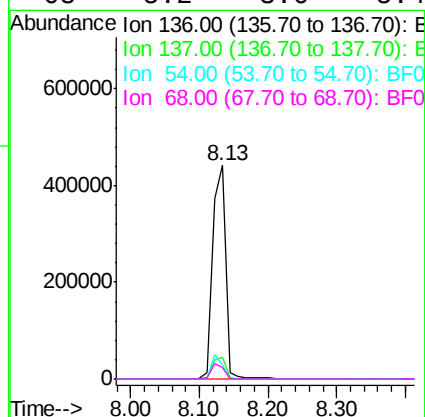
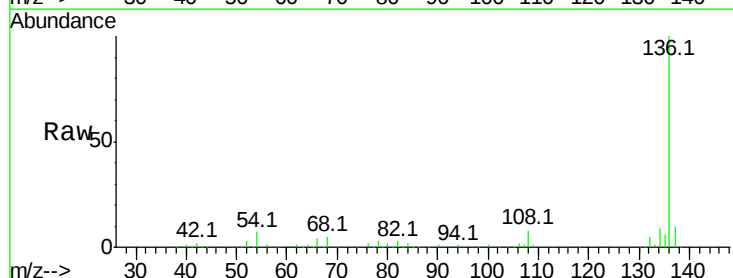
Instrument :
BNA_F
ClientSampleId :
PB97103BL

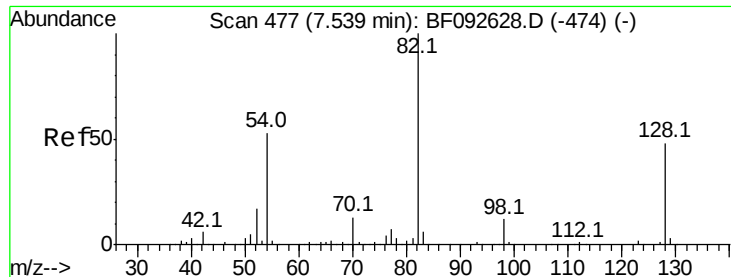
Tot Ion: 70 Resp: 123667
Ion Ratio Lower Upper
70 100
42 49.1 49.4 74.0#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093099.D
Acq: 23 Feb 2017 10:12

Tgt Ion:136 Resp: 588928
Ion Ratio Lower Upper
136 100
137 10.0 8.4 12.6
54 6.5 4.5 6.7
68 5.2 3.6 5.4

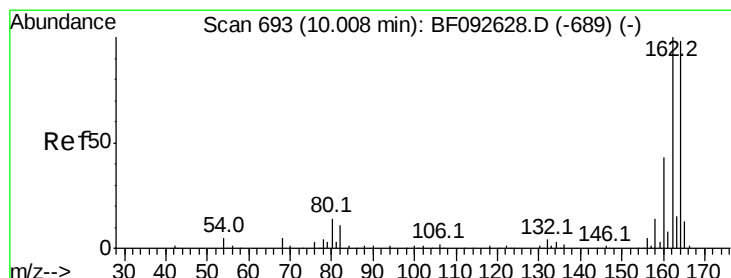
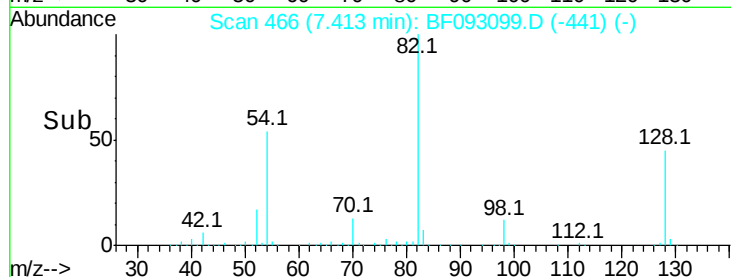
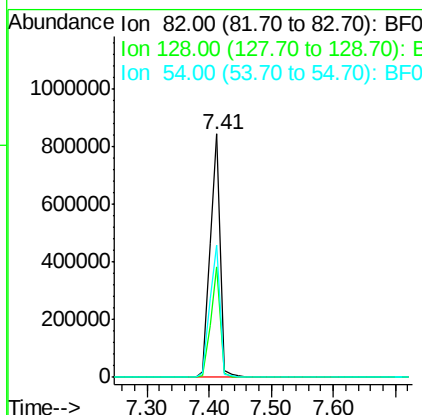
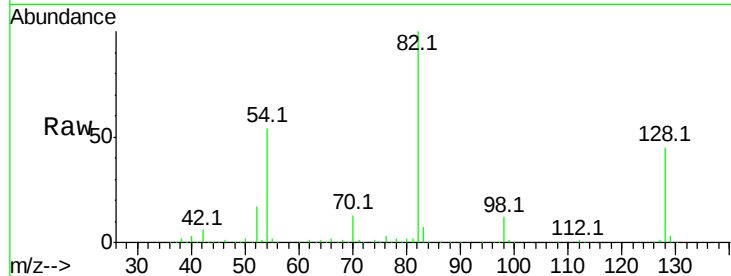




#23
 Nitrobenzene-d5
 Concen: 89.54 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093099.D
 Acq: 23 Feb 2017 10:12

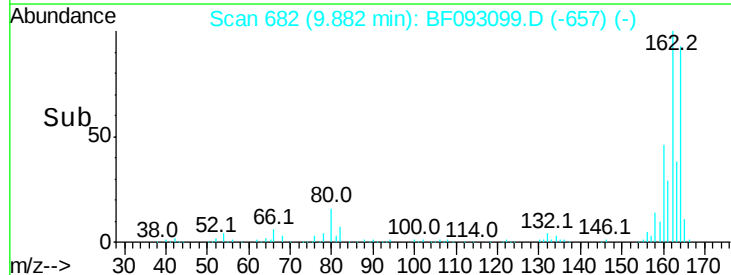
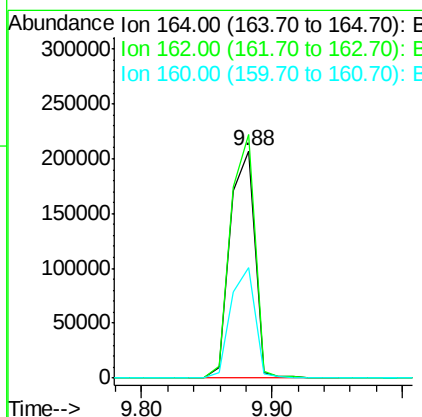
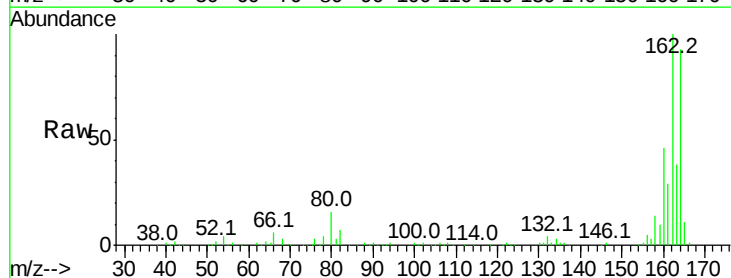
Instrument :
 BNA_F
 ClientSampleId :
 PB97103BL

Tot Ion: 82 Resp: 946993
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.6 52.0
 54 54.3 39.5 59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093099.D
 Acq: 23 Feb 2017 10:12

Tgt Ion: 164 Resp: 271429
 Ion Ratio Lower Upper
 164 100
 162 107.1 80.2 120.2
 160 48.8 36.9 55.3

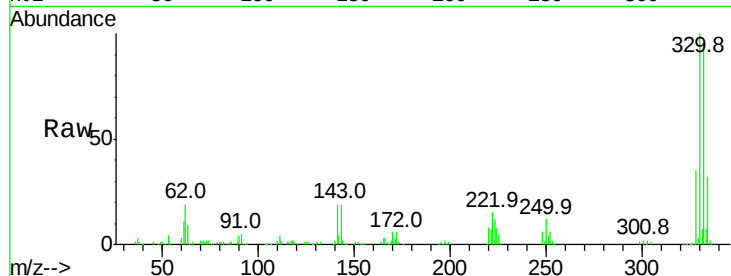




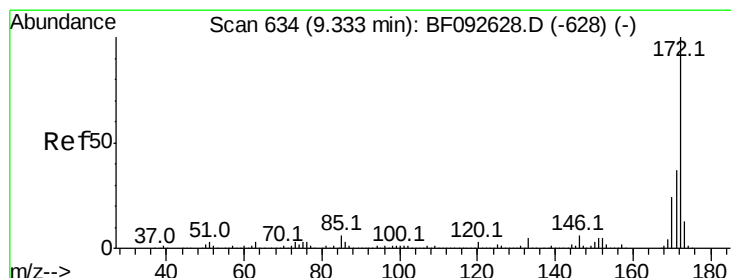
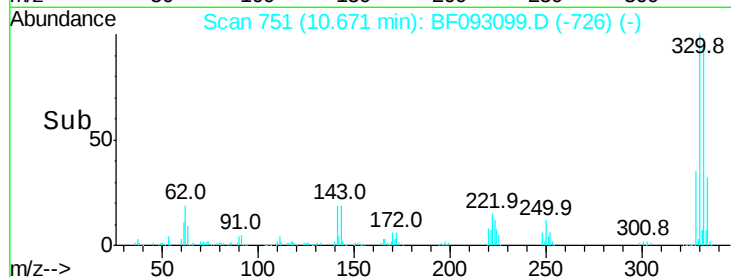
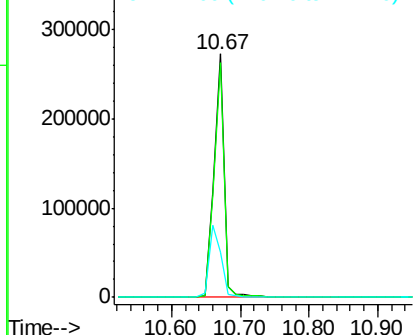
#41
 2,4,6-Tribromophenol
 Concen: 146.35 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093099.D
 Acq: 23 Feb 2017 10:12

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	34.3	34.1	51.1

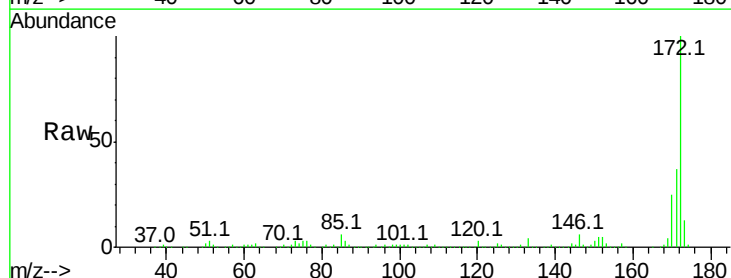


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

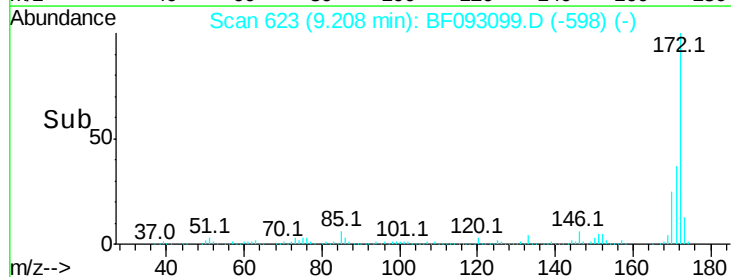
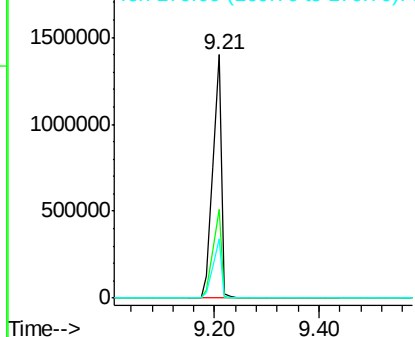


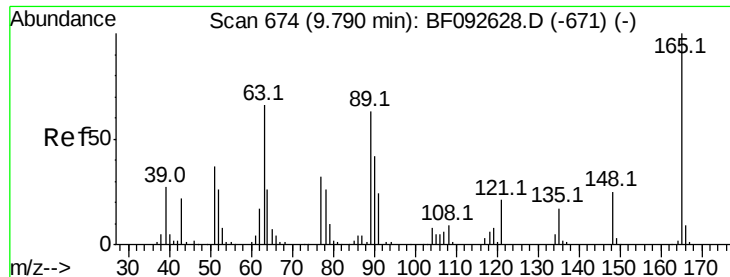
#44
 2-Fluorobiphenyl
 Concen: 106.97 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093099.D
 Acq: 23 Feb 2017 10:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.5	20.2	30.4



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

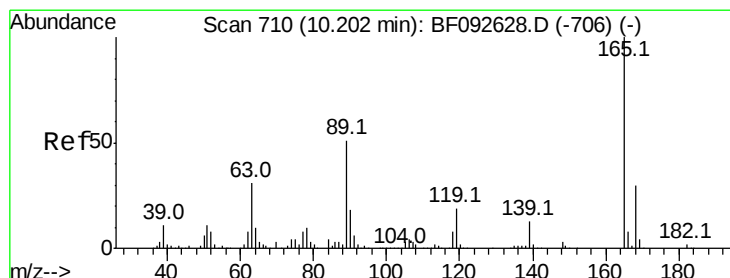
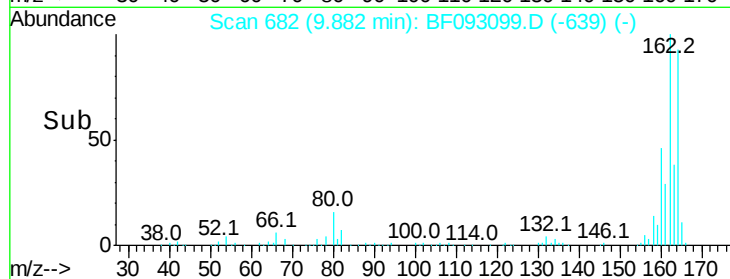
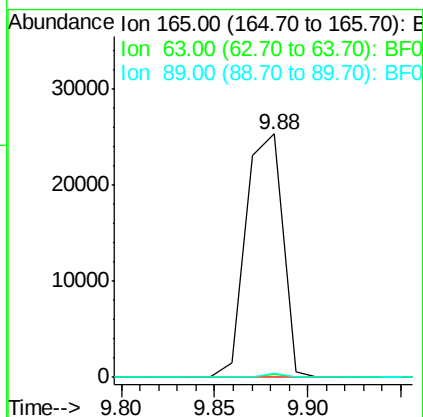
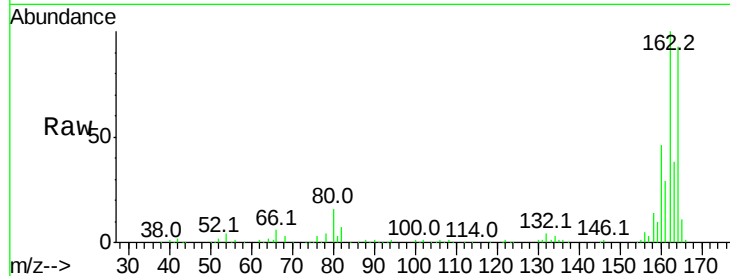




#50
 2,6-Dinitrotoluene
 Concen: 8.77 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093099.D
 Acq: 23 Feb 2017 10:12

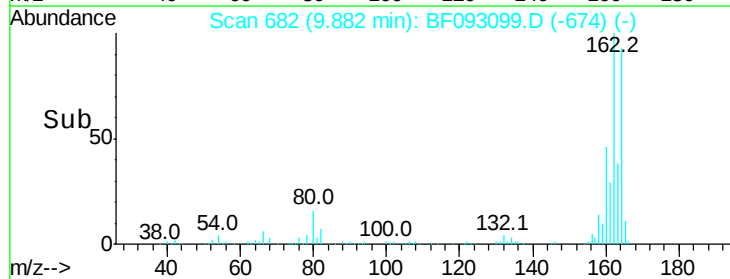
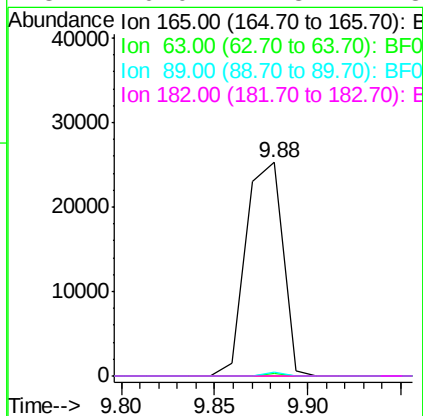
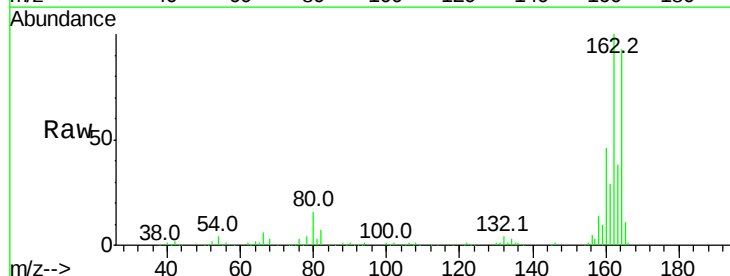
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 PB97103BL

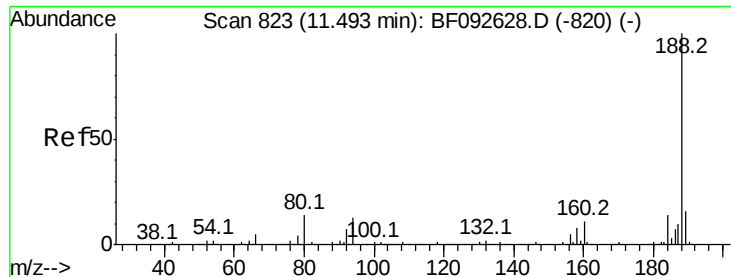
Tot Ion:165 Resp: 34644
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.2 54.4#
 89 1.8 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093099.D
 Acq: 23 Feb 2017 10:12

Tgt Ion:165 Resp: 34644
 Ion Ratio Lower Upper
 165 100
 63 1.4 40.2 60.4#
 89 1.8 62.5 93.7#
 182 0.0 1.8 2.8#

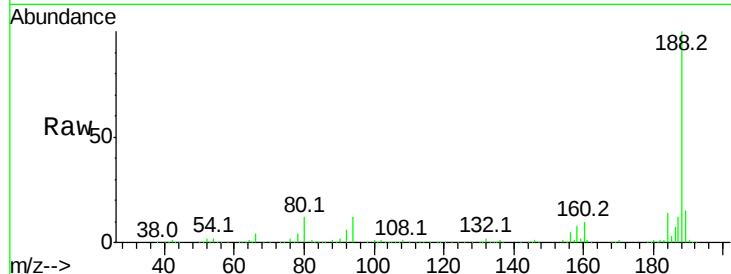




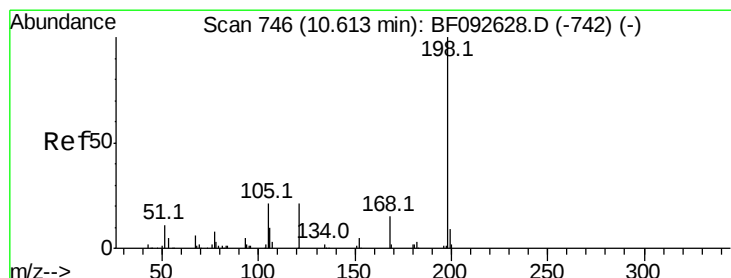
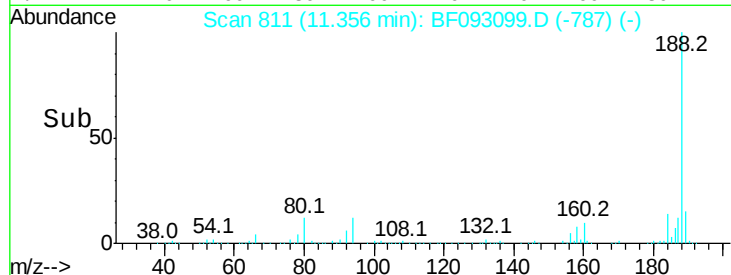
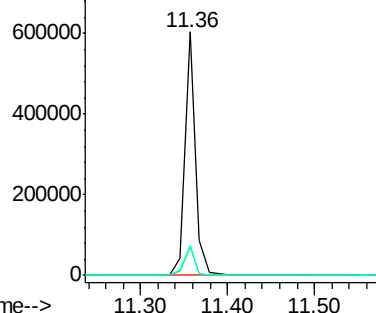
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093099.D
Acq: 23 Feb 2017 10:12

Instrument :
BNA_F
ClientSampleId :
PB97103BL

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.7	10.0	15.0
80	12.3	11.2	16.8

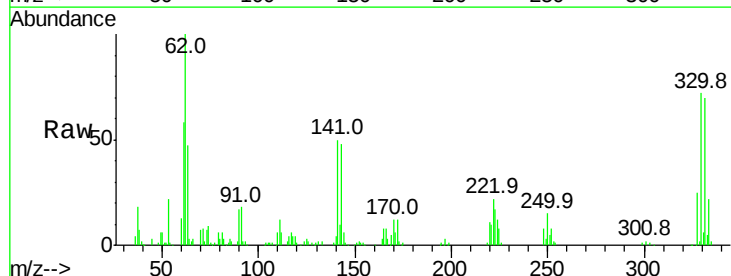


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

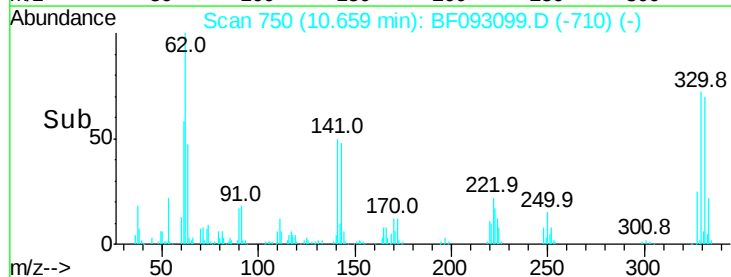
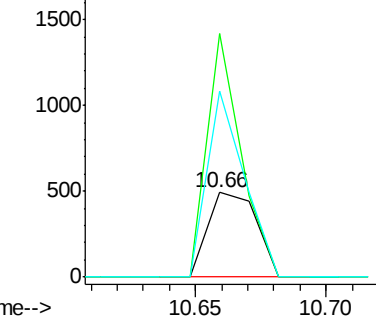


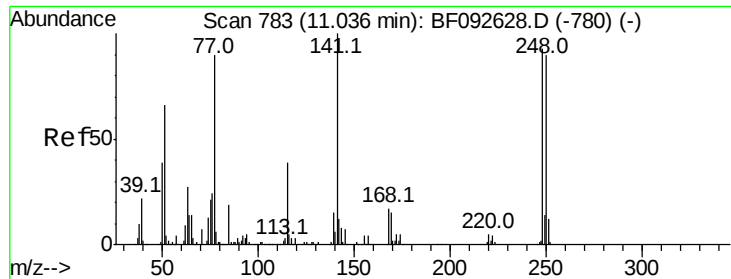
#64
4,6-Dinitro-2-methylphenol
Concen: 2.86 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.16 min
Lab File: BF093099.D
Acq: 23 Feb 2017 10:12

Tgt Ion	Ratio	Lower	Upper
198	100		
51	287.2	6.7	46.7#
105	219.8	16.6	56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.70 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

Instrument :

BNA_F

ClientSampleId :

PB97103BL

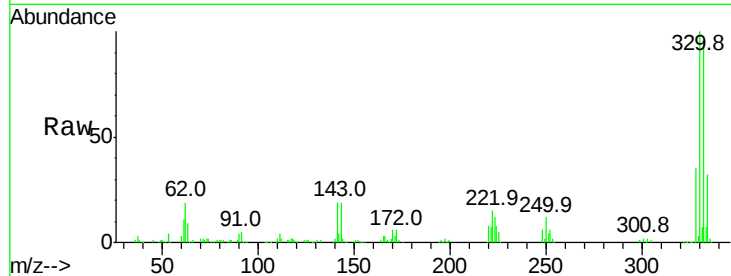
Tot Ion:248 Resp: 19868

Ion Ratio Lower Upper

248 100

250 213.2 76.9 115.3#

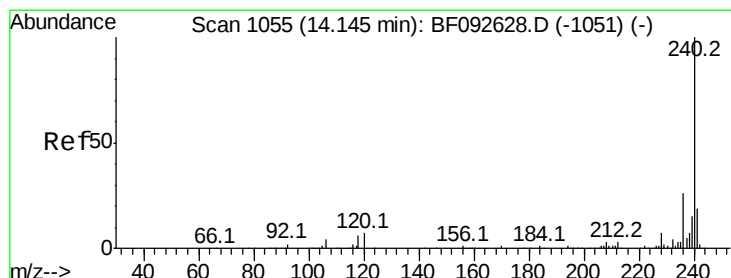
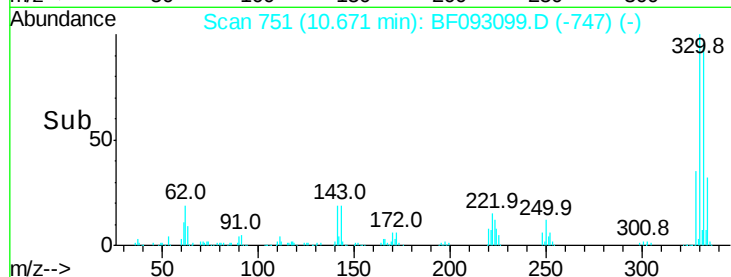
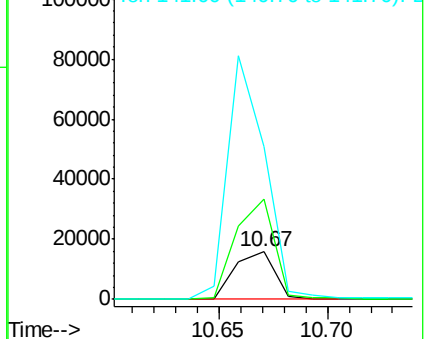
141 323.7 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

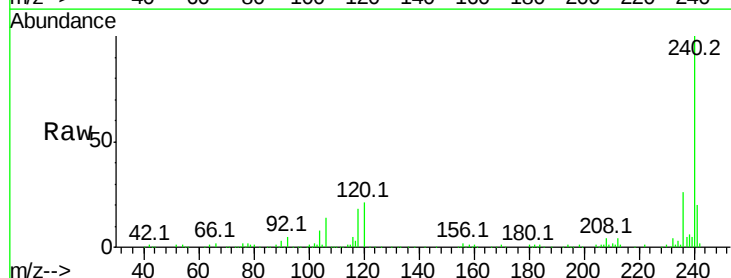
Tgt Ion:240 Resp: 334891

Ion Ratio Lower Upper

240 100

120 21.2 12.9 19.3#

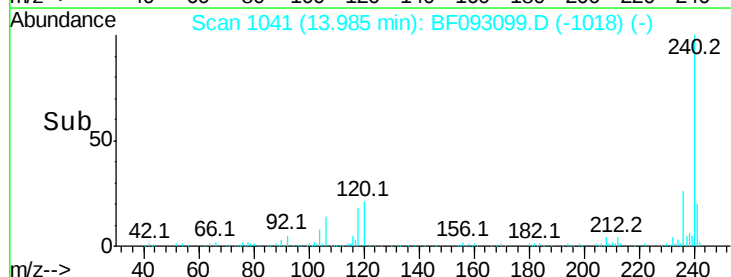
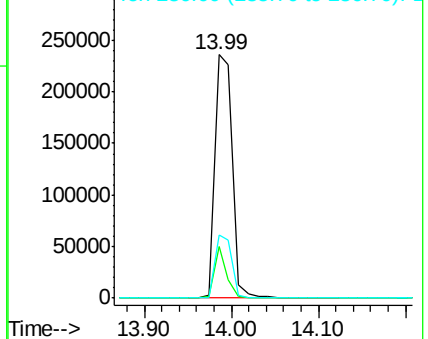
236 25.7 20.9 31.3

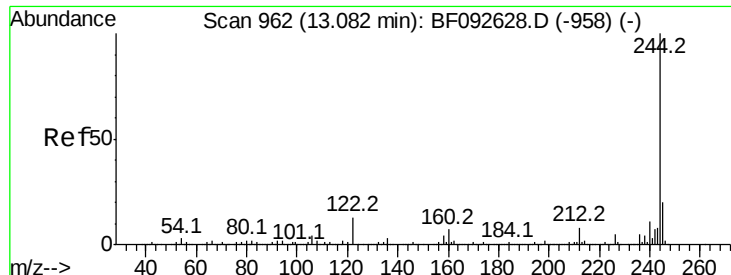


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.11 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

Instrument :

BNA_F

ClientSampleId :

PB97103BL

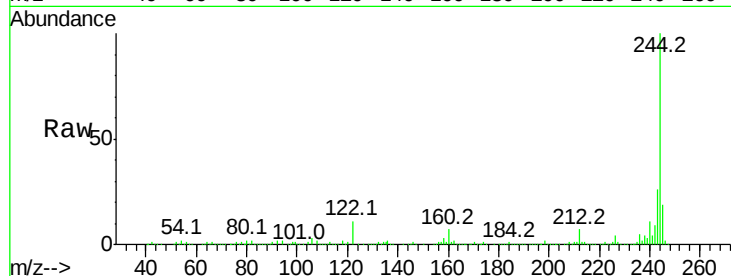
Tot Ion:244 Resp: 1298631

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

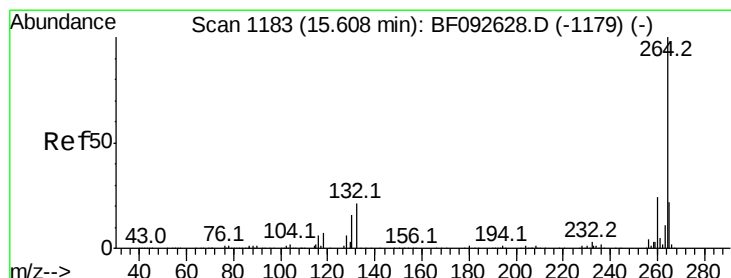
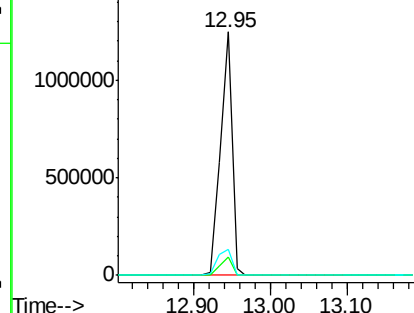
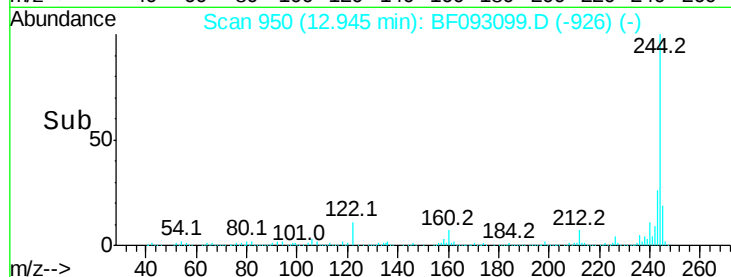
122 10.8 11.4 17.2#



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: 15.41 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF093099.D

Acq: 23 Feb 2017 10:12

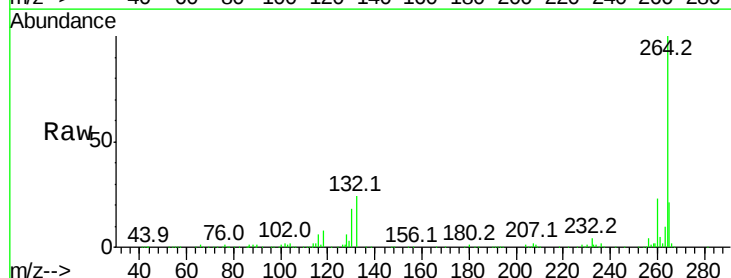
Tgt Ion:264 Resp: 259368

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 20.8 17.4 26.0



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

