

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093144.D
 Acq On : 24 Feb 2017 11:35
 Operator : SJ/MA
 Sample : I1947-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 24 12:12:13 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

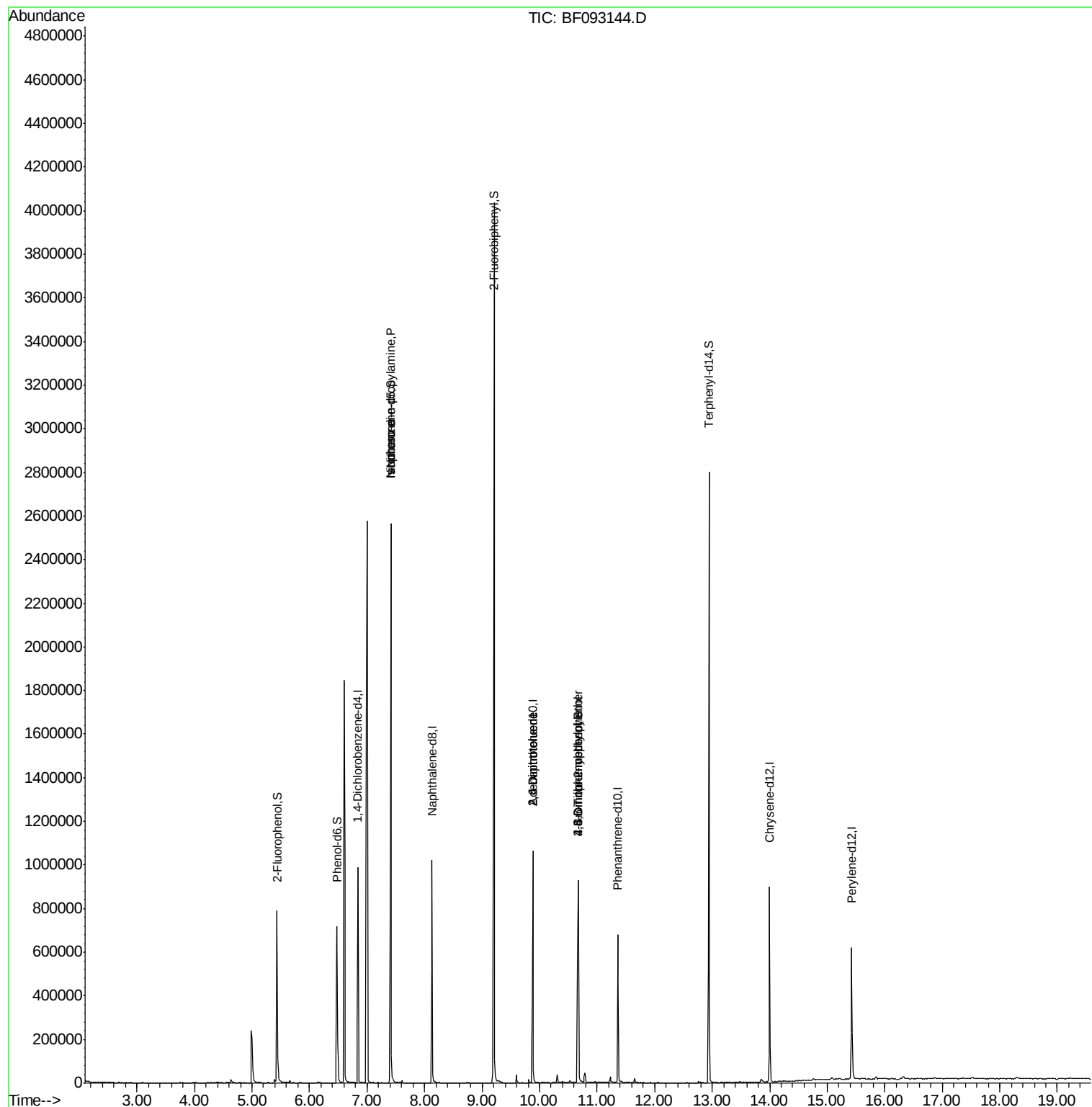
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	153547	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	552402	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	221976	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	324166	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	304446	20.00	ng	-0.02
86) Perylene-d12	15.43	264	263935	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	330297	36.91	ng	-0.01
7) Phenol-d6	6.48	99	249748	21.69	ng	-0.01
23) Nitrobenzene-d5	7.41	82	853377	86.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	131394	81.84	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1355755	110.65	ng	-0.01
78) Terphenyl-d14	12.95	244	800039	61.75	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	110329	15.05	ng	# 81
25) Isophorone	7.41	82	657186	35.55	ng	# 65
50) 2,6-Dinitrotoluene	9.88	165	27839	8.62	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	27840	6.48	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	232	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	9842	2.91	ng	# 1

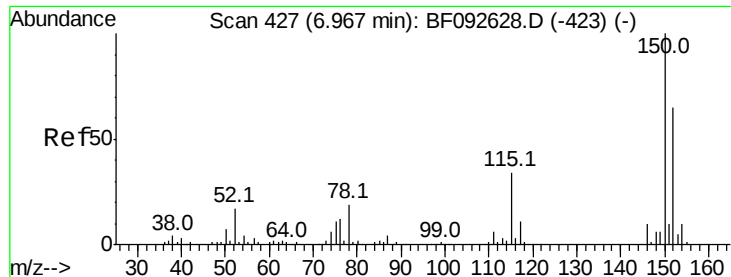
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

Instrument :

BNA_F

ClientSampleId :

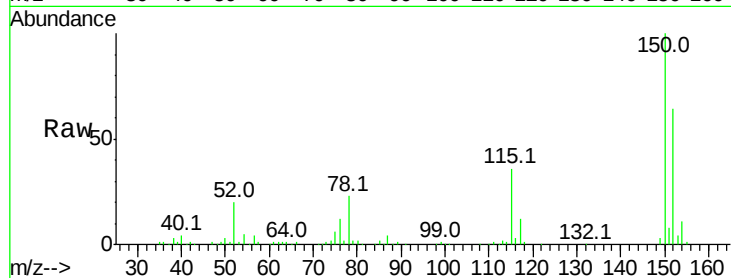
Tot Ion:152 Resp: 153547

Ion Ratio Lower Upper

152 100

150 156.2 124.9 187.3

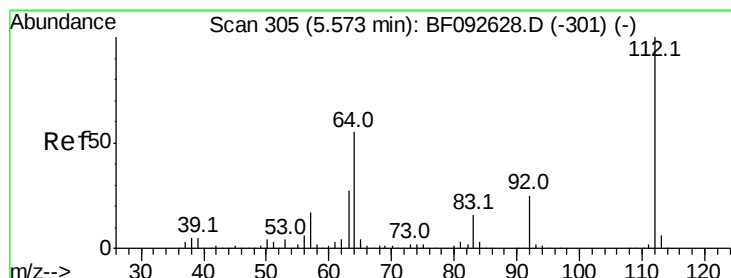
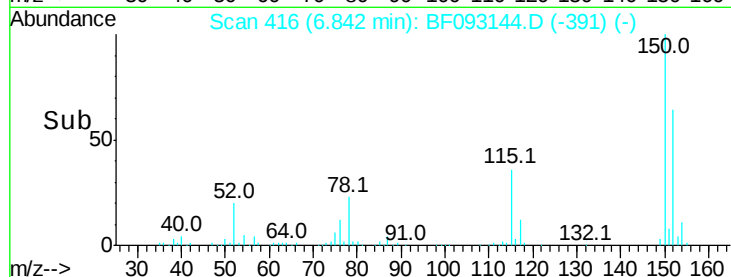
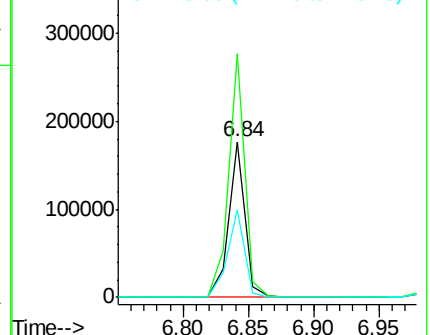
115 56.4 46.0 69.0



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: 36.91 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

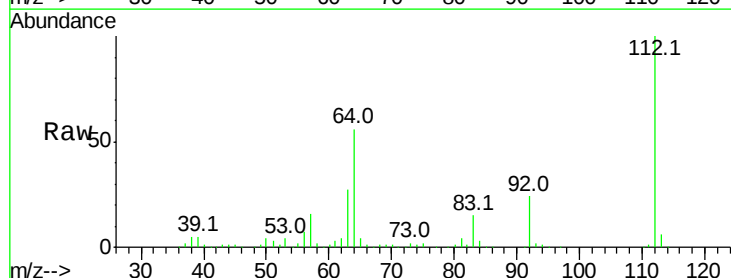
Tgt Ion:112 Resp: 330297

Ion Ratio Lower Upper

112 100

64 56.5 46.1 69.1

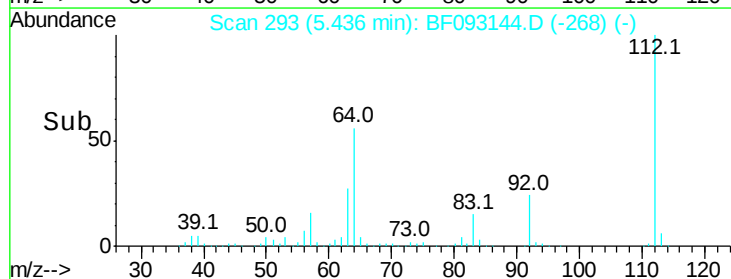
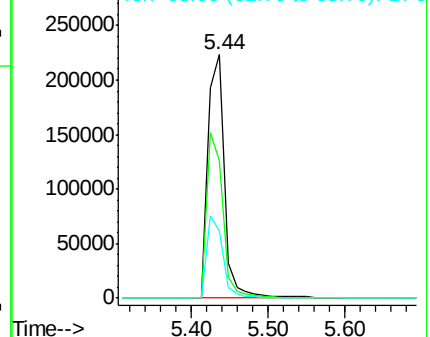
63 27.5 23.8 35.6

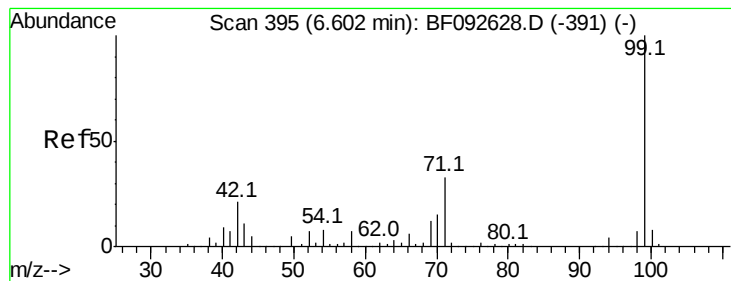


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.69 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

Instrument :

BNA_F

ClientSampleId :

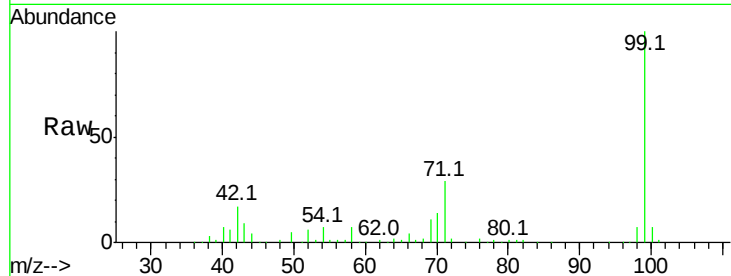
Tot Ion: 99 Resp: 249748

Ion Ratio Lower Upper

99 100

42 17.0 15.6 23.4

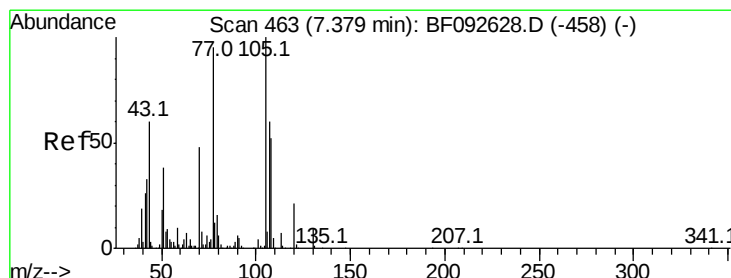
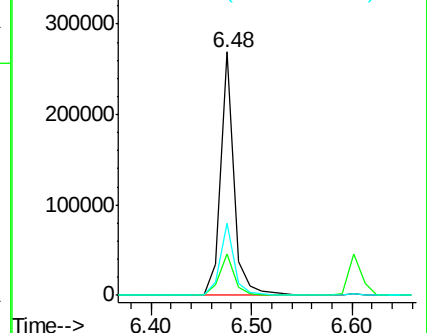
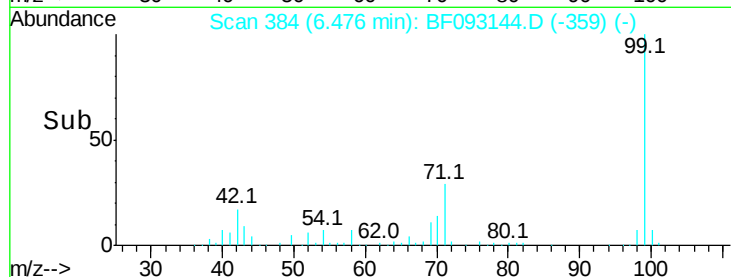
71 29.4 27.5 41.3



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: 15.05 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

Tgt Ion: 70 Resp: 110329

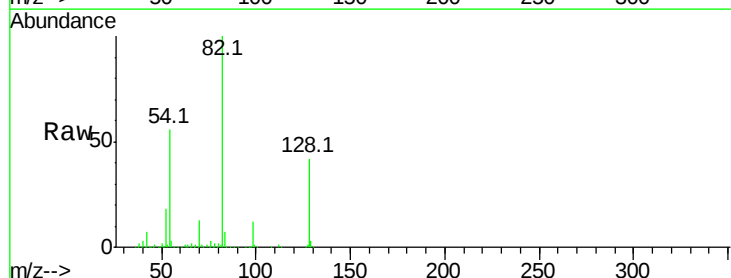
Ion Ratio Lower Upper

70 100

42 51.8 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

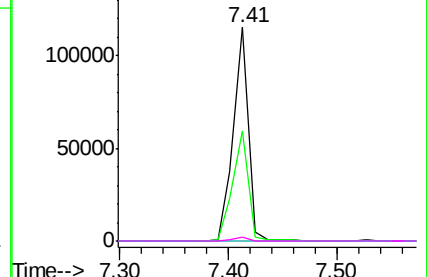
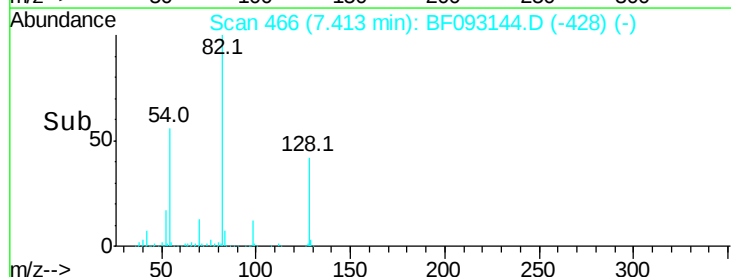


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

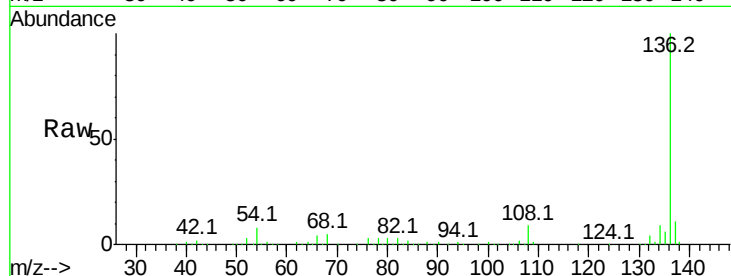




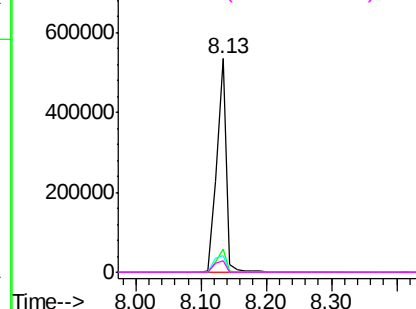
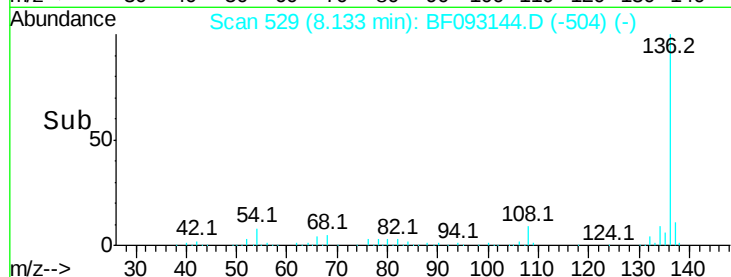
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093144.D
Acq: 24 Feb 2017 11:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	552402
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.5	4.5	6.7#
68	5.3	3.6	5.4

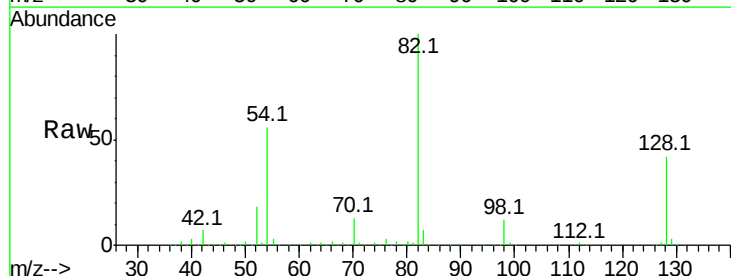


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

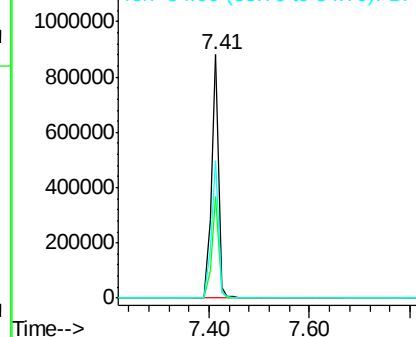
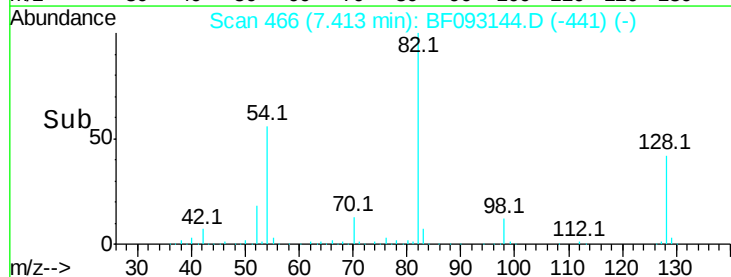


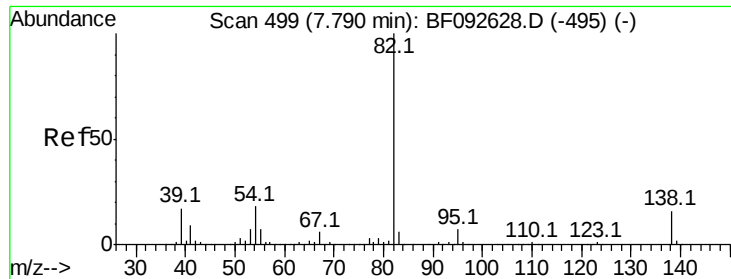
#23
Nitrobenzene-d5
Concen: 86.03 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093144.D
Acq: 24 Feb 2017 11:35

Tgt Ion:	82	Resp:	853377
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	56.3	39.5	59.3



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





#25

Isophorone

Concen: 35.55 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

Instrument :

BNA_F

ClientSampled :

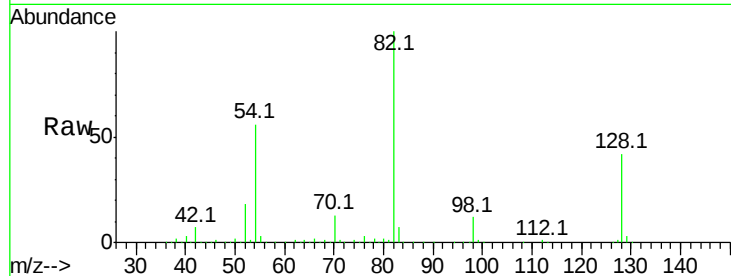
Tot Ion: 82 Resp: 657186

Ion Ratio Lower Upper

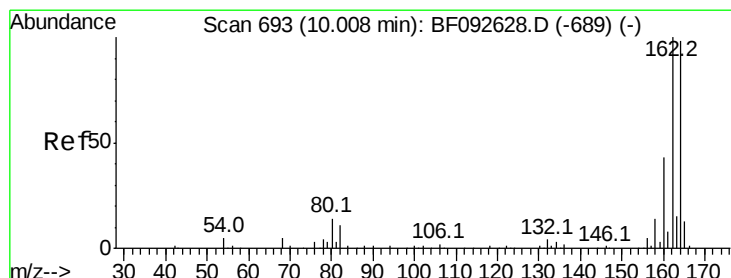
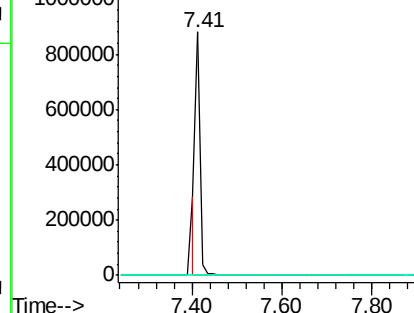
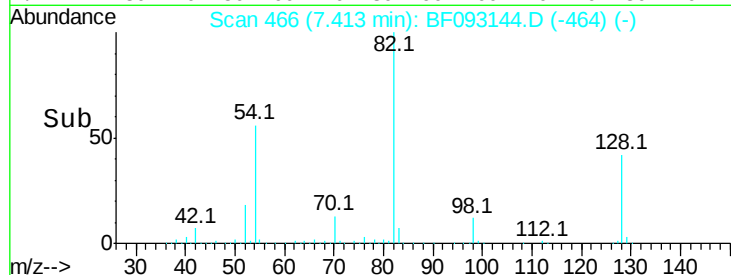
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

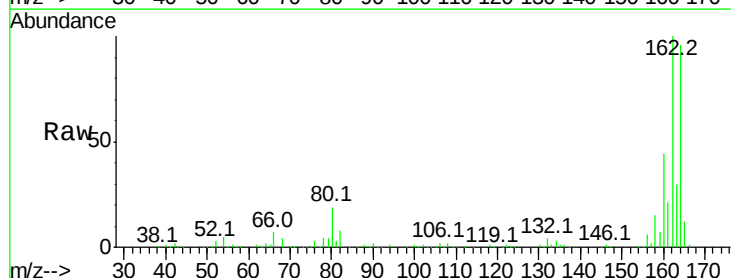
Tgt Ion:164 Resp: 221976

Ion Ratio Lower Upper

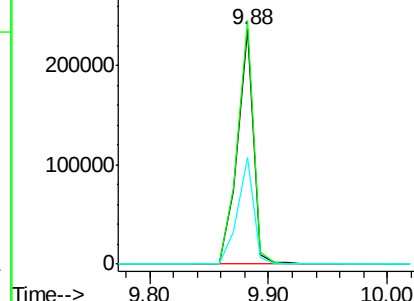
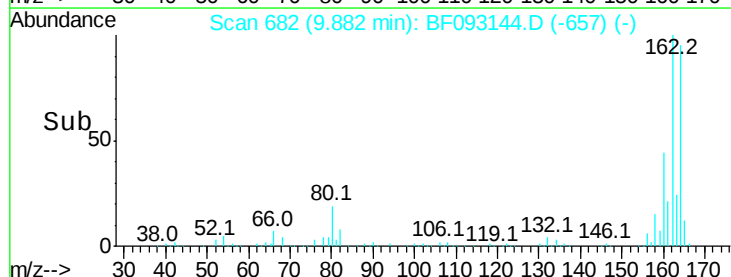
164 100

162 103.9 80.2 120.2

160 45.7 36.9 55.3



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

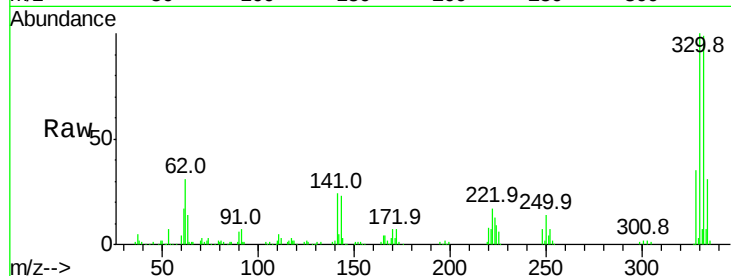




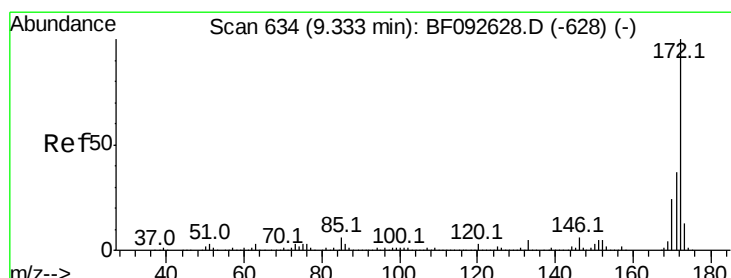
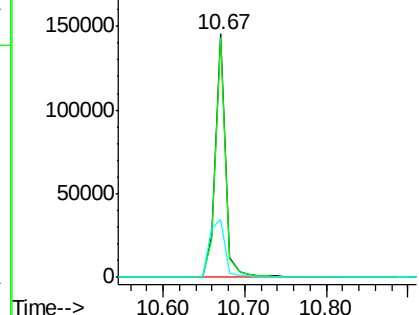
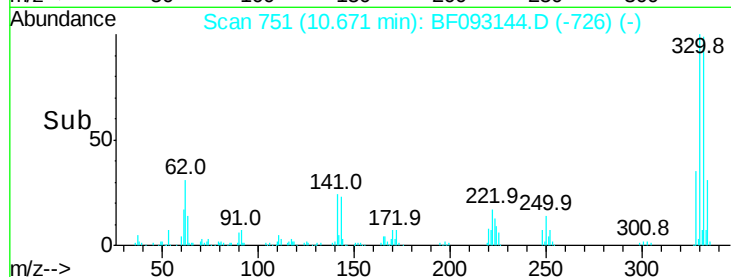
#41
 2,4,6-Tribromophenol
 Concen: 81.84 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093144.D
 Acq: 24 Feb 2017 11:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	36.5	34.1	51.1

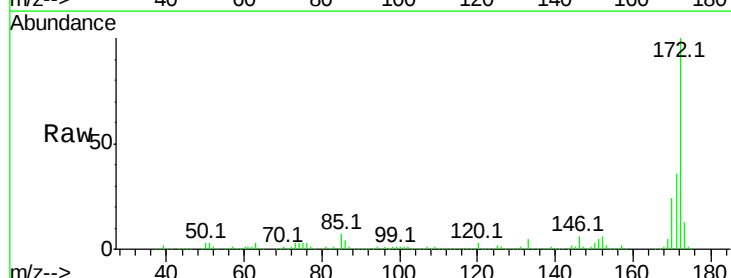


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

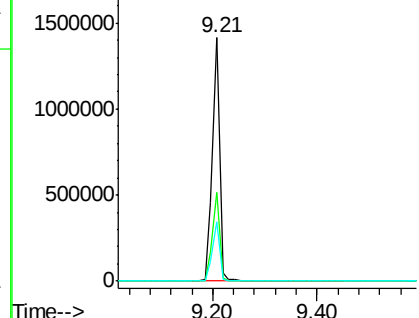
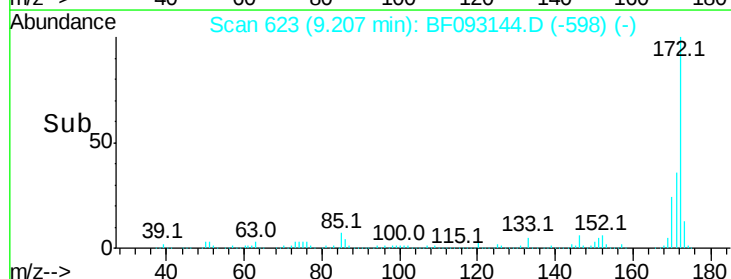


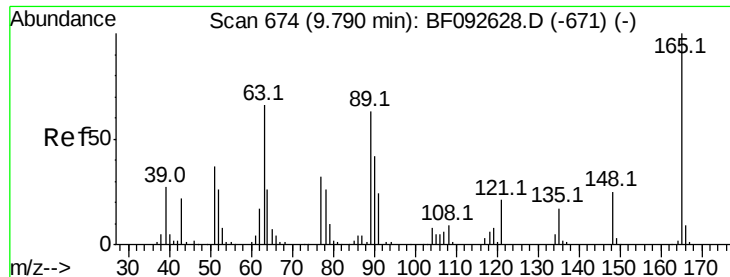
#44
 2-Fluorobiphenyl
 Concen: 110.65 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093144.D
 Acq: 24 Feb 2017 11:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.1	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

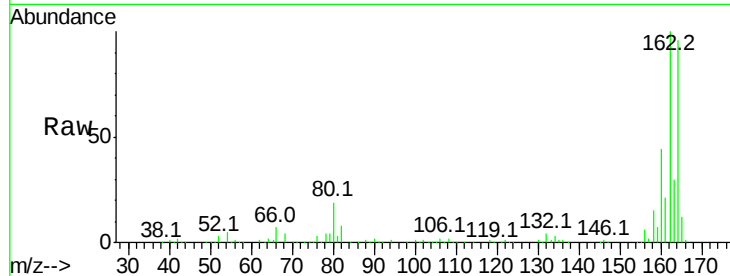




#50
 2,6-Dinitrotoluene
 Concen: 8.62 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093144.D
 Acq: 24 Feb 2017 11:35

Instrument :
 BNA_F
 ClientSampleId :

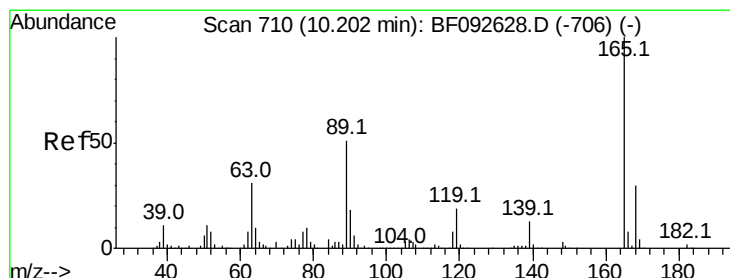
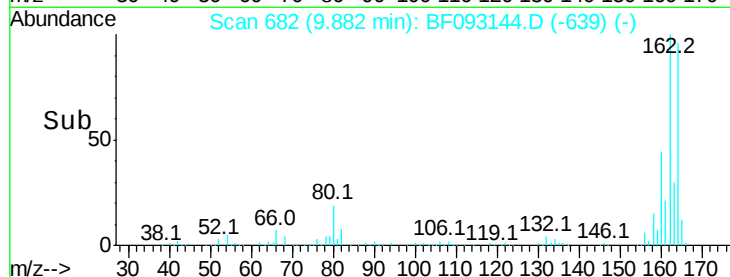
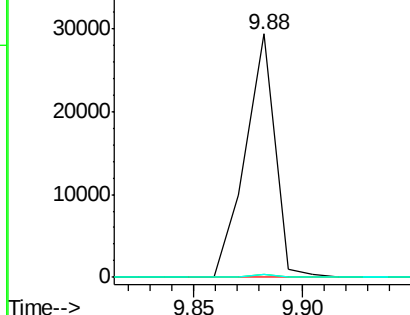
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.4	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

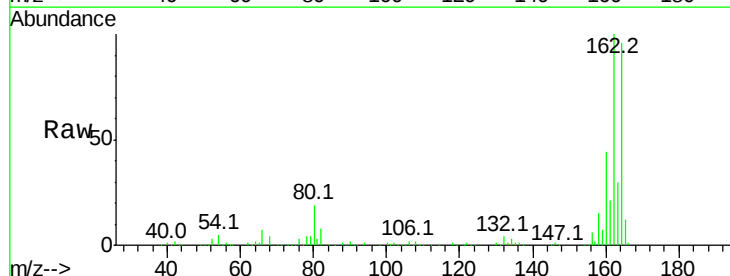
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.48 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093144.D
 Acq: 24 Feb 2017 11:35

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

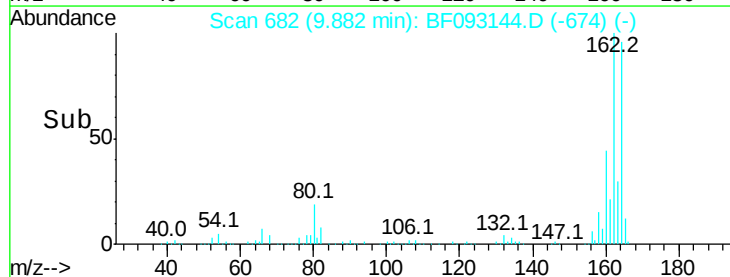
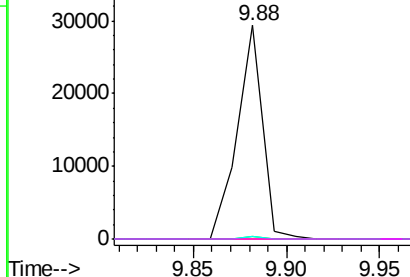


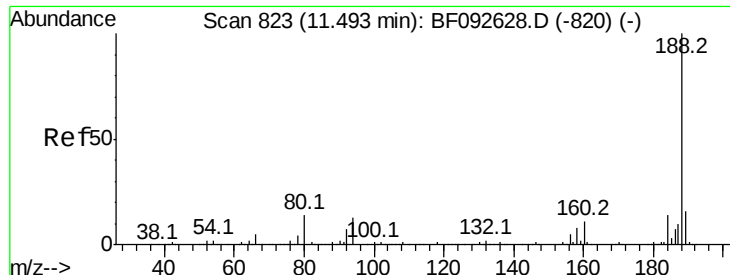
Abundance Ion 165.00 (164.70 to 165.70): E

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

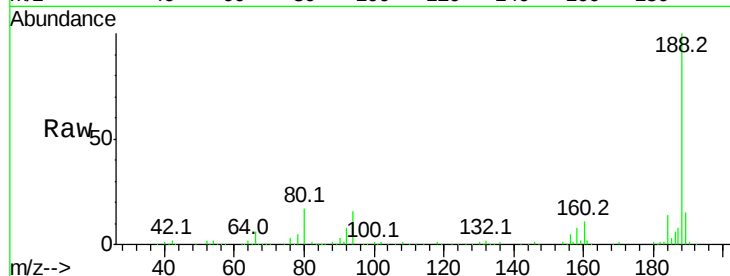




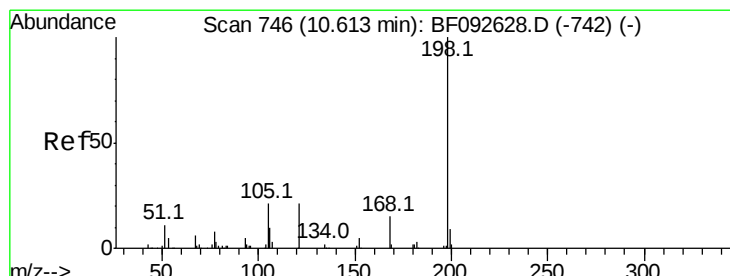
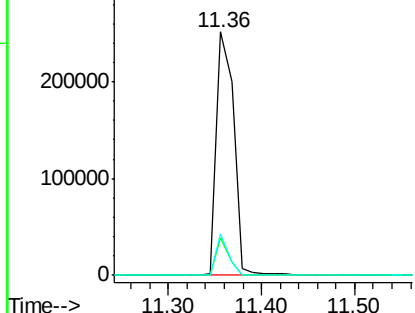
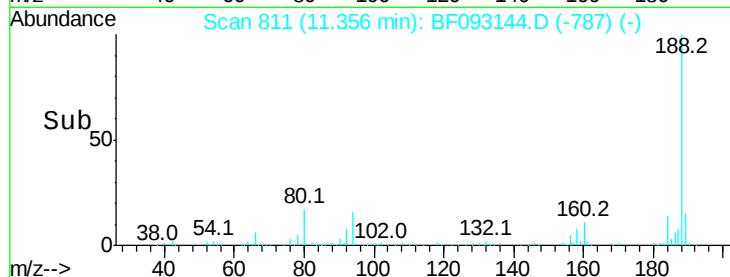
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093144.D
Acq: 24 Feb 2017 11:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 324166
Ion Ratio Lower Upper
188 100
94 15.6 10.0 15.0#
80 16.8 11.2 16.8#

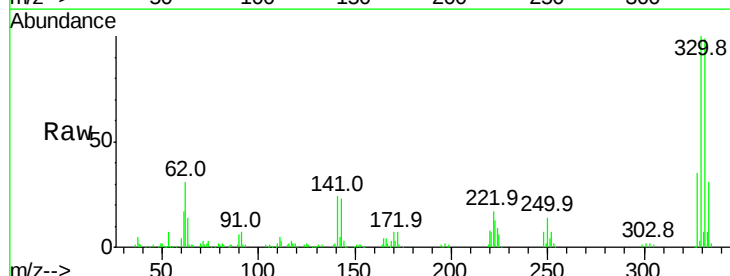


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

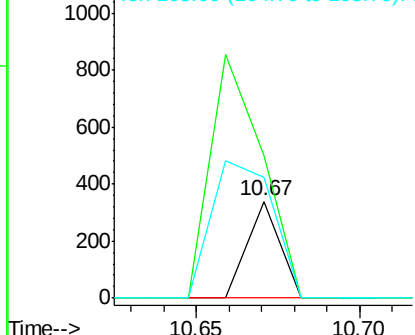
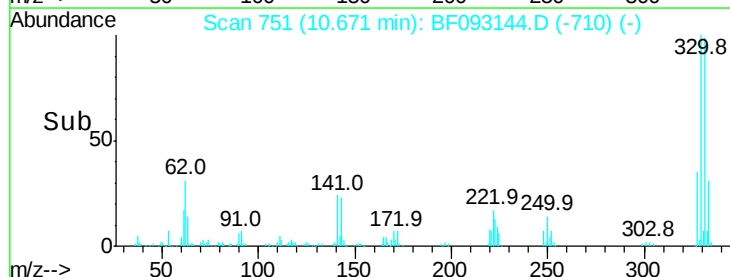


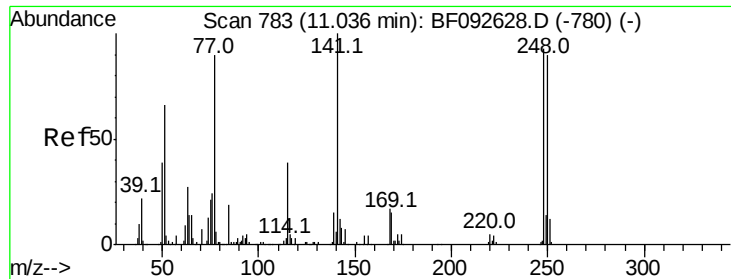
#64
4,6-Dinitro-2-methylphenol
Concen: 2.78 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093144.D
Acq: 24 Feb 2017 11:35

Tgt Ion:198 Resp: 232
Ion Ratio Lower Upper
198 100
51 147.2 6.7 46.7#
105 125.1 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: 2.91 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

Instrument :

BNA_F

ClientSampleId :

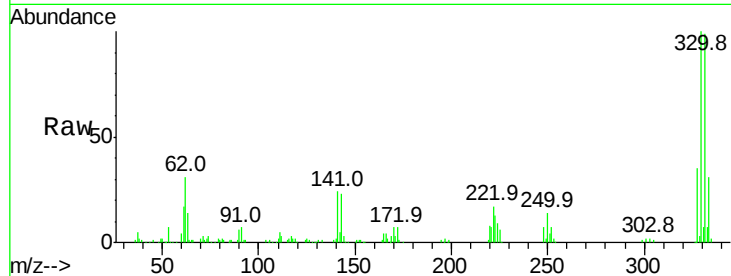
Tot Ion:248 Resp: 9842

Ion Ratio Lower Upper

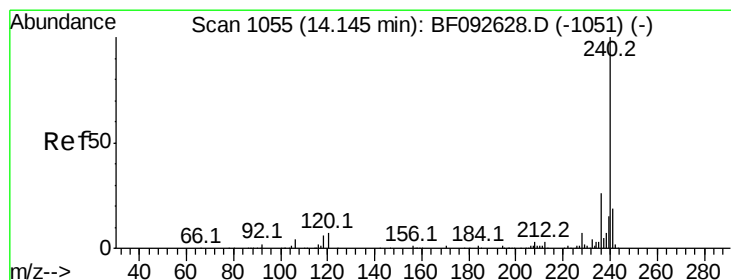
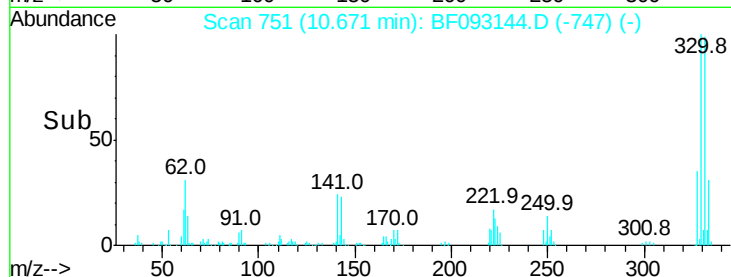
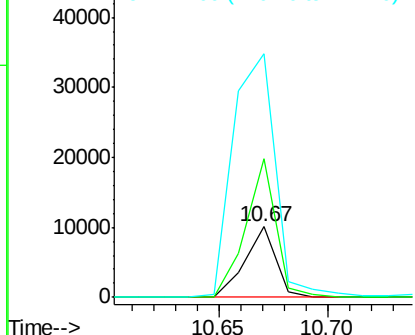
248 100

250 195.8 76.9 115.3#

141 345.4 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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

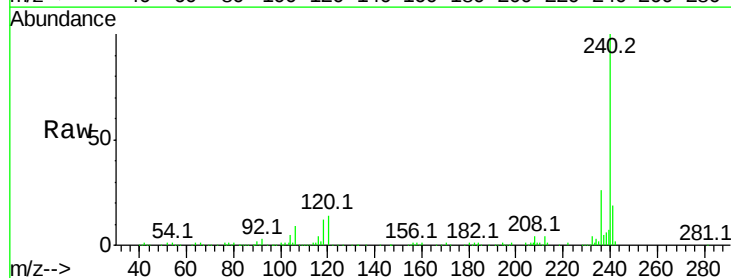
Tgt Ion:240 Resp: 304446

Ion Ratio Lower Upper

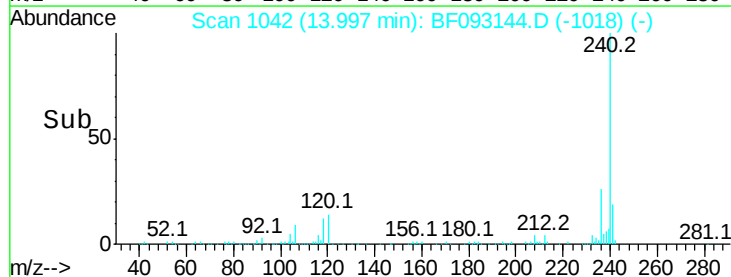
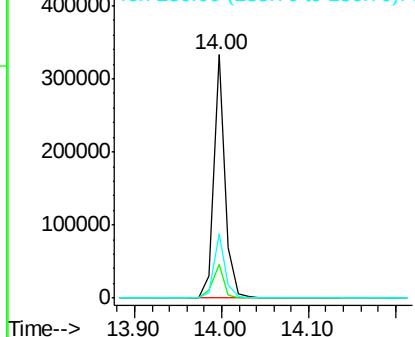
240 100

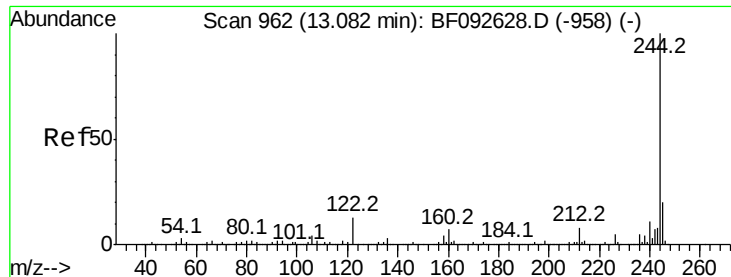
120 14.1 12.9 19.3

236 26.2 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: 61.75 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

Instrument :

BNA_F

ClientSampleId :

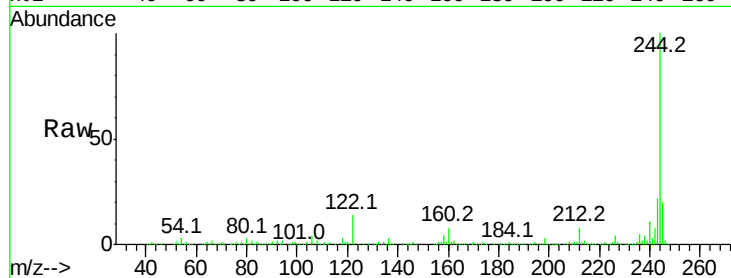
Tot Ion:244 Resp: 800039

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

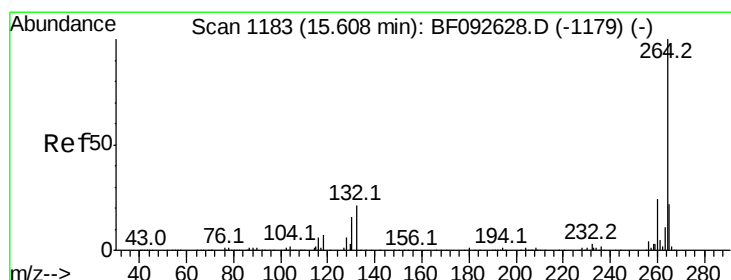
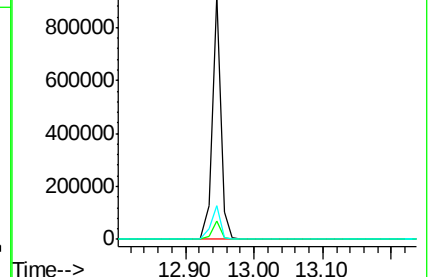
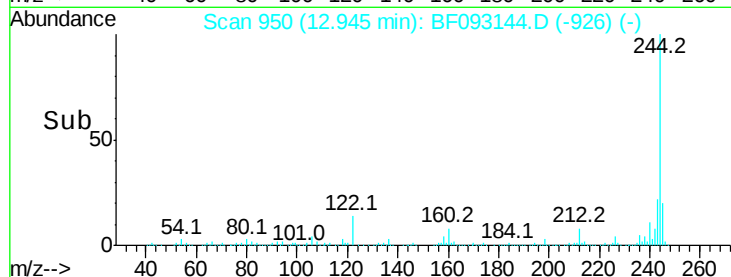
122 13.7 11.4 17.2



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: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093144.D

Acq: 24 Feb 2017 11:35

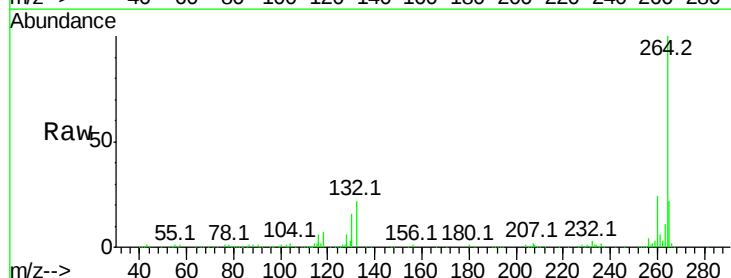
Tgt Ion:264 Resp: 263935

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.1 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

