

Data Path : Z:\HPCHEM1\BNA F\Data\BF022017\
 Data File : BF093071.D
 Acq On : 21 Feb 2017 12:41
 Operator : SJ/MA
 Sample : I1906-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:46:50 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

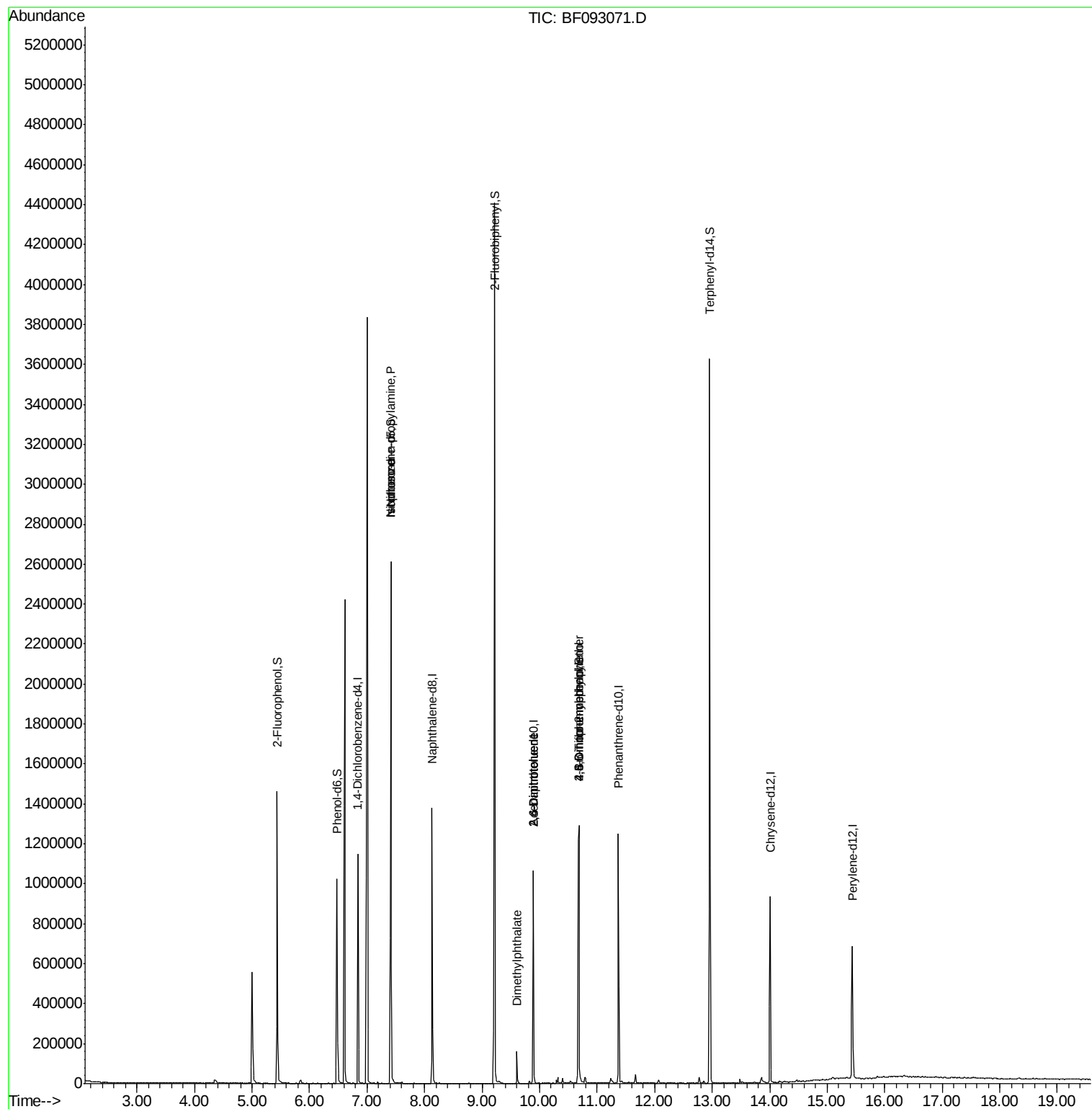
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	160511	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	607179	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	281278	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	496285	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	361611	20.00	ng	-0.01
86) Perylene-d12	15.44	264	291833	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	399839	42.74	ng	-0.01
7) Phenol-d6	6.48	99	323551	26.88	ng	-0.01
23) Nitrobenzene-d5	7.41	82	932754	85.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	221657	108.96	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1825294	117.56	ng	0.00
78) Terphenyl-d14	12.96	244	1267001	82.33	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	120585	15.74	ng	# 82
25) Isophorone	7.41	82	757356	37.28	ng	# 65
49) Dimethylphthalate	9.61	163	65611	3.46	ng	99
50) 2,6-Dinitrotoluene	9.89	165	34748	8.49	ng	# 31
56) 2,4-Dinitrotoluene	9.89	165	34748	6.38	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	646	2.87	ng	# 8
66) 4-Bromophenyl-phenylether	10.68	248	16464	3.18	ng	# 1

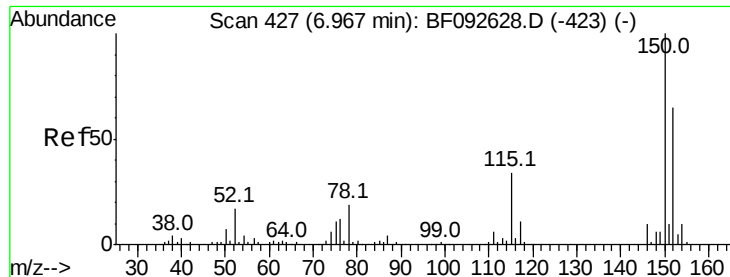
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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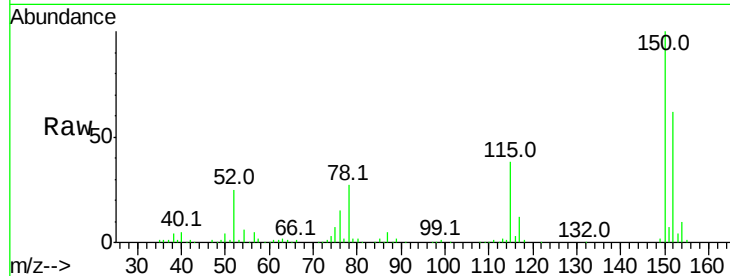


#1

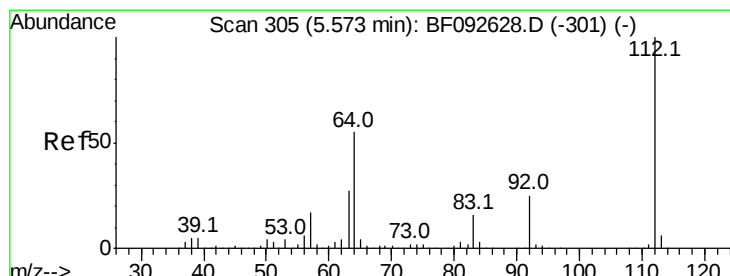
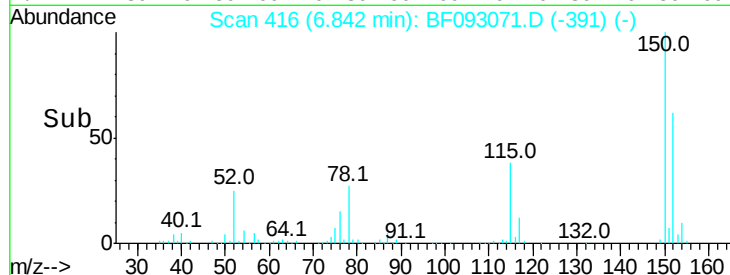
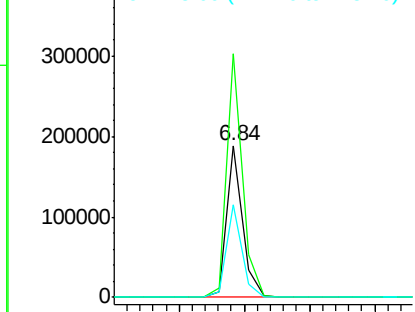
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.9	187.3
115	61.0	46.0	69.0



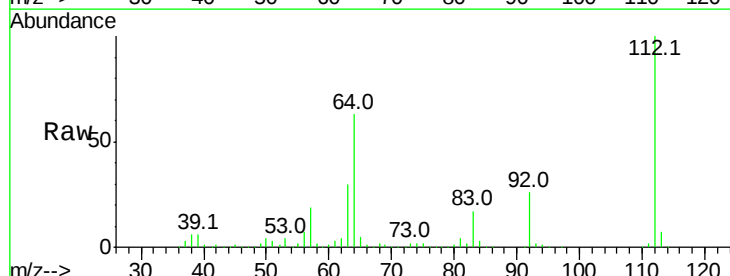
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



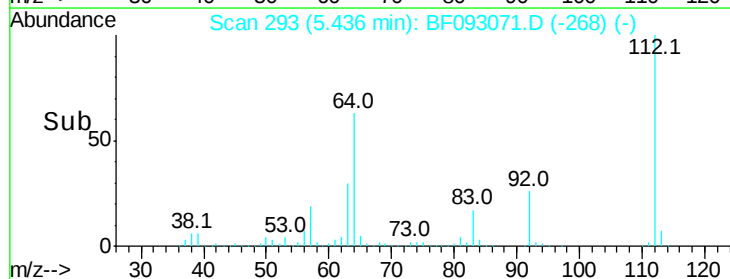
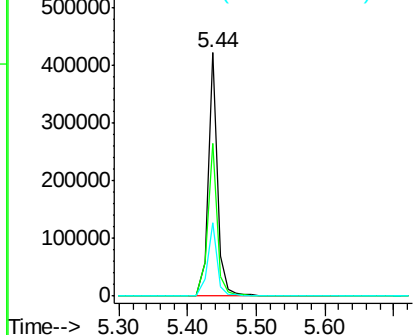
#5

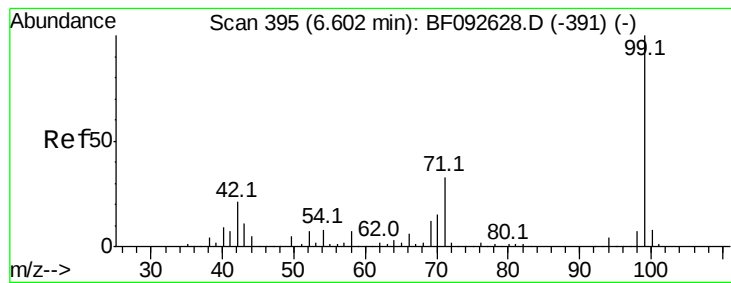
2-Fluorophenol
Concen: 42.74 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	46.1	69.1
63	30.2	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: 26.88 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

Instrument :

BNA_F

ClientSampleId :

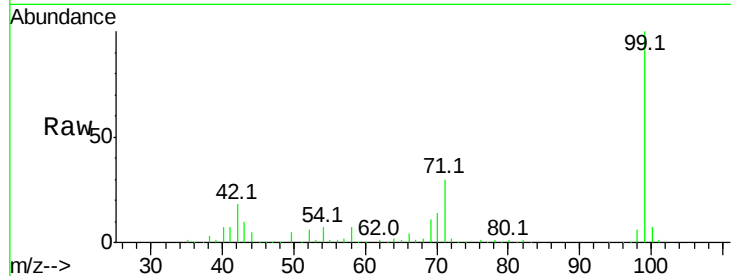
Tot Ion: 99 Resp: 323551

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

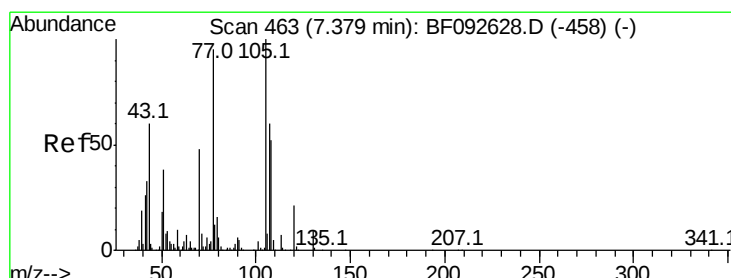
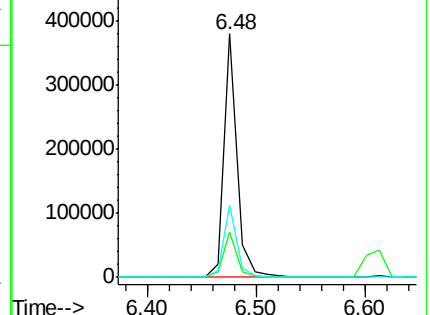
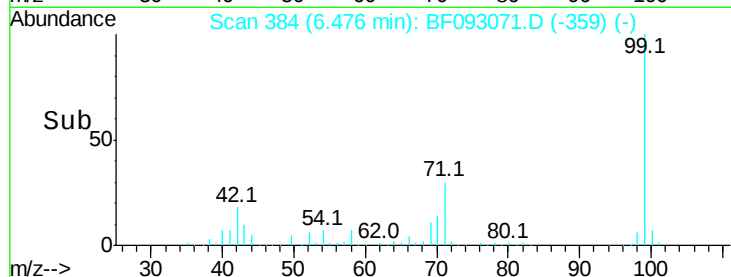
71 29.7 27.5 41.3



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: 15.74 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

Tgt Ion: 70 Resp: 120585

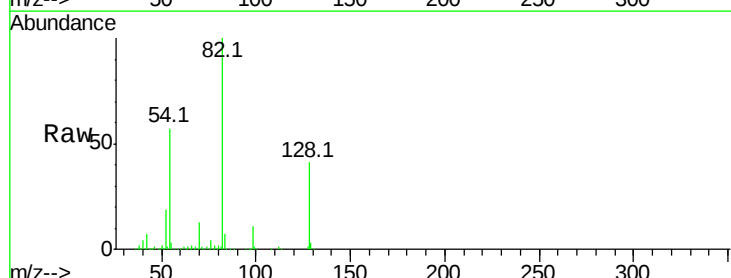
Ion Ratio Lower Upper

70 100

42 52.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

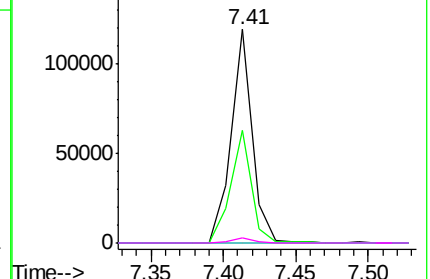
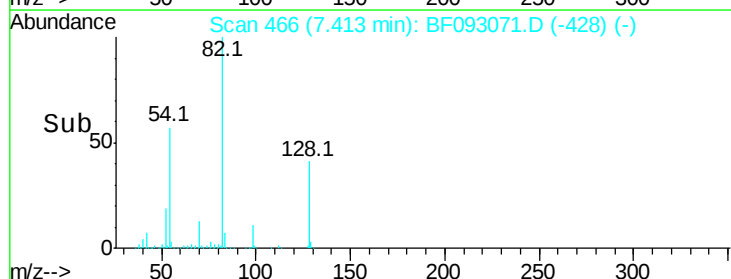


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

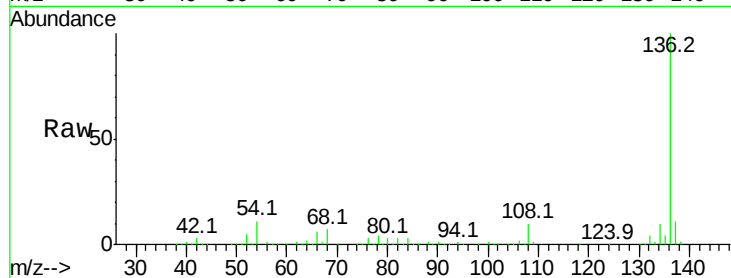




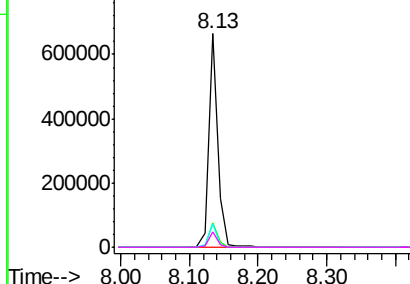
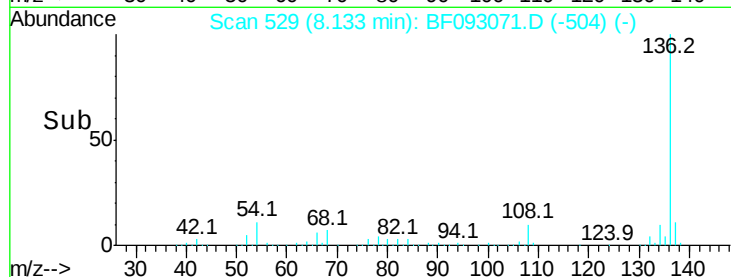
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	607179
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	10.6	4.5	6.7#
68	7.4	3.6	5.4#

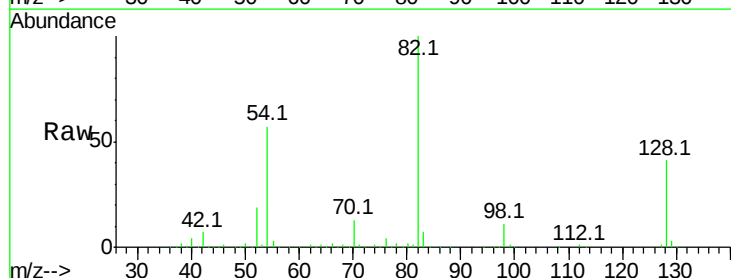


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

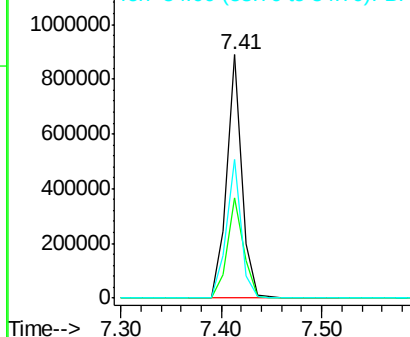
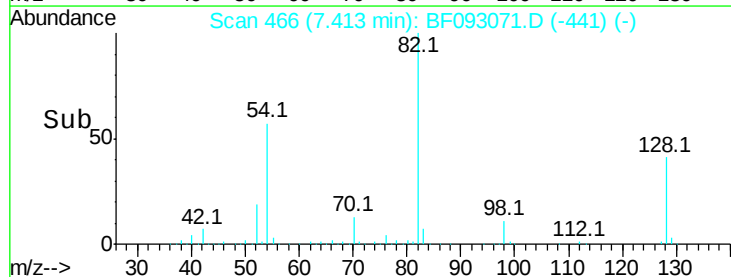


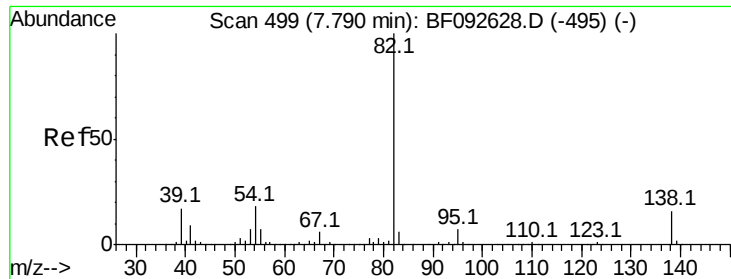
#23
Nitrobenzene-d5
Concen: 85.55 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Tgt Ion:	82	Resp:	932754
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.6	52.0
54	57.1	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: 37.28 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

Instrument :

BNA_F

ClientSampled :

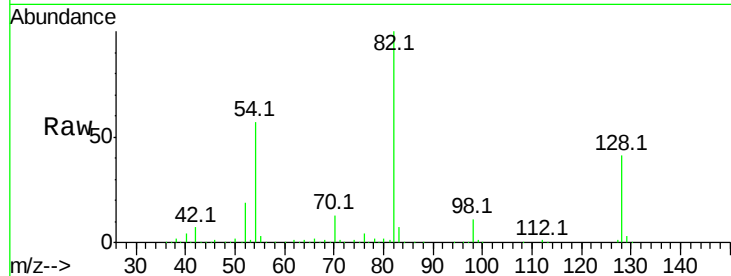
Tot Ion: 82 Resp: 757356

Ion Ratio Lower Upper

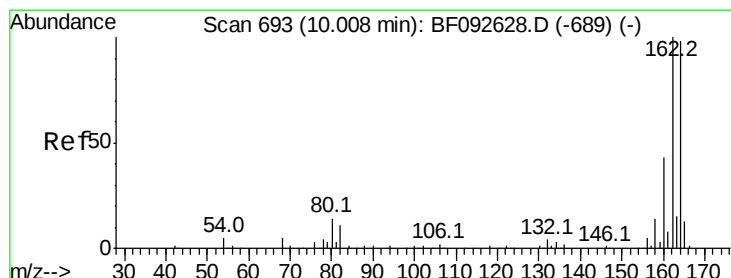
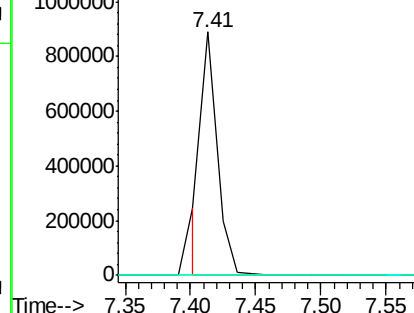
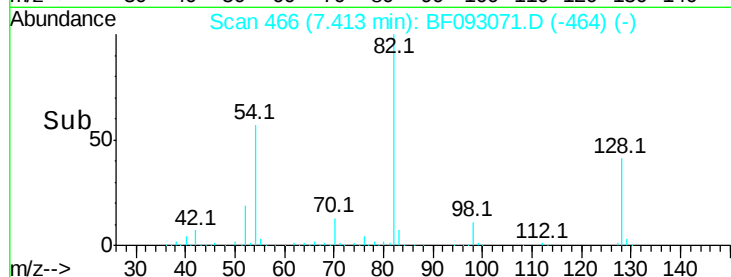
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

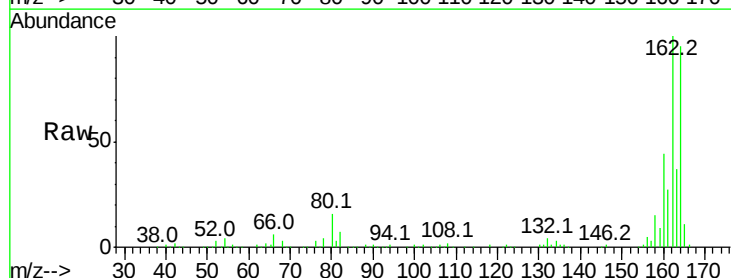
Tgt Ion:164 Resp: 281278

Ion Ratio Lower Upper

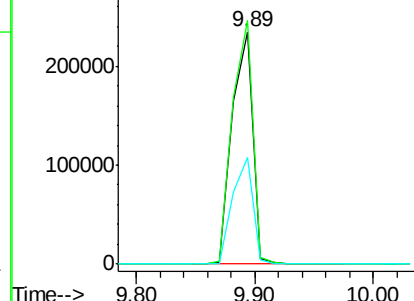
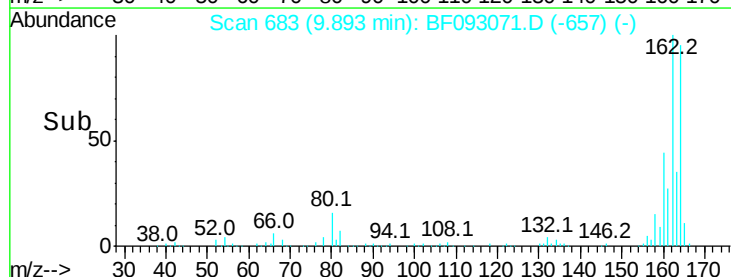
164 100

162 104.7 80.2 120.2

160 45.8 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

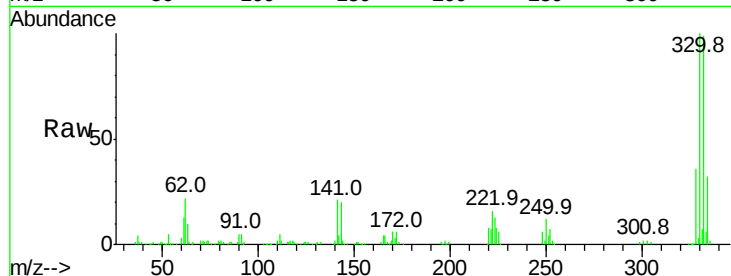




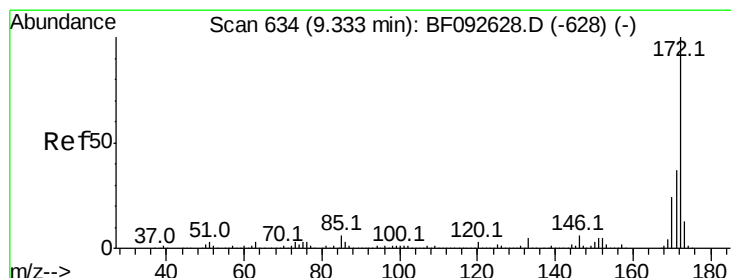
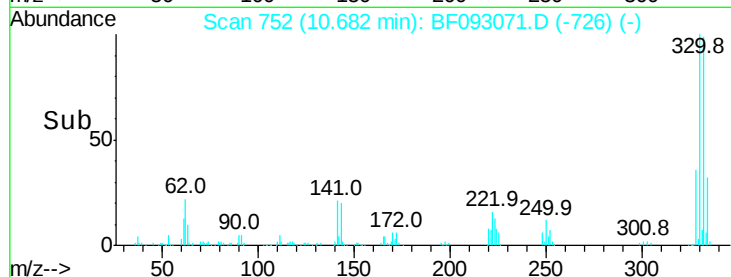
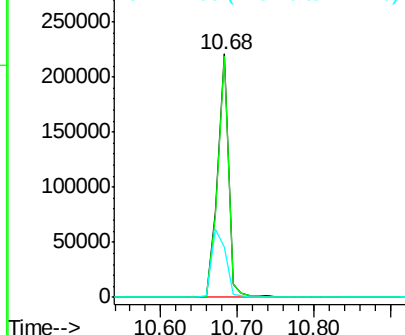
#41
 2,4,6-Tribromophenol
 Concen: 108.96 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093071.D
 Acq: 21 Feb 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 221657
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 35.6 34.1 51.1

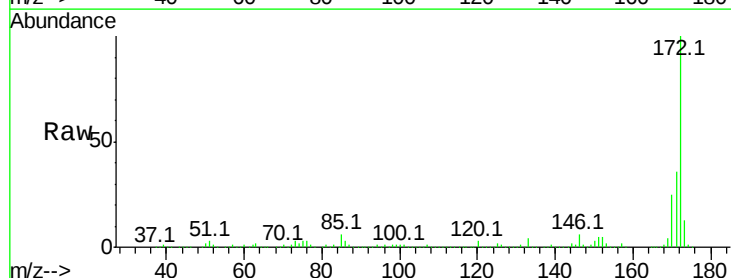


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

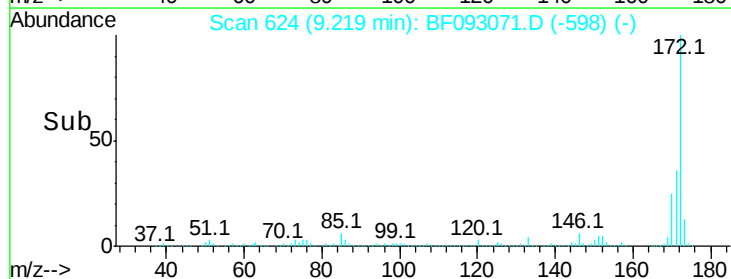
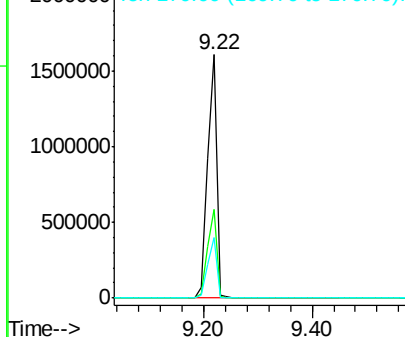


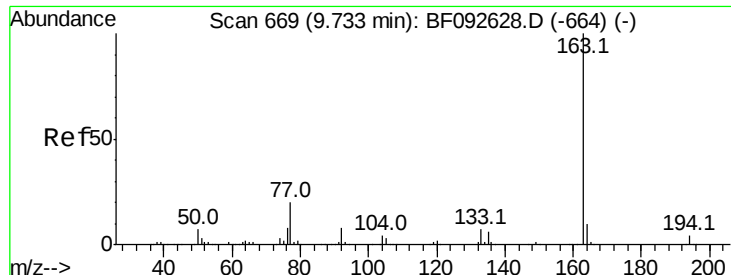
#44
 2-Fluorobiphenyl
 Concen: 117.56 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093071.D
 Acq: 21 Feb 2017 12:41

Tgt Ion:172 Resp: 1825294
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.8 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





#49

Dimethylphthalate

Concen: 3.46 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

Instrument :

BNA_F

ClientSampleId :

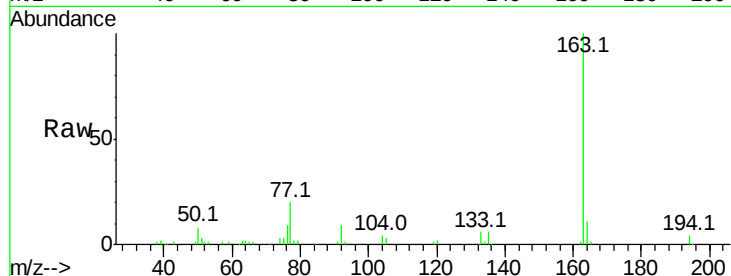
Tot Ion:163 Resp: 65611

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

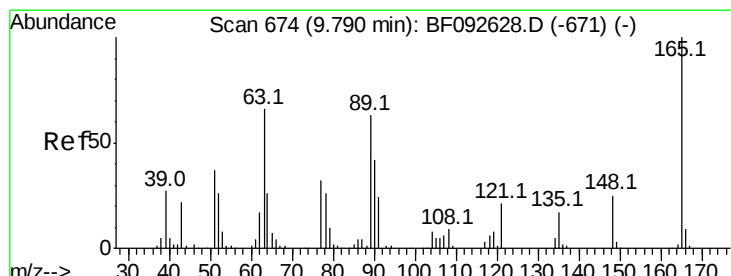
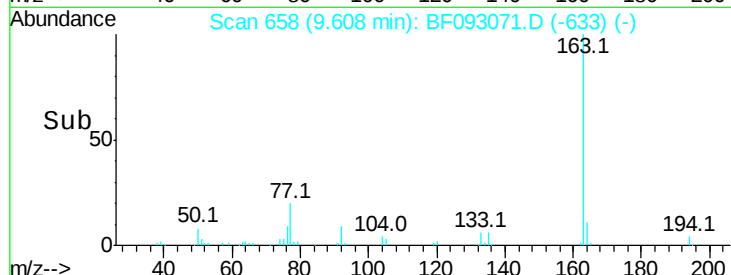
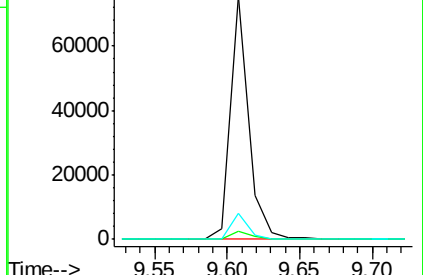
164 10.7 8.0 12.0



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: 8.49 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.21 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

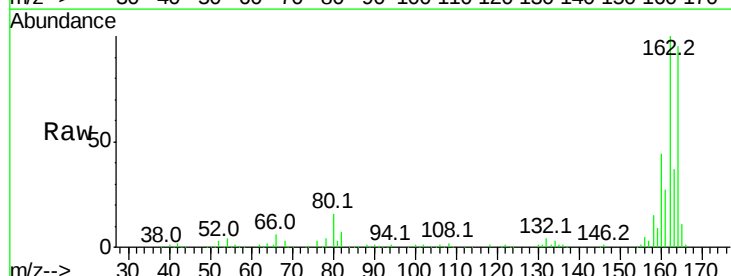
Tgt Ion:165 Resp: 34748

Ion Ratio Lower Upper

165 100

63 1.8 36.2 54.4#

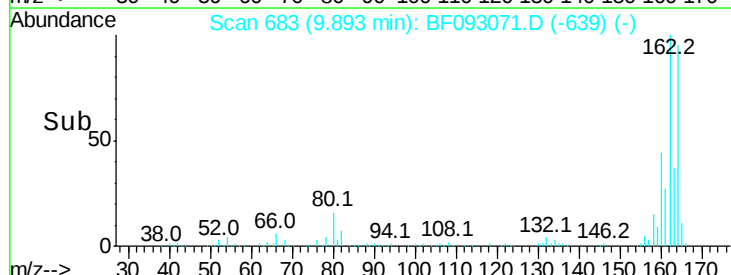
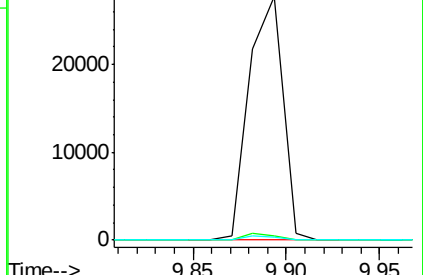
89 1.4 40.2 60.4#

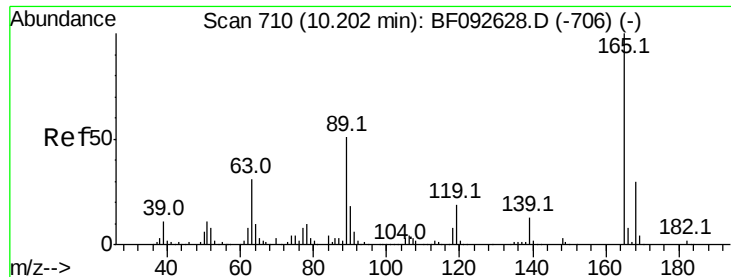


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

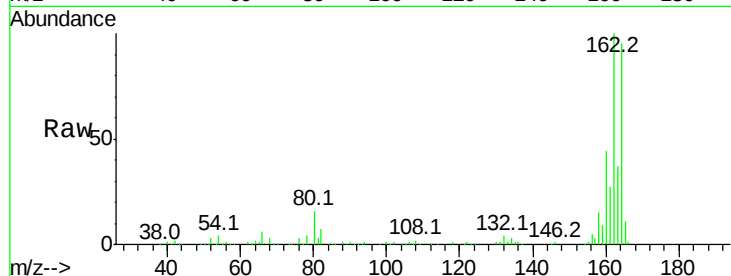




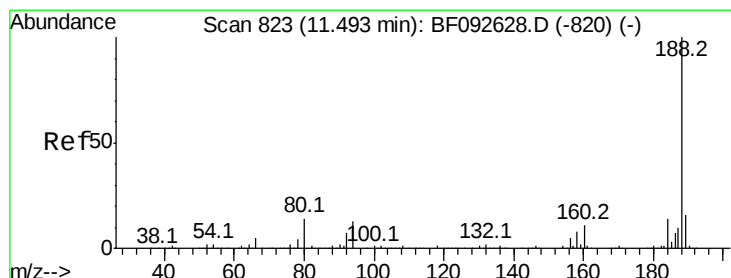
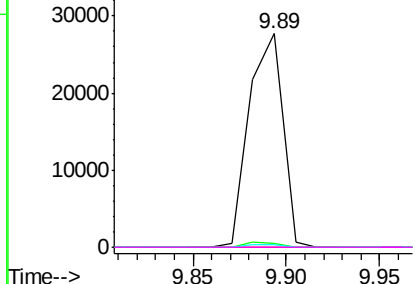
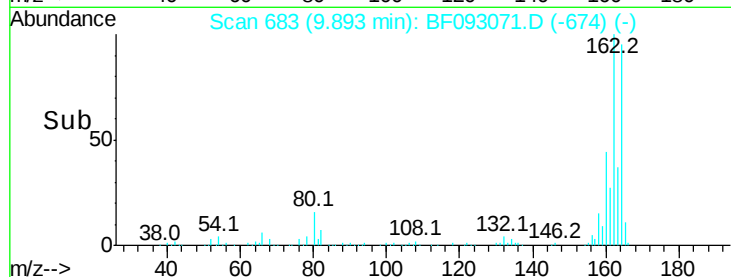
#56
2,4-Dinitrotoluene
Concen: 6.38 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.19 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 34748
Ion Ratio Lower Upper
165 100
63 1.8 40.2 60.4#
89 1.4 62.5 93.7#
182 0.0 1.8 2.8#

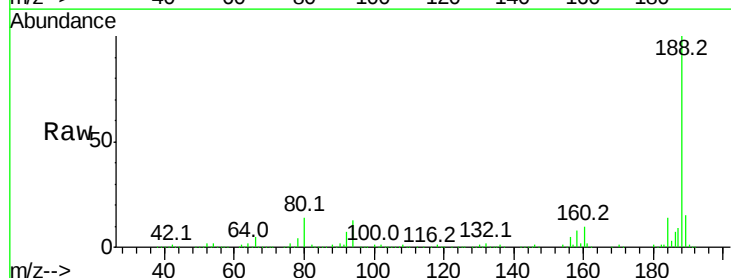


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

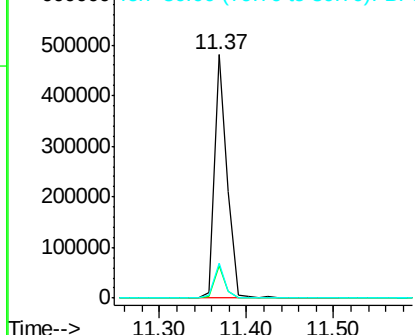
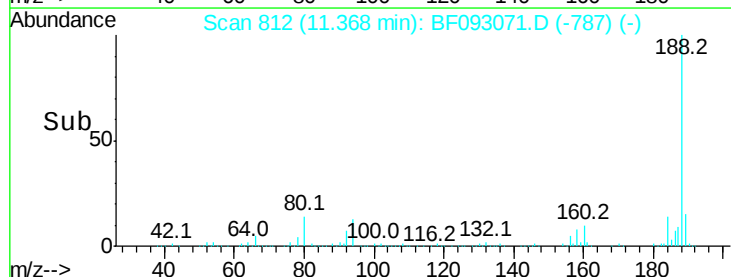


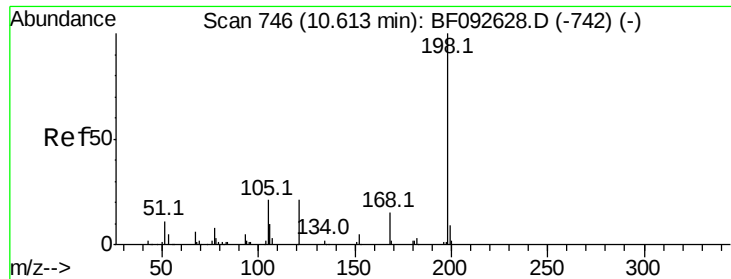
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Tgt Ion:188 Resp: 496285
Ion Ratio Lower Upper
188 100
94 13.1 10.0 15.0
80 14.4 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

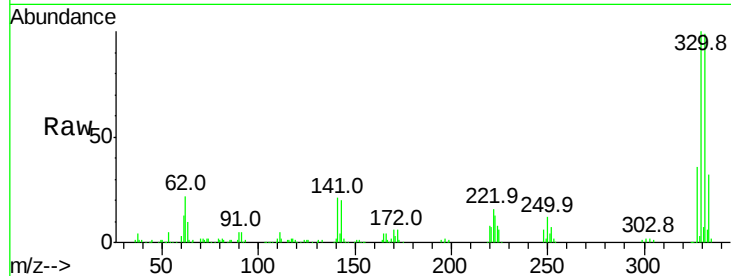




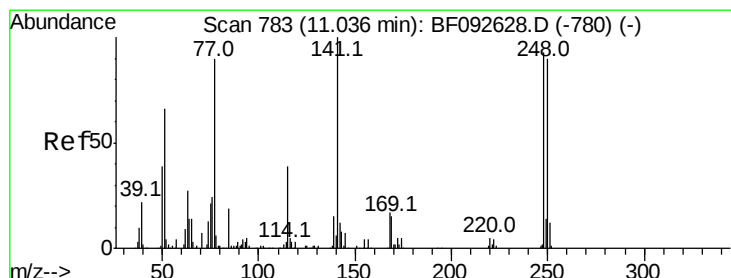
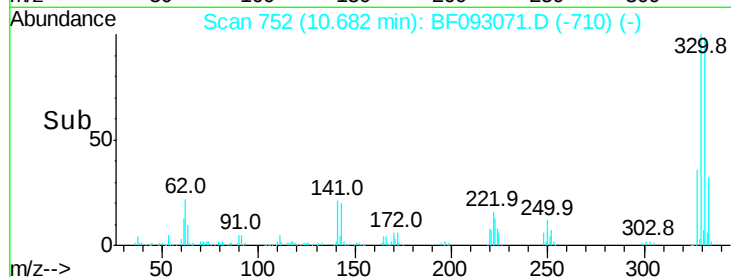
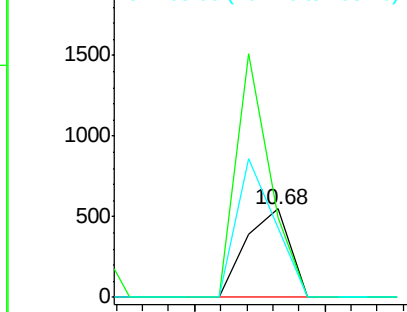
#64
4,6-Dinitro-2-methylphenol
Concen: 2.87 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.18 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 646
Ion Ratio Lower Upper
198 100
51 89.6 6.7 46.7#
105 78.2 16.6 56.6#

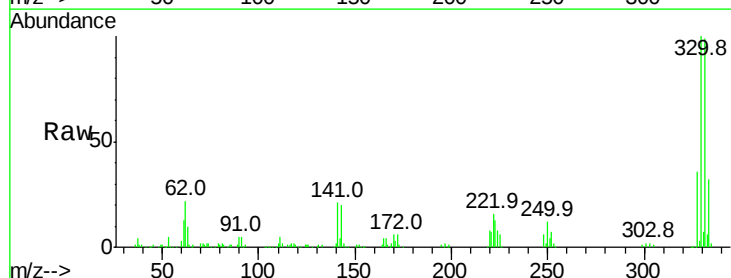


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

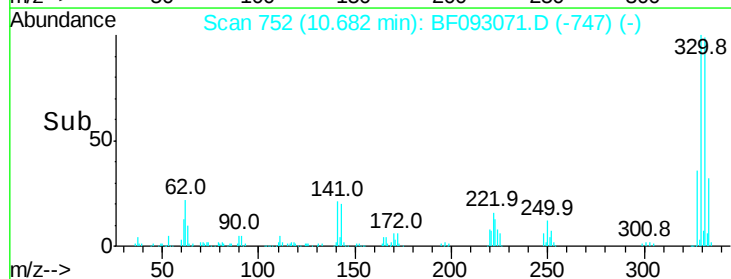
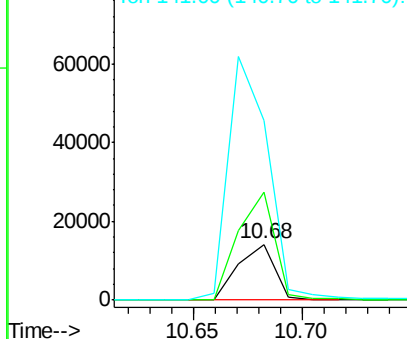


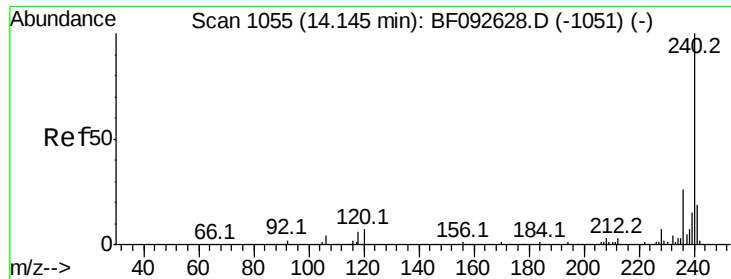
#66
4-Bromophenyl-phenylether
Concen: 3.18 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.24 min
Lab File: BF093071.D
Acq: 21 Feb 2017 12:41

Tgt Ion:248 Resp: 16464
Ion Ratio Lower Upper
248 100
250 192.0 76.9 115.3#
141 321.6 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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

Instrument :

BNA_F

ClientSampleId :

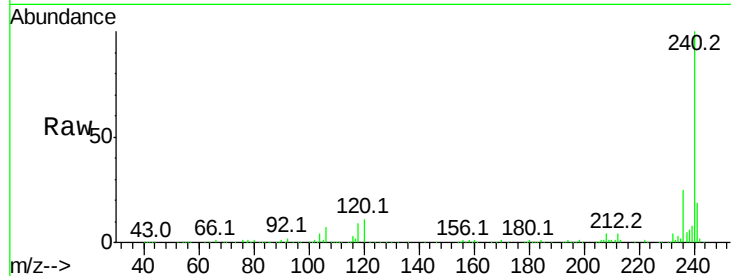
Tot Ion:240 Resp: 361611

Ion Ratio Lower Upper

240 100

120 10.5 12.9 19.3#

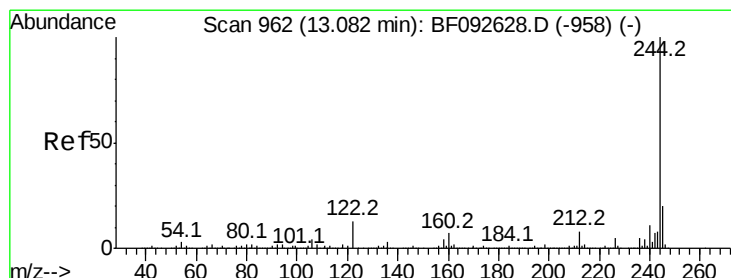
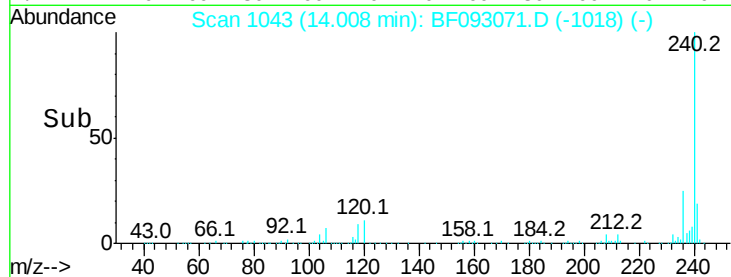
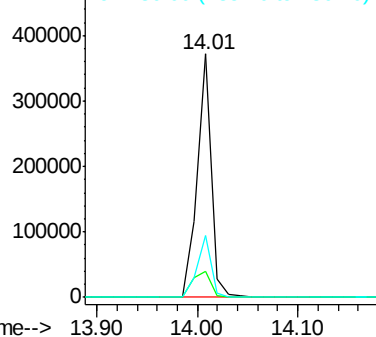
236 25.2 20.9 31.3



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: 82.33 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093071.D

Acq: 21 Feb 2017 12:41

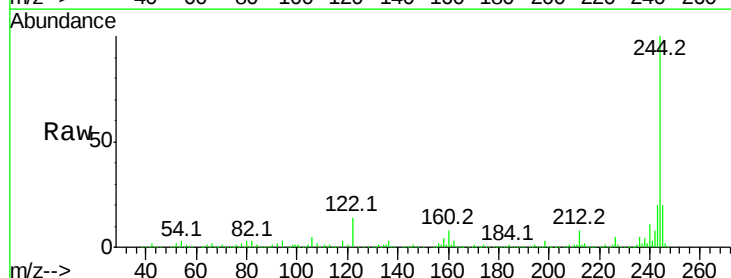
Tgt Ion:244 Resp: 1267001

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

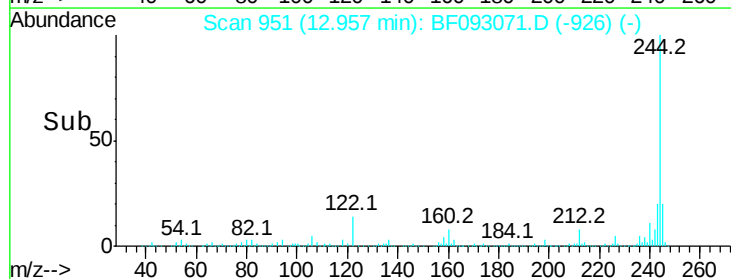
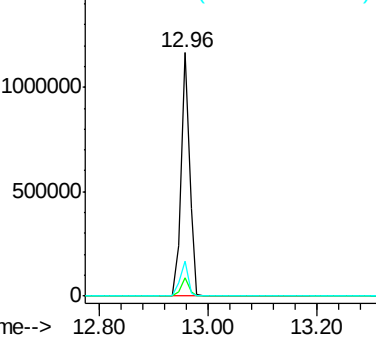
122 14.2 11.4 17.2

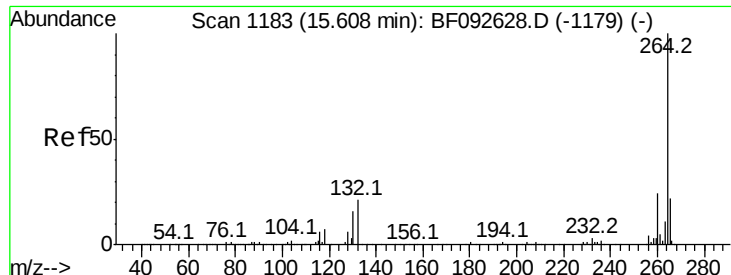


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

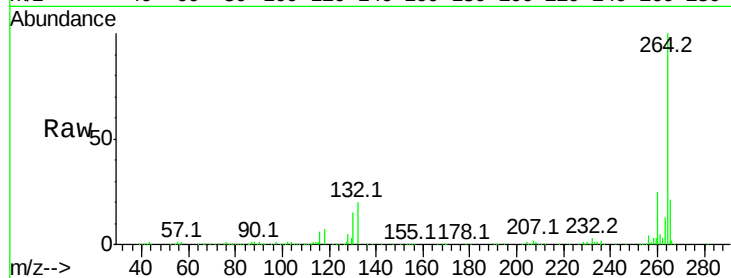




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093071.D
 Acq: 21 Feb 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.2	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

