

Data Path : Z:\HPCHEM1\BNA F\Data\BF022317\
 Data File : BF093102.D
 Acq On : 23 Feb 2017 11:34
 Operator : SJ/MA
 Sample : I1930-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14A-9-11

Quant Time: Feb 23 12:36:17 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

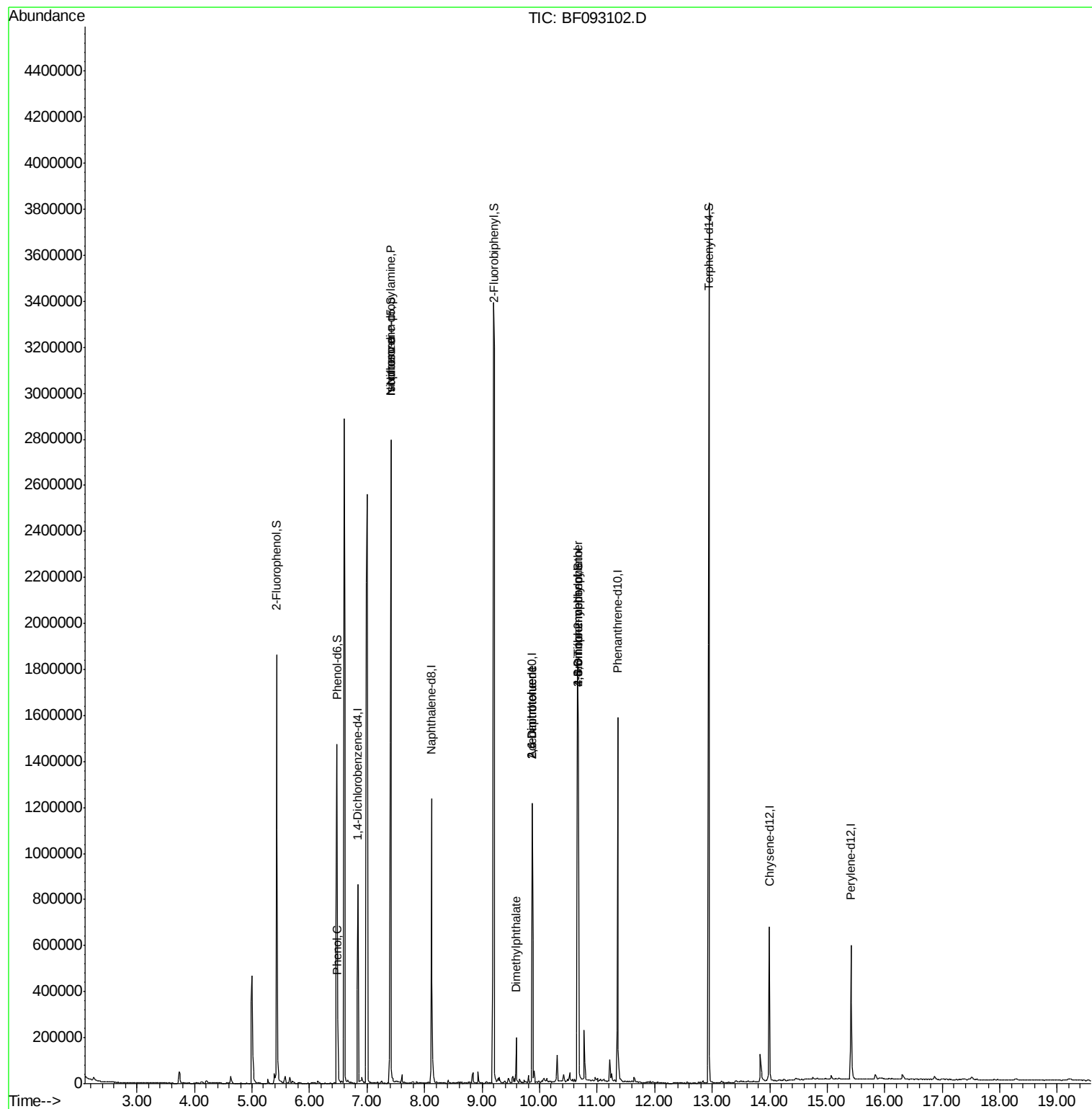
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155411	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	584420	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	275970	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	533450	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	354767	20.00	ng	-0.02
86) Perylene-d12	15.41	264	268563	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	628276	69.36	ng	-0.02
7) Phenol-d6	6.48	99	553581	47.50	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1052965	100.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	325436	163.05	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1718646	112.82	ng	-0.01
78) Terphenyl-d14	12.95	244	1311403	86.86	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	68962	5.06	ng	# 67
19) n-Nitroso-di-n-propylamine	7.41	70	140498	18.94	ng	# 78
25) Isophorone	7.41	82	1024547	52.39	ng	# 65
49) Dimethylphthalate	9.60	163	80667	4.34	ng	99
50) 2,6-Dinitrotoluene	9.87	165	35327	8.80	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	35327	6.61	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	655	2.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	21967	3.94	ng	# 1

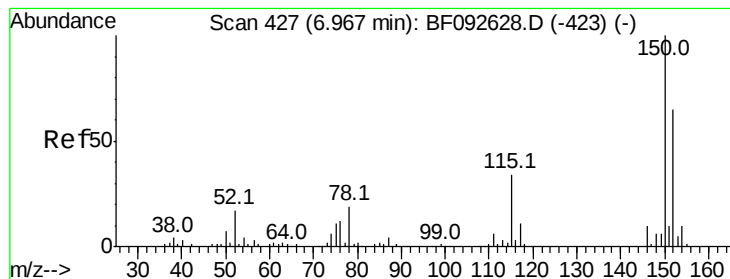
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093102.D

Acq: 23 Feb 2017 11:34

Instrument :

BNA_F

ClientSampleId :

14A-9-11

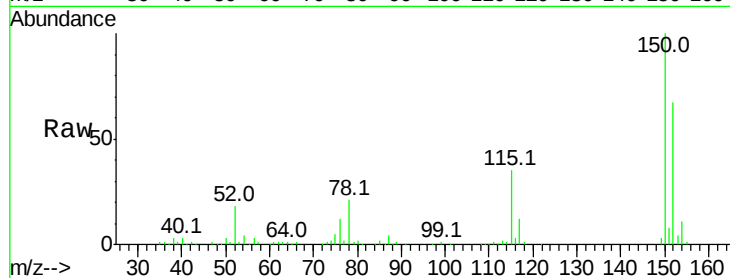
Tot Ion:152 Resp: 155411

Ion Ratio Lower Upper

152 100

150 150.3 124.9 187.3

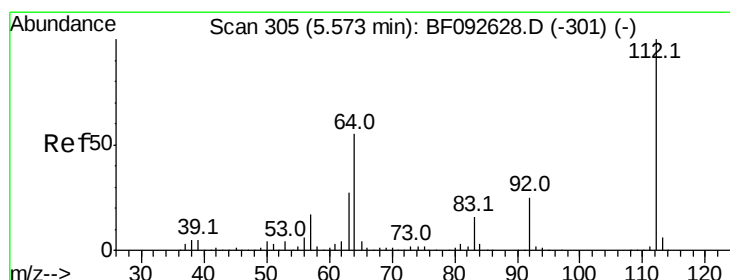
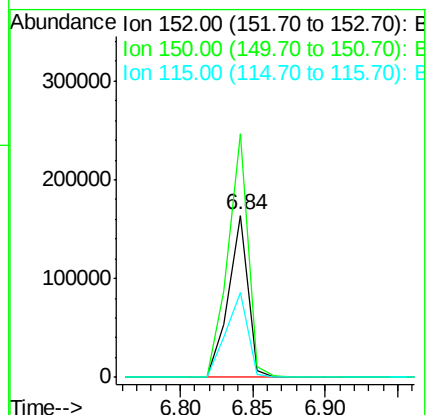
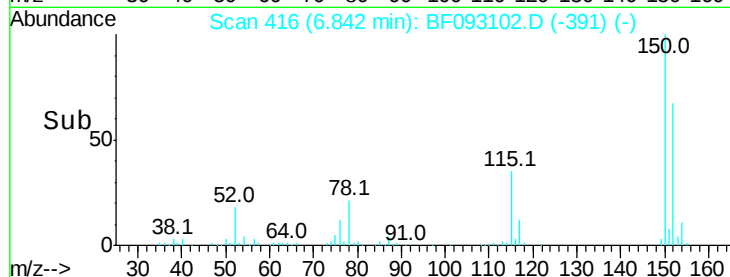
115 52.7 46.0 69.0



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: 69.36 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093102.D

Acq: 23 Feb 2017 11:34

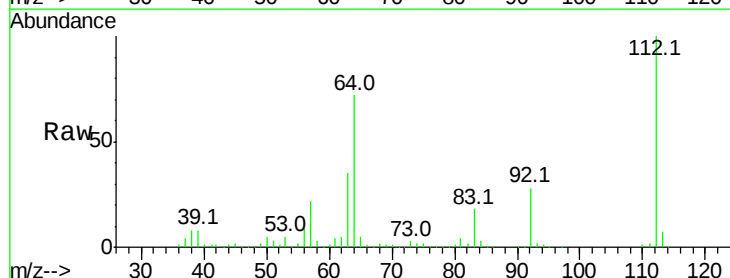
Tgt Ion:112 Resp: 628276

Ion Ratio Lower Upper

112 100

64 71.7 46.1 69.1#

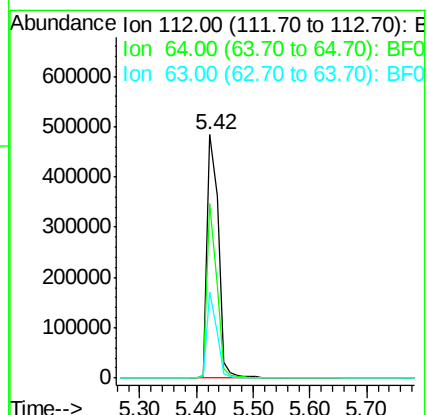
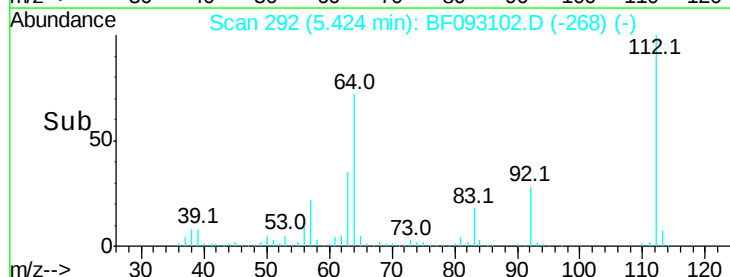
63 35.4 23.8 35.6



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: 47.50 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093102.D

Acq: 23 Feb 2017 11:34

Instrument :

BNA_F

ClientSampleId :

14A-9-11

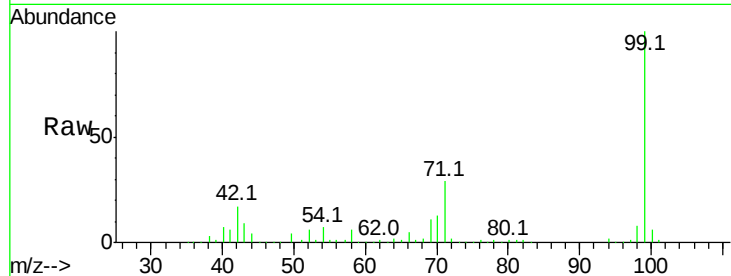
Tot Ion: 99 Resp: 553581

Ion Ratio Lower Upper

99 100

42 16.5 15.6 23.4

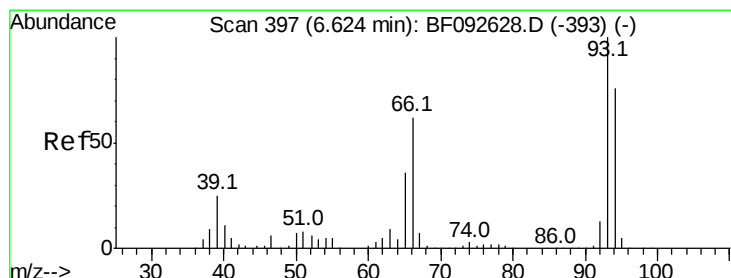
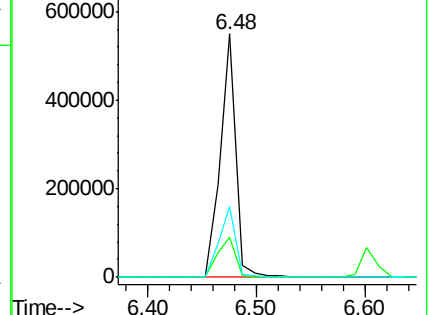
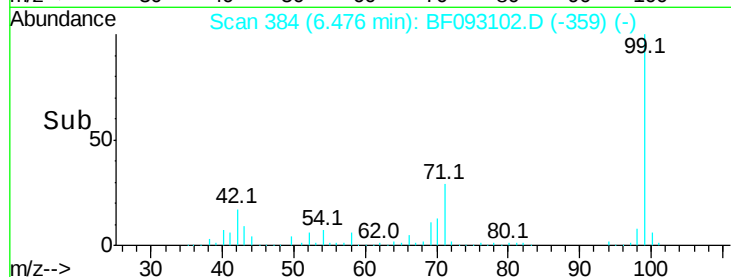
71 29.1 27.5 41.3



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



#10

Phenol

Concen: 5.06 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093102.D

Acq: 23 Feb 2017 11:34

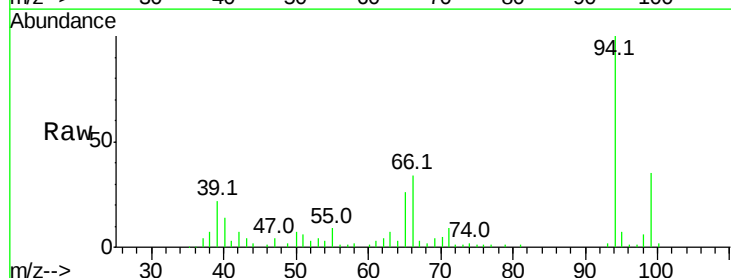
Tgt Ion: 94 Resp: 68962

Ion Ratio Lower Upper

94 100

65 25.8 21.4 61.4

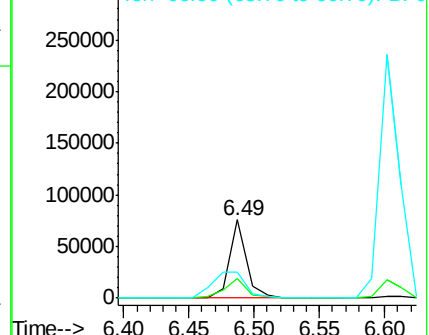
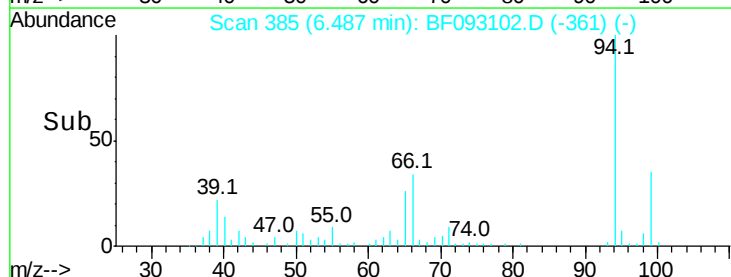
66 33.8 44.0 84.0#

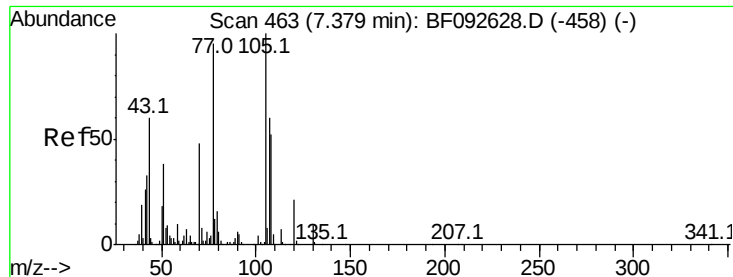


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

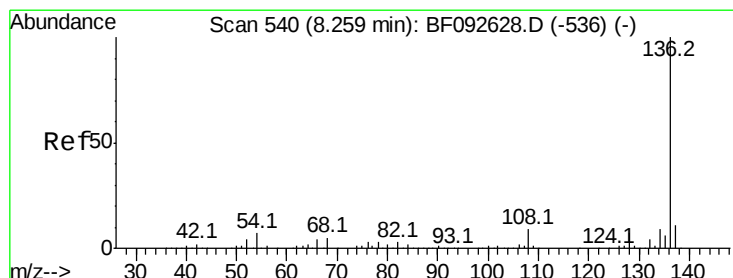
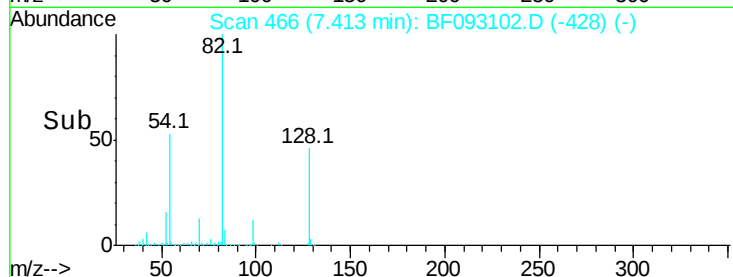
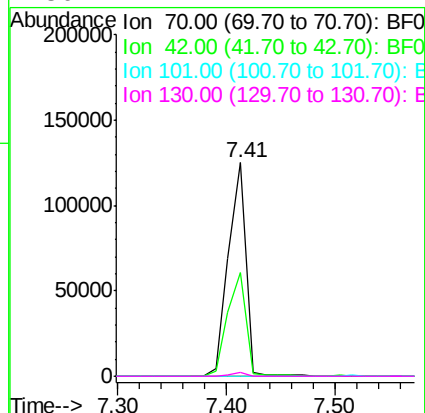
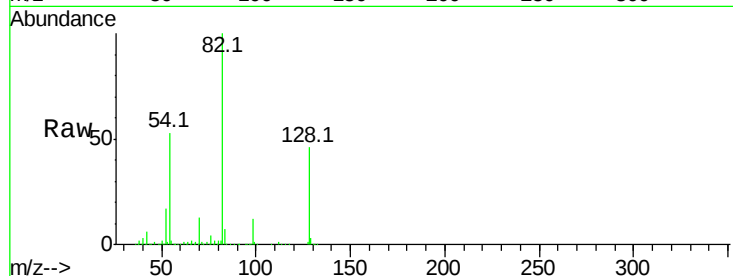




#19
n-Nitroso-di-n-propylamine
Concen: 18.94 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093102.D
Acq: 23 Feb 2017 11:34

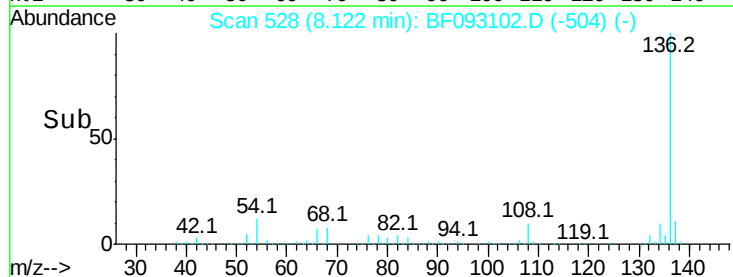
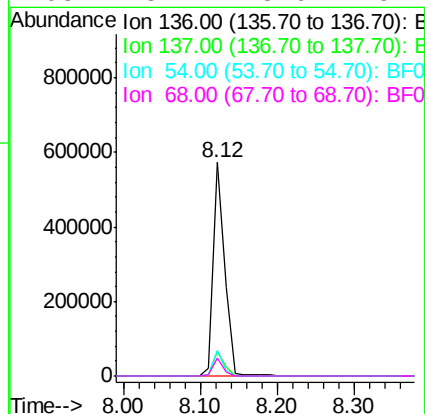
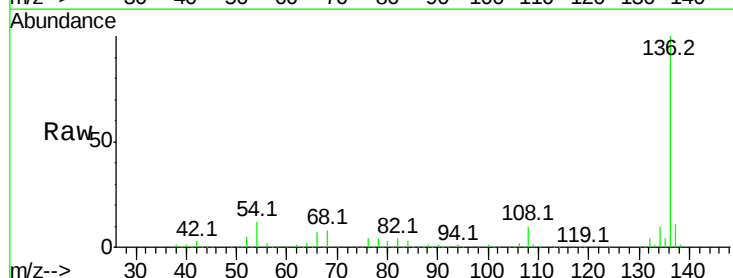
Instrument :
BNA_F
ClientSampleId :
14A-9-11

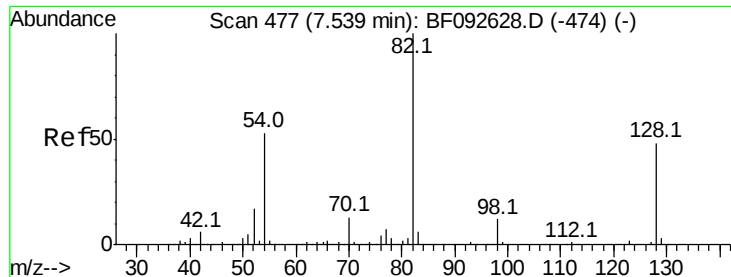
Tot Ion: 70 Resp: 140498
Ion Ratio Lower Upper
70 100
42 48.7 49.4 74.0#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093102.D
Acq: 23 Feb 2017 11:34

Tgt Ion:136 Resp: 584420
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 12.1 4.5 6.7#
68 8.2 3.6 5.4#



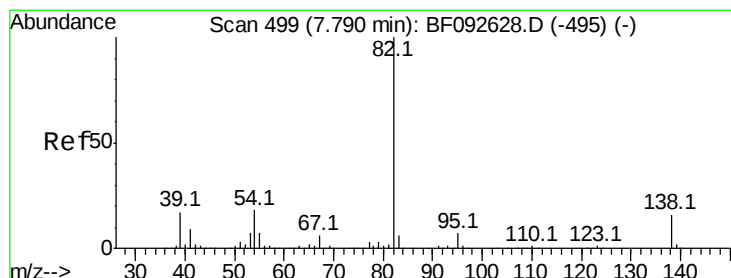
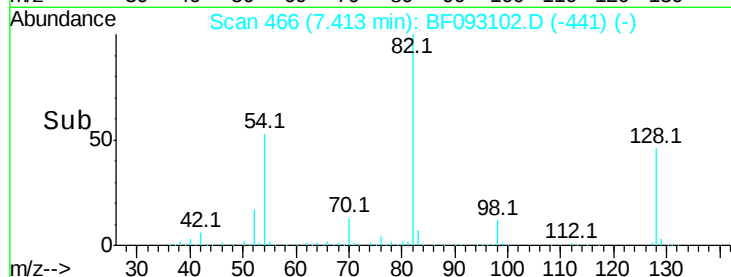
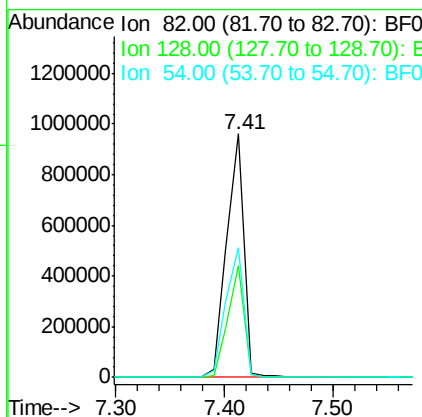
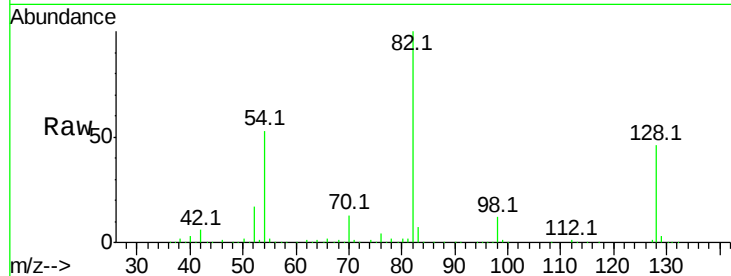


#23
 Nitrobenzene-d5
 Concen: 100.33 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 14A-9-11

Tot Ion: 82 Resp: 1052965

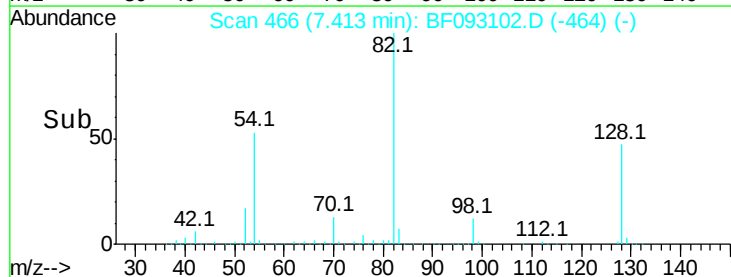
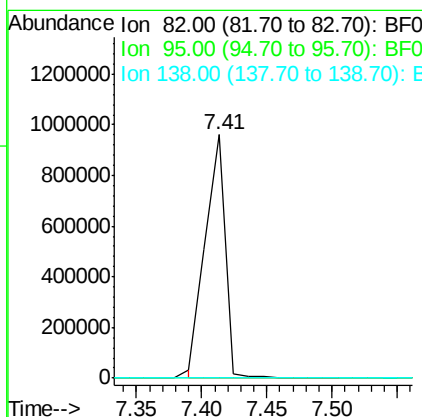
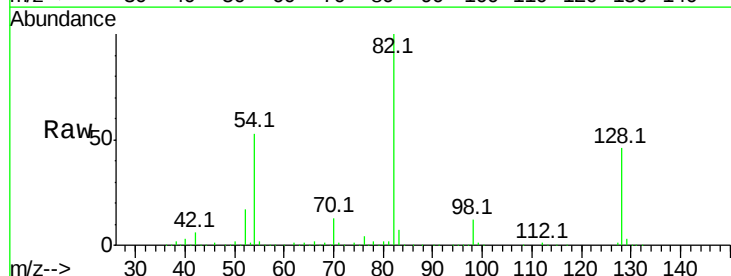
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.6	52.0
54	53.4	39.5	59.3

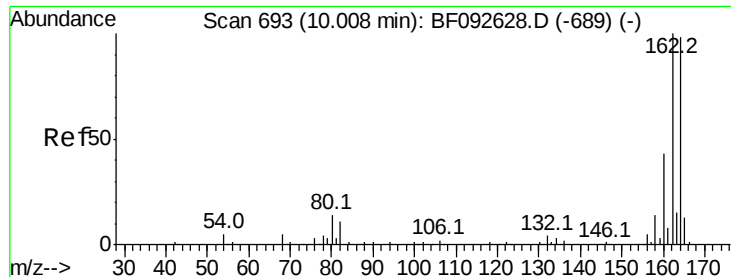


#25
 Isophorone
 Concen: 52.39 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.27 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Tgt Ion: 82 Resp: 1024547

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

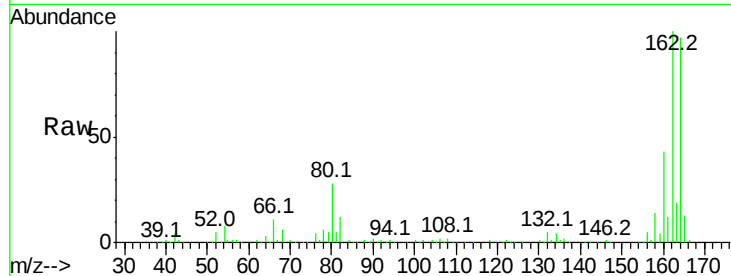




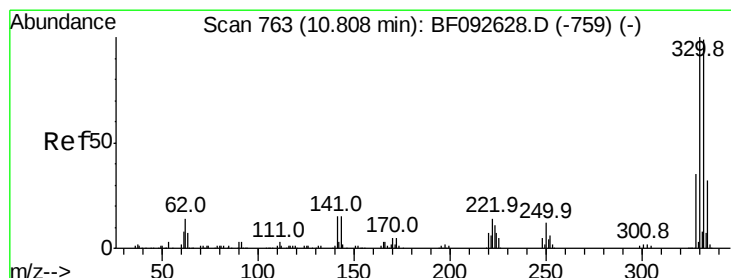
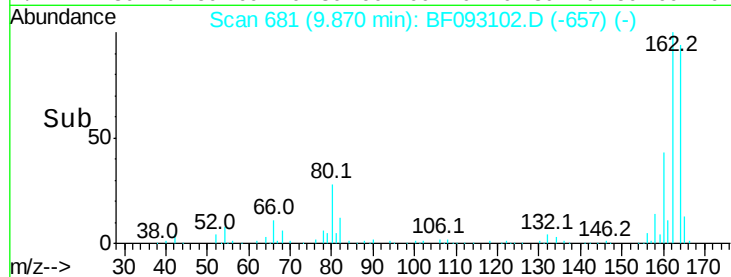
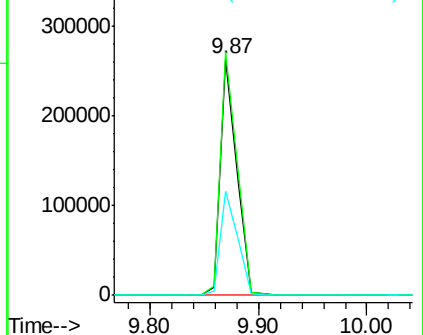
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.02 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 14A-9-11

Tot Ion:164 Resp: 275970
 Ion Ratio Lower Upper
 164 100
 162 103.1 80.2 120.2
 160 44.1 36.9 55.3

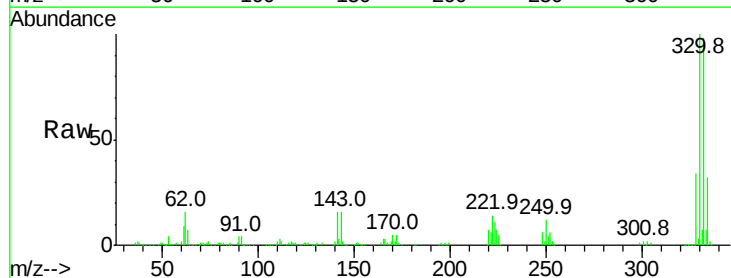


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

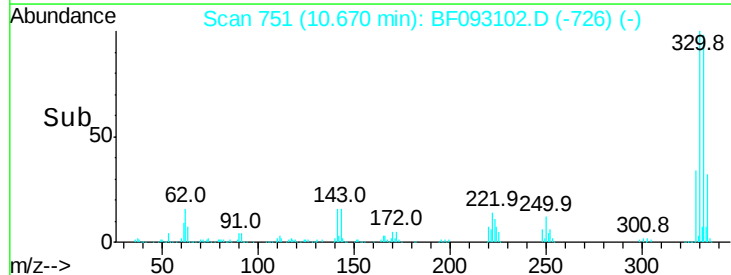
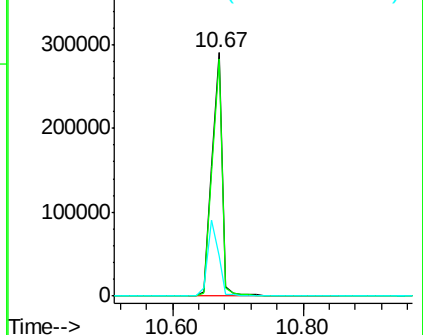


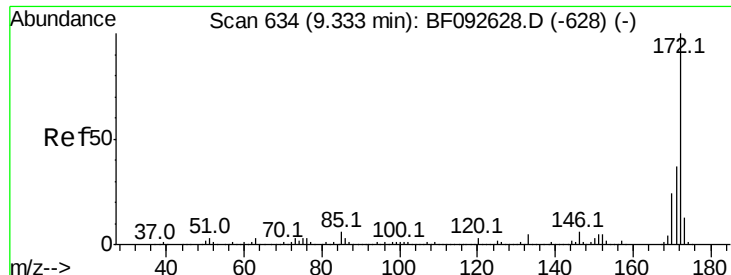
#41
 2,4,6-Tribromophenol
 Concen: 163.05 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Tgt Ion:330 Resp: 325436
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.2
 141 32.6 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

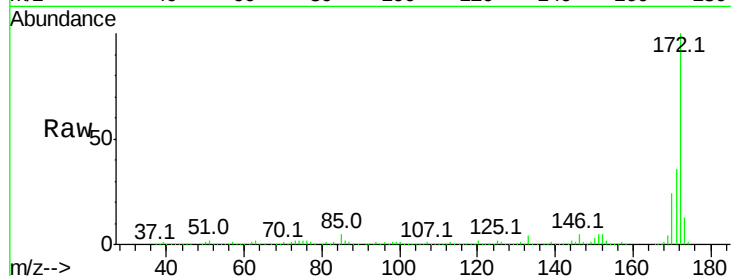




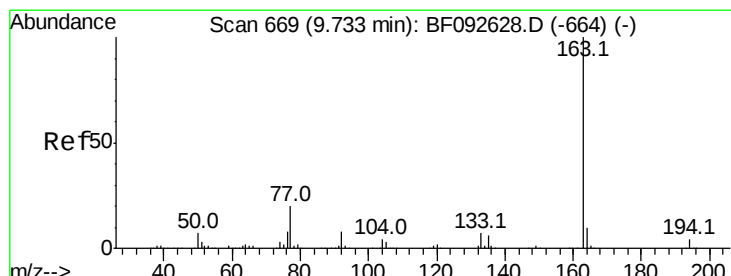
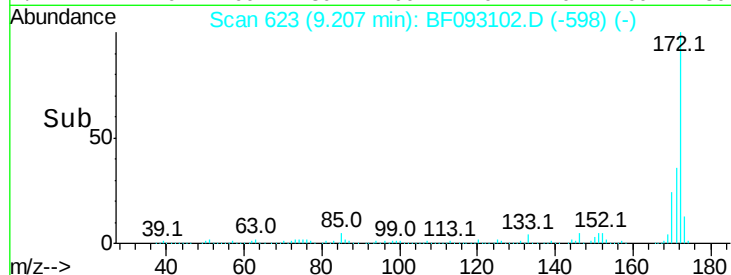
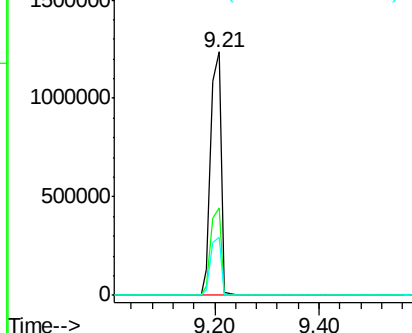
#44
 2-Fluorobiphenyl
 Concen: 112.82 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 14A-9-11

Tot Ion:172 Resp: 1718646
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 23.9 20.2 30.4

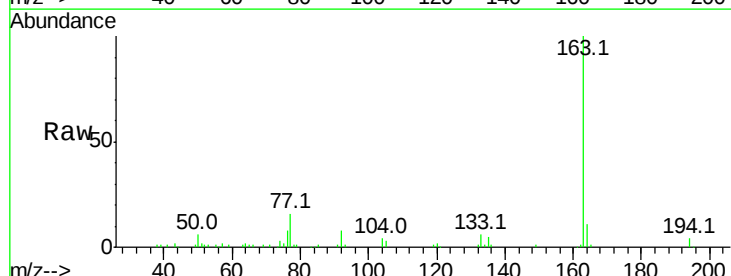


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

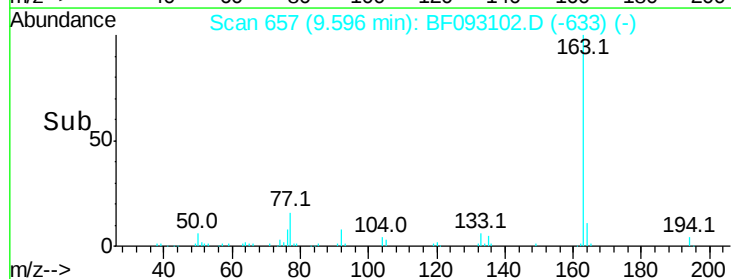
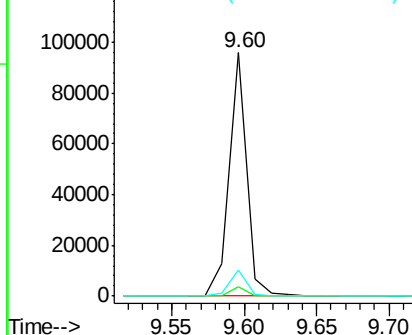


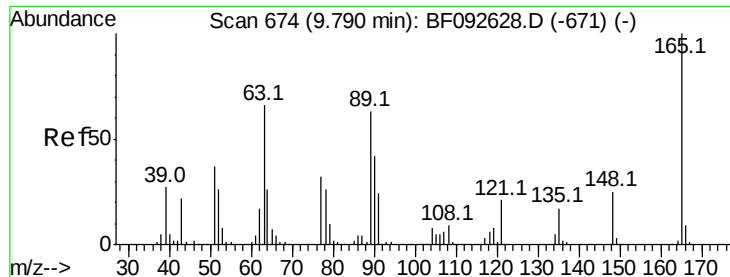
#49
 Dimethylphthalate
 Concen: 4.34 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Tgt Ion:163 Resp: 80667
 Ion Ratio Lower Upper
 163 100
 194 3.7 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

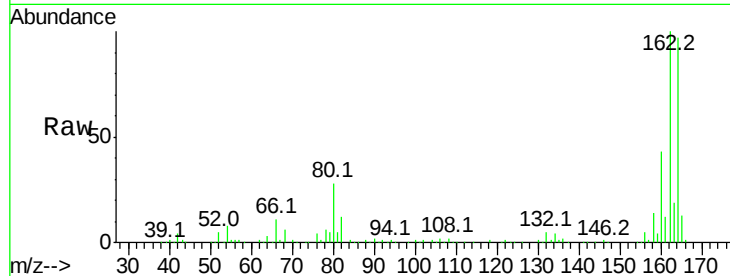




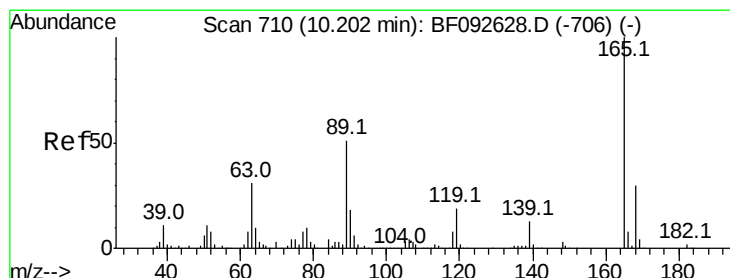
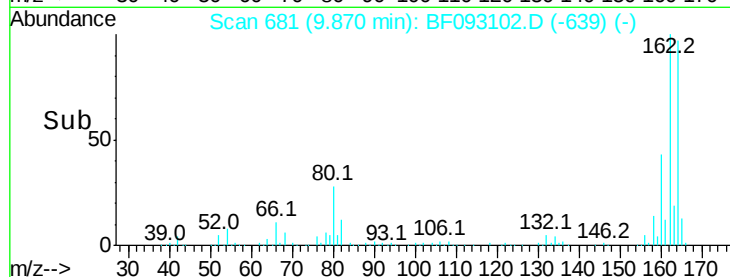
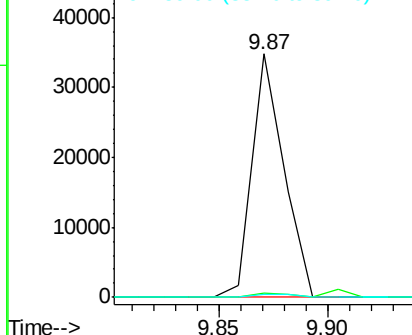
#50
 2,6-Dinitrotoluene
 Concen: 8.80 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Instrument :
 BNA_F
 ClientSampleId :
 14A-9-11

Tot Ion:165 Resp: 35327
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.2 54.4#
 89 1.1 40.2 60.4#

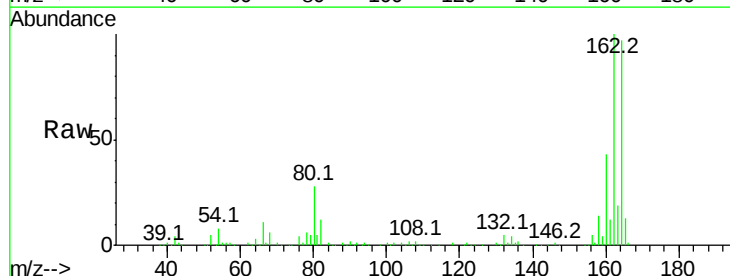


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

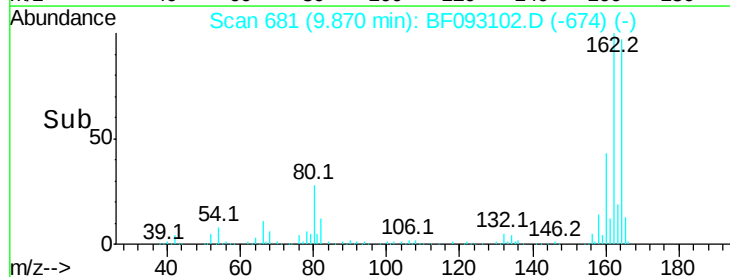
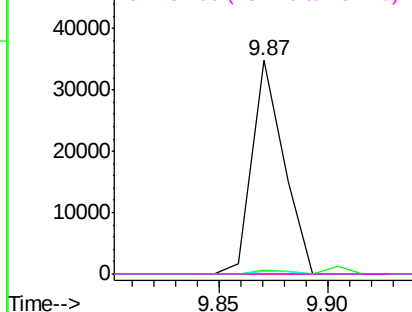


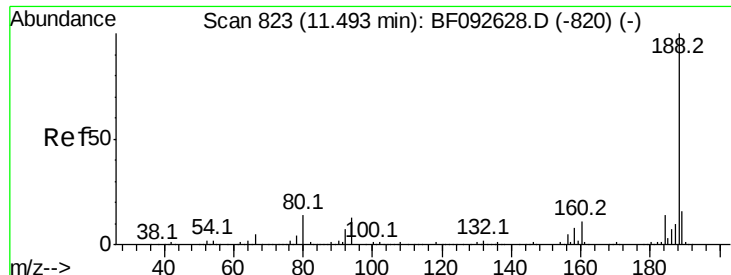
#56
 2,4-Dinitrotoluene
 Concen: 6.61 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093102.D
 Acq: 23 Feb 2017 11:34

Tgt Ion:165 Resp: 35327
 Ion Ratio Lower Upper
 165 100
 63 1.9 40.2 60.4#
 89 1.1 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

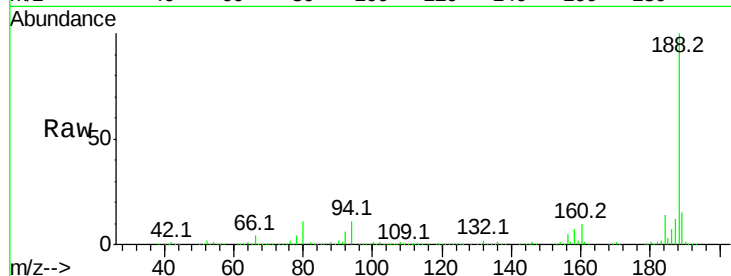




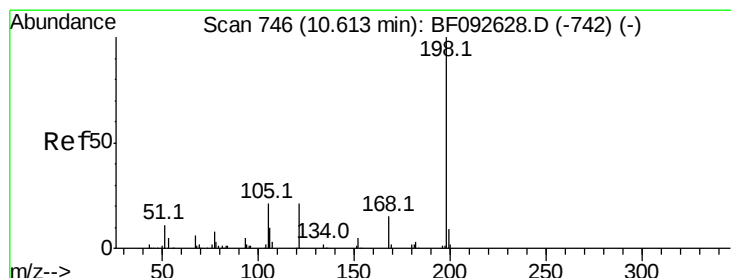
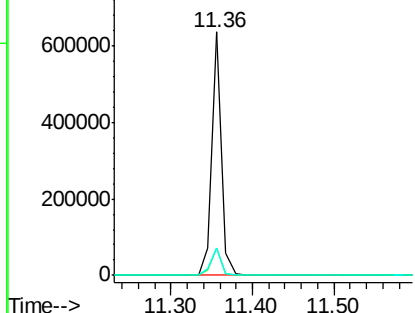
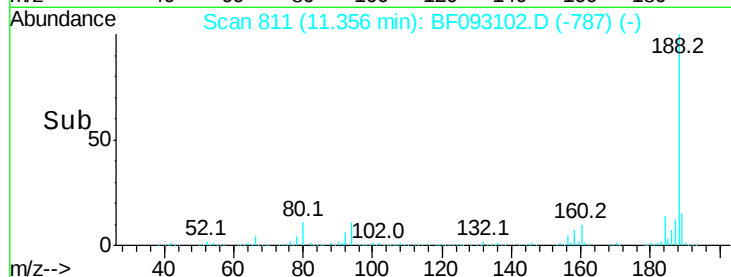
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093102.D
Acq: 23 Feb 2017 11:34

Instrument :
BNA_F
ClientSampleId :
14A-9-11

Tot Ion:188 Resp: 533450
Ion Ratio Lower Upper
188 100
94 11.3 10.0 15.0
80 11.5 11.2 16.8

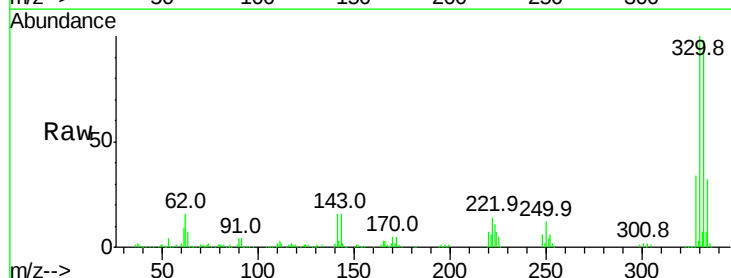


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

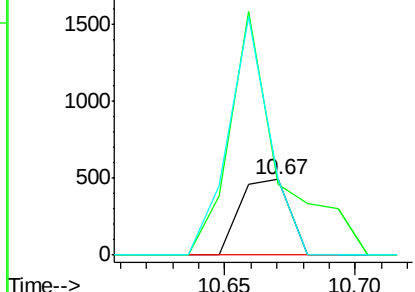
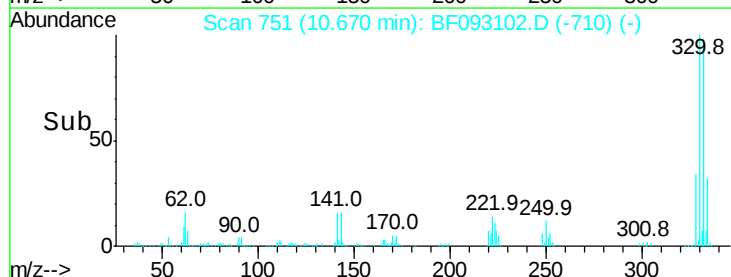


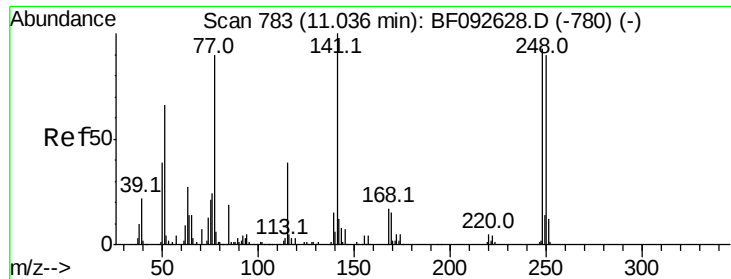
#64
4,6-Dinitro-2-methylphenol
Concen: 2.86 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.17 min
Lab File: BF093102.D
Acq: 23 Feb 2017 11:34

Tgt Ion:198 Resp: 655
Ion Ratio Lower Upper
198 100
51 93.7 6.7 46.7#
105 99.4 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: 3.94 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093102.D

Acq: 23 Feb 2017 11:34

Instrument :

BNA_F

ClientSampleId :

14A-9-11

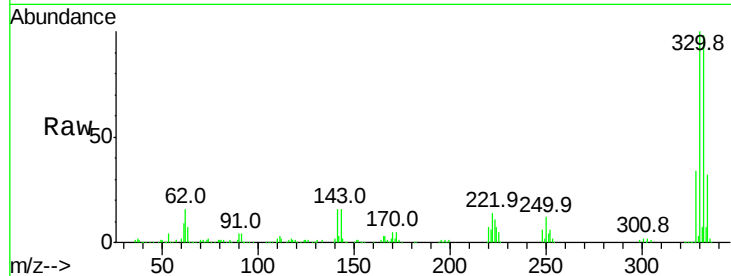
Tot Ion:248 Resp: 21967

Ion Ratio Lower Upper

248 100

250 208.1 76.9 115.3#

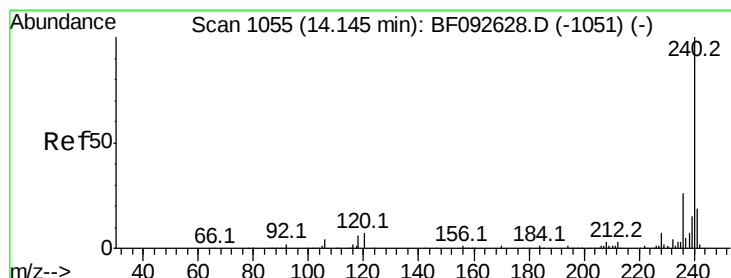
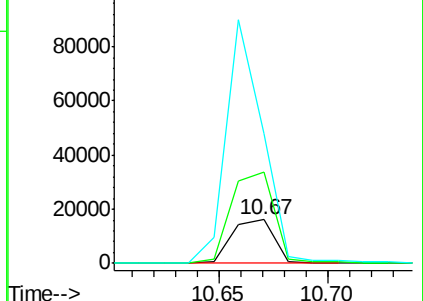
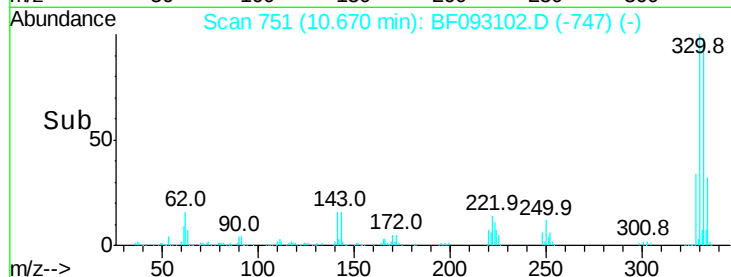
141 294.7 68.2 102.4#



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: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093102.D

Acq: 23 Feb 2017 11:34

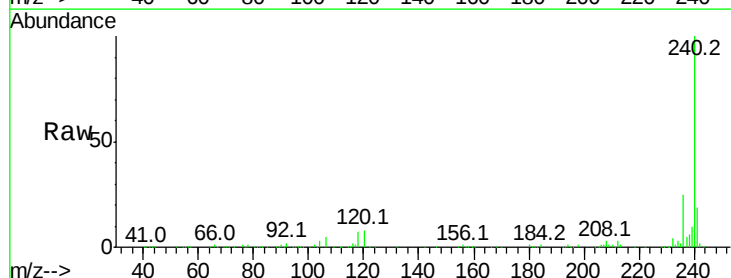
Tgt Ion:240 Resp: 354767

Ion Ratio Lower Upper

240 100

120 8.2 12.9 19.3#

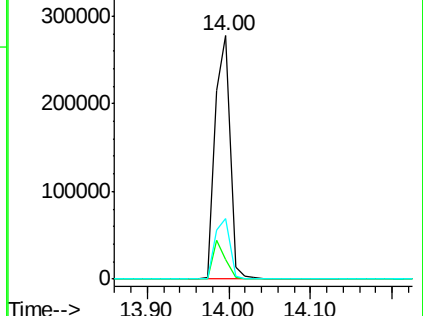
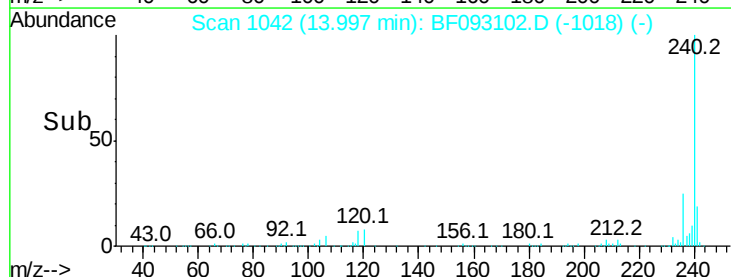
236 25.0 20.9 31.3

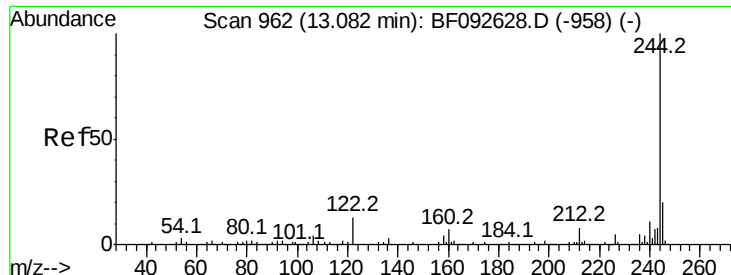


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.86 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093102.D

Acq: 23 Feb 2017 11:34

Instrument :

BNA_F

ClientSampleId :

14A-9-11

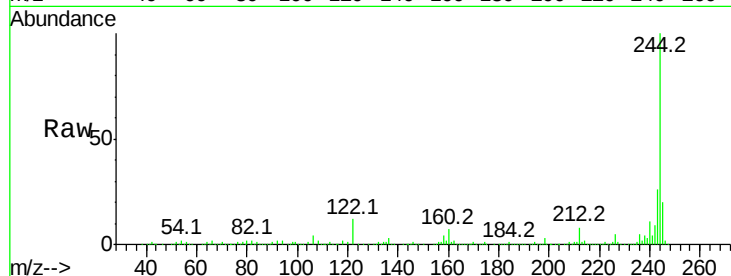
Tot Ion:244 Resp: 1311403

Ion Ratio Lower Upper

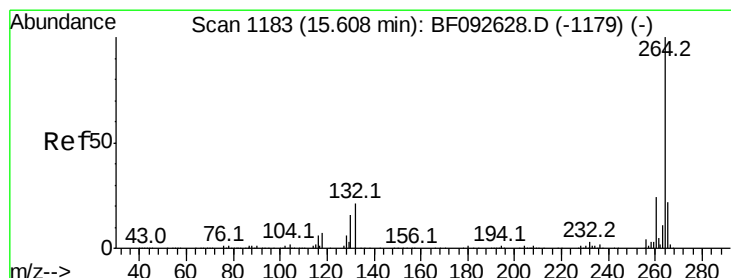
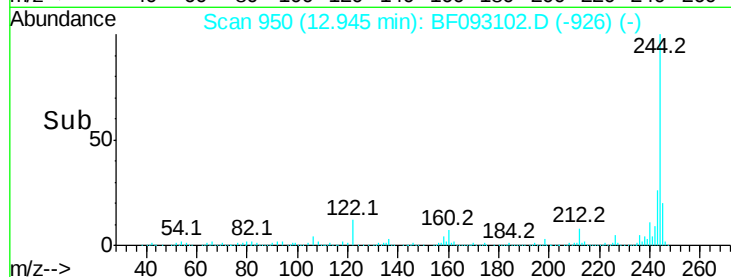
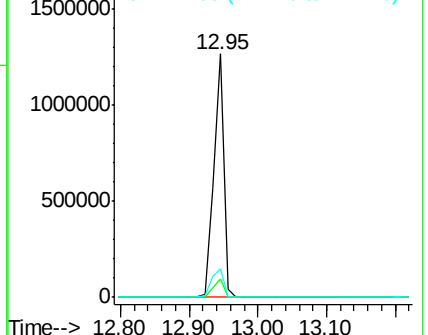
244 100

212 7.5 6.2 9.2

122 11.9 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: BF093102.D

Acq: 23 Feb 2017 11:34

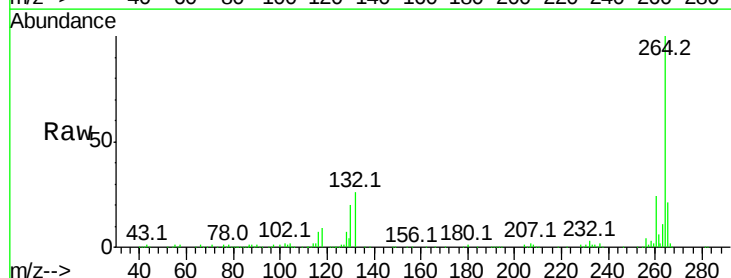
Tgt Ion:264 Resp: 268563

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 20.9 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

