

Data Path : Z:\HPCHEM1\BNA F\Data\BF022017\
 Data File : BF093064.D
 Acq On : 21 Feb 2017 9:30
 Operator : SJ/MA
 Sample : I1897-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:24:21 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

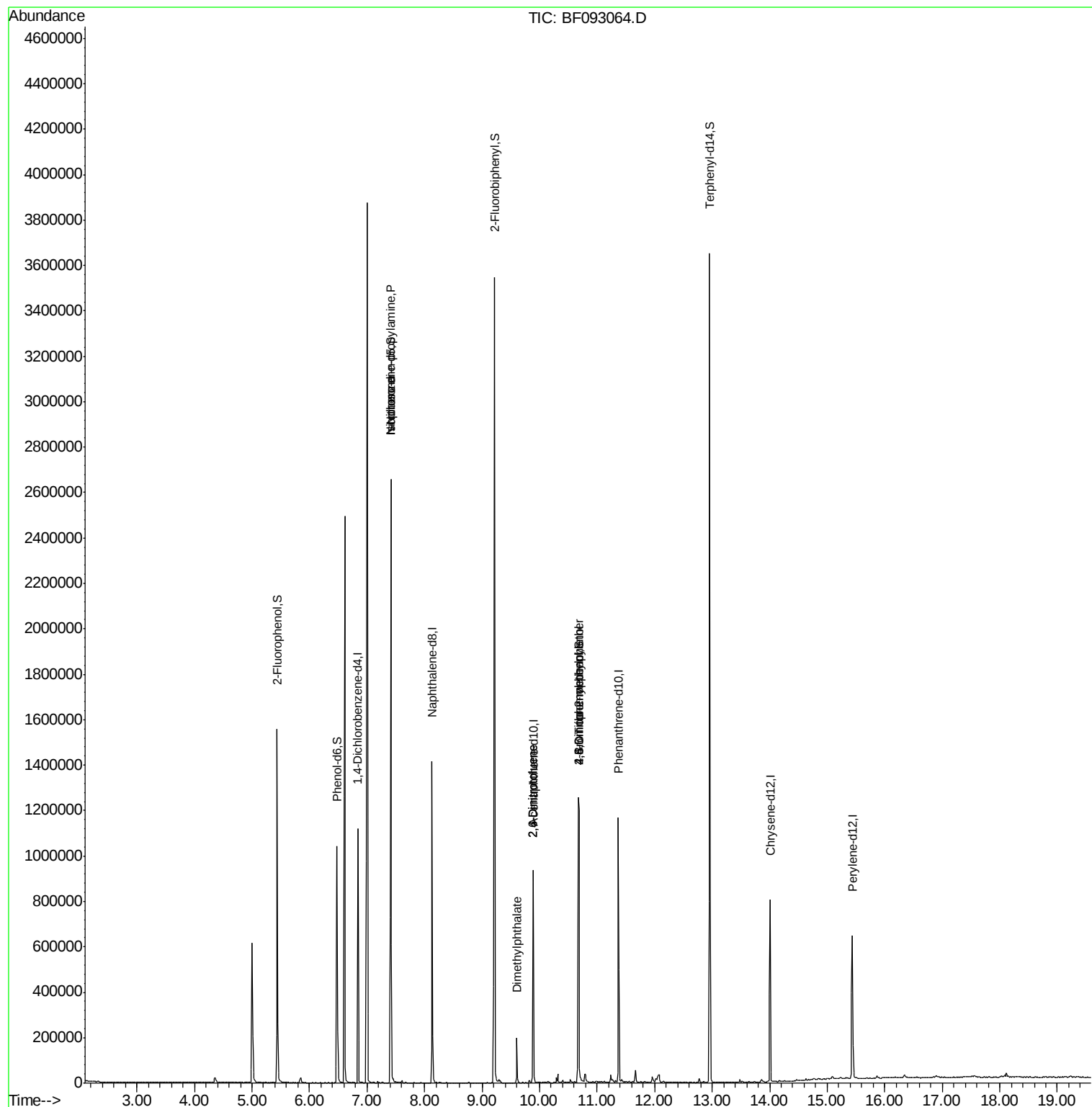
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	158743	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	606489	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	274771	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	476248	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	324587	20.00	ng	-0.01
86) Perylene-d12	15.44	264	295185	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	413967	44.74	ng	-0.01
7) Phenol-d6	6.48	99	330739	27.78	ng	-0.01
23) Nitrobenzene-d5	7.41	82	950190	87.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	222242	111.83	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1804948	119.01	ng	0.00
78) Terphenyl-d14	12.96	244	1189029	86.07	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	123312	16.27	ng	# 81
25) Isophorone	7.41	82	778778	38.37	ng	# 65
49) Dimethylphthalate	9.61	163	81382	4.40	ng	100
50) 2,6-Dinitrotoluene	9.88	165	34003	8.51	ng	# 30
56) 2,4-Dinitrotoluene	9.88	165	34003	6.39	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.68	198	352	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	15173	3.05	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: BF093064.D

Acq: 21 Feb 2017 9:30

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BNA_F

ClientSampleId :

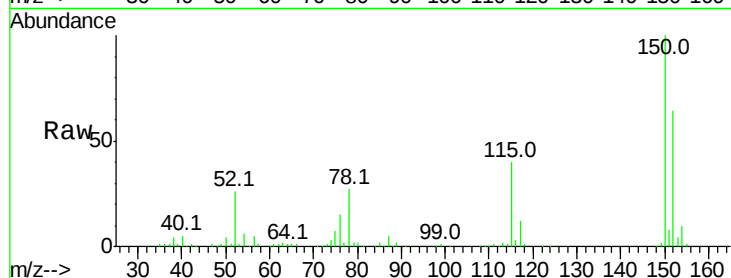
Tot Ion:152 Resp: 158743

Ion Ratio Lower Upper

152 100

150 157.0 124.9 187.3

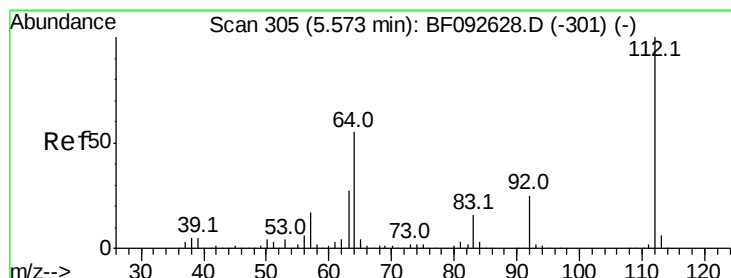
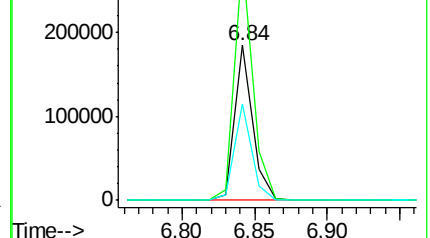
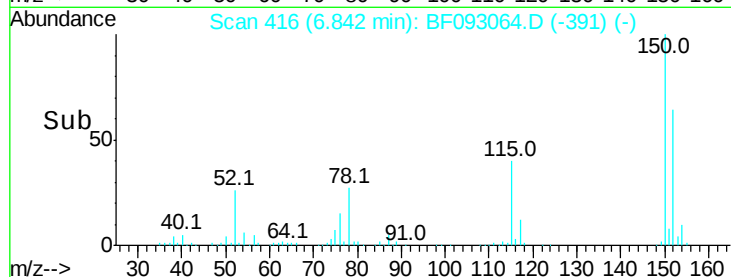
115 62.2 46.0 69.0



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: 44.74 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

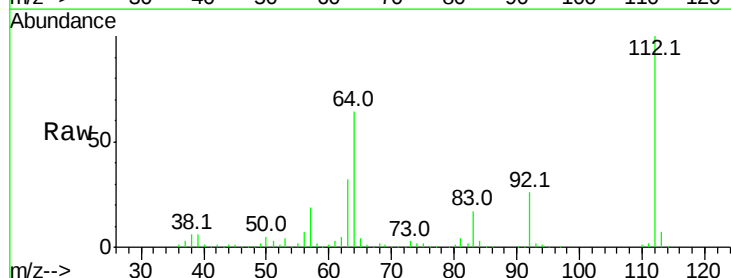
Tgt Ion:112 Resp: 413967

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

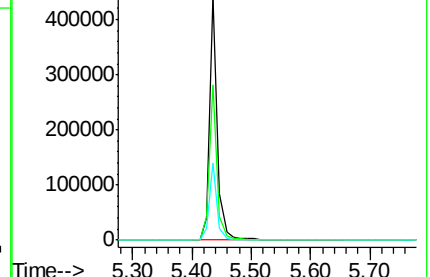
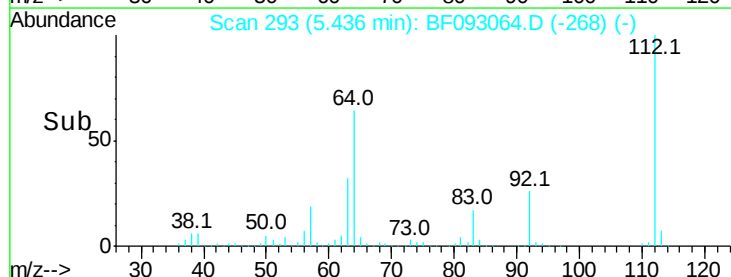
63 31.5 23.8 35.6



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: 27.78 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

Instrument :

BNA_F

ClientSampleId :

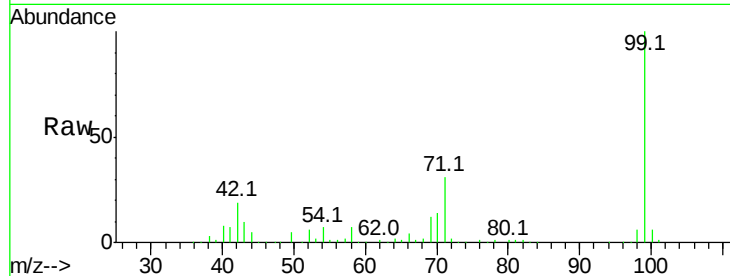
Tot Ion: 99 Resp: 330739

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

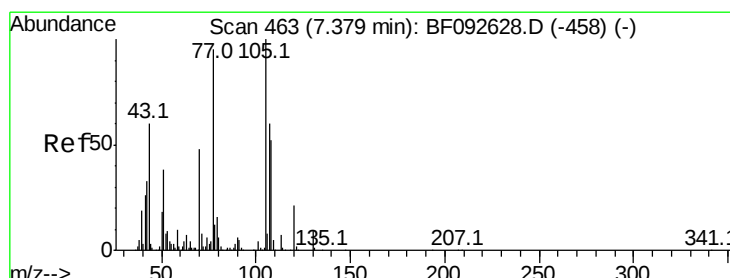
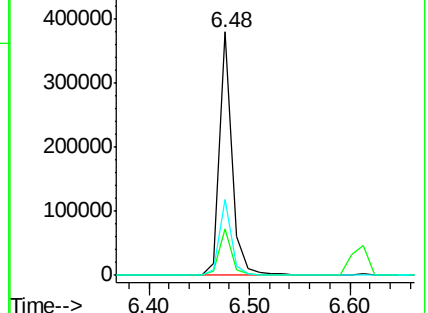
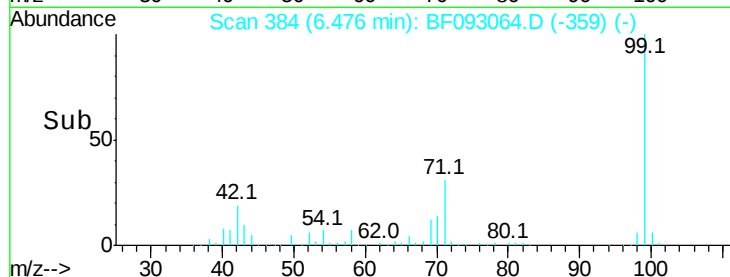
71 31.0 27.5 41.3



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: 16.27 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

Tgt Ion: 70 Resp: 123312

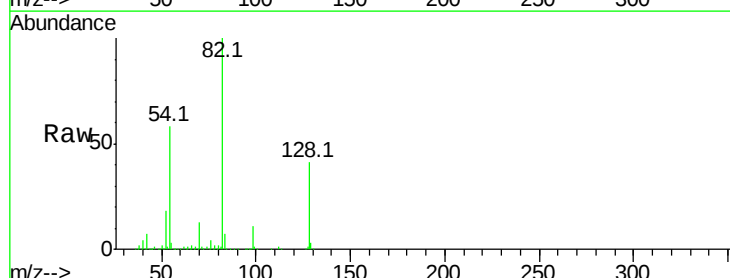
Ion Ratio Lower Upper

70 100

42 51.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

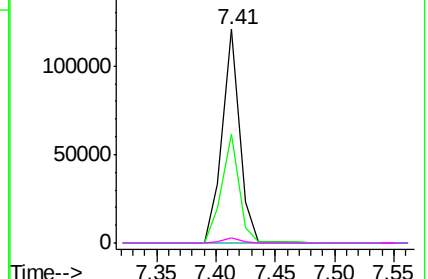
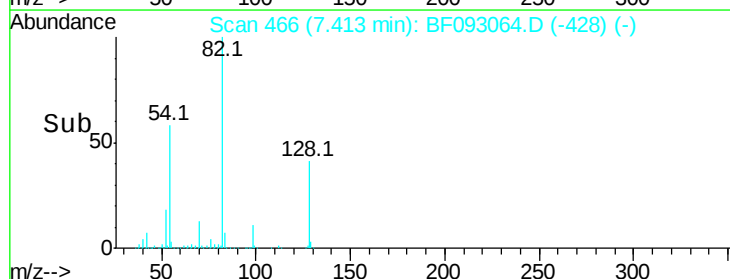


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

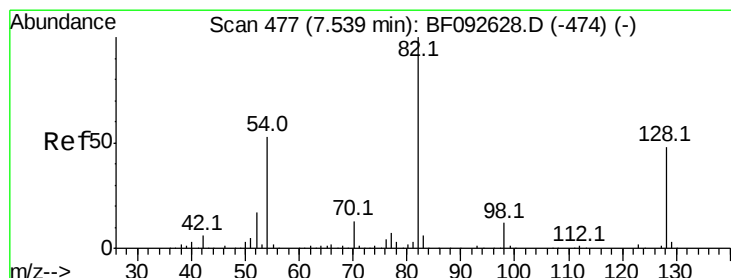
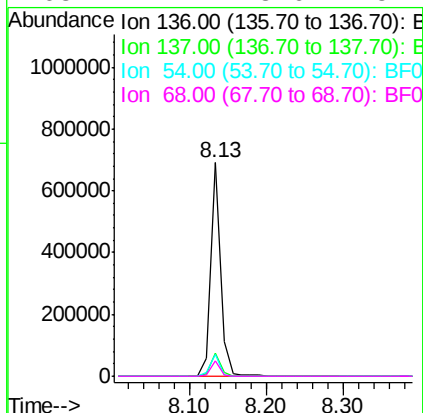
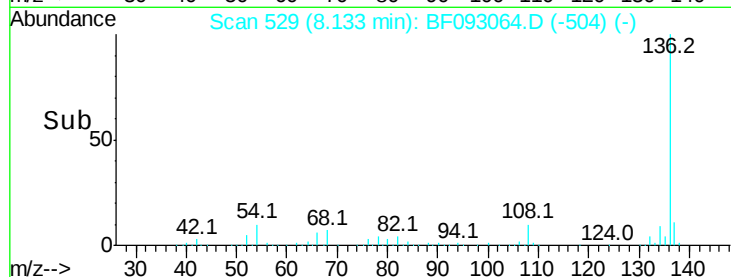
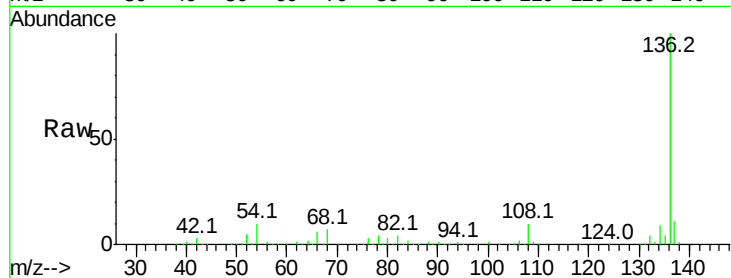




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093064.D
Acq: 21 Feb 2017 9:30

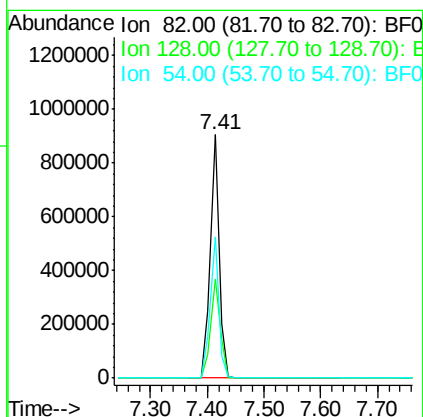
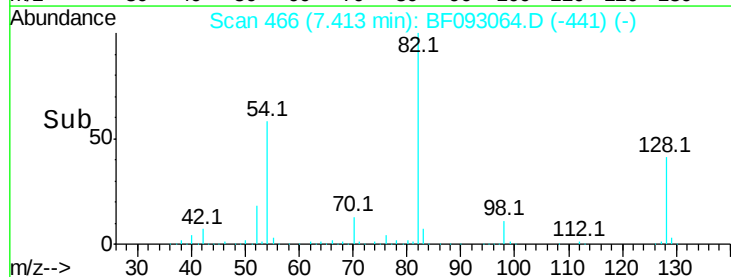
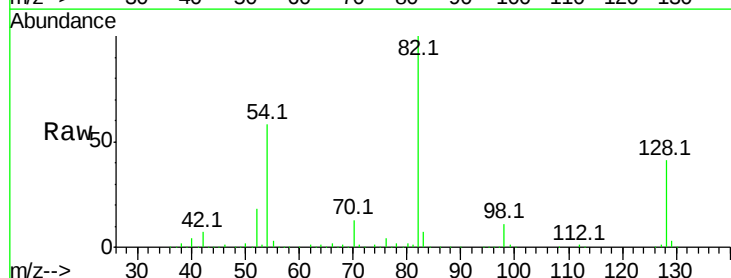
Instrument :
BNA_F
ClientSampleId :

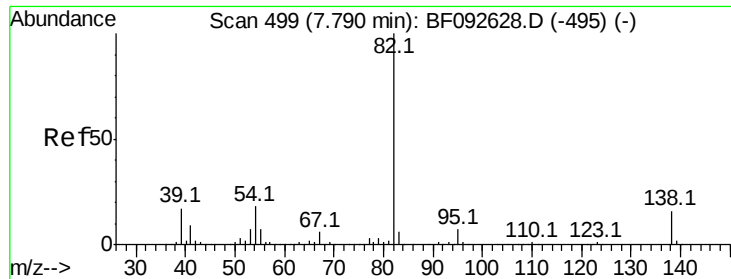
Tot Ion:136	Resp: 606489
Ion Ratio	Lower Upper
136 100	
137 10.9	8.4 12.6
54 10.2	4.5 6.7#
68 7.4	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 87.25 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093064.D
Acq: 21 Feb 2017 9:30

Tgt Ion: 82	Resp: 950190
Ion Ratio	Lower Upper
82 100	
128 40.9	34.6 52.0
54 57.9	39.5 59.3





#25

Isophorone

Concen: 38.37 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

Instrument :

BNA_F

ClientSampled :

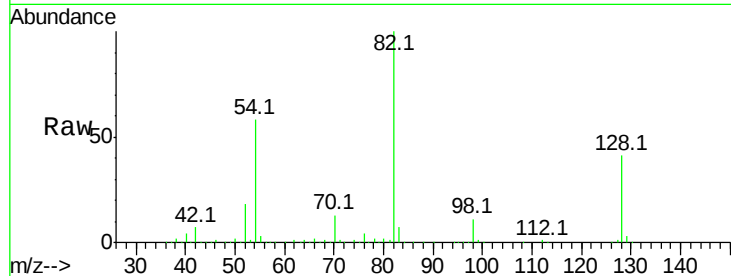
Tot Ion: 82 Resp: 778778

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

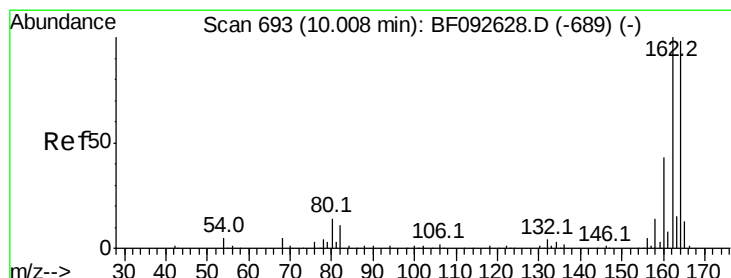
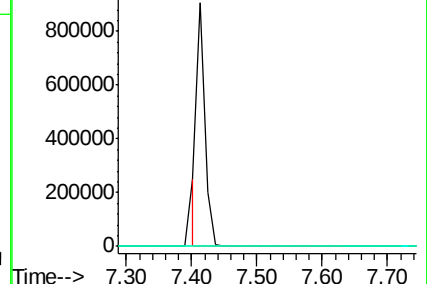
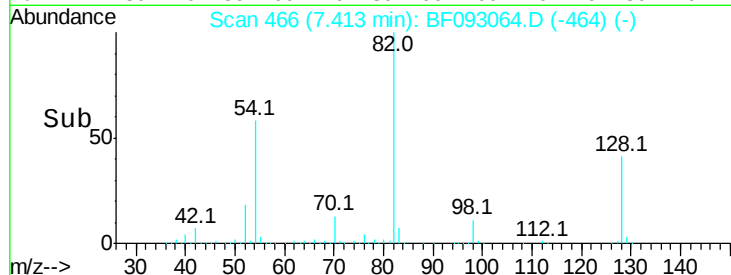
138 0.0 14.6 22.0#



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: BF093064.D

Acq: 21 Feb 2017 9:30

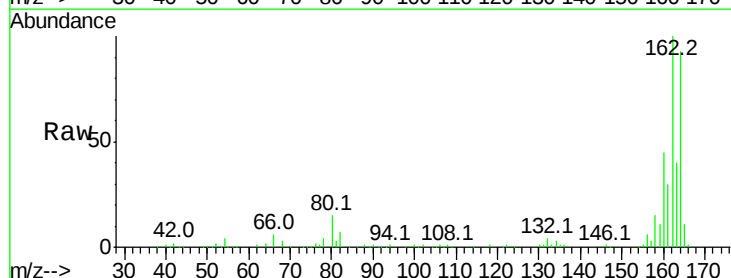
Tgt Ion:164 Resp: 274771

Ion Ratio Lower Upper

164 100

162 107.6 80.2 120.2

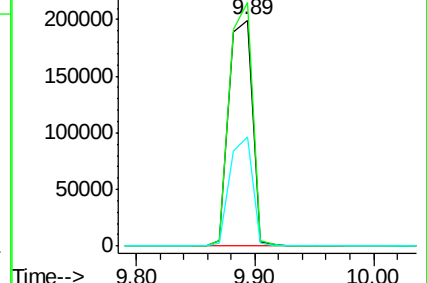
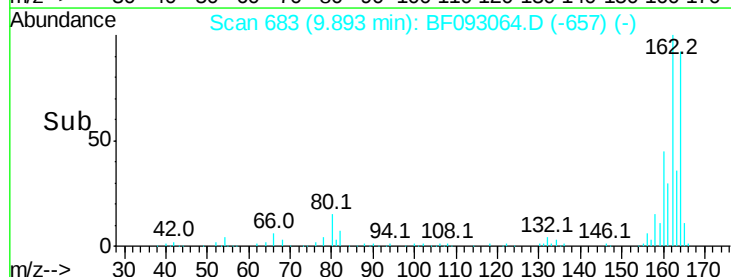
160 48.4 36.9 55.3



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

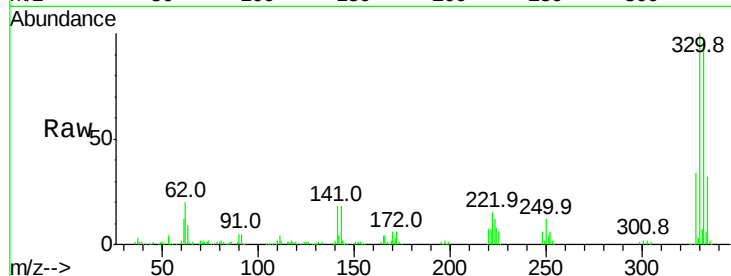




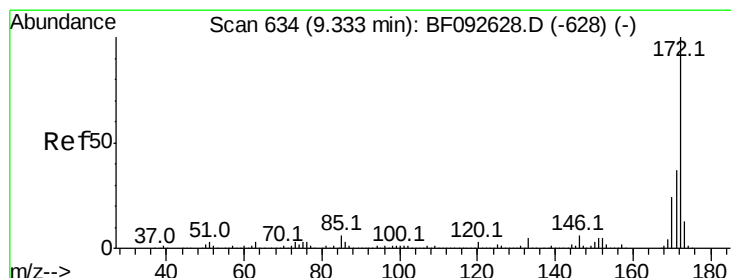
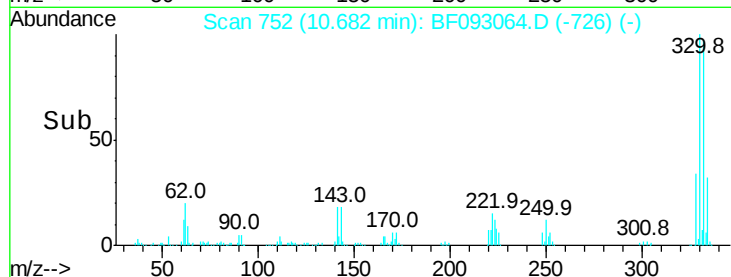
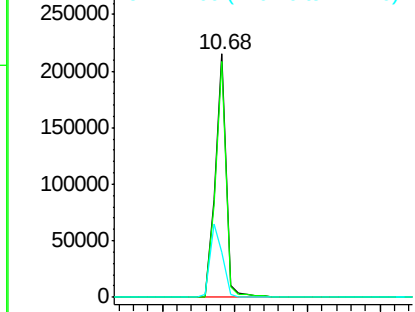
#41
 2,4,6-Tribromophenol
 Concen: 111.83 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093064.D
 Acq: 21 Feb 2017 9:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 222242
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 34.6 34.1 51.1

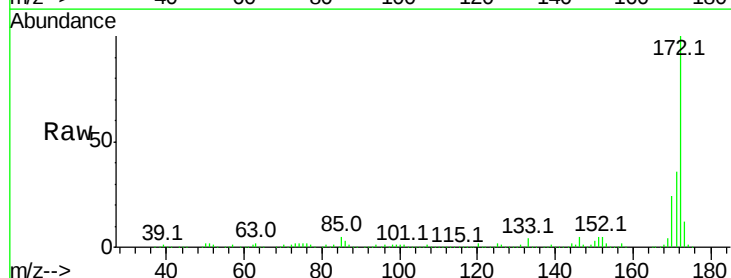


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

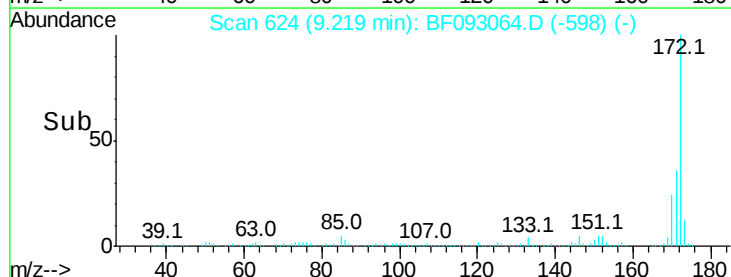
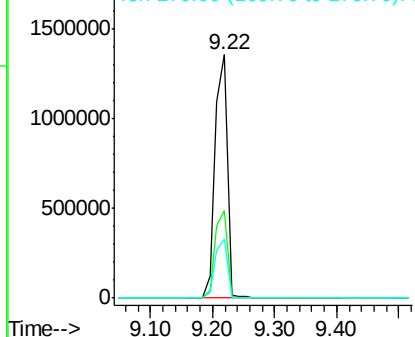


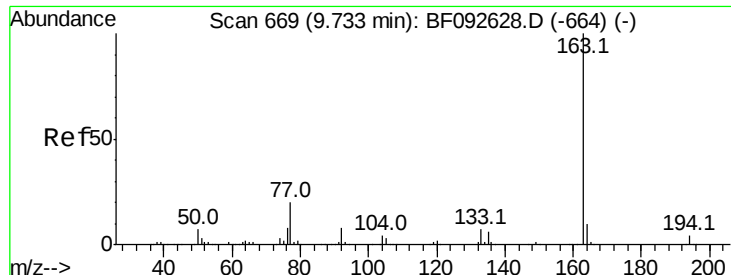
#44
 2-Fluorobiphenyl
 Concen: 119.01 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093064.D
 Acq: 21 Feb 2017 9:30

Tgt Ion:172 Resp: 1804948
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.2 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: 4.40 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

Instrument :

BNA_F

ClientSampleId :

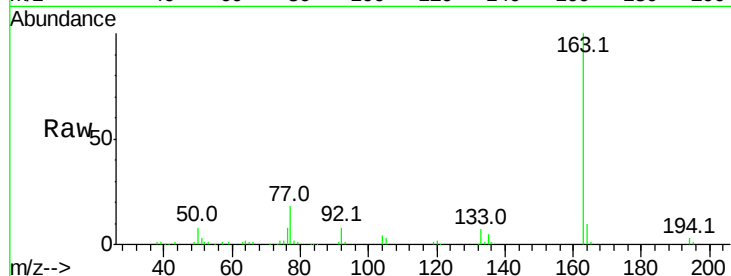
Tot Ion:163 Resp: 81382

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

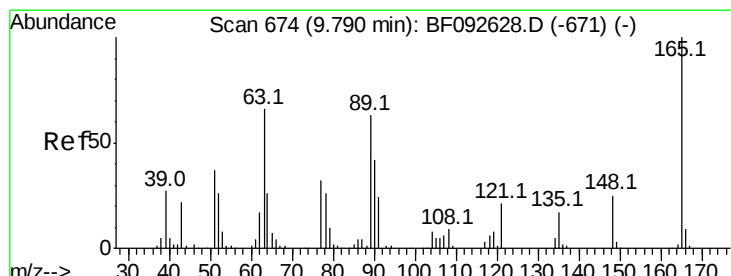
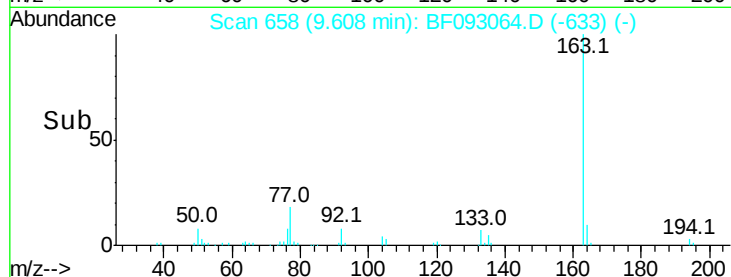
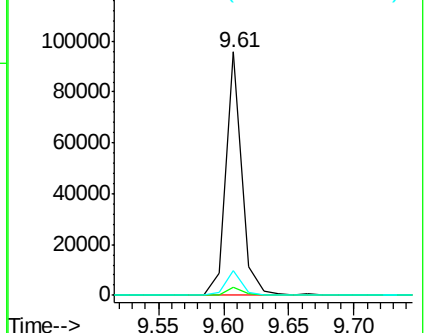
164 10.1 8.0 12.0



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: 8.51 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.19 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

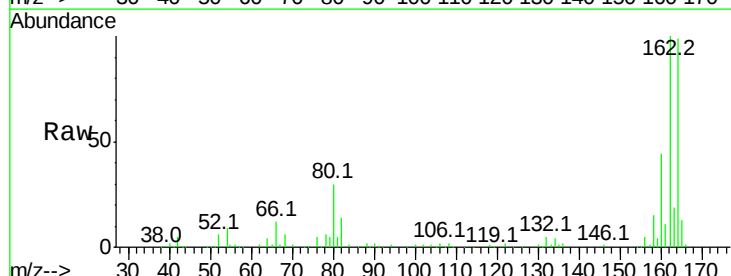
Tgt Ion:165 Resp: 34003

Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.4#

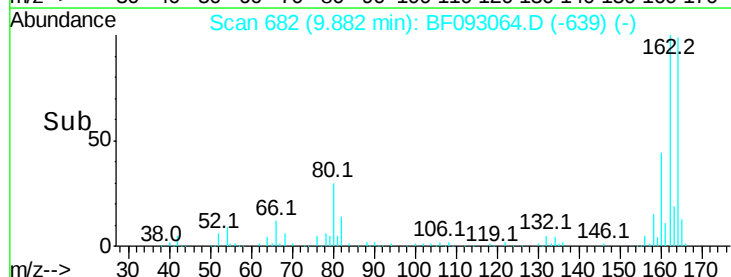
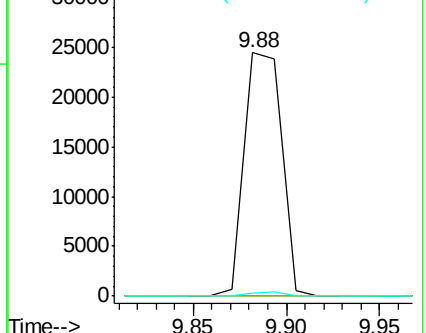
89 1.3 40.2 60.4#

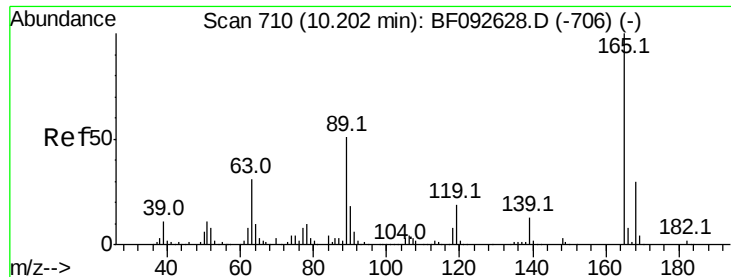


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

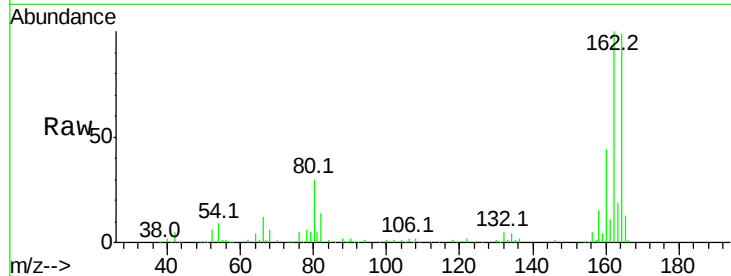




#56
 2,4-Dinitrotoluene
 Concen: 6.39 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093064.D
 Acq: 21 Feb 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

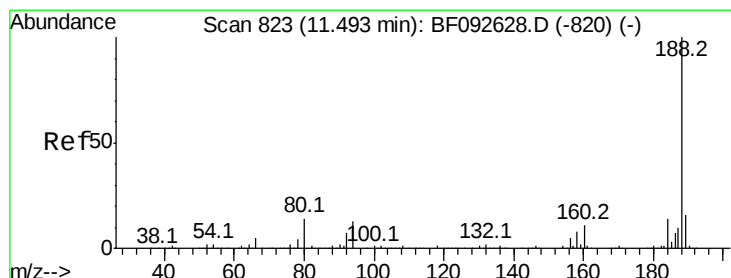
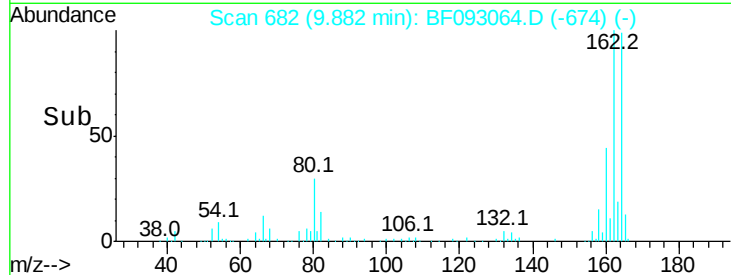
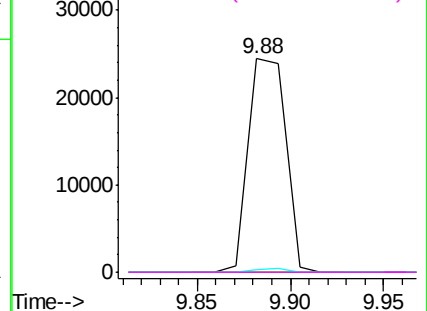


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

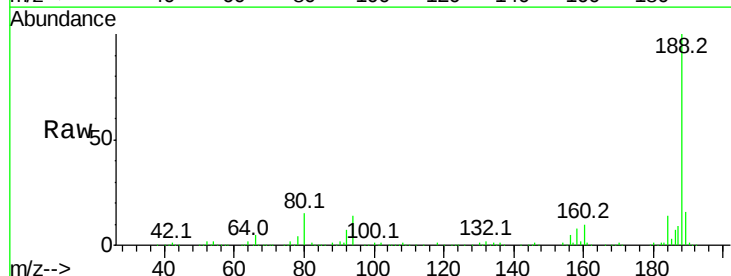
Ion 89.00 (88.70 to 89.70): BF0

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: BF093064.D
 Acq: 21 Feb 2017 9:30

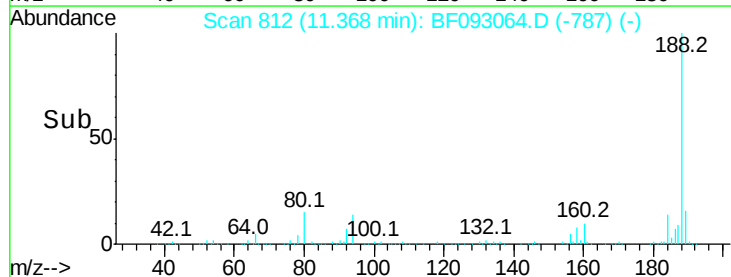
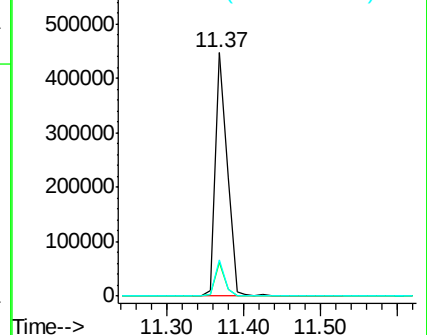
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.7	10.0	15.0
80	15.0	11.2	16.8

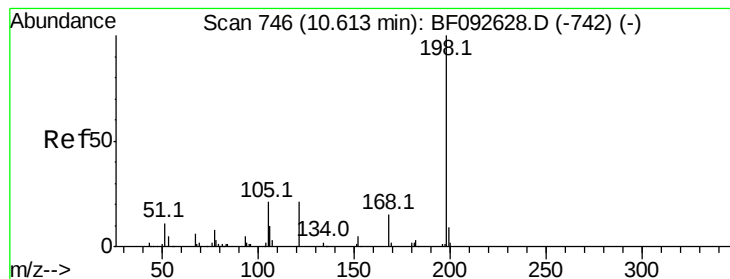


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

Instrument :

BNA_F

ClientSampleId :

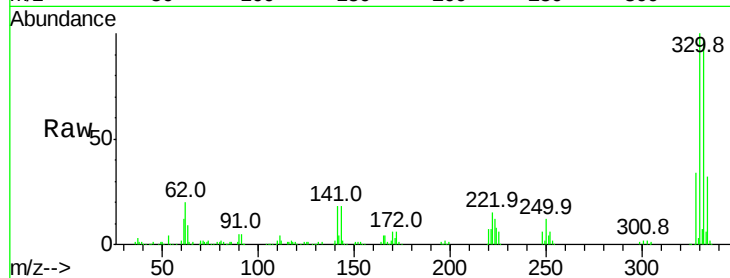
Tot Ion:198 Resp: 352

Ion Ratio Lower Upper

198 100

51 103.7 6.7 46.7#

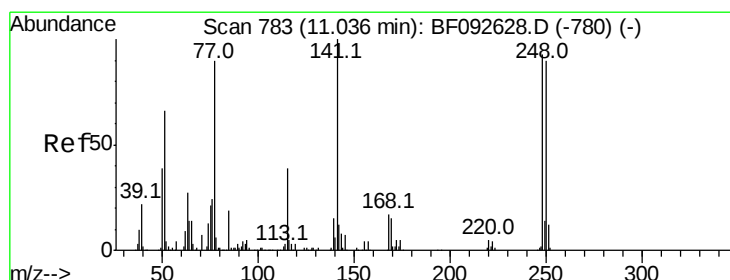
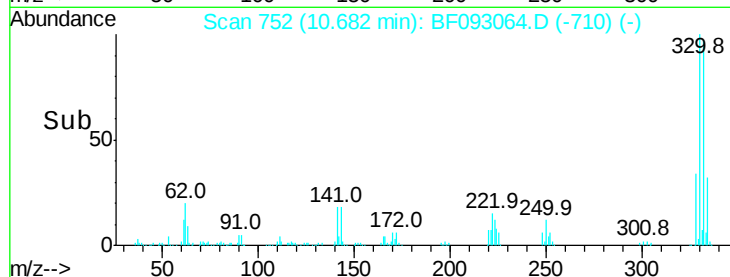
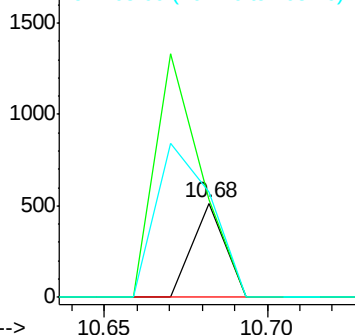
105 111.7 16.6 56.6#



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: 3.05 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

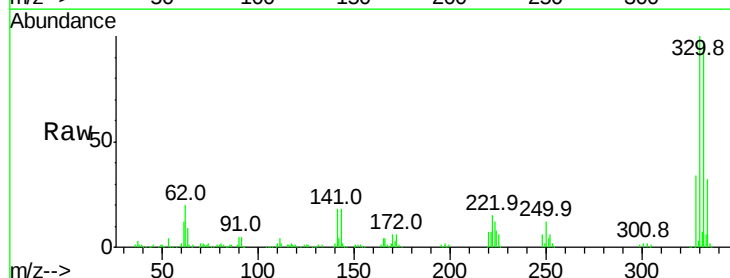
Tgt Ion:248 Resp: 15173

Ion Ratio Lower Upper

248 100

250 204.8 76.9 115.3#

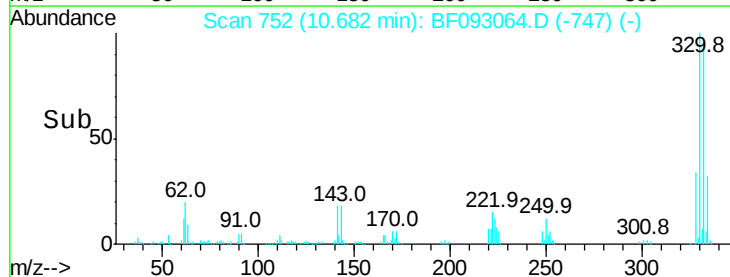
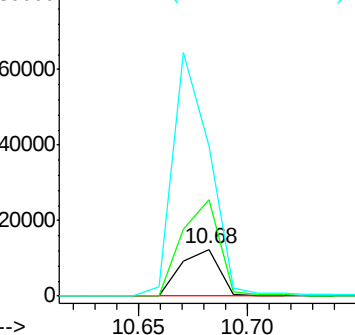
141 320.0 68.2 102.4#

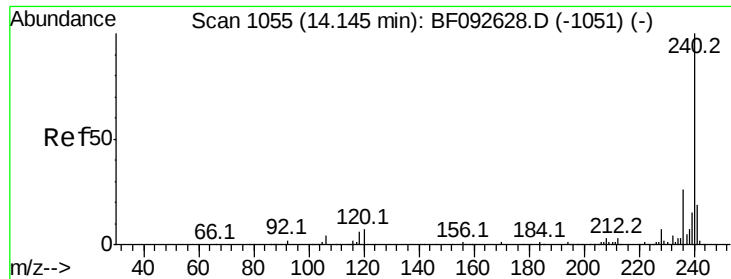


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF093064.D

Acq: 21 Feb 2017 9:30

Instrument :

BNA_F

ClientSampleId :

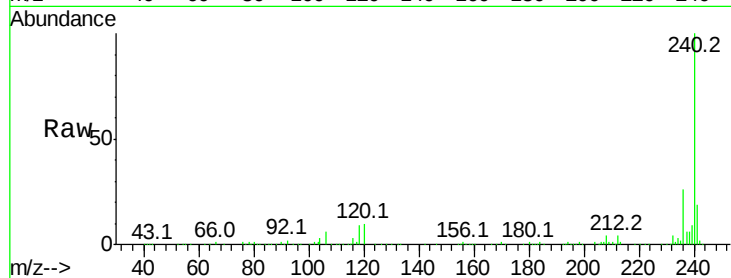
Tot Ion:240 Resp: 324587

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

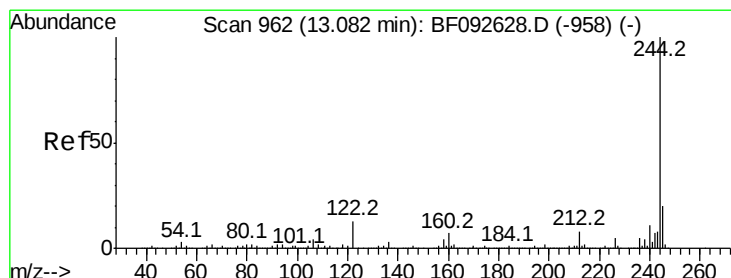
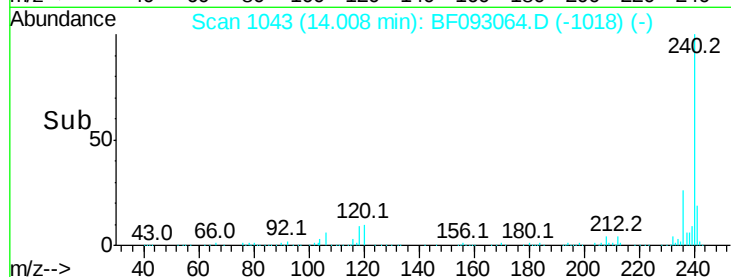
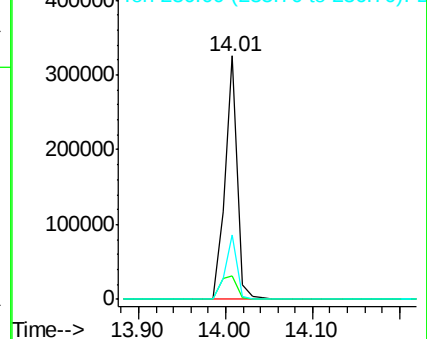
236 26.4 20.9 31.3



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: 86.07 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093064.D

Acq: 21 Feb 2017 9:30

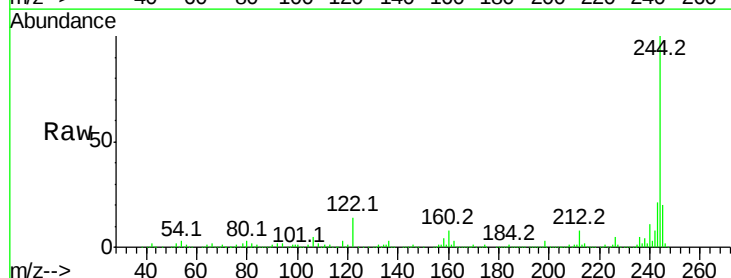
Tgt Ion:244 Resp: 1189029

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

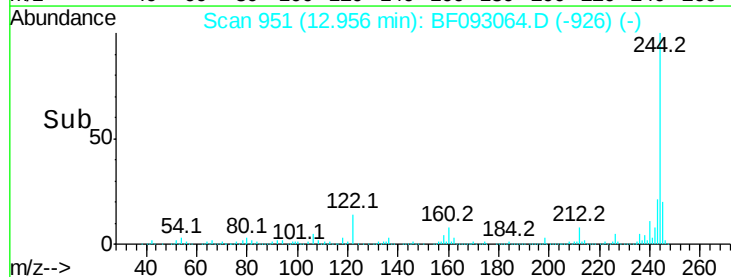
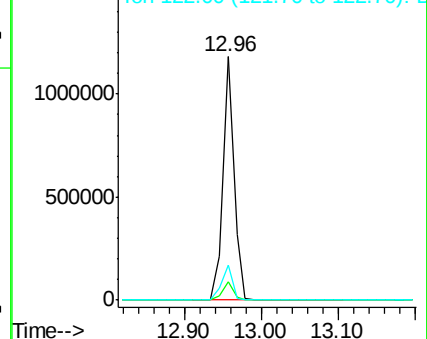
122 14.2 11.4 17.2

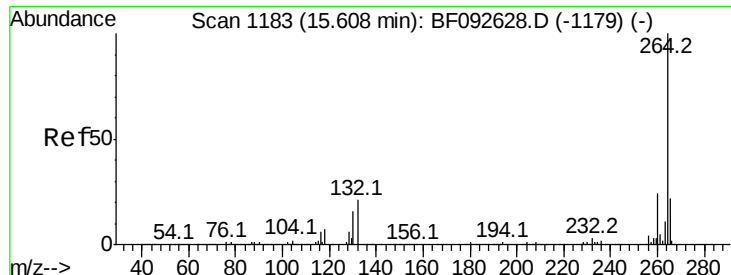


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

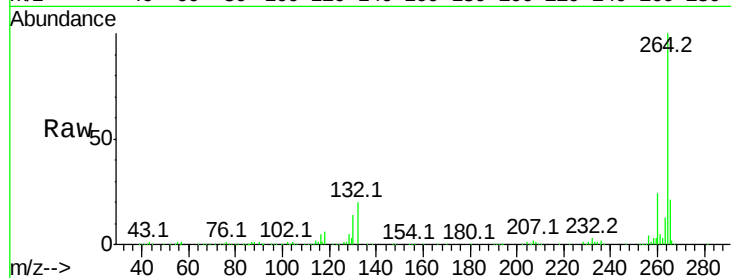




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093064.D
 Acq: 21 Feb 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	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

