

Data Path : Z:\HPCHEM1\BNA F\Data\BF022017\
 Data File : BF093067.D
 Acq On : 21 Feb 2017 10:52
 Operator : SJ/MA
 Sample : I1904-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:30:42 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

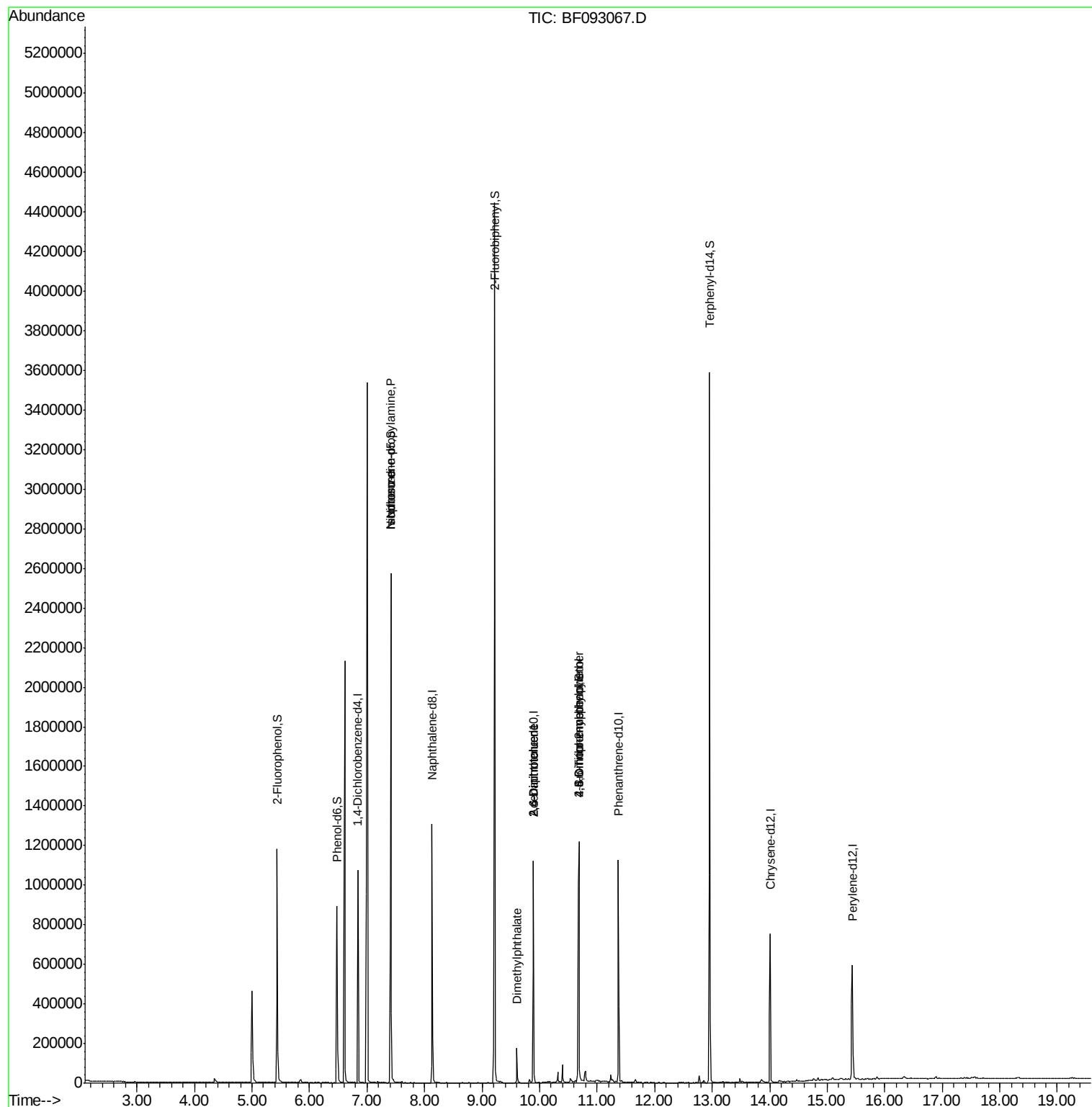
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	150387	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	551398	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	258748	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	435495	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	297918	20.00	ng	-0.01
86) Perylene-d12	15.44	264	278099	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	356092	40.62	ng	-0.01
7) Phenol-d6	6.48	99	287382	25.48	ng	-0.01
23) Nitrobenzene-d5	7.41	82	855447	86.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	201324	107.58	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1658767	116.14	ng	0.00
78) Terphenyl-d14	12.96	244	1106860	87.30	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	112054	15.61	ng	# 82
25) Isophorone	7.41	82	686745	37.22	ng	# 65
49) Dimethylphthalate	9.61	163	69888	4.01	ng	98
50) 2,6-Dinitrotoluene	9.89	165	32596	8.66	ng	# 31
56) 2,4-Dinitrotoluene	9.89	165	32596	6.50	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	287	2.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	14197	3.12	ng	# 1

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

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QLast Update : Fri Feb 17 17:31:55 2017
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: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :

BNA_F

ClientSampleId :

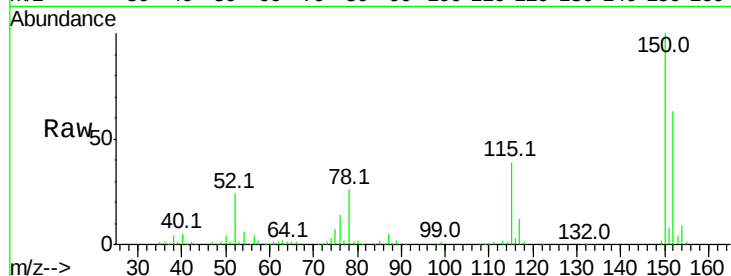
Tot Ion:152 Resp: 150387

Ion Ratio Lower Upper

152 100

150 157.8 124.9 187.3

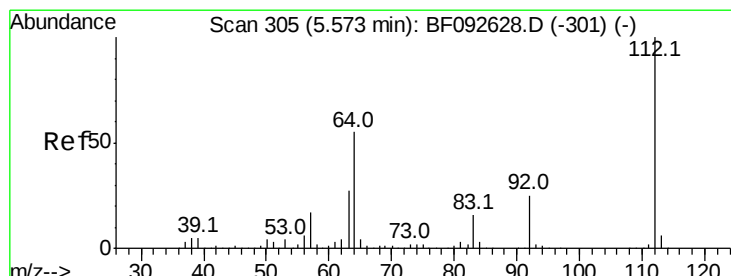
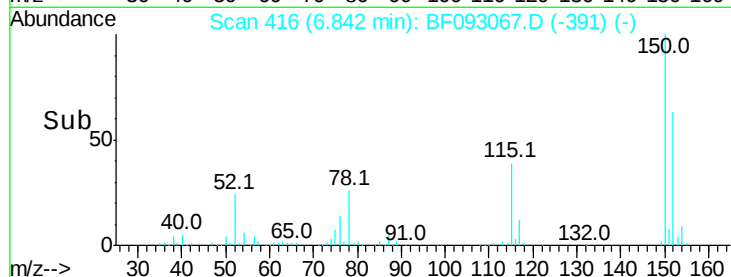
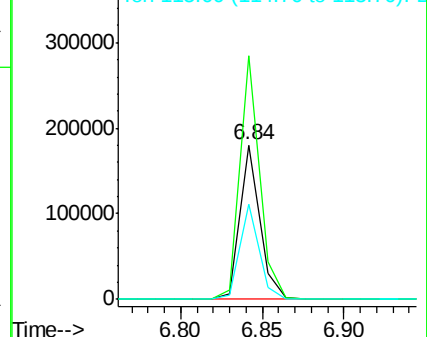
115 61.5 46.0 69.0



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: 40.62 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

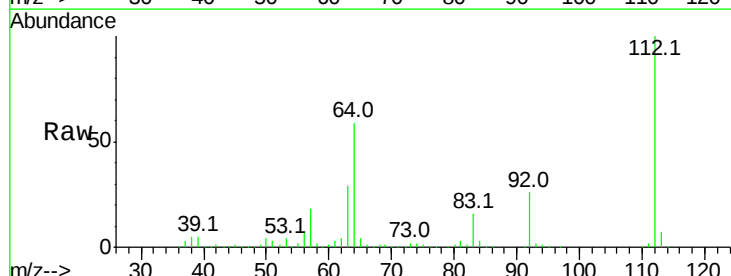
Tgt Ion:112 Resp: 356092

Ion Ratio Lower Upper

112 100

64 59.1 46.1 69.1

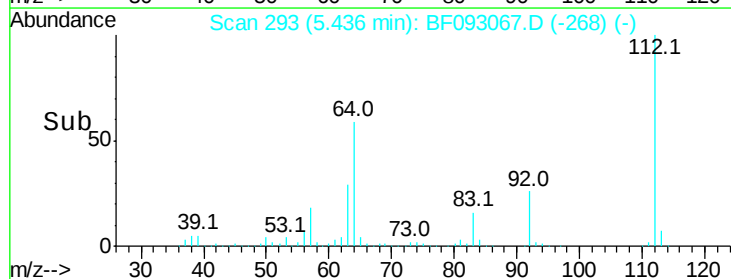
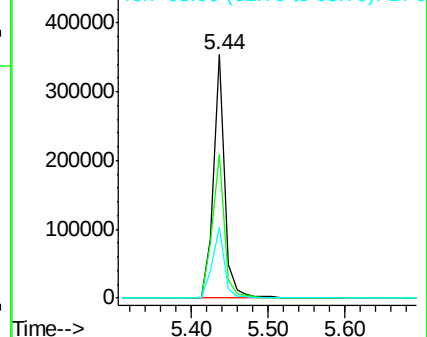
63 29.1 23.8 35.6

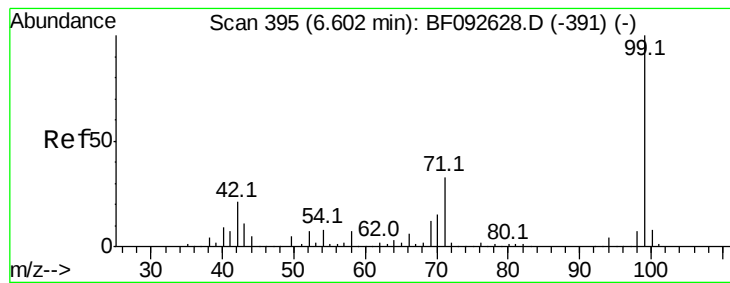


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.48 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :

BNA_F

ClientSampleId :

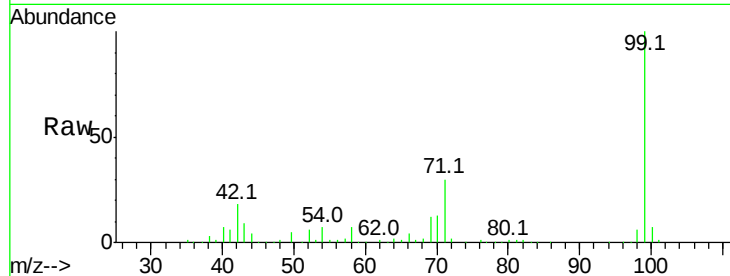
Tot Ion: 99 Resp: 287382

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

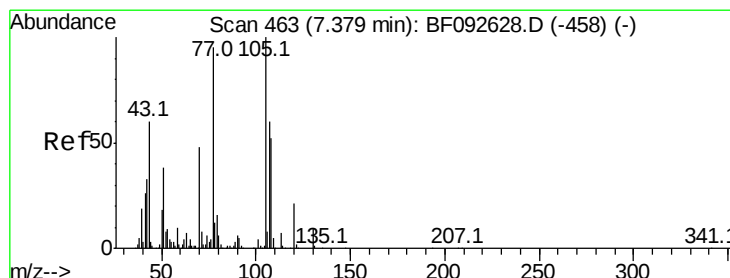
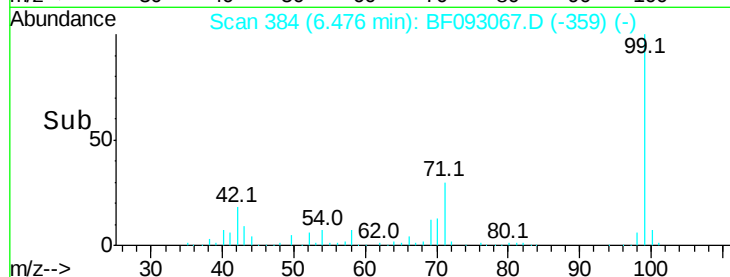
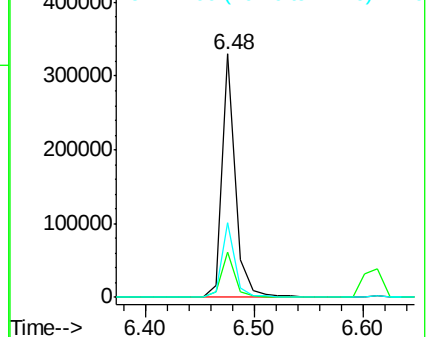
71 30.4 27.5 41.3



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: 15.61 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Tgt Ion: 70 Resp: 112054

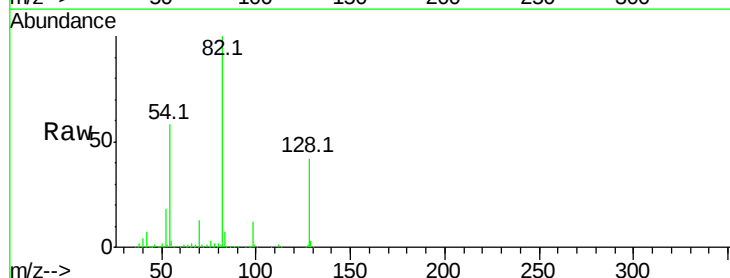
Ion Ratio Lower Upper

70 100

42 53.1 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

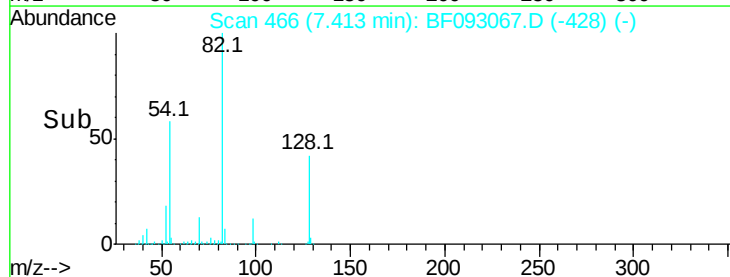
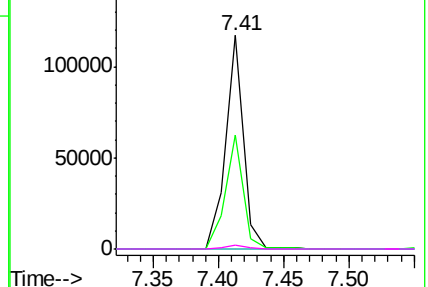


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

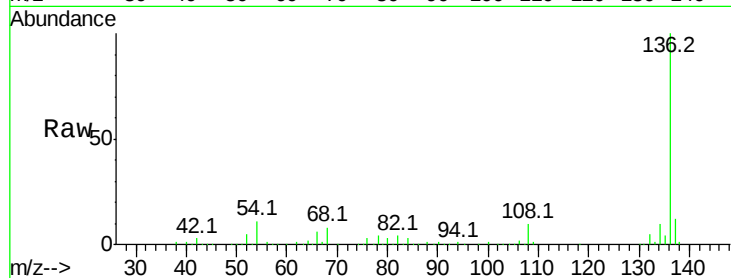




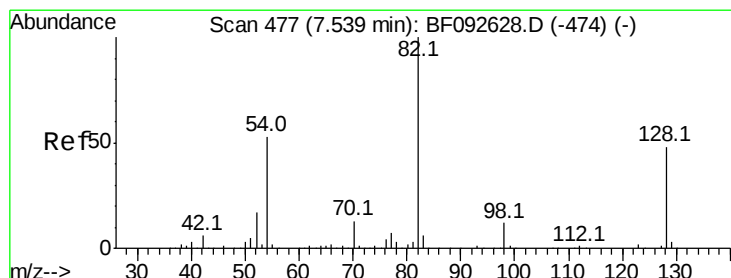
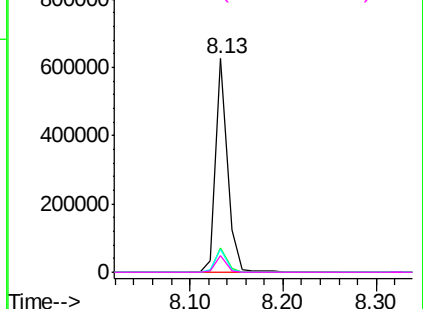
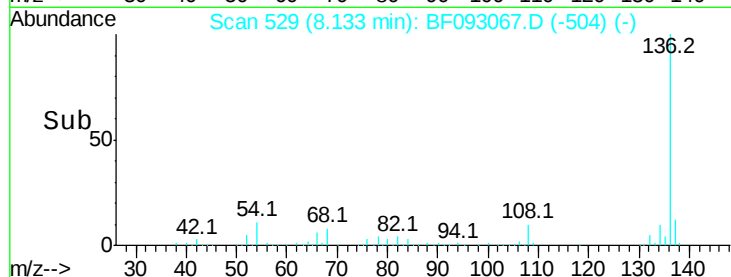
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093067.D
Acq: 21 Feb 2017 10:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	551398
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	10.8	4.5	6.7#
68	7.9	3.6	5.4#

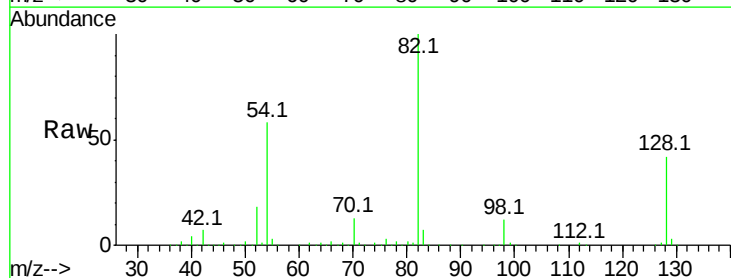


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

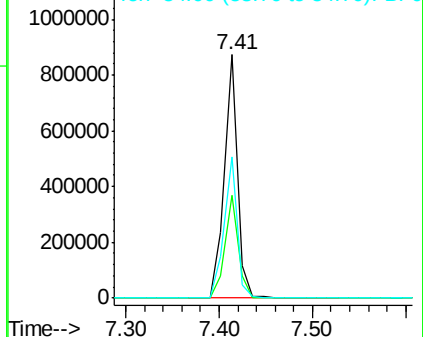
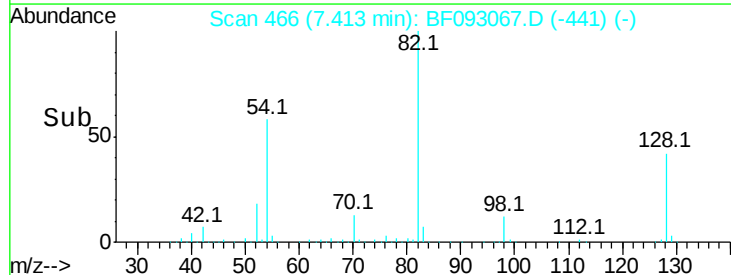


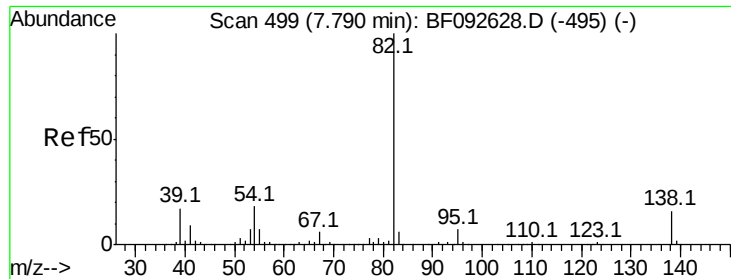
#23
Nitrobenzene-d5
Concen: 86.39 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093067.D
Acq: 21 Feb 2017 10:52

Tgt Ion:	82	Resp:	855447
Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.6	52.0
54	58.1	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: 37.22 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :

BNA_F

ClientSampled :

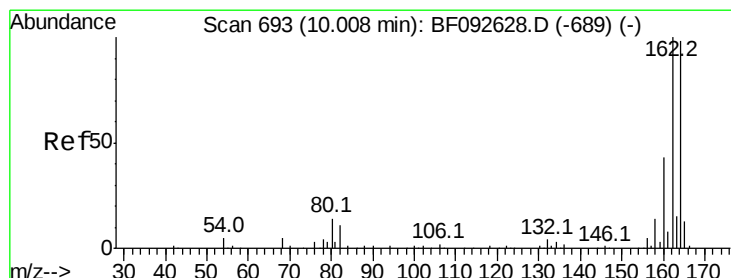
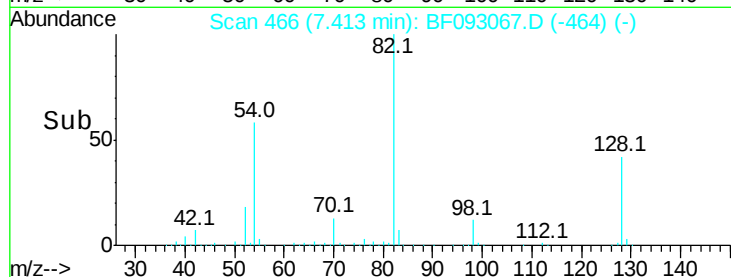
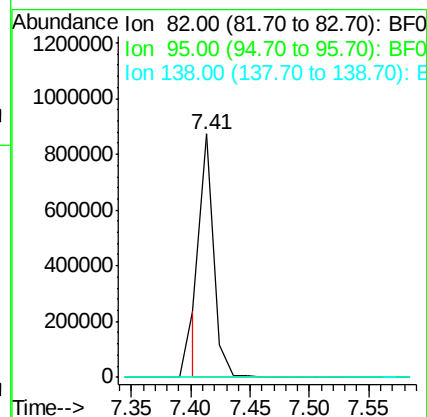
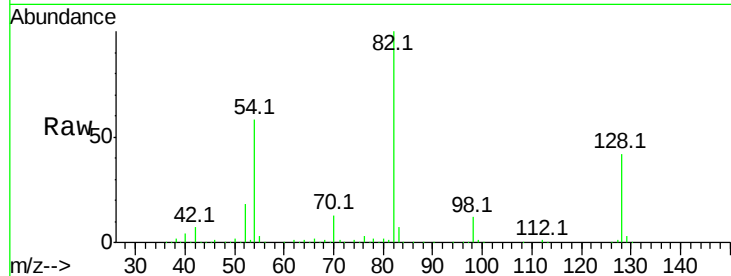
Tot Ion: 82 Resp: 686745

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: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

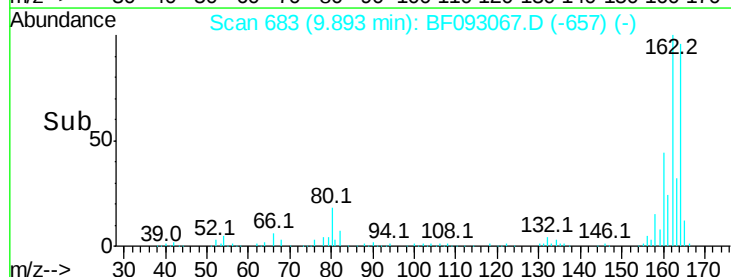
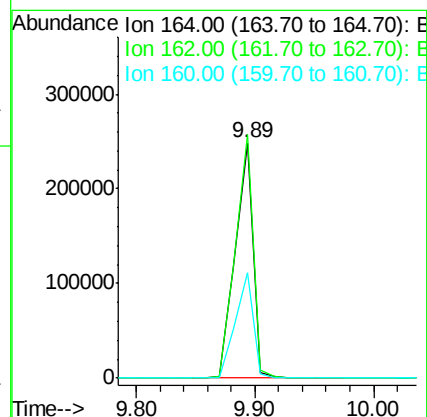
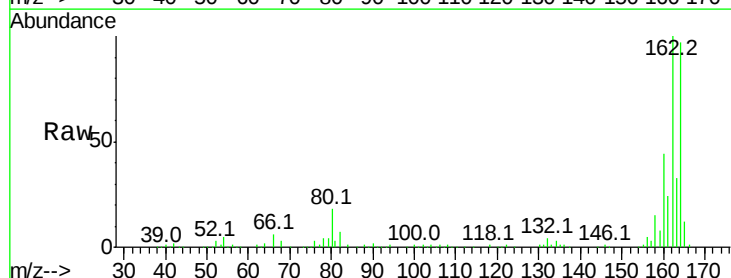
Tgt Ion:164 Resp: 258748

Ion Ratio Lower Upper

164 100

162 103.6 80.2 120.2

160 45.1 36.9 55.3

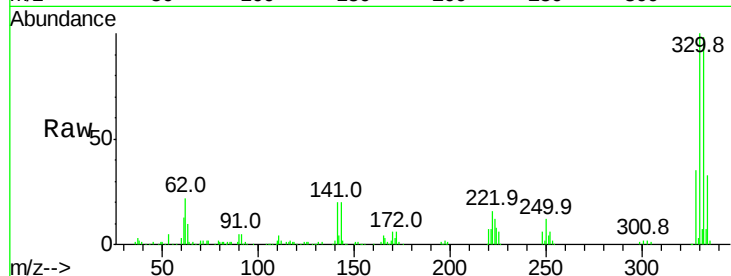




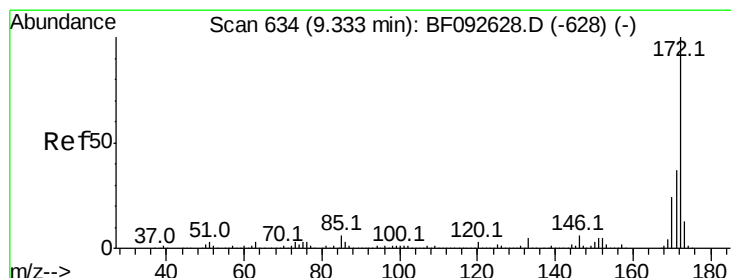
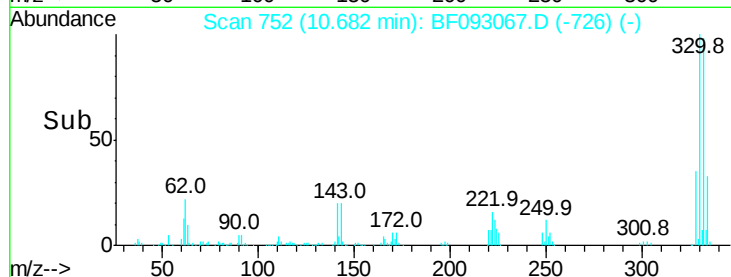
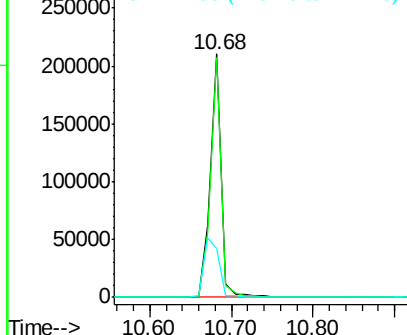
#41
 2,4,6-Tribromophenol
 Concen: 107.58 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093067.D
 Acq: 21 Feb 2017 10:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 201324
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 34.1 34.1 51.1#

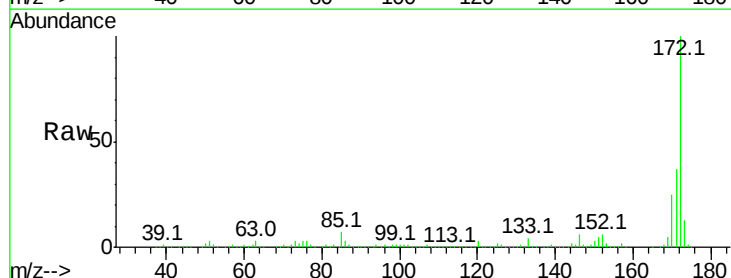


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

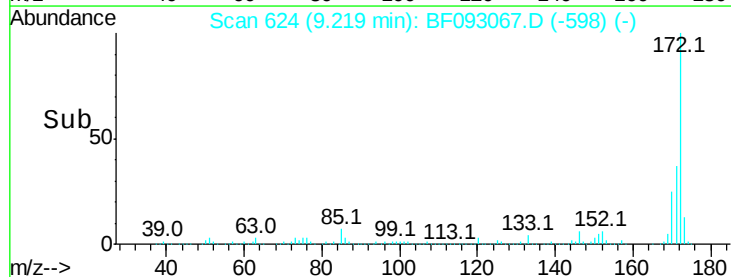
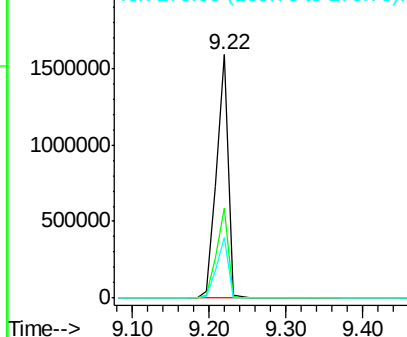


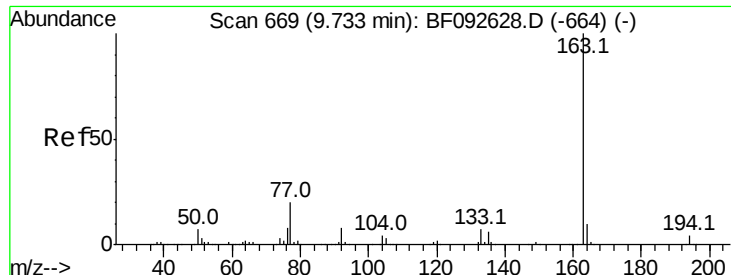
#44
 2-Fluorobiphenyl
 Concen: 116.14 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093067.D
 Acq: 21 Feb 2017 10:52

Tgt Ion:172 Resp: 1658767
 Ion Ratio Lower Upper
 172 100
 171 36.9 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: 4.01 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :

BNA_F

ClientSampled :

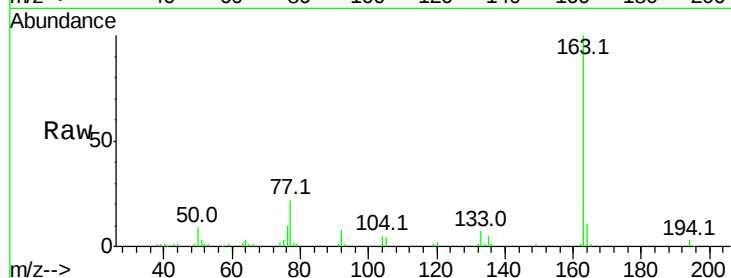
Tot Ion:163 Resp: 69888

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

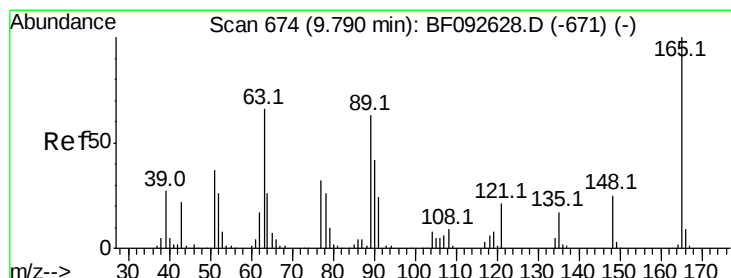
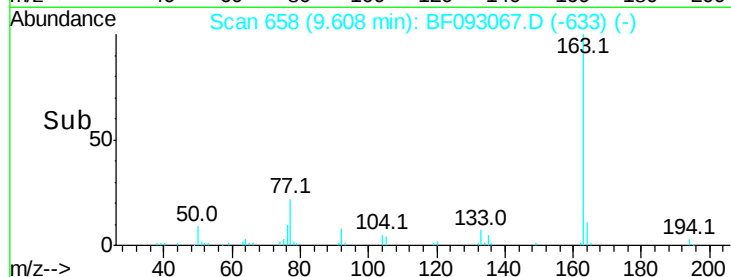
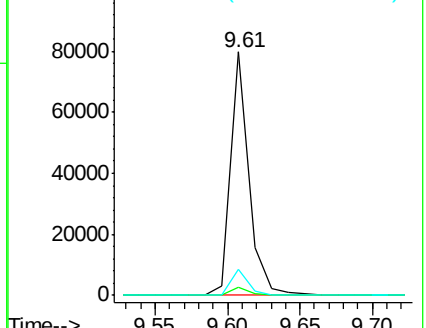
164 10.8 8.0 12.0



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: 8.66 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.21 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

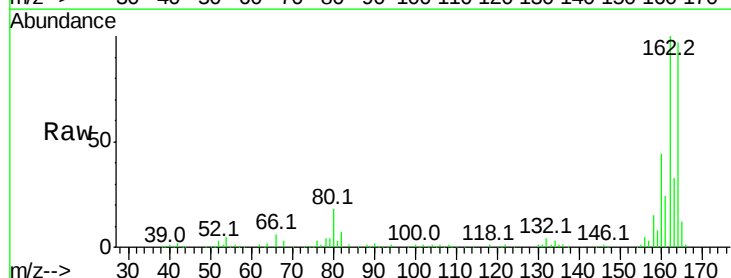
Tgt Ion:165 Resp: 32596

Ion Ratio Lower Upper

165 100

63 1.3 36.2 54.4#

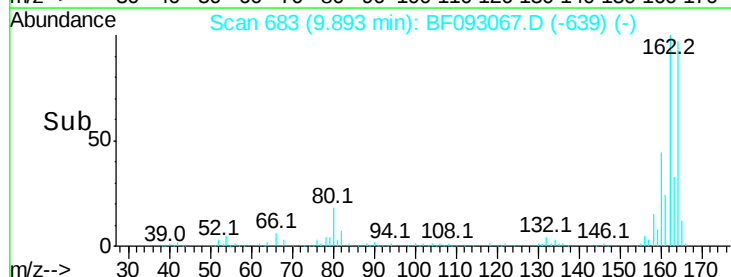
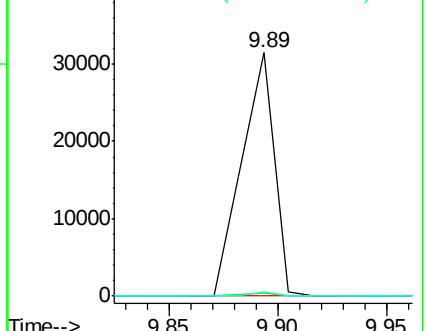
89 2.0 40.2 60.4#

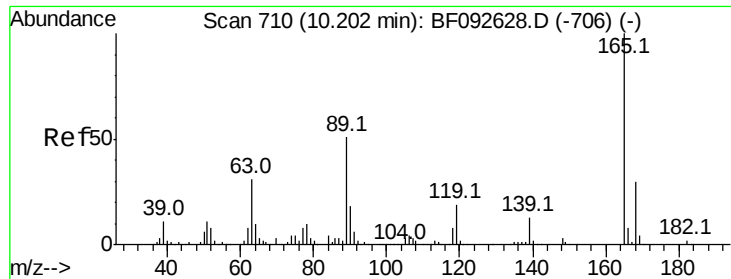


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.50 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.19 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 32596

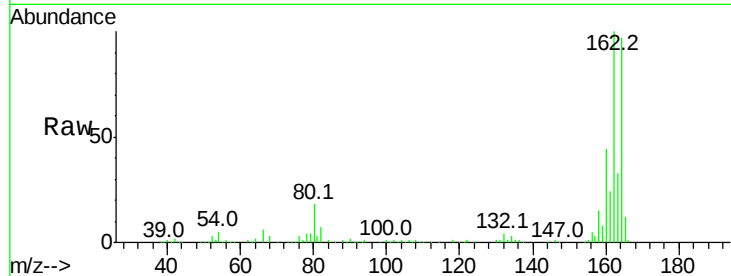
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 2.0 62.5 93.7#

182 0.0 1.8 2.8#

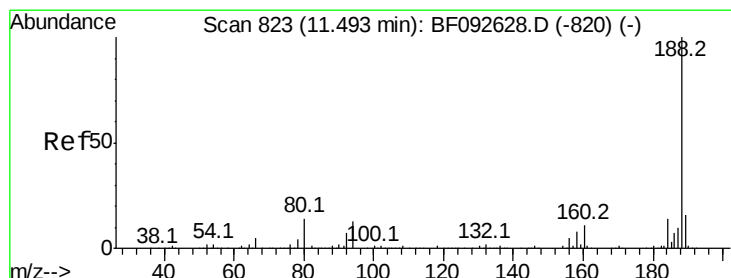
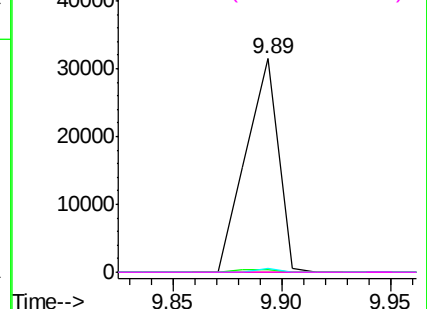
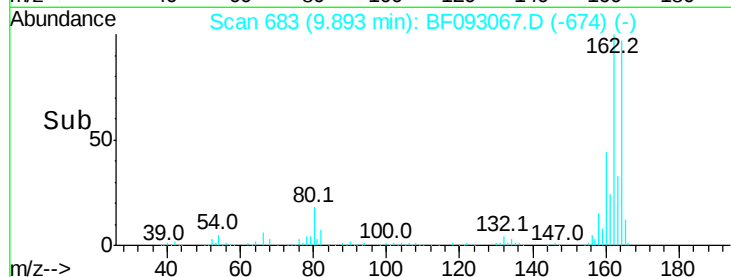


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF093067.D

Acq: 21 Feb 2017 10:52

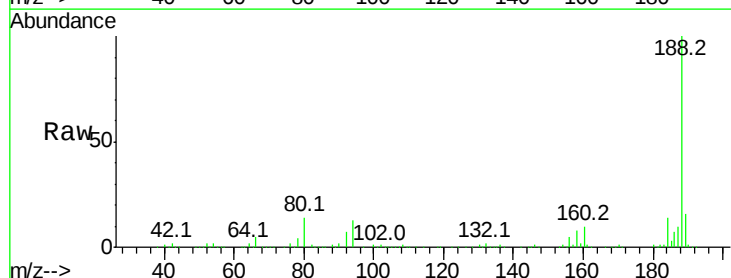
Tgt Ion:188 Resp: 435495

Ion Ratio Lower Upper

188 100

94 13.3 10.0 15.0

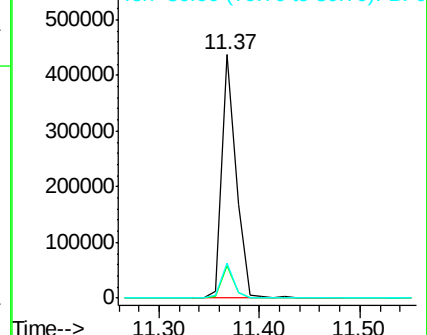
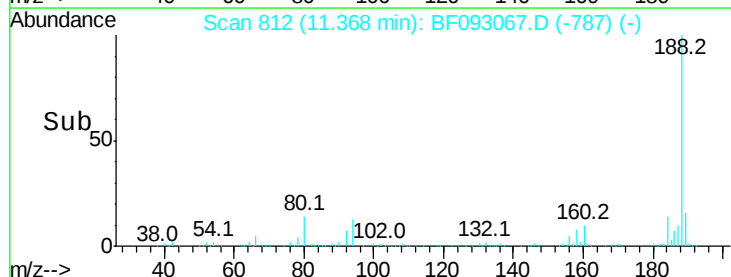
80 14.4 11.2 16.8

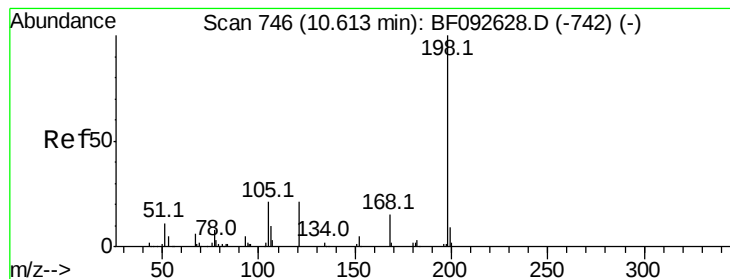


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.77 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.18 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :

BNA_F

ClientSampled :

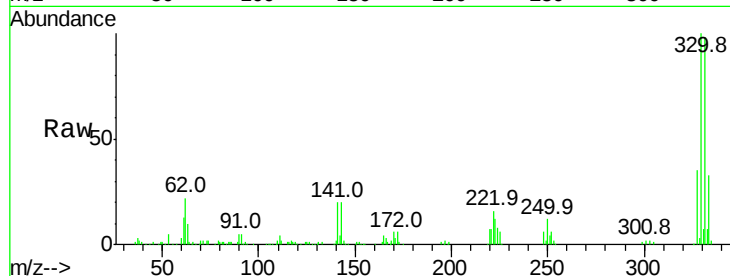
Tot Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 109.3 6.7 46.7#

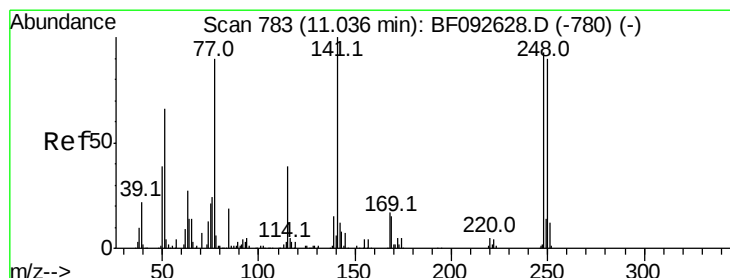
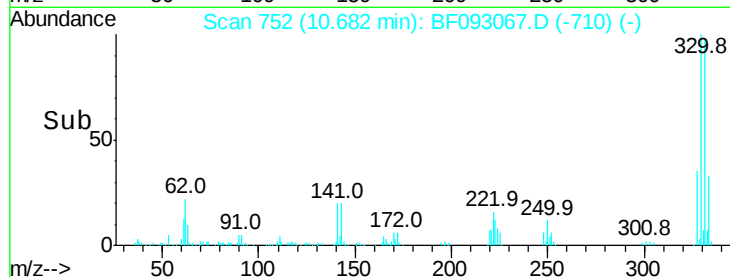
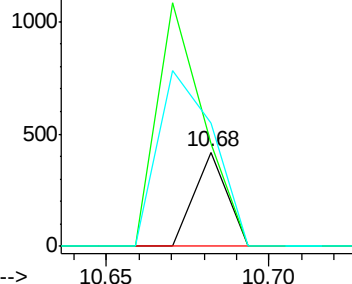
105 131.5 16.6 56.6#



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: 3.12 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.24 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

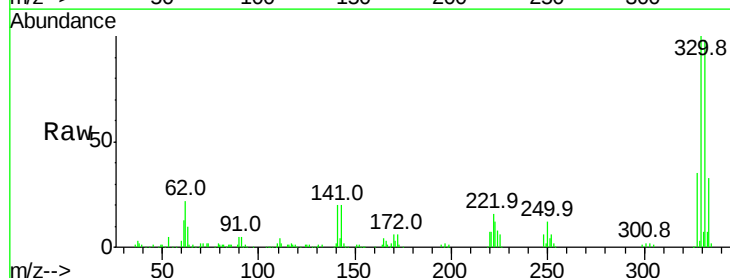
Tgt Ion:248 Resp: 14197

Ion Ratio Lower Upper

248 100

250 190.3 76.9 115.3#

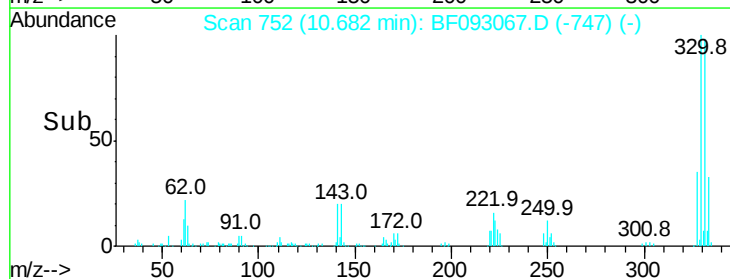
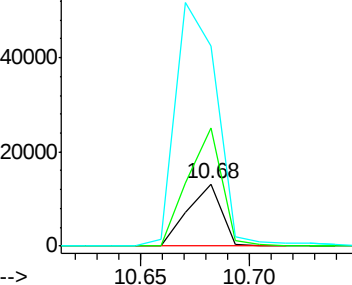
141 322.7 68.2 102.4#

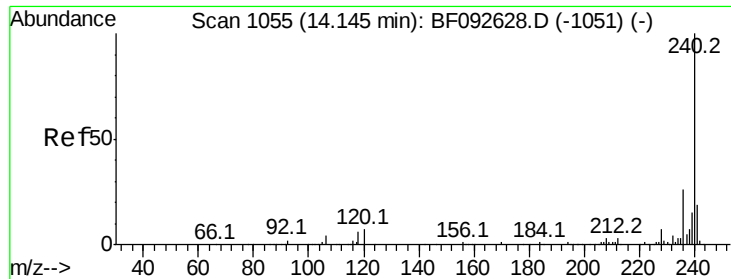


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

Instrument :

BNA_F

ClientSampleId :

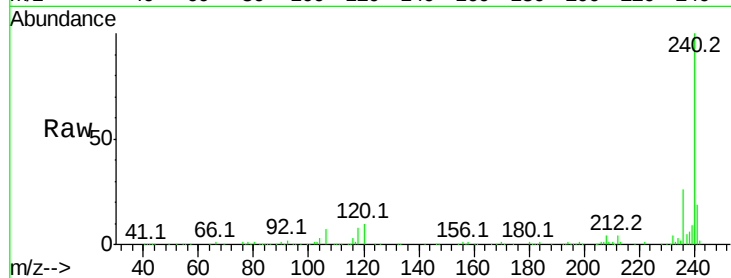
Tot Ion:240 Resp: 297918

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

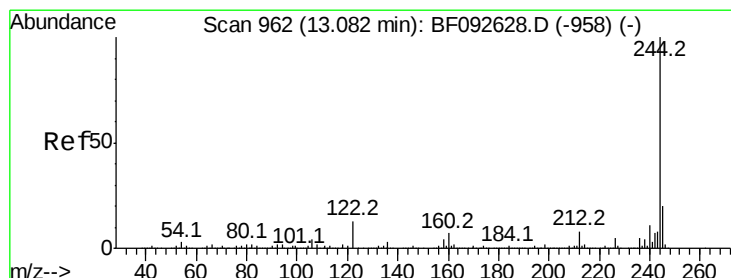
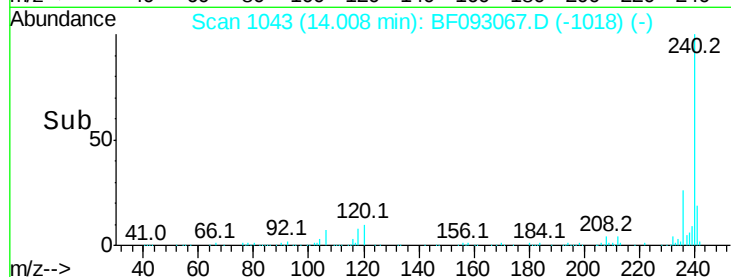
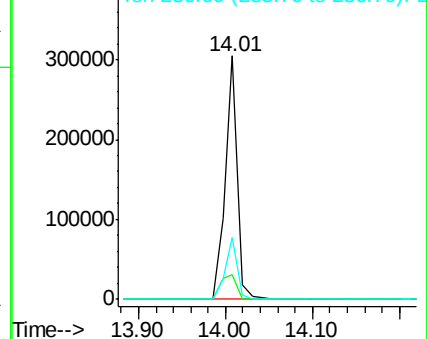
236 25.6 20.9 31.3



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: 87.30 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093067.D

Acq: 21 Feb 2017 10:52

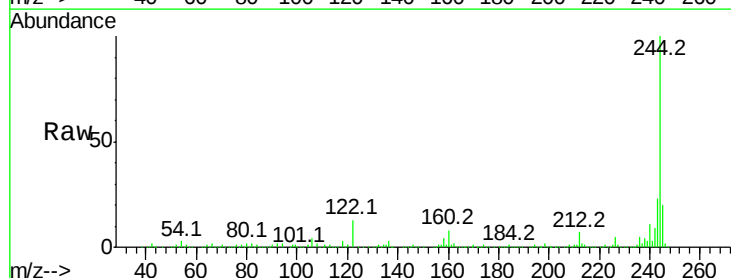
Tgt Ion:244 Resp: 1106860

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

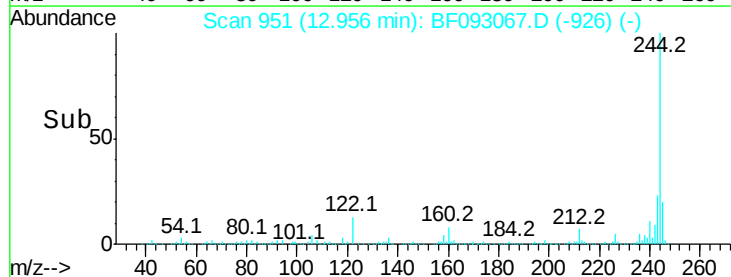
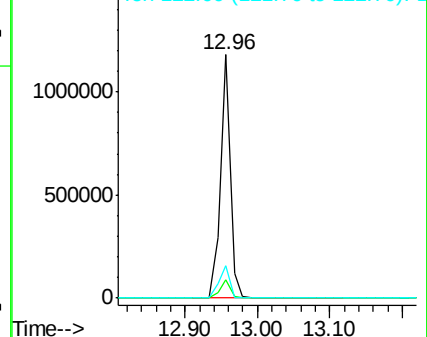
122 13.2 11.4 17.2

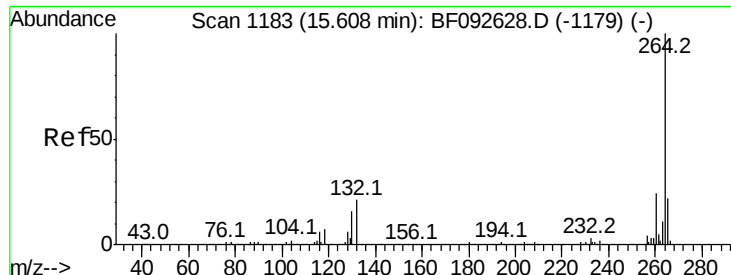


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

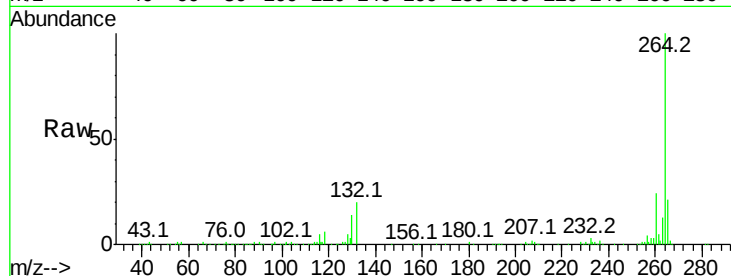




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093067.D
Acq: 21 Feb 2017 10:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	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

