

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092510.D
 Acq On : 26 Jan 2017 8:01
 Operator : SJ/MA
 Sample : PB96282TB
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 13:26:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

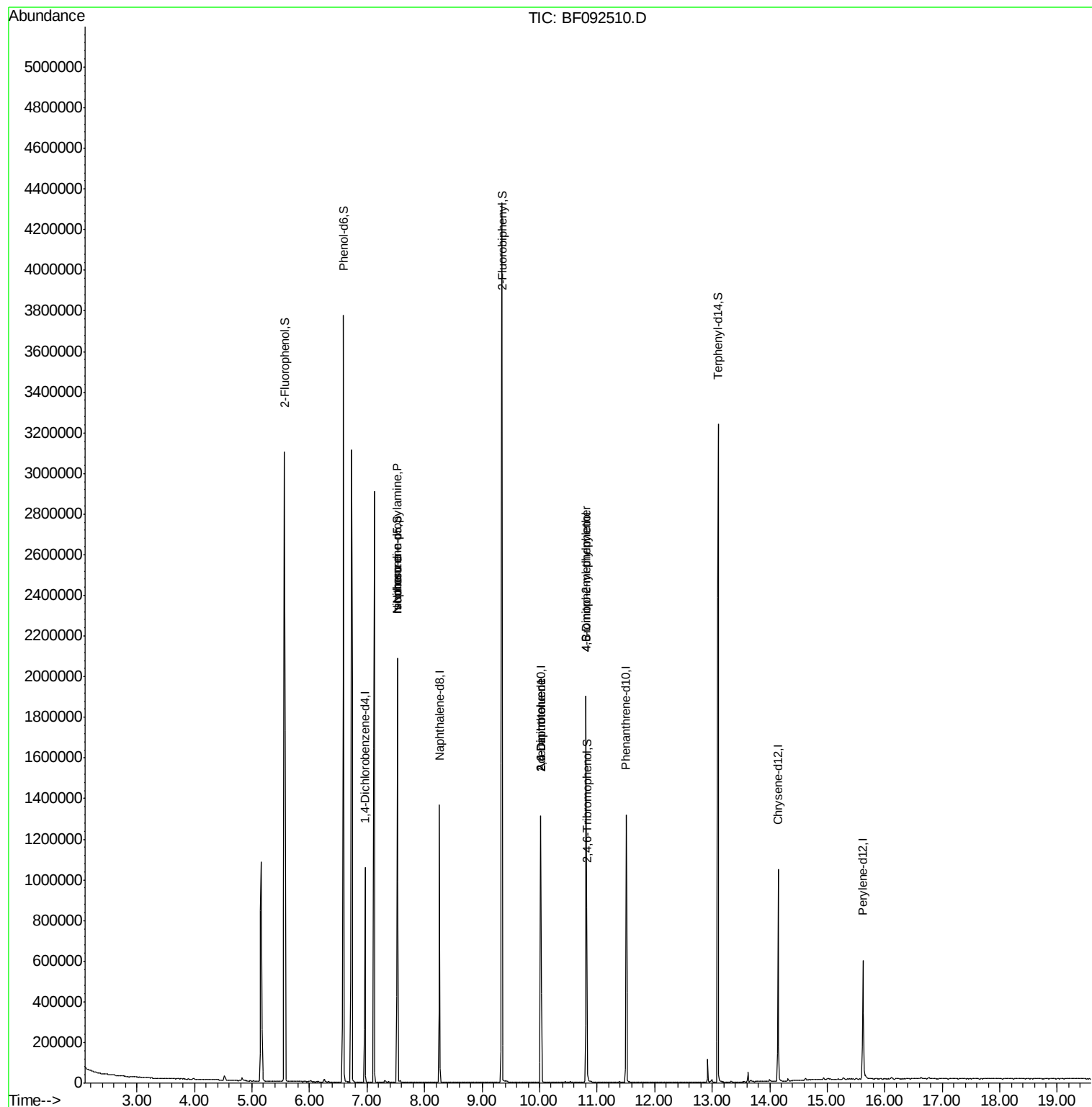
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	147773	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	603273	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	299603	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	503744	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	343647	20.00	ng	-0.02
86) Perylene-d12	15.62	264	293412	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1114926	117.39	ng	0.01
7) Phenol-d6	6.59	99	1425470	117.82	ng	0.00
23) Nitrobenzene-d5	7.53	82	812987	73.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	259498	127.10	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1434681	88.55	ng	-0.01
78) Terphenyl-d14	13.10	244	1348792	104.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	105222	12.77	ng	# 84
25) Isophorone	7.53	82	716397	32.92	ng	# 65
50) 2,6-Dinitrotoluene	10.02	165	37321	9.58	ng	# 30
56) 2,4-Dinitrotoluene	10.02	165	37323	7.22	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	320	5.06	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	18139	3.57	ng	# 1

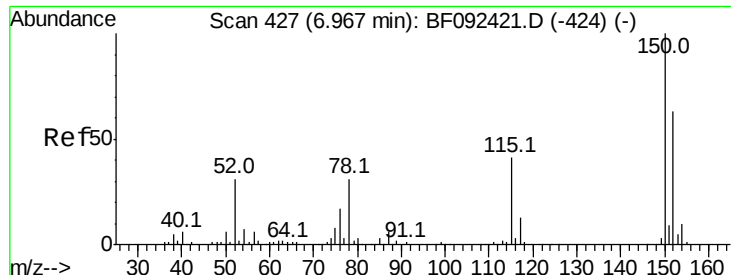
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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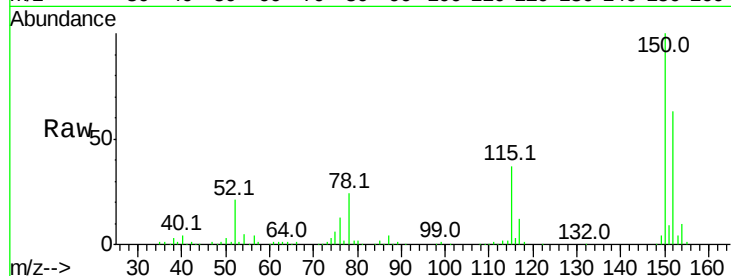


#1

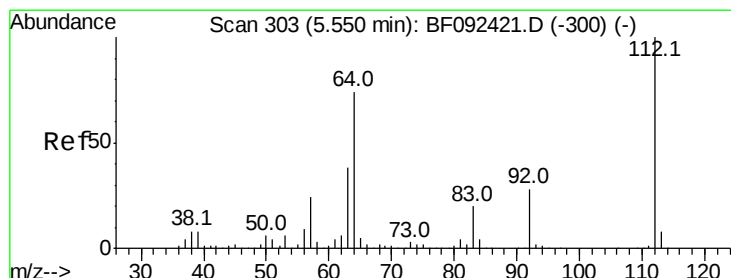
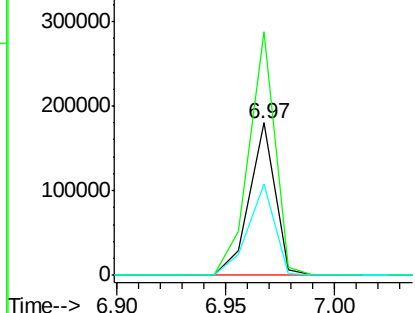
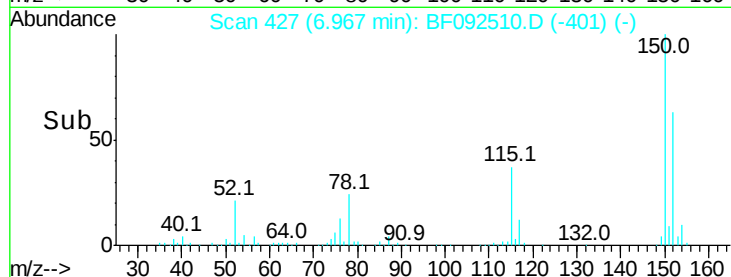
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147773
Ion Ratio Lower Upper
152 100
150 159.7 124.9 187.3
115 59.7 46.0 69.0



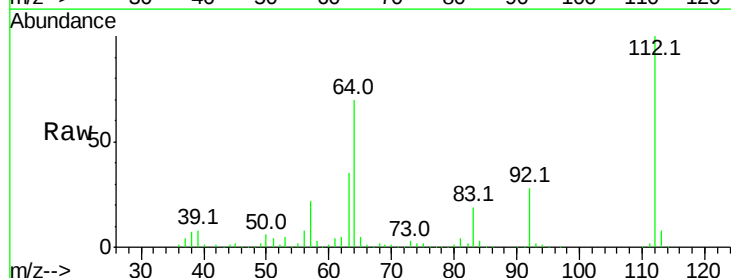
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



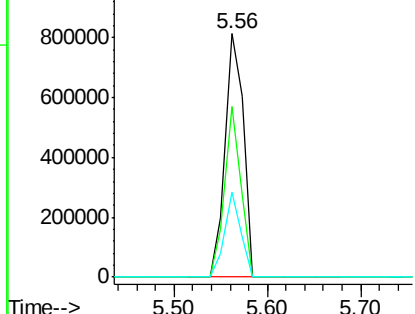
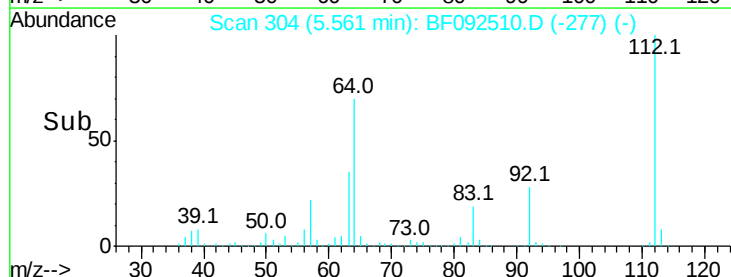
#5

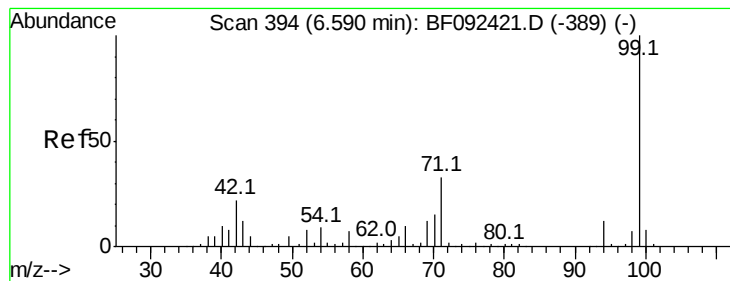
2-Fluorophenol
Concen: 117.39 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

Tgt Ion:112 Resp: 1114926
Ion Ratio Lower Upper
112 100
64 69.9 46.1 69.1#
63 34.8 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: 117.82 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

Instrument :

BNA_F

ClientSampleId :

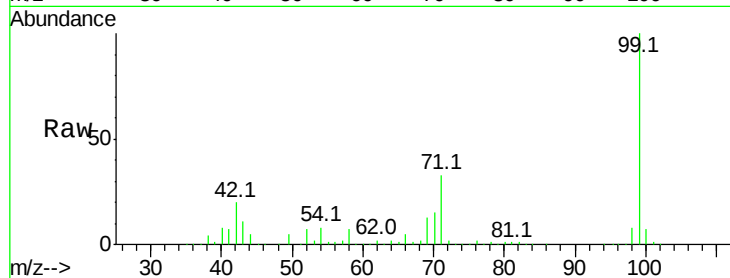
Tot Ion: 99 Resp: 1425470

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

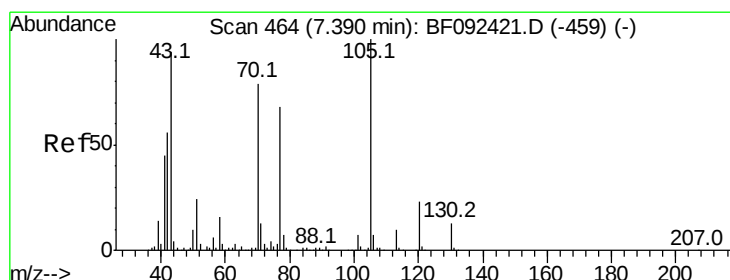
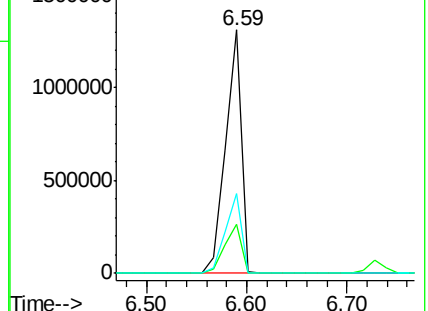
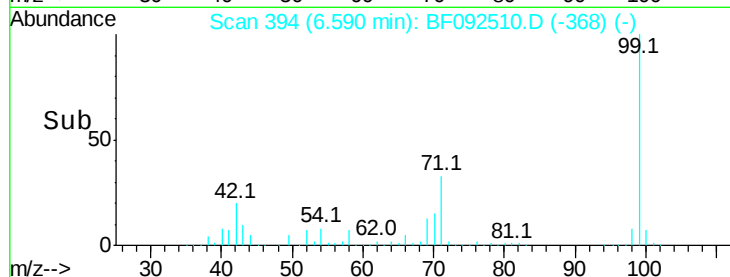
71 32.8 27.5 41.3



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: 12.77 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

Tgt Ion: 70 Resp: 105222

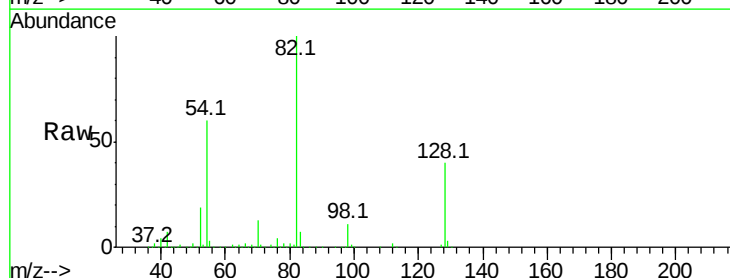
Ion Ratio Lower Upper

70 100

42 54.9 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

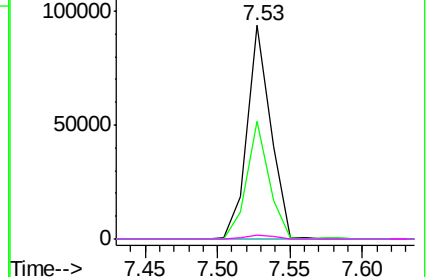
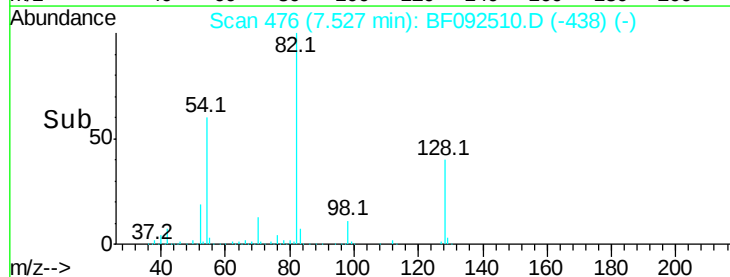


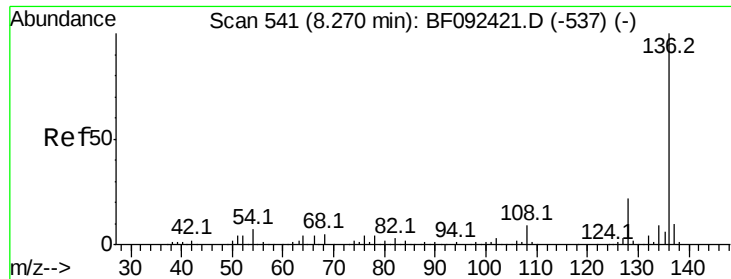
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

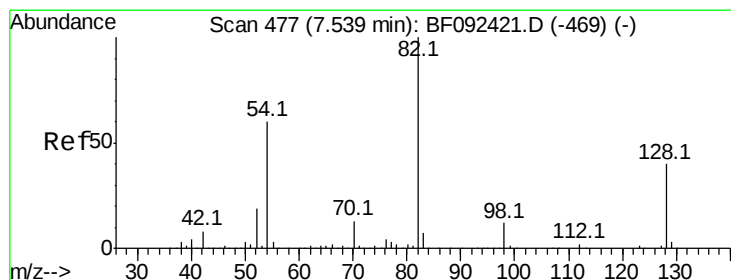
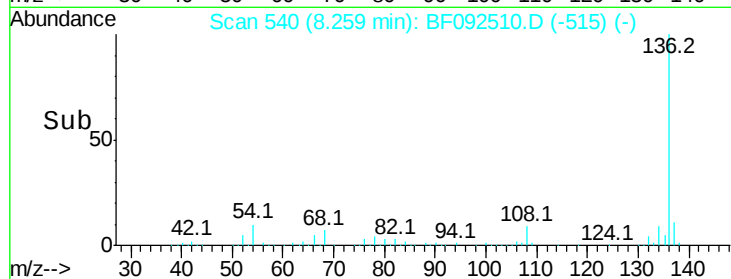
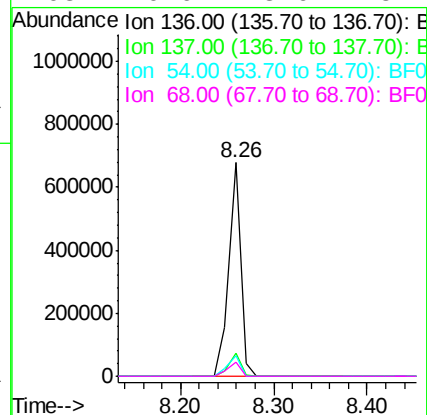
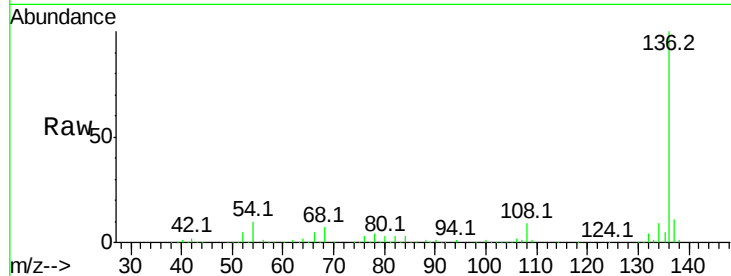




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

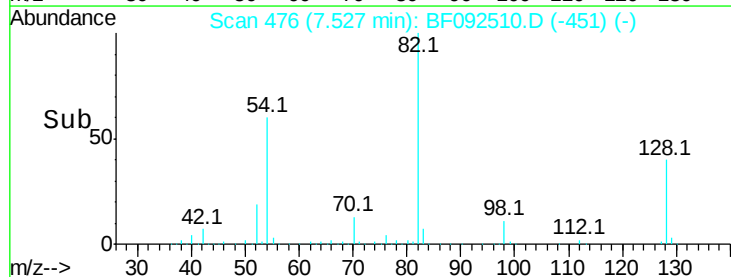
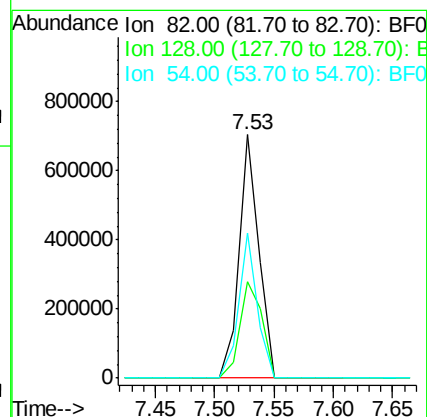
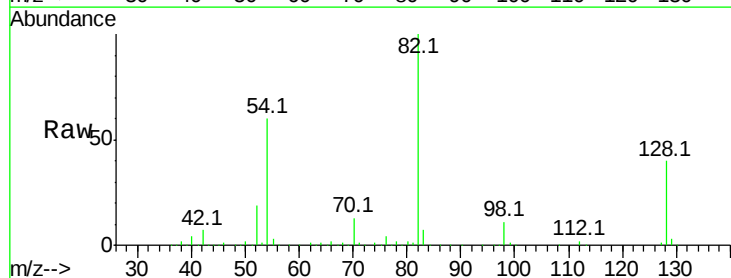
Instrument :
BNA_F
ClientSampleId :

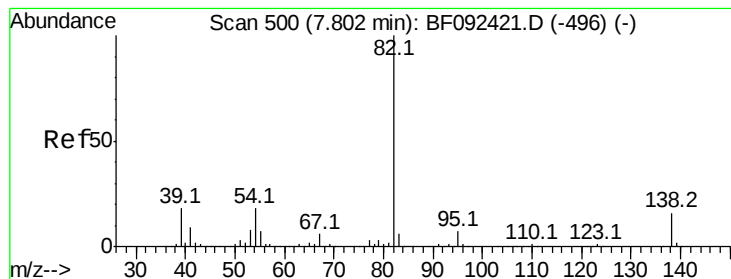
Tot Ion:136	Resp: 603273
Ion Ratio	Lower Upper
136 100	
137 10.9	8.4 12.6
54 9.6	4.5 6.7#
68 6.6	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 73.61 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

Tgt Ion: 82	Resp: 812987
Ion Ratio	Lower Upper
82 100	
128 39.8	34.6 52.0
54 59.5	39.5 59.3#





#25

Isophorone

Concen: 32.92 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

Instrument :

BNA_F

ClientSampled :

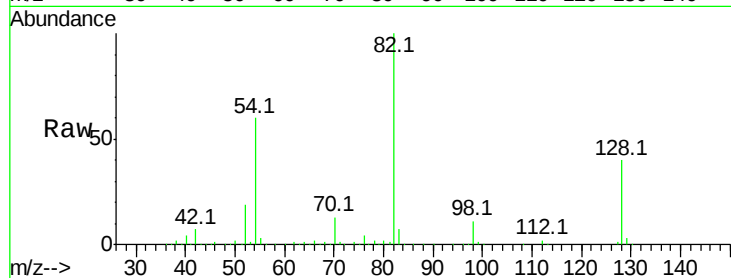
Tot Ion: 82 Resp: 716397

Ion Ratio Lower Upper

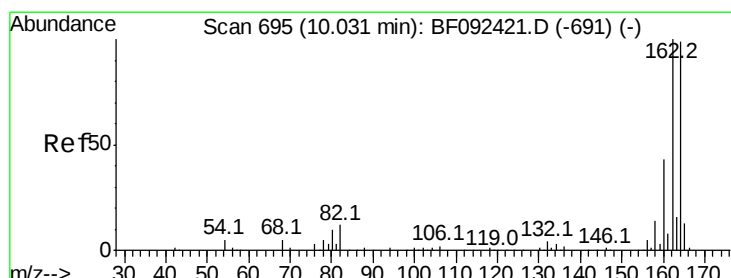
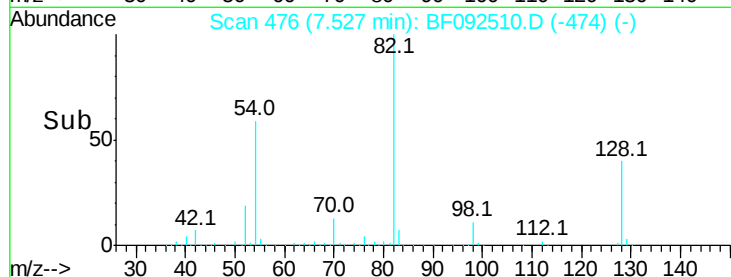
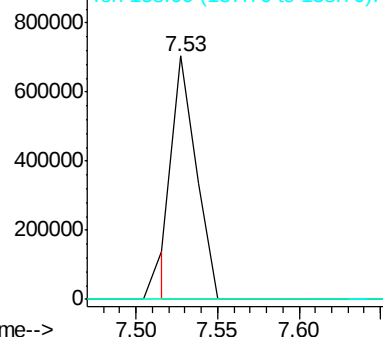
82 100

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: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

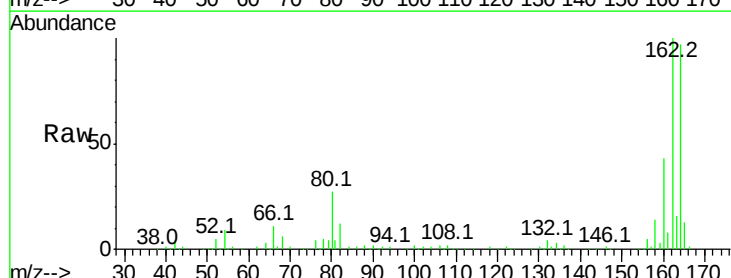
Tgt Ion: 164 Resp: 299603

Ion Ratio Lower Upper

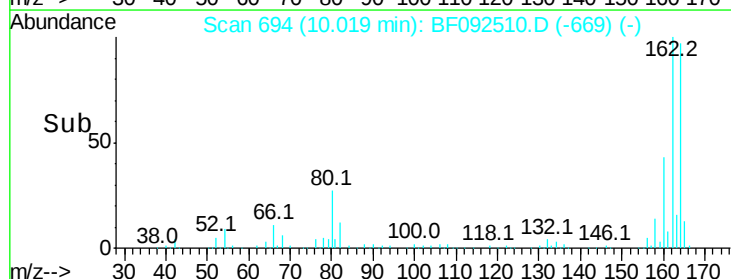
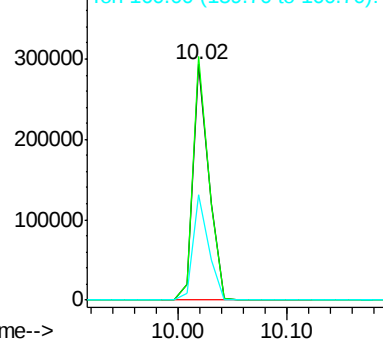
164 100

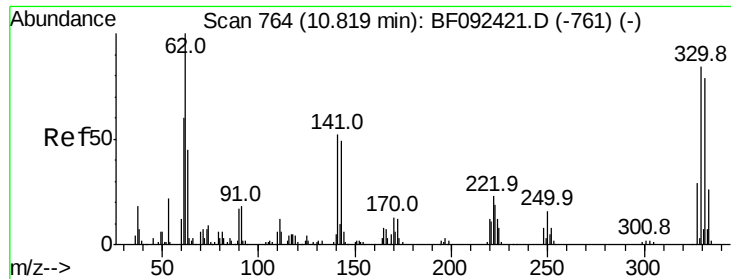
162 103.4 80.2 120.2

160 44.5 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: 127.10 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

Instrument :

BNA_F

ClientSampleId :

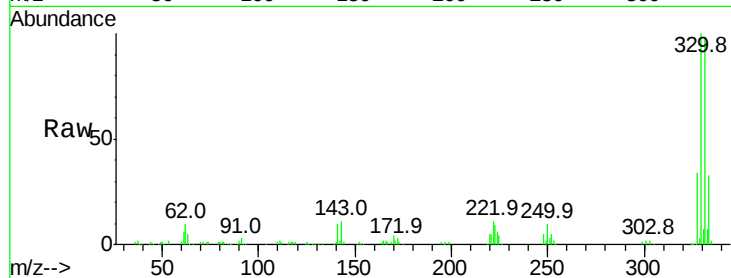
Tot Ion:330 Resp: 259498

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

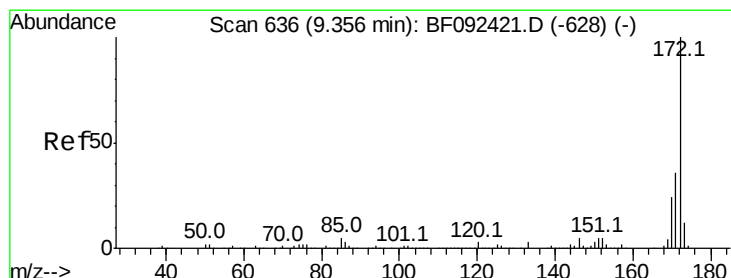
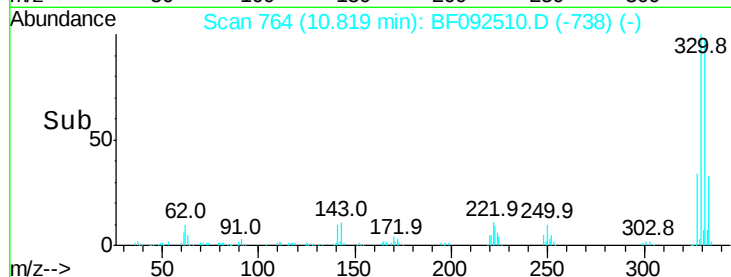
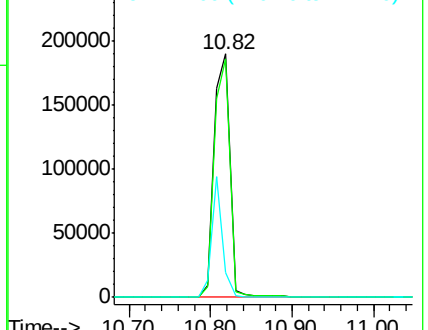
141 34.9 34.1 51.1



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: 88.55 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

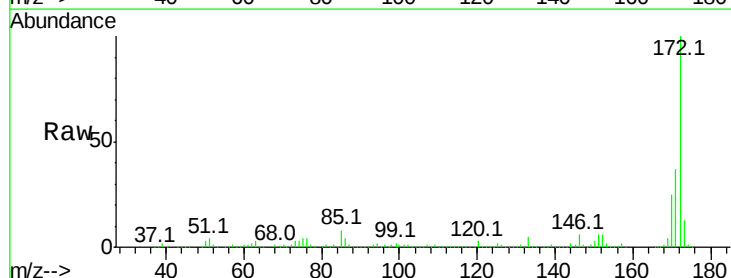
Tgt Ion:172 Resp: 1434681

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

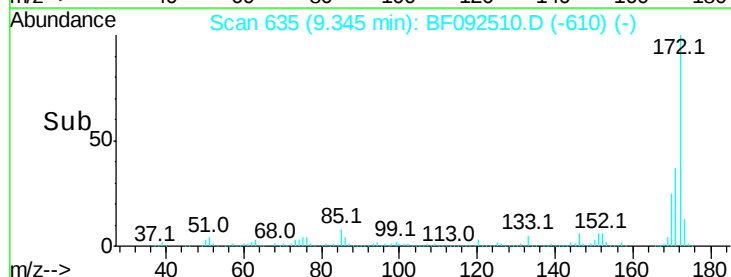
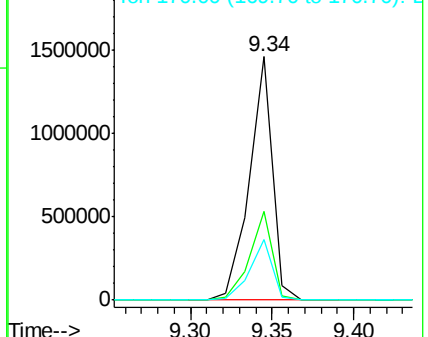
170 24.7 20.2 30.4

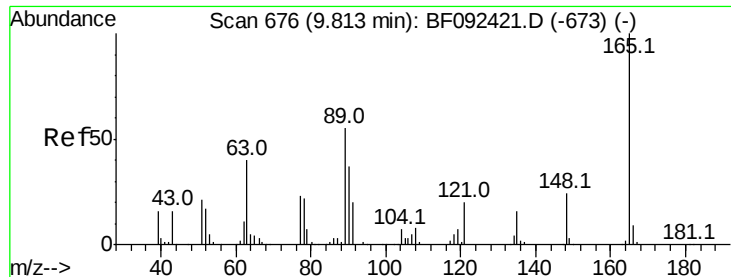


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

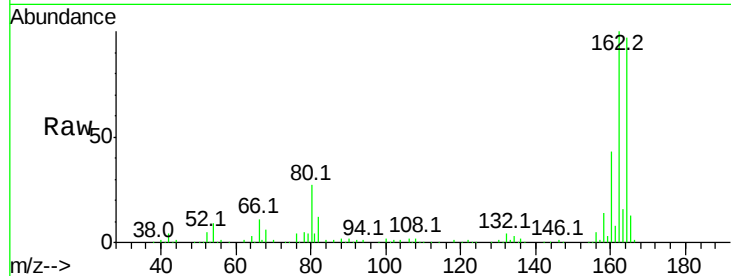




#50
2,6-Dinitrotoluene
Concen: 9.58 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.21 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

Instrument :
BNA_F
ClientSampleId :

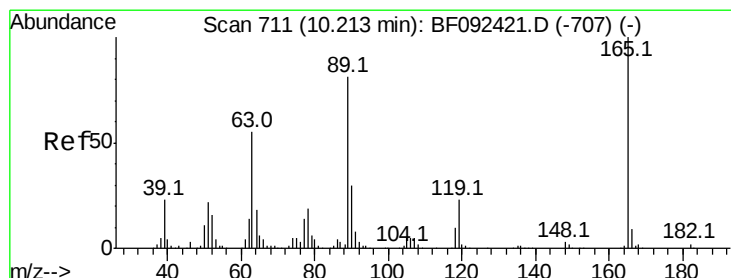
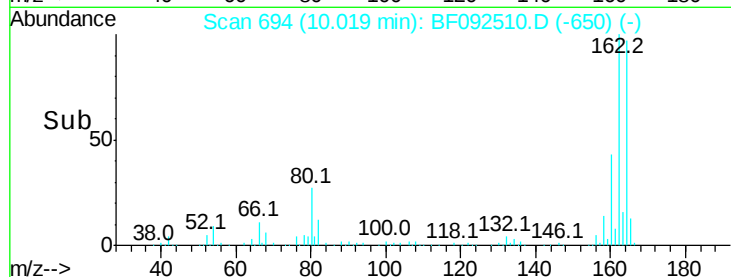
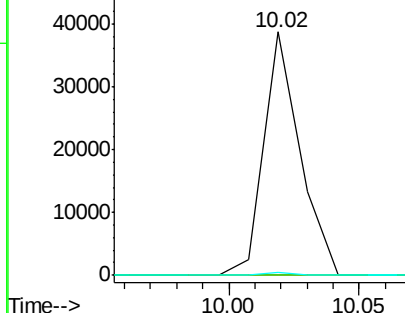
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.2	54.4#
89	1.1	40.2	60.4#



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: 7.22 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

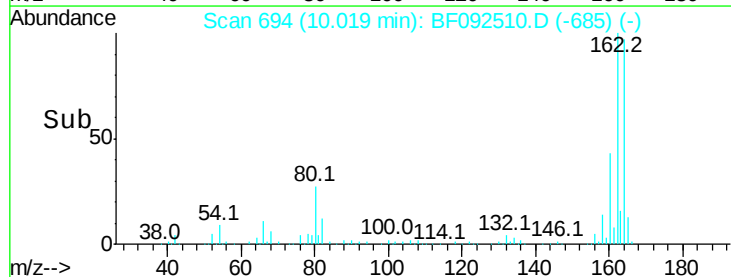
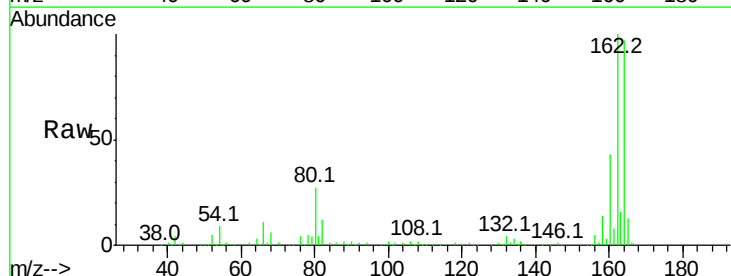
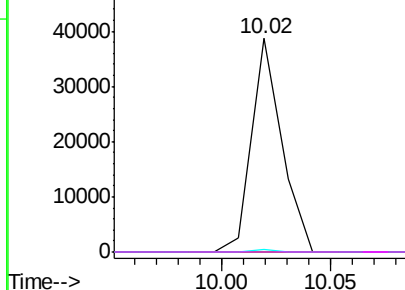
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

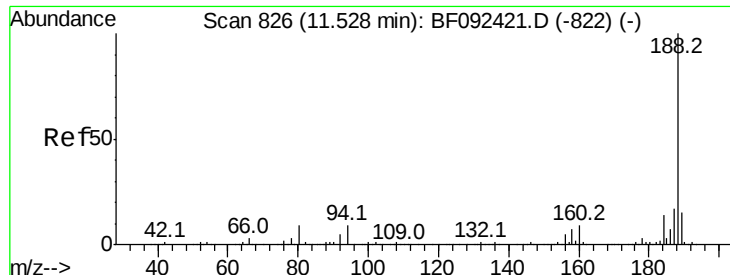
Abundance Ion 165.00 (164.70 to 165.70): E

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

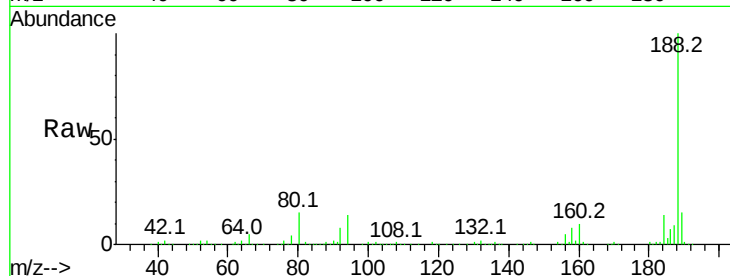




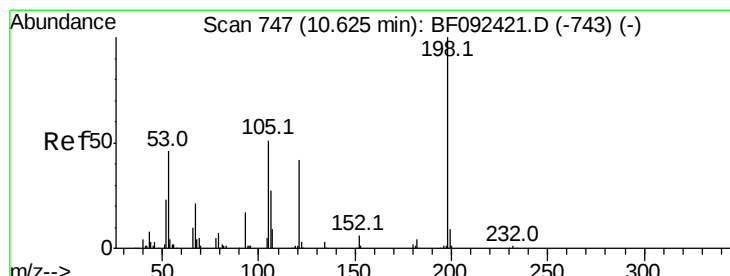
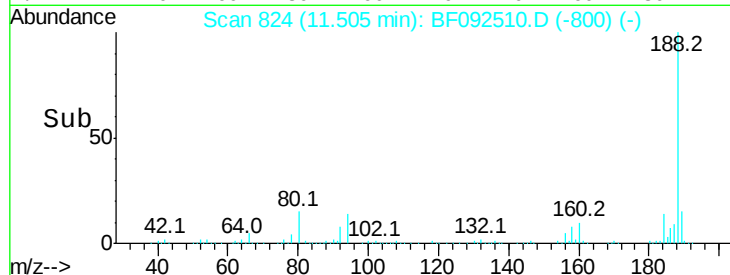
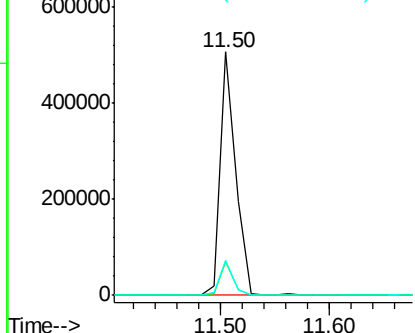
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 503744
Ion Ratio Lower Upper
188 100
94 13.7 10.0 15.0
80 14.6 11.2 16.8

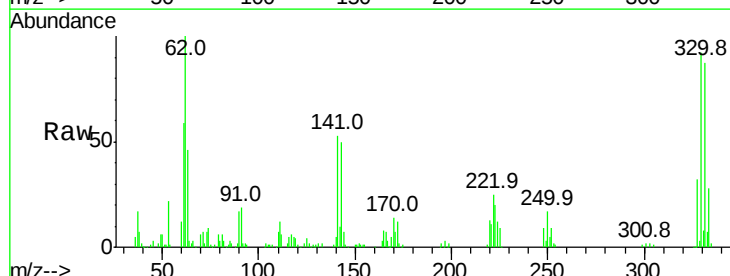


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

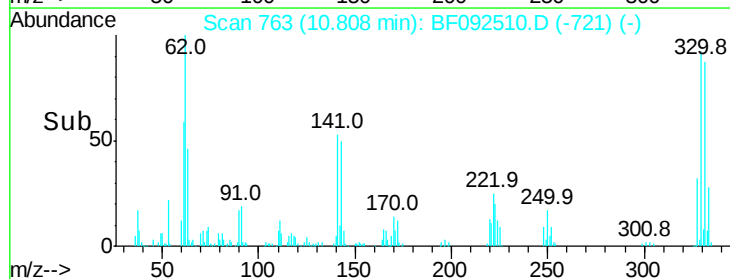
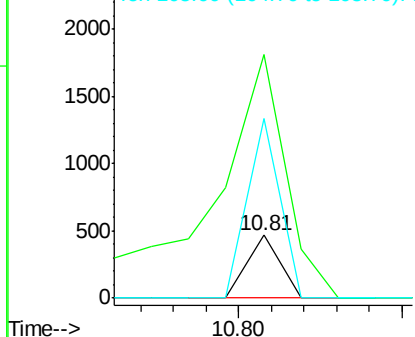


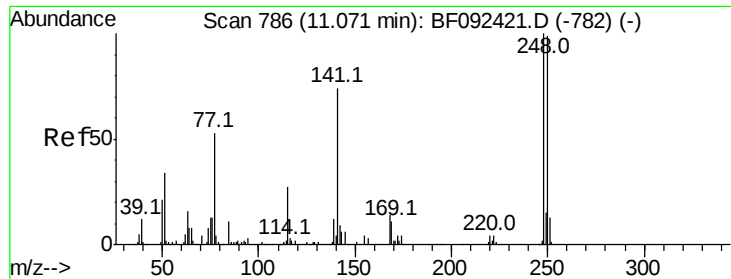
#64
4,6-Dinitro-2-methylphenol
Concen: 5.06 ng
RT: 10.81 min Scan# 763
Delta R.T. 0.18 min
Lab File: BF092510.D
Acq: 26 Jan 2017 8:01

Tgt Ion:198 Resp: 320
Ion Ratio Lower Upper
198 100
51 388.4 6.7 46.7#
105 287.3 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: 3.57 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.26 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

Instrument :

BNA_F

ClientSampleId :

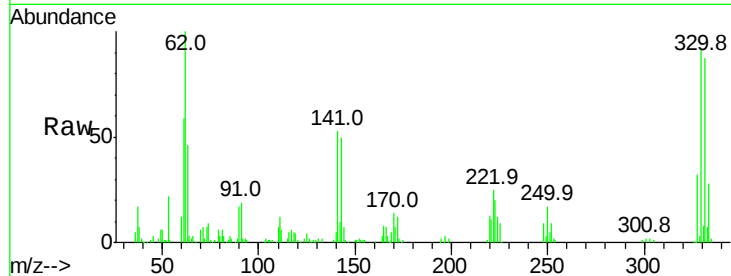
Tot Ion:248 Resp: 18139

Ion Ratio Lower Upper

248 100

250 200.6 76.9 115.3#

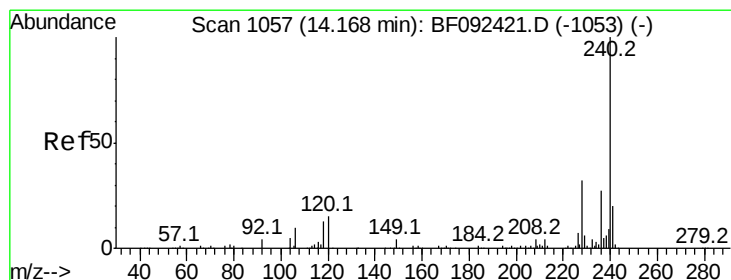
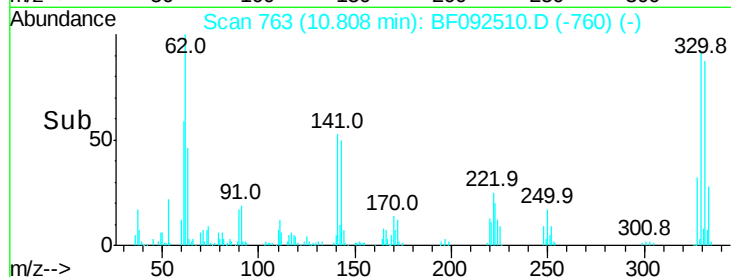
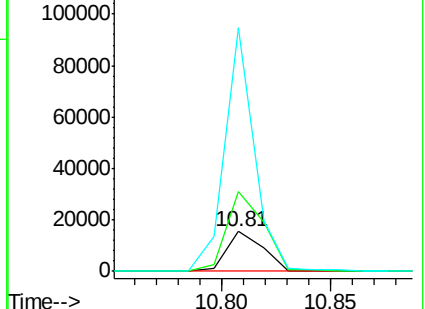
141 611.3 68.2 102.4#



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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

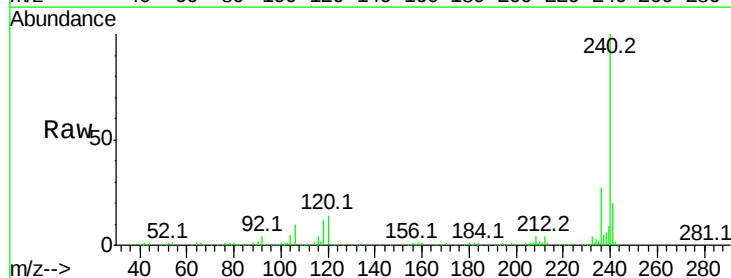
Tgt Ion:240 Resp: 343647

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

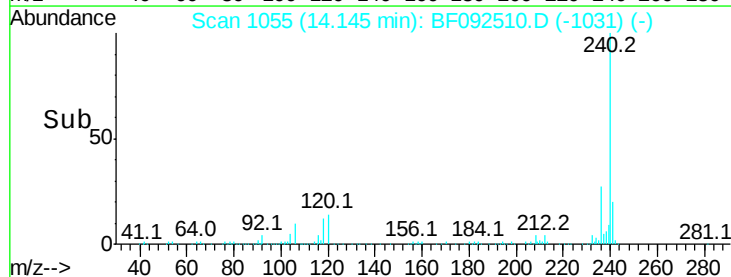
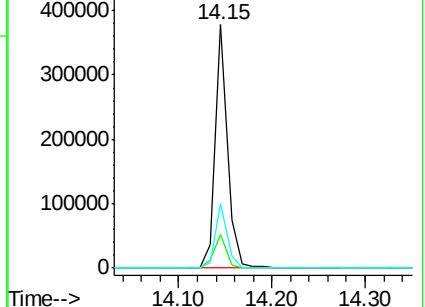
236 26.7 20.9 31.3

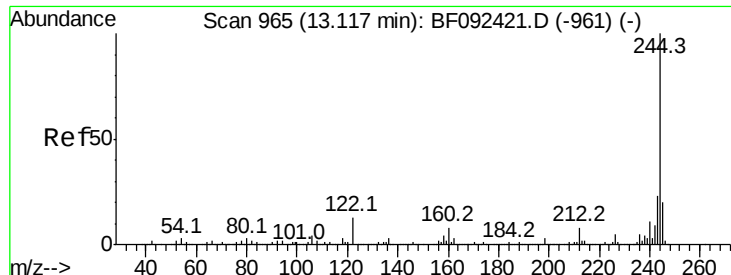


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 104.52 ng

RT: 13.10 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

Instrument :

BNA_F

ClientSampleId :

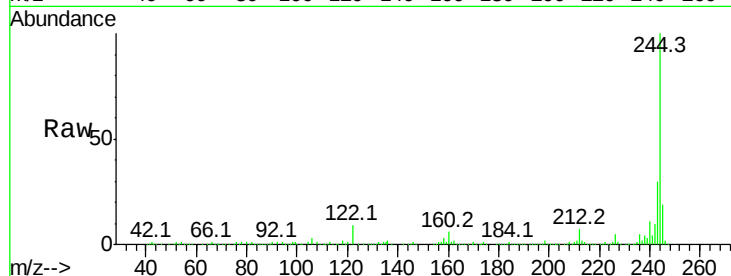
Tot Ion:244 Resp: 1348792

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

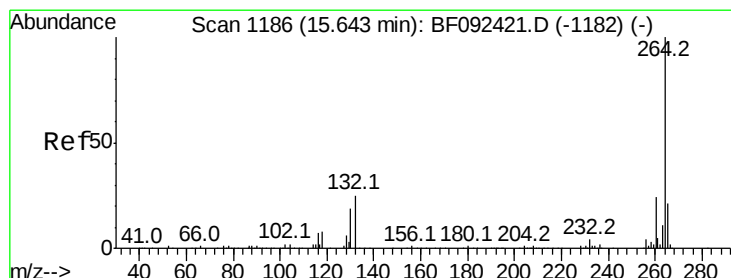
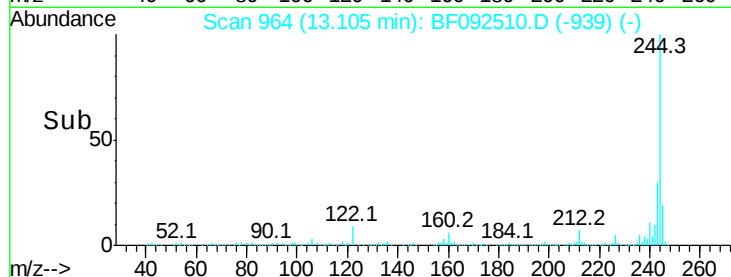
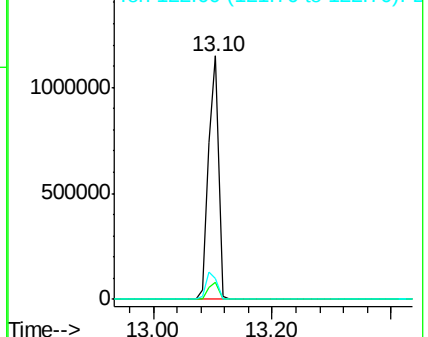
122 8.8 11.4 17.2#



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: 15.62 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF092510.D

Acq: 26 Jan 2017 8:01

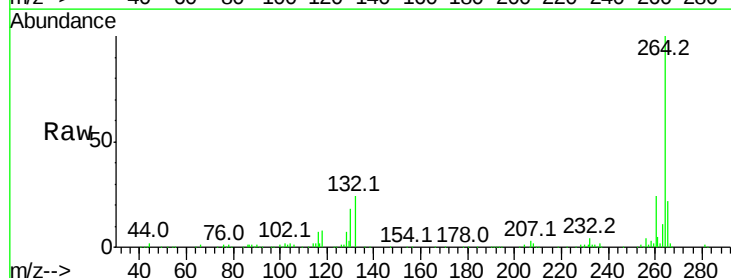
Tgt Ion:264 Resp: 293412

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.0 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

