

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020817\
 Data File : BF092862.D
 Acq On : 8 Feb 2017 19:24
 Operator : SJ/MA
 Sample : PB96817TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96817TB

Quant Time: Feb 08 23:43:02 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

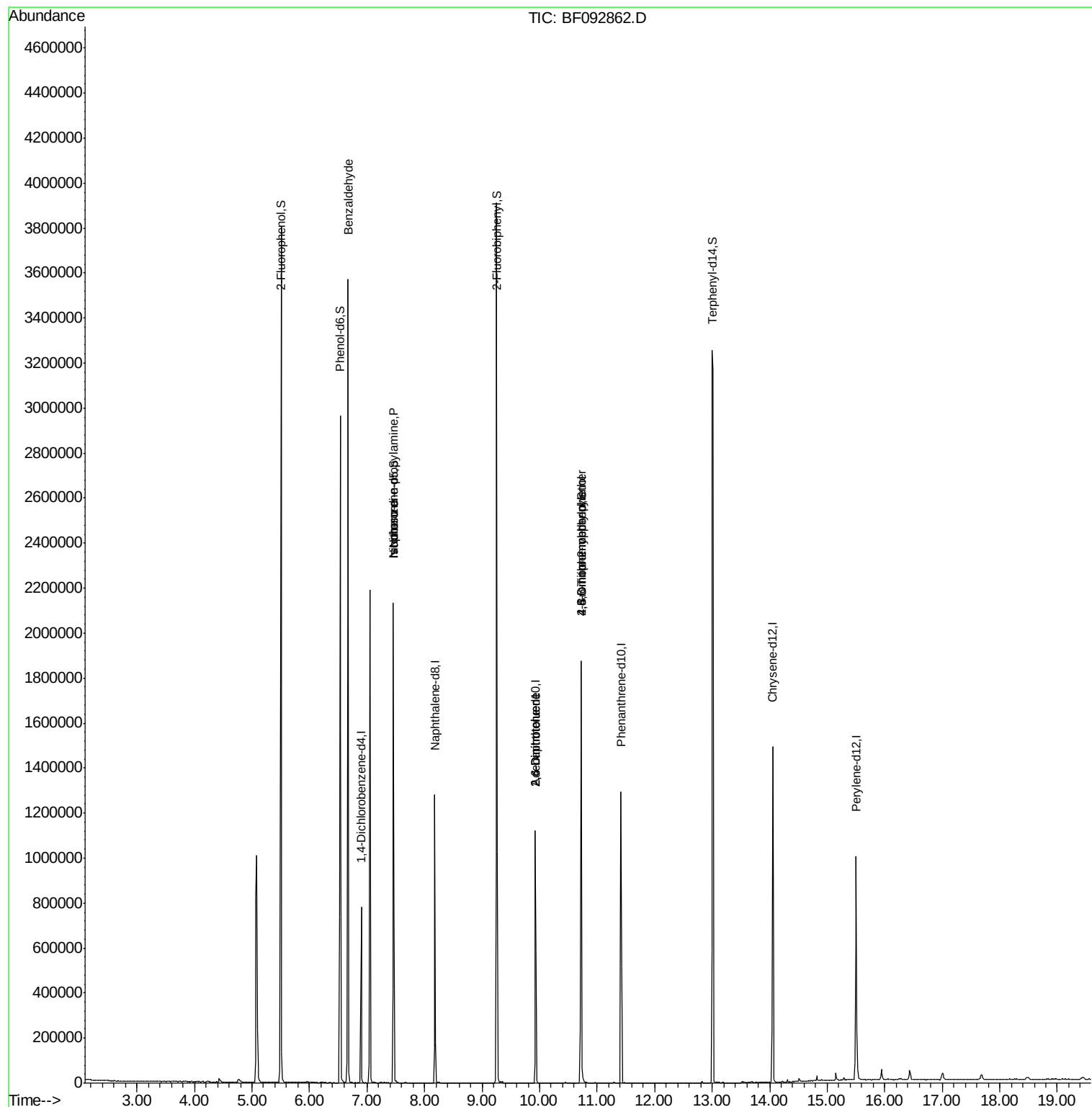
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	137473	20.00	ng	-0.07
21) Naphthalene-d8	8.18	136	555460	20.00	ng	-0.08
38) Acenaphthene-d10	9.93	164	298222	20.00	ng	-0.08
63) Phenanthrene-d10	11.41	188	529881	20.00	ng	-0.08
75) Chrysene-d12	14.05	240	500871	20.00	ng	-0.09
86) Perylene-d12	15.51	264	459667	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1093696	136.49	ng	-0.07
7) Phenol-d6	6.53	99	1326364	128.65	ng	-0.07
23) Nitrobenzene-d5	7.46	82	769325	77.13	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	322961	149.73	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	1411738	85.76	ng	-0.08
78) Terphenyl-d14	13.01	244	1636843	76.79	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.67	77	23572	3.19	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.46	70	100159	15.26	ng	# 85
25) Isophorone	7.46	82	768887	41.37	ng	# 65
50) 2,6-Dinitrotoluene	9.93	165	38320	8.83	ng	# 30
56) 2,4-Dinitrotoluene	9.93	165	38321	6.64	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.73	198	669	2.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	24486	4.42	ng	# 1

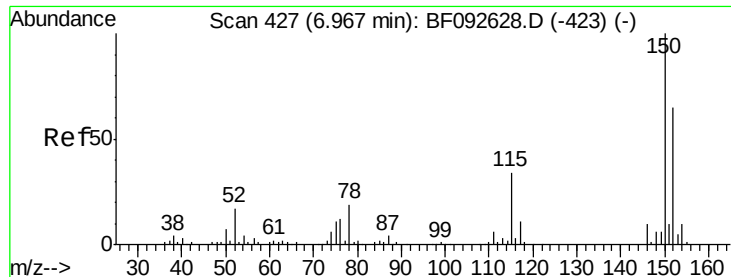
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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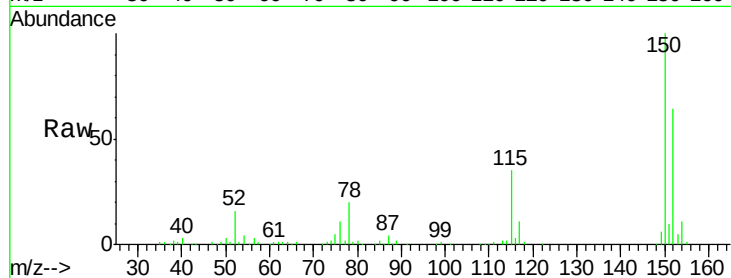


#1

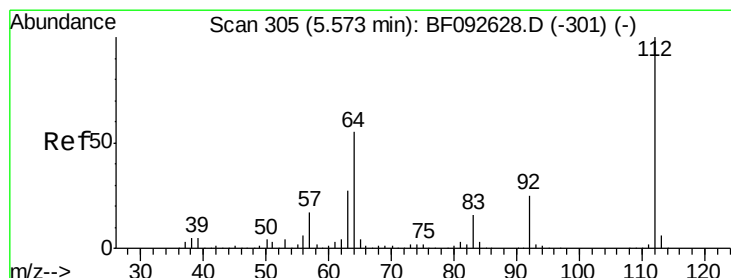
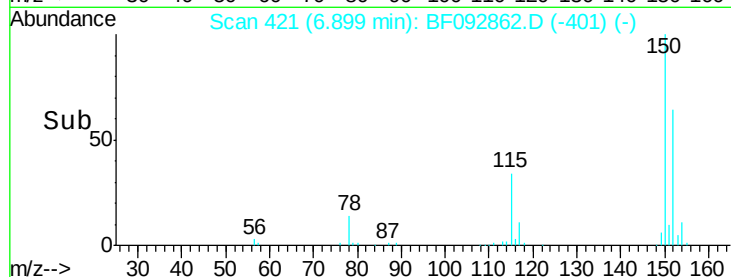
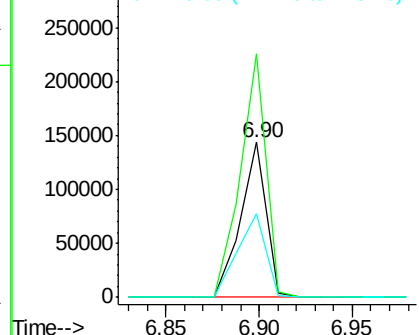
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.07 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Instrument :
BNA_F
ClientSampleId :
PB96817TB

Tgt Ion:152 Resp: 137473
Ion Ratio Lower Upper
152 100
150 157.4 124.9 187.3
115 54.4 46.0 69.0



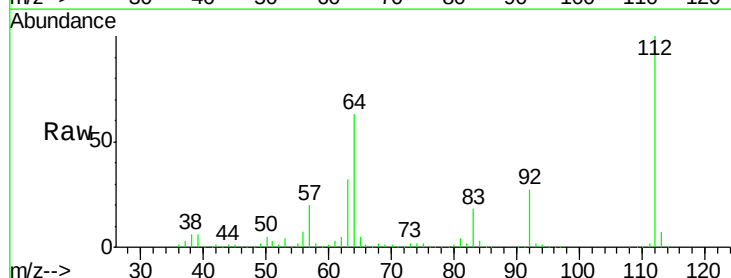
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



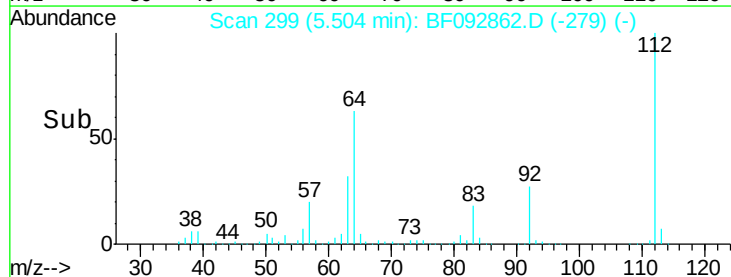
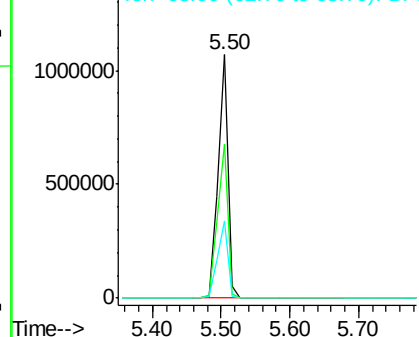
#5

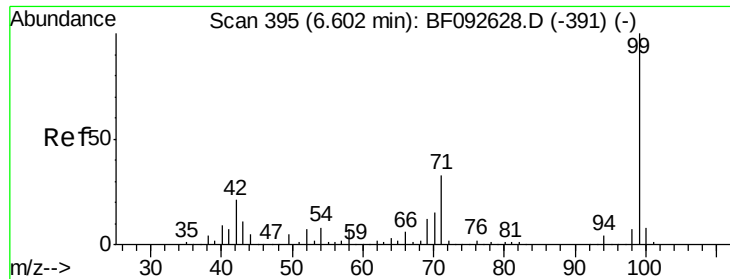
2-Fluorophenol
Concen: 136.49 ng
RT: 5.50 min Scan# 299
Delta R.T. -0.07 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:112 Resp: 1093696
Ion Ratio Lower Upper
112 100
64 63.3 46.1 69.1
63 31.9 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: 128.65 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.07 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

Instrument :

BNA_F

ClientSampleId :

PB96817TB

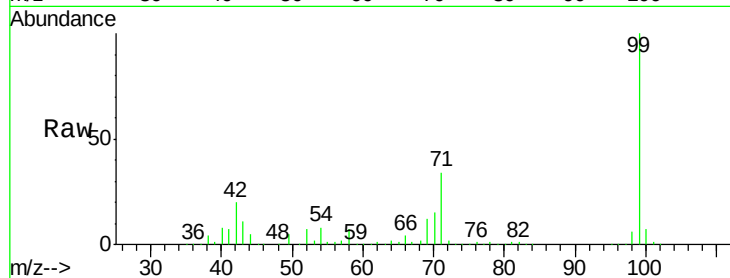
Tgt Ion: 99 Resp: 1326364

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

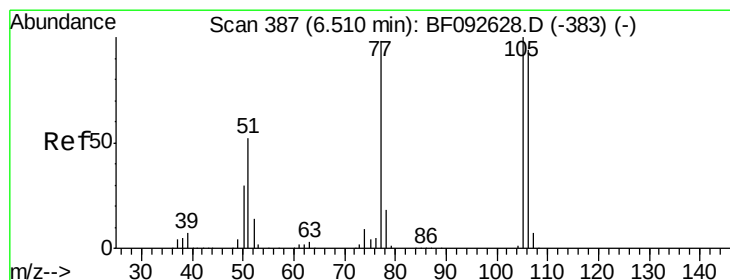
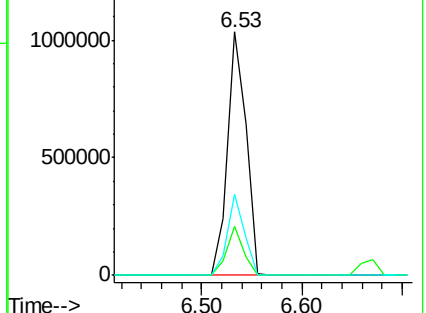
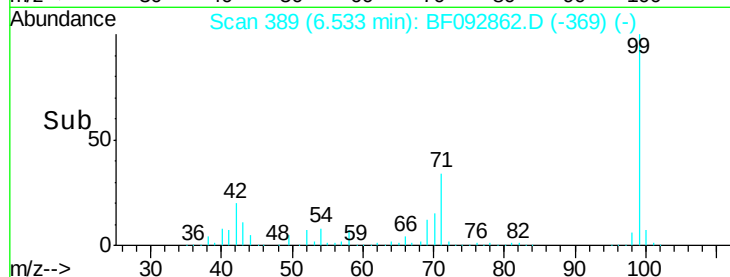
71 33.5 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.19 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.16 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

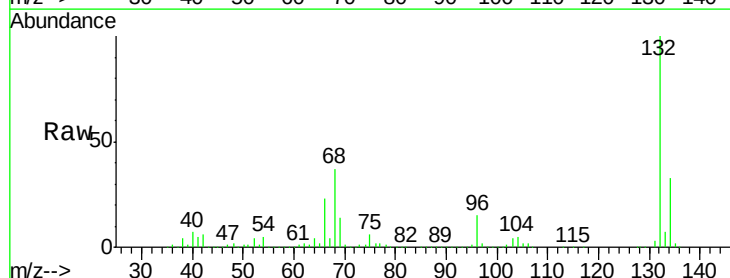
Tgt Ion: 77 Resp: 23572

Ion Ratio Lower Upper

77 100

105 84.0 83.9 123.9

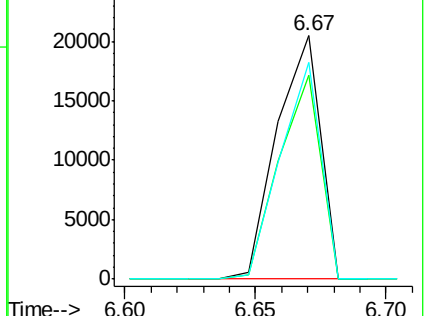
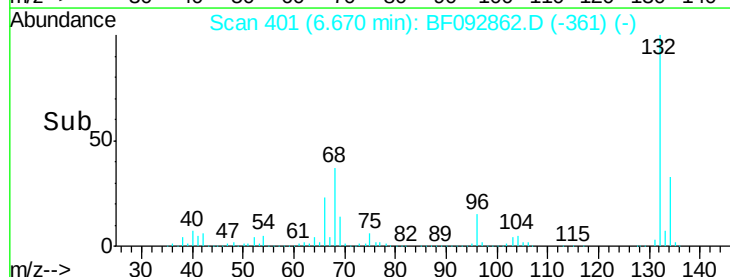
106 89.1 77.6 117.6

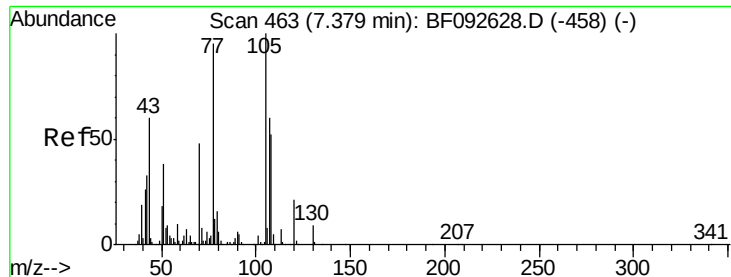


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

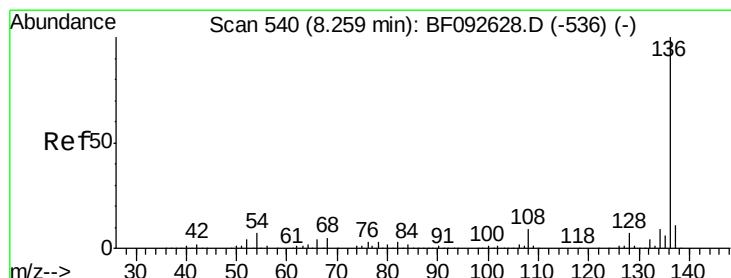
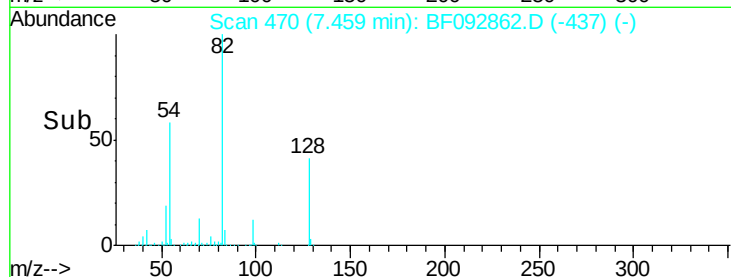
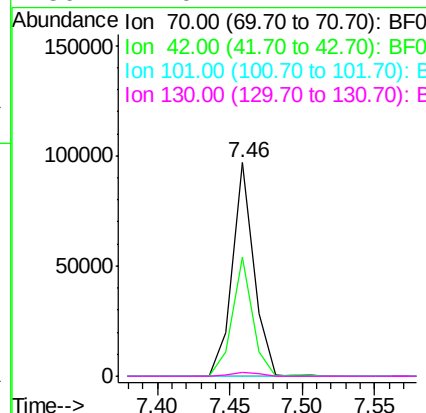
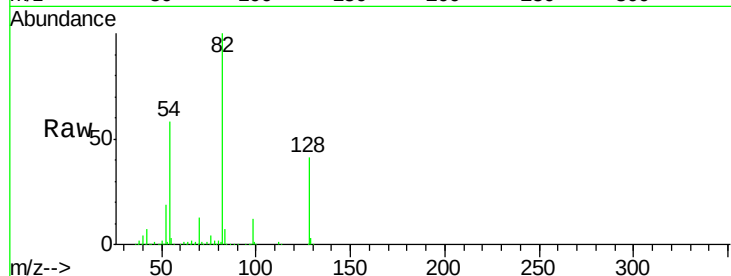




#19
n-Nitroso-di-n-propylamine
Concen: 15.26 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

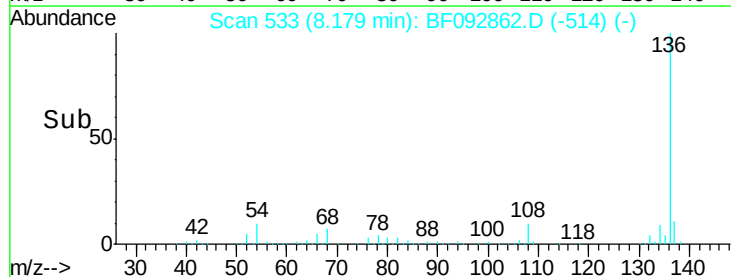
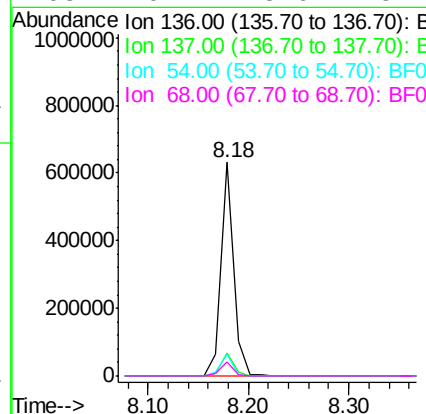
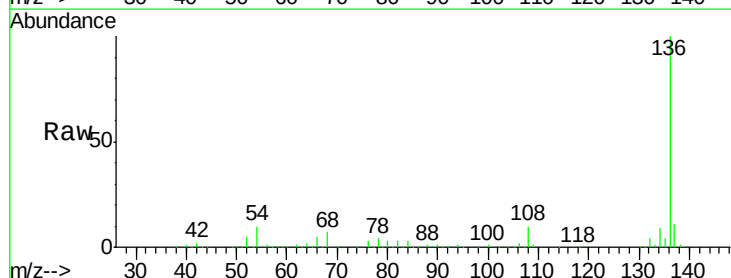
Instrument :
BNA_F
ClientSampleId :
PB96817TB

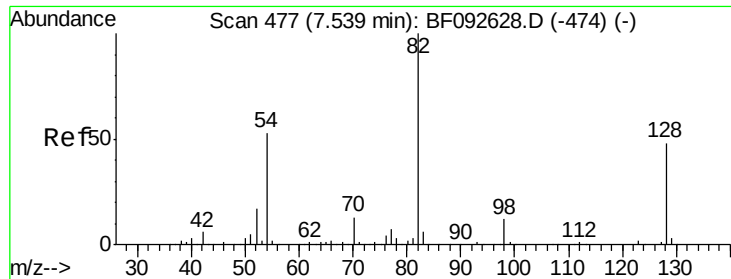
Tgt Ion:	70	Resp:	100159
Ion	Ratio	Lower	Upper
70	100		
42	55.9	49.4	74.0
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Tgt Ion:	136	Resp:	555460
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.2	4.5	6.7#
68	6.7	3.6	5.4#

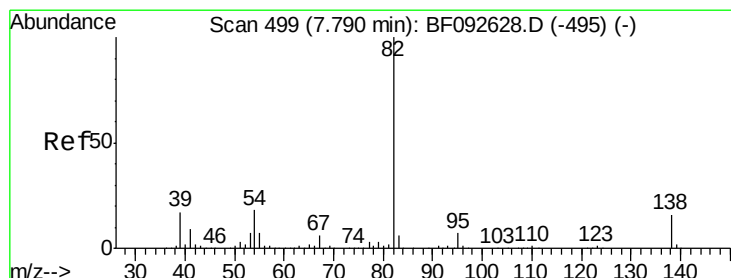
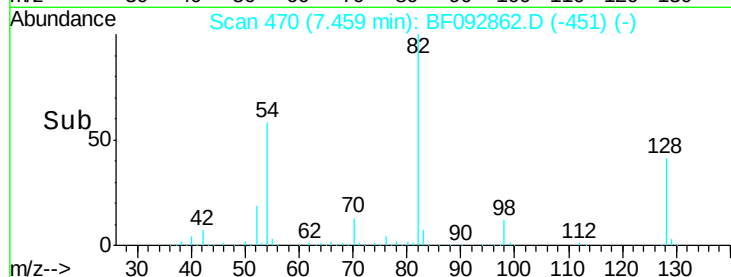
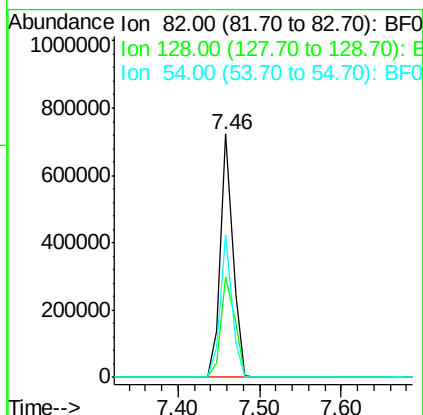
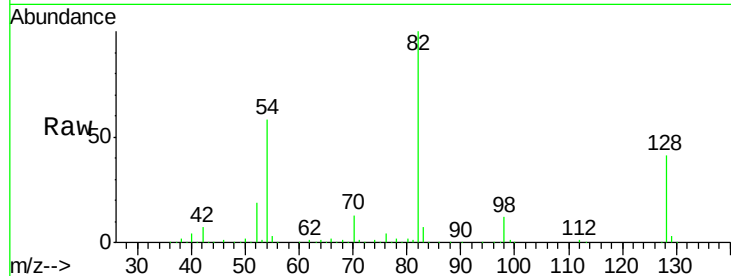




#23
 Nitrobenzene-d5
 Concen: 77.13 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.08 min
 Lab File: BF092862.D
 Acq: 8 Feb 2017 19:24

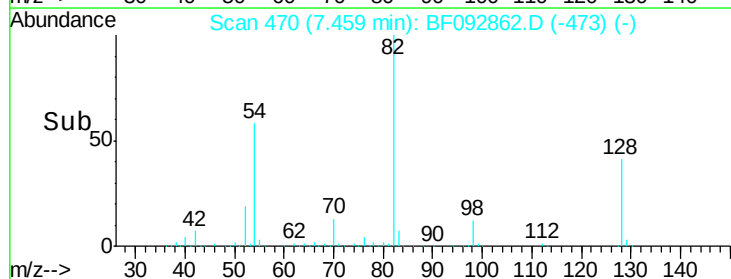
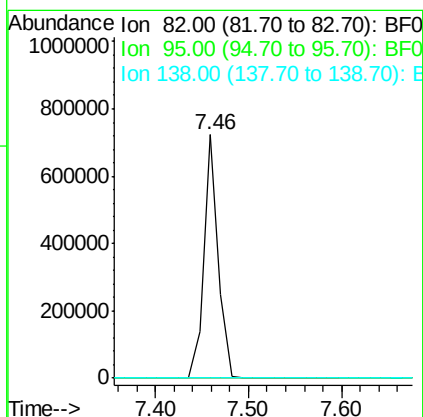
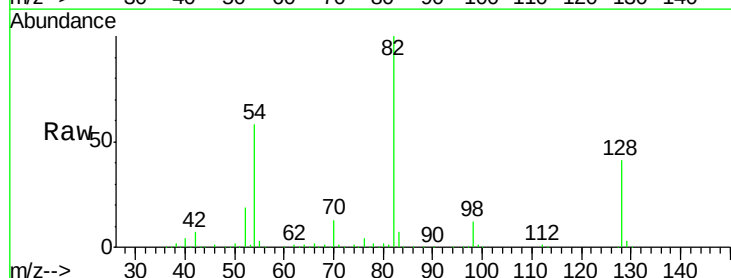
Instrument :
 BNA_F
 ClientSampleID :
 PB96817TB

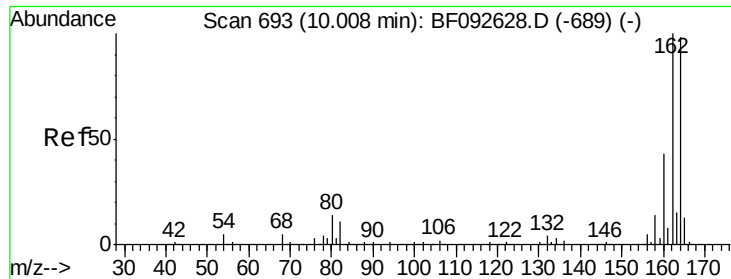
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.6	52.0
54	58.3	39.5	59.3



#25
 Isophorone
 Concen: 41.37 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.33 min
 Lab File: BF092862.D
 Acq: 8 Feb 2017 19:24

Tgt 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: 9.93 min Scan# 686

Delta R.T. -0.08 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

Instrument :

BNA_F

ClientSampleId :

PB96817TB

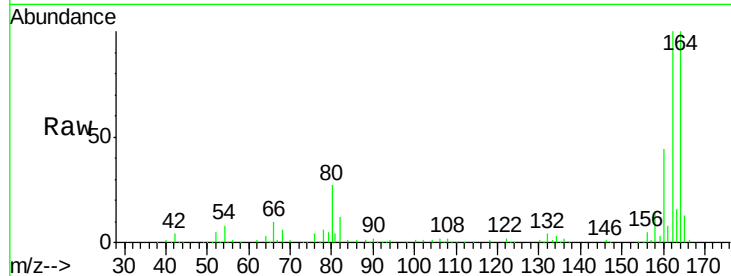
Tgt Ion:164 Resp: 298222

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.2

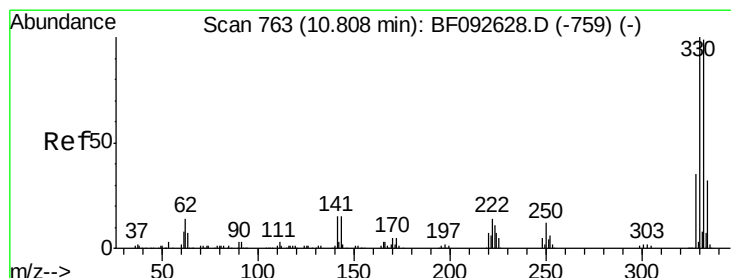
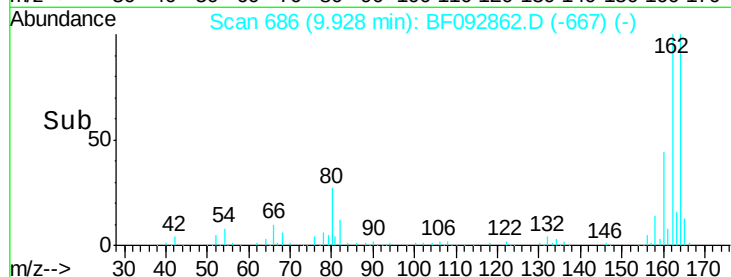
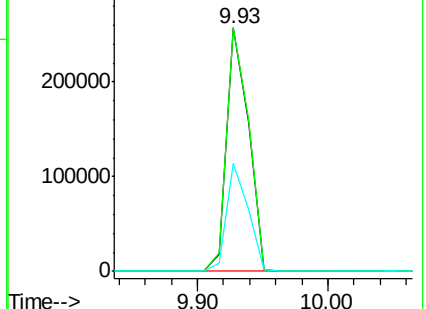
160 44.2 36.9 55.3



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: 149.73 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.08 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

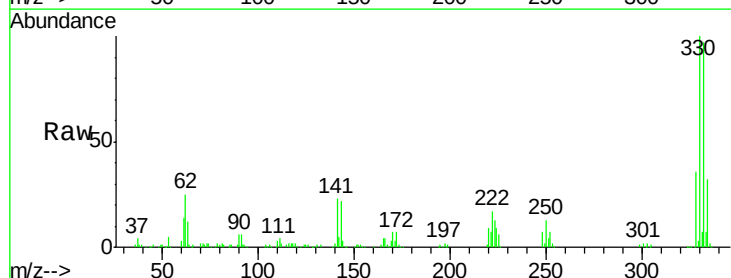
Tgt Ion:330 Resp: 322961

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

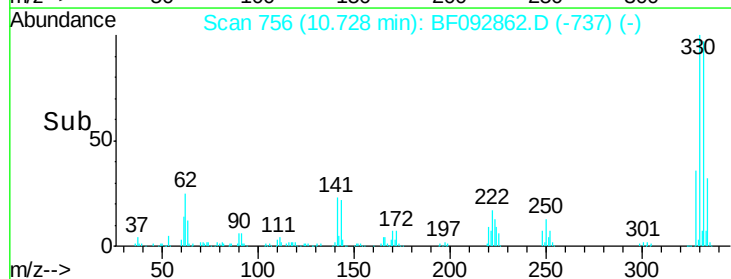
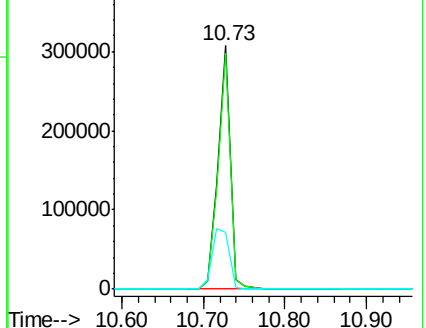
141 35.0 34.1 51.1

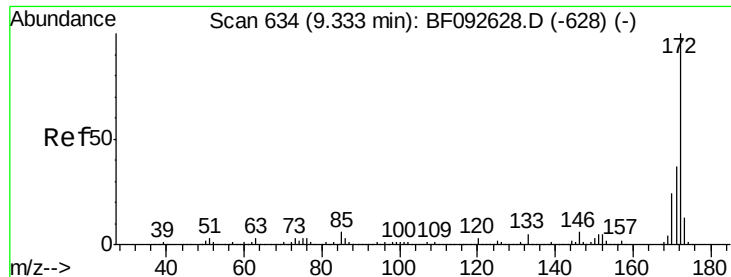


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

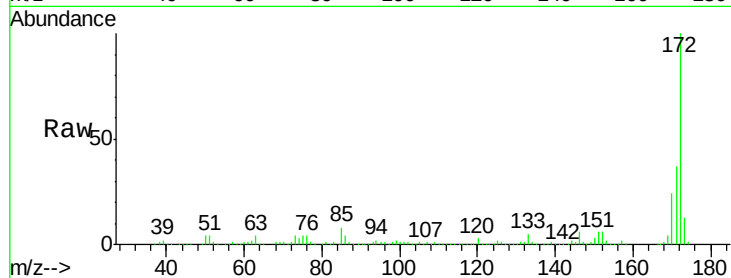




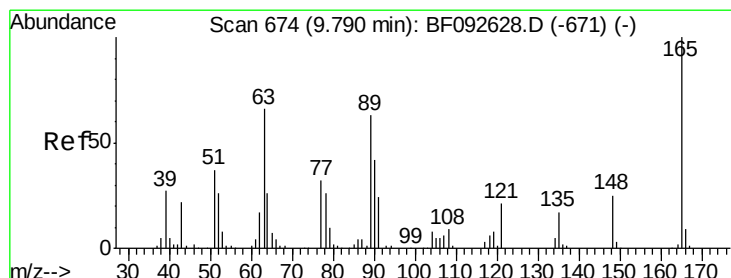
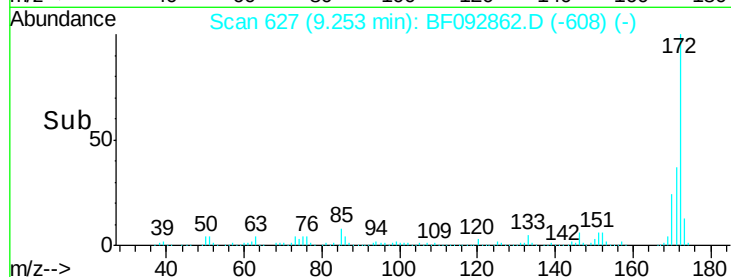
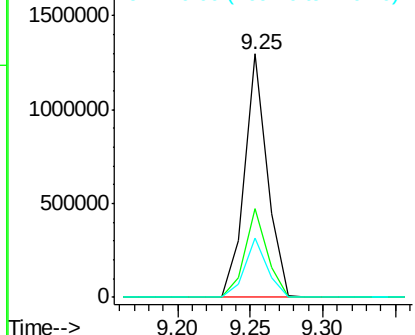
#44
 2-Fluorobiphenyl
 Concen: 85.76 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.08 min
 Lab File: BF092862.D
 Acq: 8 Feb 2017 19:24

Instrument :
 BNA_F
 ClientSampleId :
 PB96817TB

Tgt Ion:172 Resp: 1411738
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.2 20.2 30.4

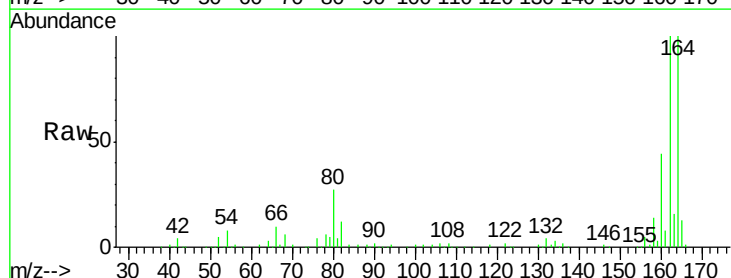


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

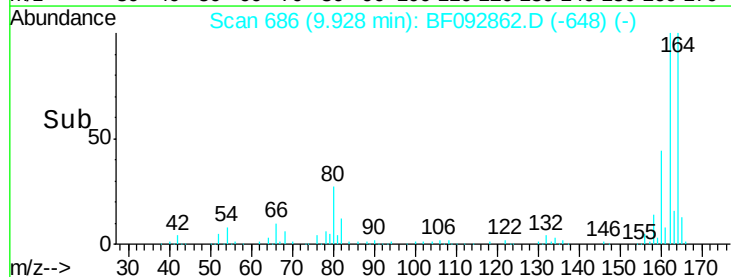
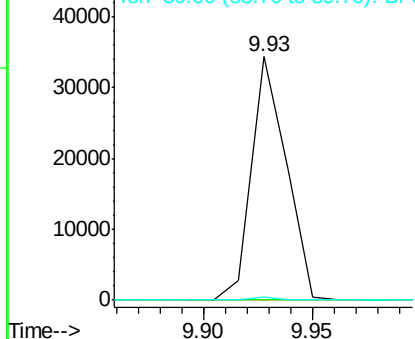


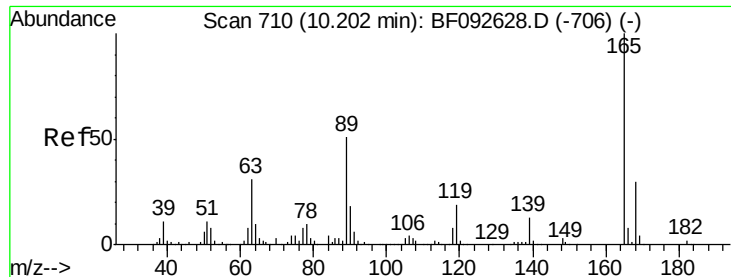
#50
 2,6-Dinitrotoluene
 Concen: 8.83 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.14 min
 Lab File: BF092862.D
 Acq: 8 Feb 2017 19:24

Tgt Ion:165 Resp: 38320
 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: 6.64 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.27 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

Instrument :

BNA_F

ClientSampleId :

PB96817TB

Tgt Ion:165 Resp: 38321

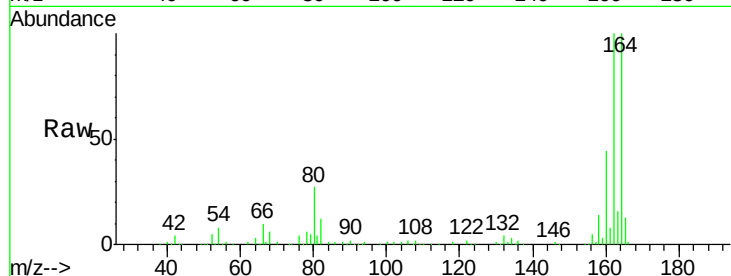
Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

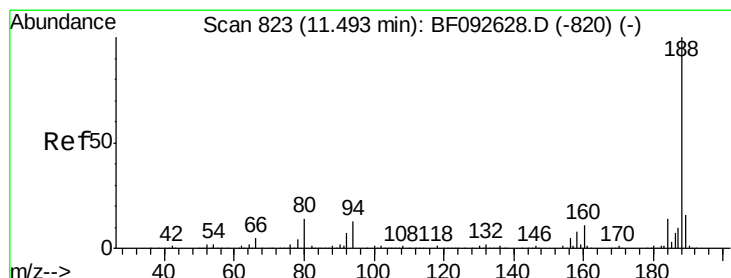
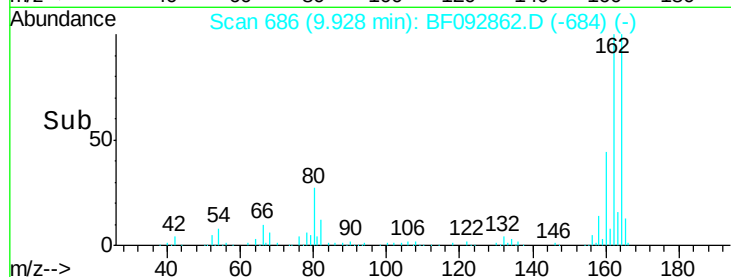
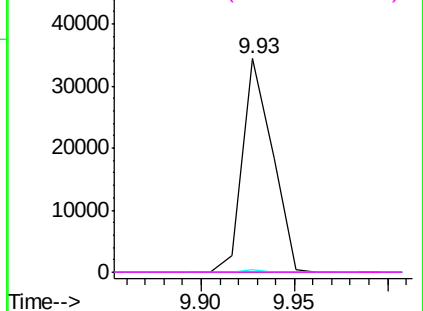


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 816

Delta R.T. -0.08 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

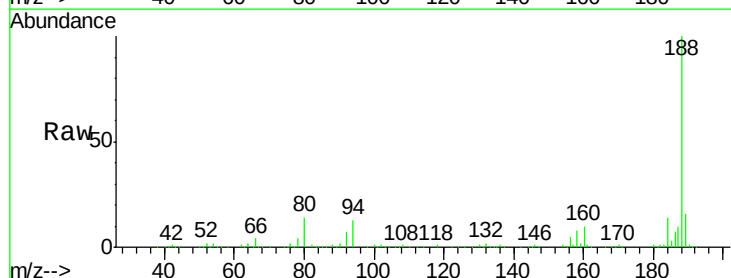
Tgt Ion:188 Resp: 529881

Ion Ratio Lower Upper

188 100

94 13.1 10.0 15.0

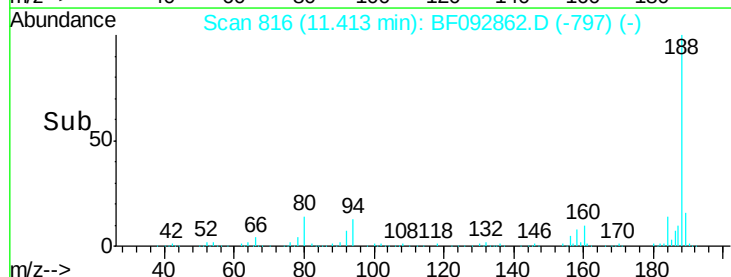
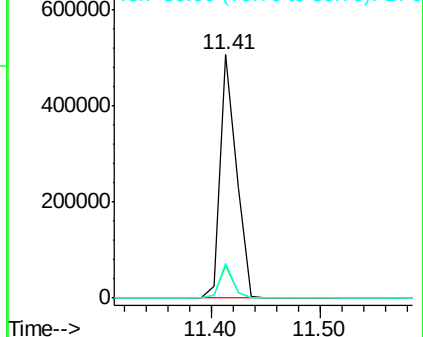
80 14.2 11.2 16.8

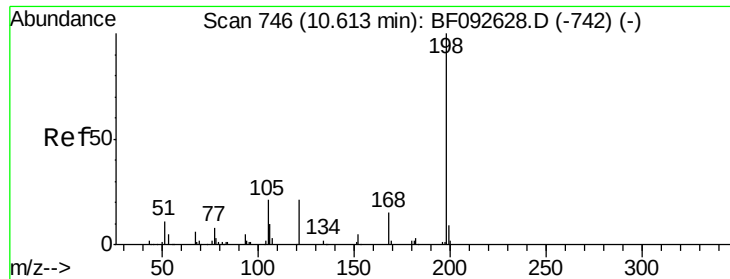


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

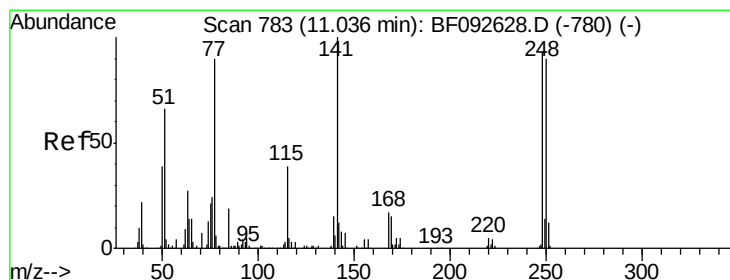
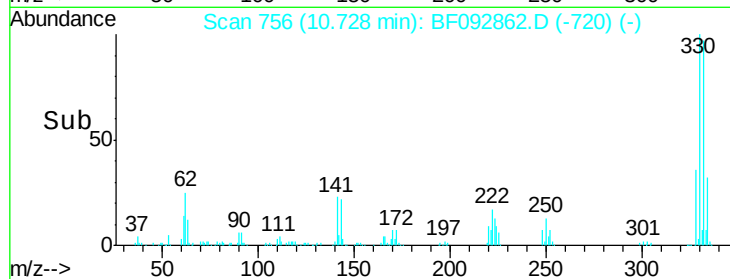
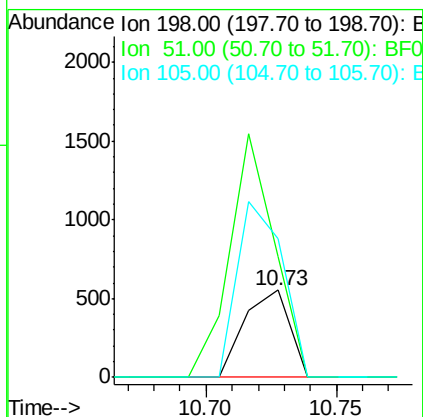
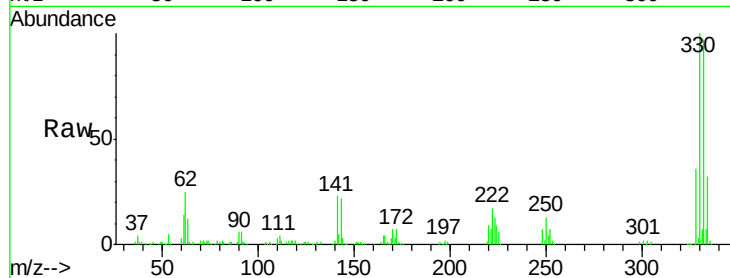




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.86 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.11 min
 Lab File: BF092862.D
 Acq: 8 Feb 2017 19:24

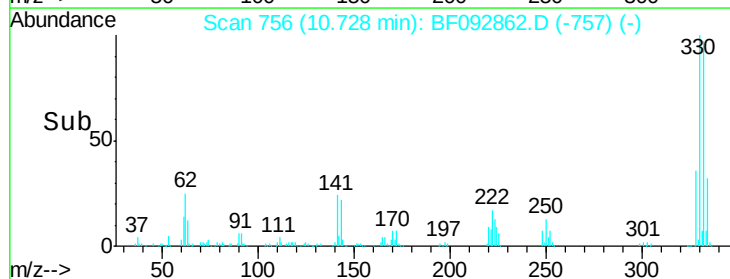
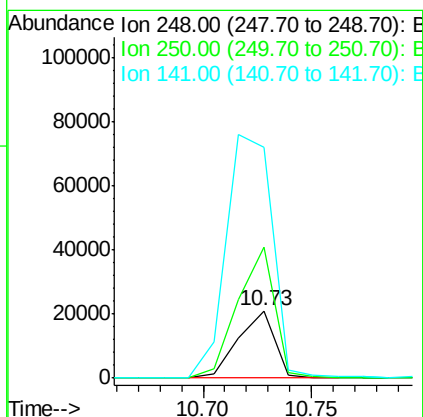
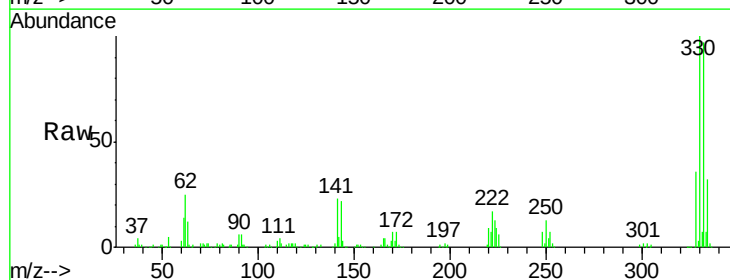
Instrument :
 BNA_F
 ClientSampleId :
 PB96817TB

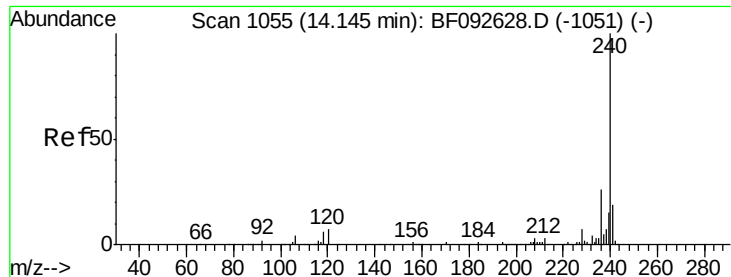
Tgt Ion:198 Resp: 669
 Ion Ratio Lower Upper
 198 100
 51 139.1 6.7 46.7#
 105 159.4 16.6 56.6#



#66
 4-Bromophenyl-phenylether
 Concen: 4.42 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.31 min
 Lab File: BF092862.D
 Acq: 8 Feb 2017 19:24

Tgt Ion:248 Resp: 24486
 Ion Ratio Lower Upper
 248 100
 250 195.5 76.9 115.3#
 141 343.4 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.09 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

Instrument :

BNA_F

ClientSampleId :

PB96817TB

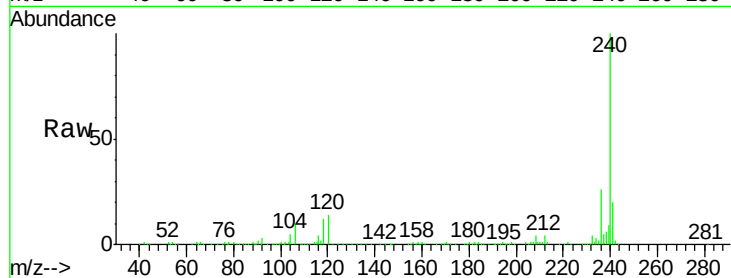
Tgt Ion:240 Resp: 500871

Ion Ratio Lower Upper

240 100

120 14.2 12.9 19.3

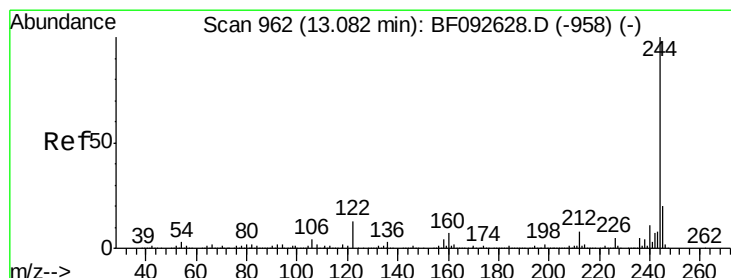
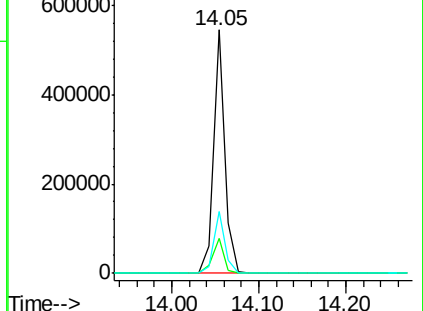
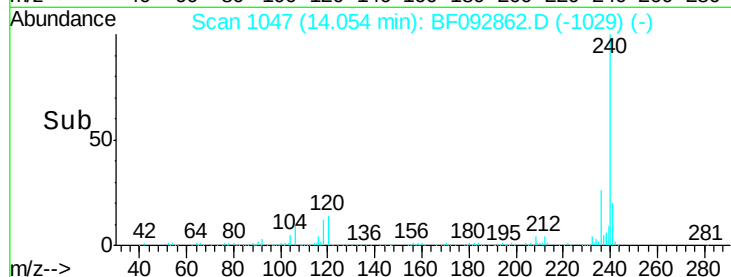
236 25.5 20.9 31.3



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: 76.79 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092862.D

Acq: 8 Feb 2017 19:24

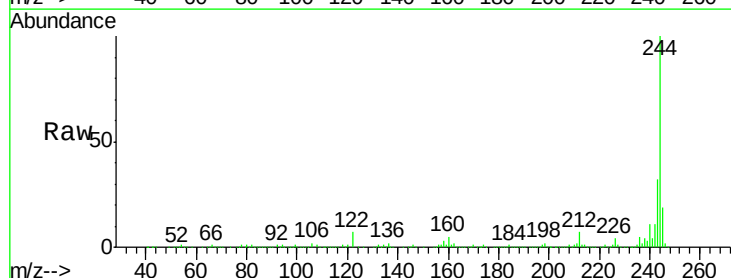
Tgt Ion:244 Resp: 1636843

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

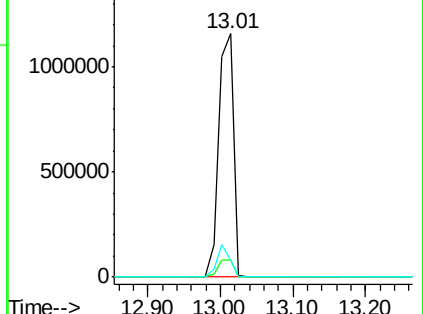
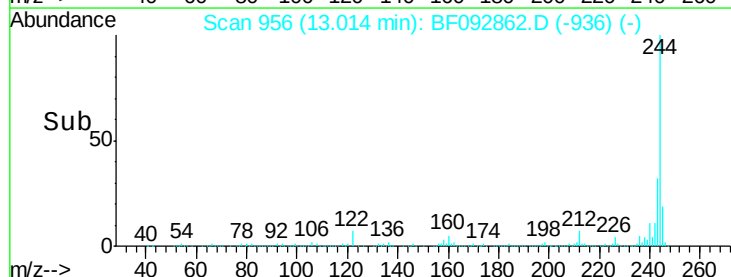
122 7.1 11.4 17.2#

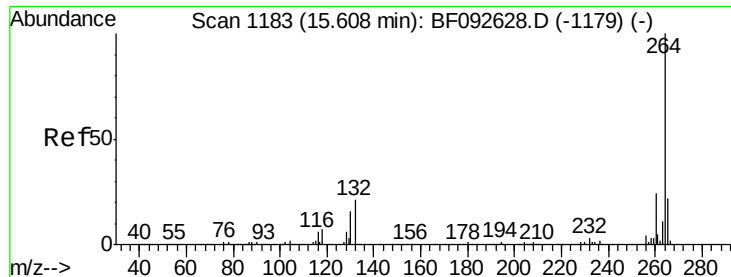


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

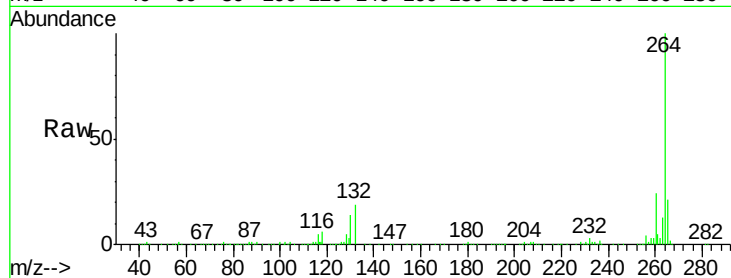




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.10 min
Lab File: BF092862.D
Acq: 8 Feb 2017 19:24

Instrument :
BNA_F
ClientSampleId :
PB96817TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	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

