

Data Path : Z:\HPCHEM1\BNA F\Data\BF013017\
 Data File : BF092676.D
 Acq On : 31 Jan 2017 11:45
 Operator : SJ/MA
 Sample : I1527-02RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Quant Time: Jan 31 12:11:59 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	6.96	152	179687	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	665280	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	332434	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	470380	20.00	ng	0.00
75) Chrysene-d12	14.13	240	395935	20.00	ng	-0.01
86) Perylene-d12	15.61	264	268548	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	1193610	113.96	ng	0.00
7) Phenol-d6	6.60	99	1344662	99.78	ng	0.00
23) Nitrobenzene-d5	7.53	82	756704	63.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	202866	84.37	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1365266	74.40	ng	0.00
78) Terphenyl-d14	13.08	244	956844	56.78	ng	0.00

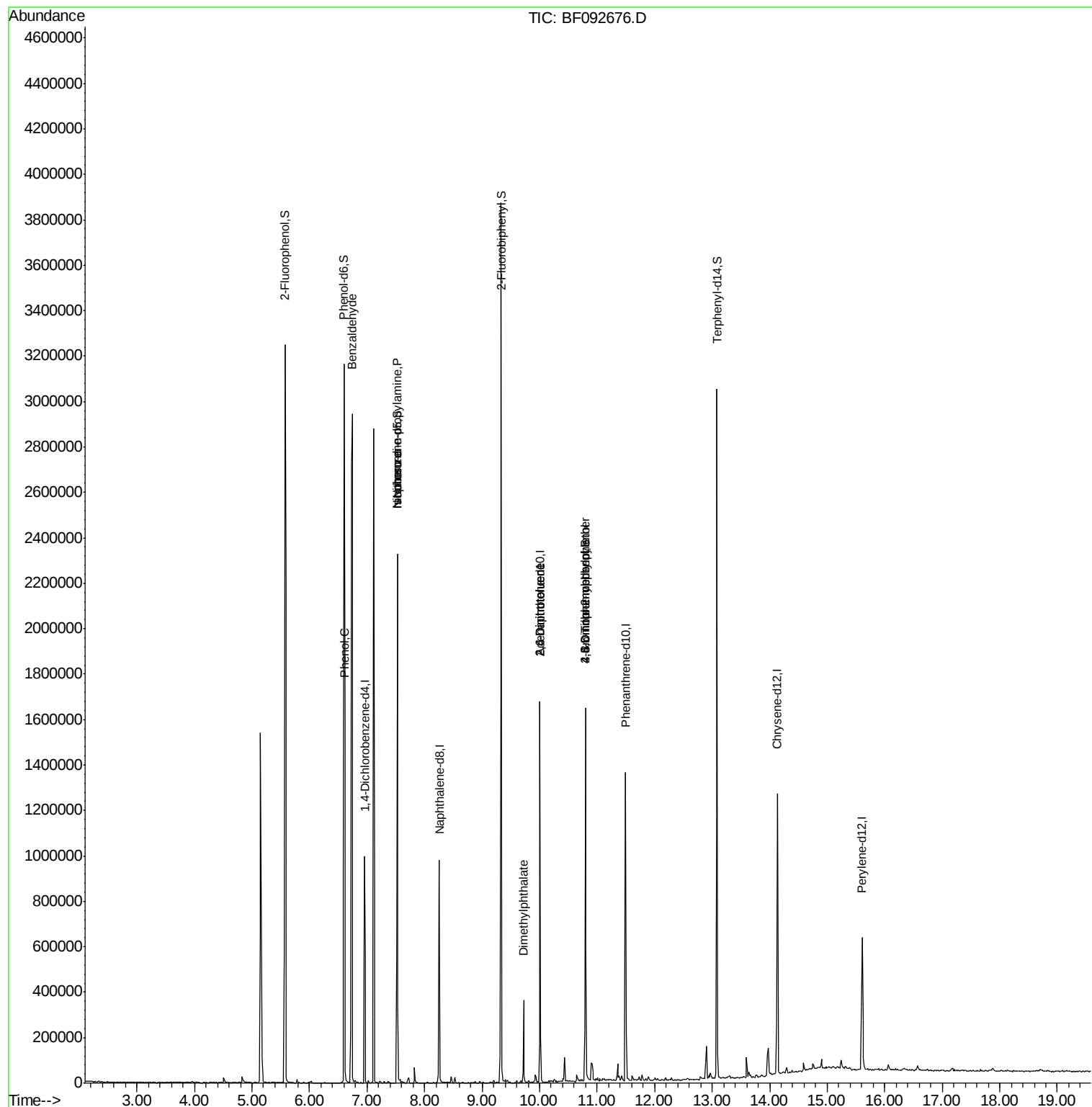
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	24030	2.49	ng	82
10) Phenol	6.61	94	57377	3.64	ng	94
19) n-Nitroso-di-n-propylamine	7.53	70	101203	11.80	ng	# 82
25) Isophorone	7.53	82	617355	27.73	ng	# 65
49) Dimethylphthalate	9.72	163	143340	6.40	ng	99
50) 2,6-Dinitrotoluene	10.01	165	43341	8.96	ng	# 30
56) 2,4-Dinitrotoluene	10.01	165	43332	6.73	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	424	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	14289	2.91	ng	# 1

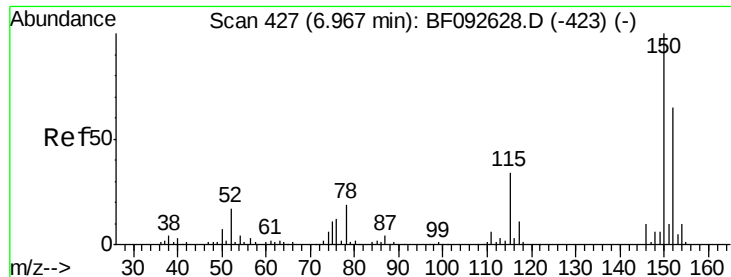
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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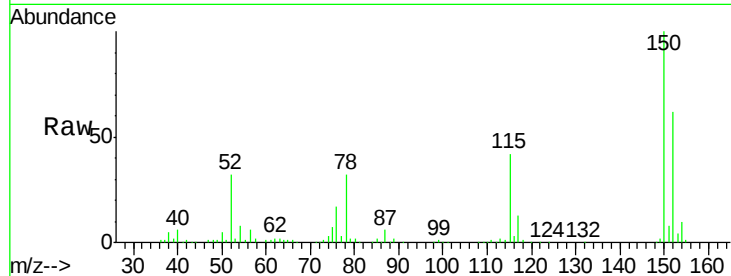


#1

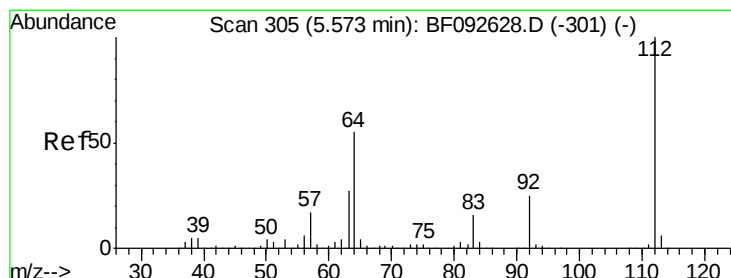
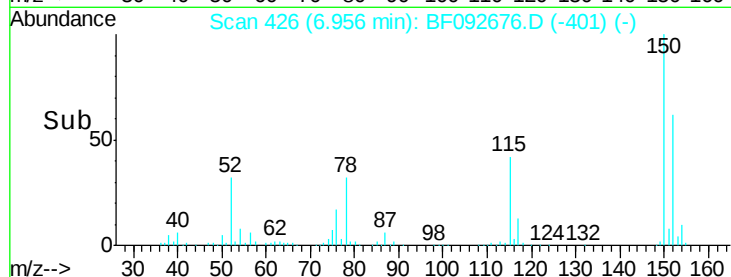
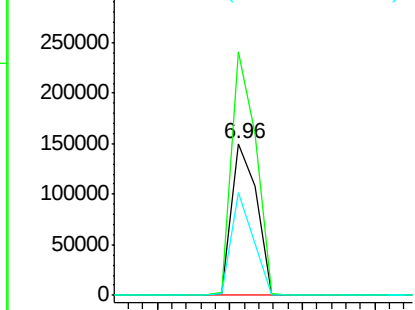
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BF092676.D
 Acq: 31 Jan 2017 11:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tot Ion:152 Resp: 179687
 Ion Ratio Lower Upper
 152 100
 150 160.1 124.9 187.3
 115 67.5 46.0 69.0



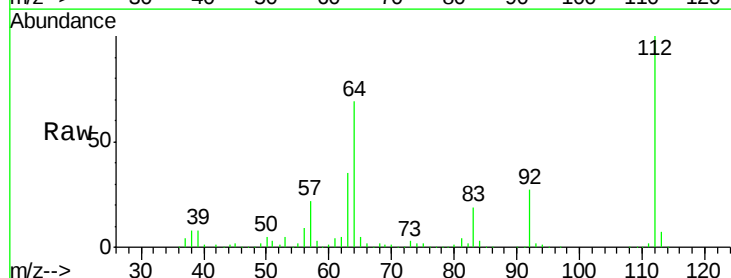
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



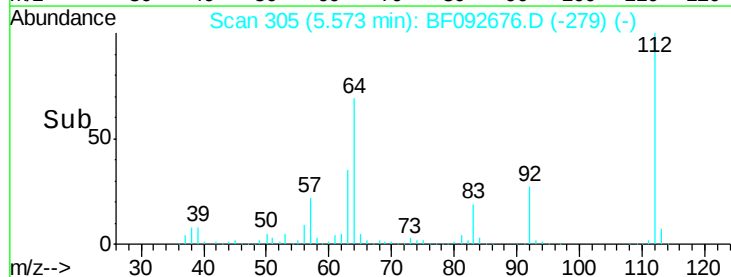
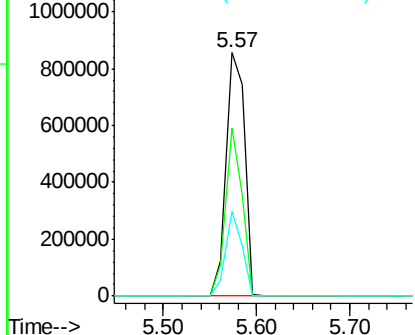
#5

2-Fluorophenol
 Concen: 113.96 ng
 RT: 5.57 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: BF092676.D
 Acq: 31 Jan 2017 11:45

Tgt Ion:112 Resp: 1193610
 Ion Ratio Lower Upper
 112 100
 64 69.3 46.1 69.1#
 63 34.9 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: 99.78 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

Instrument :

BNA_F

ClientSampled :

SB-01-COMP

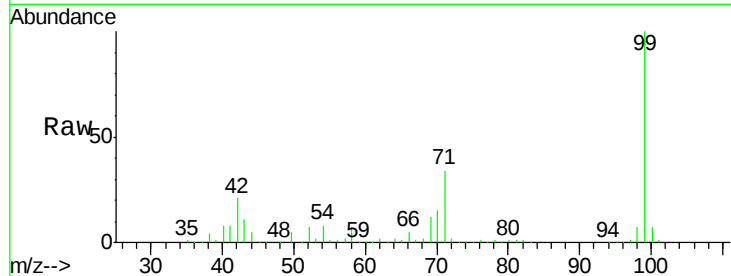
Tot Ion: 99 Resp: 1344662

Ion Ratio Lower Upper

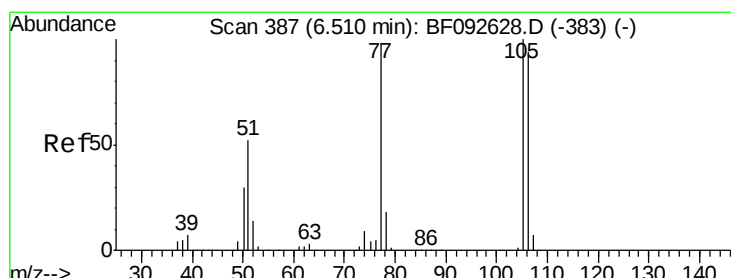
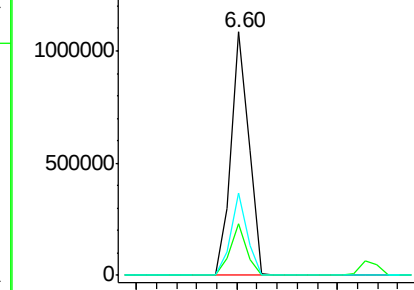
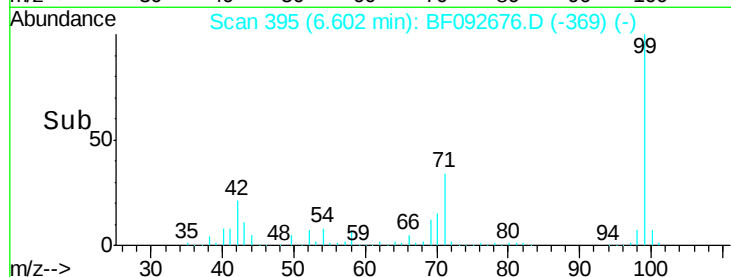
99 100

42 21.1 15.6 23.4

71 33.6 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: 2.49 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.23 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

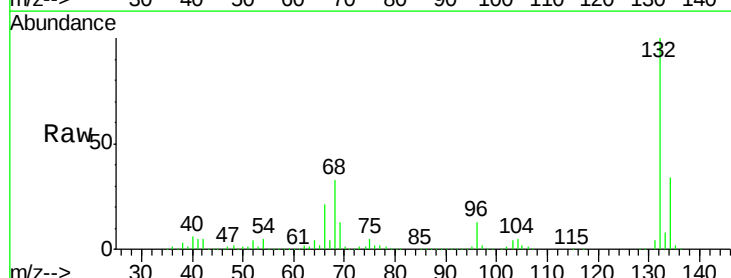
Tgt Ion: 77 Resp: 24030

Ion Ratio Lower Upper

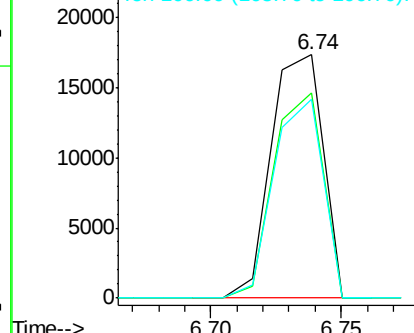
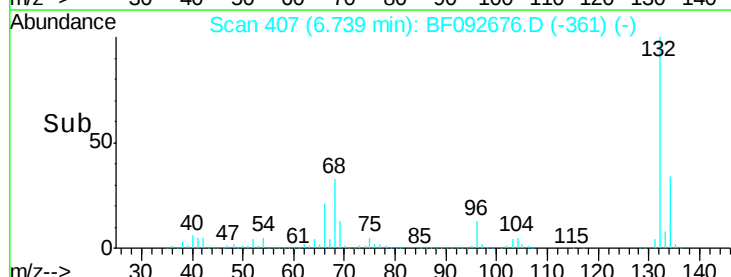
77 100

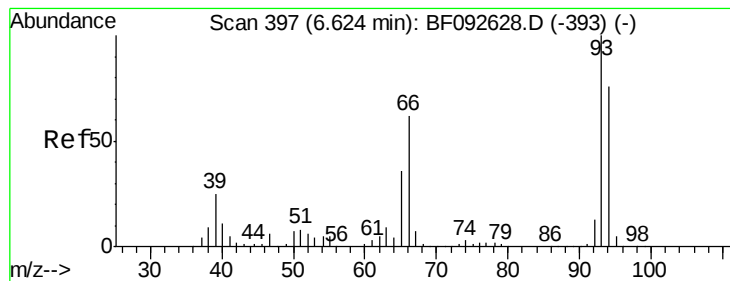
105 84.5 83.9 123.9

106 81.8 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.64 ng

RT: 6.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

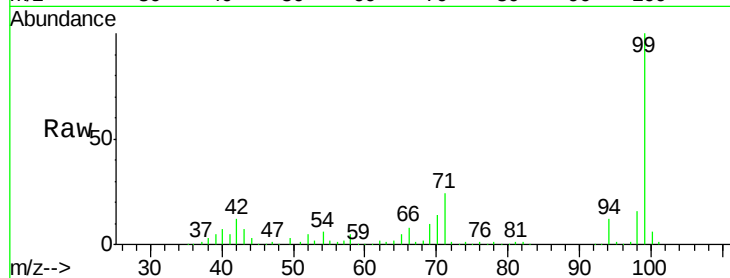
Tot Ion: 94 Resp: 57377

Ion Ratio Lower Upper

94 100

65 39.7 21.4 61.4

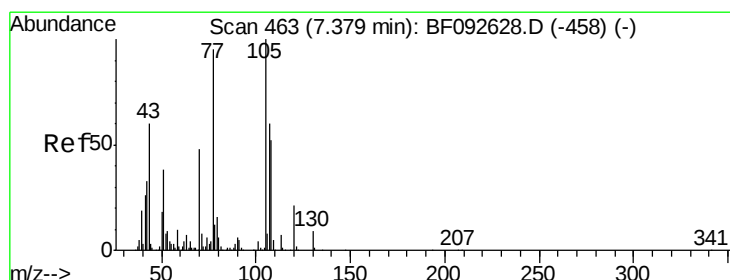
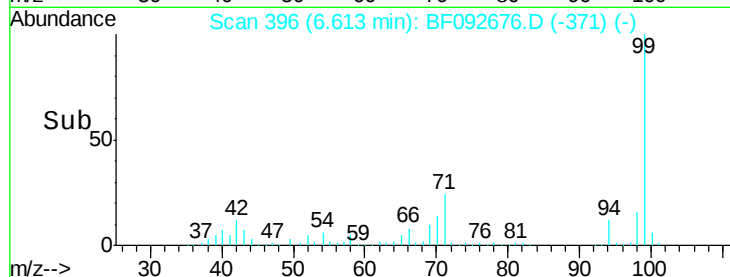
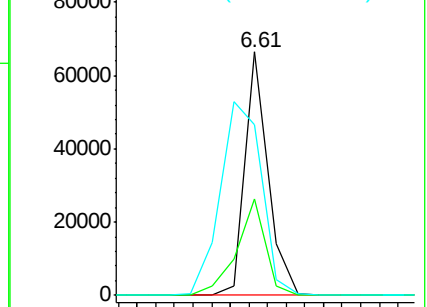
66 70.3 44.0 84.0



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: 11.80 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.15 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

Tgt Ion: 70 Resp: 101203

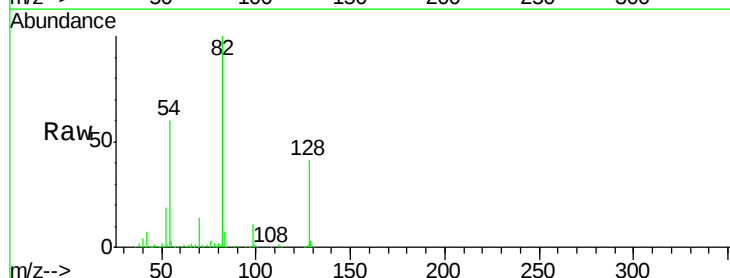
Ion Ratio Lower Upper

70 100

42 52.6 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

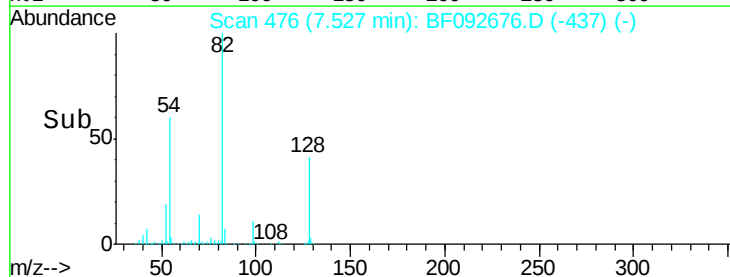
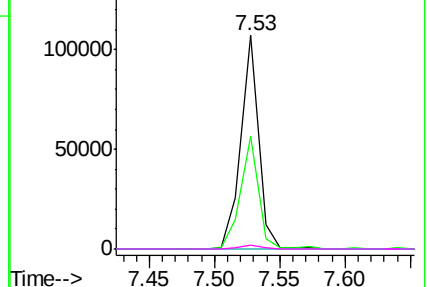


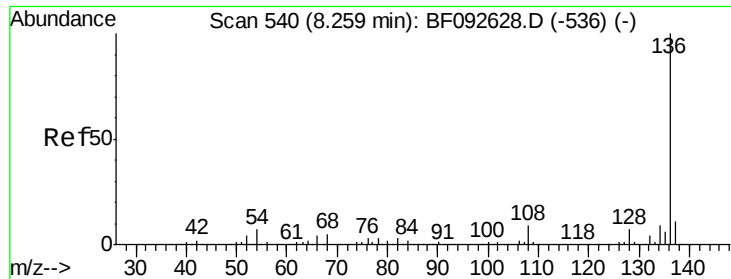
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

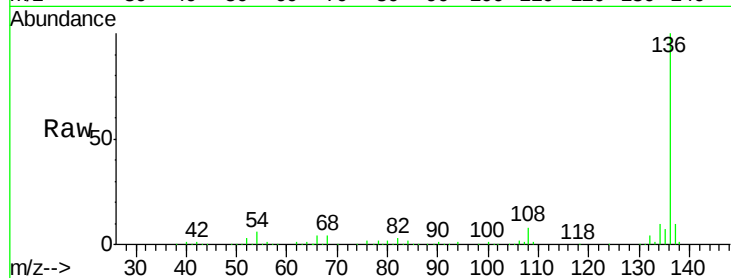




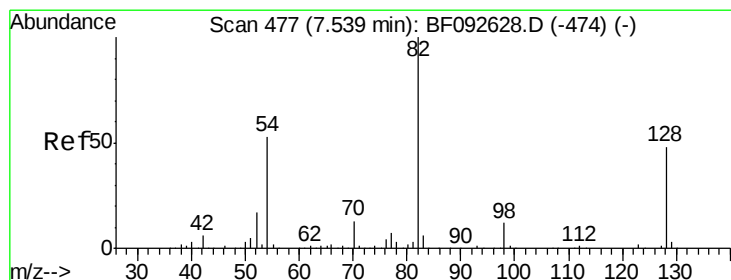
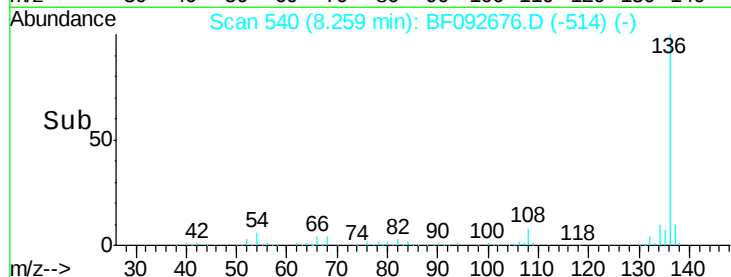
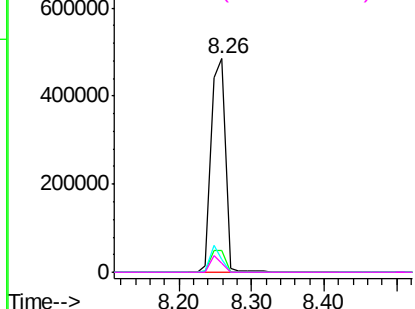
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF092676.D
Acq: 31 Jan 2017 11:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion:136	Resp:	665280
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.4 12.6
54	6.3	4.5 6.7
68	4.4	3.6 5.4

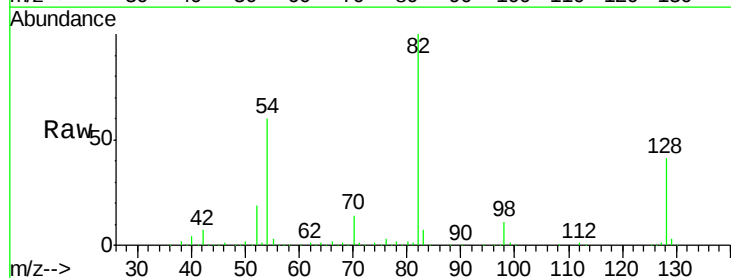


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

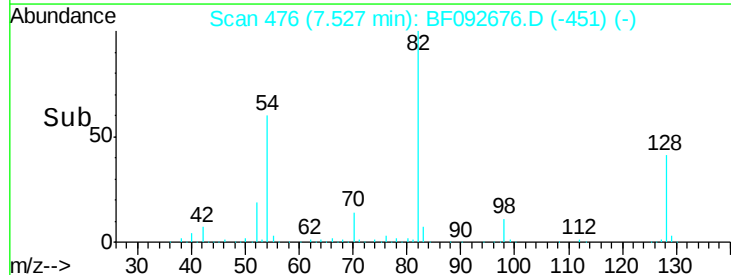
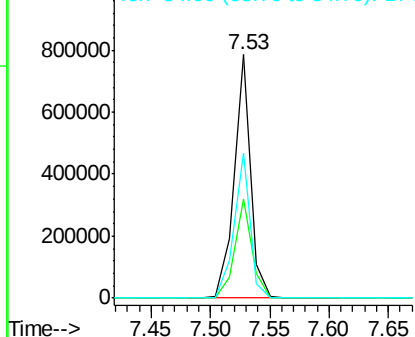


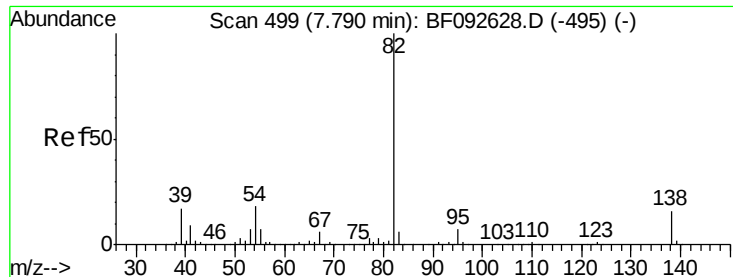
#23
Nitrobenzene-d5
Concen: 63.34 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092676.D
Acq: 31 Jan 2017 11:45

Tgt Ion: 82	Resp:	756704
Ion Ratio	Lower	Upper
82	100	
128	40.8	34.6 52.0
54	59.6	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: 27.73 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.26 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

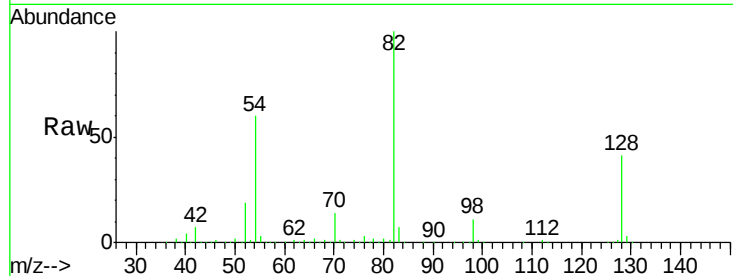
Tot Ion: 82 Resp: 617355

Ion Ratio Lower Upper

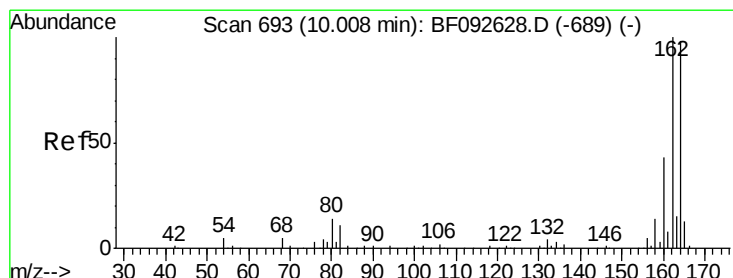
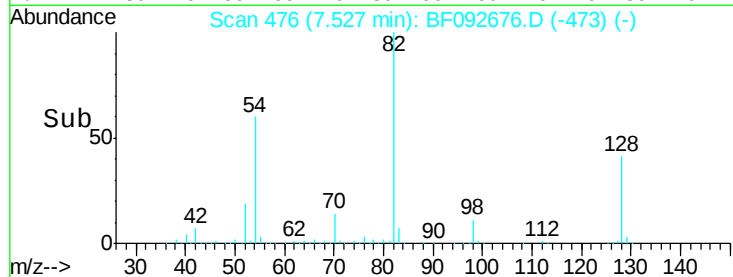
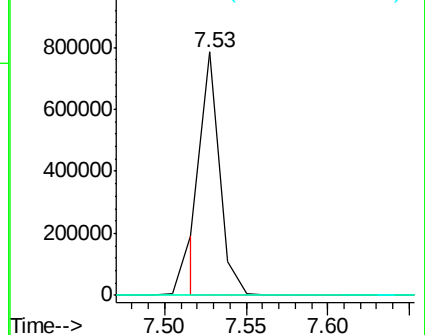
82 100

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: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

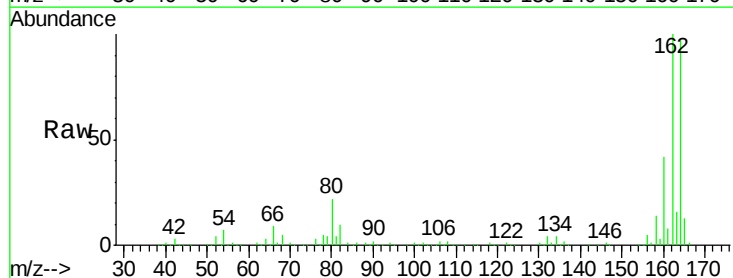
Tgt Ion:164 Resp: 332434

Ion Ratio Lower Upper

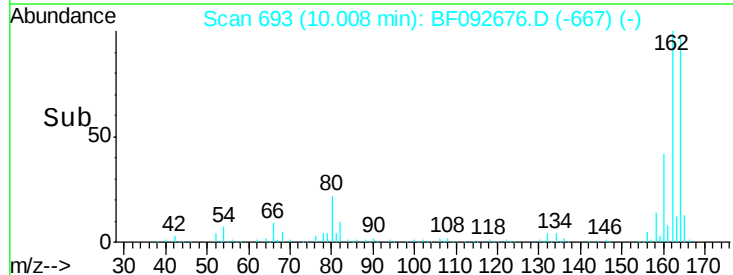
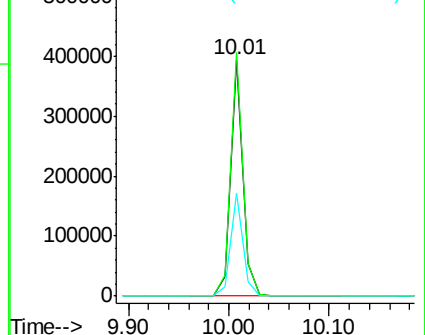
164 100

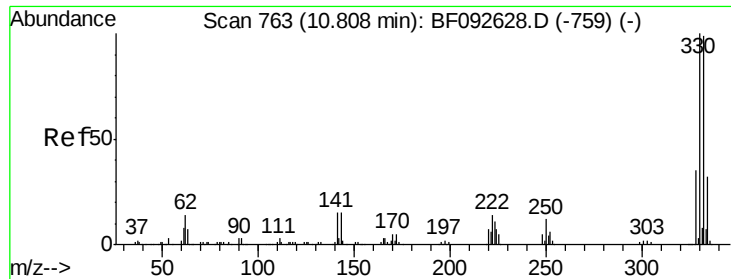
162 103.1 80.2 120.2

160 43.8 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

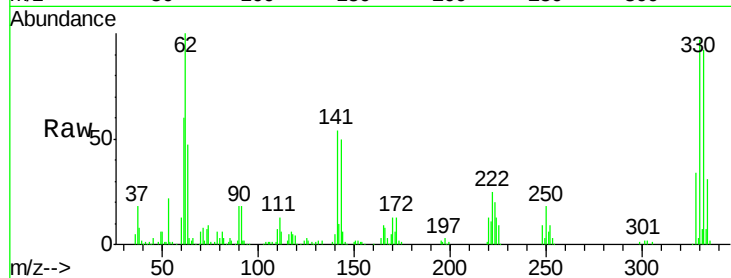




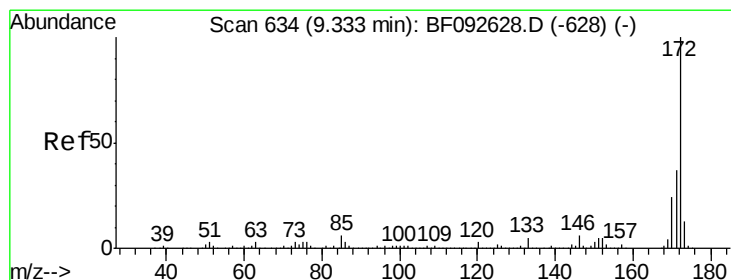
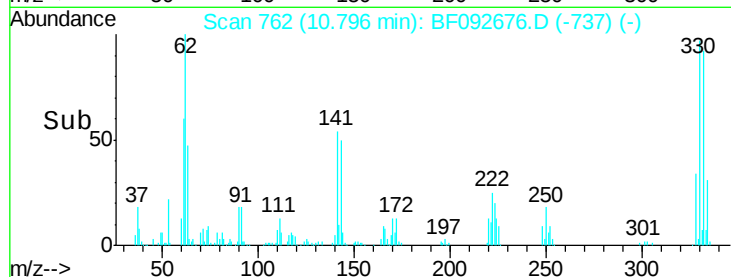
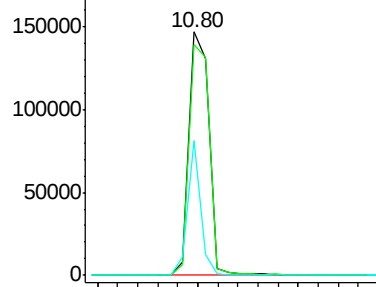
#41
 2,4,6-Tribromophenol
 Concen: 84.37 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092676.D
 Acq: 31 Jan 2017 11:45

Instrument :
 BNA_F
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 SB-01-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	36.1	34.1	51.1

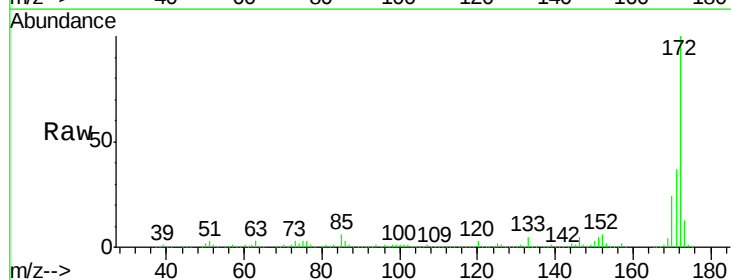


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

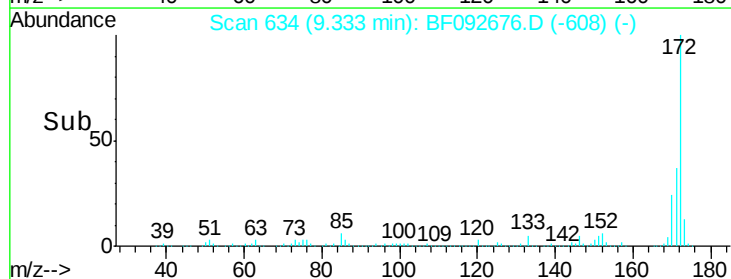
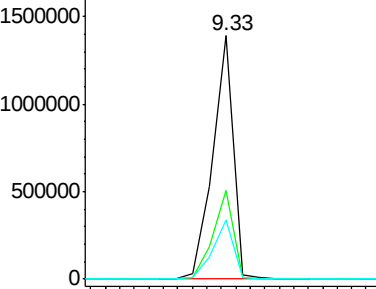


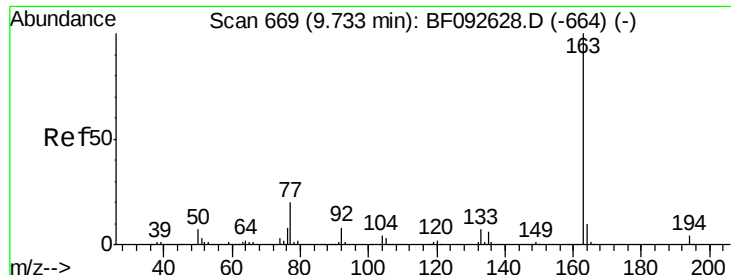
#44
 2-Fluorobiphenyl
 Concen: 74.40 ng
 RT: 9.33 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF092676.D
 Acq: 31 Jan 2017 11:45

Tgt 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

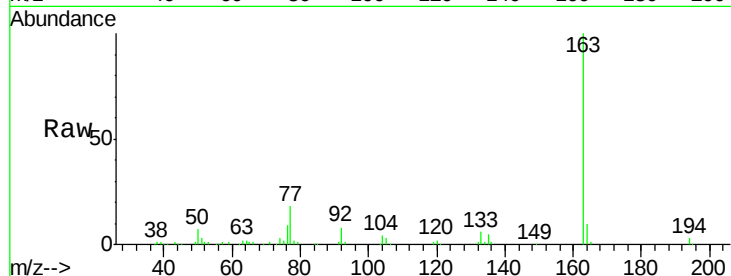




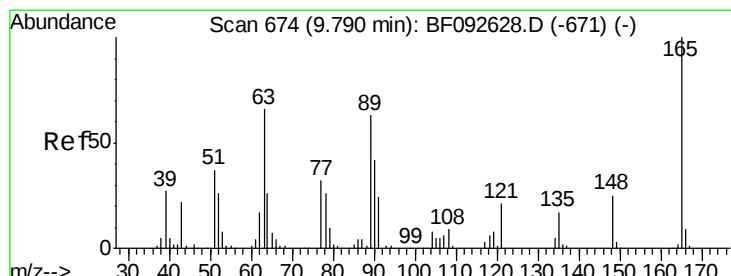
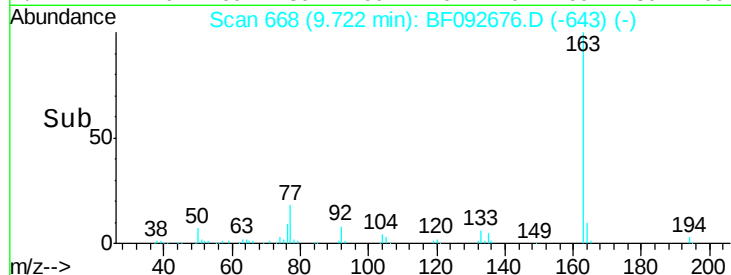
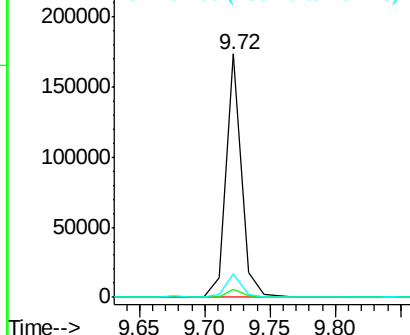
#49
Dimethylphthalate
Concen: 6.40 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF092676.D
Acq: 31 Jan 2017 11:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion:163 Resp: 143340
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.6 8.0 12.0

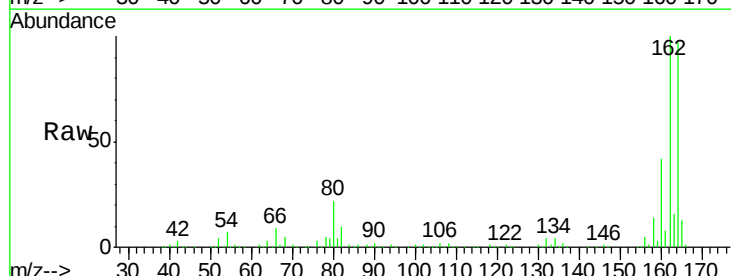


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

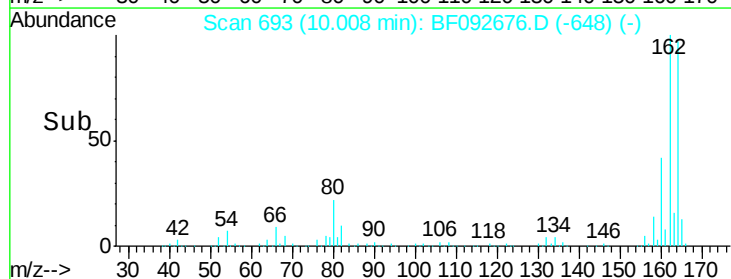
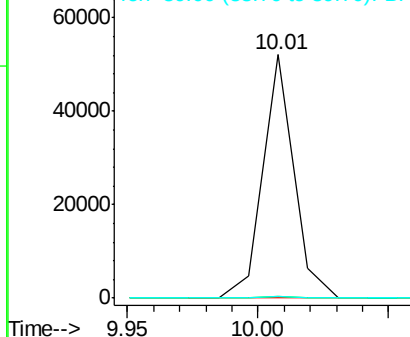


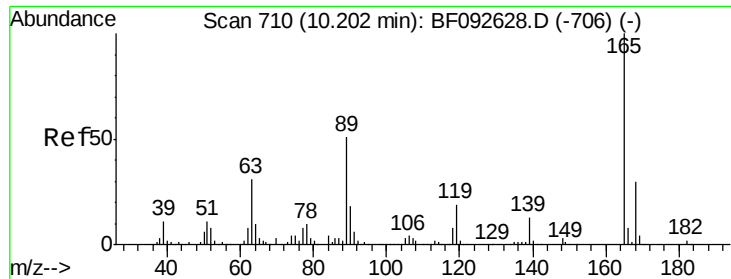
#50
2,6-Dinitrotoluene
Concen: 8.96 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.22 min
Lab File: BF092676.D
Acq: 31 Jan 2017 11:45

Tgt Ion:165 Resp: 43341
Ion Ratio Lower Upper
165 100
63 0.9 36.2 54.4#
89 0.9 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

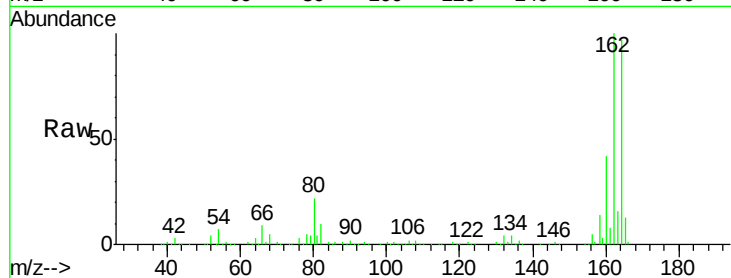




#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.19 min
 Lab File: BF092676.D
 Acq: 31 Jan 2017 11:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	0.9	62.5	93.7#
182	0.0	1.8	2.8#

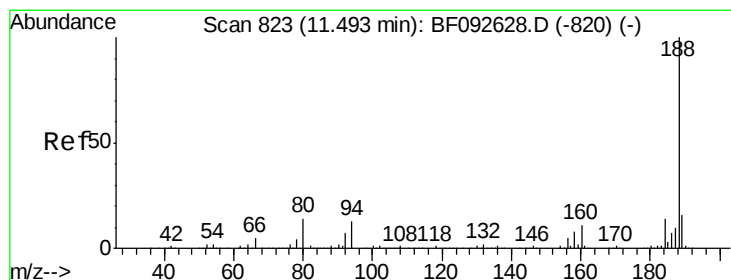
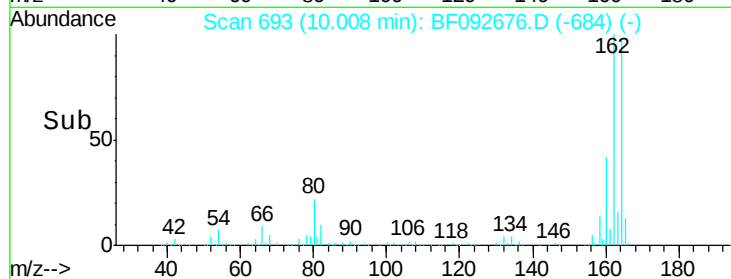
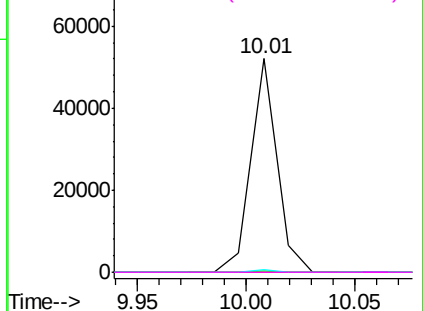


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

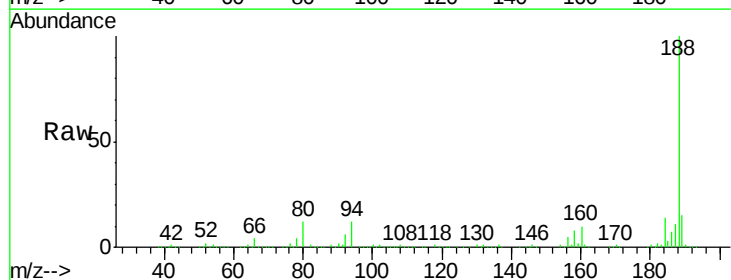
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF092676.D
 Acq: 31 Jan 2017 11:45

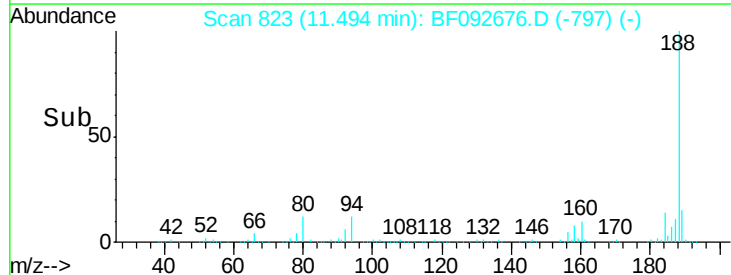
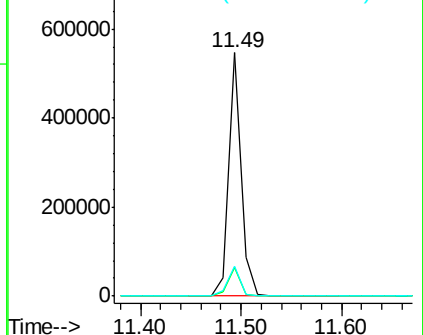
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	10.0	15.0
80	12.3	11.2	16.8

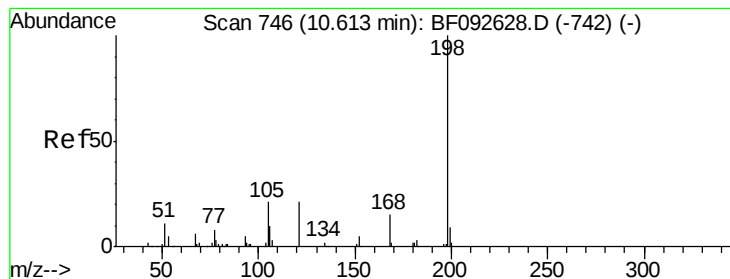


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.81 ng

RT: 10.80 min Scan# 762

Delta R.T. 0.18 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

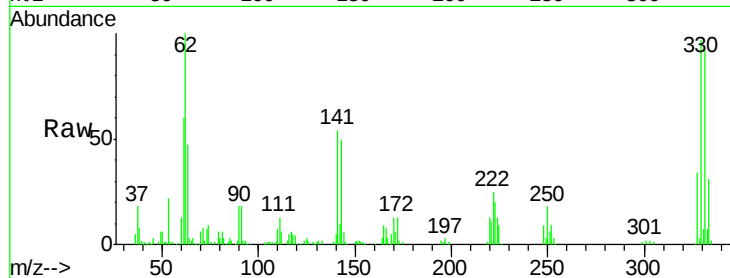
Tot Ion:198 Resp: 424

Ion Ratio Lower Upper

198 100

51 235.6 6.7 46.7#

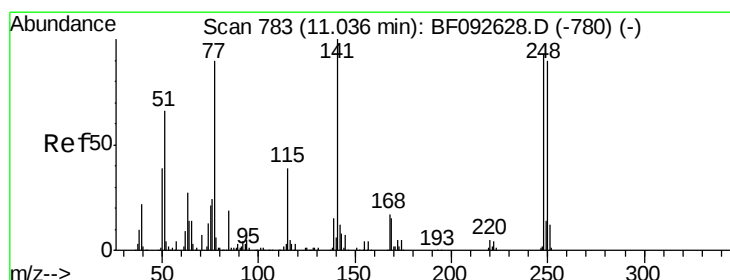
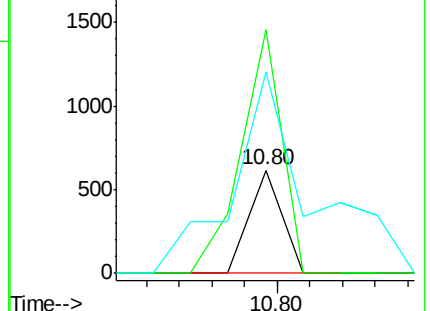
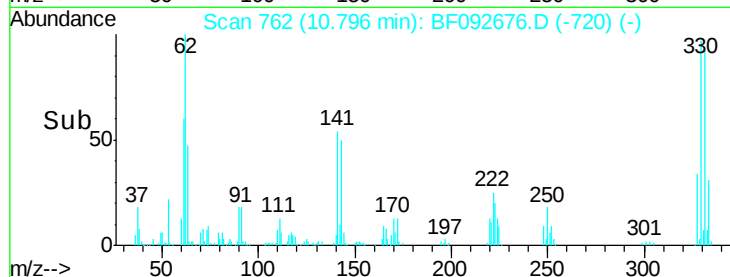
105 194.7 16.6 56.6#



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: 2.91 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

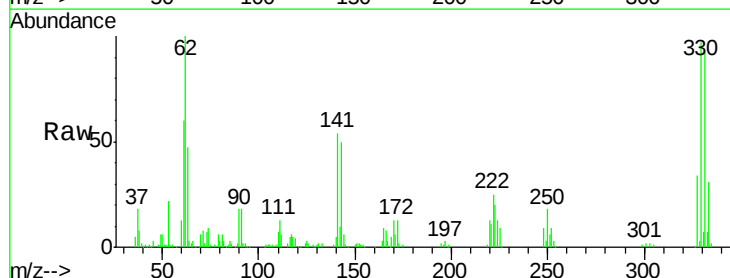
Tgt Ion:248 Resp: 14289

Ion Ratio Lower Upper

248 100

250 196.9 76.9 115.3#

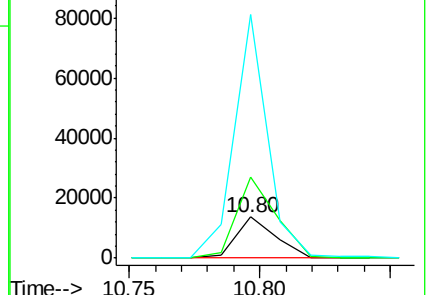
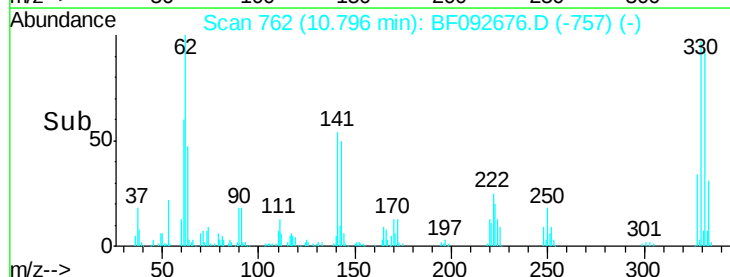
141 593.3 68.2 102.4#

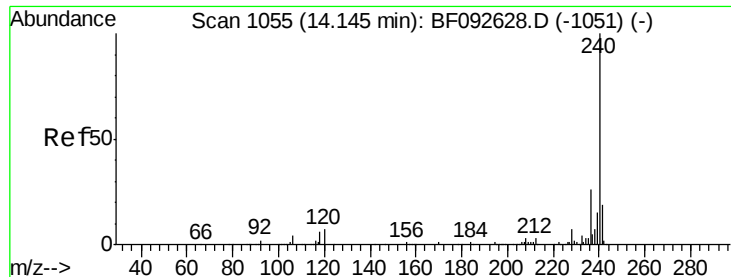


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.13 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

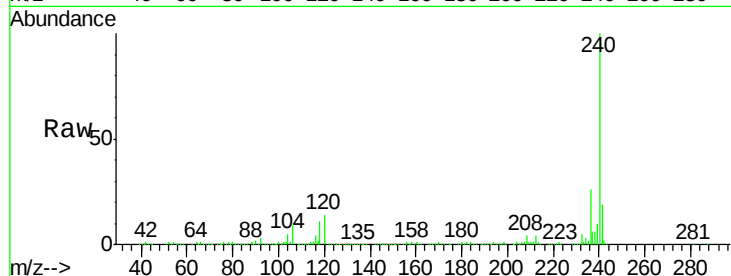
Tot Ion:240 Resp: 395935

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

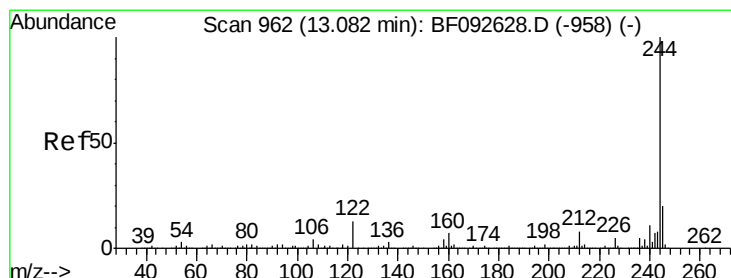
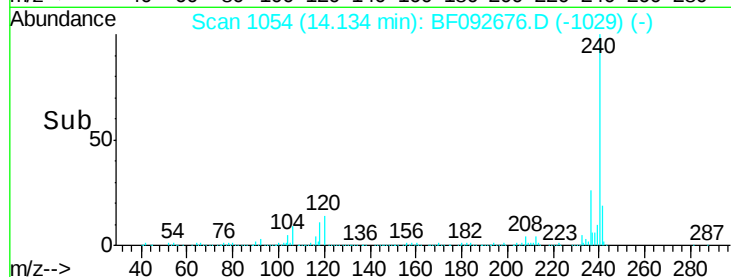
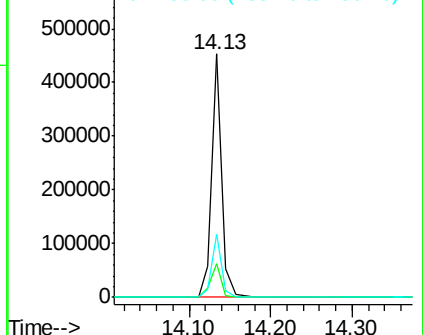
236 26.2 20.9 31.3



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: 56.78 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF092676.D

Acq: 31 Jan 2017 11:45

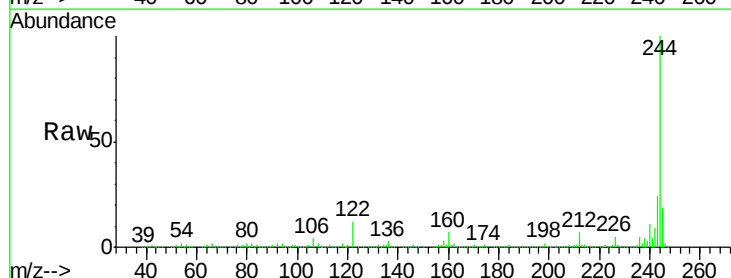
Tgt Ion:244 Resp: 956844

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

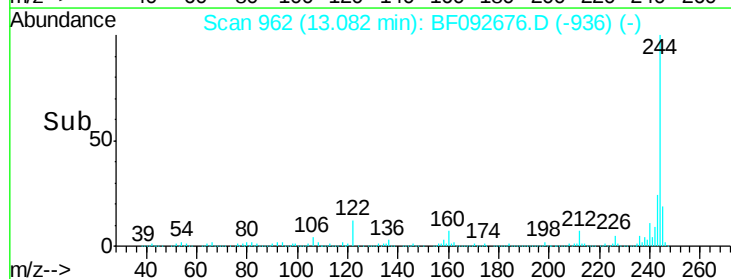
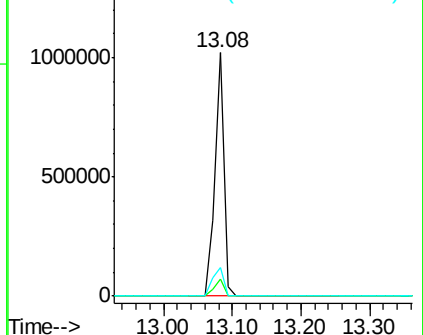
122 11.6 11.4 17.2

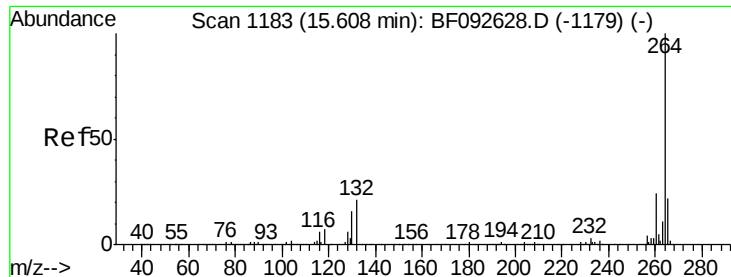


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



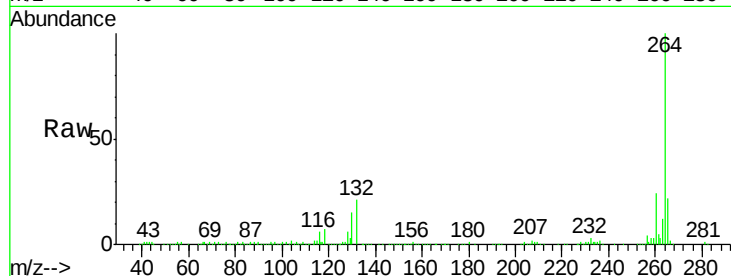


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF092676.D
Acq: 31 Jan 2017 11:45

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion: 264 Resp: 268548

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	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

