

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013117\
 Data File : BF092691.D
 Acq On : 31 Jan 2017 19:57
 Operator : SJ/MA
 Sample : I1593-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Quant Time: Feb 01 00:21:04 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

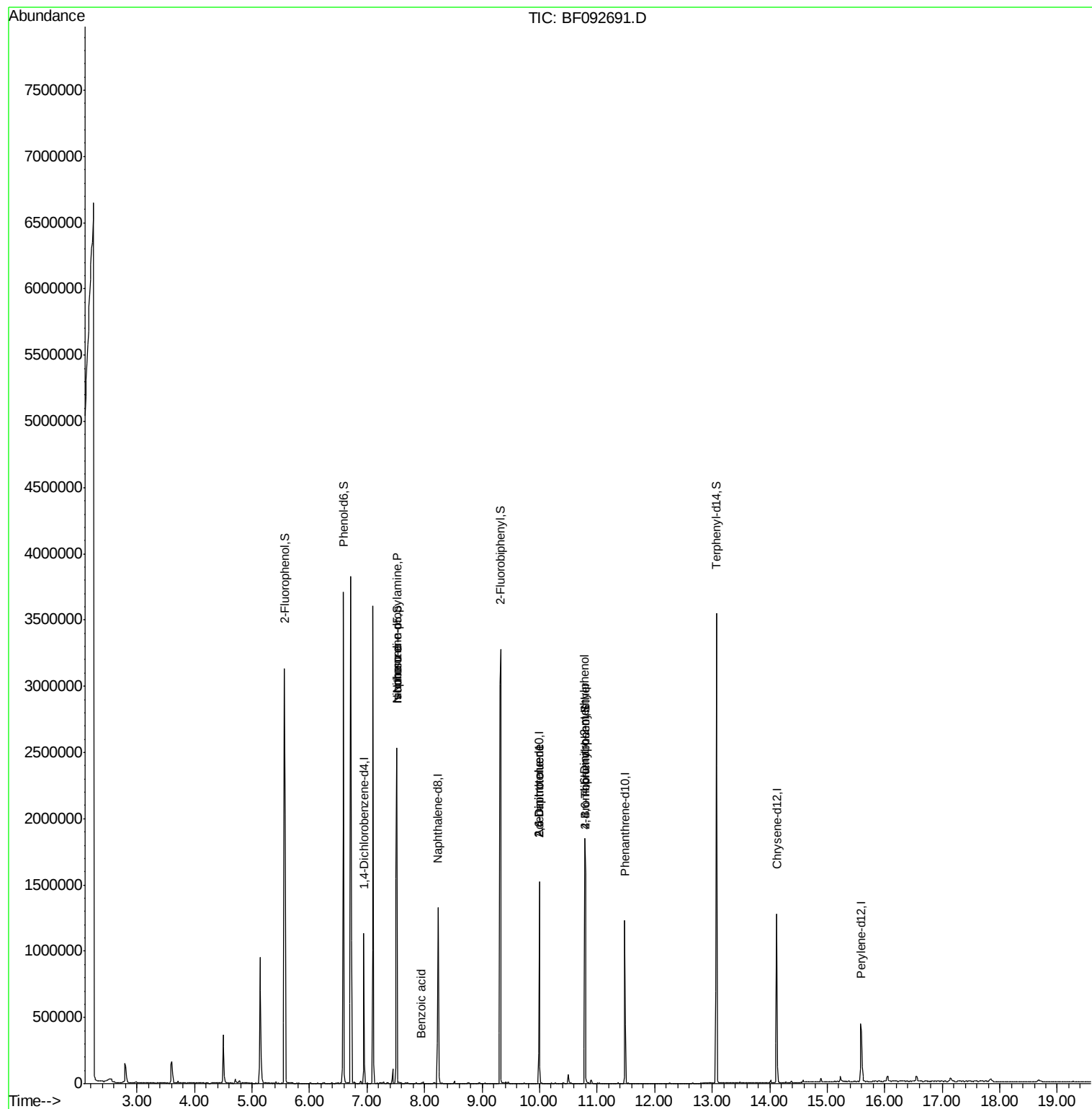
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	149761	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	583408	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	304608	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	479432	20.00	ng	-0.01
75) Chrysene-d12	14.12	240	423589	20.00	ng	-0.02
86) Perylene-d12	15.59	264	191702	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1109216	127.07	ng	-0.01
7) Phenol-d6	6.59	99	1376767	122.58	ng	-0.01
23) Nitrobenzene-d5	7.52	82	979235	93.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	329336	149.49	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1617501	96.20	ng	-0.01
78) Terphenyl-d14	13.07	244	1526408	84.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	132843	18.58	ng	# 77
25) Isophorone	7.52	82	950753	48.70	ng	# 65
32) Benzoic acid	7.94	122	766	7.29	ng	# 81
50) 2,6-Dinitrotoluene	10.00	165	39189	8.84	ng	# 30
56) 2,4-Dinitrotoluene	10.00	165	39182	6.64	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.78	198	807	2.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	23577	4.71	ng	# 1

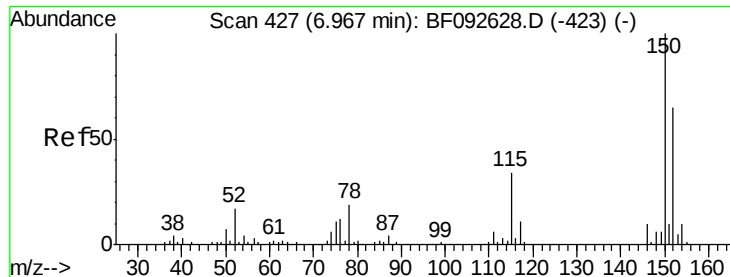
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Instrument :

BNA_F

ClientSampleId :

B2-7

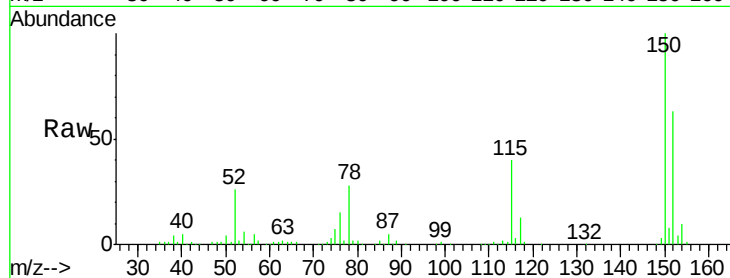
Tgt Ion:152 Resp: 149761

Ion Ratio Lower Upper

152 100

150 159.4 124.9 187.3

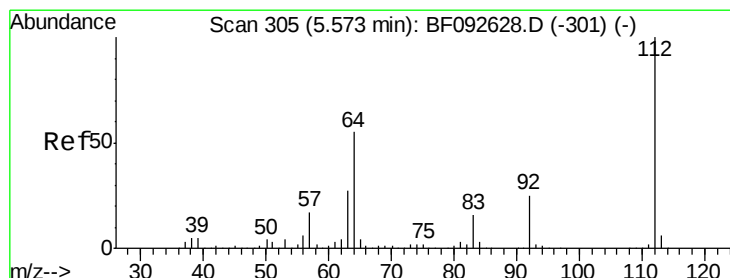
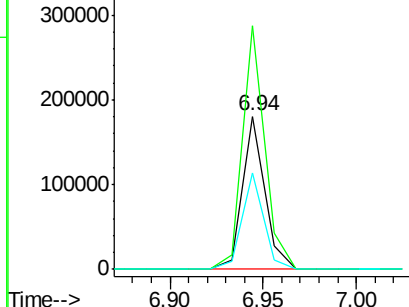
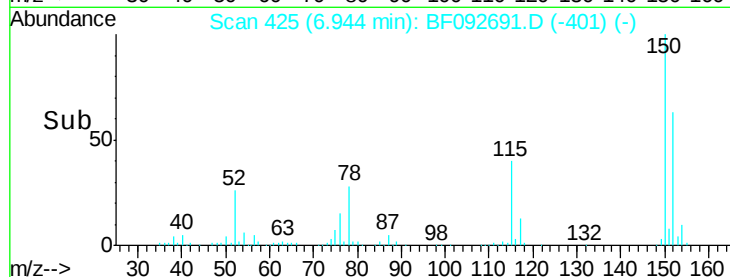
115 63.5 46.0 69.0



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: 127.07 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

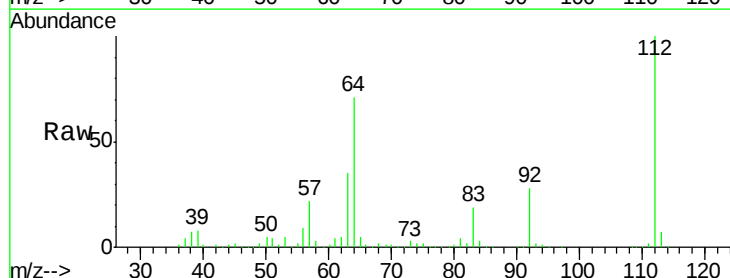
Tgt Ion:112 Resp: 1109216

Ion Ratio Lower Upper

112 100

64 70.5 46.1 69.1#

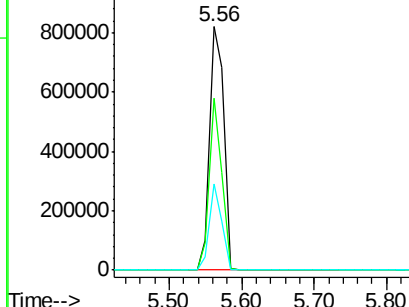
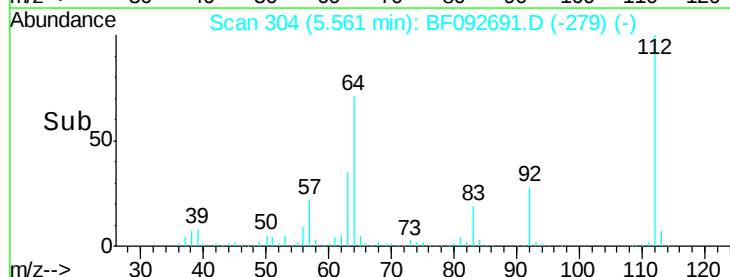
63 35.4 23.8 35.6



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: 122.58 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Instrument :

BNA_F

ClientSampleId :

B2-7

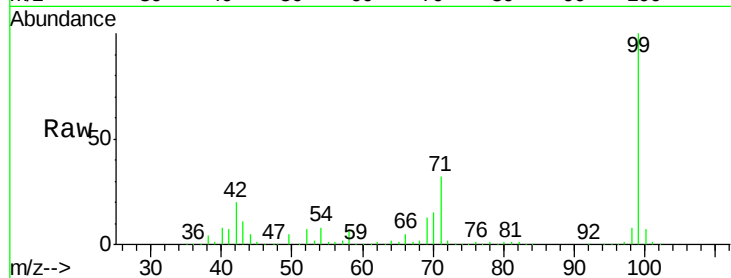
Tgt Ion: 99 Resp: 1376767

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

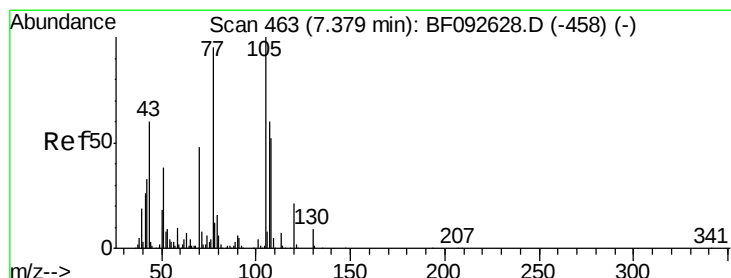
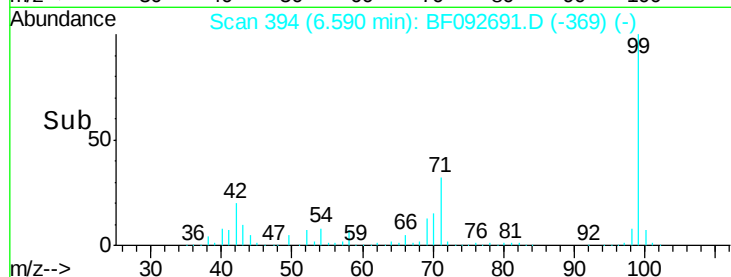
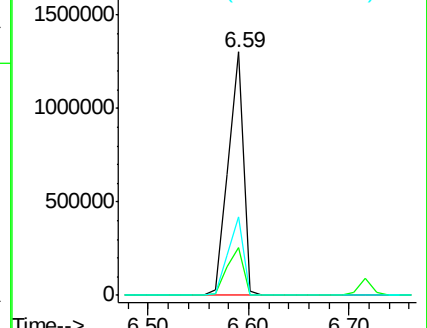
71 32.3 27.5 41.3



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: 18.58 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Tgt Ion: 70 Resp: 132843

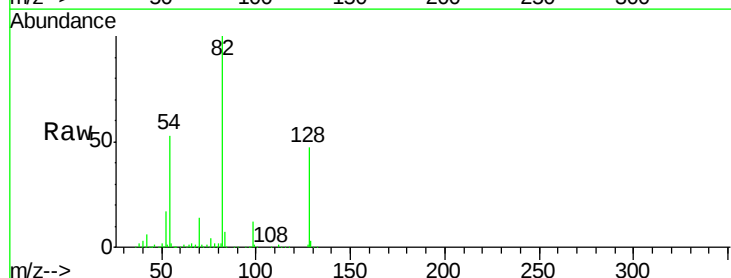
Ion Ratio Lower Upper

70 100

42 46.8 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

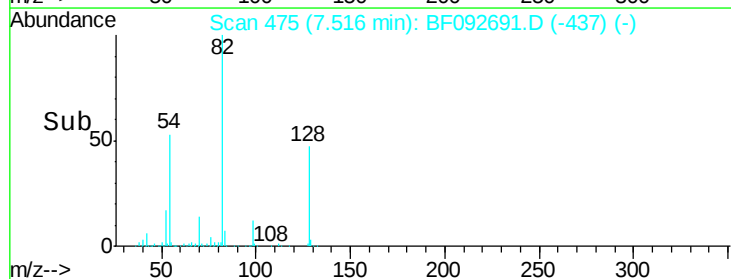
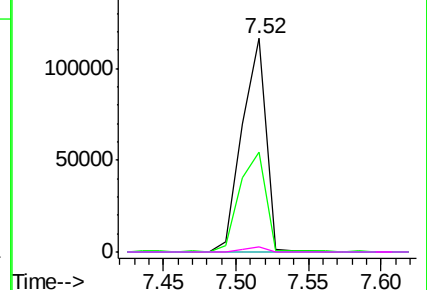


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

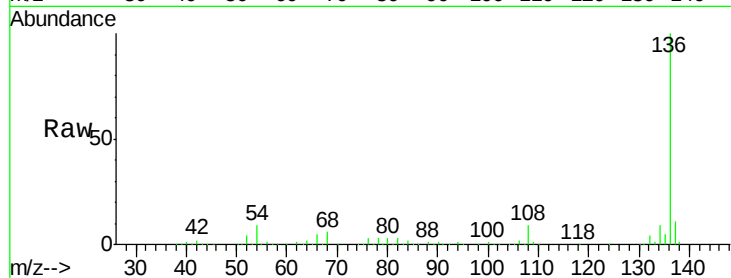




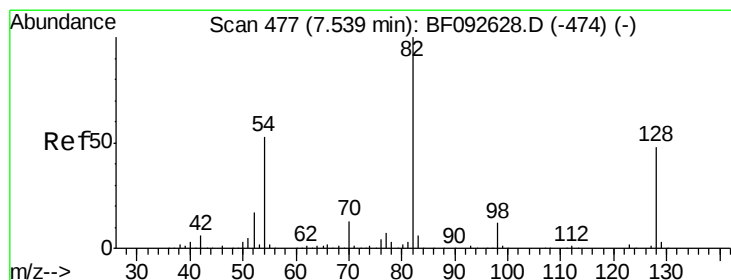
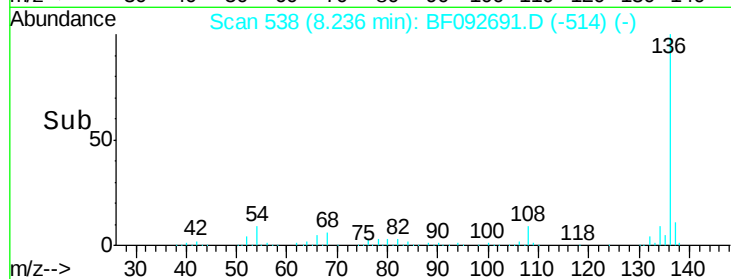
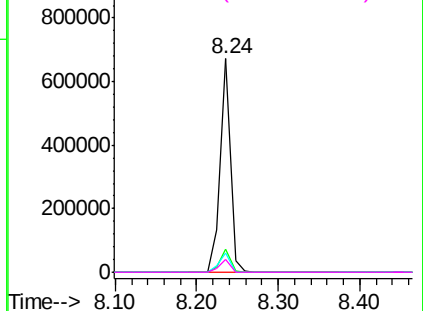
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF092691.D
Acq: 31 Jan 2017 19:57

Instrument :
BNA_F
ClientSampleId :
B2-7

Tgt Ion:	136	Resp:	583408
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.8	4.5	6.7#
68	5.9	3.6	5.4#

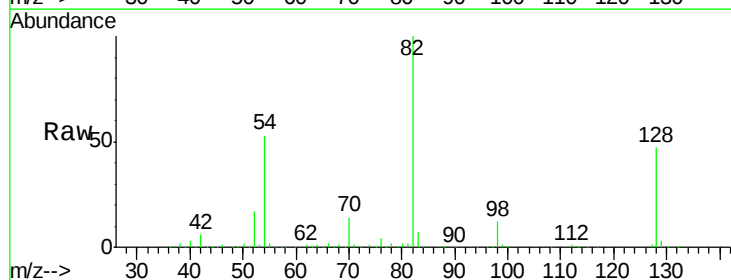


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

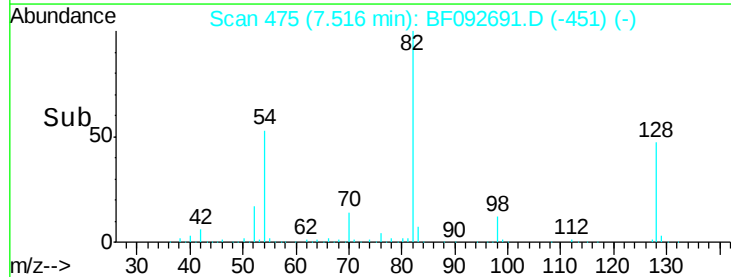
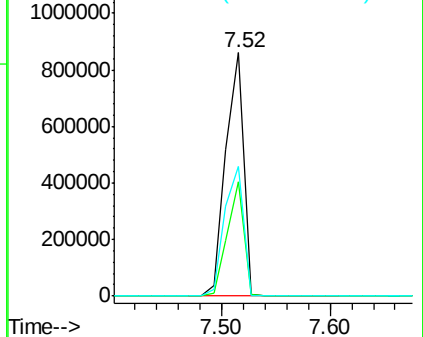


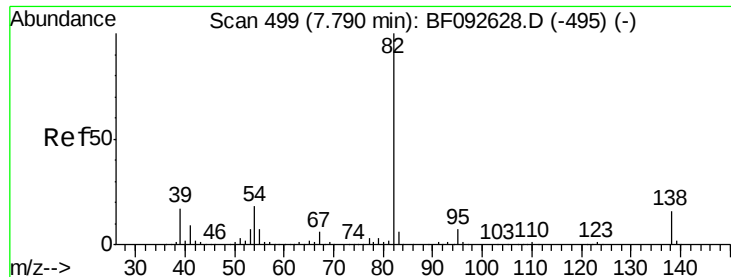
#23
Nitrobenzene-d5
Concen: 93.47 ng
RT: 7.52 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF092691.D
Acq: 31 Jan 2017 19:57

Tgt Ion:	82	Resp:	979235
Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.6	52.0
54	53.2	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: 48.70 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Instrument :

BNA_F

ClientSampleId :

B2-7

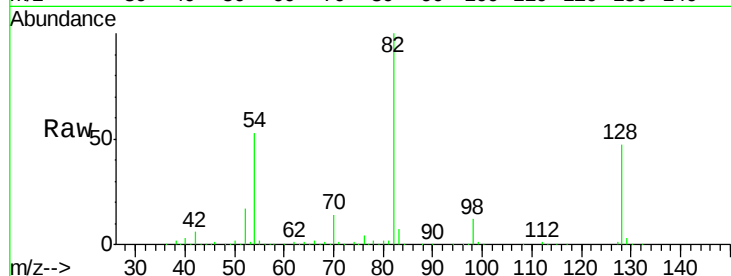
Tgt Ion: 82 Resp: 950753

Ion Ratio Lower Upper

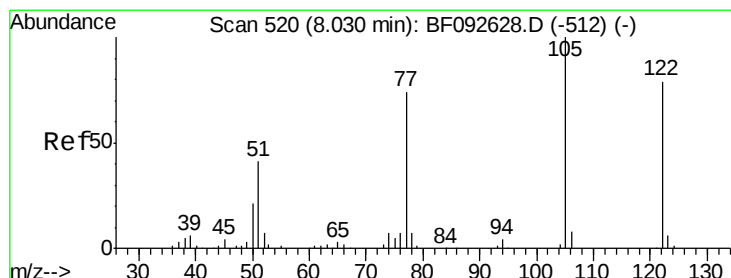
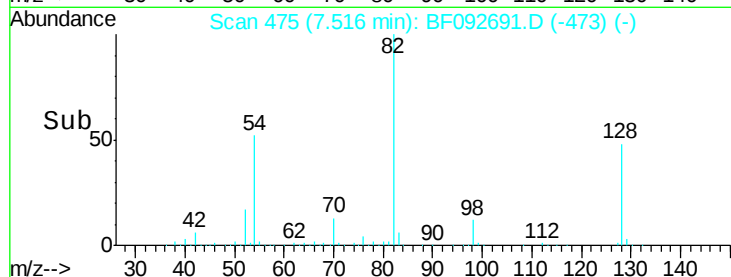
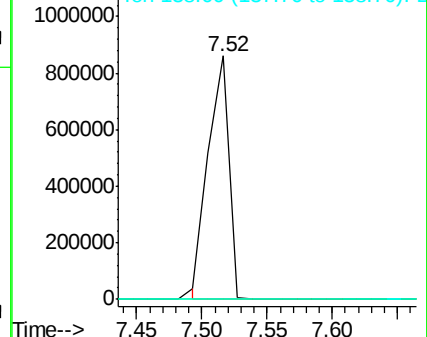
82 100

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



#32

Benzoic acid

Concen: 7.29 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.09 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

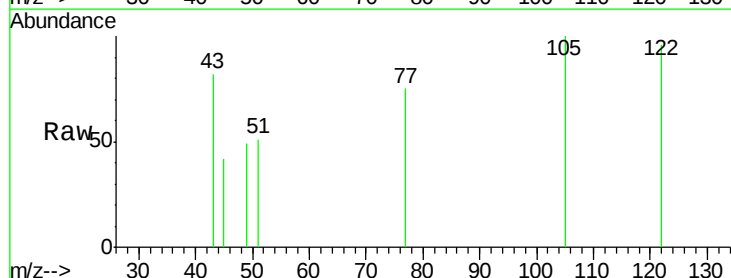
Tgt Ion: 122 Resp: 766

Ion Ratio Lower Upper

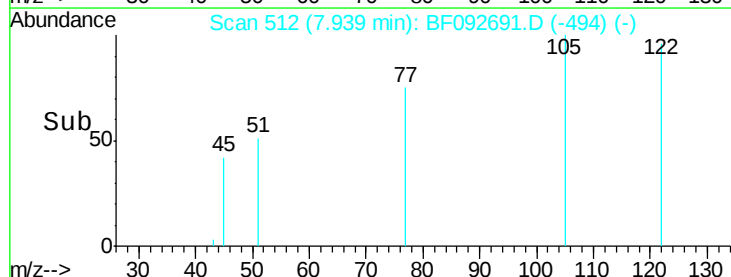
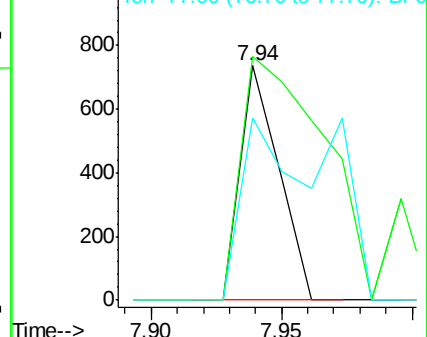
122 100

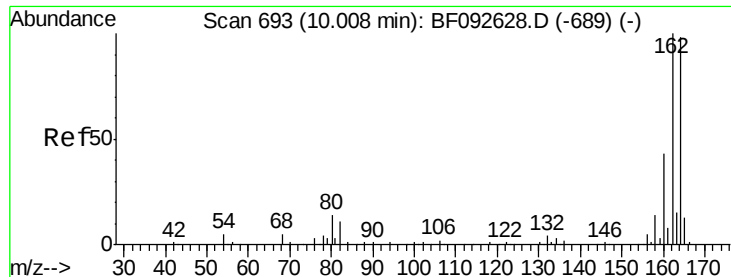
105 103.8 107.2 147.2#

77 77.6 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Instrument :

BNA_F

ClientSampleId :

B2-7

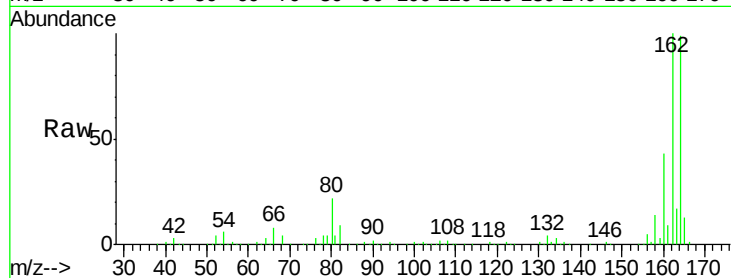
Tgt Ion:164 Resp: 304608

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

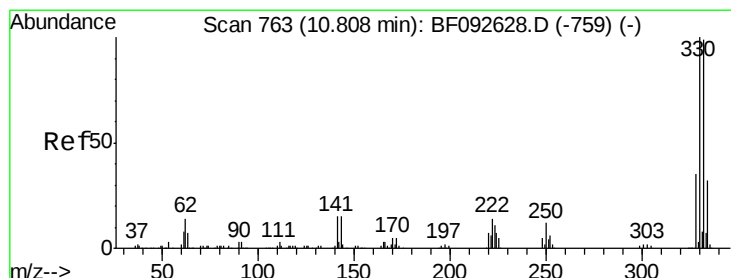
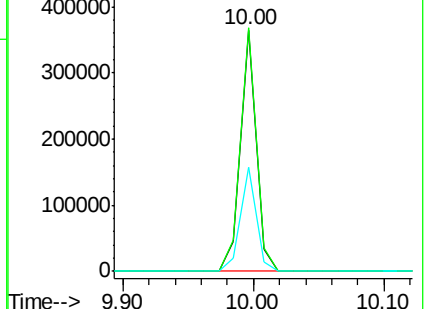
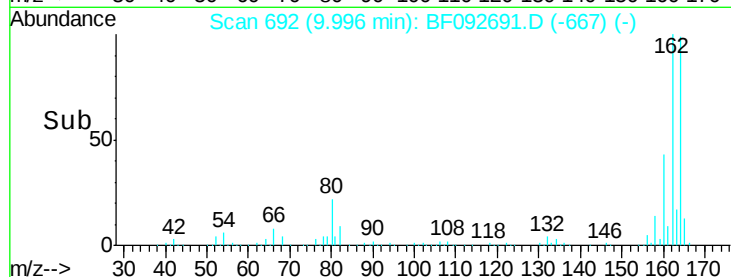
160 43.3 36.9 55.3



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: 149.49 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

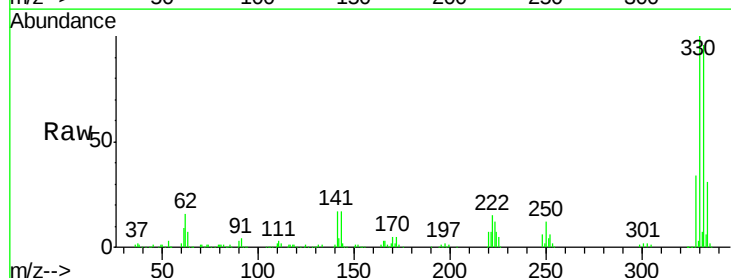
Tgt Ion:330 Resp: 329336

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.2

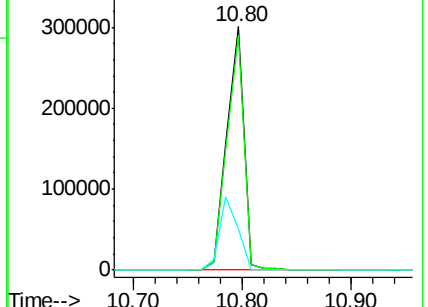
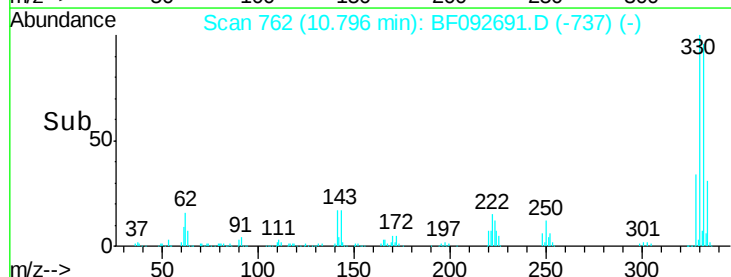
141 32.7 34.1 51.1#

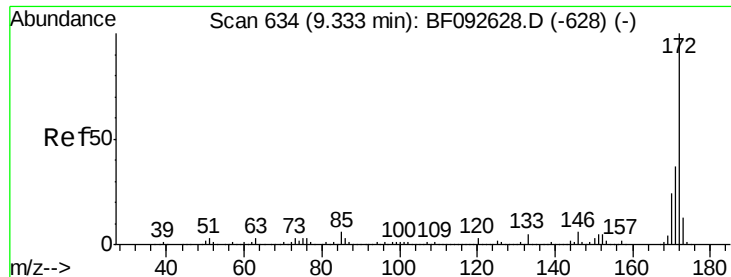


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

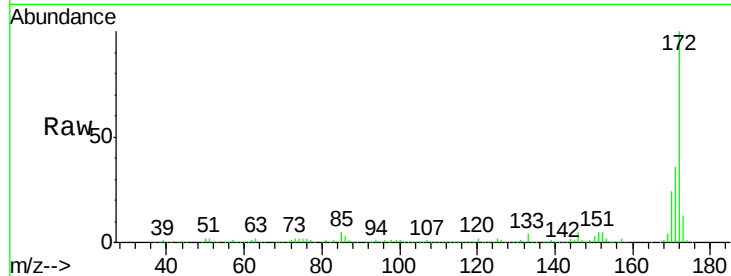




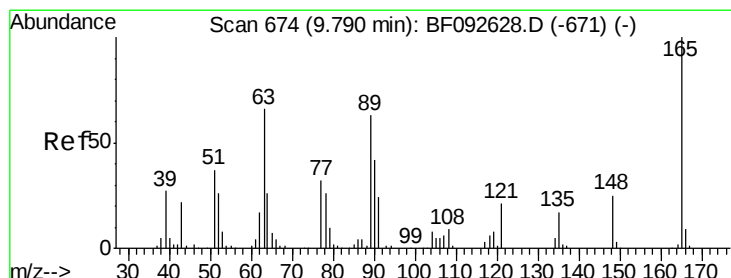
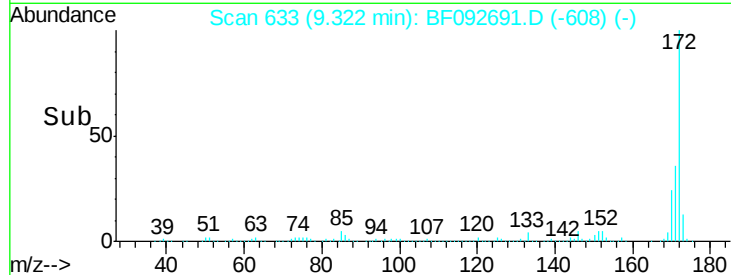
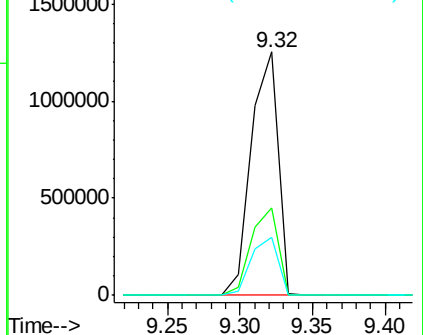
#44
 2-Fluorobiphenyl
 Concen: 96.20 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092691.D
 Acq: 31 Jan 2017 19:57

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:172 Resp: 1617501
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.0 20.2 30.4

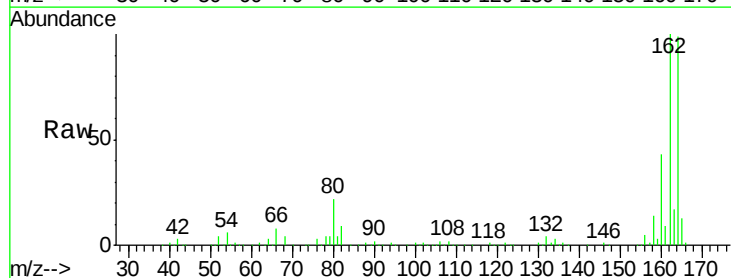


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

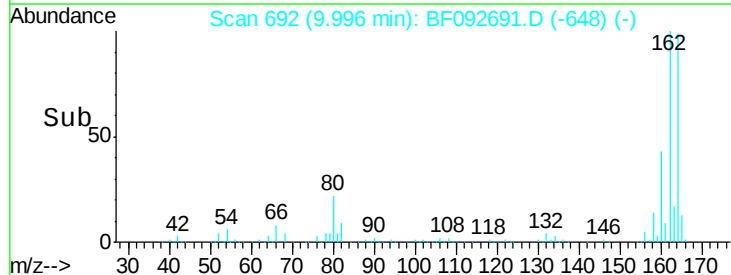
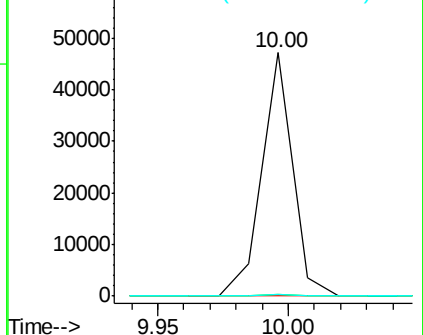


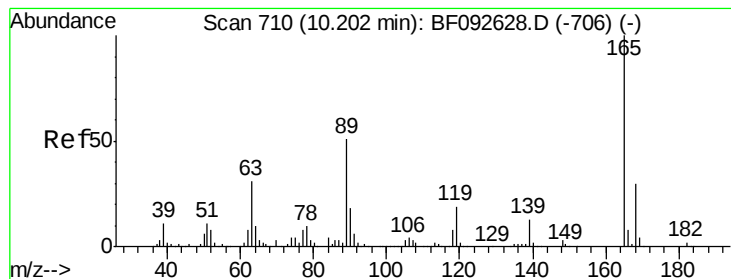
#50
 2,6-Dinitrotoluene
 Concen: 8.84 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.21 min
 Lab File: BF092691.D
 Acq: 31 Jan 2017 19:57

Tgt Ion:165 Resp: 39189
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.2 54.4#
 89 0.7 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: 10.00 min Scan# 692

Delta R.T. -0.21 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Instrument :

BNA_F

ClientSampleId :

B2-7

Tgt Ion:165 Resp: 39182

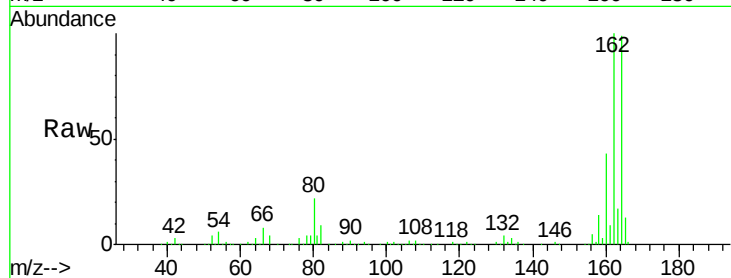
Ion Ratio Lower Upper

165 100

63 0.9 40.2 60.4#

89 0.7 62.5 93.7#

182 0.0 1.8 2.8#

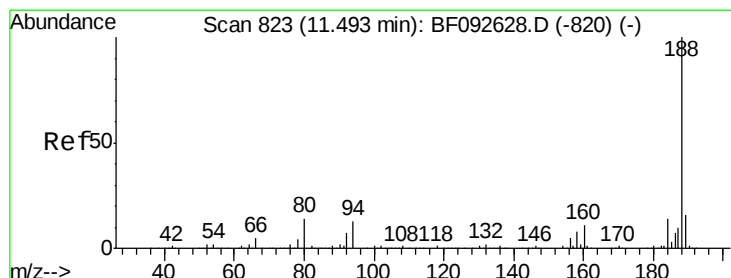
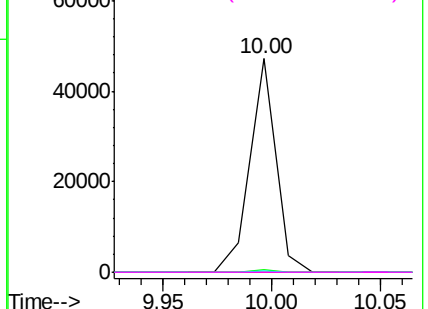
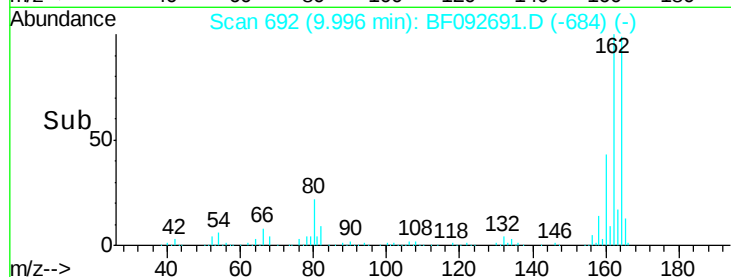


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.48 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

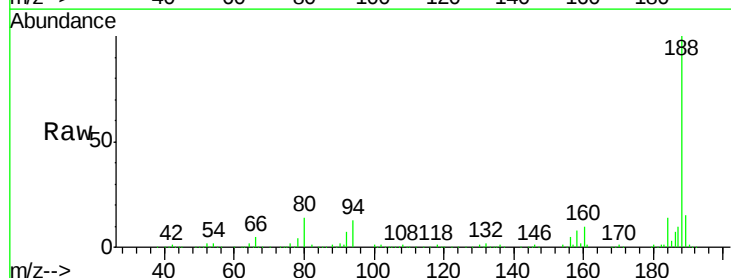
Tgt Ion:188 Resp: 479432

Ion Ratio Lower Upper

188 100

94 12.8 10.0 15.0

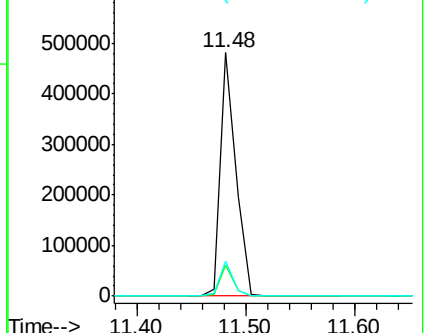
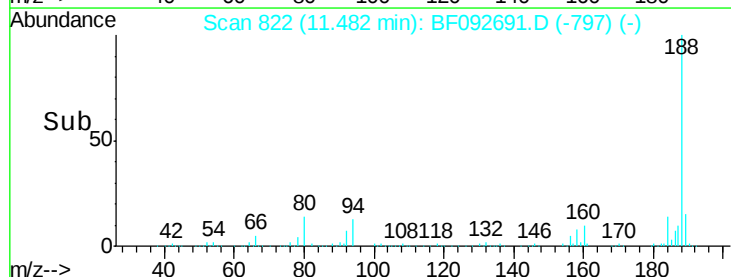
80 14.3 11.2 16.8

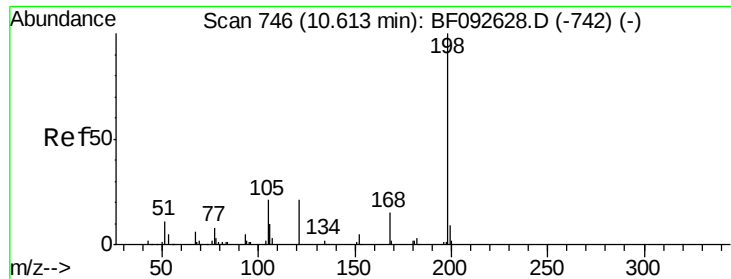


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

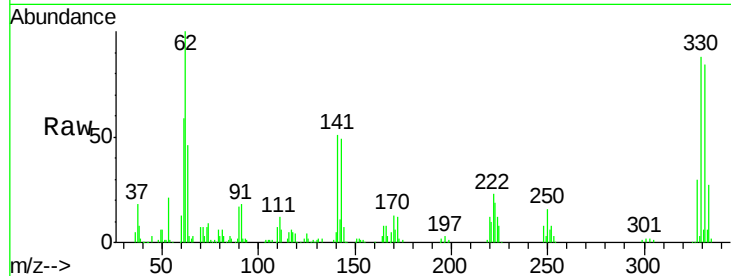




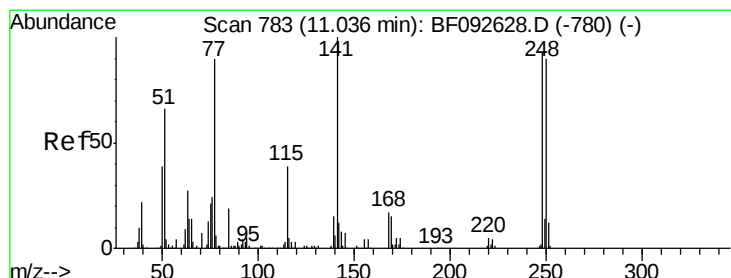
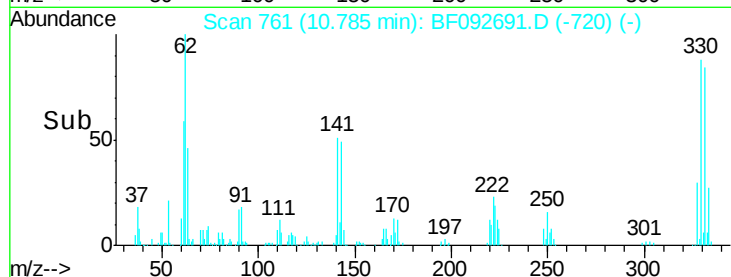
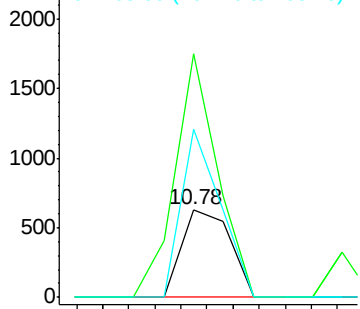
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.93 ng
 RT: 10.78 min Scan# 761
 Delta R.T. 0.17 min
 Lab File: BF092691.D
 Acq: 31 Jan 2017 19:57

Instrument :
 BNA_F
 ClientSampleId :
 B2-7

Tgt Ion:198 Resp: 807
 Ion Ratio Lower Upper
 198 100
 51 277.9 6.7 46.7#
 105 192.2 16.6 56.6#

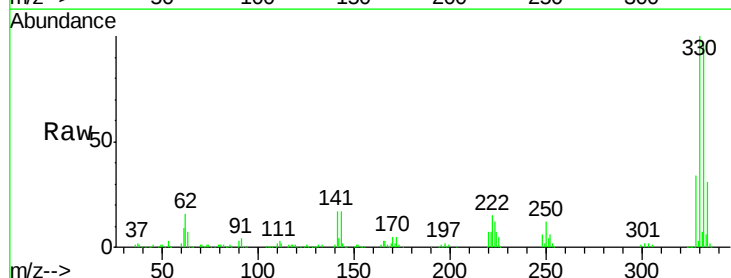


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

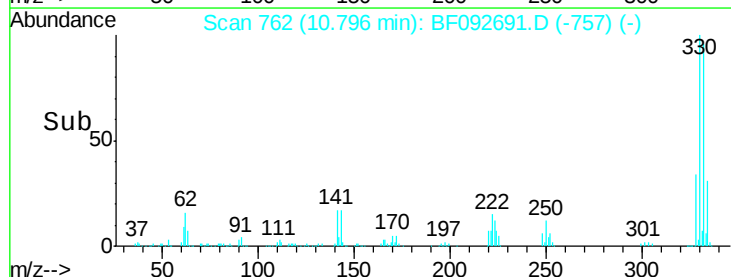
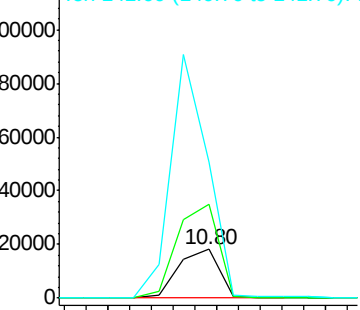


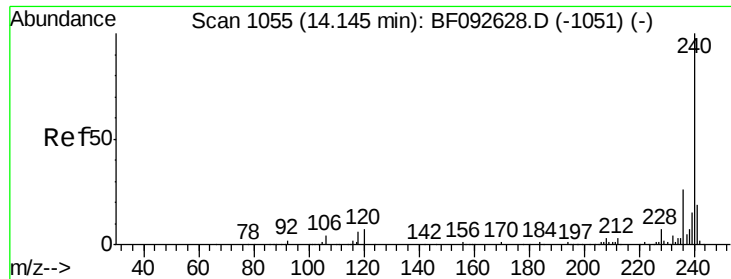
#66
 4-Bromophenyl-phenylether
 Concen: 4.71 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.24 min
 Lab File: BF092691.D
 Acq: 31 Jan 2017 19:57

Tgt Ion:248 Resp: 23577
 Ion Ratio Lower Upper
 248 100
 250 191.6 76.9 115.3#
 141 276.8 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: 14.12 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

Instrument :

BNA_F

ClientSampleId :

B2-7

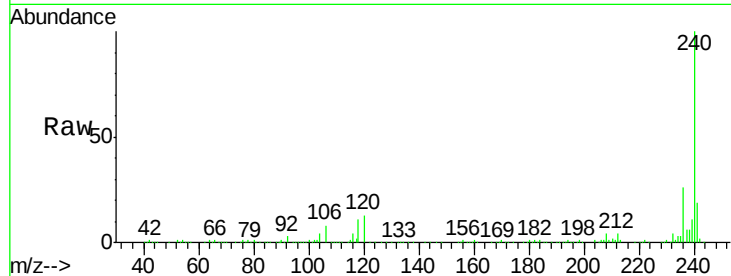
Tgt Ion:240 Resp: 423589

Ion Ratio Lower Upper

240 100

120 12.6 12.9 19.3#

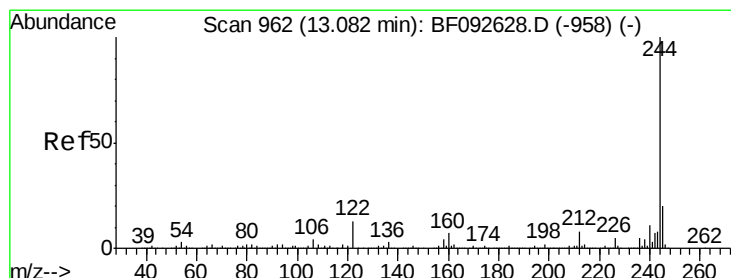
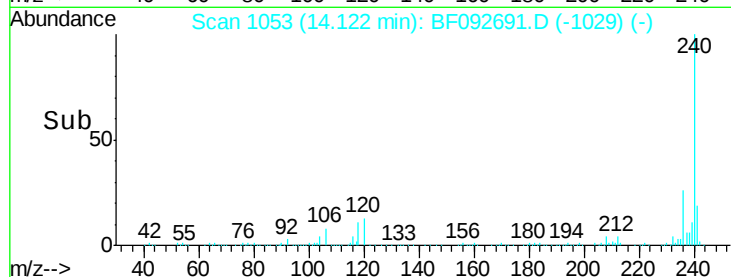
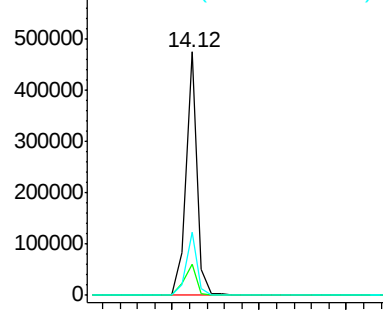
236 25.9 20.9 31.3



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: 84.67 ng

RT: 13.07 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF092691.D

Acq: 31 Jan 2017 19:57

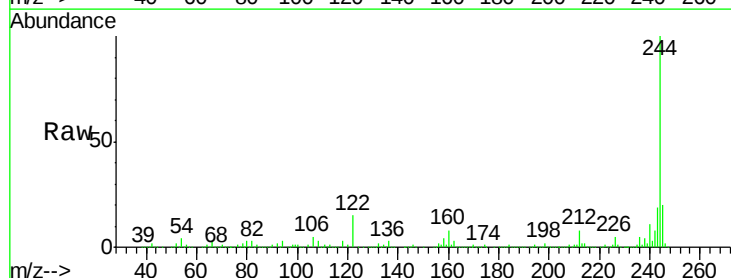
Tgt Ion:244 Resp: 1526408

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

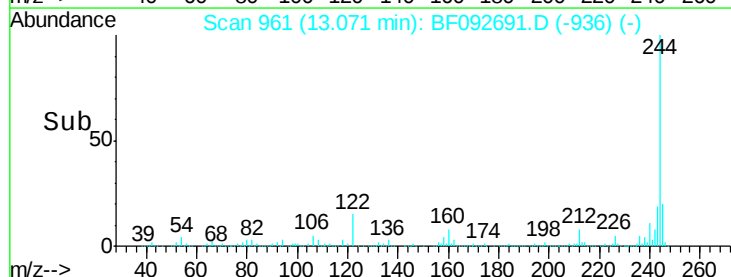
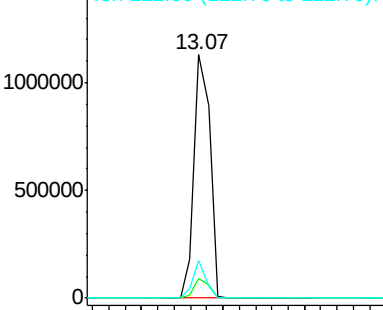
122 15.2 11.4 17.2

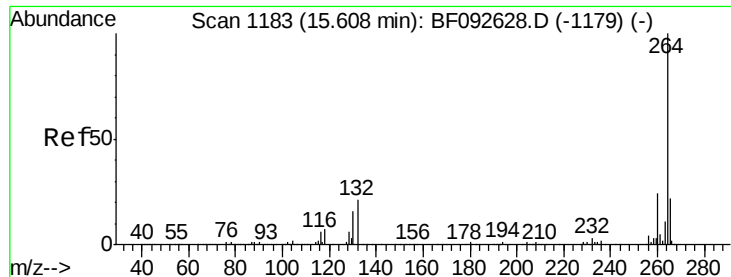


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

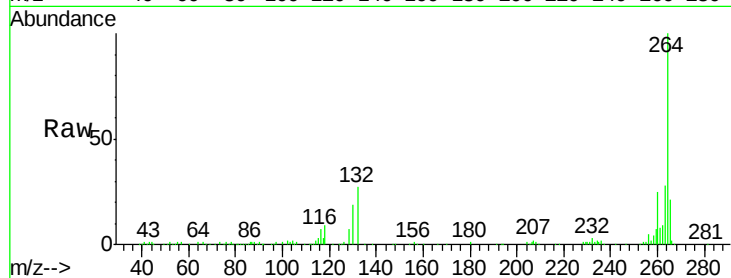




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF092691.D
Acq: 31 Jan 2017 19:57

Instrument :
BNA_F
ClientSampleId :
B2-7

Tgt Ion: 264 Resp: 191702
Ion Ratio Lower Upper
264 100
260 25.2 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

