

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088197.D
 Acq On : 21 Jun 2016 4:09
 Operator : UM/SJ
 Sample : H3501-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB5-2-4

Quant Time: Jun 21 06:08:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	101513	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	424158	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	203273	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	374759	20.00	ng	0.00
75) Chrysene-d12	13.81	240	318726	20.00	ng	0.00
86) Perylene-d12	15.18	264	250905	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	731177	123.13	ng	0.01
7) Phenol-d6	6.33	99	972175	135.09	ng	0.00
23) Nitrobenzene-d5	7.23	82	545021	75.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	208422	97.11	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	993441	76.20	ng	-0.01
78) Terphenyl-d14	12.77	244	985018	70.33	ng	0.00

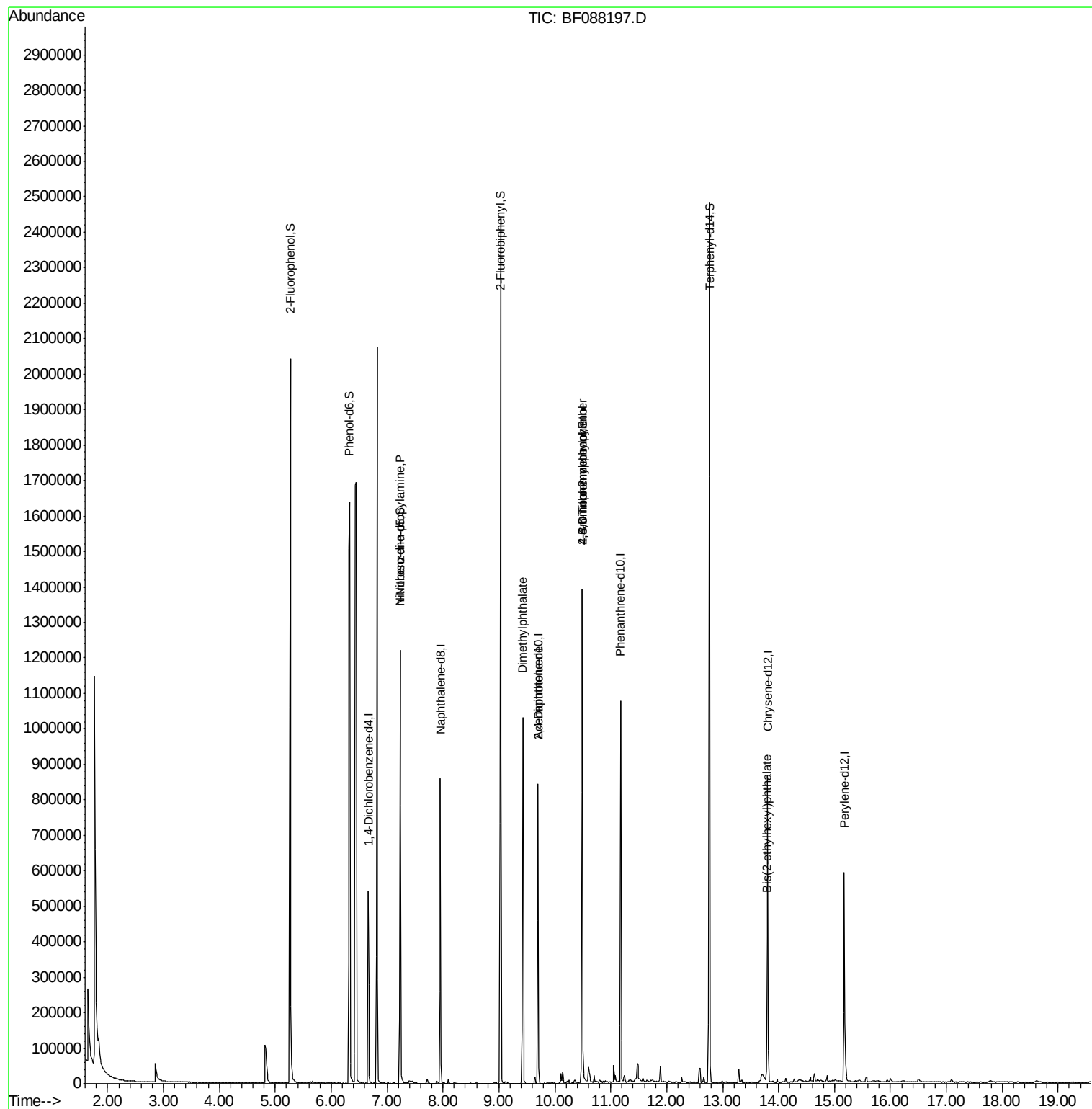
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.34	94	5509	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.23	70	69348	15.06 ng	#	71
45) 1,1'-Biphenyl	9.03	154	2018	Below Cal	#	1
49) Dimethylphthalate	9.43	163	433746	29.46 ng		100
56) 2,4-Dinitrotoluene	9.70	165	25365	5.85 ng	#	38
57) Fluorene	10.49	166	10177	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.49	198	326	2.30 ng	#	1
66) 4-Bromophenyl-phenylether	10.49	248	14071	3.50 ng	#	1
83) Bis(2-ethylhexyl)phthalate	13.79	149	29754	2.34 ng	#	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

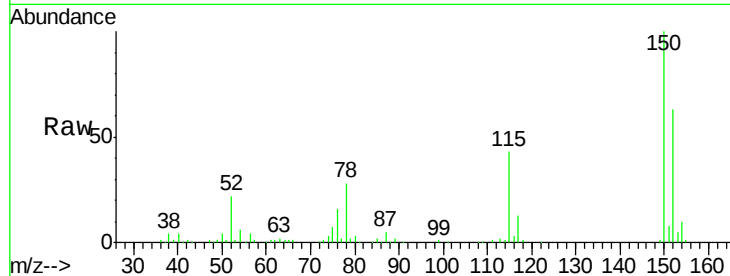
Tgt Ion:152 Resp: 101513

Ion Ratio Lower Upper

152 100

150 159.8 123.8 185.6

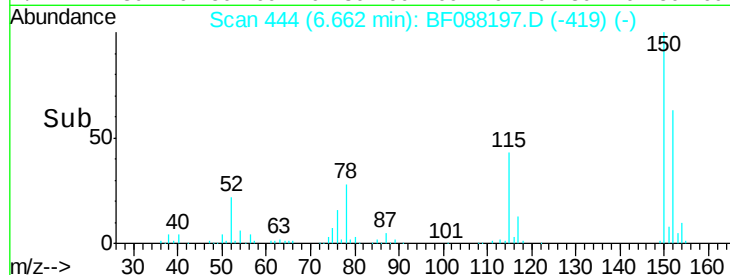
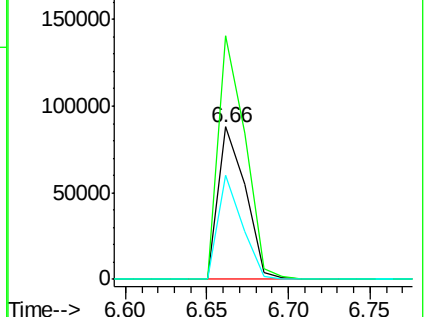
115 68.6 39.6 59.4#



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: 123.13 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

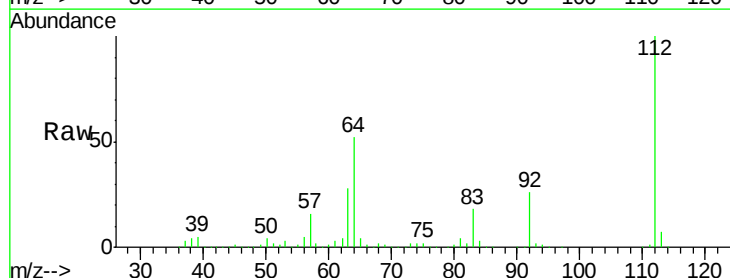
Tgt Ion:112 Resp: 731177

Ion Ratio Lower Upper

112 100

64 52.5 42.2 63.2

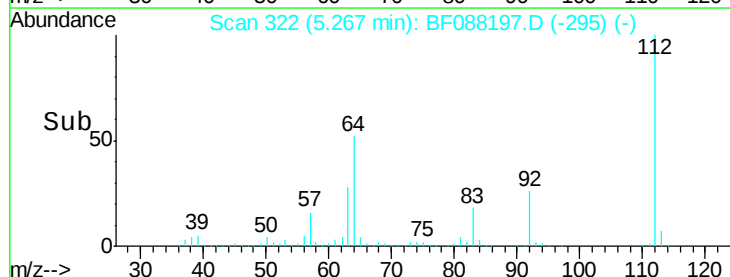
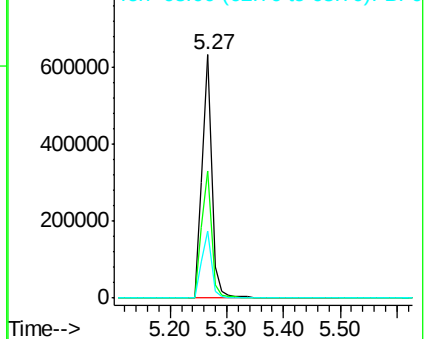
63 27.7 21.8 32.8

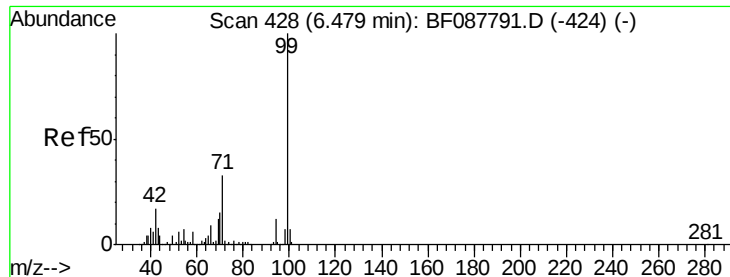


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.09 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

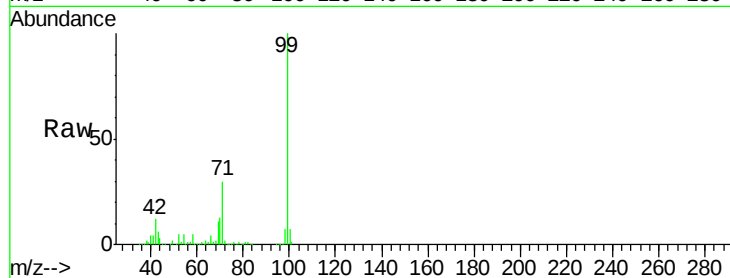
Tgt Ion: 99 Resp: 972175

Ion Ratio Lower Upper

99 100

42 11.8 12.2 18.2#

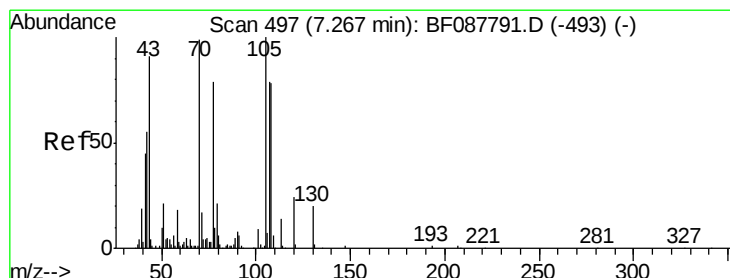
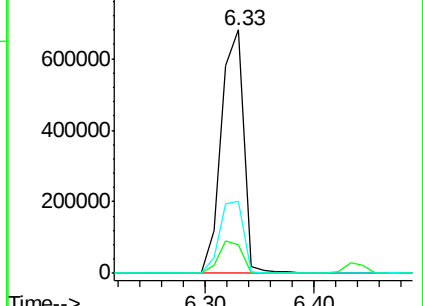
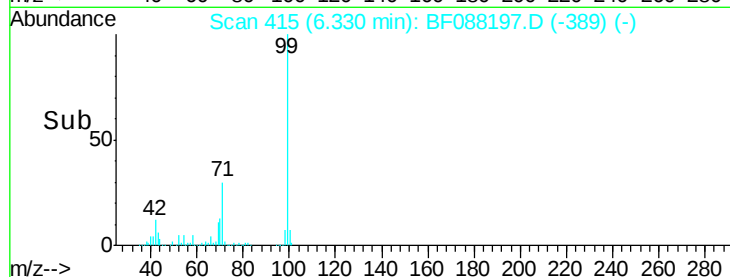
71 29.8 23.4 35.0



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: 15.06 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.14 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Tgt Ion: 70 Resp: 69348

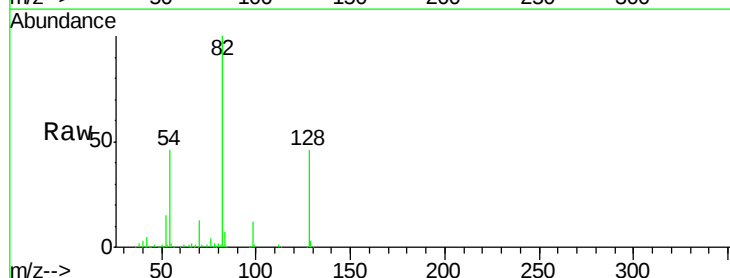
Ion Ratio Lower Upper

70 100

42 41.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

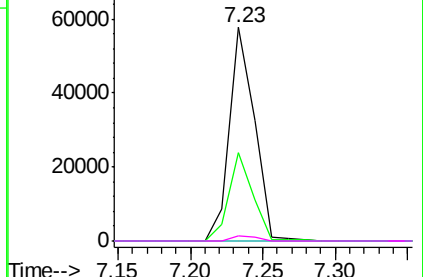
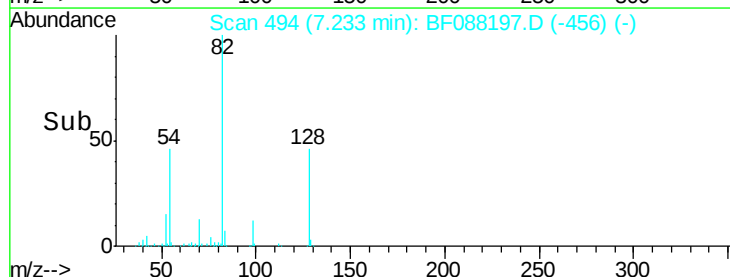


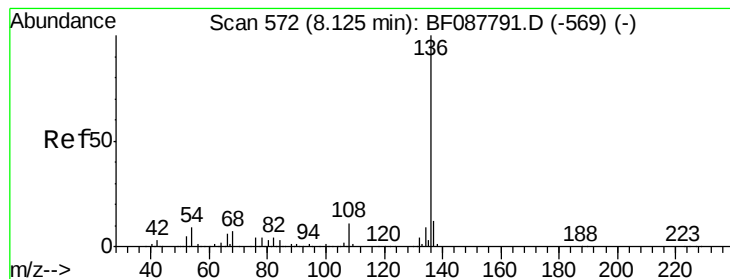
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.95 min Scan# 557

Delta R.T. 0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

Tgt Ion: 136 Resp: 424158

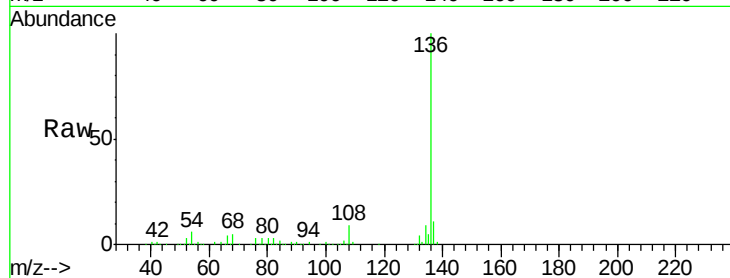
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.8 6.6 10.0#

68 5.1 5.1 7.7#

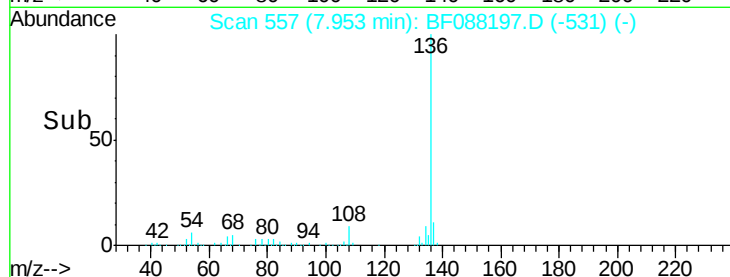


Abundance Ion 136.00 (135.70 to 136.70): E

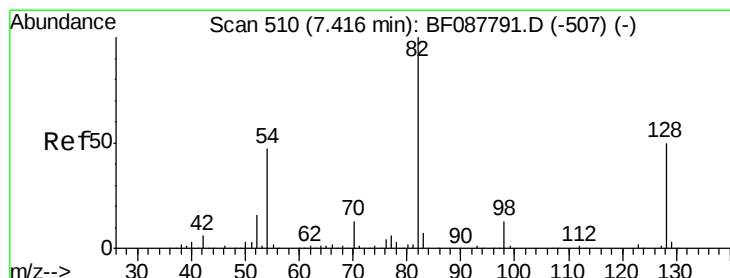
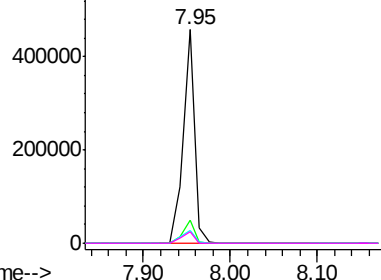
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 75.03 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

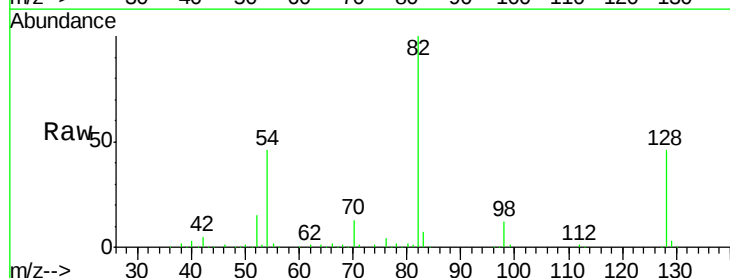
Tgt Ion: 82 Resp: 545021

Ion Ratio Lower Upper

82 100

128 45.8 35.9 53.9

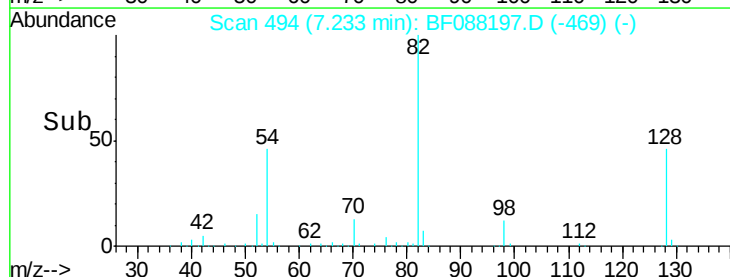
54 46.5 40.9 61.3



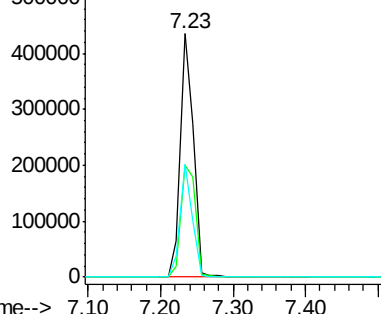
Abundance Ion 82.00 (81.70 to 82.70): BF0

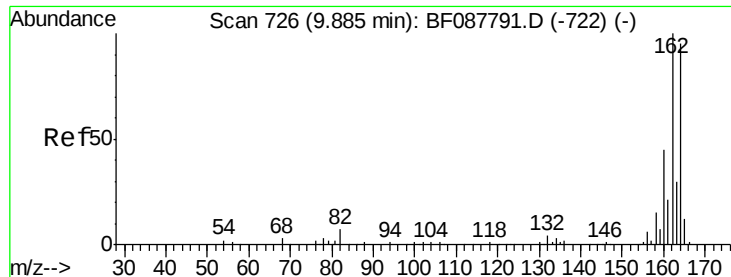
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

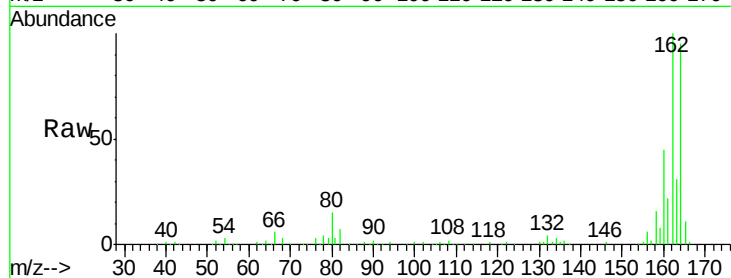
Tgt Ion:164 Resp: 203273

Ion Ratio Lower Upper

164 100

162 105.5 85.4 128.2

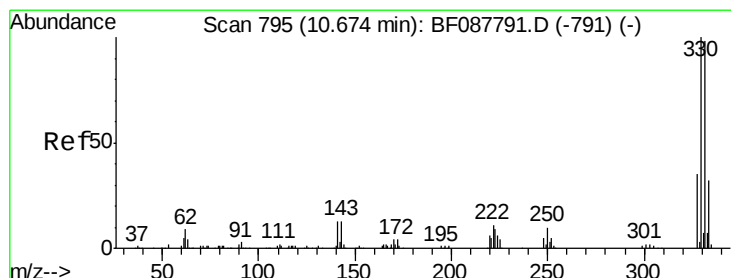
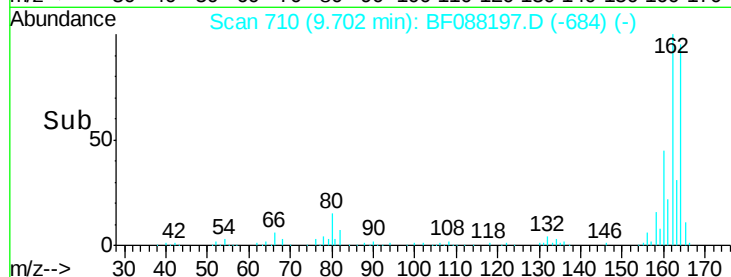
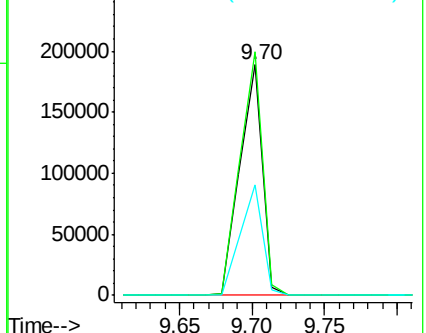
160 47.9 39.5 59.3



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: 97.11 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

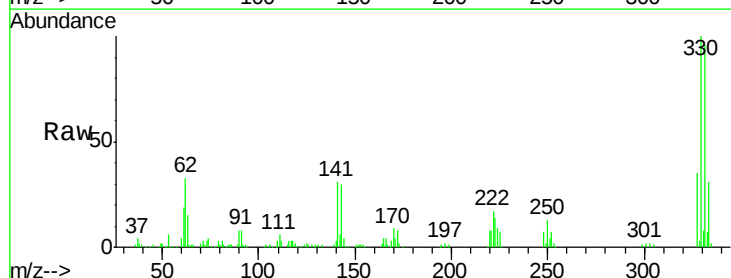
Tgt Ion:330 Resp: 208422

Ion Ratio Lower Upper

330 100

332 96.5 0.0 0.0#

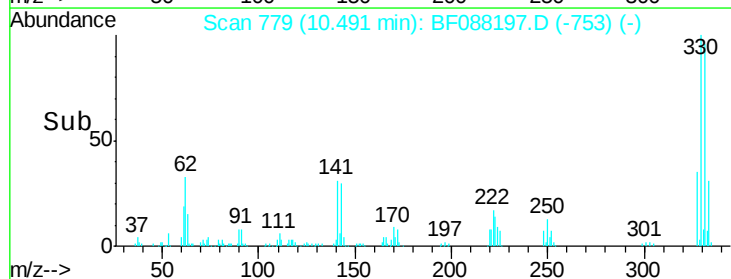
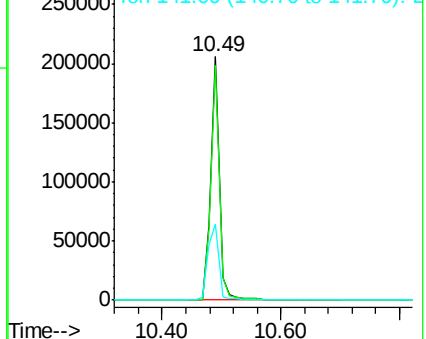
141 40.3 0.0 0.0#



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

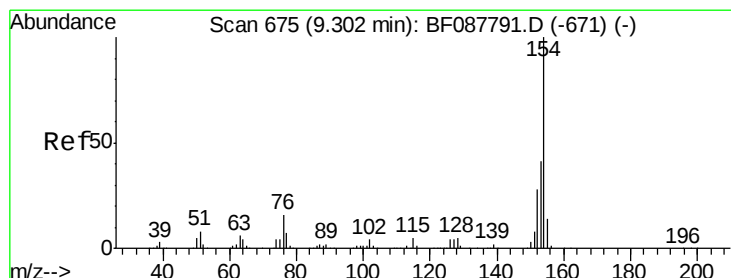
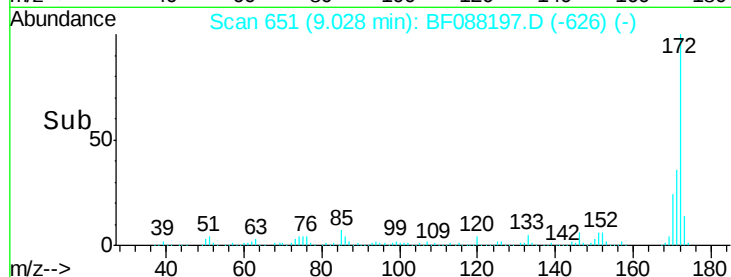
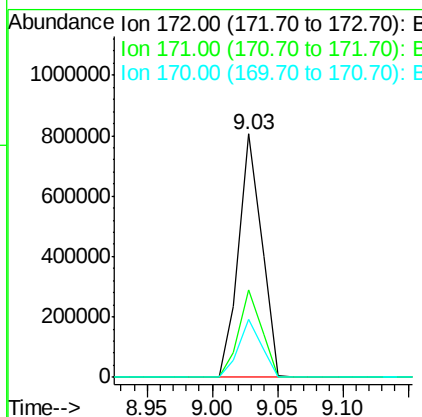
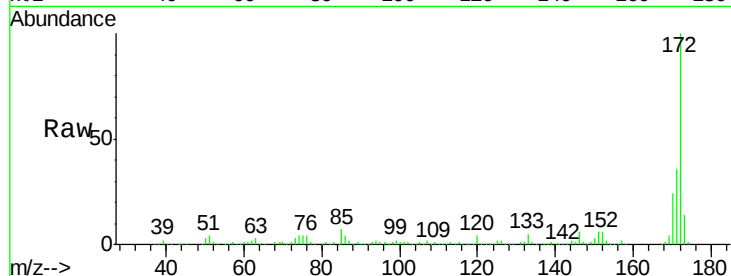




#44
 2-Fluorobiphenyl
 Concen: 76.20 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088197.D
 Acq: 21 Jun 2016 4:09

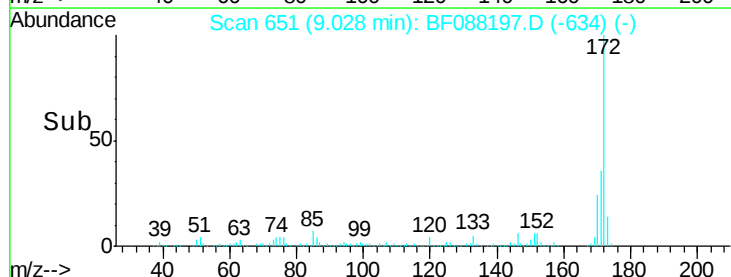
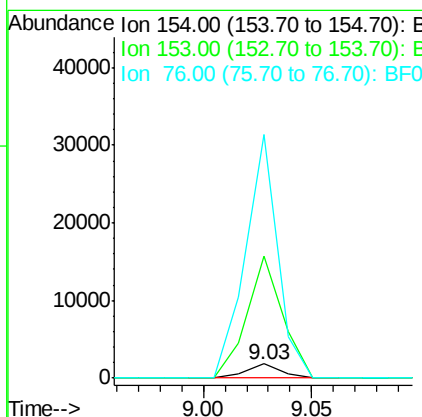
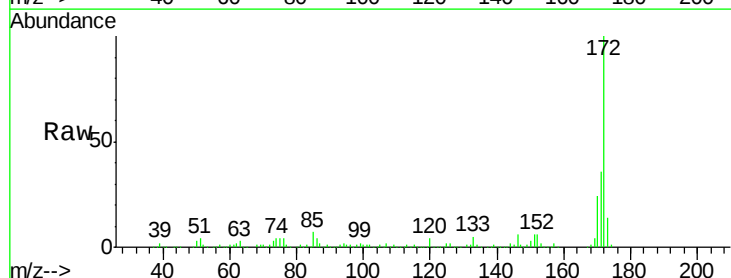
Instrument :
 BNA_F
 ClientSampleId :
 SB5-2-4

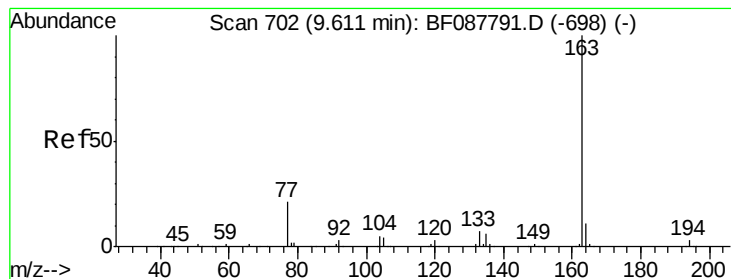
Tgt Ion:172 Resp: 993441
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.03 min Scan# 651
 Delta R.T. -0.10 min
 Lab File: BF088197.D
 Acq: 21 Jun 2016 4:09

Tgt Ion:154 Resp: 2018
 Ion Ratio Lower Upper
 154 100
 153 859.6 20.6 60.6#
 76 1716.0 0.0 35.1#





#49

Dimethylphthalate

Concen: 29.46 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

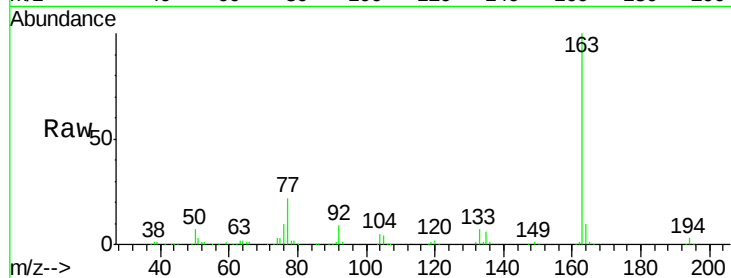
Tgt Ion:163 Resp: 433746

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

164 10.5 8.3 12.5



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

600000

500000

400000

300000

200000

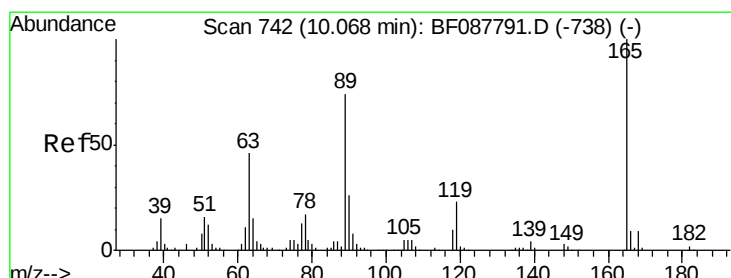
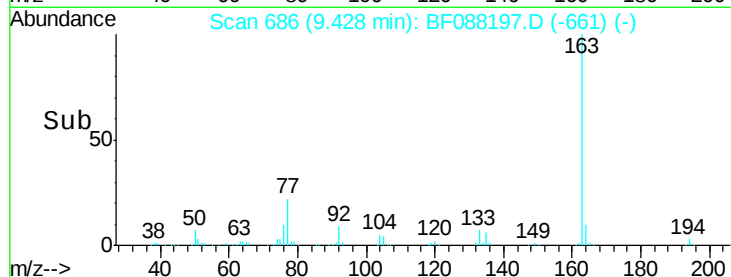
100000

0

9.43

9.35 9.40 9.45 9.50 9.55

Time-->



#56

2,4-Dinitrotoluene

Concen: 5.85 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Tgt Ion:165 Resp: 25365

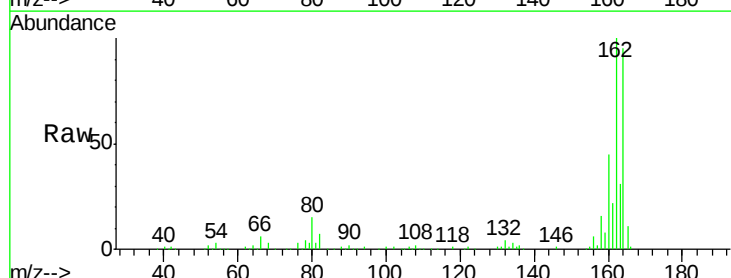
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#



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

30000

20000

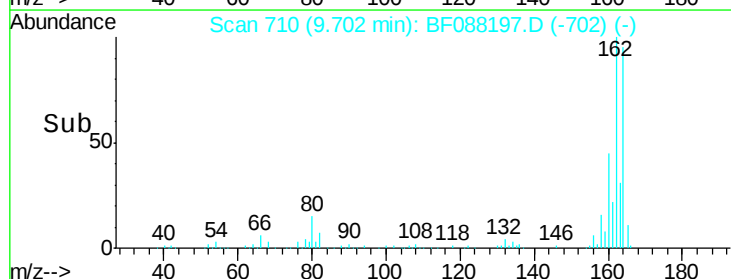
10000

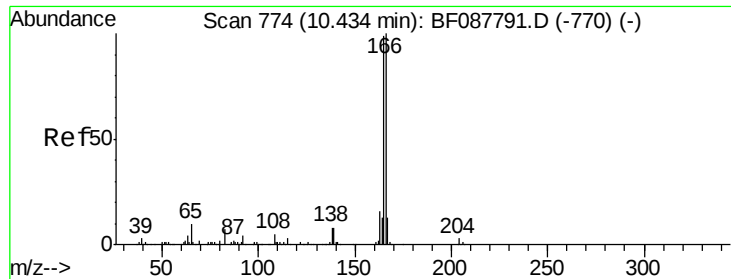
0

9.70

9.65 9.70 9.75

Time-->





#57

Fluorene

Concen: Below Cal

RT: 10.49 min Scan# 779

Delta R.T. 0.24 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

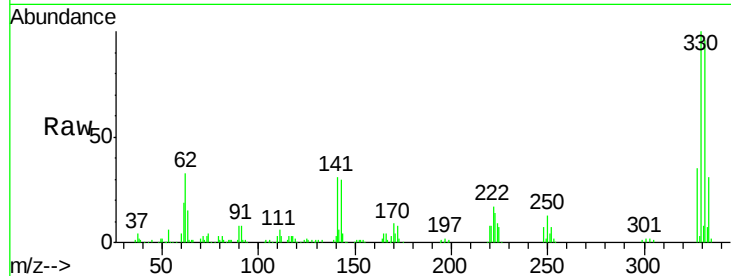
Tgt Ion:166 Resp: 10177

Ion Ratio Lower Upper

166 100

165 104.1 77.8 116.8

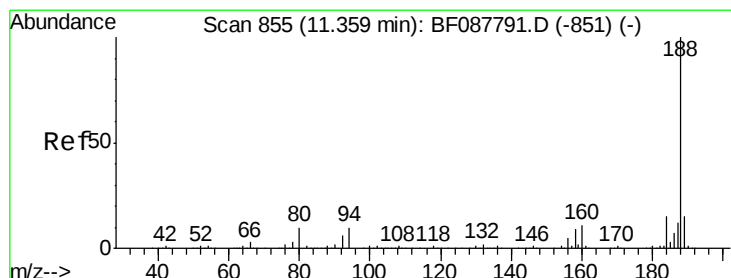
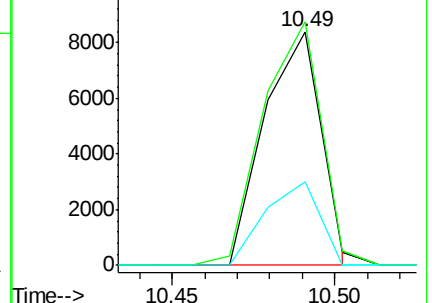
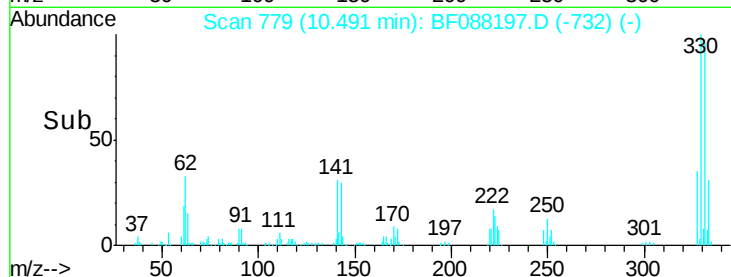
167 35.6 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

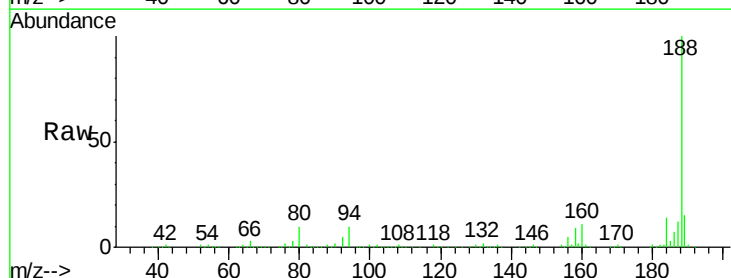
Tgt Ion:188 Resp: 374759

Ion Ratio Lower Upper

188 100

94 9.7 9.0 13.6

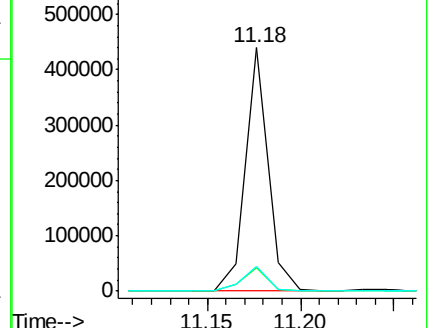
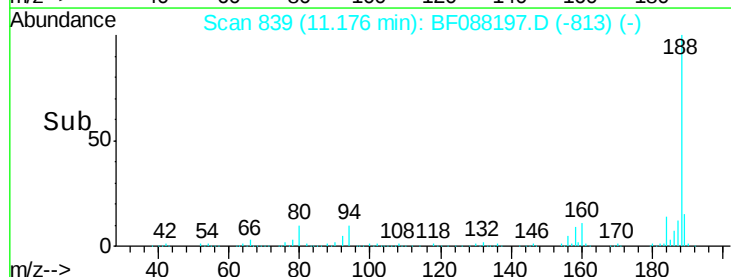
80 10.0 10.0 15.0

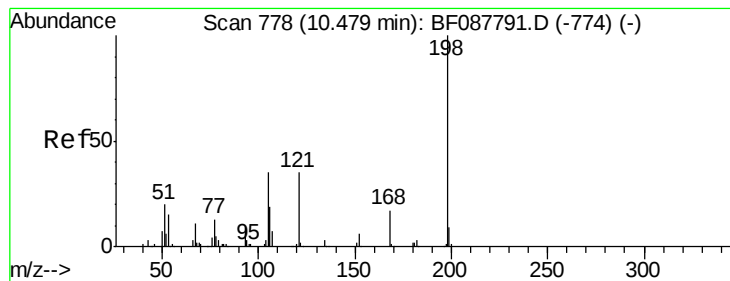


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.30 ng

RT: 10.49 min Scan# 779

Delta R.T. 0.17 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

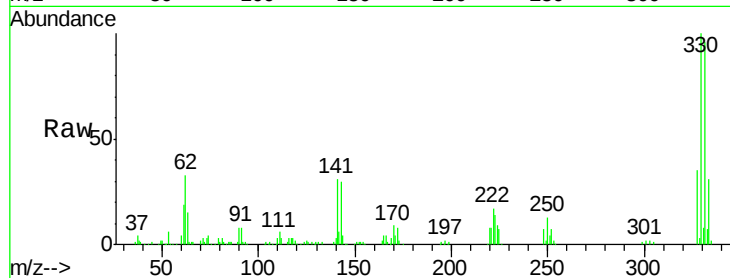
Tgt Ion:198 Resp: 326

Ion Ratio Lower Upper

198 100

51 114.5 39.6 79.6#

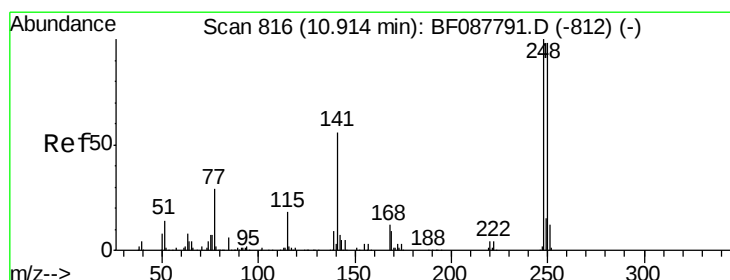
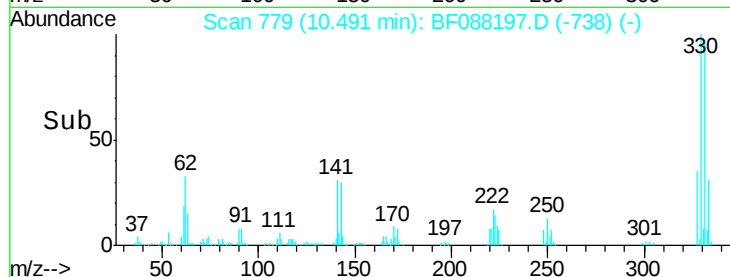
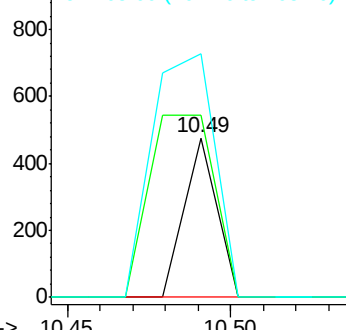
105 152.7 36.6 76.6#



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: 3.50 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.24 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

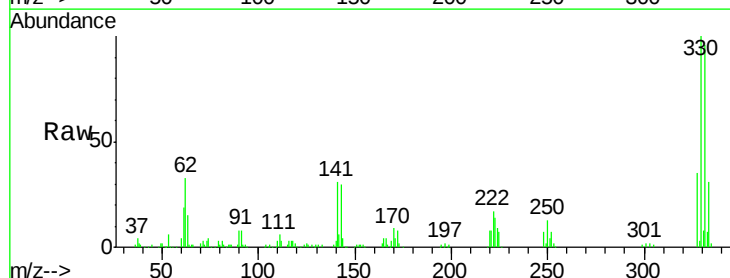
Tgt Ion:248 Resp: 14071

Ion Ratio Lower Upper

248 100

250 192.9 77.1 115.7#

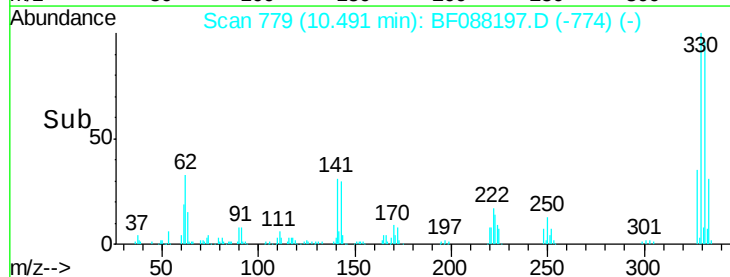
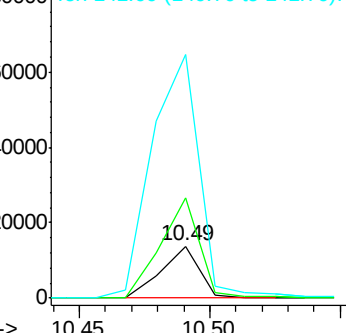
141 470.2 50.6 76.0#

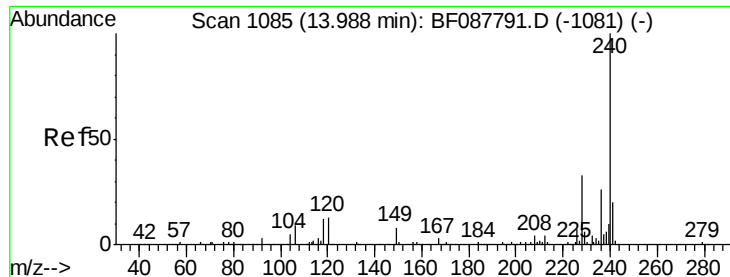


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.81 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

Instrument :

BNA_F

ClientSampleId :

SB5-2-4

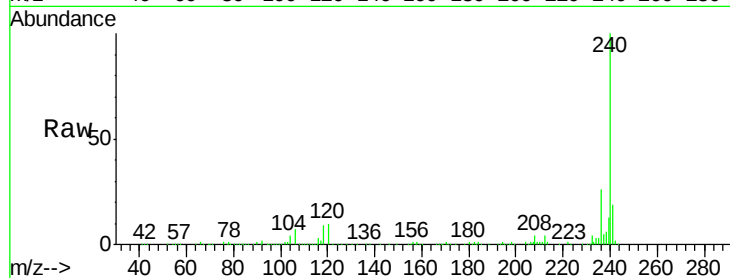
Tgt Ion:240 Resp: 318726

Ion Ratio Lower Upper

240 100

120 10.4 6.8 10.2#

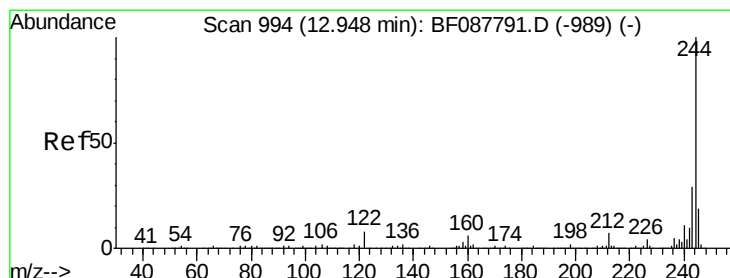
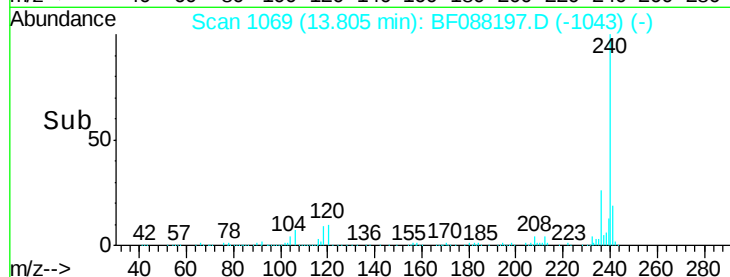
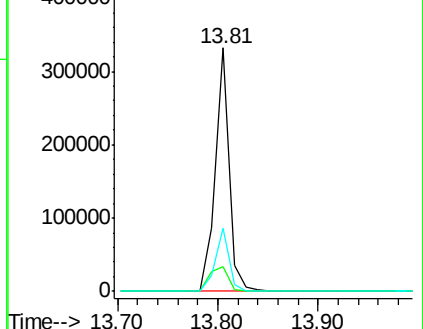
236 25.8 20.2 30.2



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: 70.33 ng

RT: 12.77 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF088197.D

Acq: 21 Jun 2016 4:09

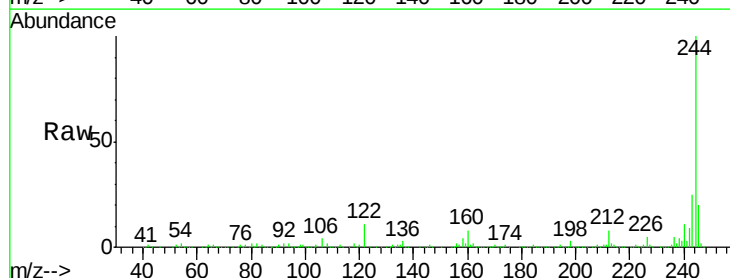
Tgt Ion:244 Resp: 985018

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

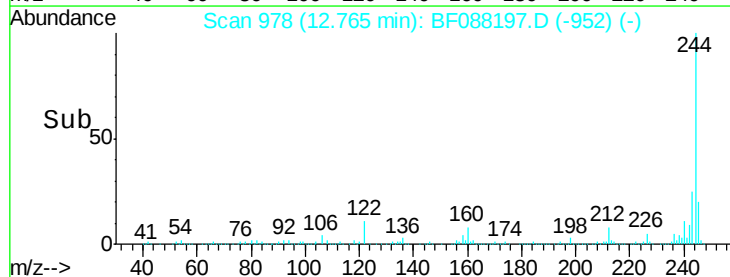
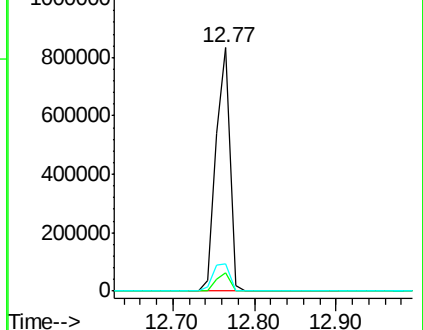
122 11.1 11.2 16.8#

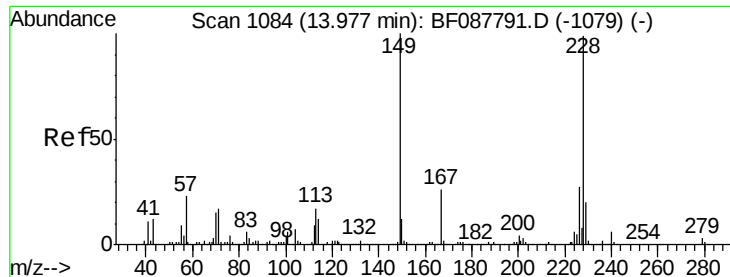


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

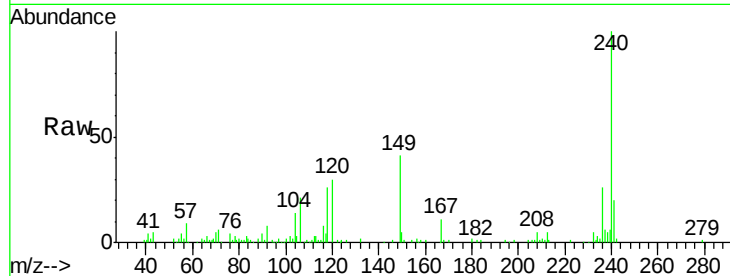




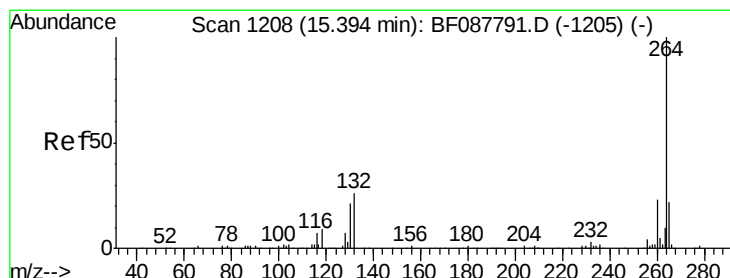
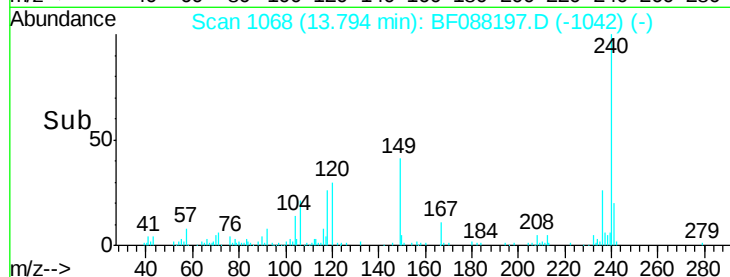
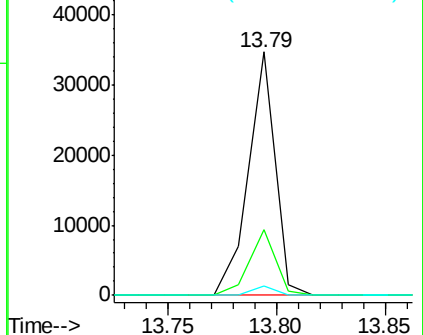
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.34 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: BF088197.D
 Acq: 21 Jun 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 SB5-2-4

Tgt Ion:149 Resp: 29754
 Ion Ratio Lower Upper
 149 100
 167 26.8 20.5 30.7
 279 3.6 2.0 3.0#

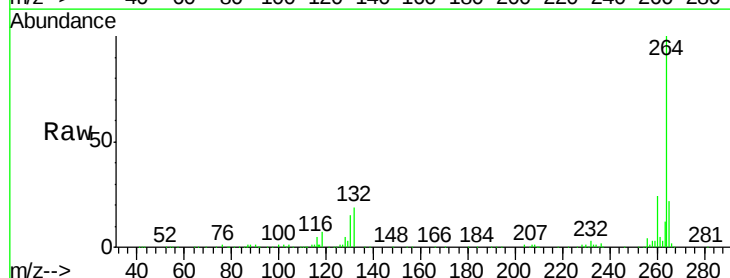


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF088197.D
 Acq: 21 Jun 2016 4:09

Tgt Ion:264 Resp: 250905
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.6 16.9 25.3



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

