

Data Path : Z:\HPCHEM1\BNA F\Data\BF121516\
 Data File : BF091660.D
 Acq On : 16 Dec 2016 7:28
 Operator : UM/SJ
 Sample : H6035-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 16:36:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	199761	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	743647	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	483558	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	596396	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	550077	20.00	ng	0.00
86) Perylene-d12	15.35	264	440310	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1511687	127.49	ng	0.02
7) Phenol-d6	6.43	99	1666994	112.77	ng	0.00
23) Nitrobenzene-d5	7.36	82	1361576	102.19	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	419053	104.34	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2023313	72.30	ng	0.00
78) Terphenyl-d14	12.89	244	1806236	74.51	ng	-0.01

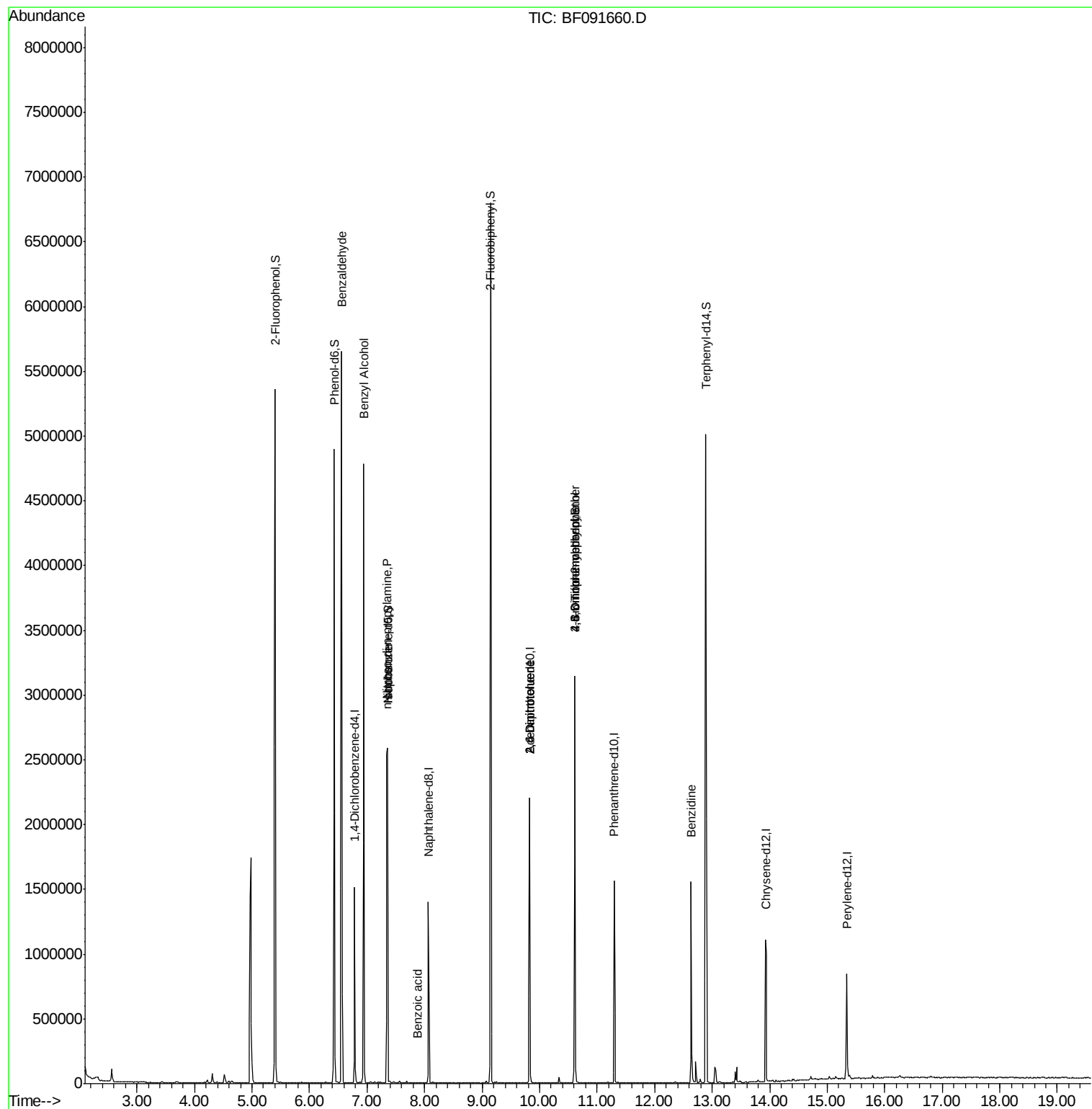
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	37409	3.68	ng	86
15) Benzyl Alcohol	6.94	79	24133	2.07	ng	# 36
19) n-Nitroso-di-n-propylamine	7.34	70	183377	19.84	ng	# 67
20) 3+4-Methylphenols	6.94	107	291	Below Cal		# 1
25) Isophorone	7.36	82	1243934	52.52	ng	# 67
32) Benzoic acid	7.87	122	809	4.99	ng	# 9
50) 2,6-Dinitrotoluene	9.82	165	62216	9.26	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	62219	7.39	ng	# 33
57) Fluorene	10.37	166	1112	Below Cal		# 76
64) 4,6-Dinitro-2-methylphenol	10.61	198	1116	3.23	ng	# 46
66) 4-Bromophenyl-phenylether	10.61	248	28636	4.68	ng	# 1
76) Benzidine	12.64	184	577206	33.94	ng	97

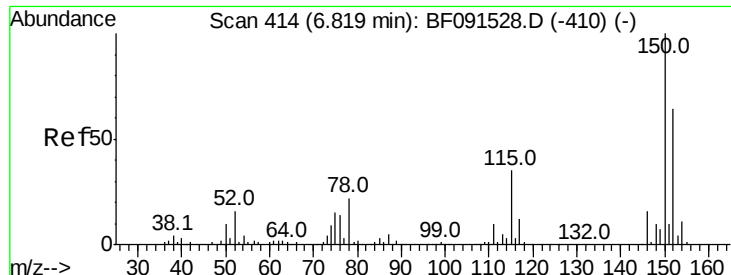
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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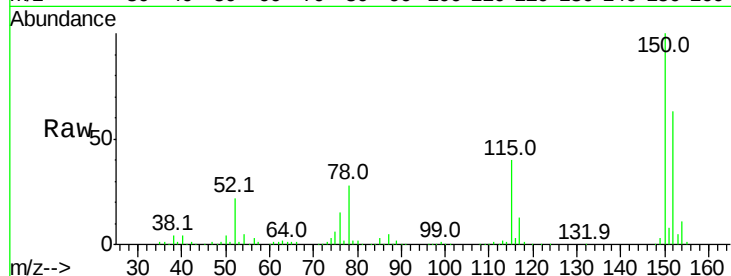


#1

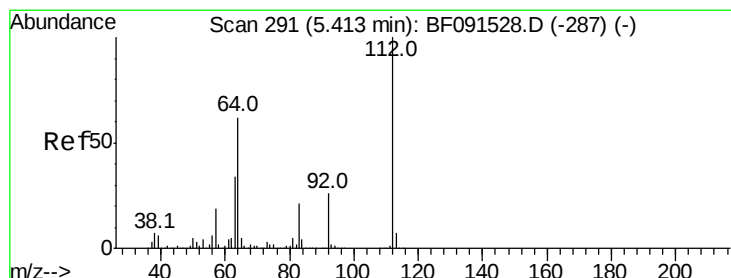
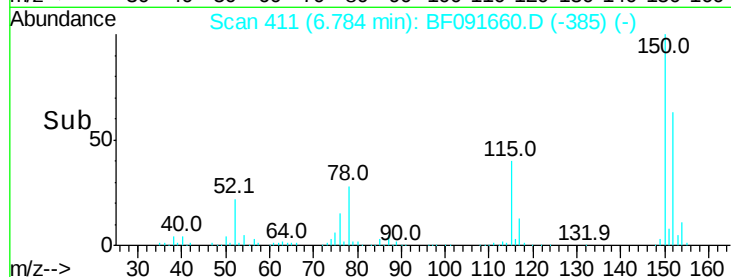
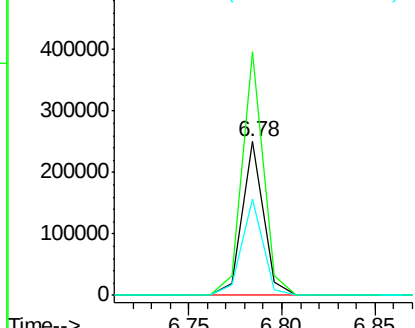
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 199761
Ion Ratio Lower Upper
152 100
150 158.2 122.5 183.7
115 62.8 51.8 77.8



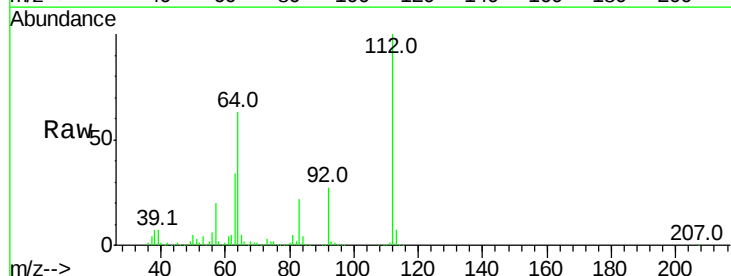
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



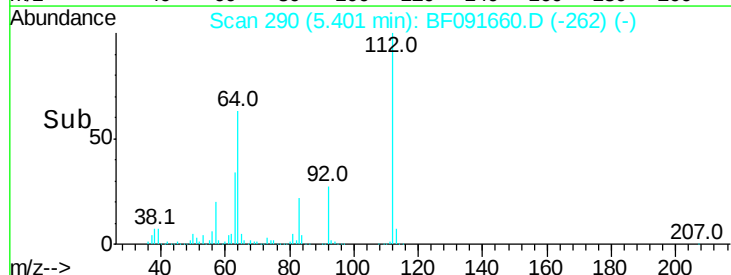
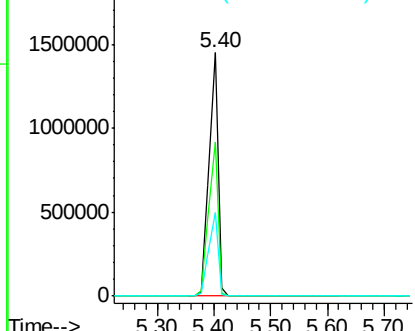
#5

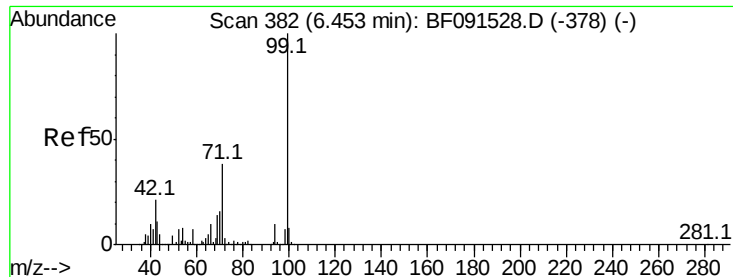
2-Fluorophenol
Concen: 127.49 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

Tgt Ion:112 Resp: 1511687
Ion Ratio Lower Upper
112 100
64 63.0 61.5 92.3
63 34.2 33.3 49.9



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: 112.77 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

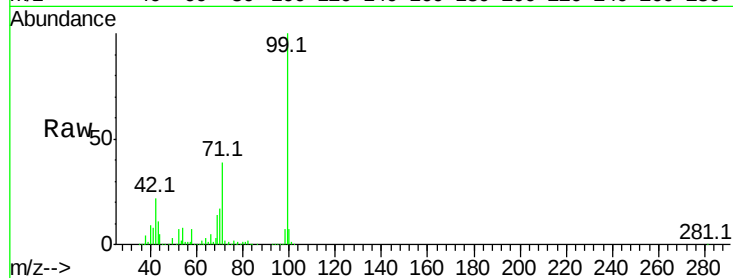
Tot Ion: 99 Resp: 1666994

Ion Ratio Lower Upper

99 100

42 21.8 20.6 31.0

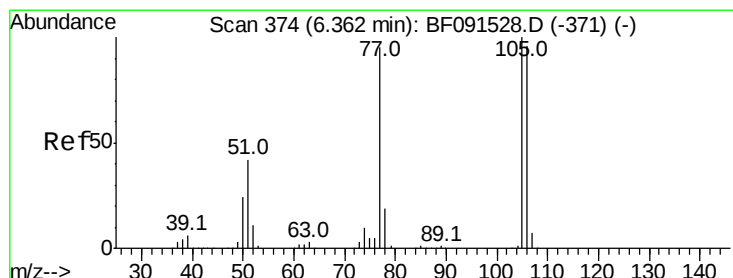
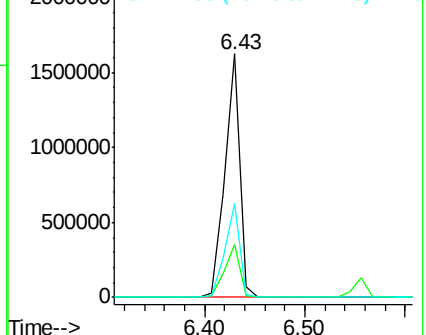
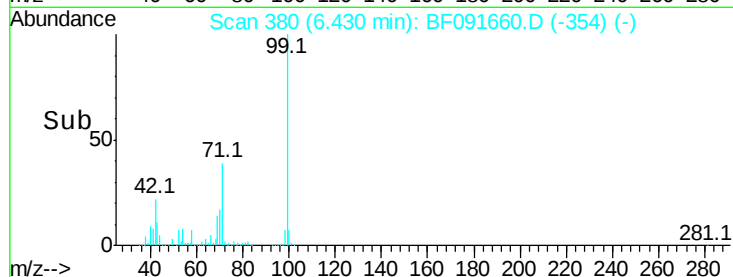
71 38.6 29.9 44.9



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: 3.68 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.23 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

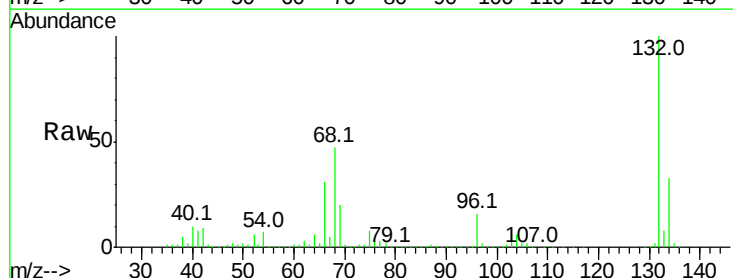
Tgt Ion: 77 Resp: 37409

Ion Ratio Lower Upper

77 100

105 78.0 66.4 106.4

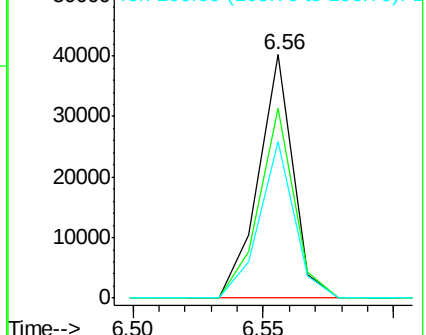
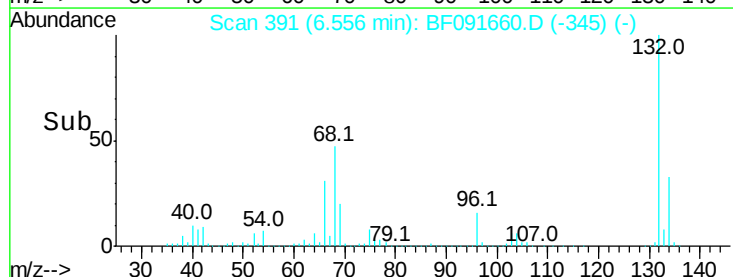
106 64.1 60.9 100.9

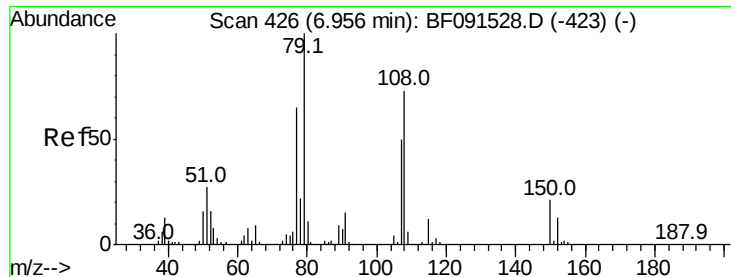


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

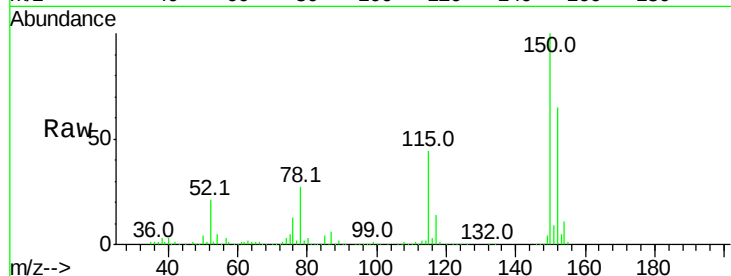
Tot Ion: 79 Resp: 24133

Ion Ratio Lower Upper

79 100

108 31.2 62.7 94.1#

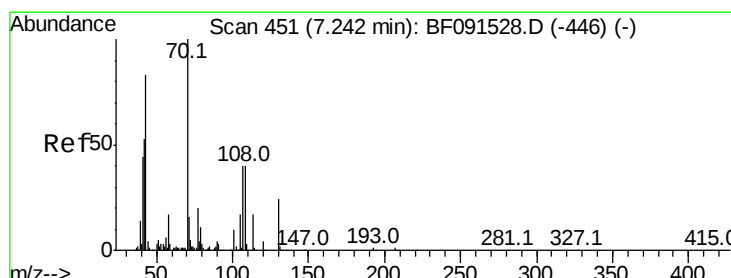
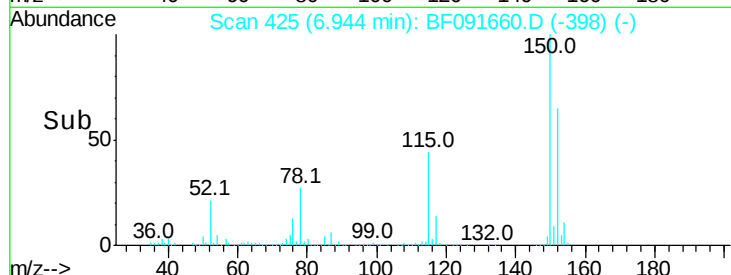
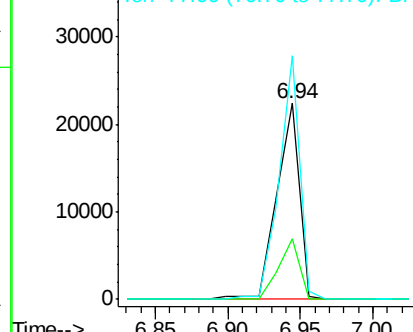
77 124.2 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.84 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Tgt Ion: 70 Resp: 183377

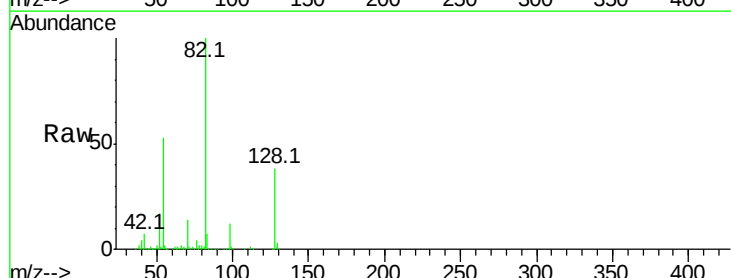
Ion Ratio Lower Upper

70 100

42 50.6 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

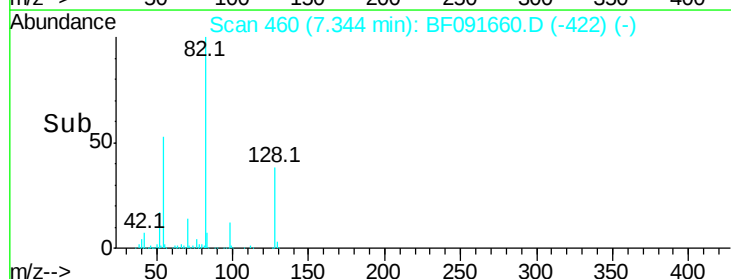
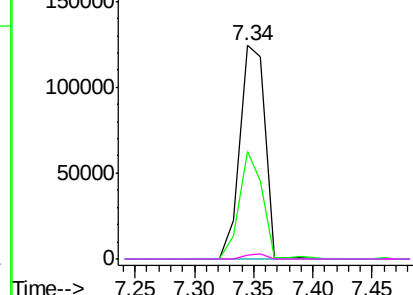


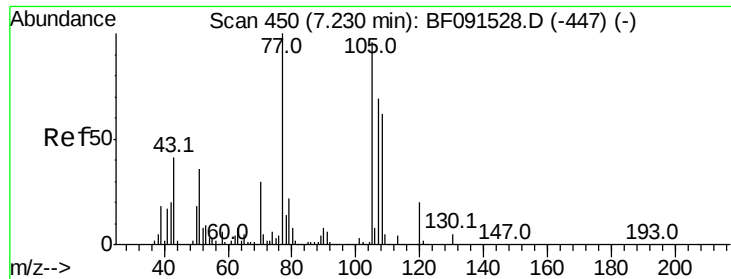
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 6.94 min Scan# 425

Delta R.T. -0.26 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 291

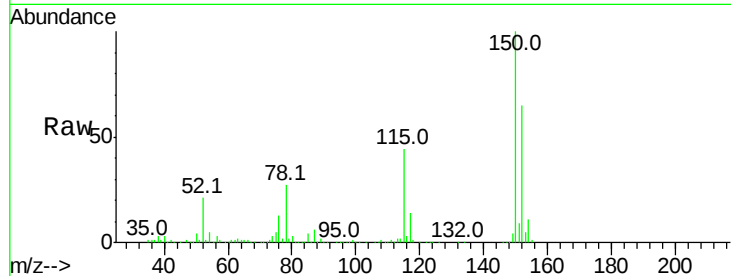
Ion Ratio Lower Upper

107 100

108 1642.6 64.6 104.6#

77 6550.6 30.9 70.9#

79 5272.5 9.3 49.3#

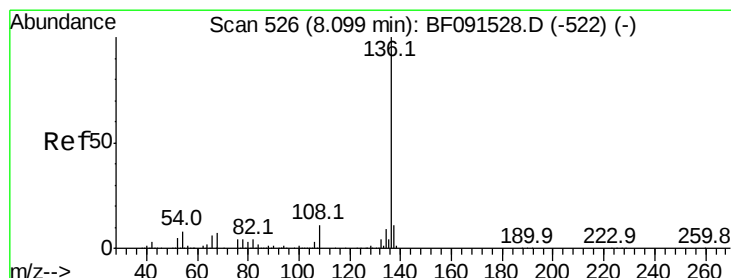
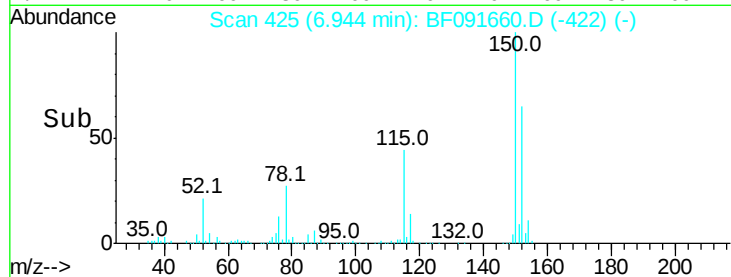
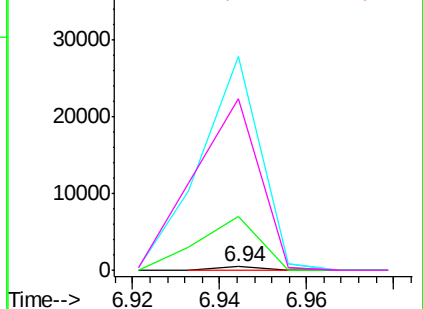


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Tgt Ion:136 Resp: 743647

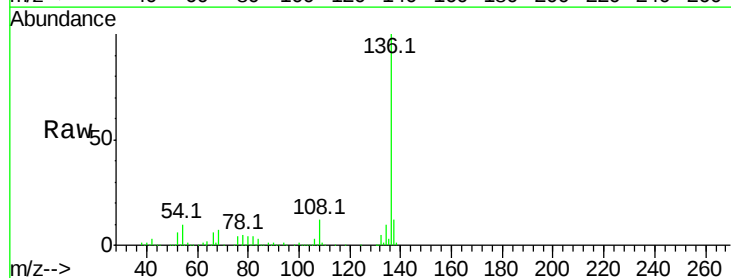
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 10.0 9.1 13.7

68 6.9 5.9 8.9

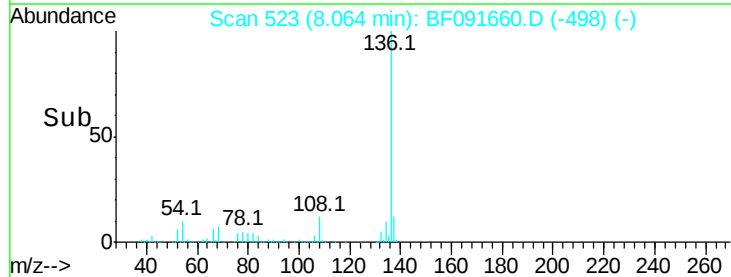
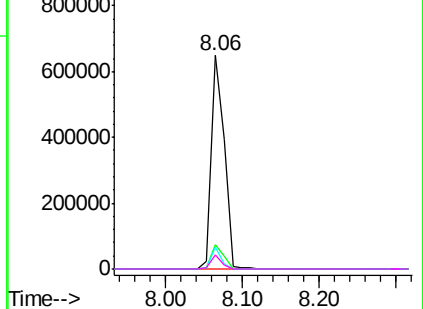


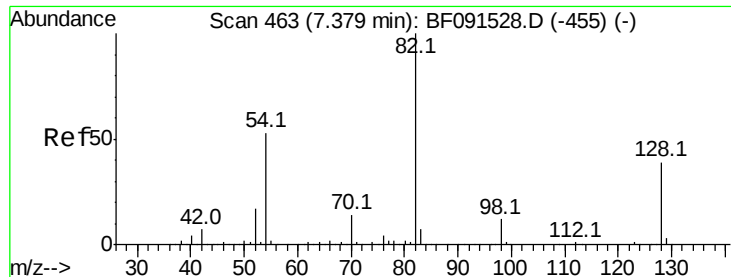
Abundance Ion 136.00 (135.70 to 136.70): E

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

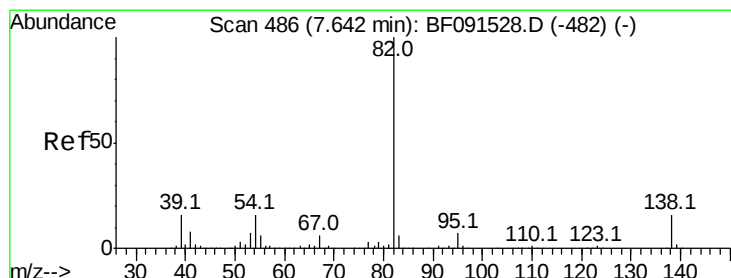
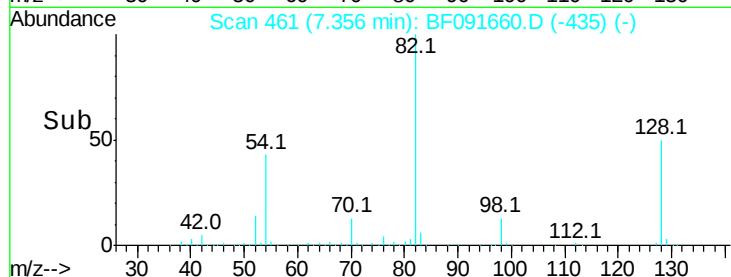
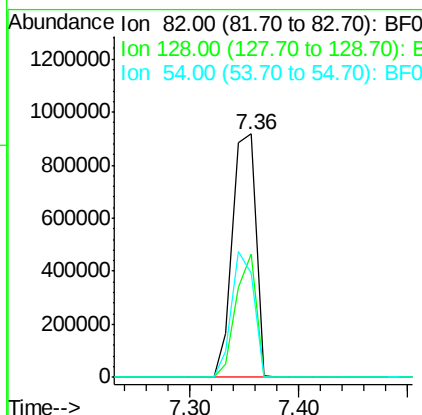
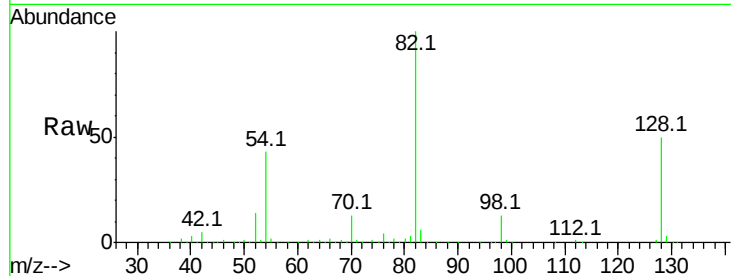




#23
 Nitrobenzene-d5
 Concen: 102.19 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: BF091660.D
 Acq: 16 Dec 2016 7:28

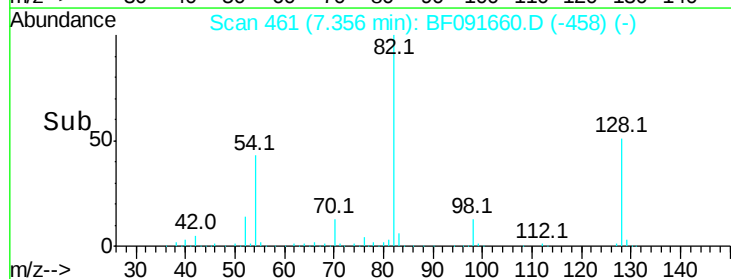
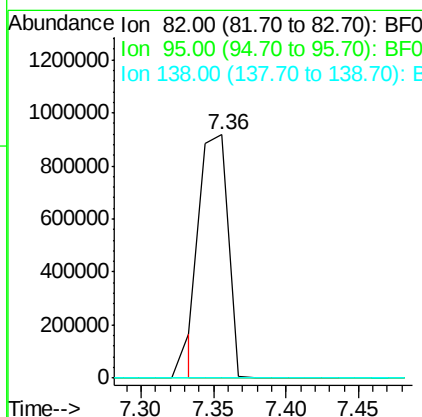
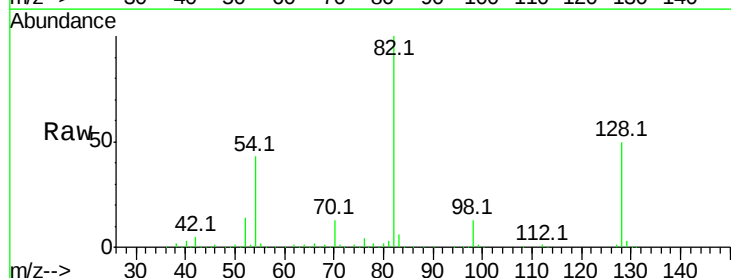
Instrument :
 BNA_F
 ClientSampled :

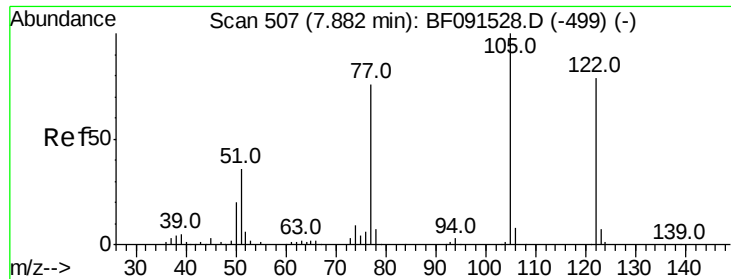
Tot Ion: 82 Resp: 1361576
 Ion Ratio Lower Upper
 82 100
 128 50.5 31.8 47.6#
 54 42.6 49.1 73.7#



#25
 Isophorone
 Concen: 52.52 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.26 min
 Lab File: BF091660.D
 Acq: 16 Dec 2016 7:28

Tgt Ion: 82 Resp: 1243934
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.4 20.0#

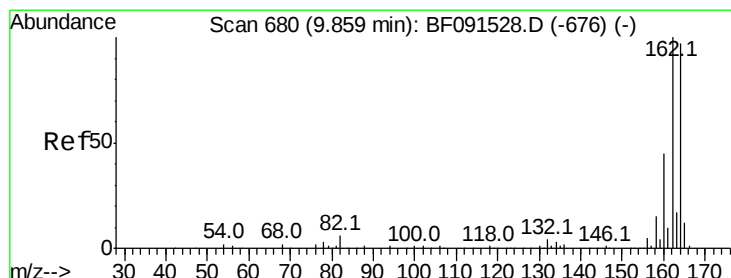
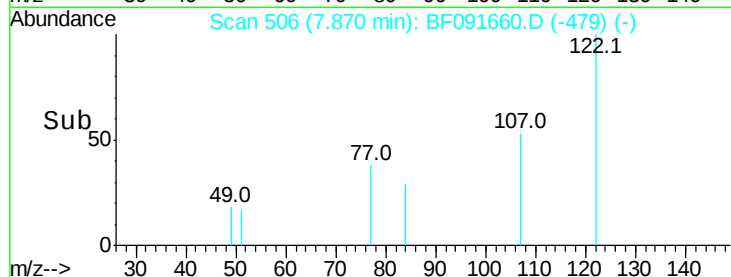
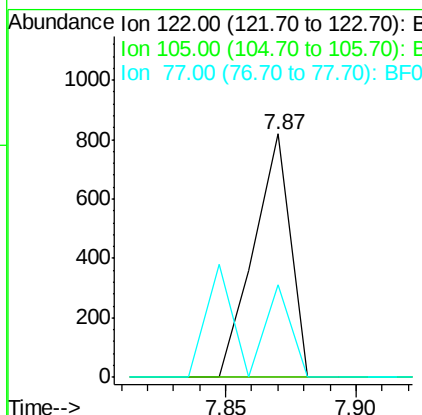
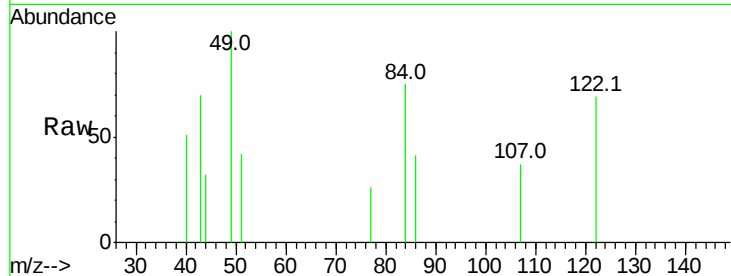




#32
Benzoic acid
Concen: 4.99 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.01 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

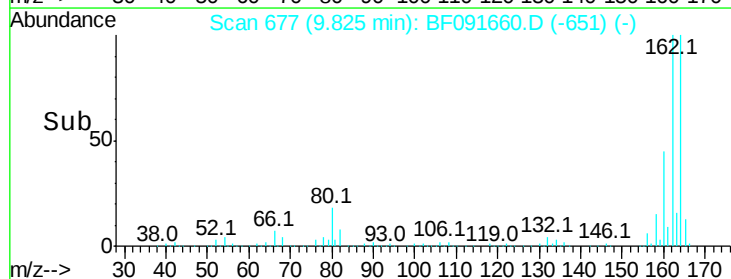
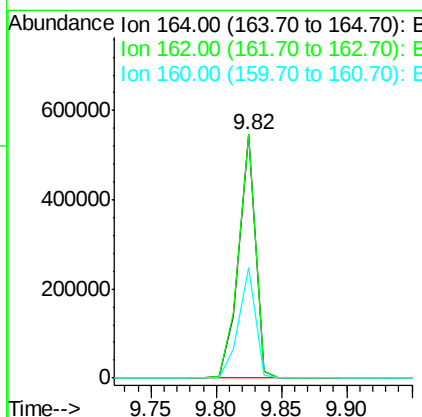
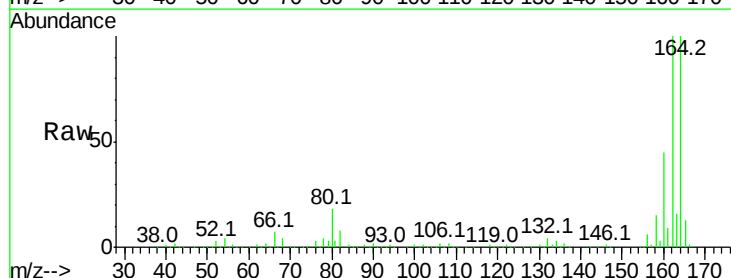
Instrument :
BNA_F
ClientSampled :

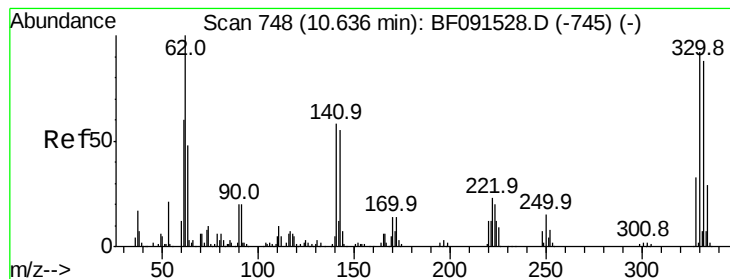
Tot Ion:122 Resp: 809
Ion Ratio Lower Upper
122 100
105 0.0 113.0 153.0#
77 38.1 82.0 122.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

Tgt Ion:164 Resp: 483558
Ion Ratio Lower Upper
164 100
162 99.9 82.6 124.0
160 45.2 36.7 55.1





#41

2,4,6-Tribromophenol

Concen: 104.34 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

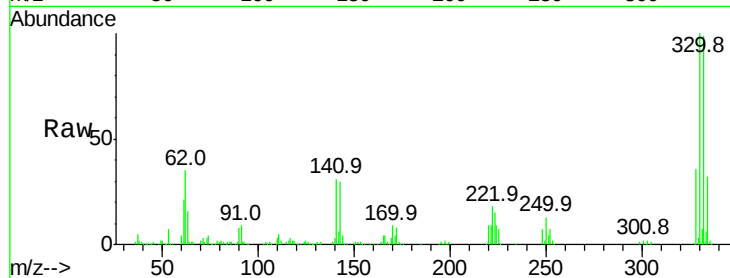
Tot Ion:330 Resp: 419053

Ion Ratio Lower Upper

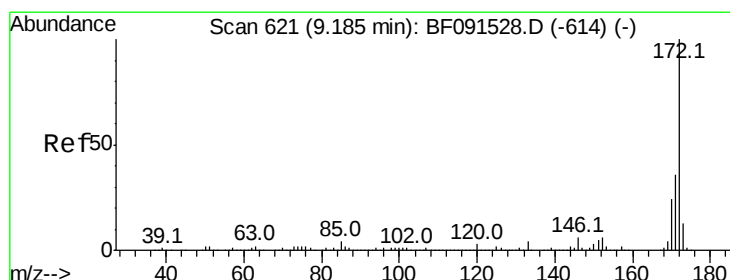
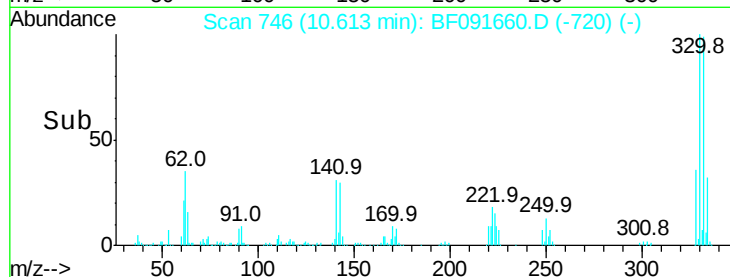
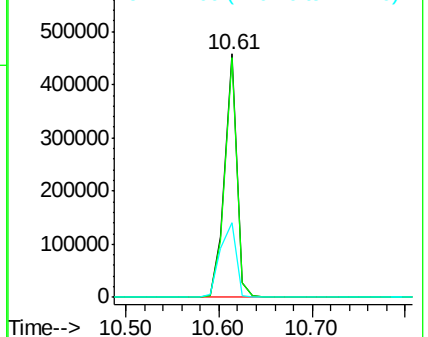
330 100

332 97.8 76.2 114.4

141 40.0 33.6 50.4



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: 72.30 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

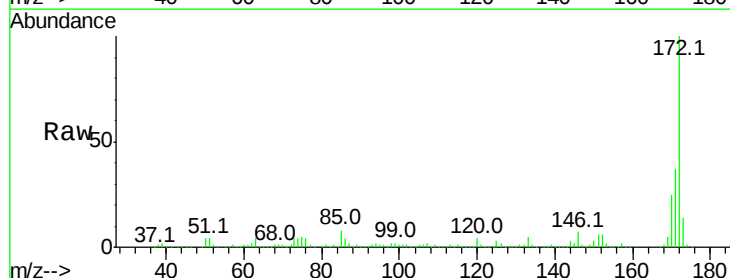
Tgt Ion:172 Resp: 2023313

Ion Ratio Lower Upper

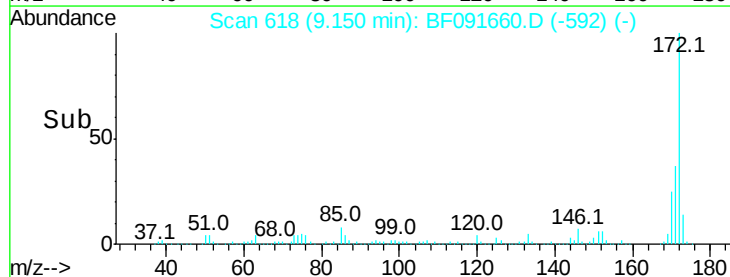
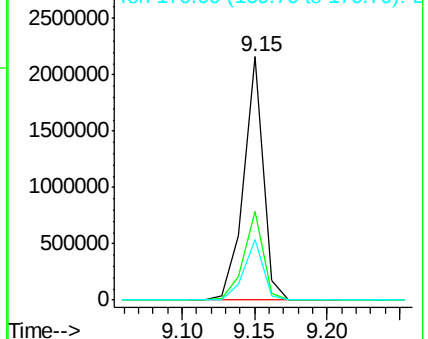
172 100

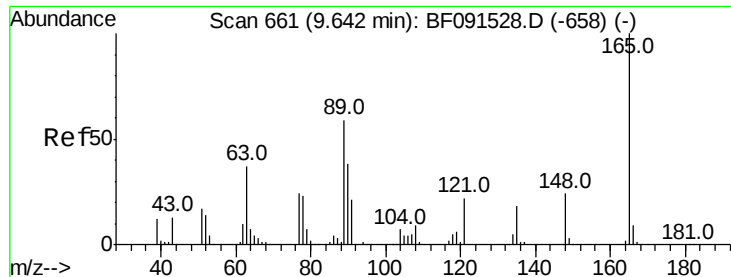
171 36.5 29.4 44.0

170 24.9 19.7 29.5



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: 9.26 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.21 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

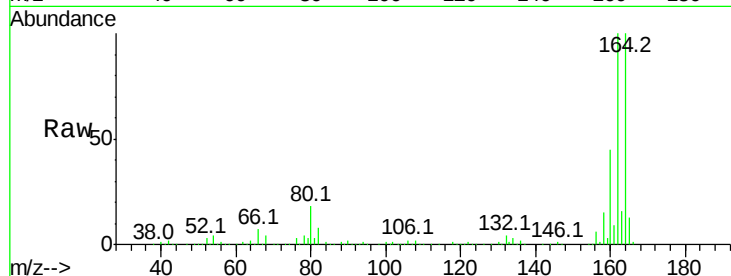
Tot Ion:165 Resp: 62216

Ion Ratio Lower Upper

165 100

63 0.8 59.4 89.0#

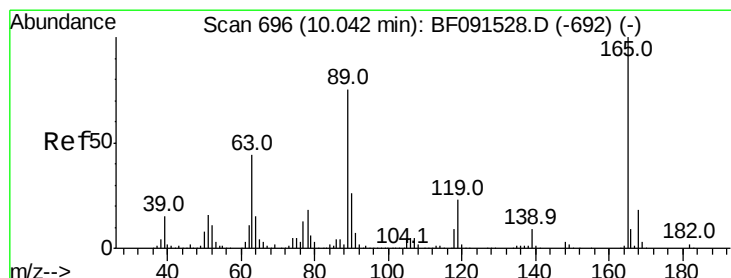
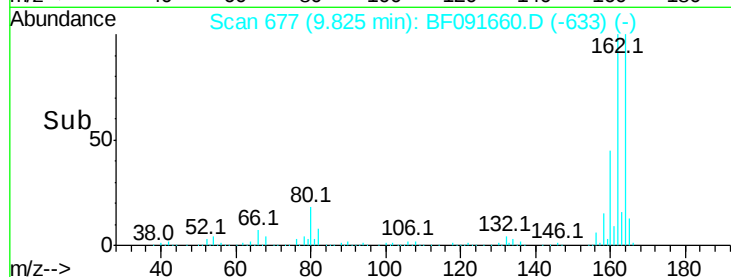
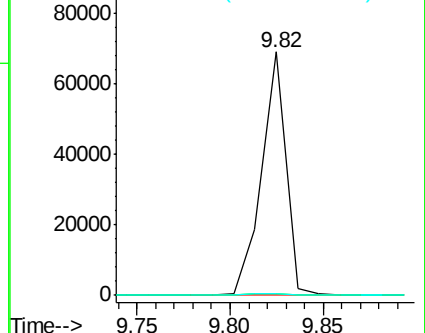
89 0.9 50.8 76.2#



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: 7.39 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.19 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Tgt Ion:165 Resp: 62219

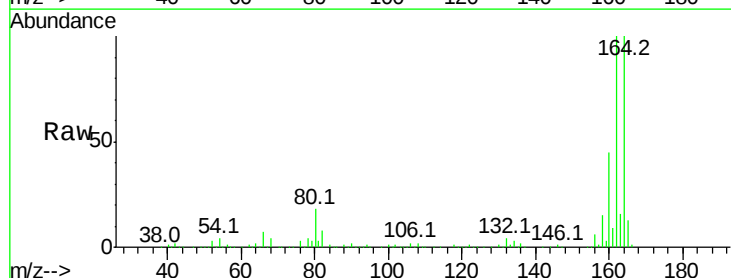
Ion Ratio Lower Upper

165 100

63 0.8 29.0 43.4#

89 0.9 43.1 64.7#

182 0.0 1.9 2.9#

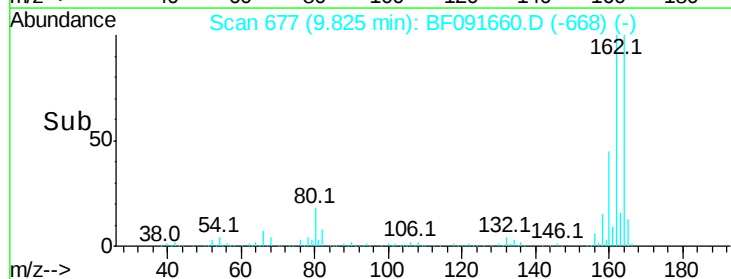
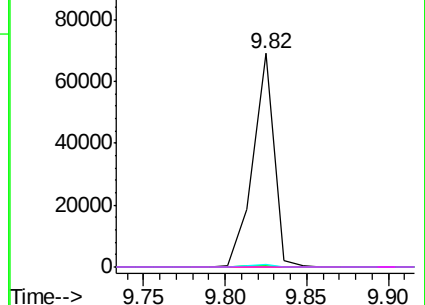


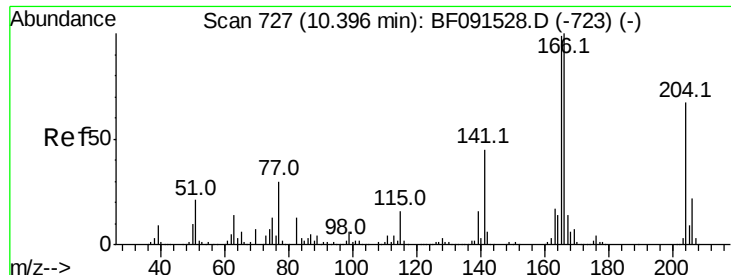
Abundance Ion 165.00 (164.70 to 165.70): E

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

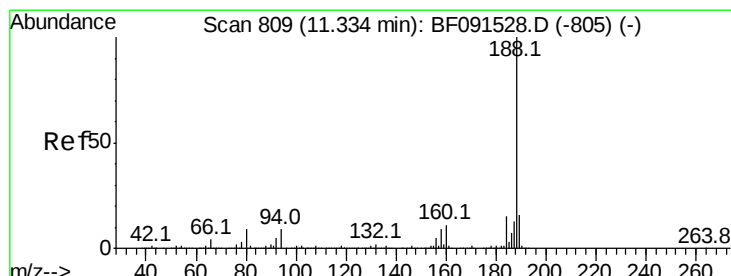
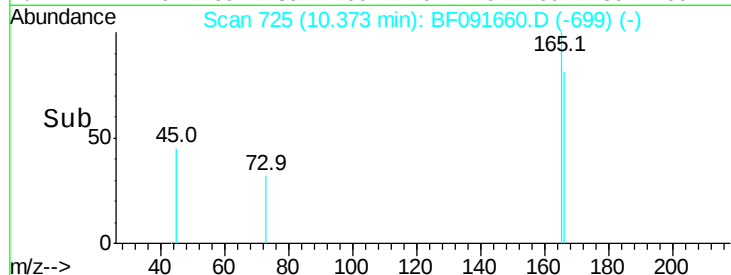
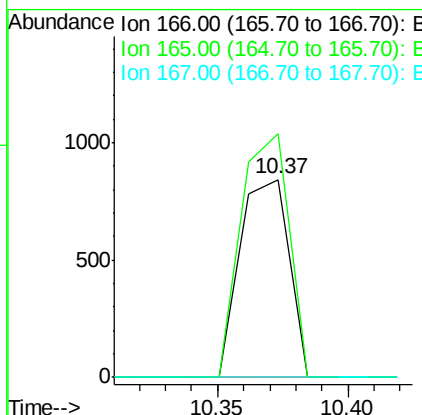
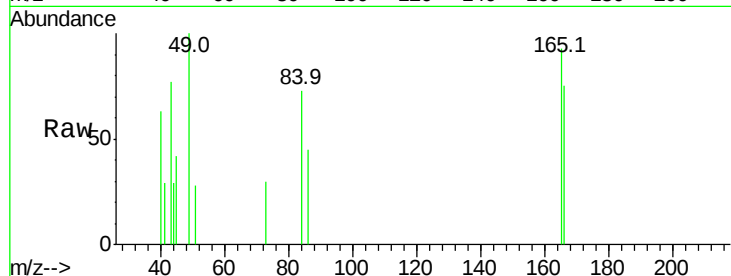




#57
Fluorene
 Concen: Below Cal
 RT: 10.37 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: BF091660.D
 Acq: 16 Dec 2016 7:28

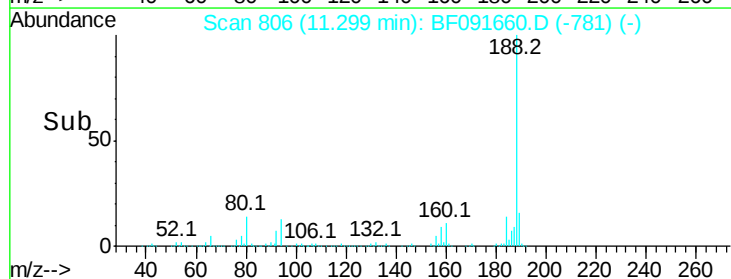
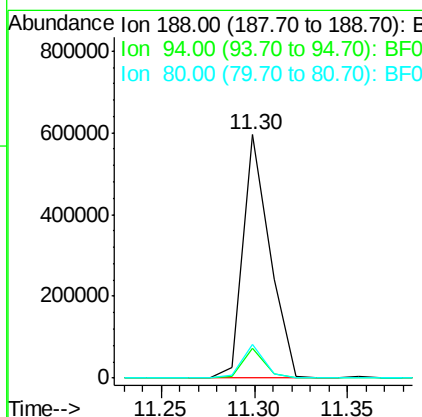
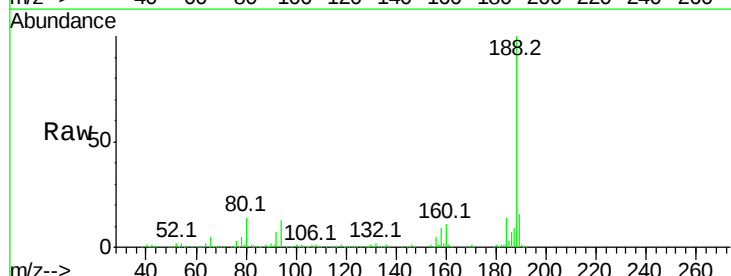
Instrument :
 BNA_F
 ClientSampled :

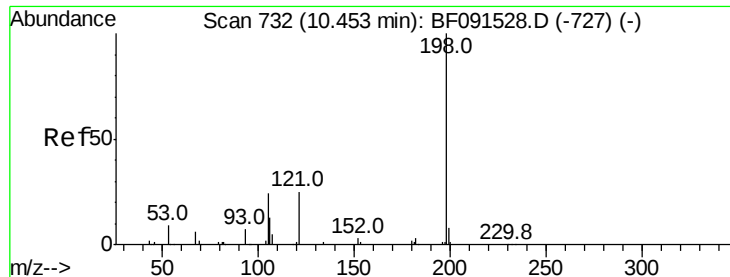
Tot Ion:166 Resp: 1112
 Ion Ratio Lower Upper
 166 100
 165 123.0 80.0 120.0#
 167 0.0 10.8 16.2#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF091660.D
 Acq: 16 Dec 2016 7:28

Tgt Ion:188 Resp: 596396
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.2 13.8
 80 14.0 10.5 15.7

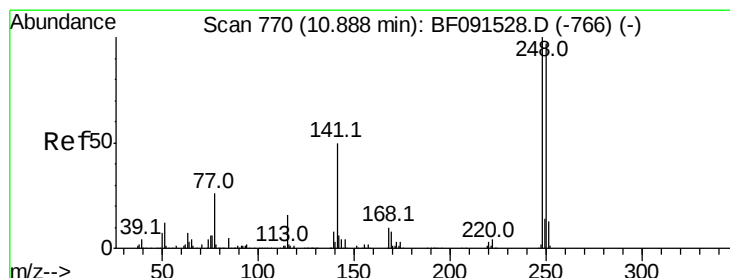
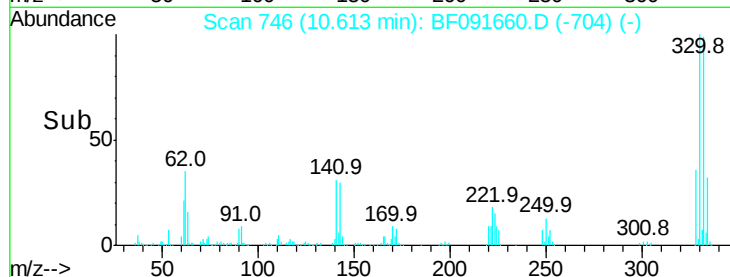
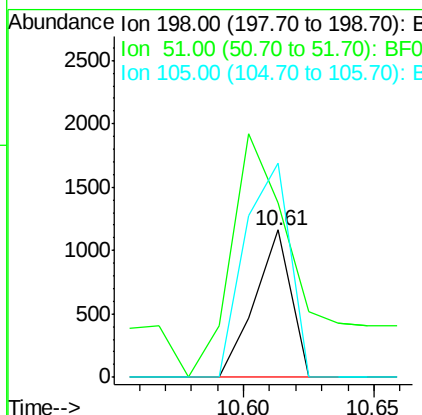
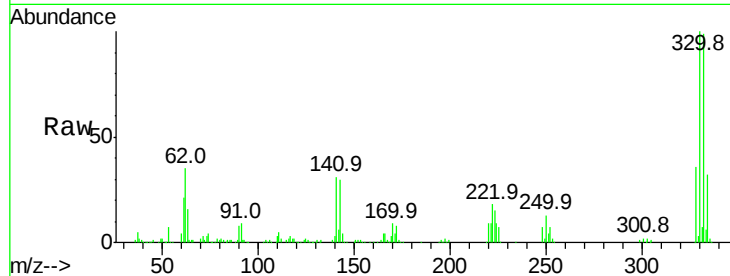




#64
4,6-Dinitro-2-methylphenol
Concen: 3.23 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.18 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

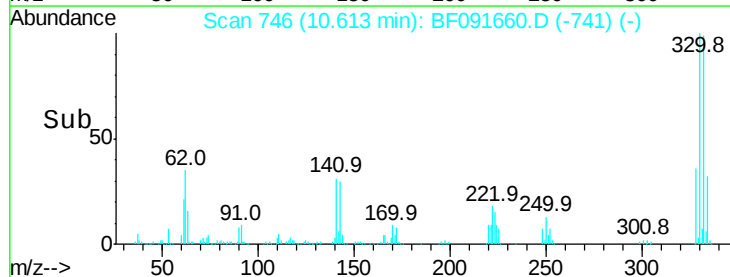
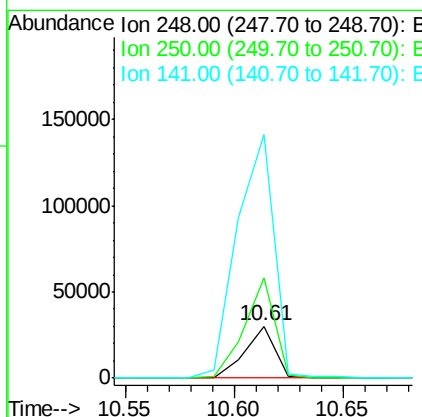
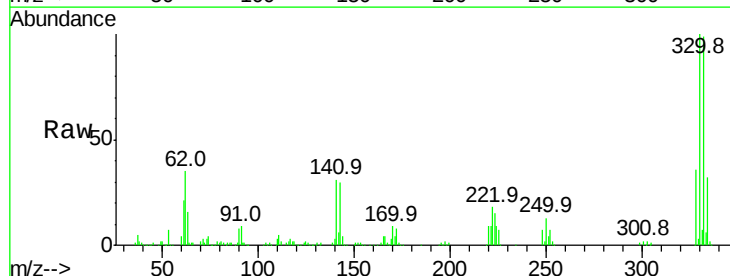
Instrument :
BNA_F
ClientSampleId :

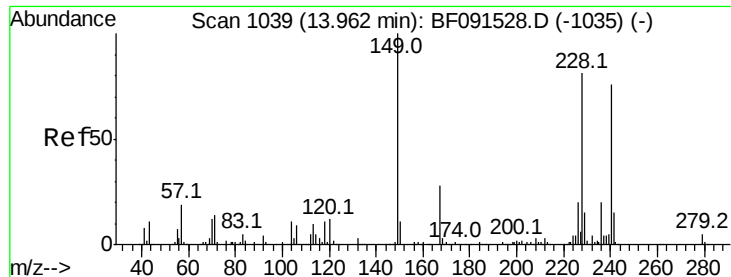
Tot Ion:198 Resp: 1116
Ion Ratio Lower Upper
198 100
51 118.1 77.1 117.1#
105 145.1 44.8 84.8#



#66
4-Bromophenyl-phenylether
Concen: 4.68 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.24 min
Lab File: BF091660.D
Acq: 16 Dec 2016 7:28

Tgt Ion:248 Resp: 28636
Ion Ratio Lower Upper
248 100
250 193.3 78.2 117.4#
141 469.1 71.9 107.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

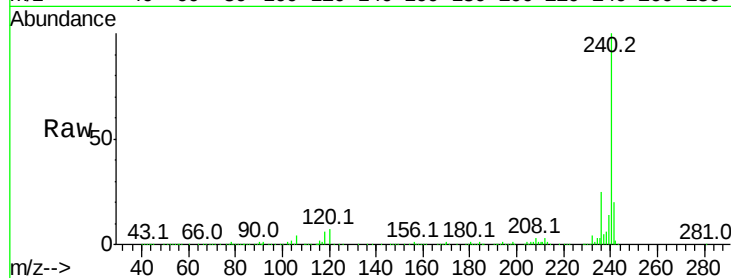
Tot Ion:240 Resp: 550077

Ion Ratio Lower Upper

240 100

120 6.6 12.1 18.1#

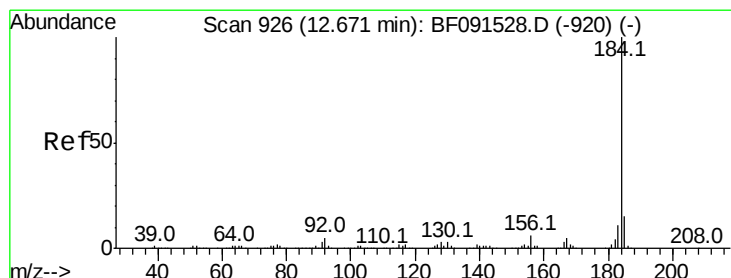
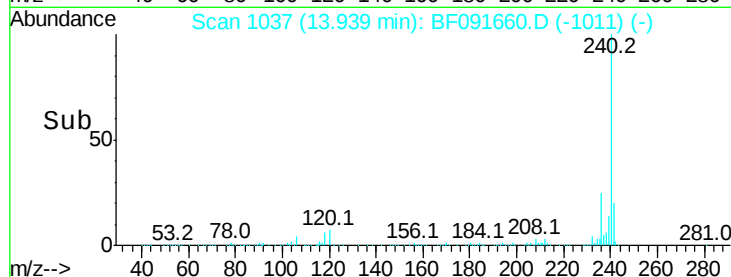
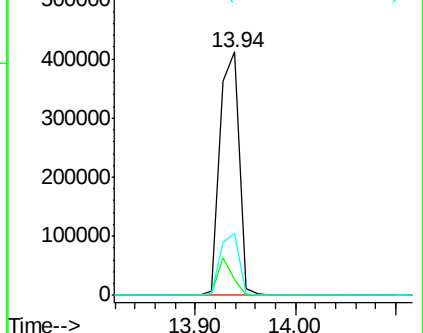
236 25.3 21.0 31.6



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



#76

Benzidine

Concen: 33.94 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

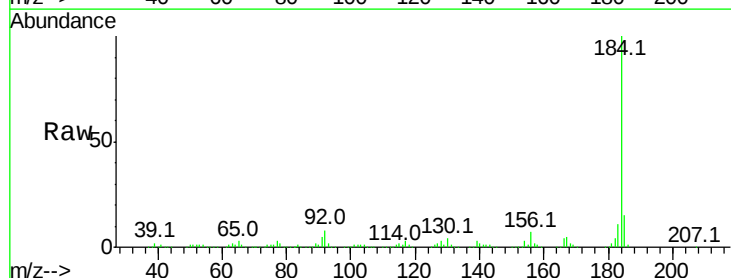
Tgt Ion:184 Resp: 577206

Ion Ratio Lower Upper

184 100

185 14.7 13.1 19.7

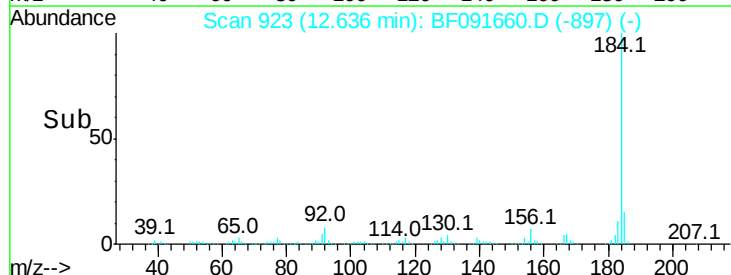
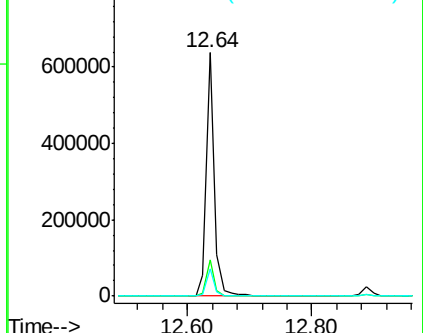
183 11.3 8.9 13.3

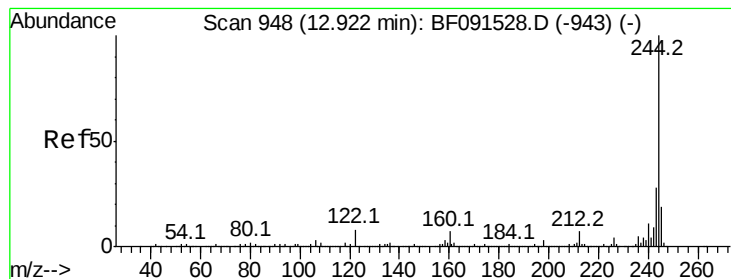


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 74.51 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

Instrument :

BNA_F

ClientSampleId :

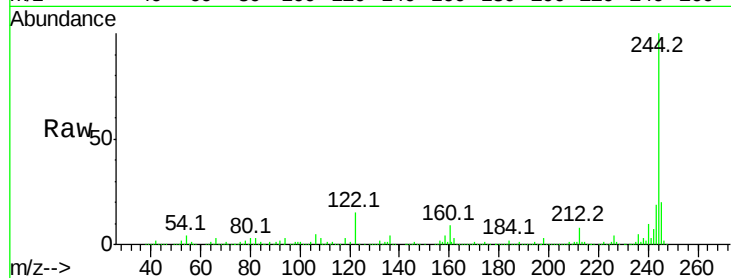
Tot Ion:244 Resp: 1806236

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

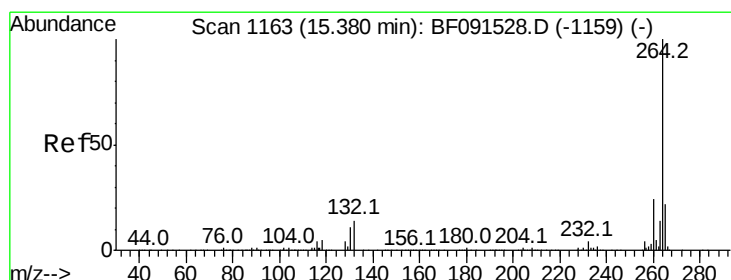
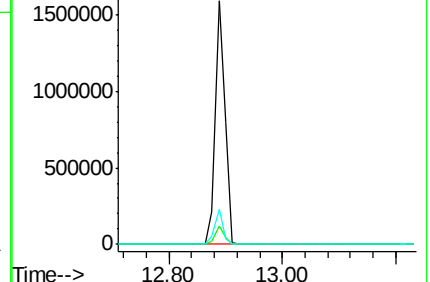
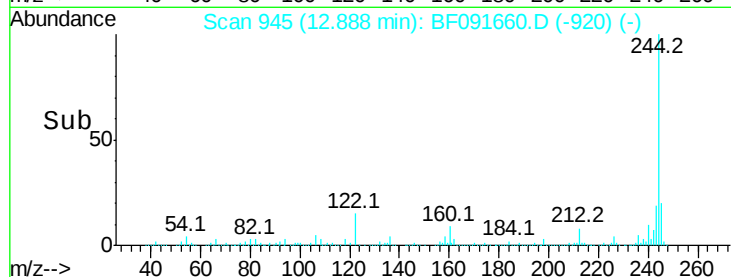
122 14.5 9.5 14.3#



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: 15.35 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF091660.D

Acq: 16 Dec 2016 7:28

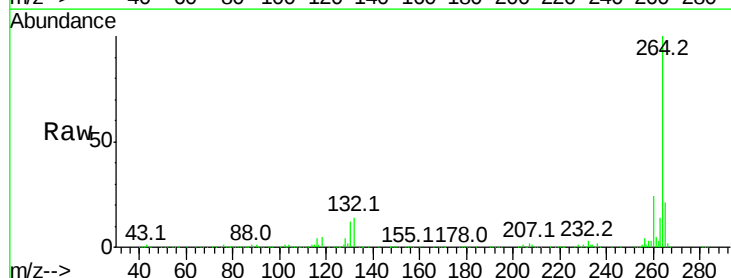
Tgt Ion:264 Resp: 440310

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 20.9 17.0 25.6



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

