

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091557.D
 Acq On : 13 Dec 2016 16:45
 Operator : UM/SJ
 Sample : H6009-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1M-AGG-HP-03

Quant Time: Dec 14 00:20:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

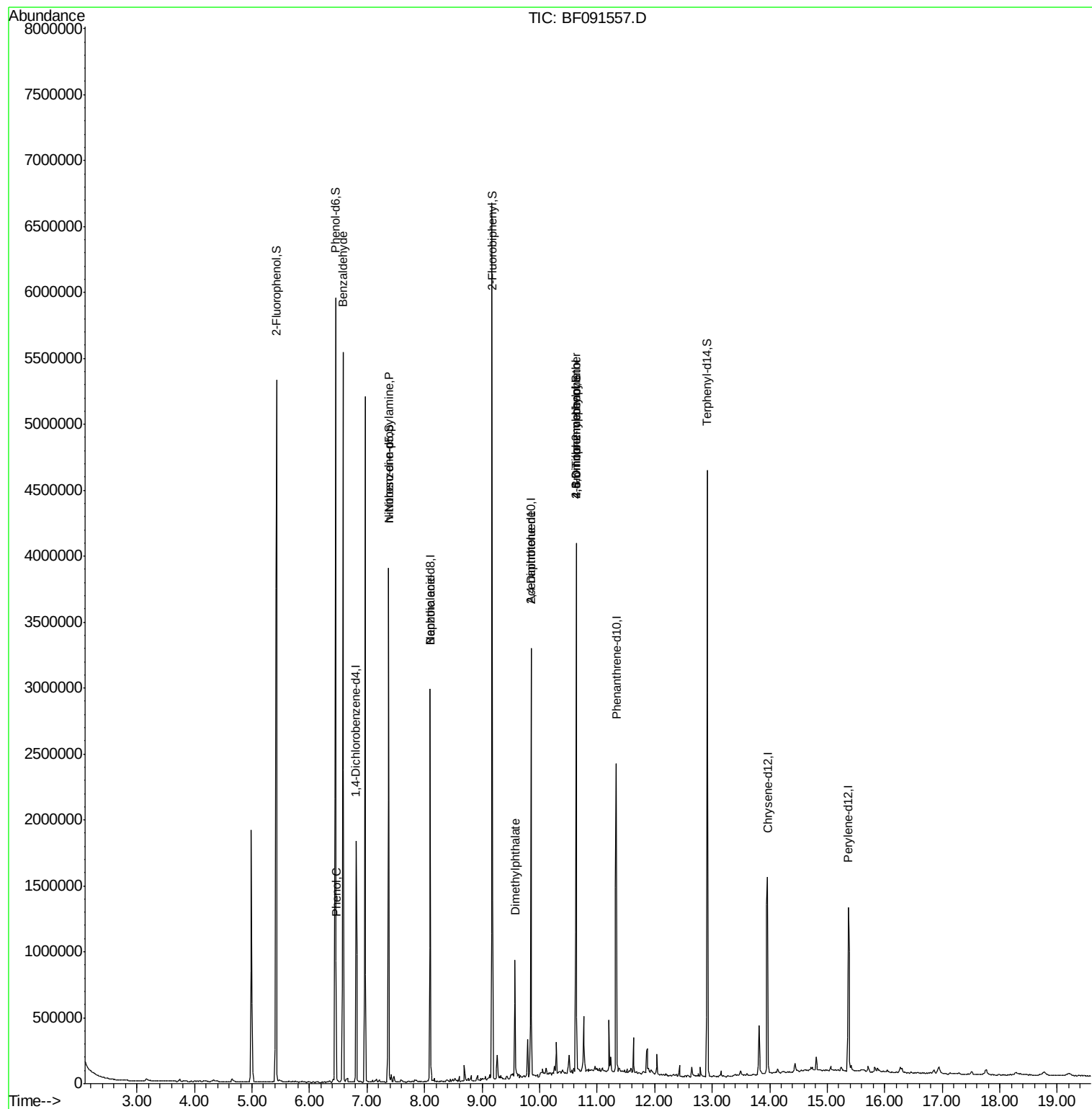
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	322069	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1366268	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	641362	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	1058541	20.00	ng	0.00
75) Chrysene-d12	13.96	240	741680	20.00	ng	0.00
86) Perylene-d12	15.37	264	638330	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1859139	97.25	ng	0.01
7) Phenol-d6	6.45	99	2012784	84.46	ng	0.00
23) Nitrobenzene-d5	7.38	82	1520625	62.12	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	434966	81.65	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2075341	55.91	ng	-0.01
78) Terphenyl-d14	12.91	244	1852014	56.66	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.58	77	40225	2.45	ng	86
10) Phenol	6.46	94	157780	5.66	ng	82
19) n-Nitroso-di-n-propylamine	7.38	70	204462	13.72	ng	# 59
20) 3+4-Methylphenols	7.23	107	519	Below Cal	#	12
32) Benzoic acid	8.10	122	259	4.91	ng	# 1
49) Dimethylphthalate	9.57	163	459903	11.32	ng	99
56) 2,4-Dinitrotoluene	9.85	165	88513	7.92	ng	# 34
57) Fluorene	10.40	166	3985	Below Cal	#	95
64) 4,6-Dinitro-2-methylphenol	10.64	198	1101	3.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	29721	2.74	ng	# 1

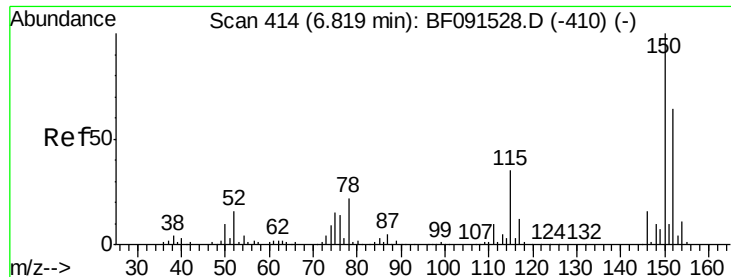
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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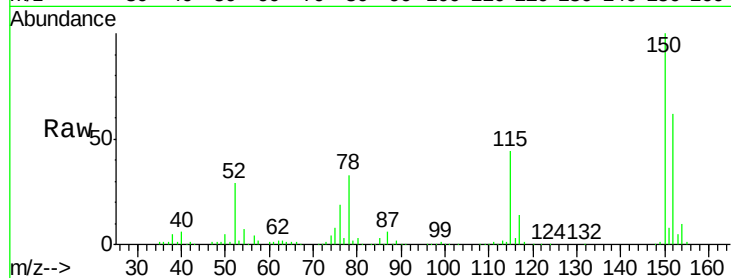


#1

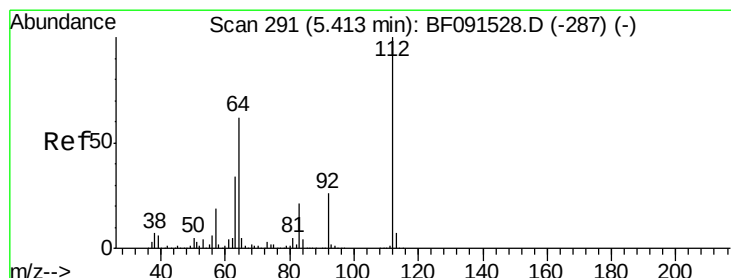
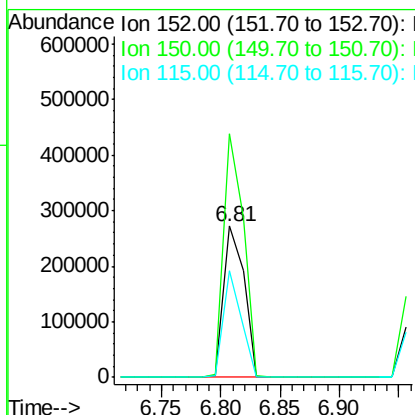
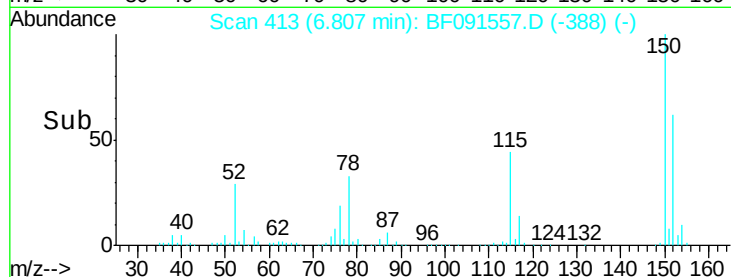
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF091557.D
Acq: 13 Dec 2016 16:45

Instrument :
BNA_F
ClientSampleId :
1M-AGG-HP-03

Tgt Ion:152 Resp: 322069
Ion Ratio Lower Upper
152 100
150 161.0 122.5 183.7
115 70.5 51.8 77.8



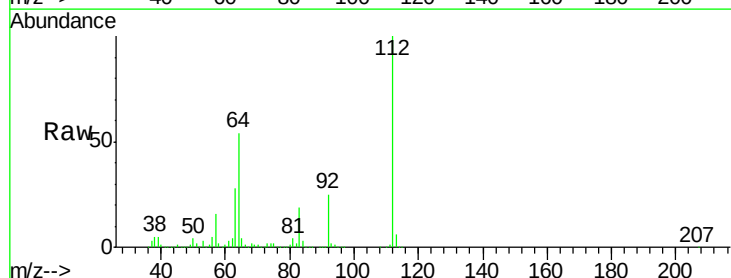
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



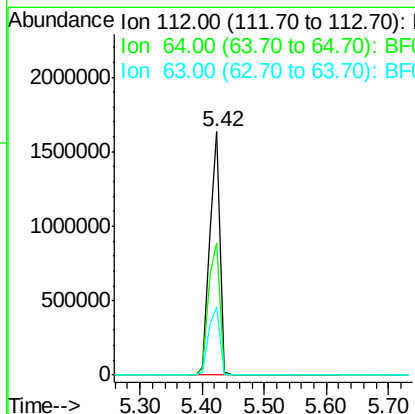
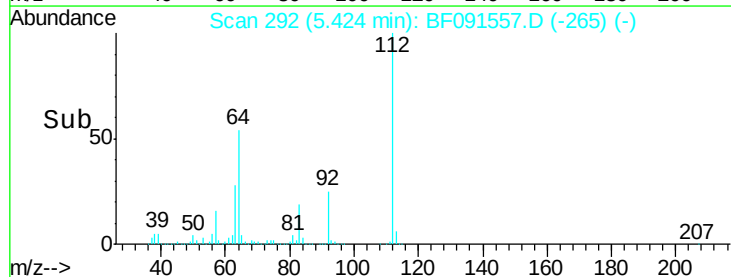
#5

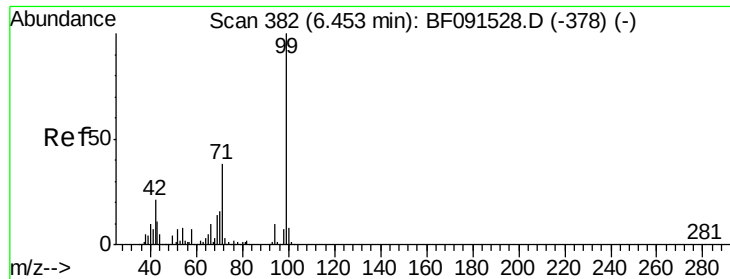
2-Fluorophenol
Concen: 97.25 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF091557.D
Acq: 13 Dec 2016 16:45

Tgt Ion:112 Resp: 1859139
Ion Ratio Lower Upper
112 100
64 54.4 61.5 92.3#
63 27.8 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: 84.46 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

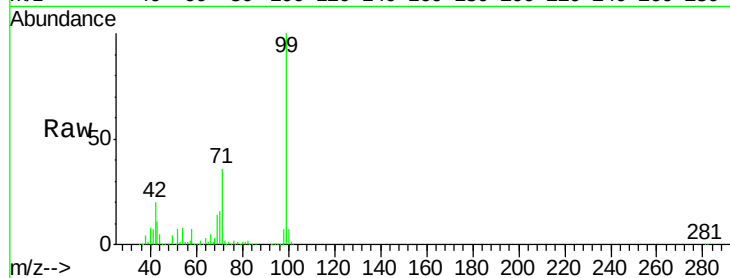
Tgt Ion: 99 Resp: 2012784

Ion Ratio Lower Upper

99 100

42 20.1 20.6 31.0#

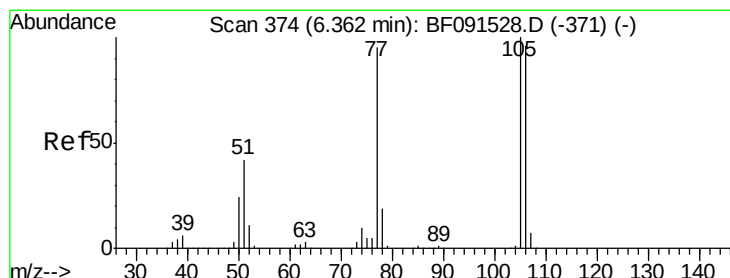
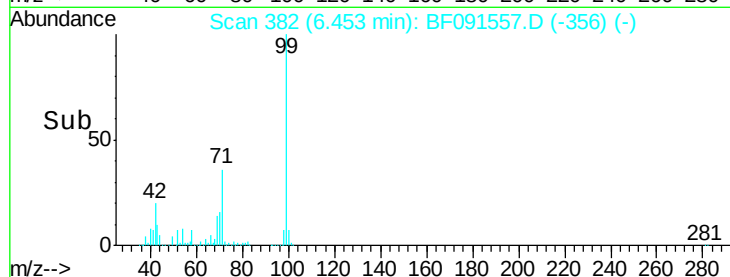
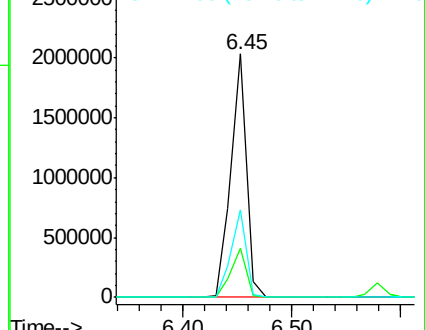
71 36.2 29.9 44.9



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: 2.45 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.22 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

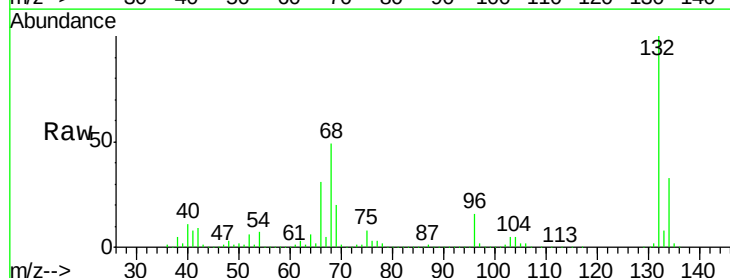
Tgt Ion: 77 Resp: 40225

Ion Ratio Lower Upper

77 100

105 76.3 66.4 106.4

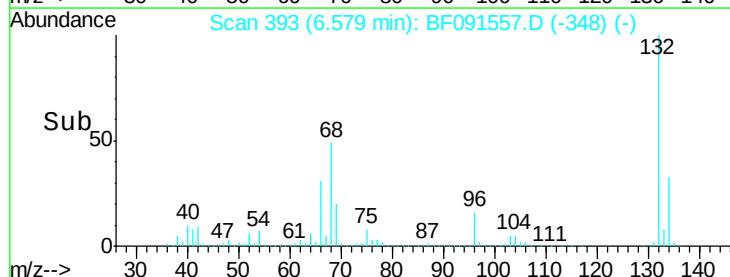
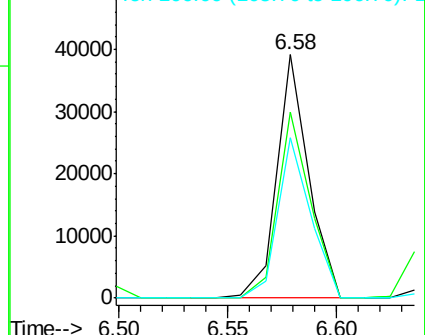
106 65.8 60.9 100.9

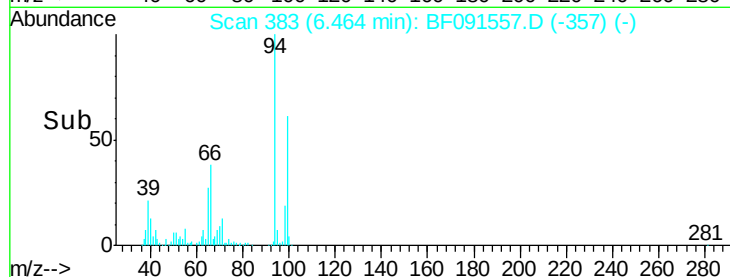
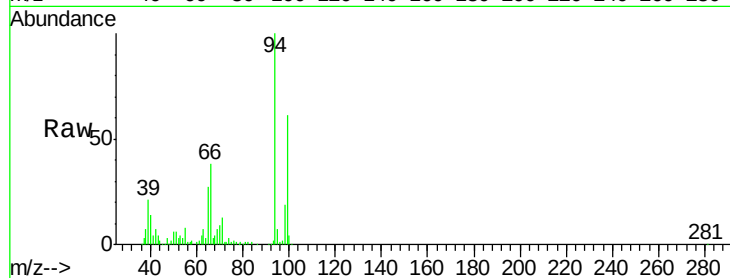
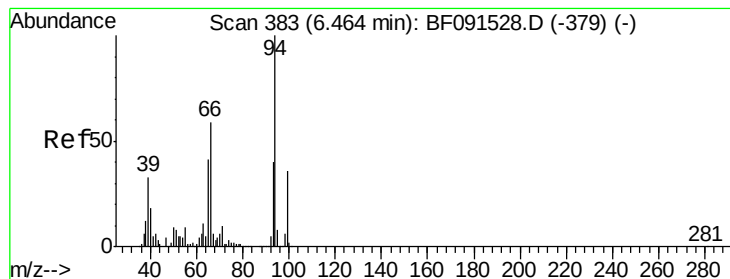


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.66 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

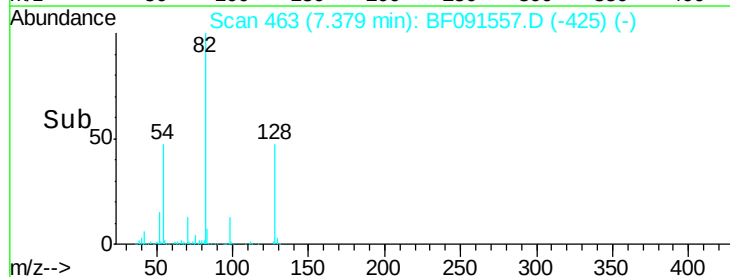
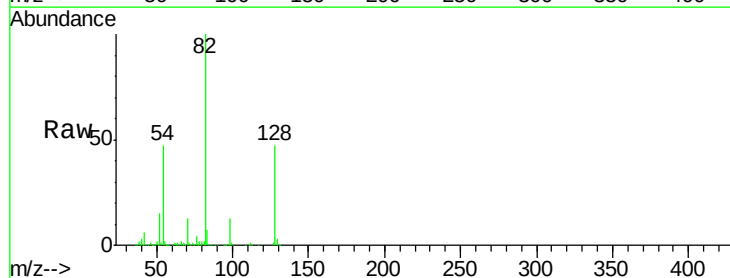
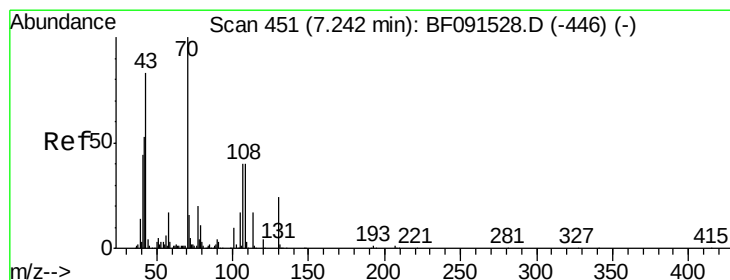
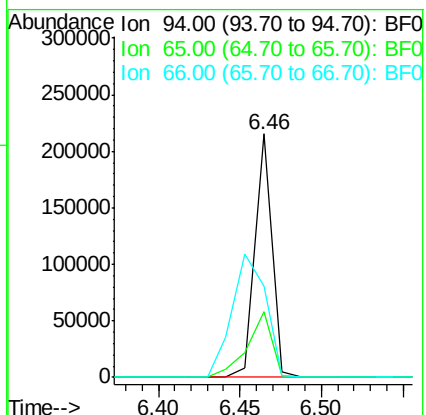
Tgt Ion: 94 Resp: 157780

Ion Ratio Lower Upper

94 100

65 27.2 16.9 56.9

66 37.6 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.72 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.14 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Tgt Ion: 70 Resp: 204462

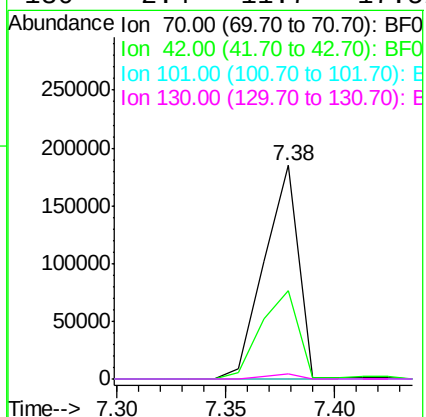
Ion Ratio Lower Upper

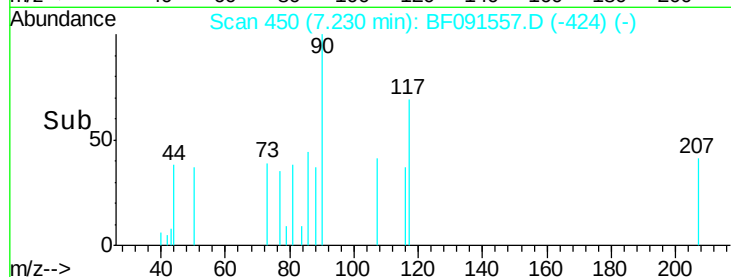
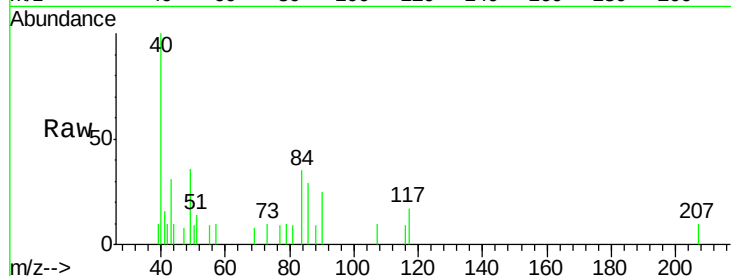
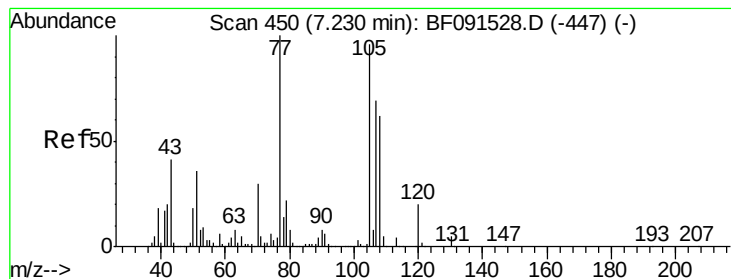
70 100

42 41.6 64.8 97.2#

101 0.0 6.2 9.4#

130 2.4 11.7 17.5#





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.23 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

Tgt Ion:107 Resp: 519

Ion Ratio Lower Upper

107 100

108 0.0 64.6 104.6#

77 86.4 30.9 70.9#

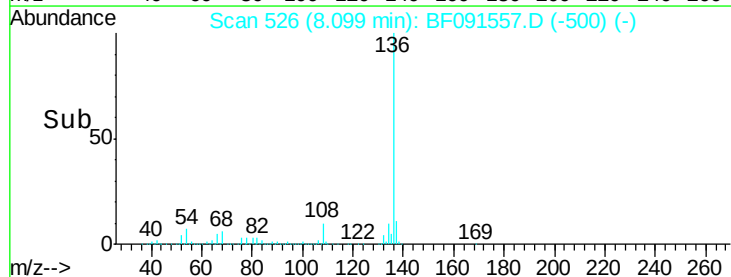
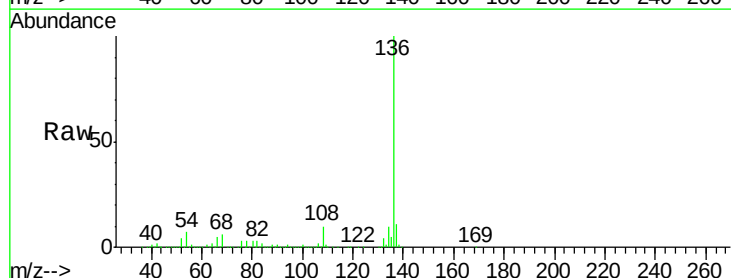
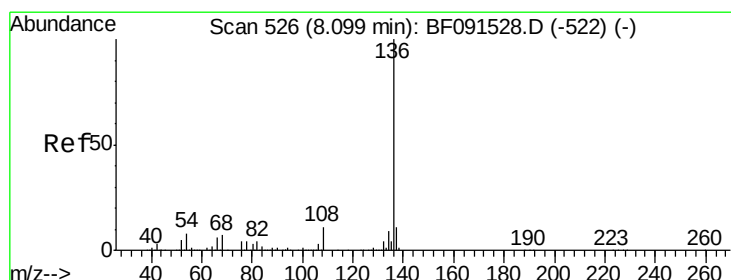
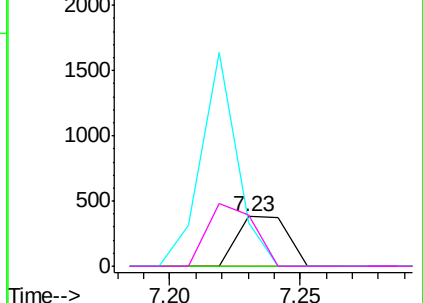
79 102.6 9.3 49.3#

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: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Tgt Ion:136 Resp: 1366268

Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.0 9.1 13.7#

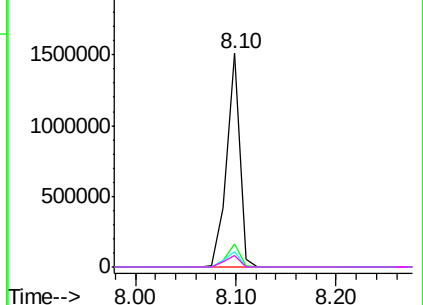
68 5.7 5.9 8.9#

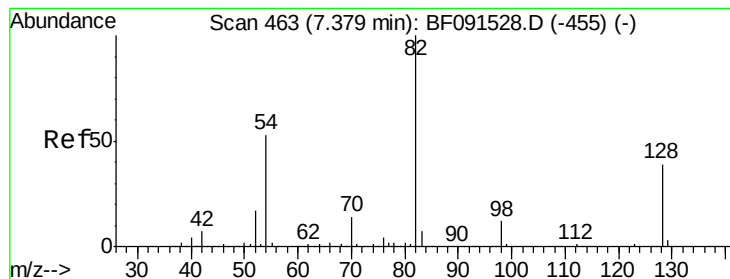
Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.12 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

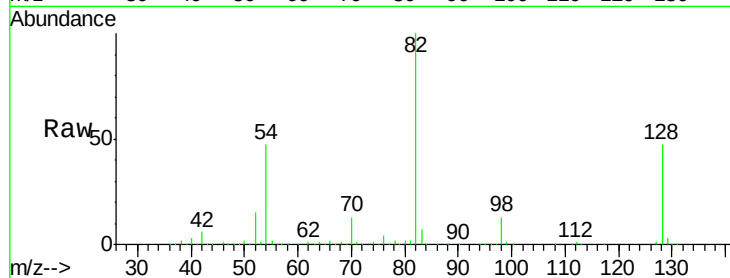
Tgt Ion: 82 Resp: 1520625

Ion Ratio Lower Upper

82 100

128 47.0 31.8 47.6

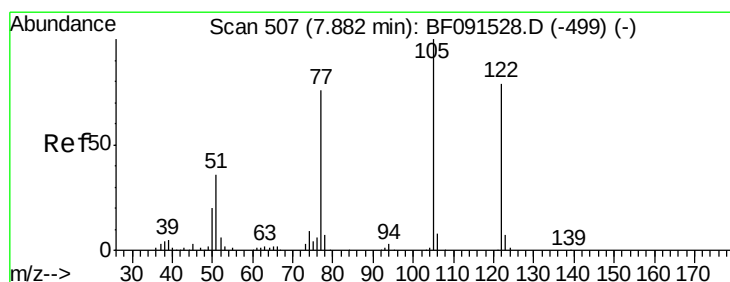
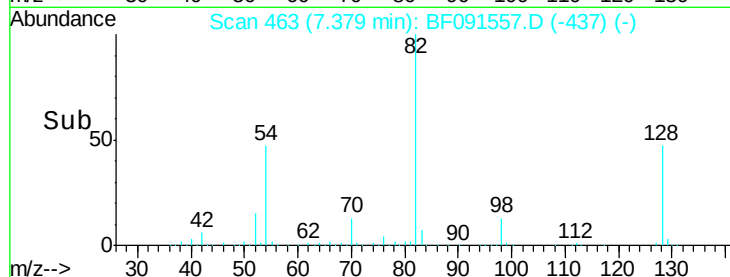
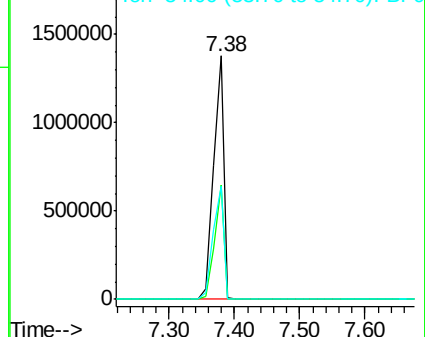
54 46.7 49.1 73.7#



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



#32

Benzoic acid

Concen: 4.91 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.22 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

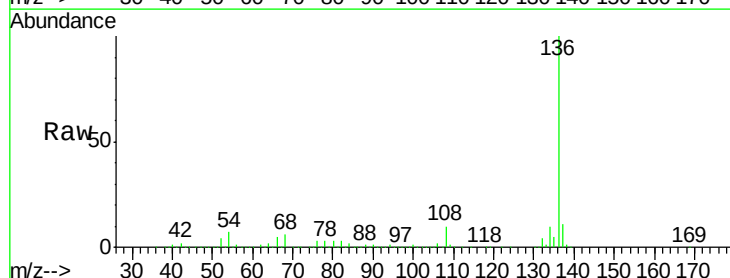
Tgt Ion: 122 Resp: 259

Ion Ratio Lower Upper

122 100

105 323.0 113.0 153.0#

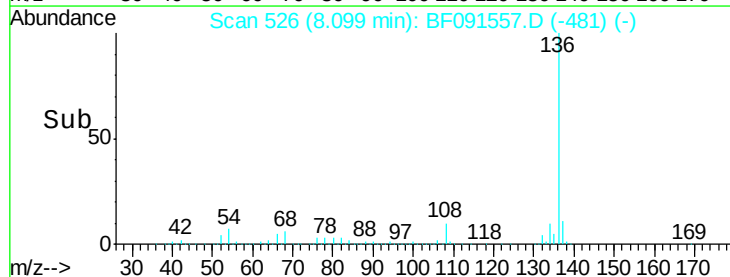
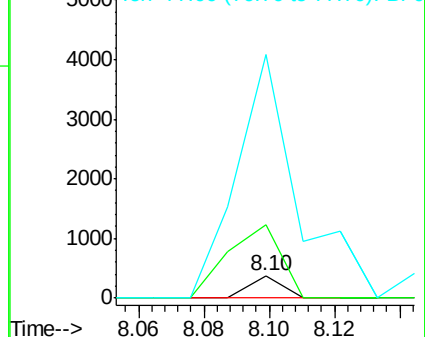
77 1080.2 82.0 122.0#

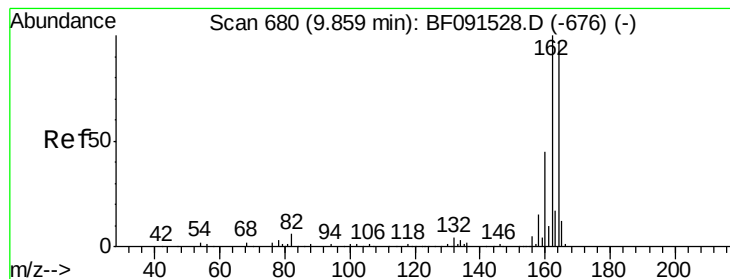


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

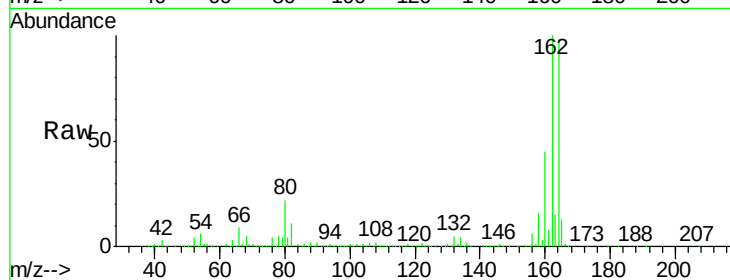
Tgt Ion:164 Resp: 641362

Ion Ratio Lower Upper

164 100

162 101.9 82.6 124.0

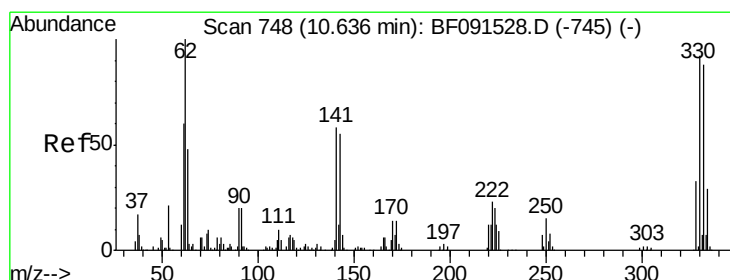
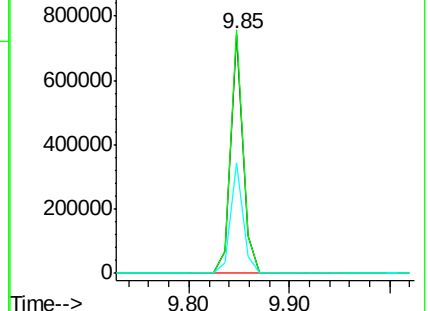
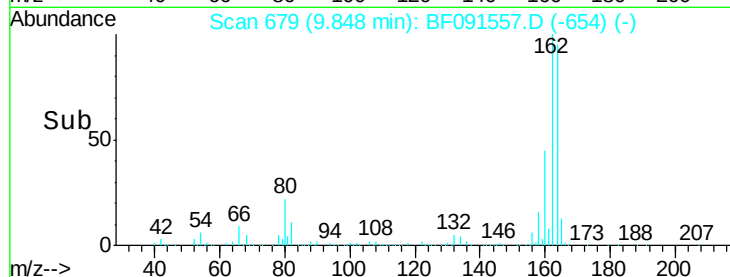
160 46.3 36.7 55.1



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: 81.65 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

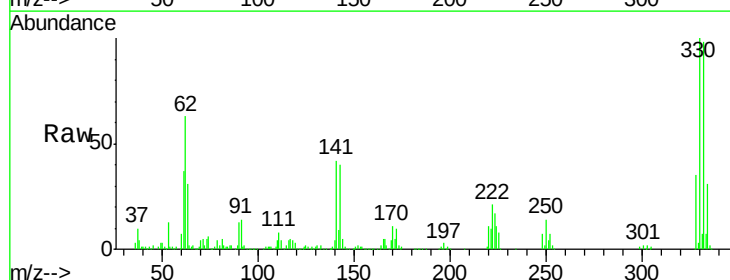
Tgt Ion:330 Resp: 434966

Ion Ratio Lower Upper

330 100

332 97.2 76.2 114.4

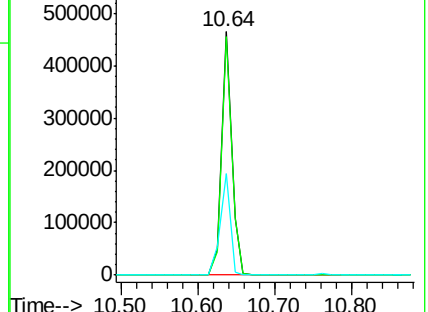
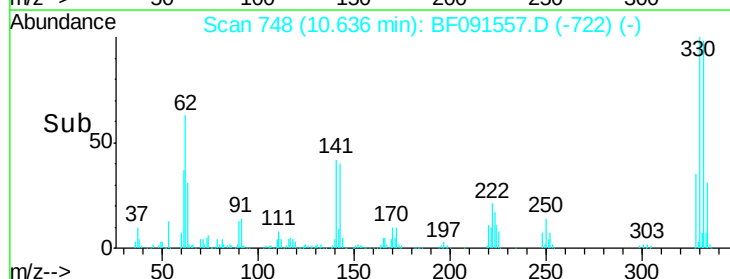
141 40.8 33.6 50.4

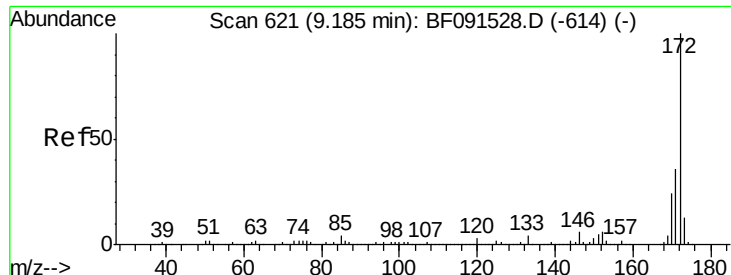


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

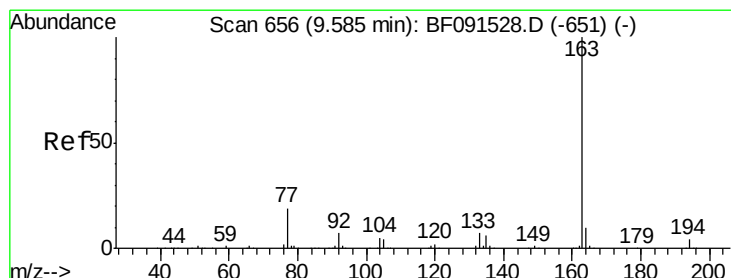
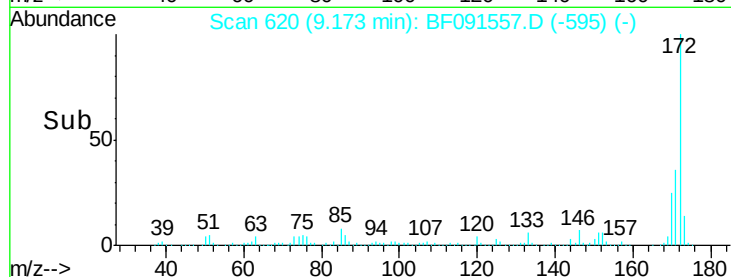
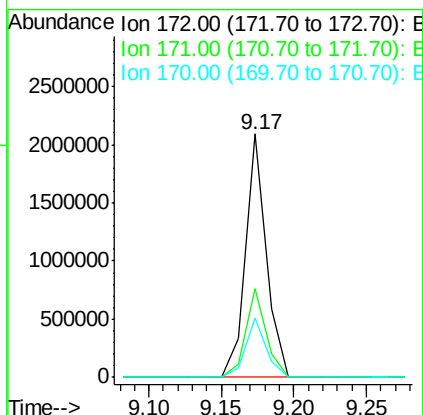
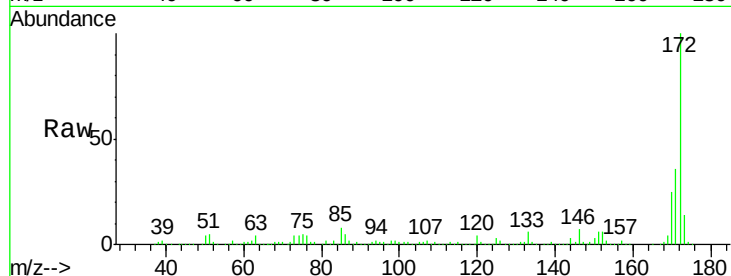




#44
2-Fluorobiphenyl
Concen: 55.91 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF091557.D
Acq: 13 Dec 2016 16:45

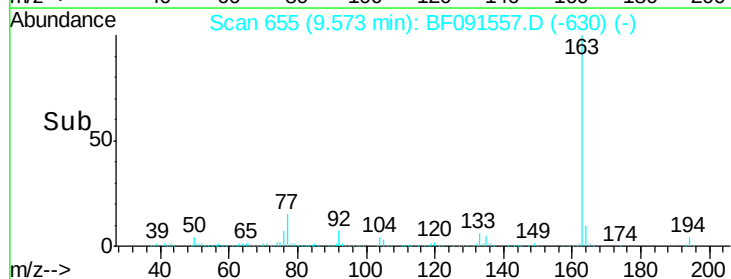
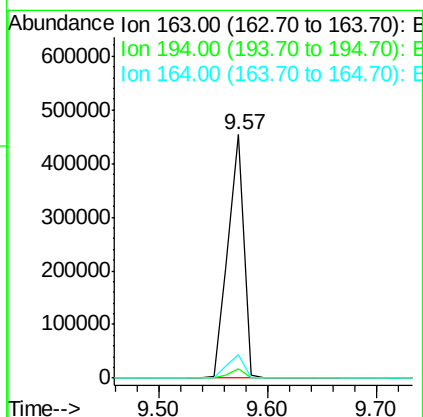
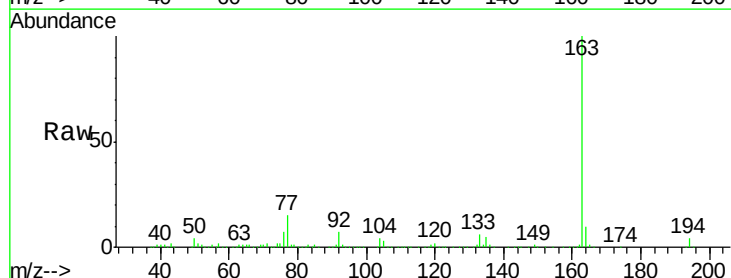
Instrument :
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ClientSampleId :
1M-AGG-HP-03

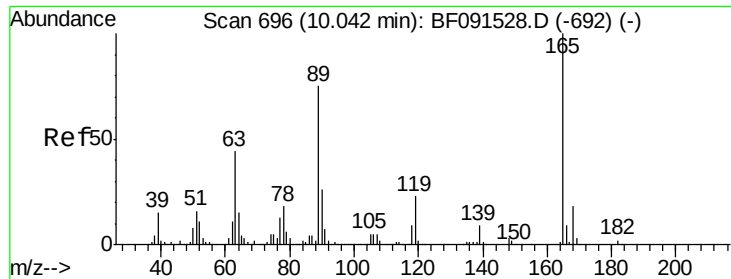
Tgt Ion:172 Resp: 2075341
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.5 19.7 29.5



#49
Dimethylphthalate
Concen: 11.32 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091557.D
Acq: 13 Dec 2016 16:45

Tgt Ion:163 Resp: 459903
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 9.5 7.8 11.8

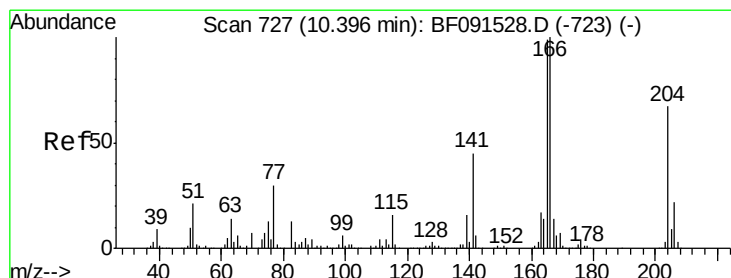
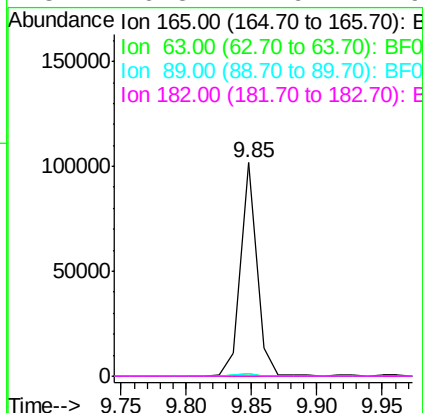
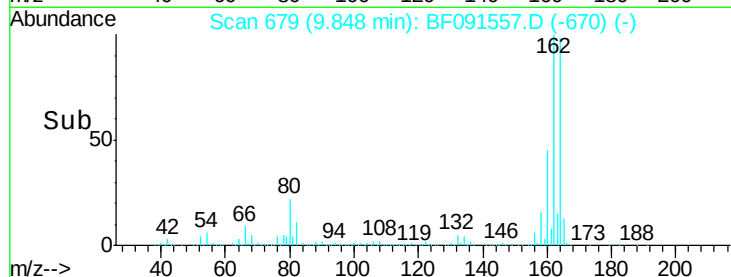
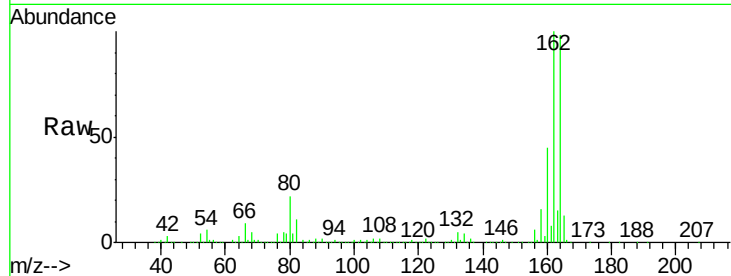




#56
2,4-Dinitrotoluene
Concen: 7.92 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF091557.D
Acq: 13 Dec 2016 16:45

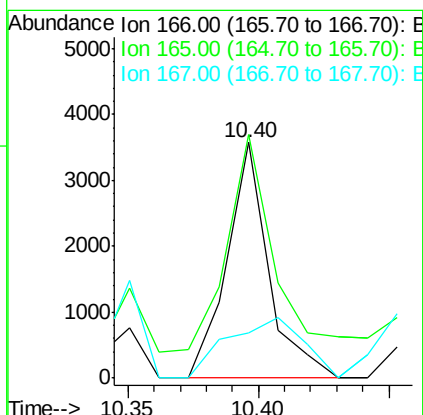
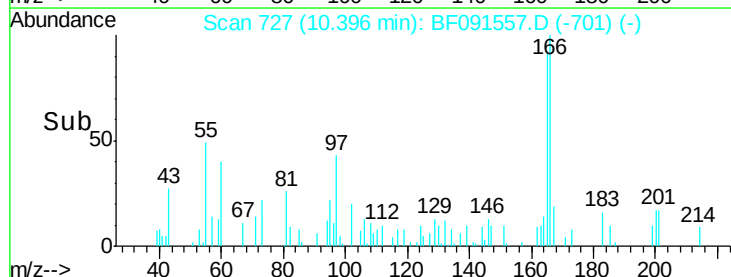
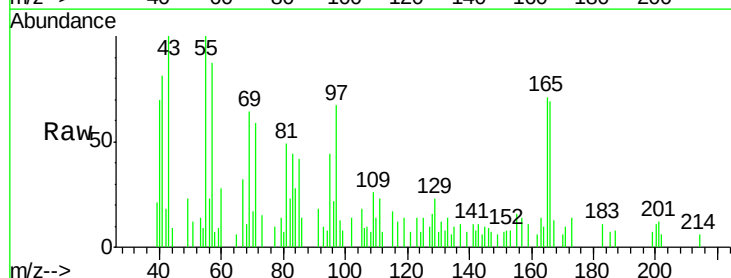
Instrument :
BNA_F
ClientSampleId :
1M-AGG-HP-03

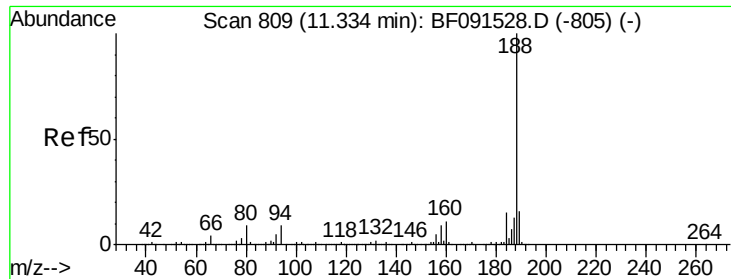
Tgt Ion:	165	Resp:	88513
Ion Ratio	Lower	Upper	
165	100		
63	1.2	29.0	43.4#
89	1.1	43.1	64.7#
182	0.3	1.9	2.9#



#57
Fluorene
Concen: Below Cal
RT: 10.40 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF091557.D
Acq: 13 Dec 2016 16:45

Tgt Ion:	166	Resp:	3985
Ion Ratio	Lower	Upper	
166	100		
165	103.4	80.0	120.0
167	19.4	10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

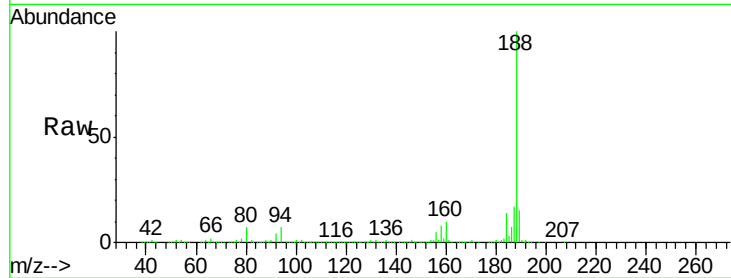
Tgt Ion:188 Resp: 1058541

Ion Ratio Lower Upper

188 100

94 7.2 9.2 13.8#

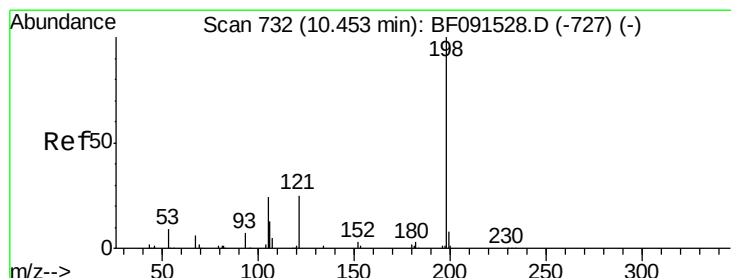
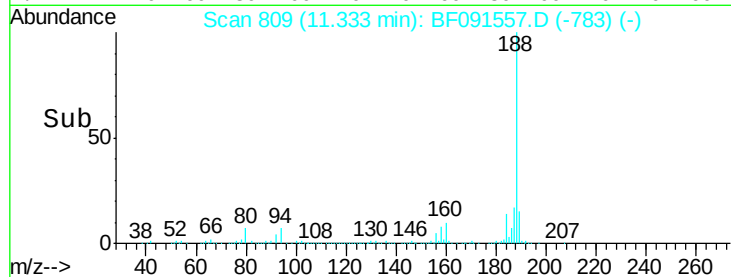
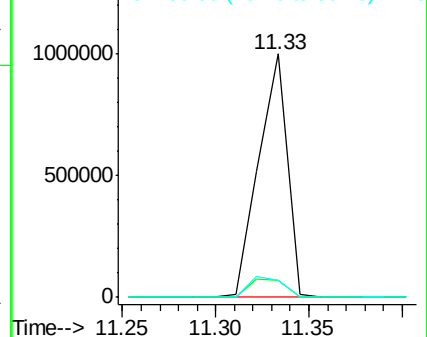
80 7.3 10.5 15.7#



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: 3.11 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.18 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

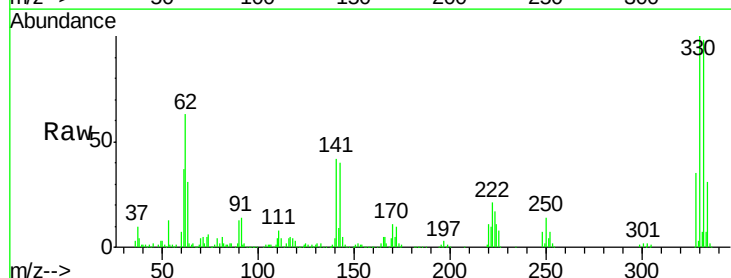
Tgt Ion:198 Resp: 1101

Ion Ratio Lower Upper

198 100

51 181.6 77.1 117.1#

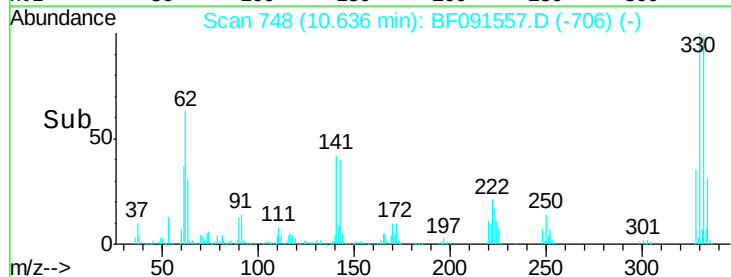
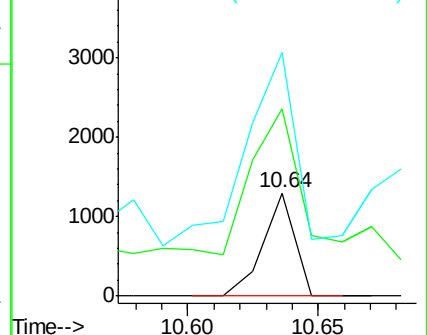
105 236.1 44.8 84.8#

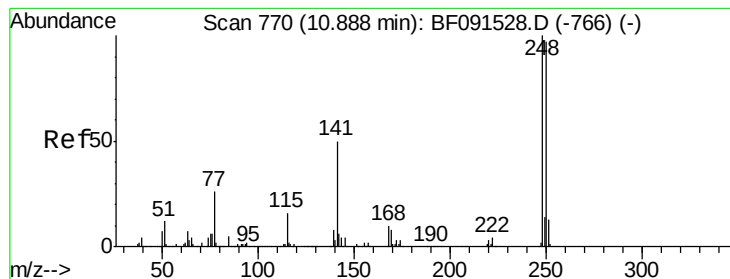


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 2.74 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

Instrument :

BNA_F

ClientSampleId :

1M-AGG-HP-03

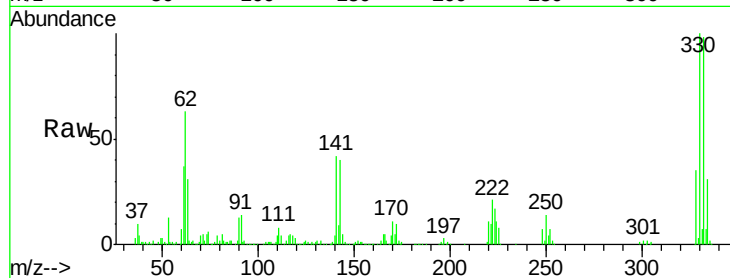
Tgt Ion:248 Resp: 29721

Ion Ratio Lower Upper

248 100

250 193.6 78.2 117.4#

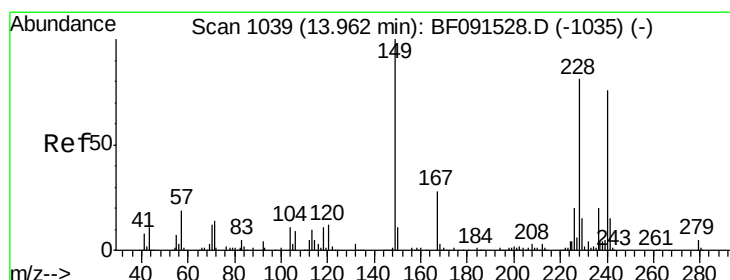
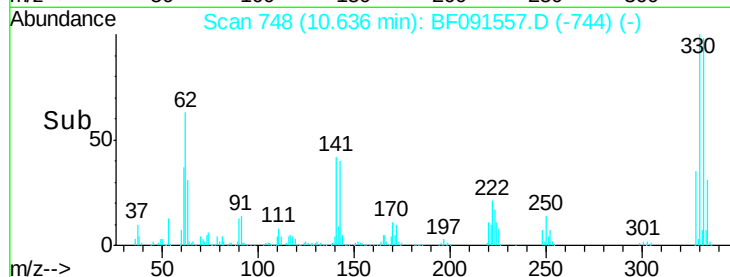
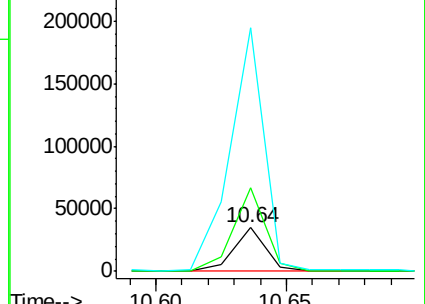
141 559.9 71.9 107.9#



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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091557.D

Acq: 13 Dec 2016 16:45

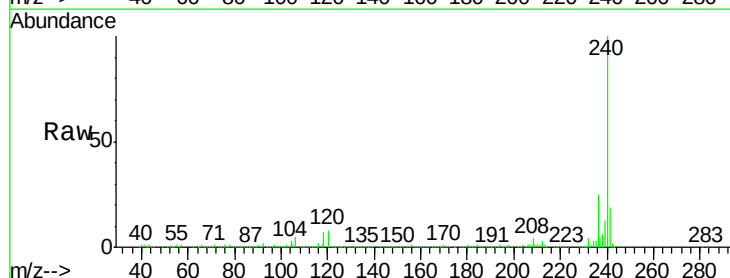
Tgt Ion:240 Resp: 741680

Ion Ratio Lower Upper

240 100

120 7.8 12.1 18.1#

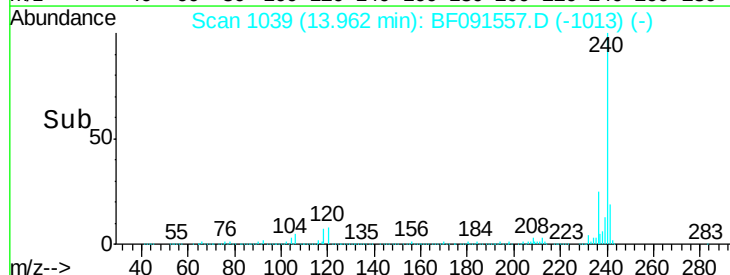
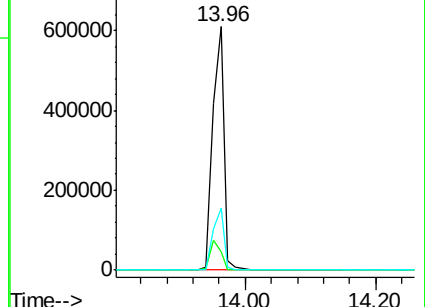
236 25.3 21.0 31.6

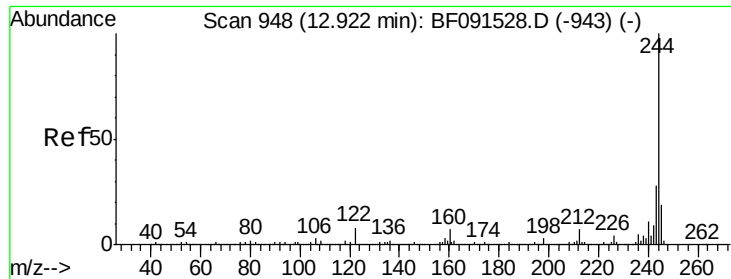


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

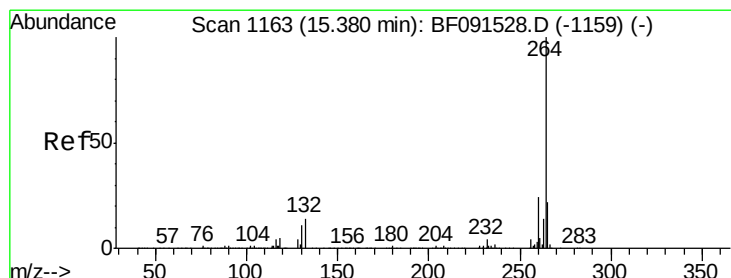
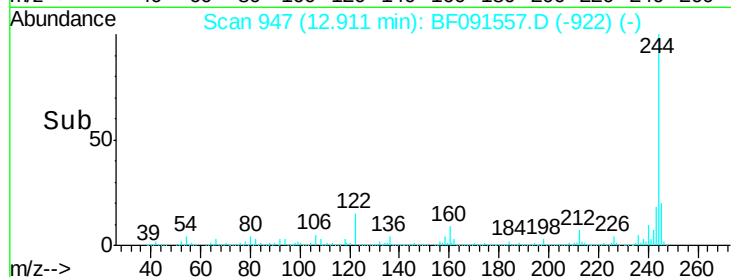
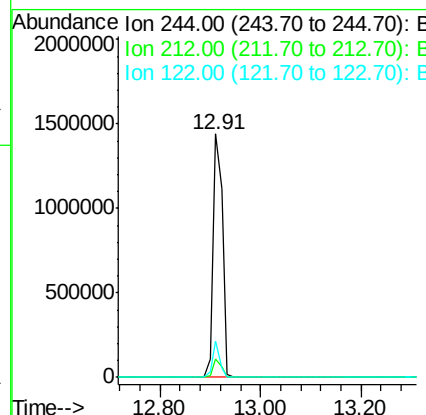
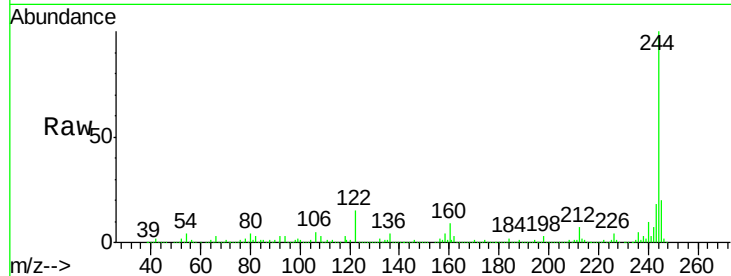




#78
 Terphenyl-d14
 Concen: 56.66 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF091557.D
 Acq: 13 Dec 2016 16:45

Instrument :
 BNA_F
 ClientSampleId :
 1M-AGG-HP-03

Tgt Ion:244 Resp: 1852014
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 15.1 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: BF091557.D
 Acq: 13 Dec 2016 16:45

Tgt Ion:264 Resp: 638330
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.8 28.2
 265 22.3 17.0 25.6

