

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043016\
 Data File : BF086555.D
 Acq On : 1 May 2016 7:07
 Operator : UM/SJ
 Sample : H2737-06
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLIND-DUPLICATE-4-26-16

Quant Time: May 02 00:48:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	131114	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	575219	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	279112	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	525233	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	388033	20.00	ng	-0.06
86) Perylene-d12	15.30	264	323738	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	514490	67.68	ng	-0.03
7) Phenol-d6	6.40	99	441068	41.57	ng	-0.05
23) Nitrobenzene-d5	7.33	82	970246	90.92	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	362244	123.07	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1406980	89.15	ng	-0.05
78) Terphenyl-d14	12.88	244	1418891	80.56	ng	-0.03

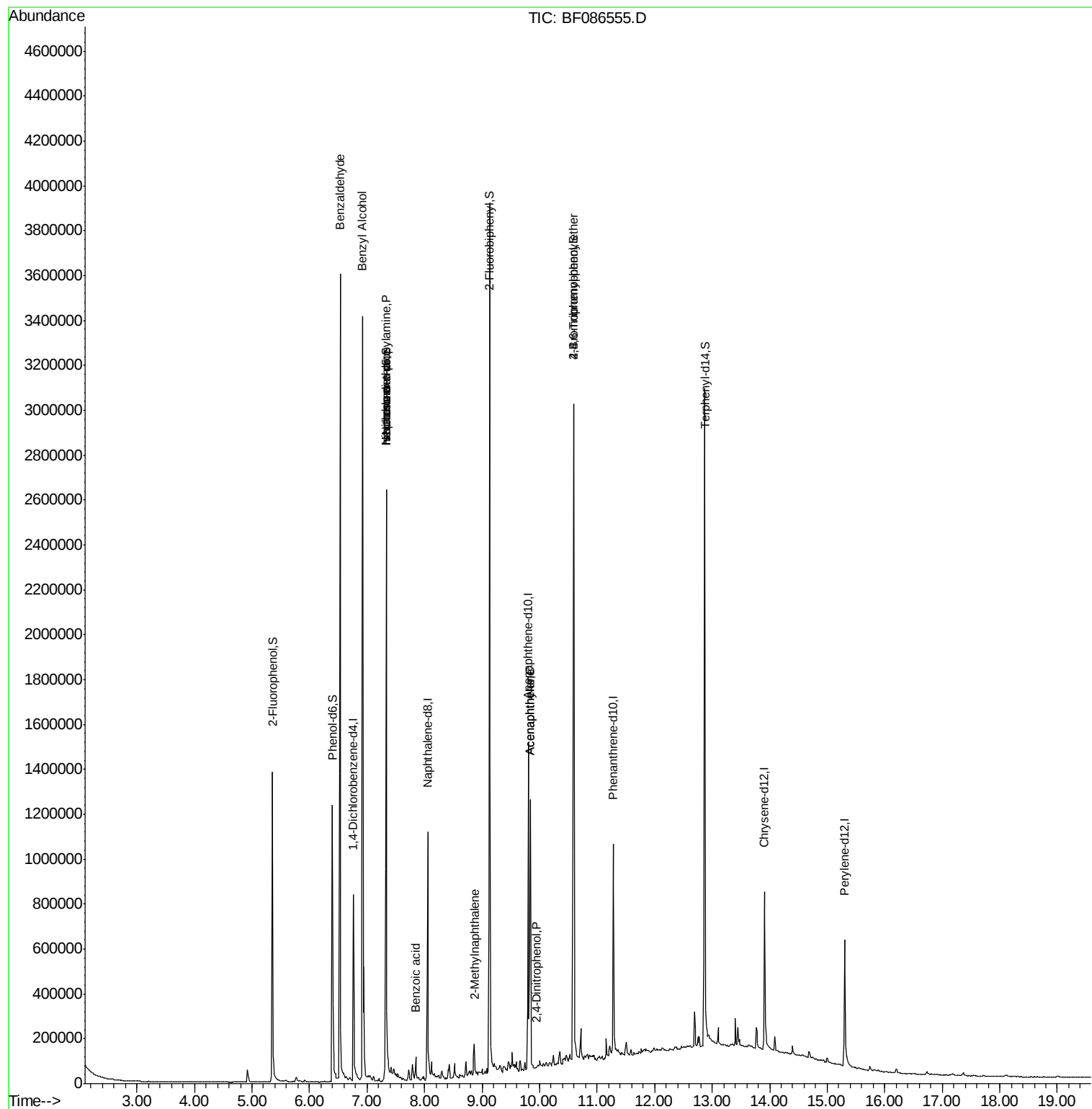
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	23701	3.84	ng	# 80
15) Benzyl Alcohol	6.92	79	17474	2.60	ng	# 39
18) Hexachloroethane	7.33	117	15368	3.91	ng	# 6
19) n-Nitroso-di-n-propylamine	7.33	70	133608	19.05	ng	# 77
25) Isophorone	7.33	82	741882	36.12	ng	# 68
32) Benzoic acid	7.85	122	18770	11.64	ng	# 19
37) 2-Methylnaphthalene	8.86	142	40054	2.32	ng	# 96
48) Acenaphthylene	9.84	152	147312	5.31	ng	# 1
51) Acenaphthene	9.84	154	283782	15.93	ng	# 99
53) 2,4-Dinitrophenol	9.95	184	427	7.99	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	21954	4.06	ng	# 1

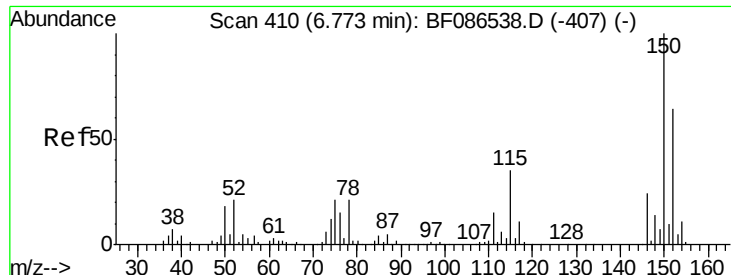
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

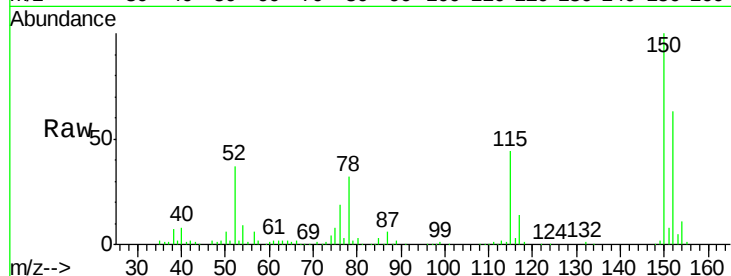
Tgt Ion:152 Resp: 131114

Ion Ratio Lower Upper

152 100

150 159.7 125.8 188.6

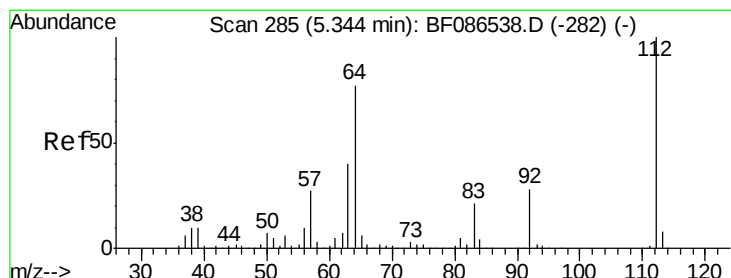
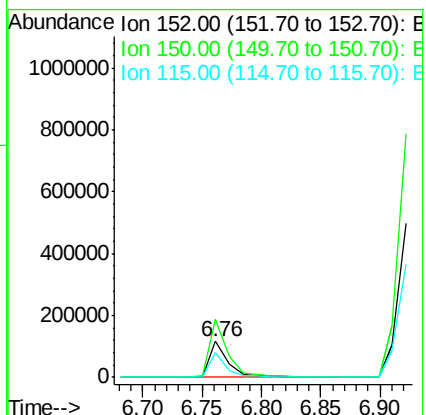
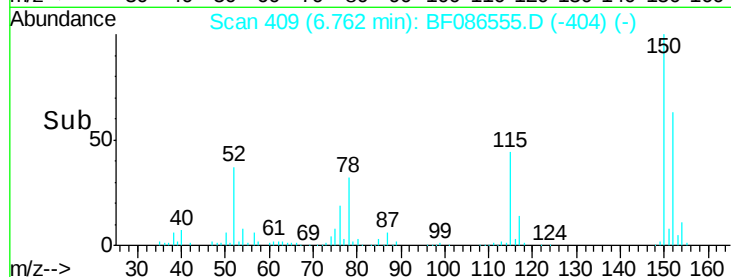
115 69.8 51.5 77.3



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: 67.68 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.03 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

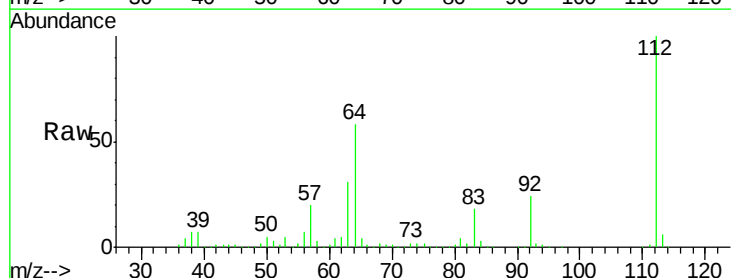
Tgt Ion:112 Resp: 514490

Ion Ratio Lower Upper

112 100

64 57.7 52.1 78.1

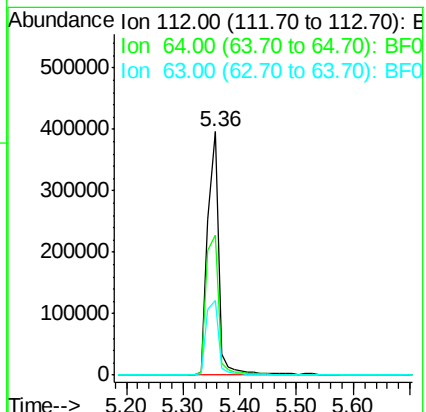
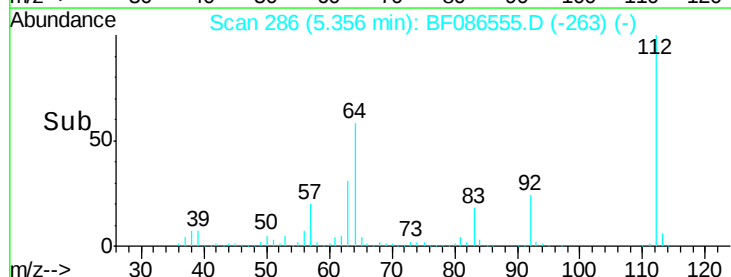
63 30.7 25.7 38.5

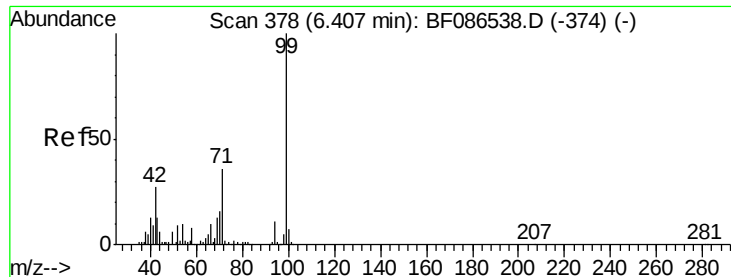


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.57 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

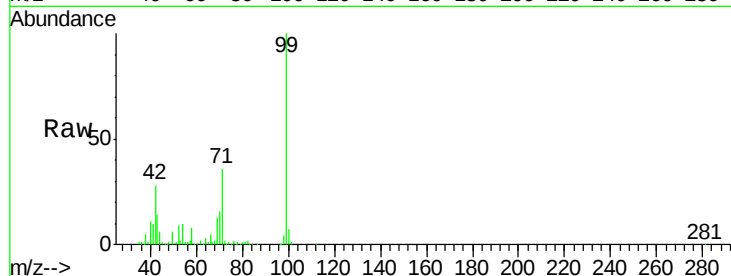
Tgt Ion: 99 Resp: 441068

Ion Ratio Lower Upper

99 100

42 28.5 13.6 20.4#

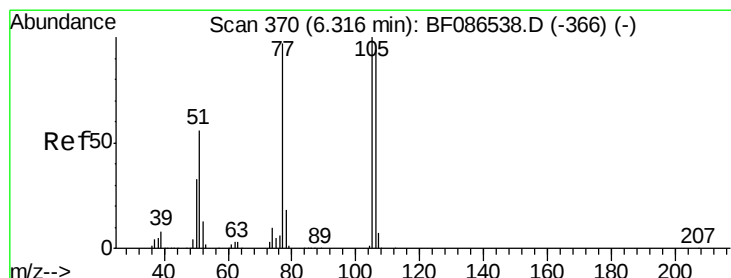
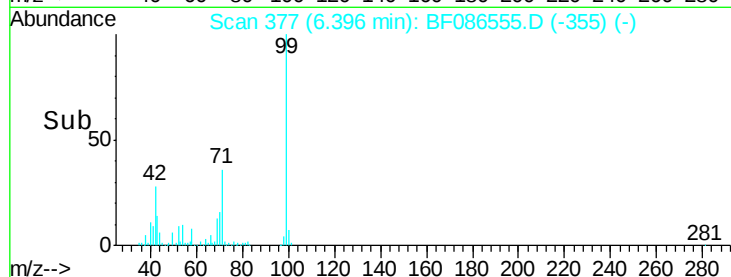
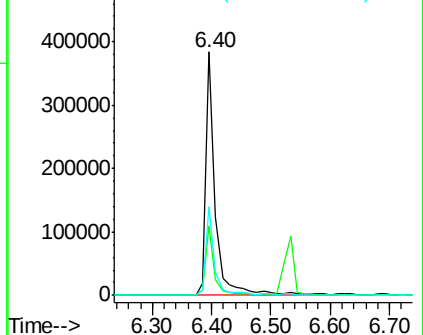
71 36.2 24.6 36.8



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: 3.84 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.18 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

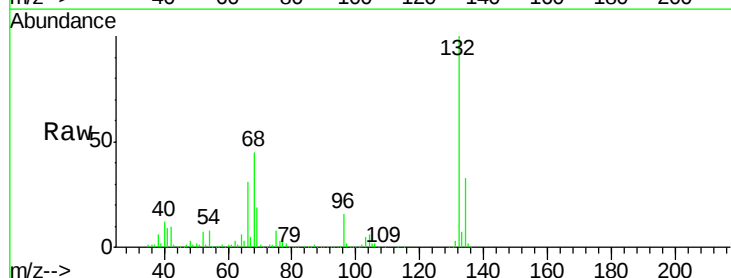
Tgt Ion: 77 Resp: 23701

Ion Ratio Lower Upper

77 100

105 76.4 72.7 112.7

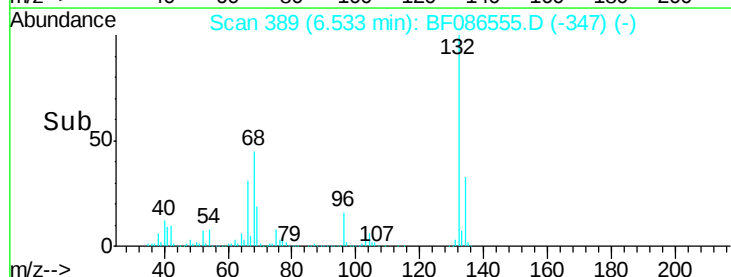
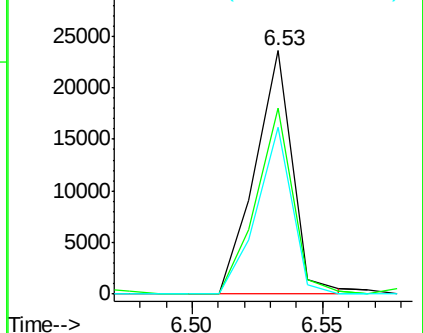
106 68.7 70.8 110.8#

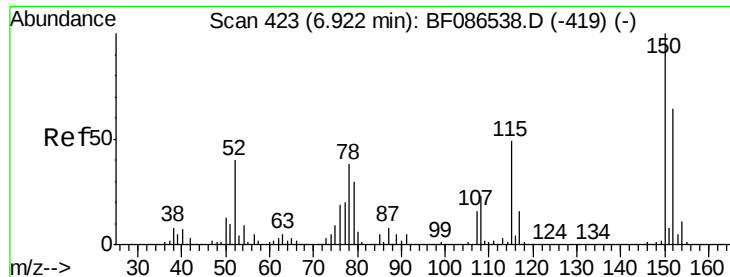


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.60 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.03 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

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BLIND-DUPLICATE-4-26-16

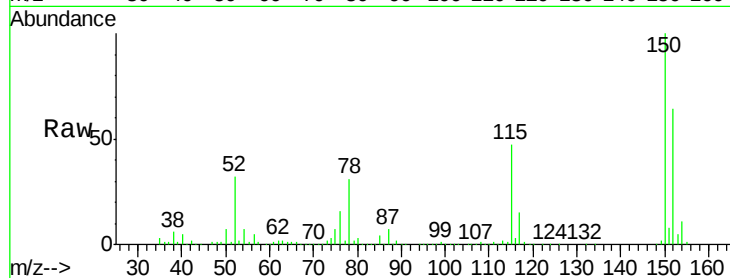
Tgt Ion: 79 Resp: 17474

Ion Ratio Lower Upper

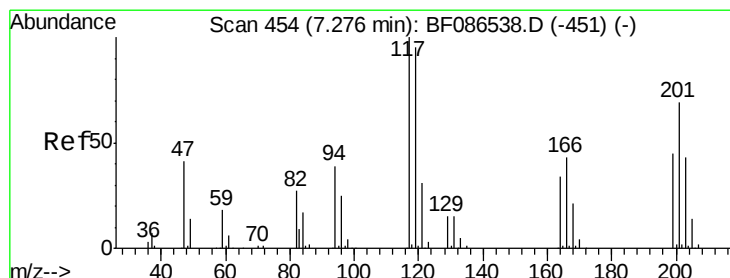
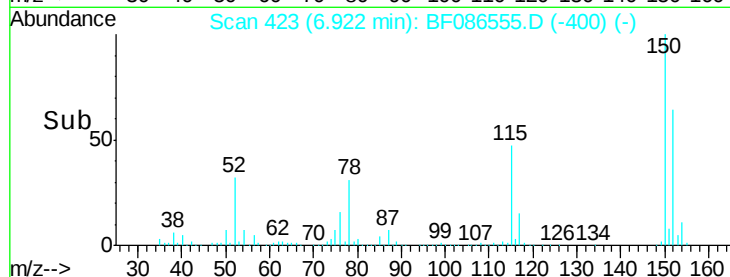
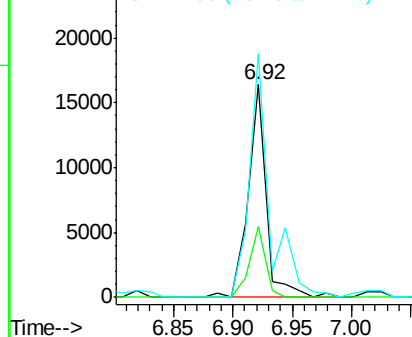
79 100

108 33.5 68.4 102.6#

77 114.7 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 3.91 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

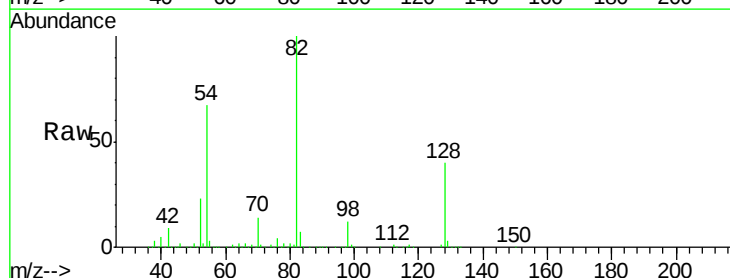
Tgt Ion: 117 Resp: 15368

Ion Ratio Lower Upper

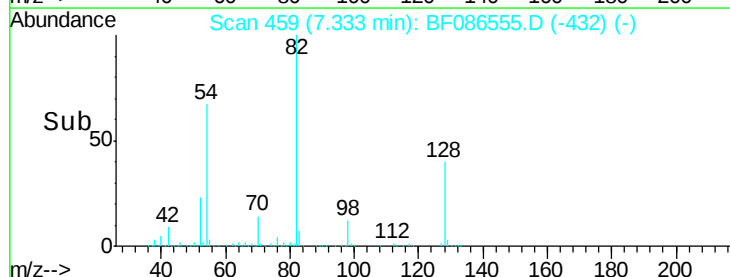
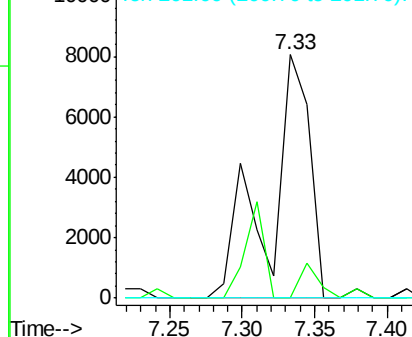
117 100

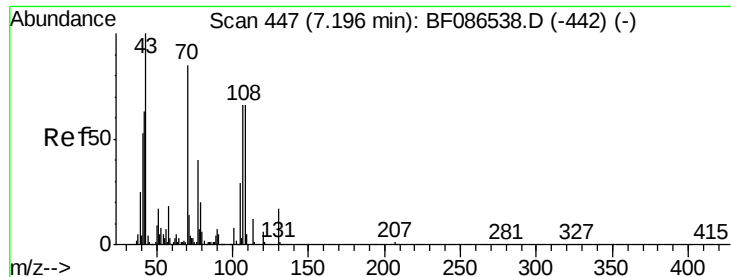
119 0.0 76.5 114.7#

201 0.0 63.0 94.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

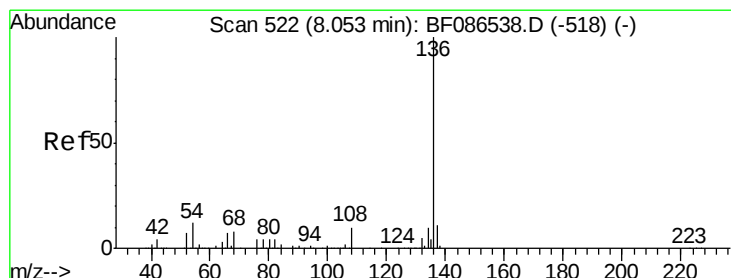
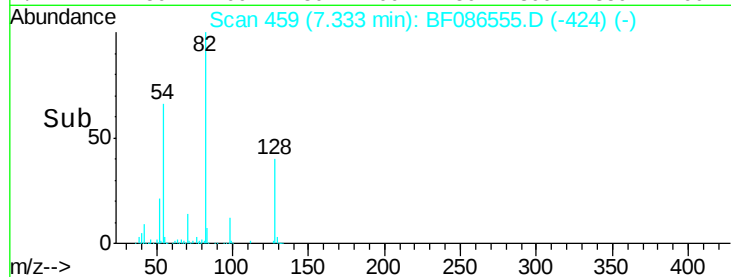
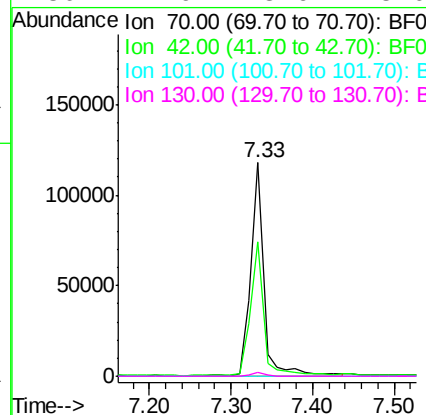
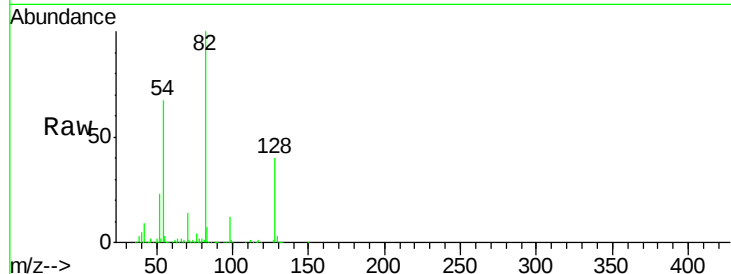




#19
n-Nitroso-di-n-propylamine
Concen: 19.05 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.10 min
Lab File: BF086555.D
Acq: 1 May 2016 7:07

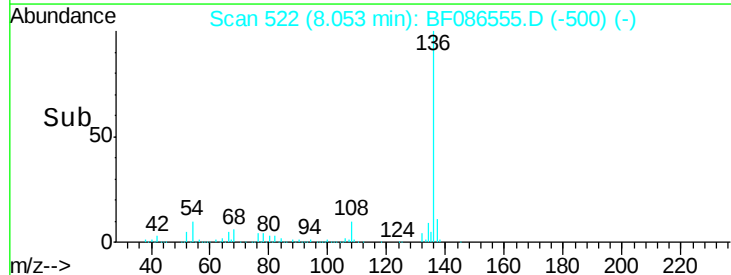
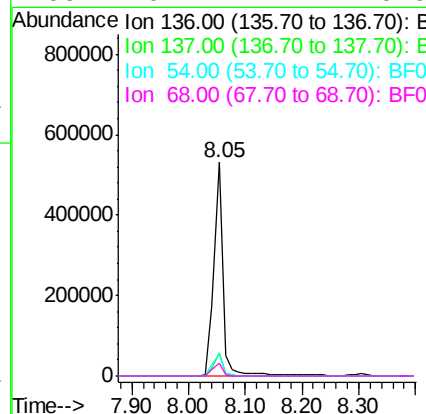
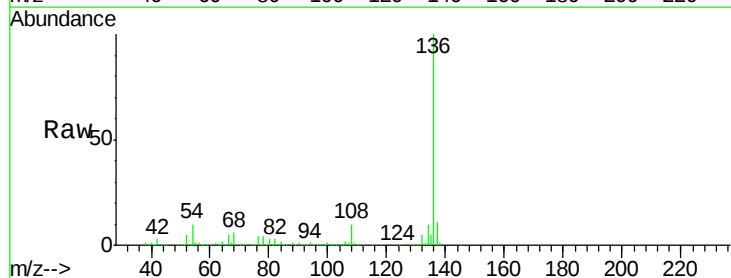
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BLIND-DUPLICATE-4-26-16

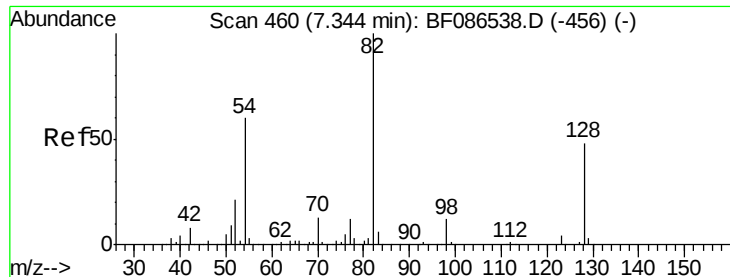
Tgt Ion: 70 Resp: 133608
Ion Ratio Lower Upper
70 100
42 62.8 43.1 64.7
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.05 min
Lab File: BF086555.D
Acq: 1 May 2016 7:07

Tgt Ion: 136 Resp: 575219
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.9 5.0 7.4#
68 6.1 4.4 6.6

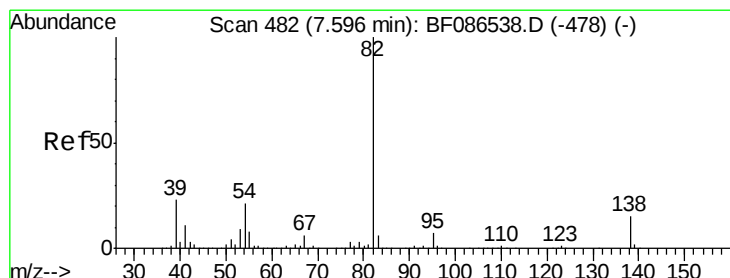
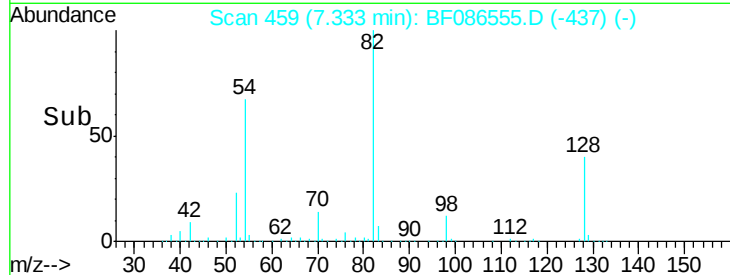
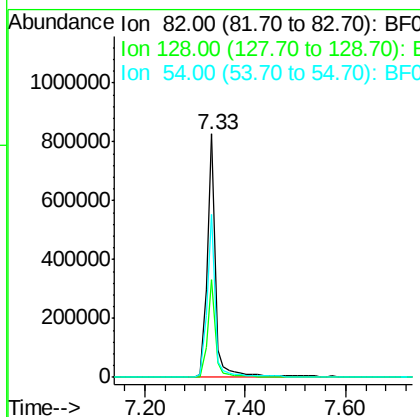
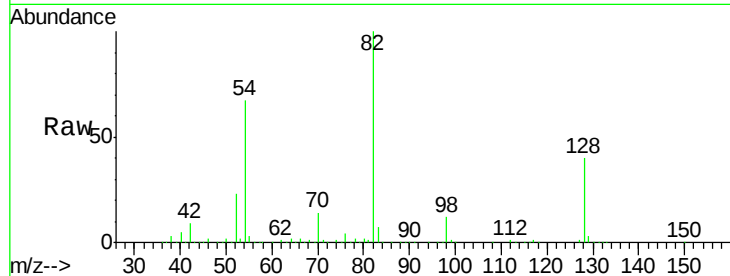




#23
 Nitrobenzene-d5
 Concen: 90.92 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086555.D
 Acq: 1 May 2016 7:07

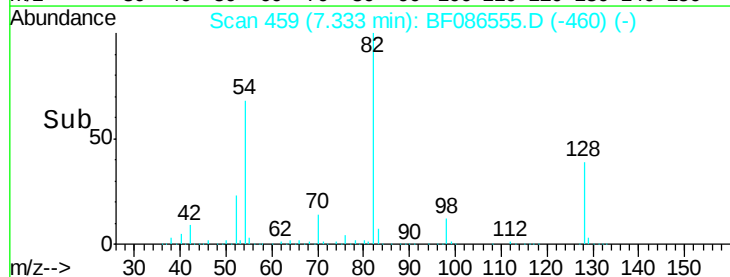
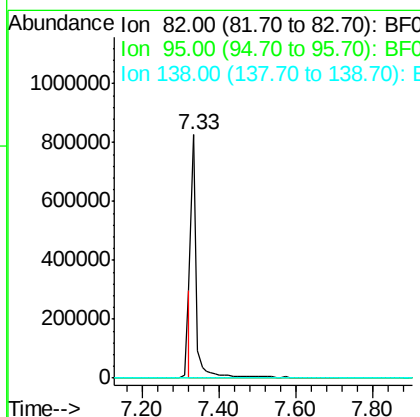
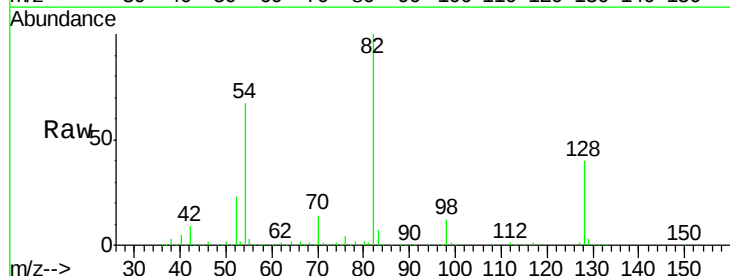
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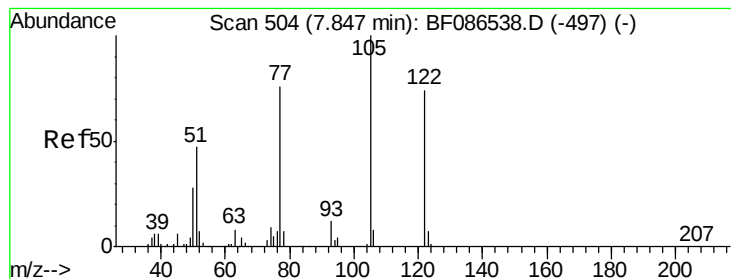
Tgt Ion: 82 Resp: 970246
 Ion Ratio Lower Upper
 82 100
 128 40.3 40.6 61.0#
 54 66.8 38.1 57.1#



#25
 Isophorone
 Concen: 36.12 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.31 min
 Lab File: BF086555.D
 Acq: 1 May 2016 7:07

Tgt Ion: 82 Resp: 741882
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#





#32

Benzoic acid

Concen: 11.64 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.04 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

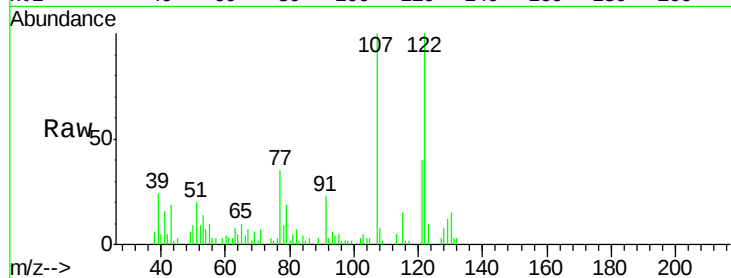
Tgt Ion:122 Resp: 18770

Ion Ratio Lower Upper

122 100

105 3.2 92.6 132.6#

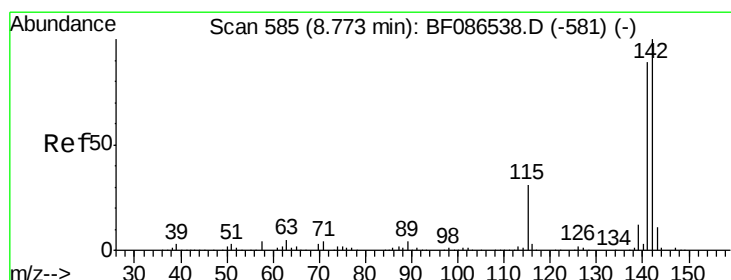
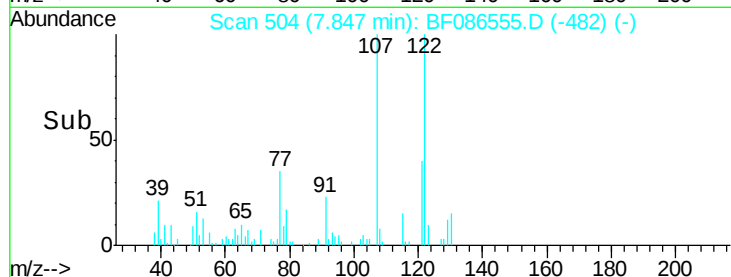
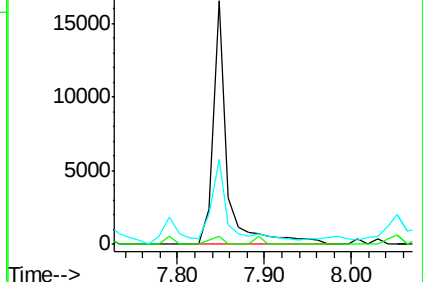
77 34.7 60.0 100.0#



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



#37

2-Methylnaphthalene

Concen: 2.32 ng

RT: 8.86 min Scan# 593

Delta R.T. 0.06 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

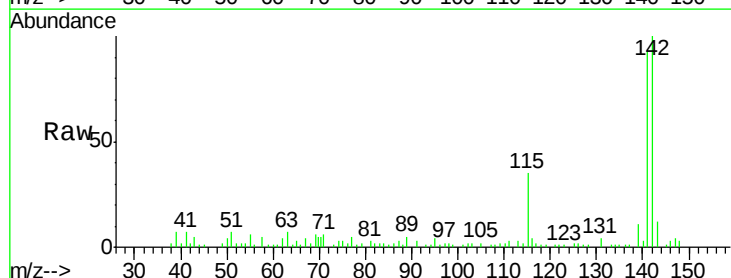
Tgt Ion:142 Resp: 40054

Ion Ratio Lower Upper

142 100

141 92.8 71.0 106.6

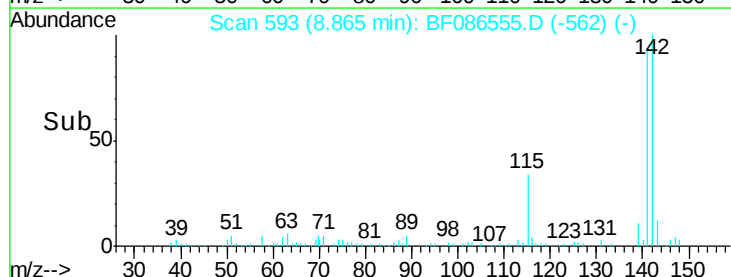
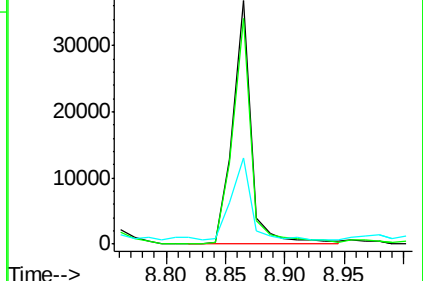
115 35.3 26.6 39.8

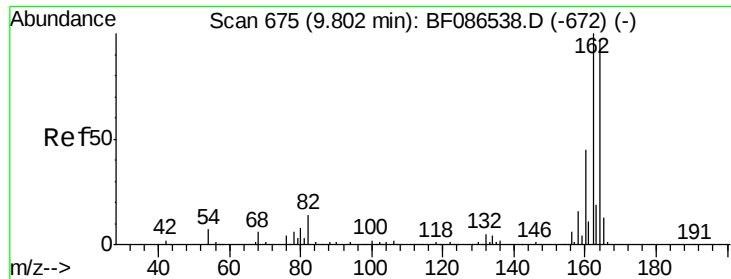


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

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BLIND-DUPLICATE-4-26-16

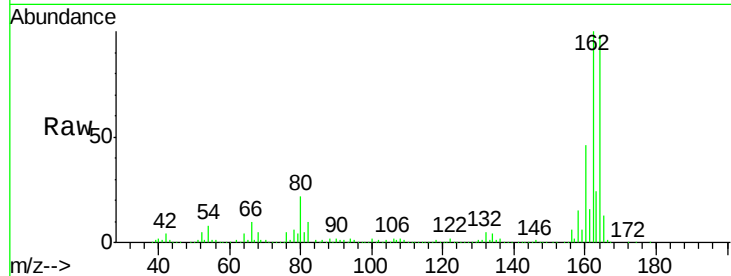
Tgt Ion:164 Resp: 279112

Ion Ratio Lower Upper

164 100

162 102.3 82.8 124.2

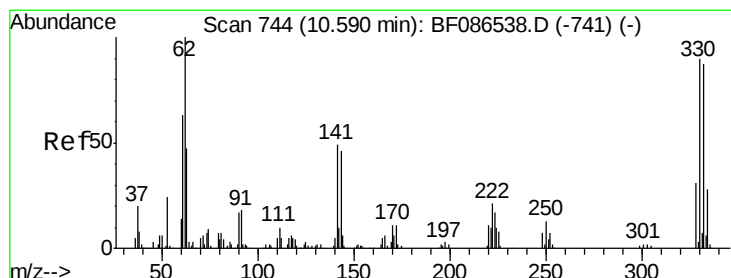
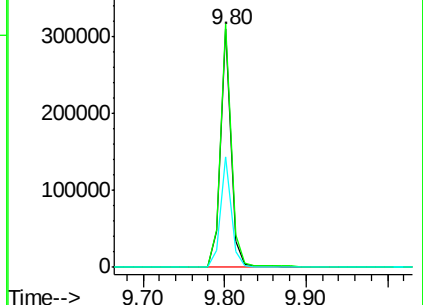
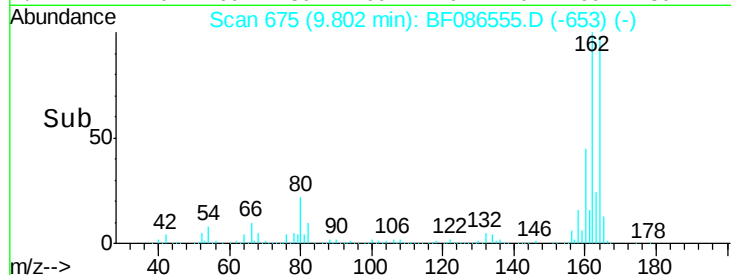
160 46.7 36.9 55.3



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: 123.07 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

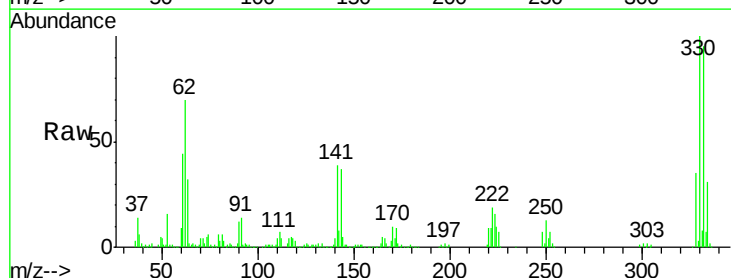
Tgt Ion:330 Resp: 362244

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

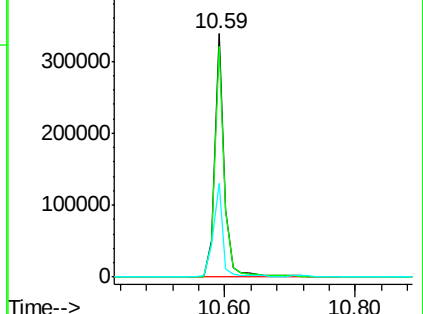
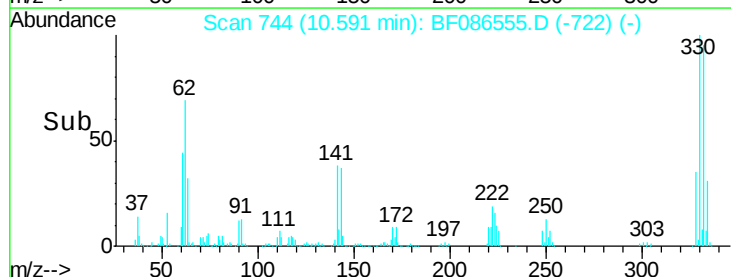
141 37.7 31.2 46.8

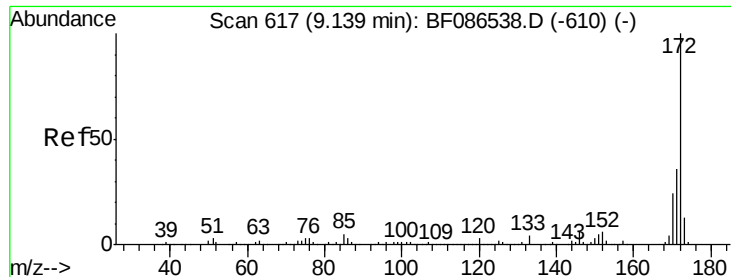


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

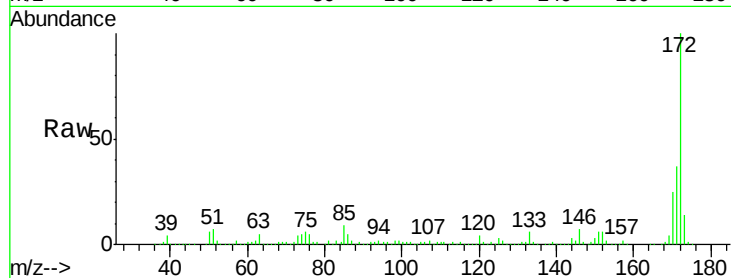




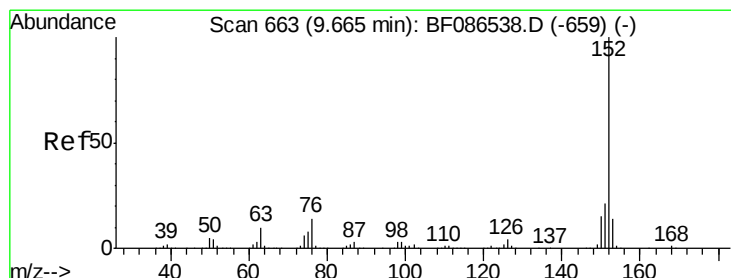
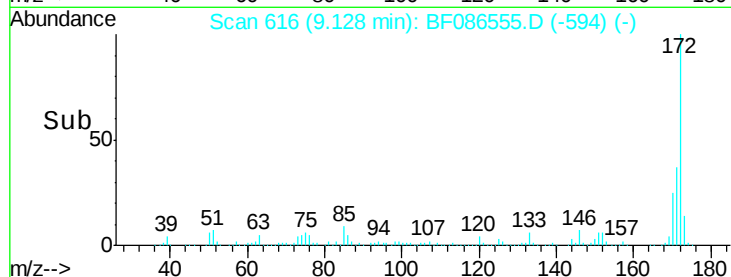
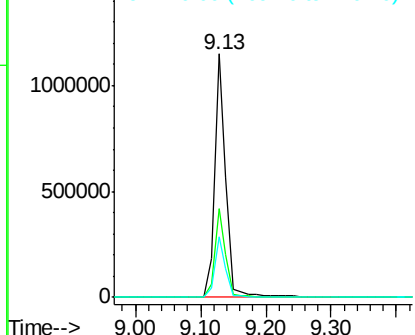
#44
 2-Fluorobiphenyl
 Concen: 89.15 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: BF086555.D
 Acq: 1 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 BLIND-DUPLICATE-4-26-16

Tgt Ion:172 Resp: 1406980
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.7 19.8 29.8

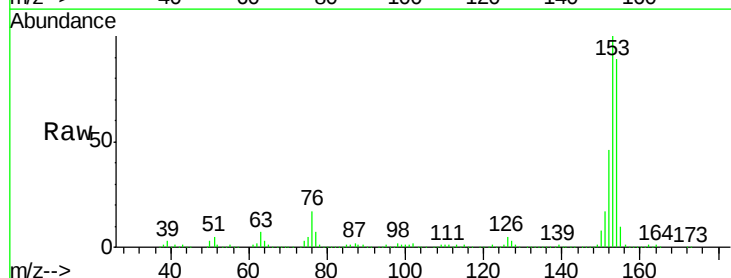


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

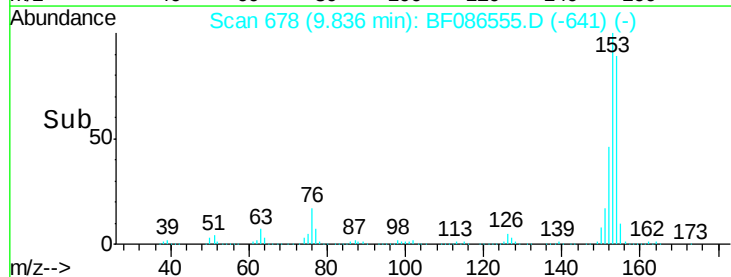
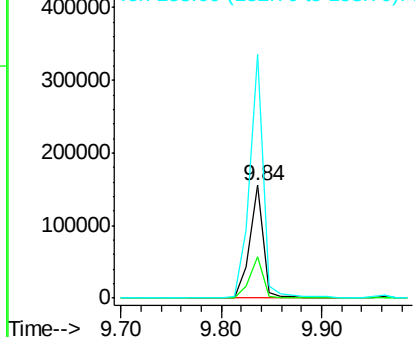


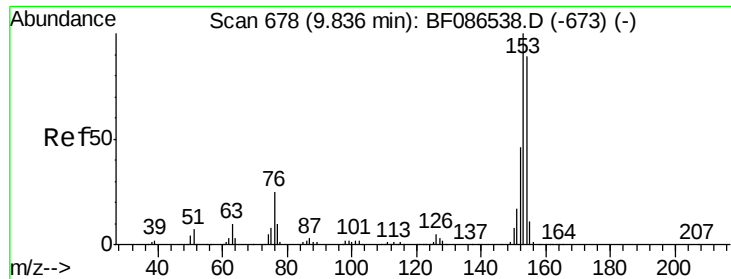
#48
 Acenaphthylene
 Concen: 5.31 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.13 min
 Lab File: BF086555.D
 Acq: 1 May 2016 7:07

Tgt Ion:152 Resp: 147312
 Ion Ratio Lower Upper
 152 100
 151 37.3 16.8 25.2#
 153 216.5 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 15.93 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

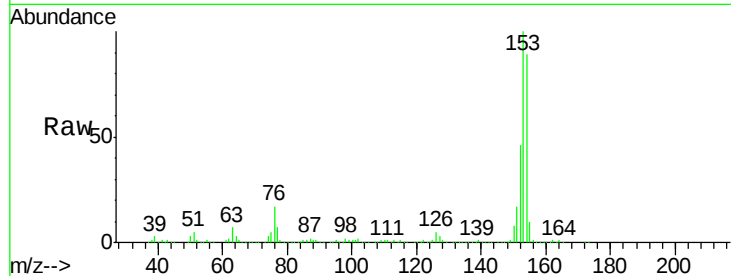
Tgt Ion:154 Resp: 283782

Ion Ratio Lower Upper

154 100

153 112.4 89.8 134.6

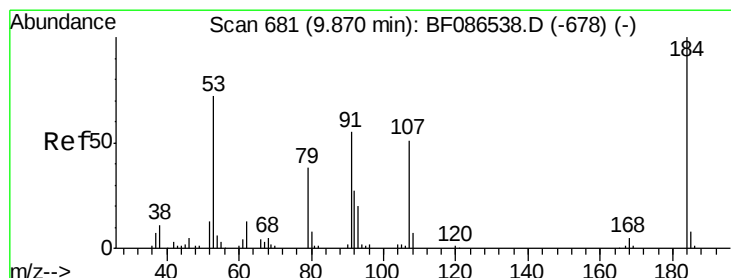
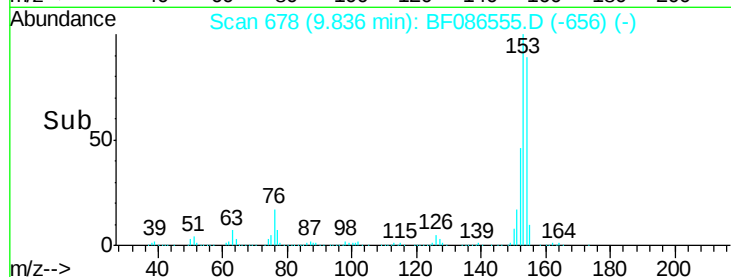
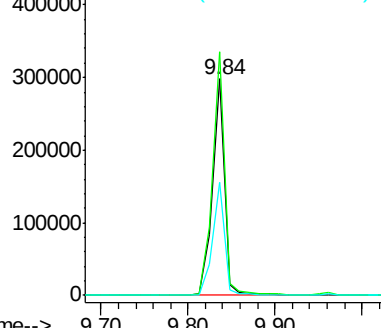
152 51.9 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.99 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

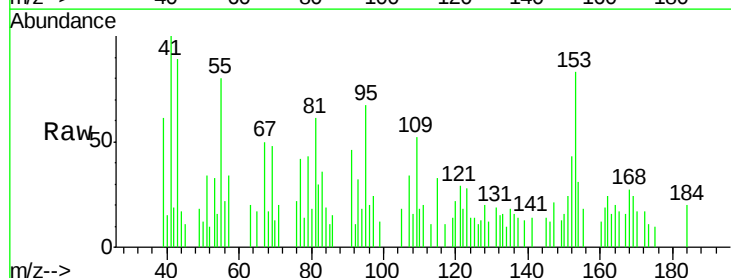
Tgt Ion:184 Resp: 427

Ion Ratio Lower Upper

184 100

63 98.6 55.8 83.8#

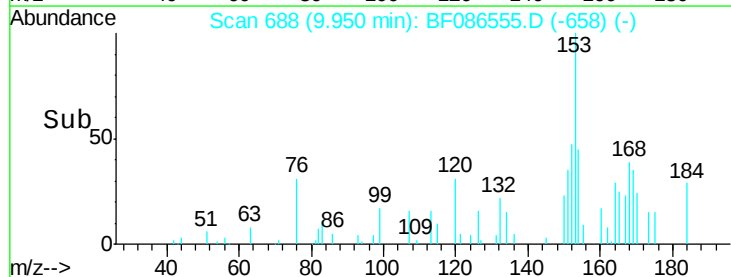
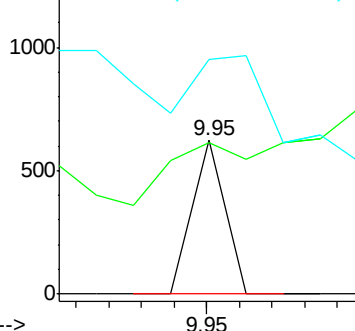
154 153.2 62.4 93.6#

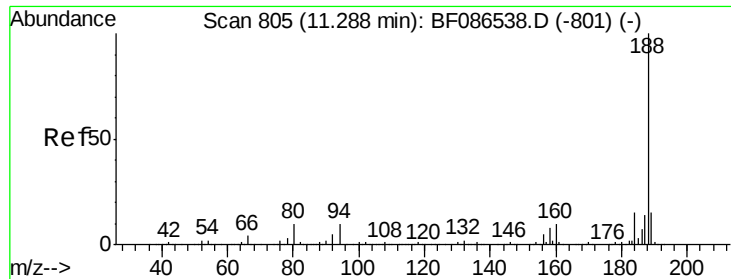


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

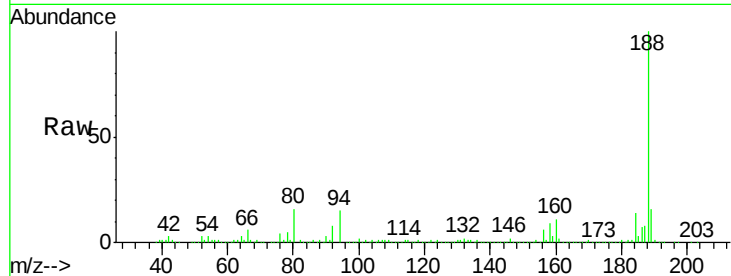
Tgt Ion:188 Resp: 525233

Ion Ratio Lower Upper

188 100

94 14.9 6.8 10.2#

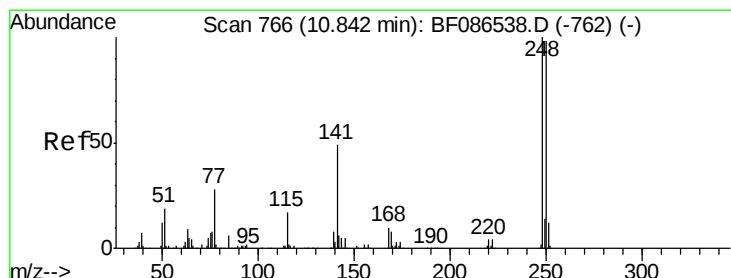
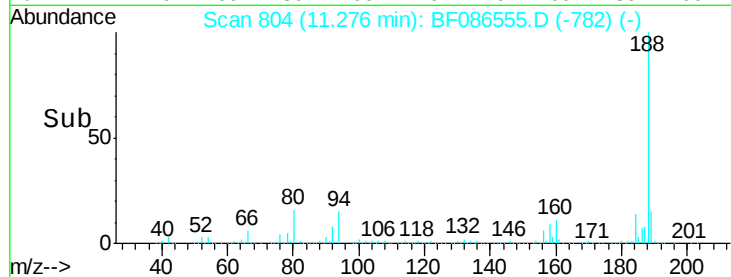
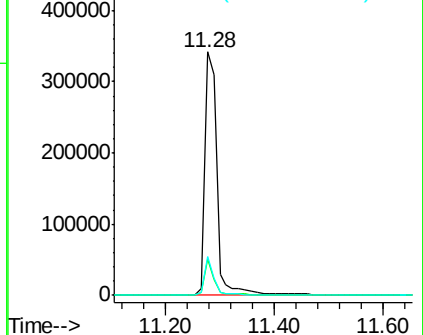
80 16.2 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 4.06 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.29 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

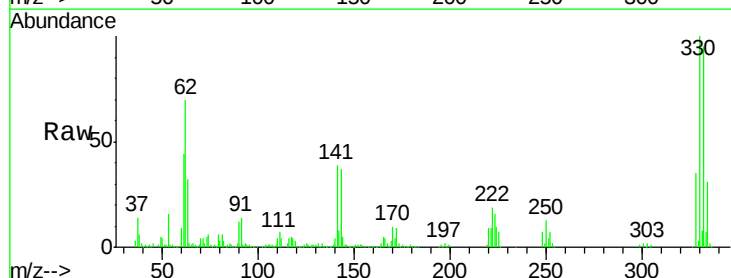
Tgt Ion:248 Resp: 21954

Ion Ratio Lower Upper

248 100

250 200.5 78.6 117.8#

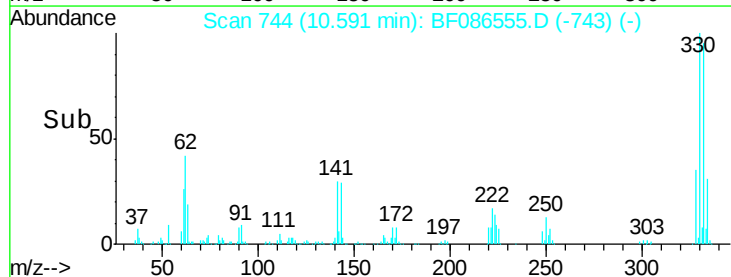
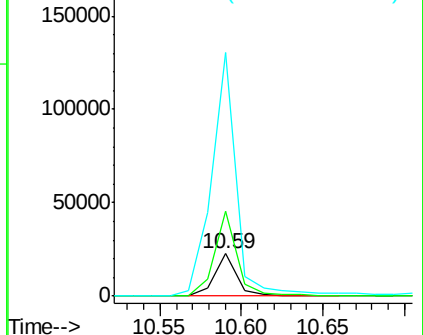
141 572.1 76.0 114.0#

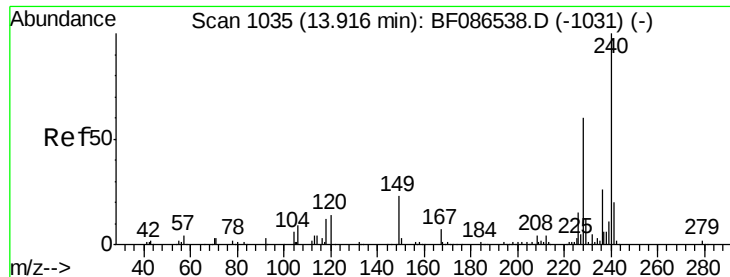


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

BLIND-DUPLICATE-4-26-16

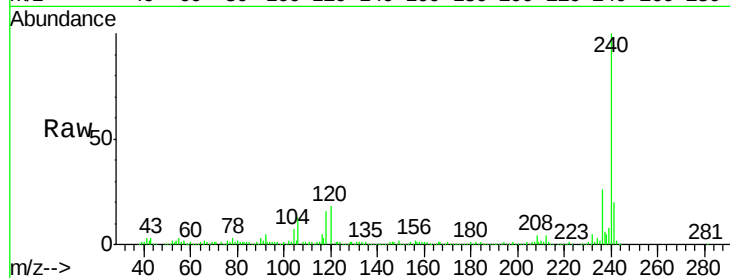
Tgt Ion:240 Resp: 388033

Ion Ratio Lower Upper

240 100

120 18.3 11.2 16.8#

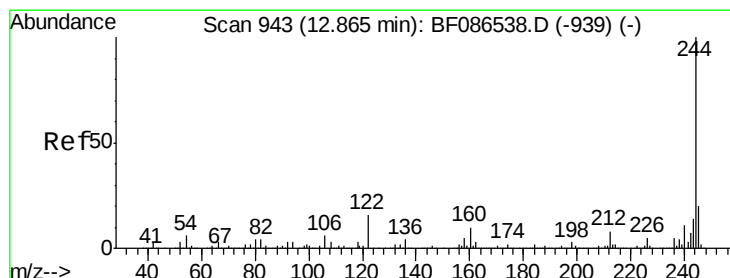
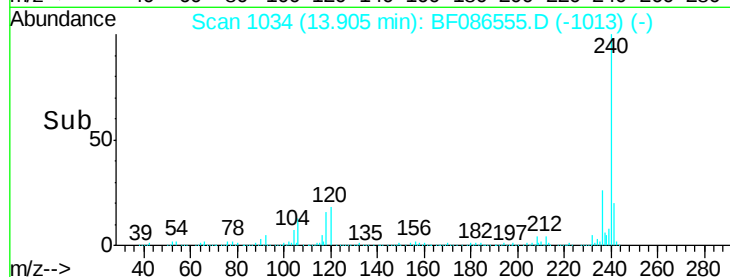
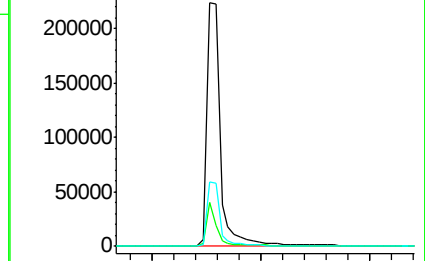
236 26.4 21.2 31.8



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: 80.56 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF086555.D

Acq: 1 May 2016 7:07

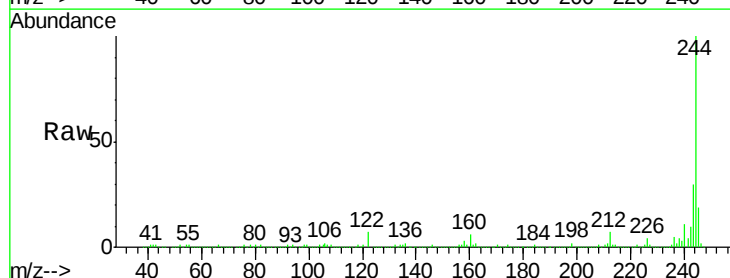
Tgt Ion:244 Resp: 1418891

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

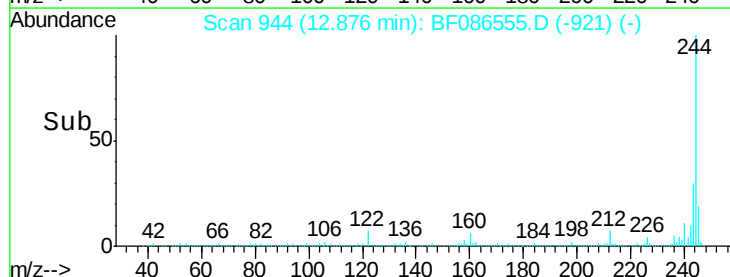
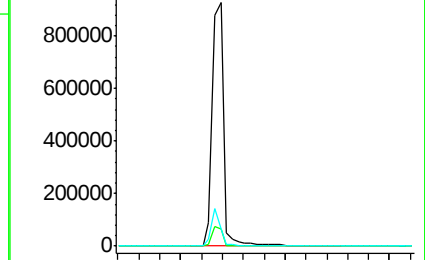
122 7.0 12.0 18.0#

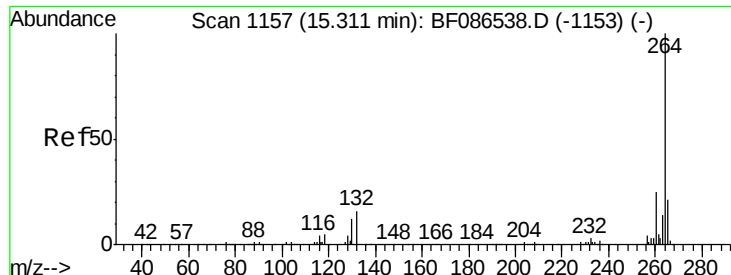


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

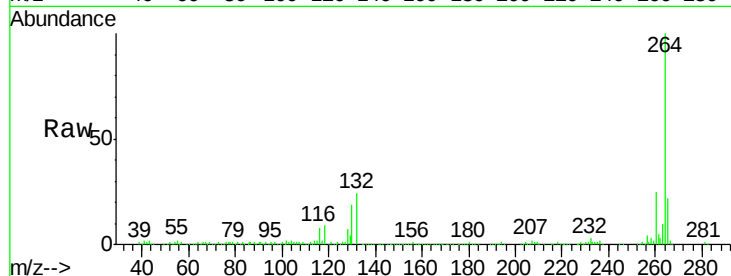




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086555.D
Acq: 1 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
BLIND-DUPLICATE-4-26-16

Tgt Ion: 264 Resp: 323738
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.8 17.3 25.9



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

