

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
 Data File : BF087170.D
 Acq On : 19 May 2016 4:48
 Operator : UM/SJ
 Sample : H3105-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-05

Quant Time: May 19 05:47:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

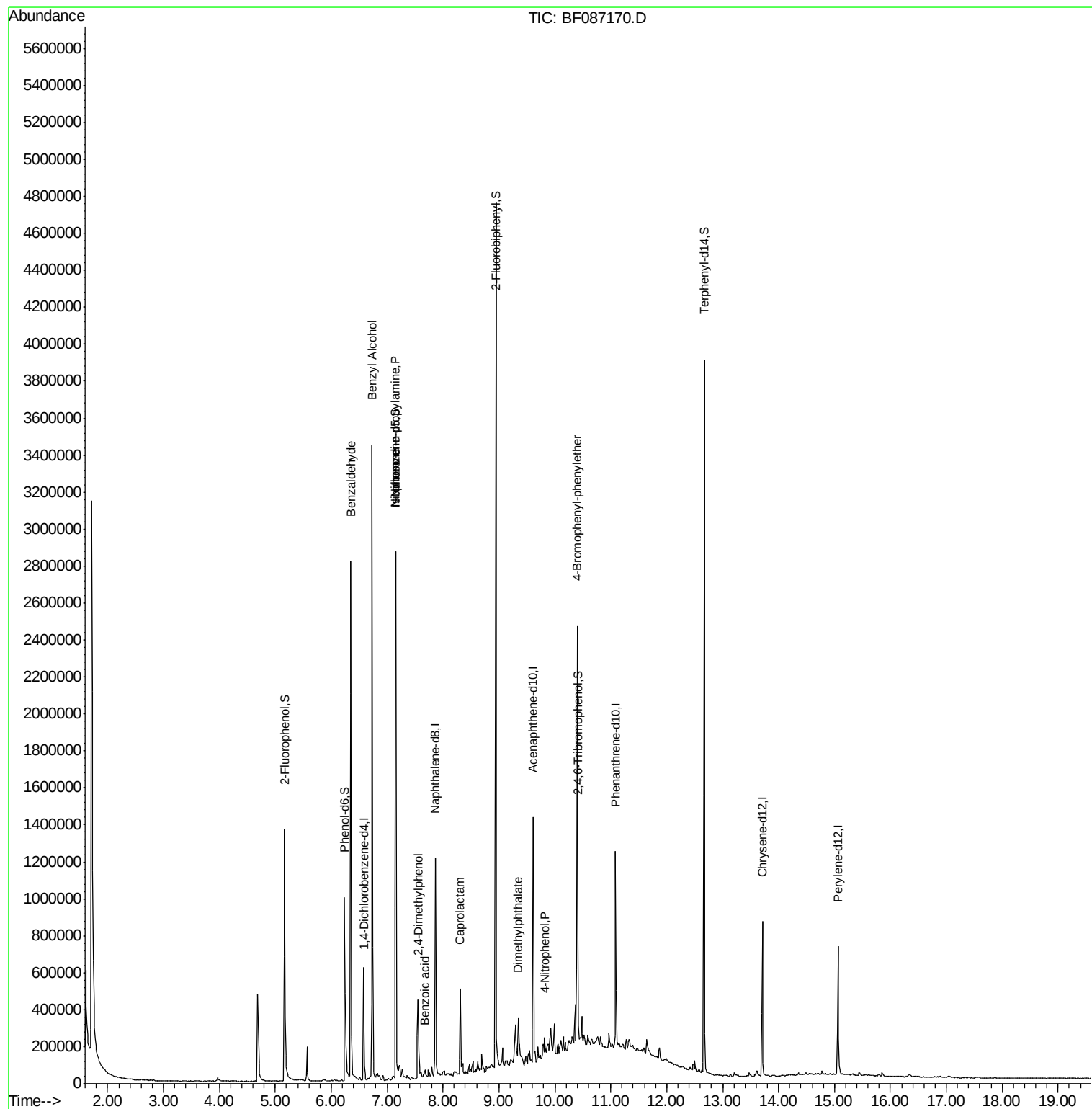
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	117266	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	477091	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	223665	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	372732	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	298707	20.00	ng	-0.05
86) Perylene-d12	15.06	264	284551	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	478265	68.55	ng	-0.03
7) Phenol-d6	6.24	99	391234	41.81	ng	-0.05
23) Nitrobenzene-d5	7.15	82	930076	97.16	ng	-0.03
41) 2,4,6-Tribromophenol	10.41	330	346194	140.07	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1474255	109.16	ng	-0.03
78) Terphenyl-d14	12.67	244	1194446	90.45	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.35	77	24474	3.62	ng	Qvalue 86
15) Benzyl Alcohol	6.73	79	18294	2.63	ng	# 43
19) n-Nitroso-di-n-propylamine	7.15	70	131847	18.54	ng	# 73
25) Isophorone	7.15	82	718730	41.01	ng	# 68
27) 2,4-Dimethylphenol	7.55	122	107695	14.58	ng	94
32) Benzoic acid	7.68	122	12217	2.77	ng	# 44
35) Caprolactam	8.31	113	4657	2.15	ng	# 1
49) Dimethylphthalate	9.35	163	72526	4.25	ng	99
55) 4-Nitrophenol	9.82	139	6378	5.60	ng	# 70
66) 4-Bromophenyl-phenylether	10.40	248	19928	5.20	ng	# 1

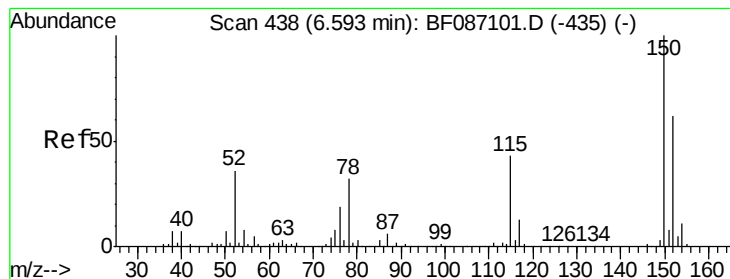
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

BNA_F

ClientSampled :

W-05

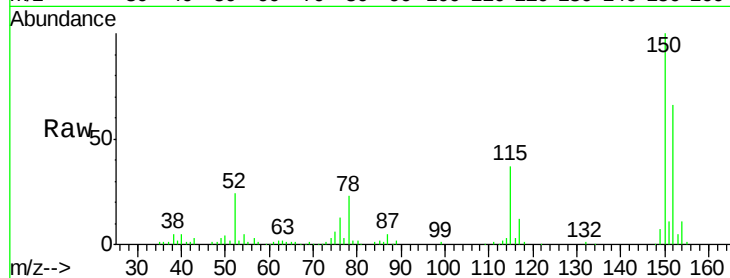
Tgt Ion:152 Resp: 117266

Ion Ratio Lower Upper

152 100

150 150.9 125.8 188.6

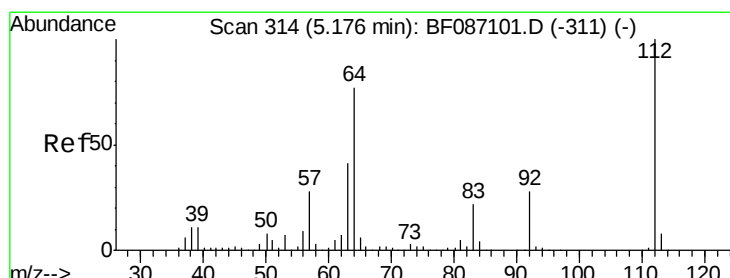
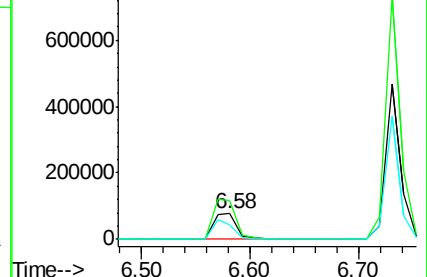
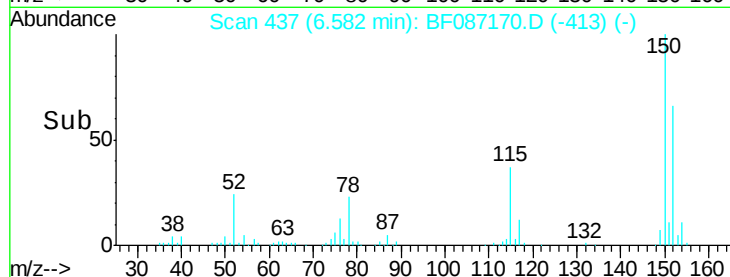
115 55.5 51.5 77.3



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: 68.55 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

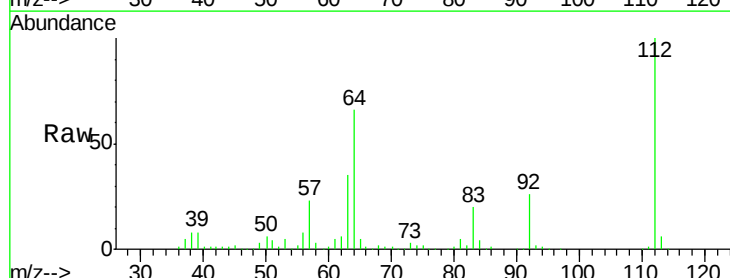
Tgt Ion:112 Resp: 478265

Ion Ratio Lower Upper

112 100

64 65.7 52.1 78.1

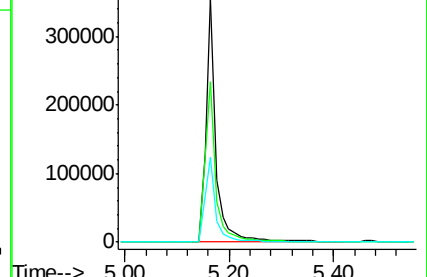
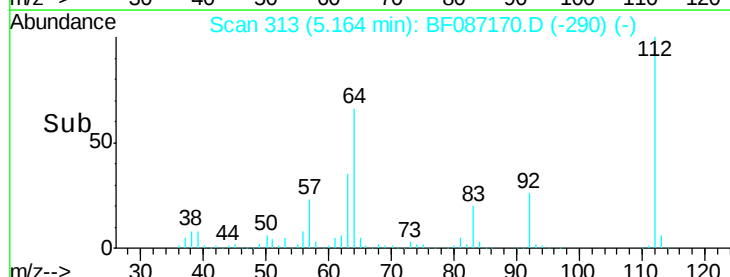
63 35.1 25.7 38.5

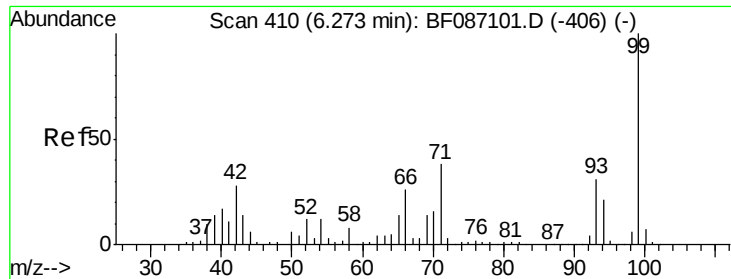


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.81 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

BNA_F

ClientSampleId :

W-05

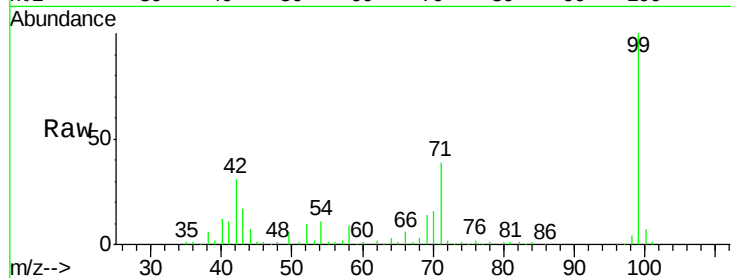
Tgt Ion: 99 Resp: 391234

Ion Ratio Lower Upper

99 100

42 31.5 13.6 20.4#

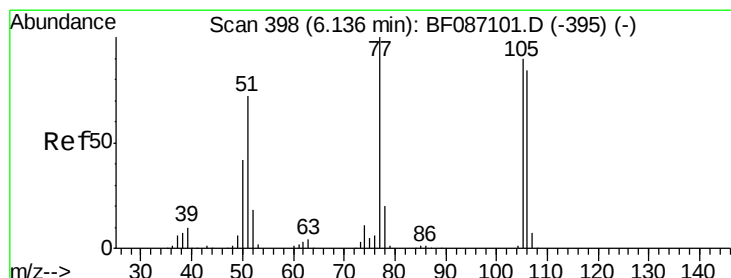
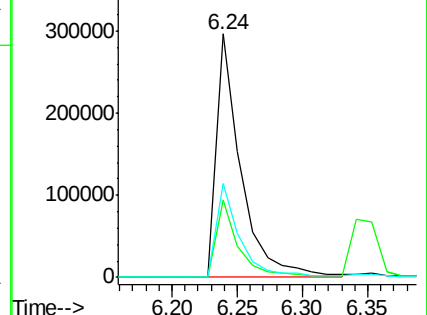
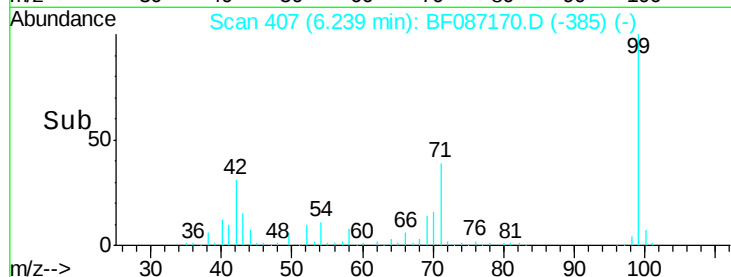
71 38.7 24.6 36.8#



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: 3.62 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

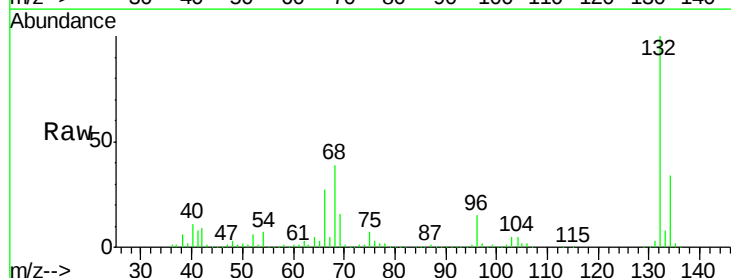
Tgt Ion: 77 Resp: 24474

Ion Ratio Lower Upper

77 100

105 83.9 72.7 112.7

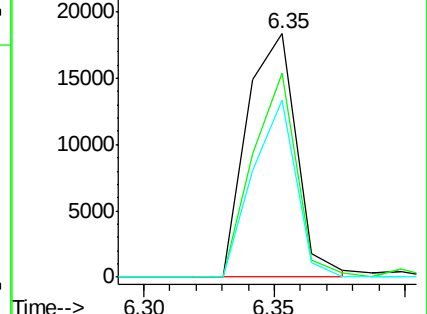
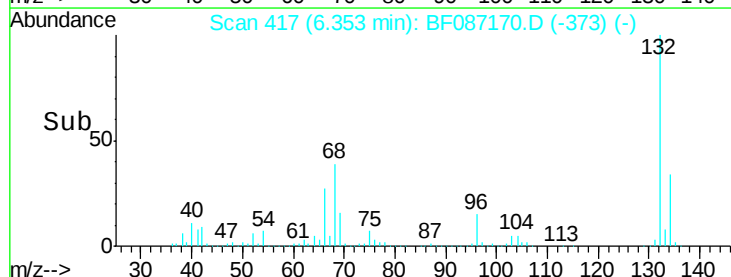
106 72.7 70.8 110.8

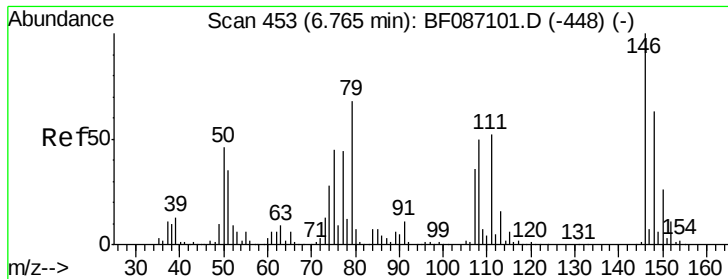


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.63 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

BNA_F

ClientSampled :

W-05

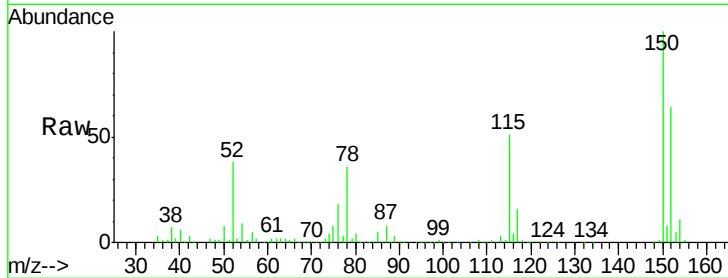
Tgt Ion: 79 Resp: 18294

Ion Ratio Lower Upper

79 100

108 27.7 68.4 102.6#

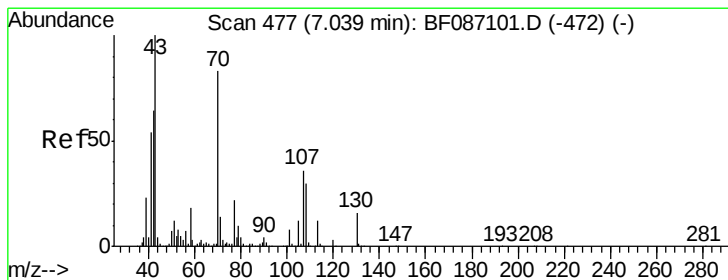
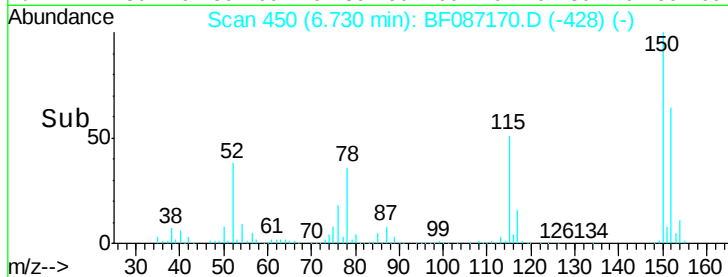
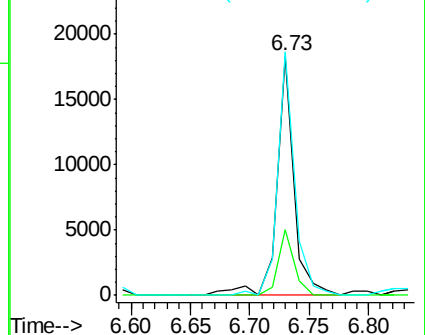
77 102.1 50.6 76.0#



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: 18.54 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Tgt Ion: 70 Resp: 131847

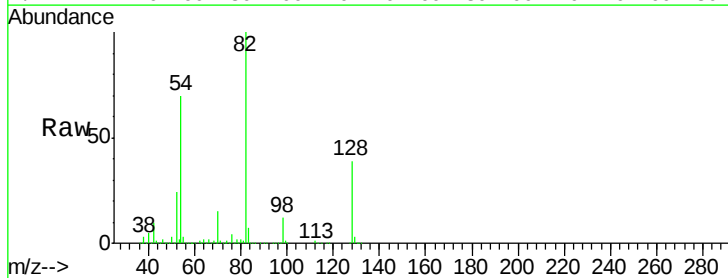
Ion Ratio Lower Upper

70 100

42 68.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

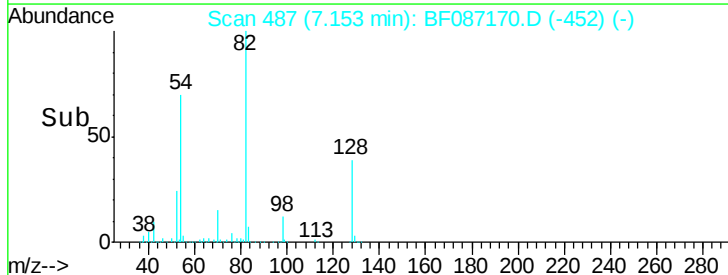
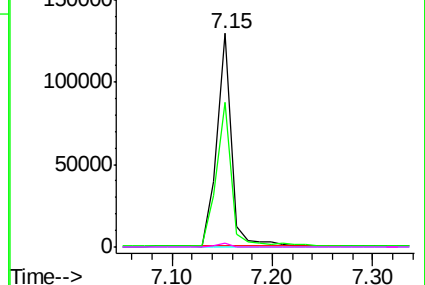


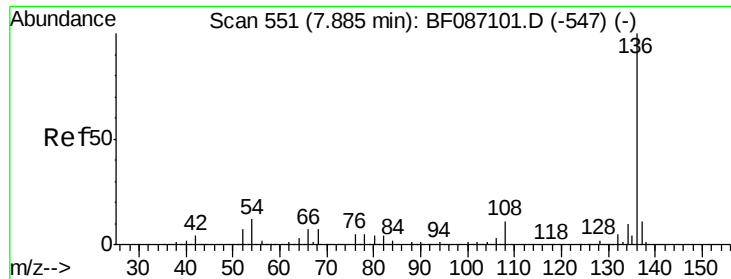
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

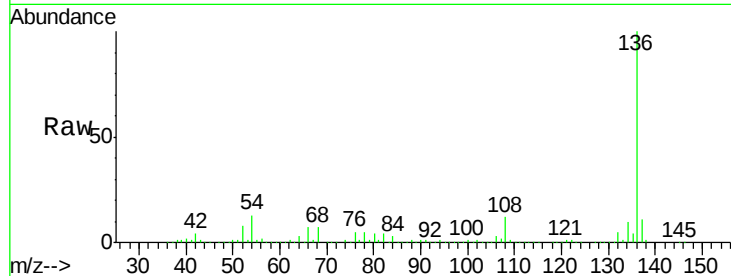




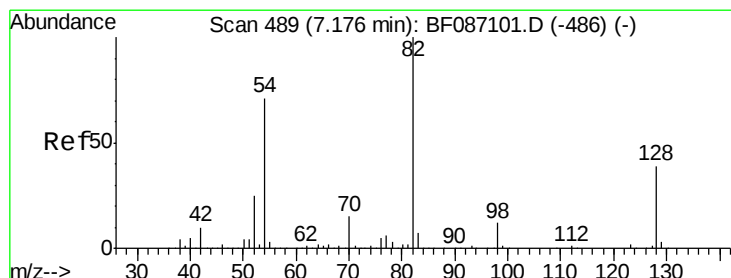
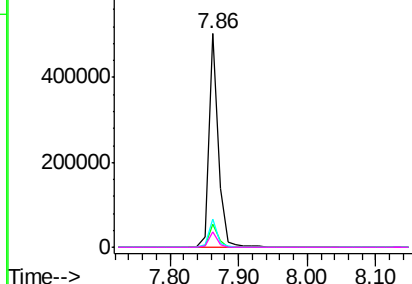
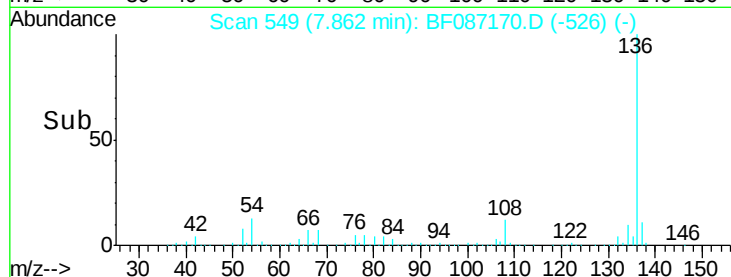
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087170.D
Acq: 19 May 2016 4:48

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	477091
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	13.2	5.0	7.4#
68	7.2	4.4	6.6#

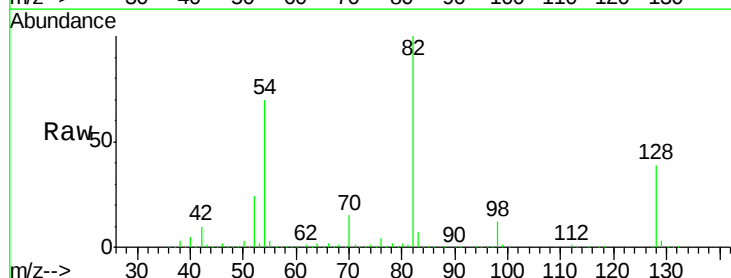


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

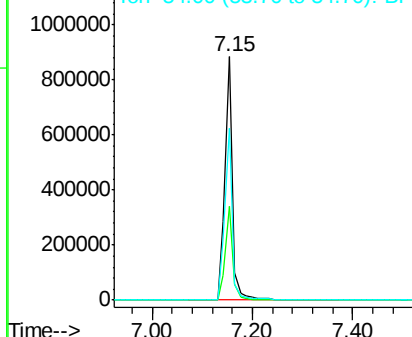
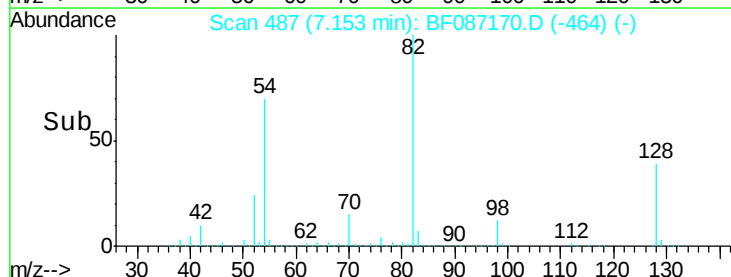


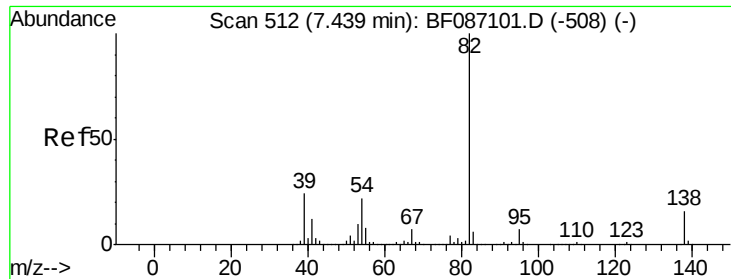
#23
Nitrobenzene-d5
Concen: 97.16 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087170.D
Acq: 19 May 2016 4:48

Tgt Ion:	82	Resp:	930076
Ion	Ratio	Lower	Upper
82	100		
128	38.8	40.6	61.0#
54	70.4	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.01 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

BNA_F

ClientSampled :

W-05

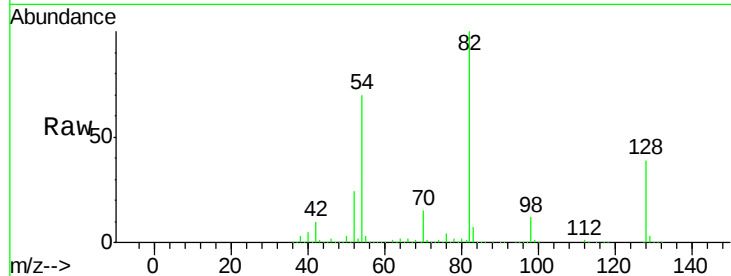
Tgt Ion: 82 Resp: 718730

Ion Ratio Lower Upper

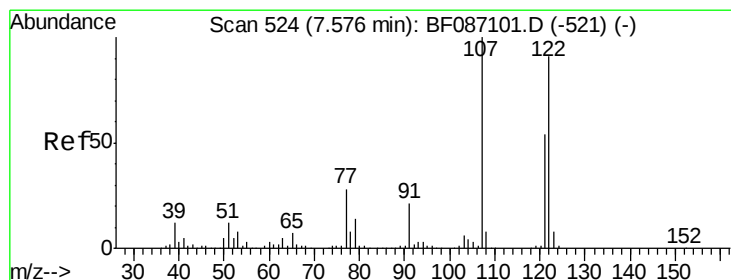
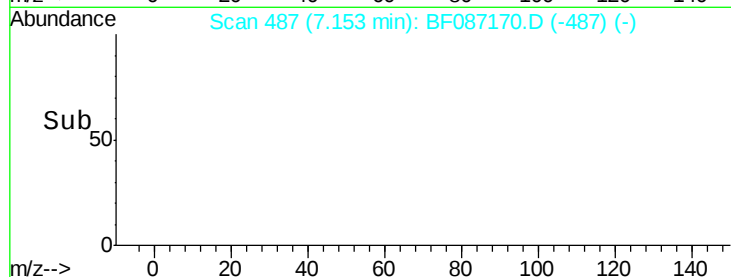
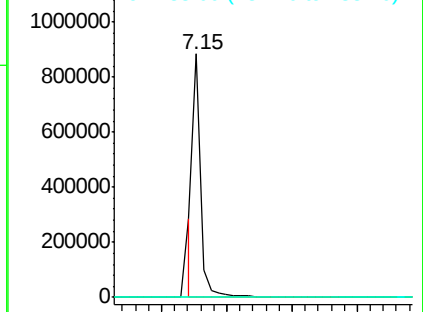
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#27

2,4-Dimethylphenol

Concen: 14.58 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

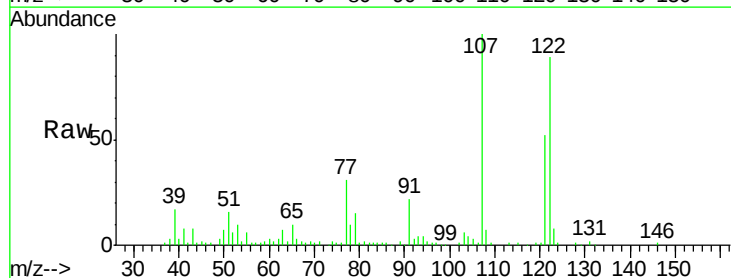
Tgt Ion: 122 Resp: 107695

Ion Ratio Lower Upper

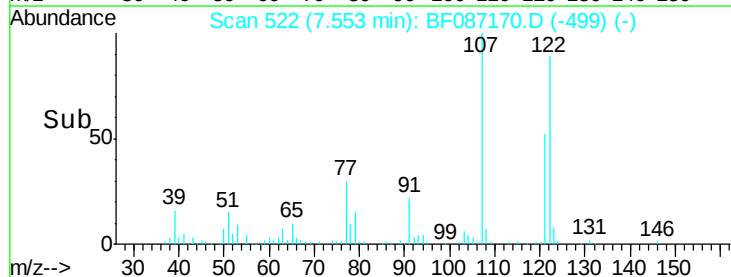
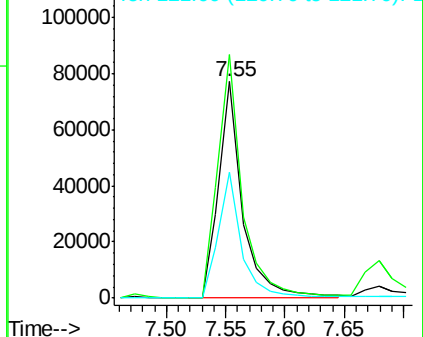
122 100

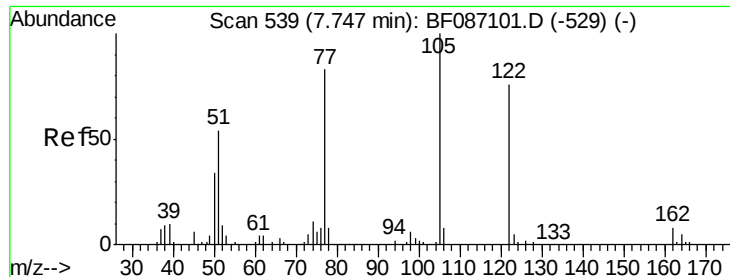
107 112.4 82.0 123.0

121 58.0 46.1 69.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 2.77 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.07 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

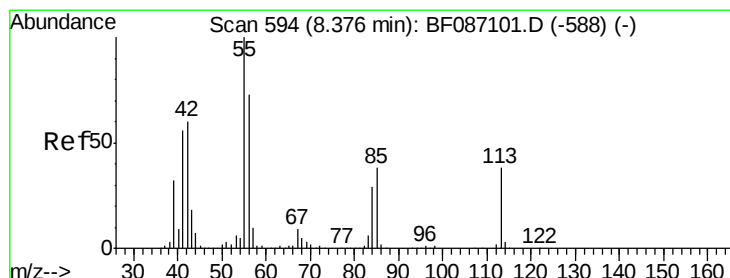
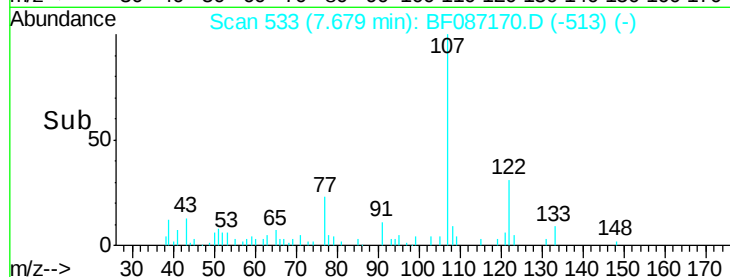
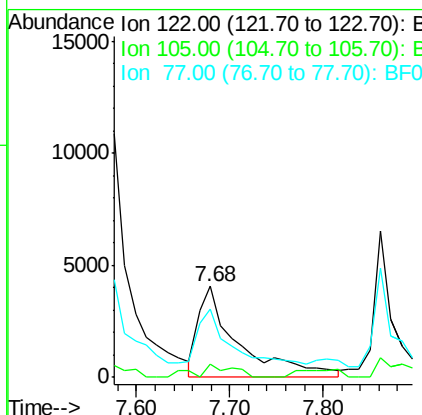
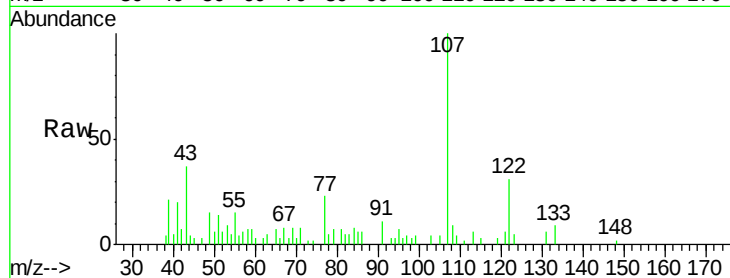
BNA_F

ClientSampleId :

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Tgt Ion:122 Resp: 12217

Ion	Ratio	Lower	Upper
122	100		
105	14.1	92.6	132.6#
77	74.3	60.0	100.0



#35

Caprolactam

Concen: 2.15 ng

RT: 8.31 min Scan# 588

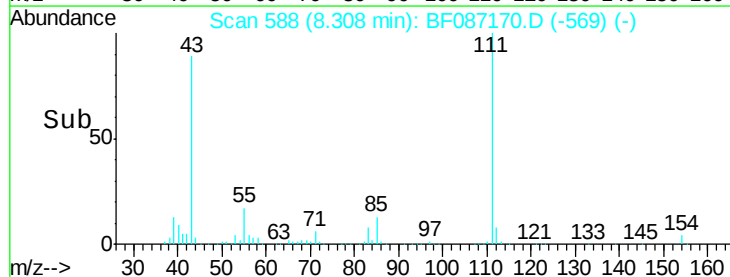
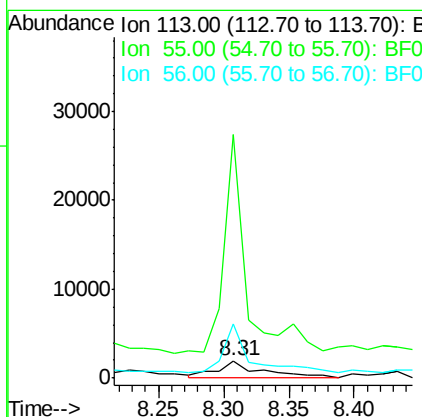
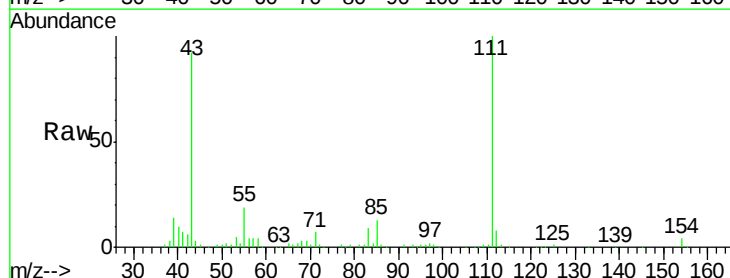
Delta R.T. -0.08 min

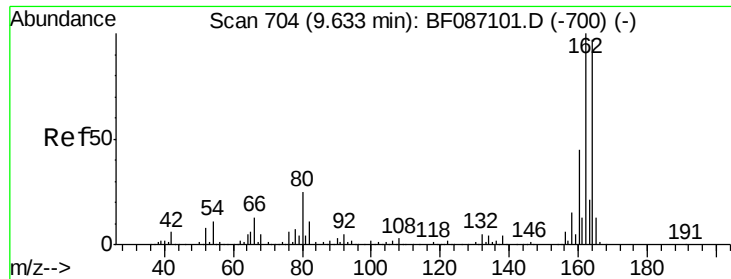
Lab File: BF087170.D

Acq: 19 May 2016 4:48

Tgt Ion:113 Resp: 4657

Ion	Ratio	Lower	Upper
113	100		
55	1418.2	162.0	202.0#
56	317.5	115.3	155.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

BNA_F

ClientSampleId :

W-05

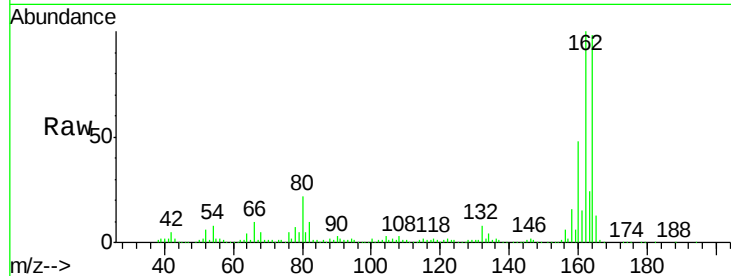
Tgt Ion:164 Resp: 223665

Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

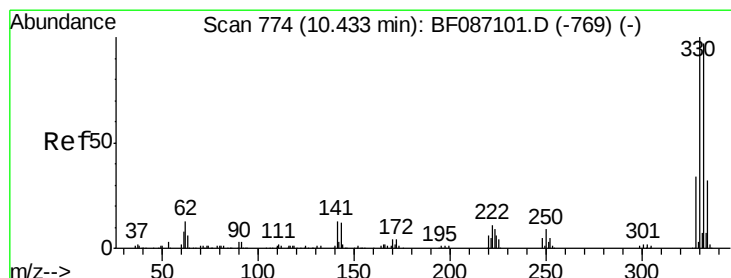
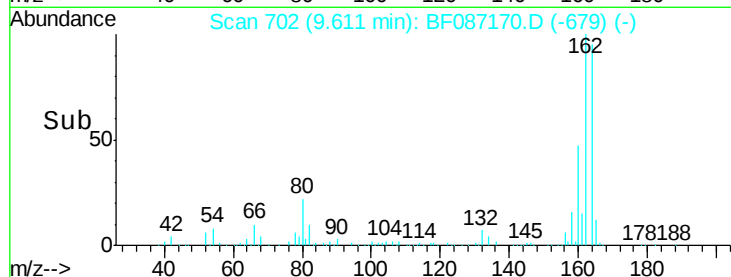
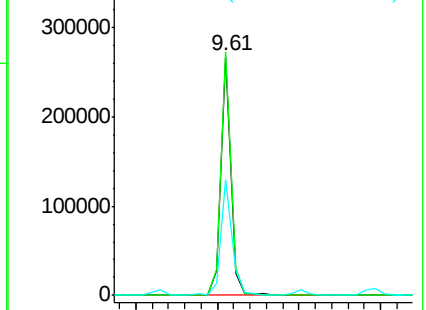
160 48.4 36.9 55.3



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: 140.07 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

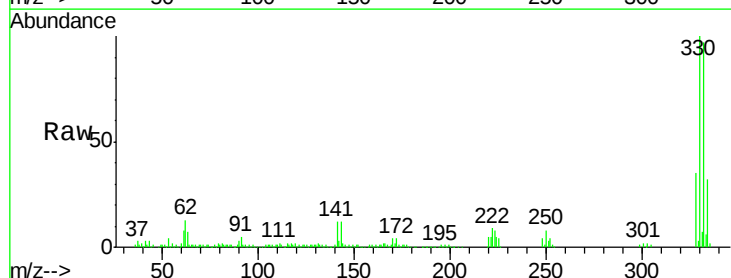
Tgt Ion:330 Resp: 346194

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

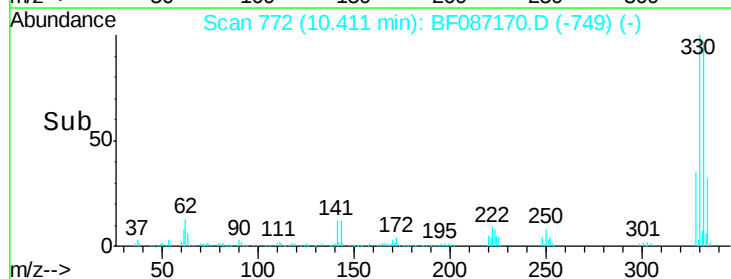
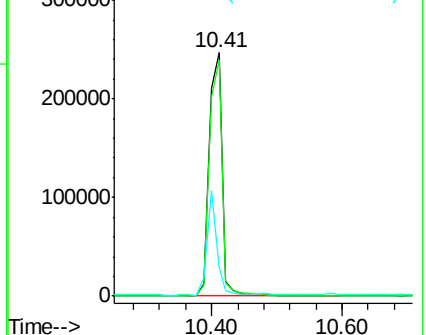
141 32.2 31.2 46.8

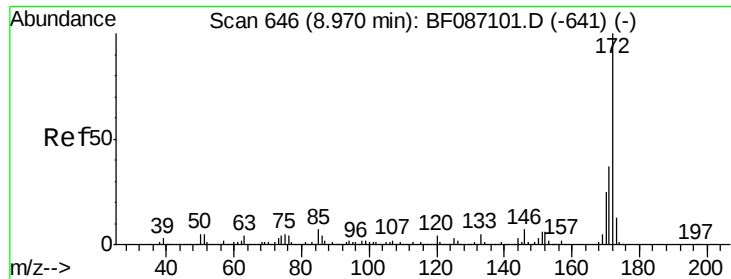


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

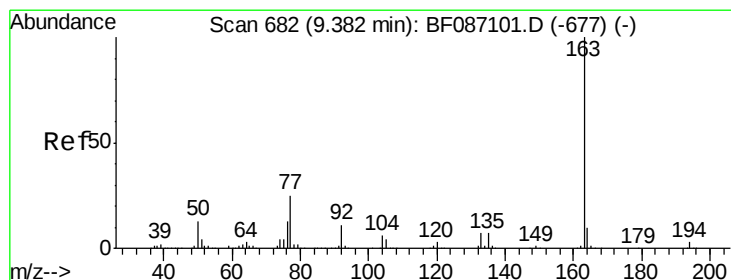
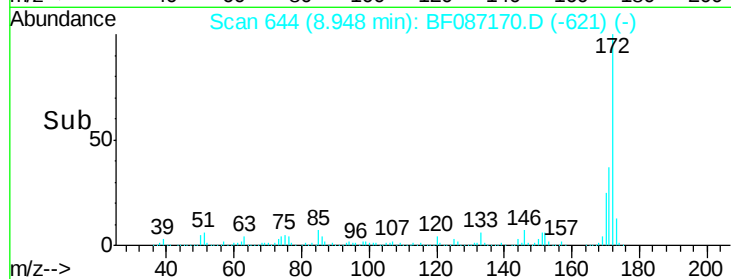
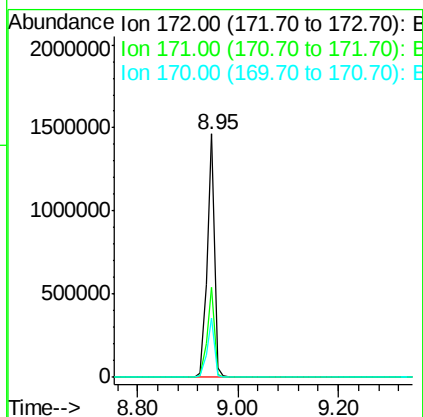
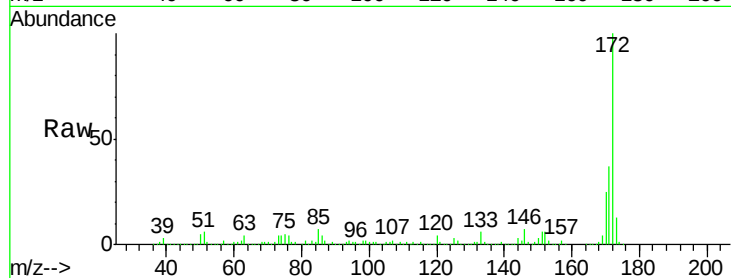




#44
2-Fluorobiphenyl
Concen: 109.16 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.03 min
Lab File: BF087170.D
Acq: 19 May 2016 4:48

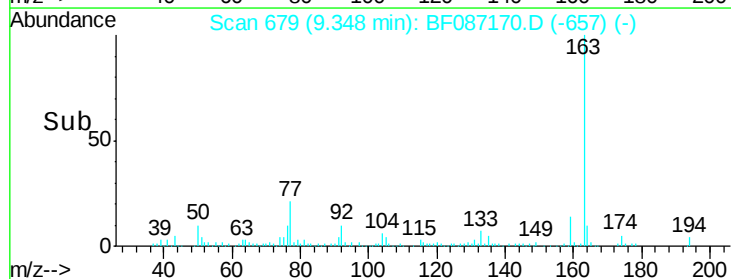
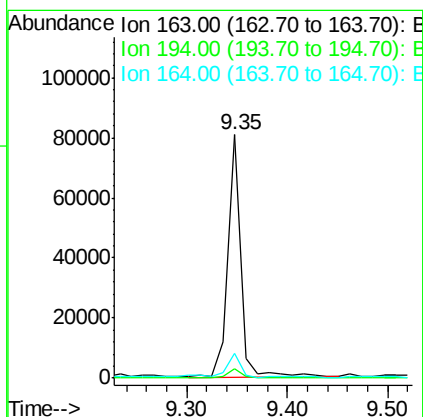
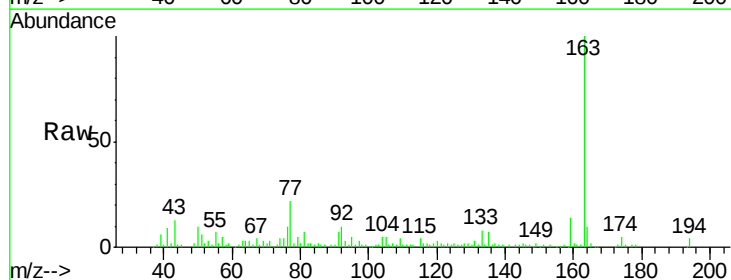
Instrument :
BNA_F
ClientSampleId :
W-05

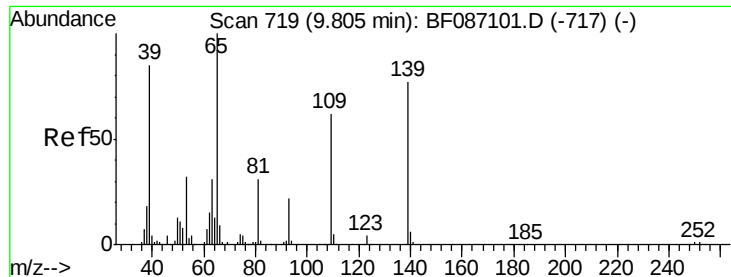
Tgt Ion:172 Resp: 1474255
Ion Ratio Lower Upper
172 100
171 37.0 29.0 43.6
170 24.6 19.8 29.8



#49
Dimethylphthalate
Concen: 4.25 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF087170.D
Acq: 19 May 2016 4:48

Tgt Ion:163 Resp: 72526
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.1 8.2 12.4

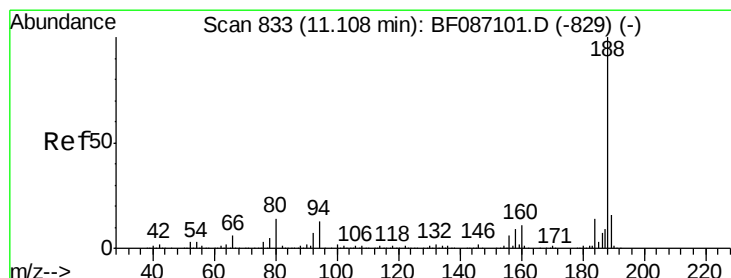
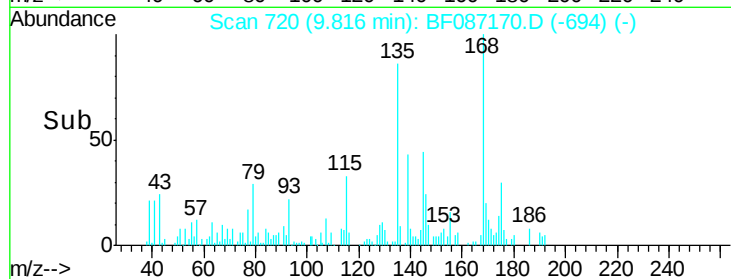
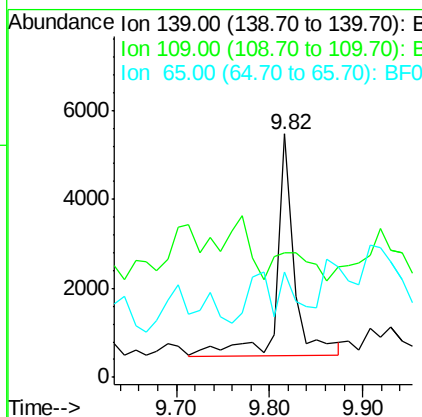
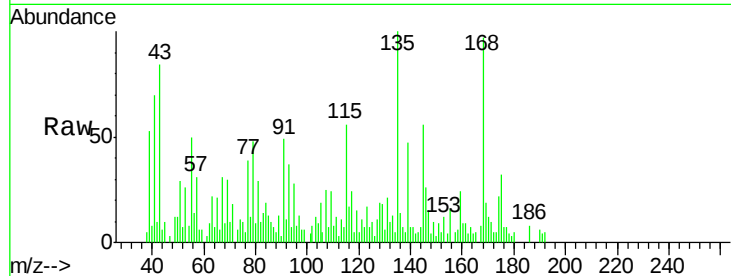




#55
4-Nitrophenol
Concen: 5.60 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF087170.D
Acq: 19 May 2016 4:48

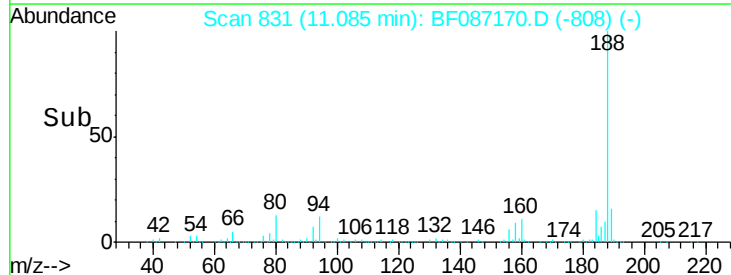
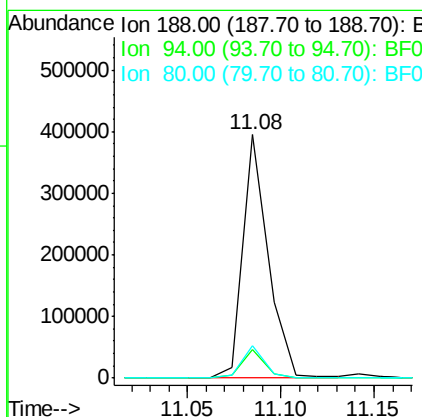
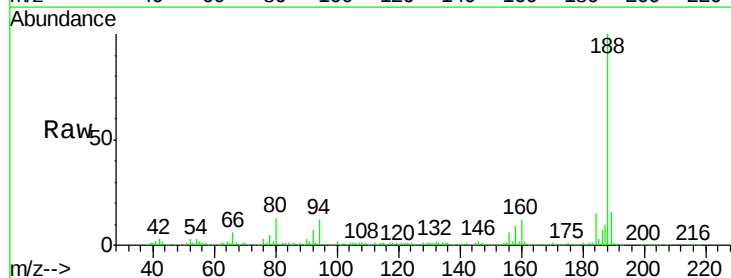
Instrument :
BNA_F
ClientSampleId :
W-05

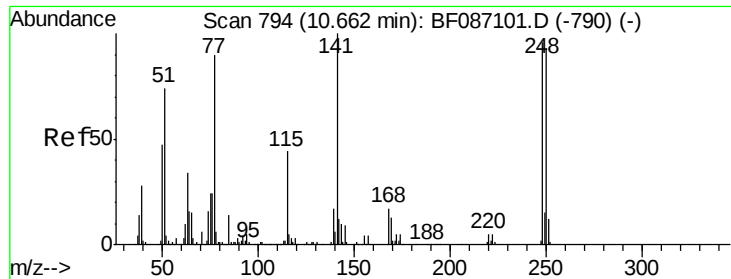
Tgt Ion:139 Resp: 6378
Ion Ratio Lower Upper
139 100
109 51.3 36.9 76.9
65 43.5 64.0 104.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.03 min
Lab File: BF087170.D
Acq: 19 May 2016 4:48

Tgt Ion:188 Resp: 372732
Ion Ratio Lower Upper
188 100
94 11.8 6.8 10.2#
80 13.4 7.1 10.7#

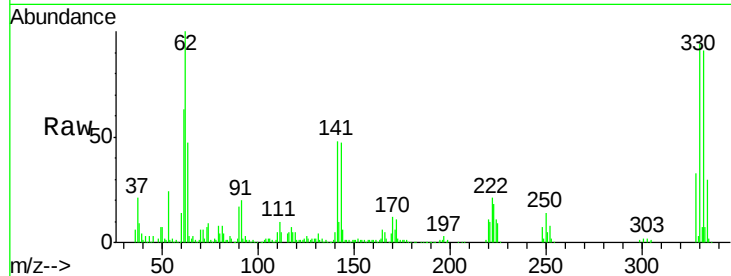




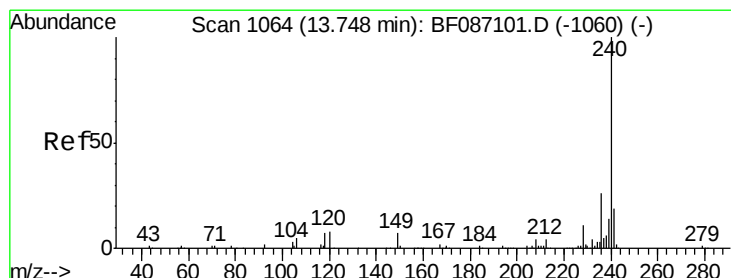
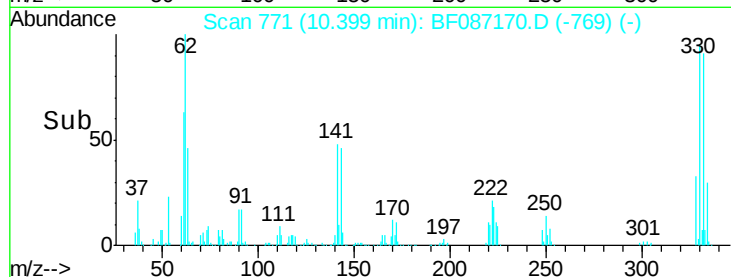
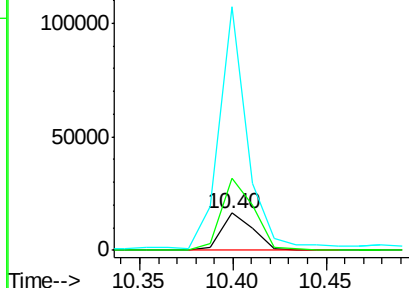
#66
 4-Bromophenyl-phenylether
 Concen: 5.20 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.27 min
 Lab File: BF087170.D
 Acq: 19 May 2016 4:48

Instrument :
 BNA_F
 ClientSampleId :
 W-05

Tgt Ion:248 Resp: 19928
 Ion Ratio Lower Upper
 248 100
 250 194.0 78.6 117.8#
 141 655.5 76.0 114.0#

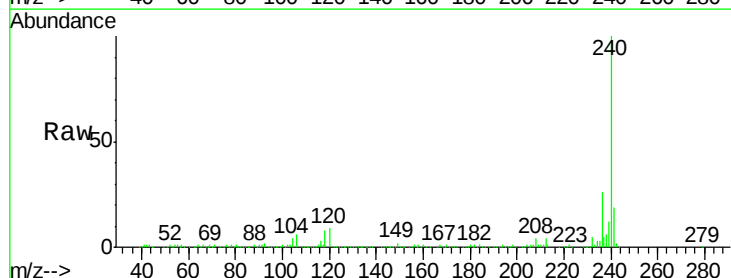


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

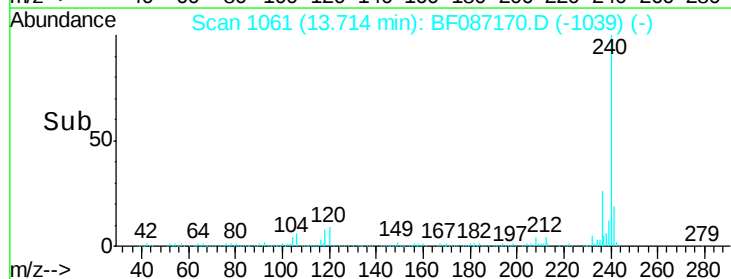
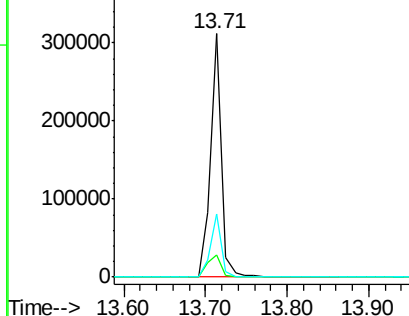


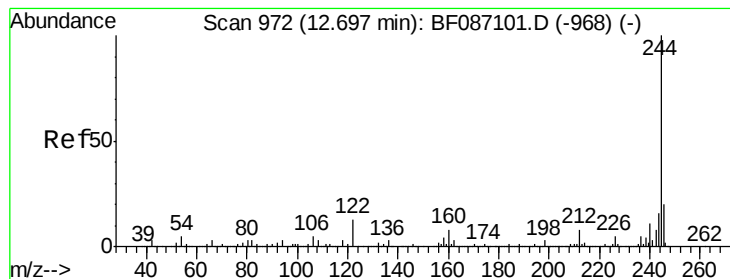
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.05 min
 Lab File: BF087170.D
 Acq: 19 May 2016 4:48

Tgt Ion:240 Resp: 298707
 Ion Ratio Lower Upper
 240 100
 120 9.4 11.2 16.8#
 236 26.0 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: 90.45 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

Instrument :

BNA_F

ClientSampleId :

W-05

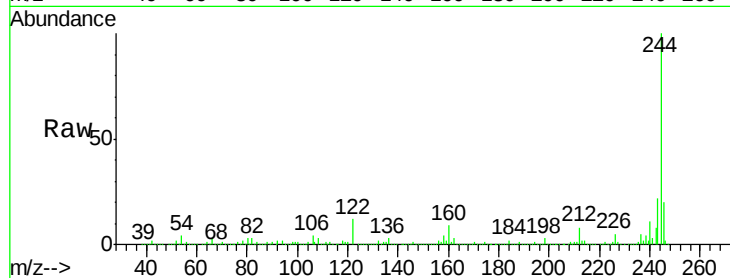
Tgt Ion:244 Resp: 1194446

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

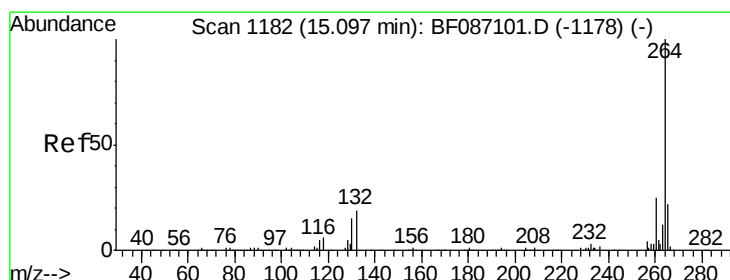
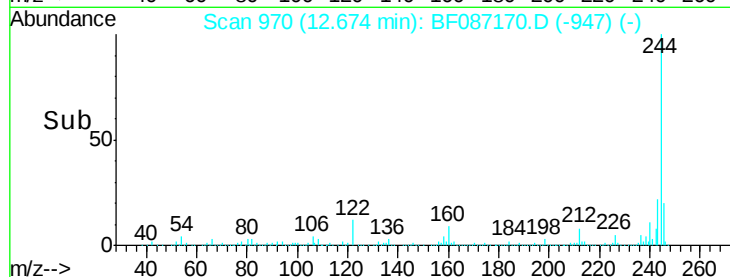
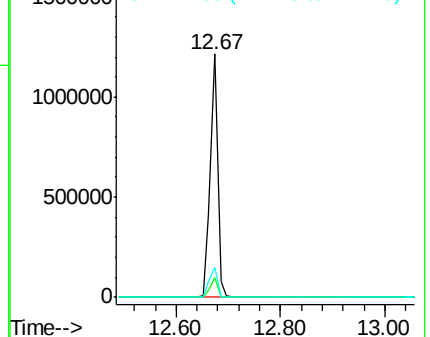
122 12.4 12.0 18.0



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: 15.06 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF087170.D

Acq: 19 May 2016 4:48

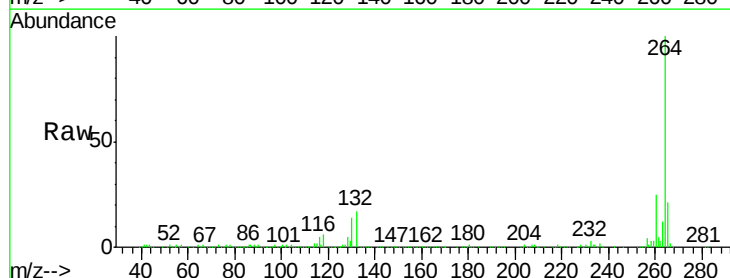
Tgt Ion:264 Resp: 284551

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 21.2 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

