

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087267.D
 Acq On : 21 May 2016 12:31
 Operator : UM/SJ
 Sample : H3144-17
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12-AB-AC(0-2)

Quant Time: May 23 00:59:03 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	6.56	152	119418	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	535931	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	255382	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	462622	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	333359	20.00	ng	-0.07
86) Perylene-d12	15.04	264	244298	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	997589	140.41	ng	-0.06
7) Phenol-d6	6.23	99	1319528	138.48	ng	-0.06
23) Nitrobenzene-d5	7.13	82	899350	83.63	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	303423	107.52	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1462564	94.85	ng	-0.06
78) Terphenyl-d14	12.65	244	1056508	71.69	ng	-0.06
Target Compounds						
15) Benzyl Alcohol	6.71	79	15498	2.18	ng	# 44
19) n-Nitroso-di-n-propylamine	7.13	70	125630	17.34	ng	# 71
25) Isophorone	7.13	82	850389	43.20	ng	# 68
49) Dimethylphthalate	9.32	163	213071	10.94	ng	100
56) 2,4-Dinitrotoluene	9.59	165	32466	5.99	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	19502	4.10	ng	# 1
76) Benzydine	12.65	184	16887	2.31	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

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Instrument :

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ClientSampleId :

12-AB-AC(0-2)

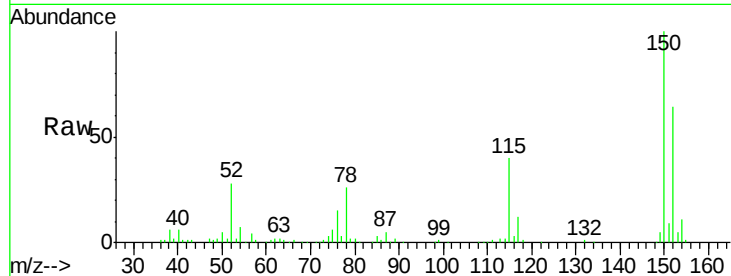
Tgt Ion:152 Resp: 119418

Ion Ratio Lower Upper

152 100

150 155.5 125.8 188.6

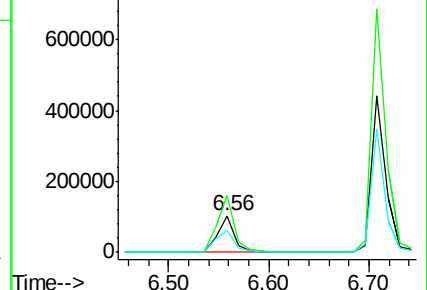
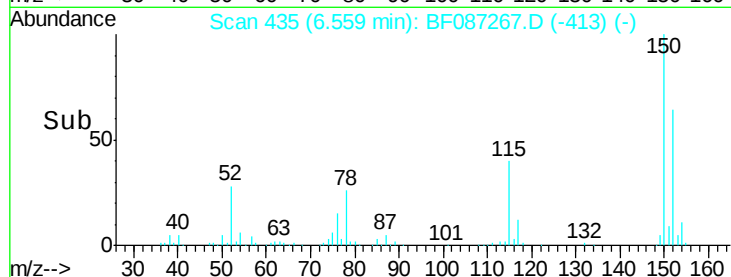
115 61.7 51.5 77.3



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: 140.41 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.06 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

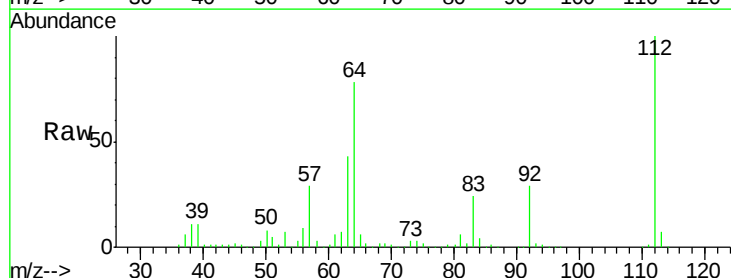
Tgt Ion:112 Resp: 997589

Ion Ratio Lower Upper

112 100

64 78.0 52.1 78.1

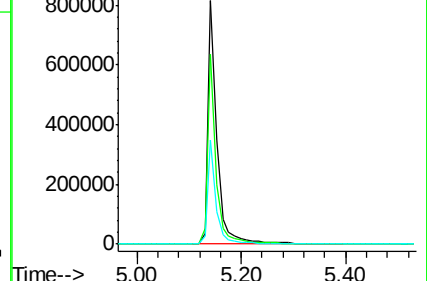
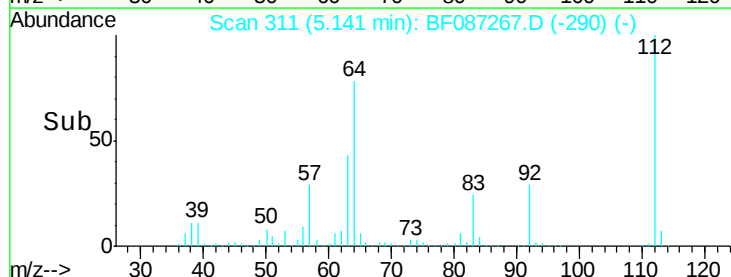
63 42.9 25.7 38.5



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: 138.48 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

Instrument :

BNA_F

ClientSampleId :

12-AB-AC(0-2)

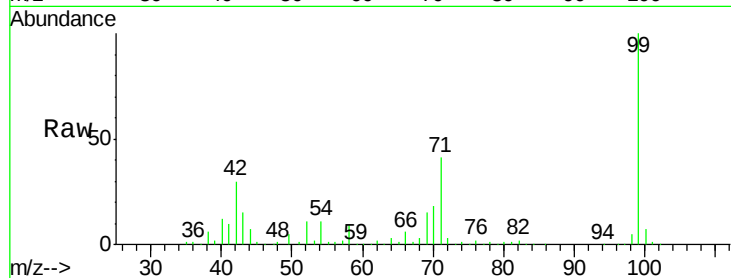
Tgt Ion: 99 Resp: 1319528

Ion Ratio Lower Upper

99 100

42 30.5 13.6 20.4#

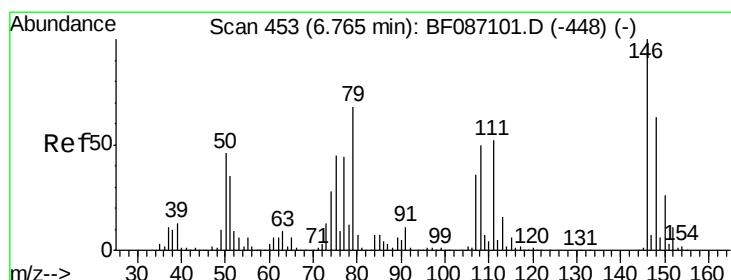
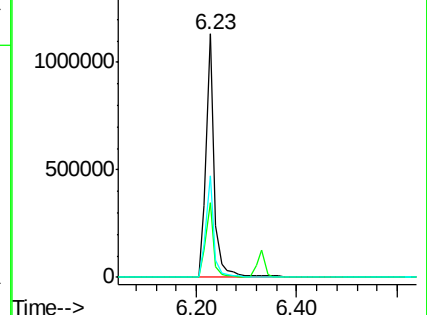
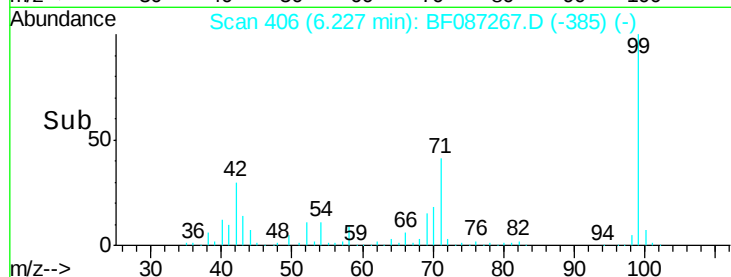
71 41.5 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

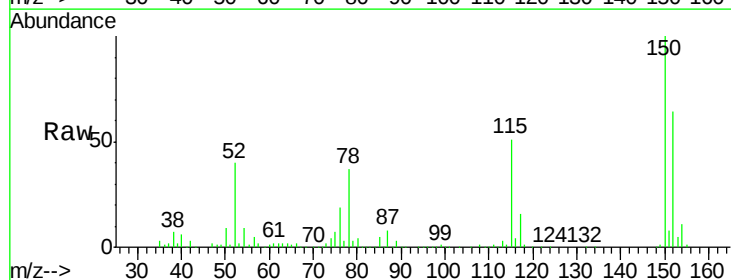
Tgt Ion: 79 Resp: 15498

Ion Ratio Lower Upper

79 100

108 29.3 68.4 102.6#

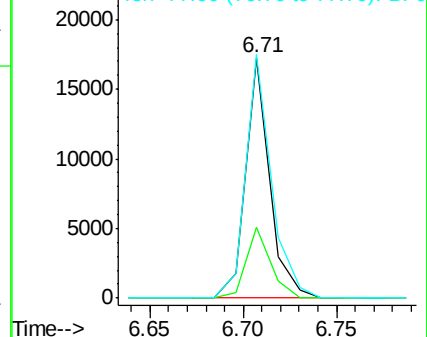
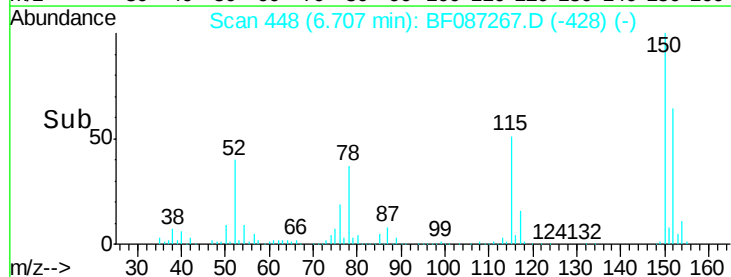
77 101.3 50.6 76.0#

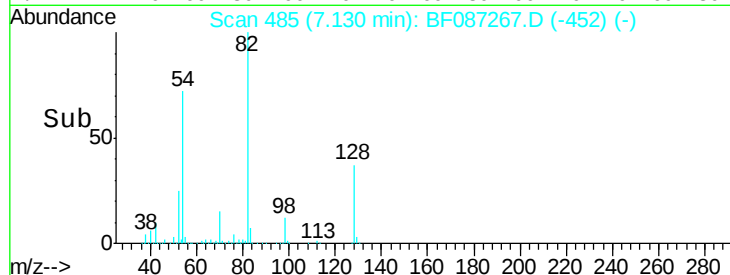
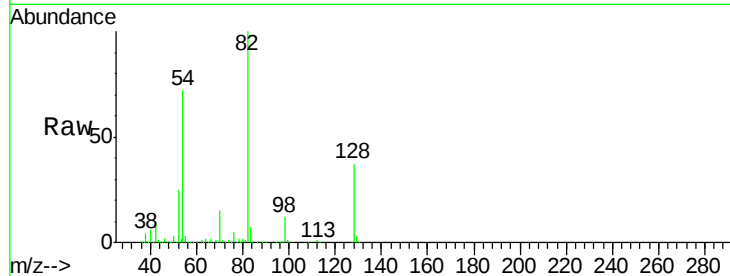
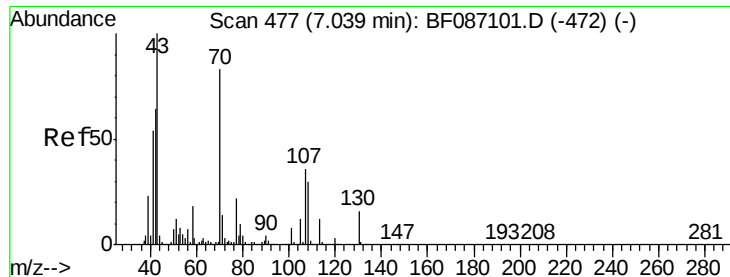


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

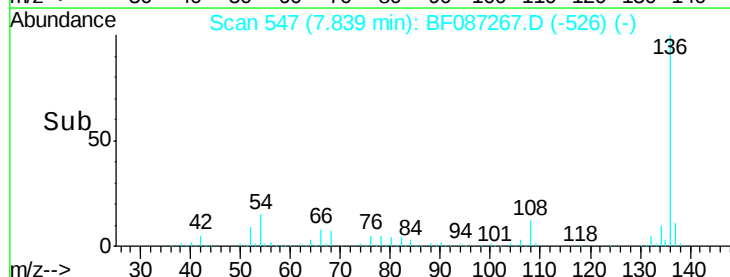
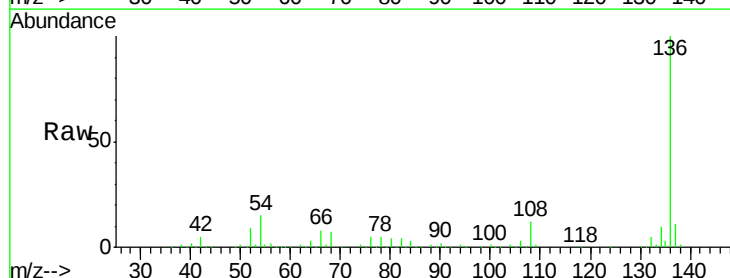
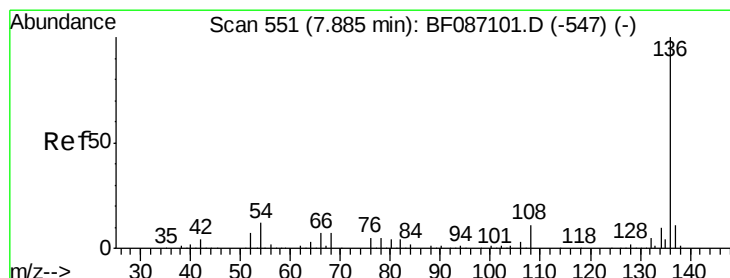
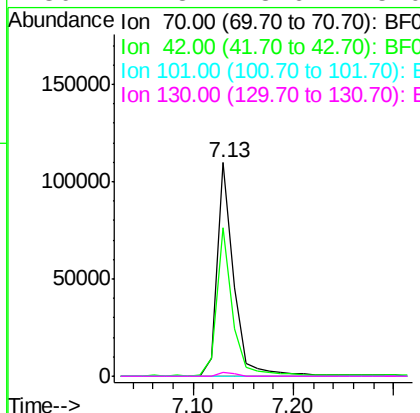




#19
n-Nitroso-di-n-propylamine
Concen: 17.34 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.08 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

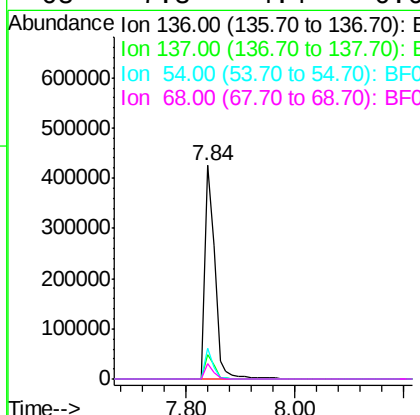
Instrument :
BNA_F
ClientSampleId :
12-AB-AC(0-2)

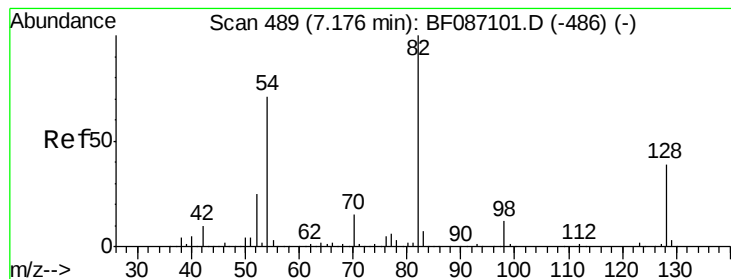
Tgt Ion: 70 Resp: 125630
Ion Ratio Lower Upper
70 100
42 69.7 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

Tgt Ion: 136 Resp: 535931
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 14.6 5.0 7.4#
68 7.3 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 83.63 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.06 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

Instrument :

BNA_F

ClientSampleId :

12-AB-AC(0-2)

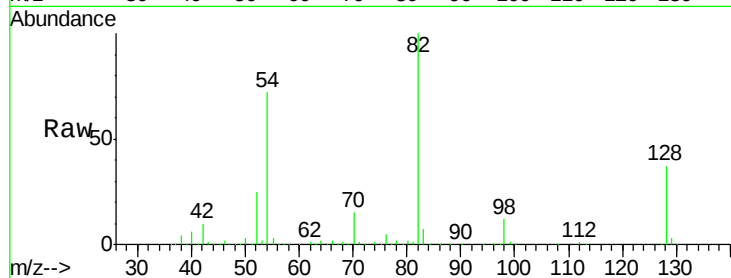
Tgt Ion: 82 Resp: 899350

Ion Ratio Lower Upper

82 100

128 36.8 40.6 61.0#

54 72.3 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

7.13

800000

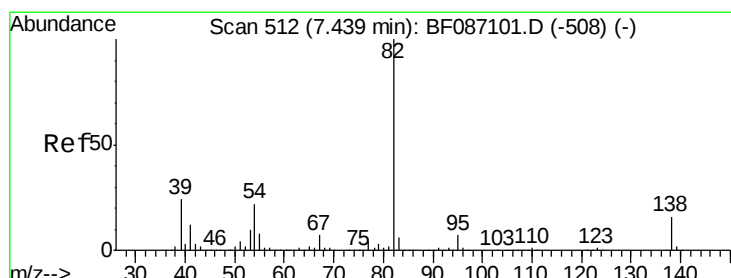
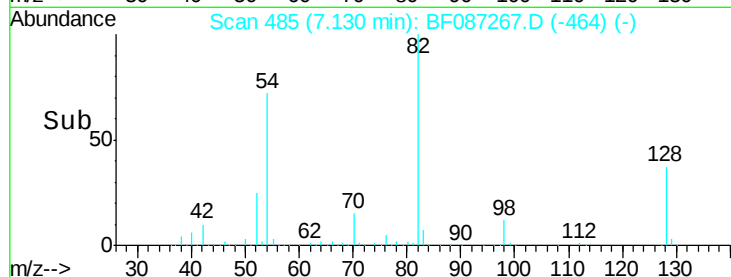
600000

400000

200000

0

Time-->



#25

Isophorone

Concen: 43.20 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

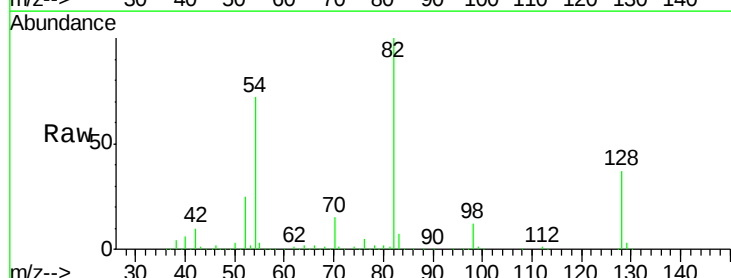
Tgt Ion: 82 Resp: 850389

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): BF0

7.13

800000

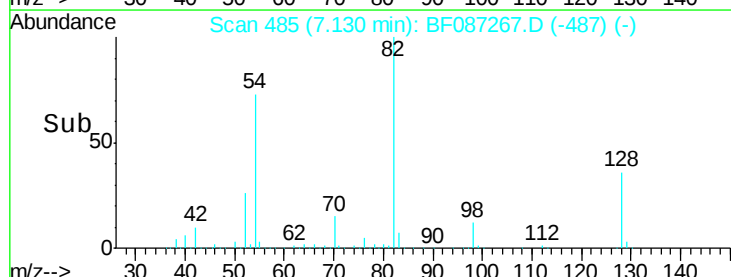
600000

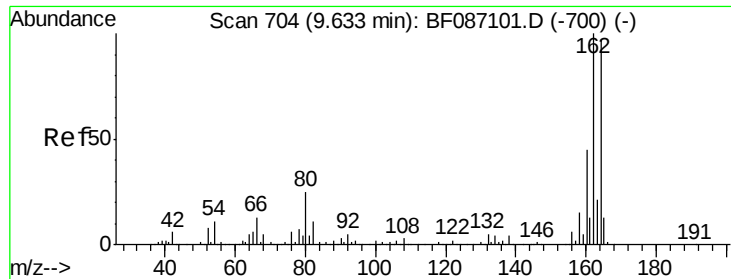
400000

200000

0

Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

Instrument :

BNA_F

ClientSampleId :

12-AB-AC(0-2)

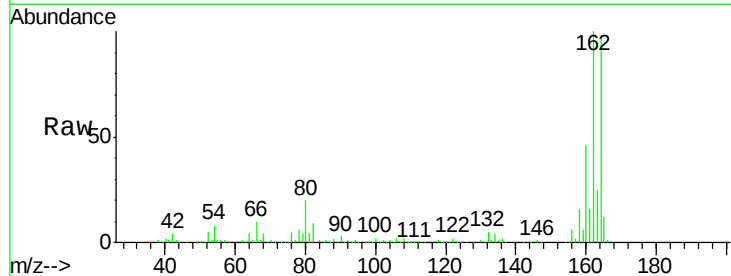
Tgt Ion:164 Resp: 255382

Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

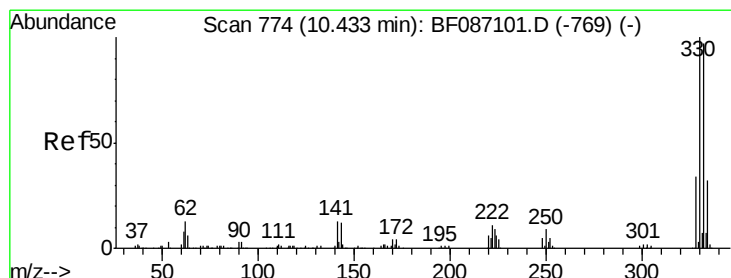
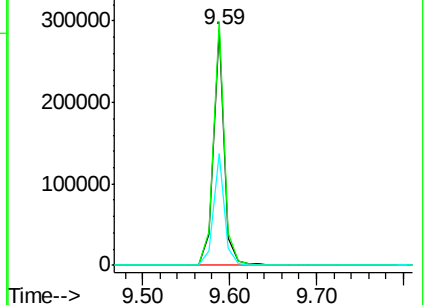
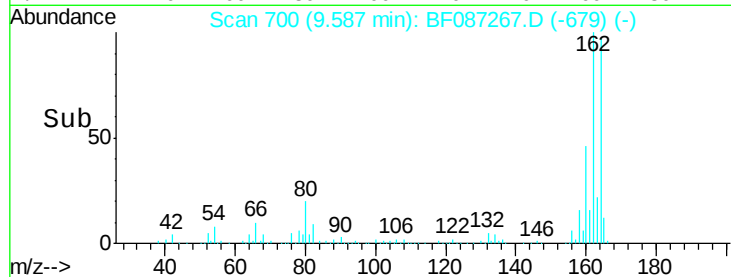
160 47.4 36.9 55.3



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: 107.52 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.07 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

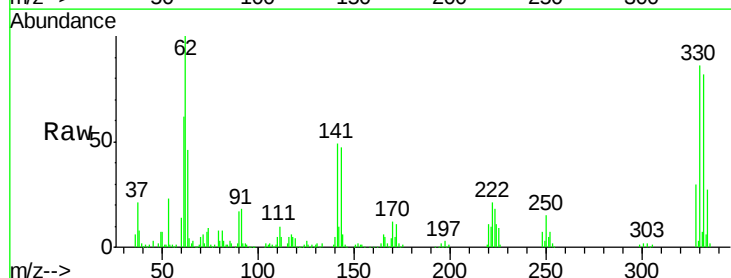
Tgt Ion:330 Resp: 303423

Ion Ratio Lower Upper

330 100

332 96.7 79.0 118.4

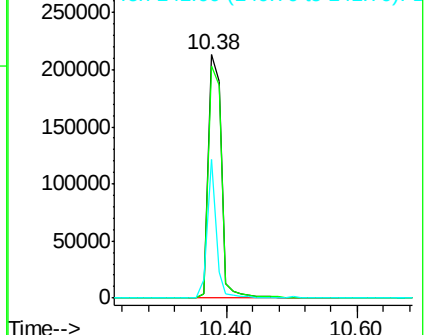
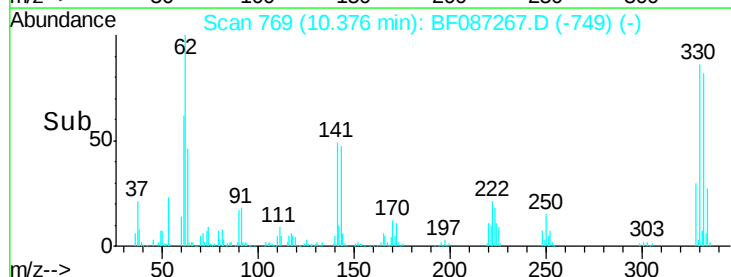
141 38.8 31.2 46.8

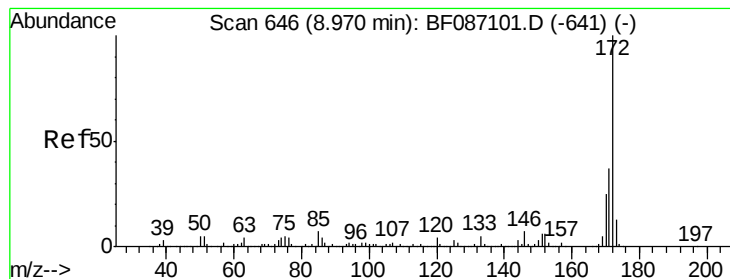


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

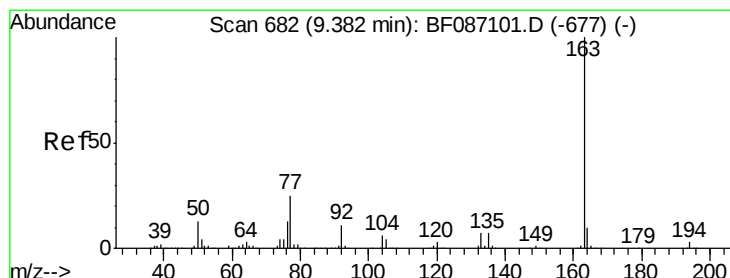
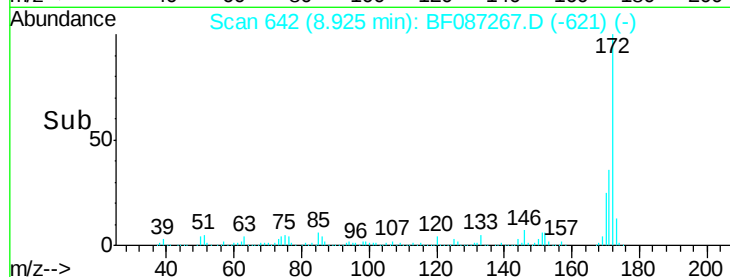
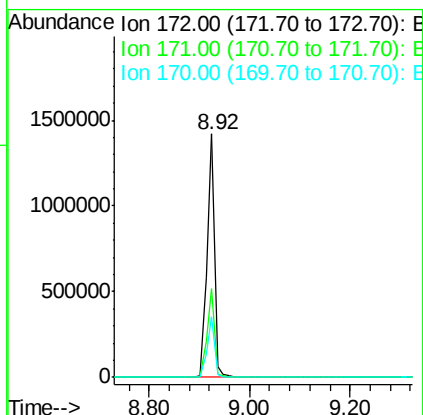
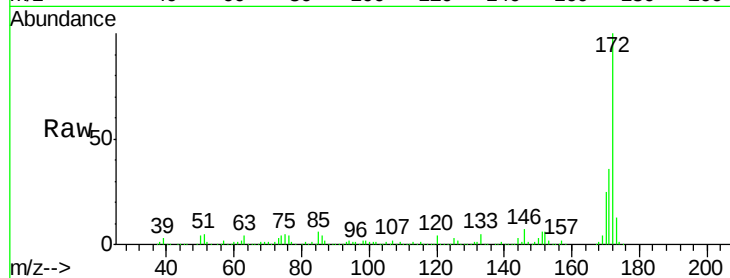




#44
2-Fluorobiphenyl
Concen: 94.85 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

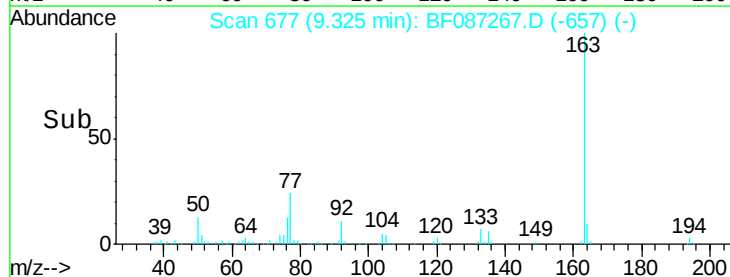
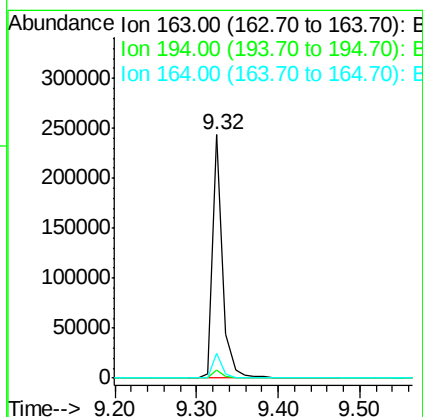
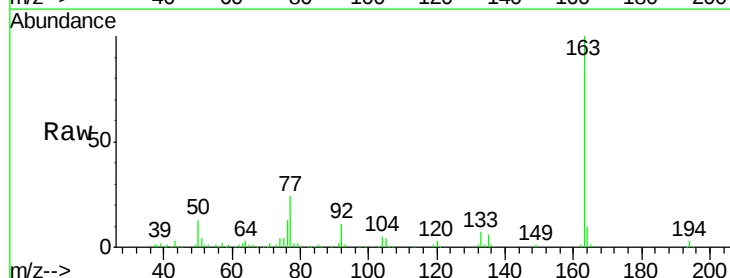
Instrument :
BNA_F
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12-AB-AC(0-2)

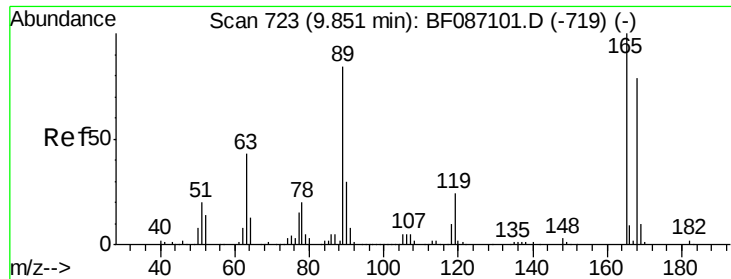
Tgt Ion:172 Resp: 1462564
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 24.8 19.8 29.8



#49
Dimethylphthalate
Concen: 10.94 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.07 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

Tgt Ion:163 Resp: 213071
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.4 8.2 12.4

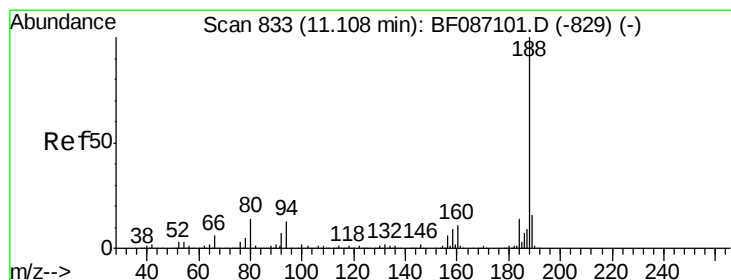
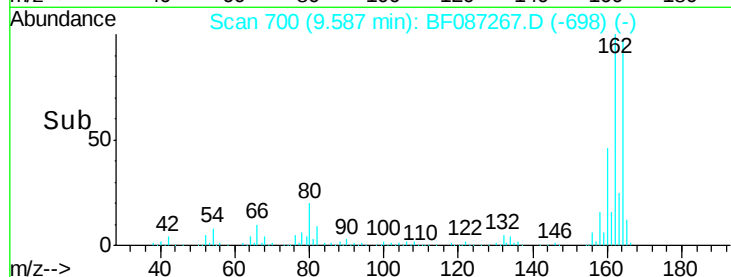
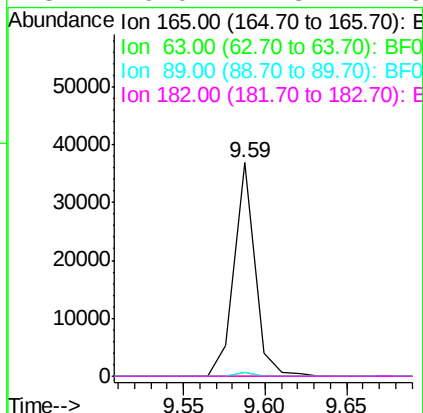
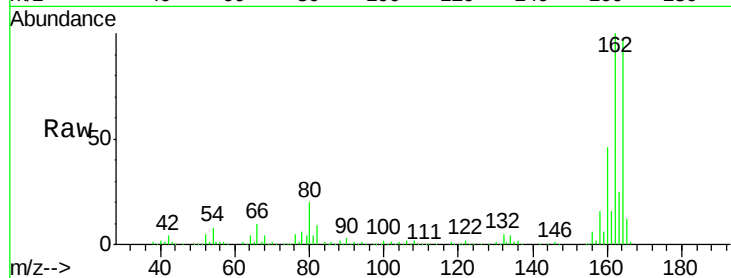




#56
 2,4-Dinitrotoluene
 Concen: 5.99 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.27 min
 Lab File: BF087267.D
 Acq: 21 May 2016 12:31

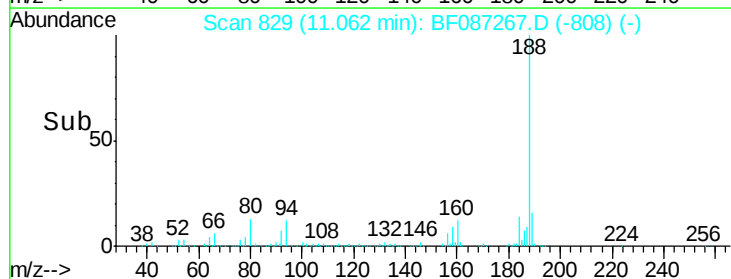
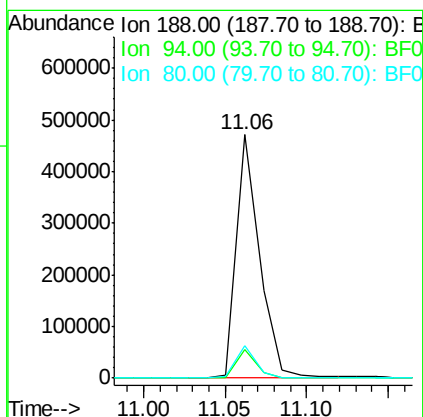
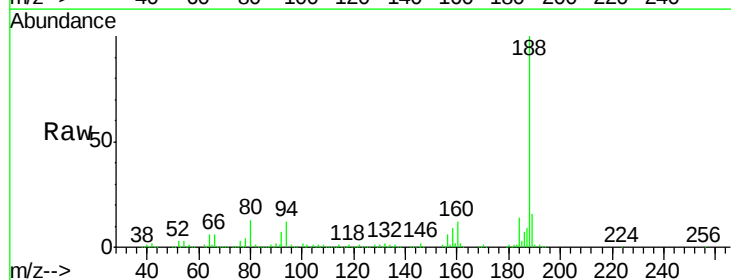
Instrument :
 BNA_F
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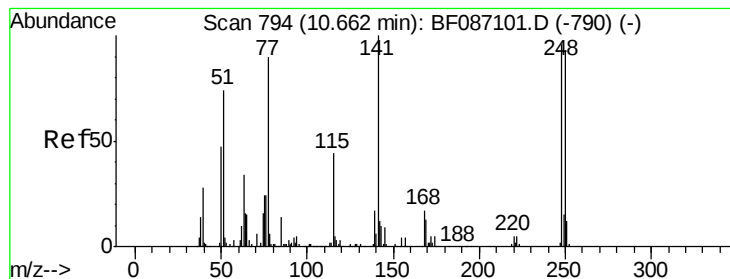
Tgt Ion:	165	Resp:	32466
Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	1.7	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF087267.D
 Acq: 21 May 2016 12:31

Tgt Ion:	188	Resp:	462622
Ion	Ratio	Lower	Upper
188	100		
94	11.7	6.8	10.2#
80	13.2	7.1	10.7#





#66

4-Bromophenyl-phenylether

Concen: 4.10 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.30 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

Instrument :

BNA_F

ClientSampleId :

12-AB-AC(0-2)

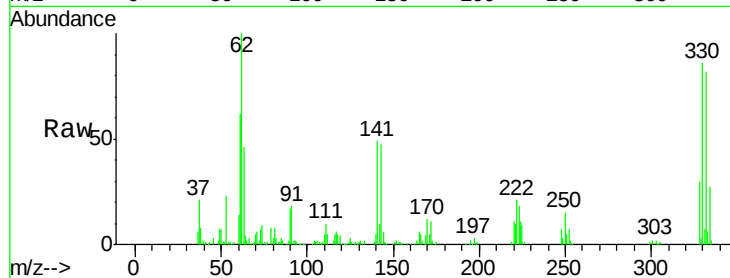
Tgt Ion:248 Resp: 19502

Ion Ratio Lower Upper

248 100

250 199.0 78.6 117.8#

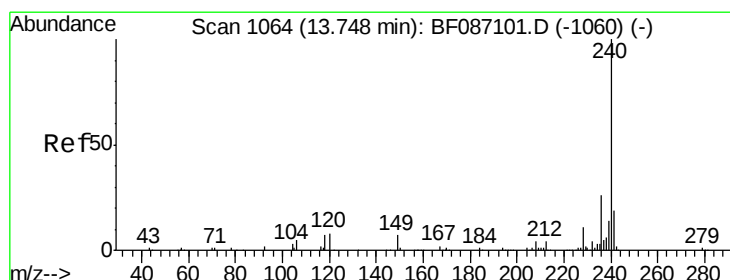
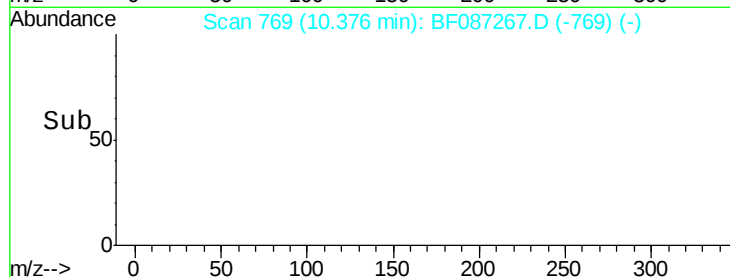
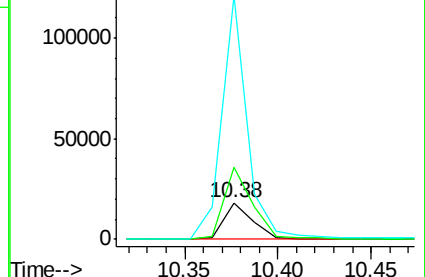
141 668.7 76.0 114.0#



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: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087267.D

Acq: 21 May 2016 12:31

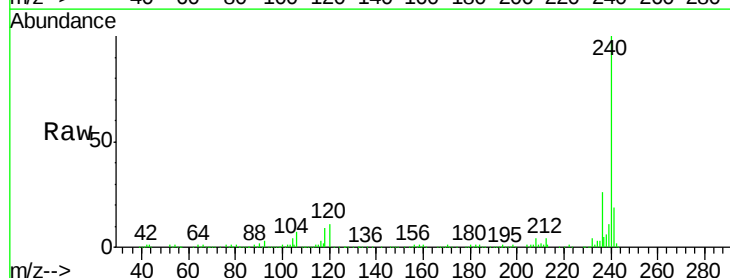
Tgt Ion:240 Resp: 333359

Ion Ratio Lower Upper

240 100

120 10.7 11.2 16.8#

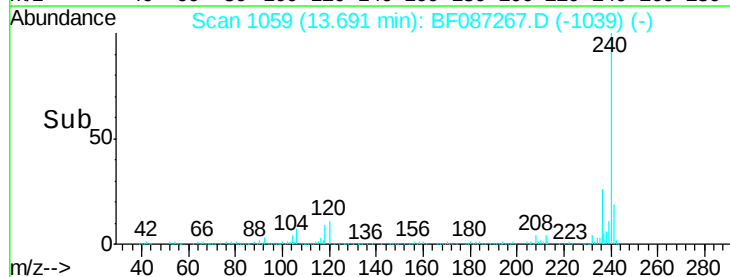
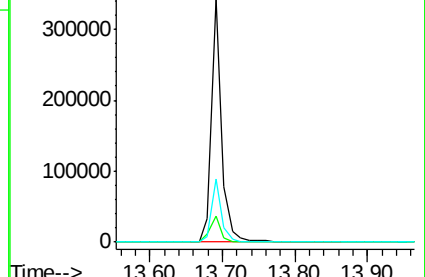
236 25.7 21.2 31.8

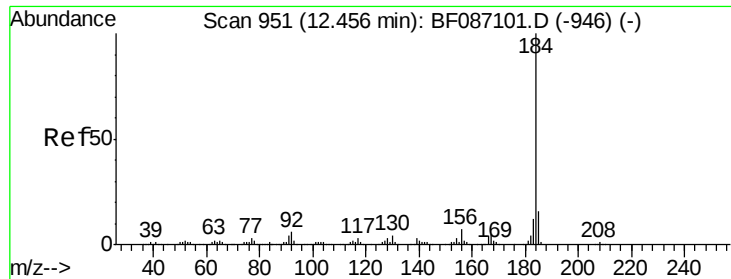


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

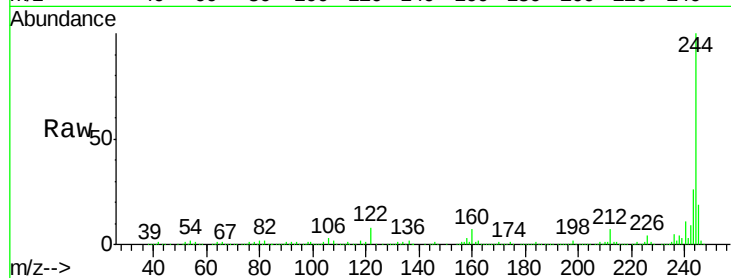




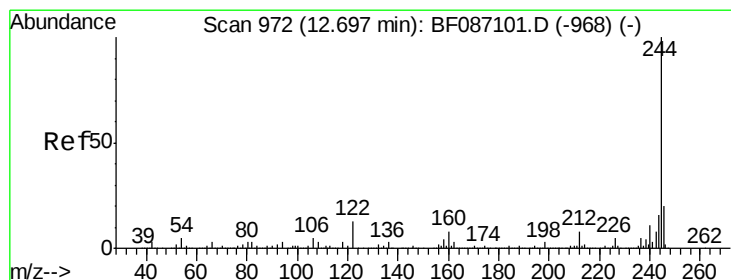
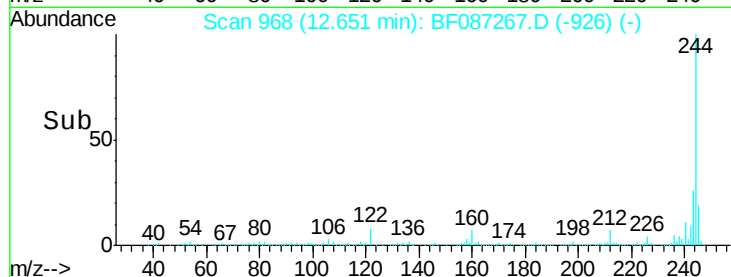
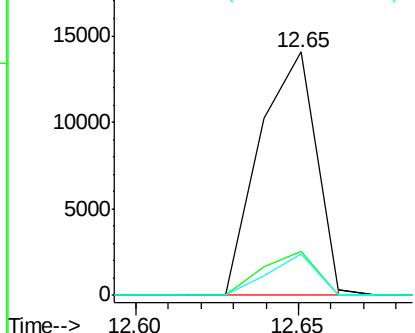
#76
Benzidine
Concen: 2.31 ng
RT: 12.65 min Scan# 968
Delta R.T. 0.18 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

Instrument :
BNA_F
ClientSampleId :
12-AB-AC(0-2)

Tgt Ion:184 Resp: 16887
Ion Ratio Lower Upper
184 100
185 18.1 13.6 20.4
183 17.0 9.8 14.6#

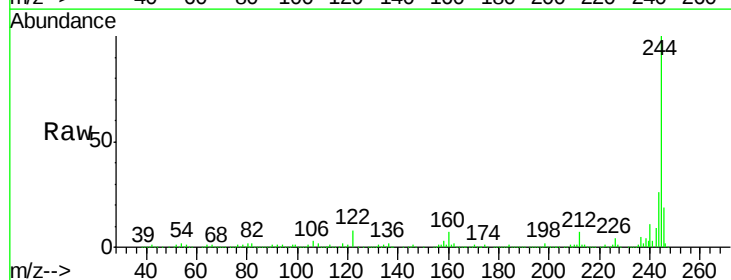


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

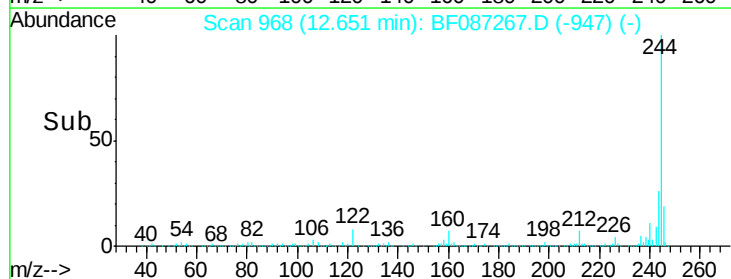
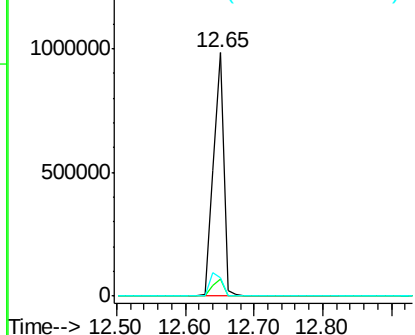


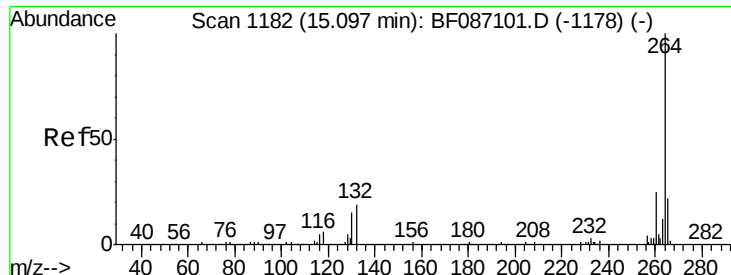
#78
Terphenyl-d14
Concen: 71.69 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.06 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

Tgt Ion:244 Resp: 1056508
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.2
122 7.7 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

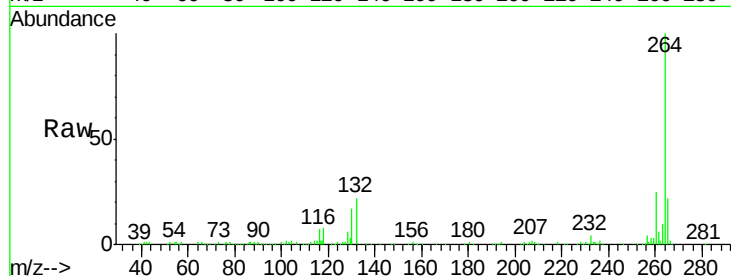




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF087267.D
Acq: 21 May 2016 12:31

Instrument :
BNA_F
ClientSampleId :
12-AB-AC(0-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	21.6	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

