

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087269.D
 Acq On : 21 May 2016 13:29
 Operator : UM/SJ
 Sample : H3144-14
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Quant Time: May 23 00:59:32 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	125936	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	558682	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	283116	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	492111	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	331835	20.00	ng	-0.07
86) Perylene-d12	15.04	264	246962	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	702674	93.78	ng	-0.06
7) Phenol-d6	6.23	99	1036481	103.14	ng	-0.06
23) Nitrobenzene-d5	7.13	82	627460	55.97	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	201762	64.49	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1154374	67.53	ng	-0.06
78) Terphenyl-d14	12.65	244	971043	66.20	ng	-0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	19950	2.68	ng	86
19) n-Nitroso-di-n-propylamine	7.13	70	88793	11.62	ng	# 72
25) Isophorone	7.13	82	605079	29.49	ng	# 68
49) Dimethylphthalate	9.32	163	195781	9.07	ng	100
56) 2,4-Dinitrotoluene	9.59	165	35442	5.90	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	14097	2.79	ng	# 1
74) Fluoranthene	12.27	202	65551	2.45	ng	96
76) Benzidine	12.65	184	15467	2.20	ng	# 92
77) Pyrene	12.50	202	53155	2.22	ng	99

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

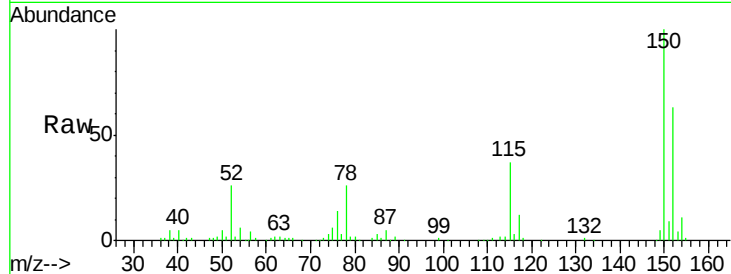


#1

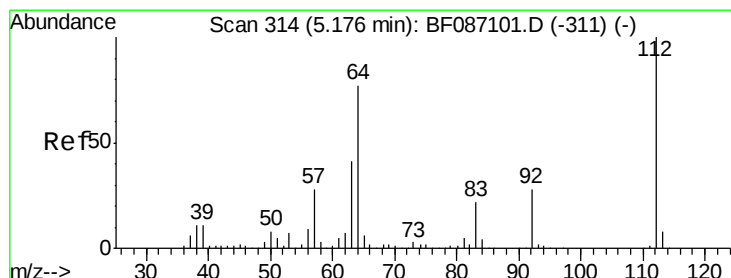
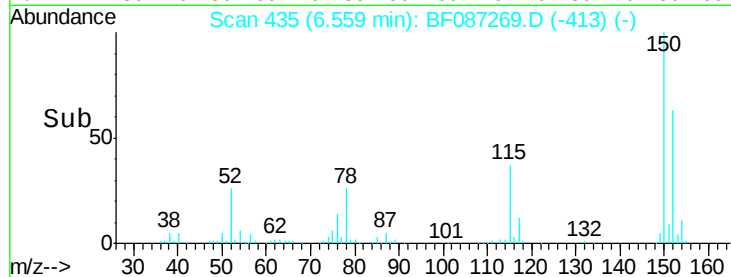
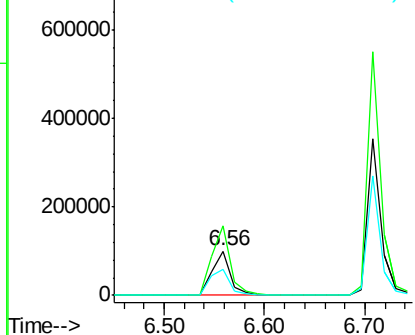
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion:152 Resp: 125936
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.6
115 58.3 51.5 77.3



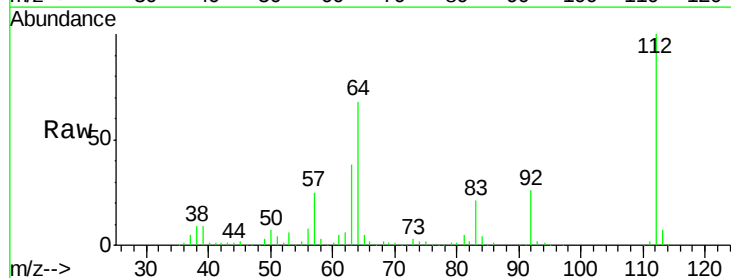
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



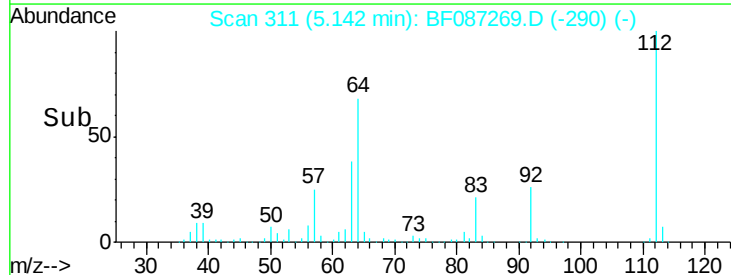
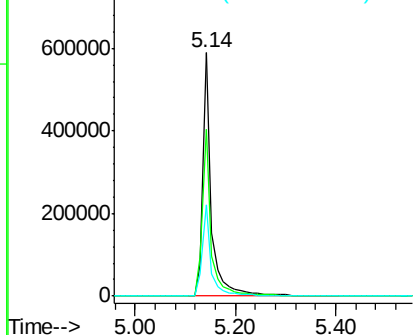
#5

2-Fluorophenol
Concen: 93.78 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.06 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

Tgt Ion:112 Resp: 702674
Ion Ratio Lower Upper
112 100
64 68.5 52.1 78.1
63 37.7 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: 103.14 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

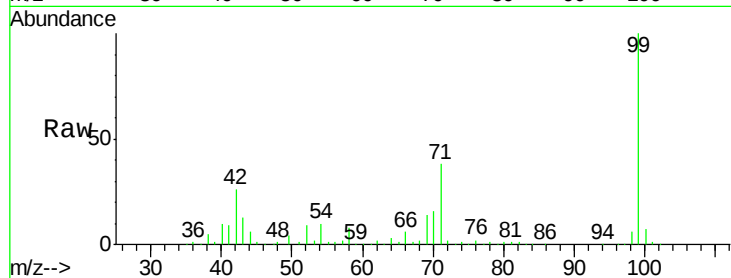
Tgt Ion: 99 Resp: 1036481

Ion Ratio Lower Upper

99 100

42 26.2 13.6 20.4#

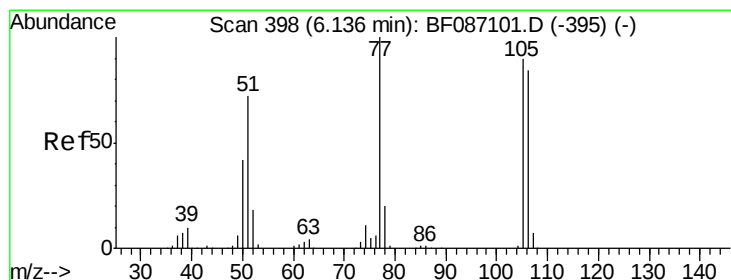
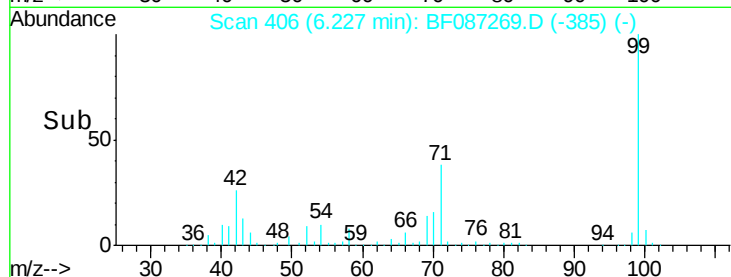
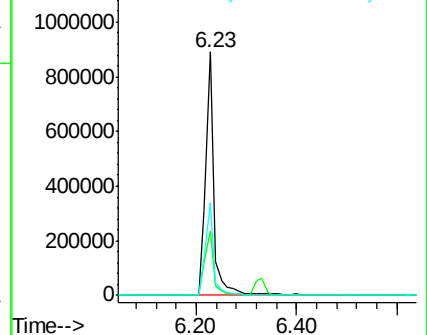
71 38.1 24.6 36.8#



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: 2.68 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.18 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

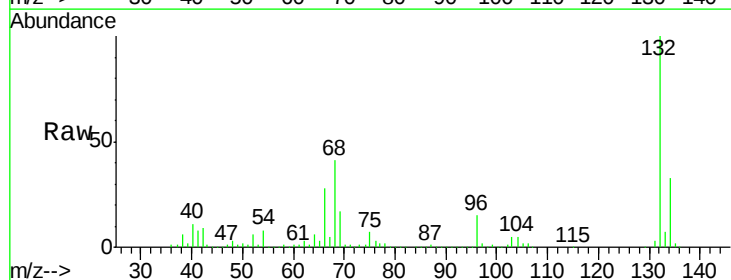
Tgt Ion: 77 Resp: 19950

Ion Ratio Lower Upper

77 100

105 85.1 72.7 112.7

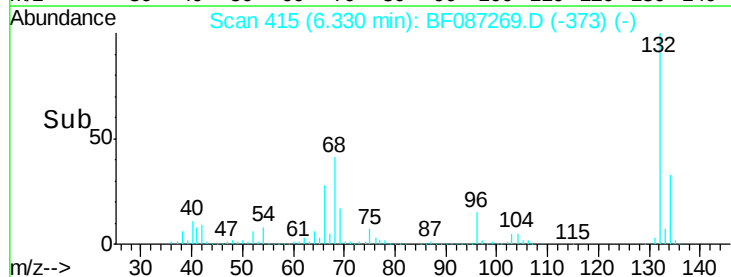
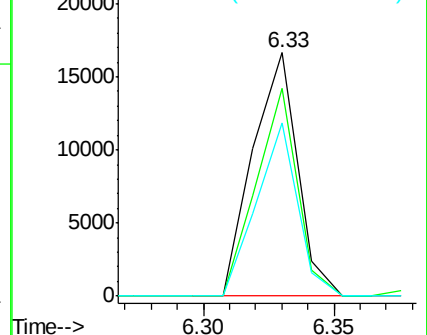
106 70.9 70.8 110.8

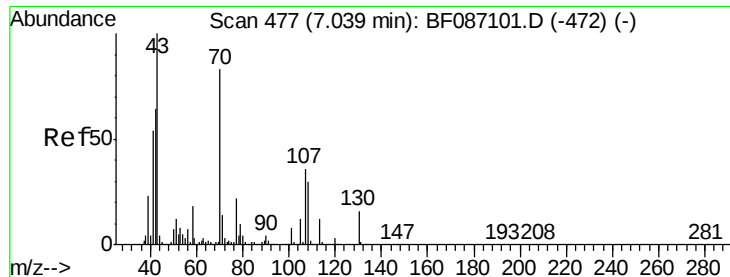


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

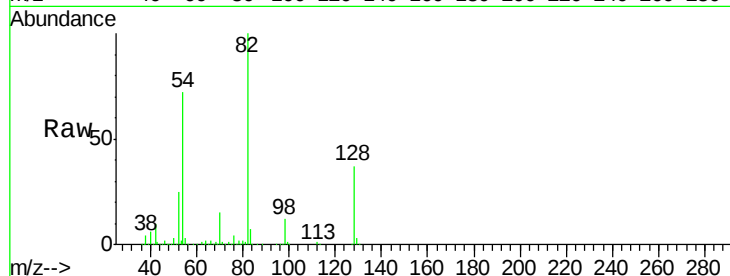




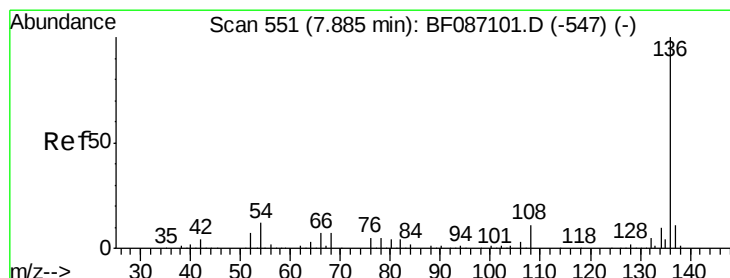
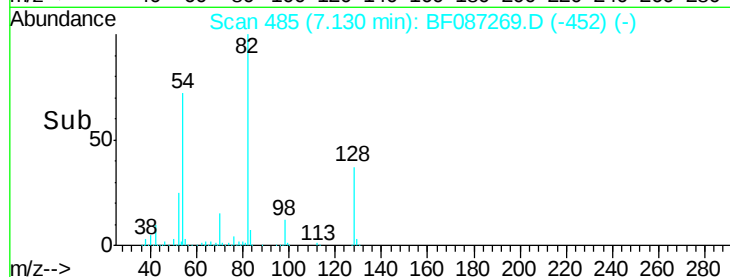
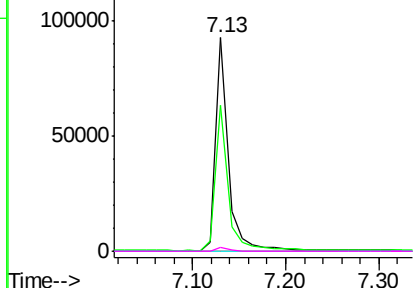
#19
n-Nitroso-di-n-propylamine
Concen: 11.62 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.08 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion: 70 Resp: 88793
Ion Ratio Lower Upper
70 100
42 68.5 43.1 64.7#
101 0.0 8.1 12.1#
130 1.6 18.6 28.0#



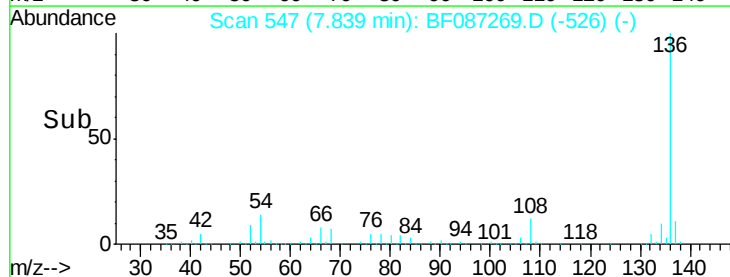
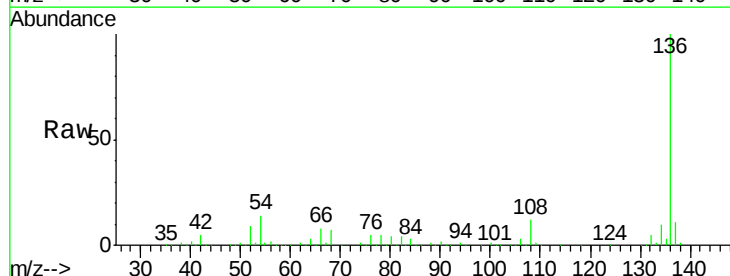
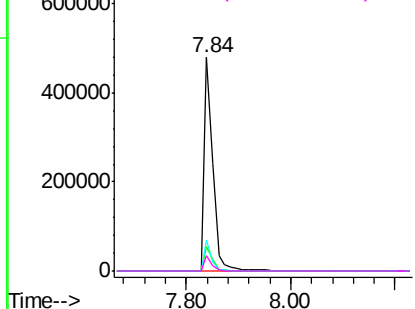
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

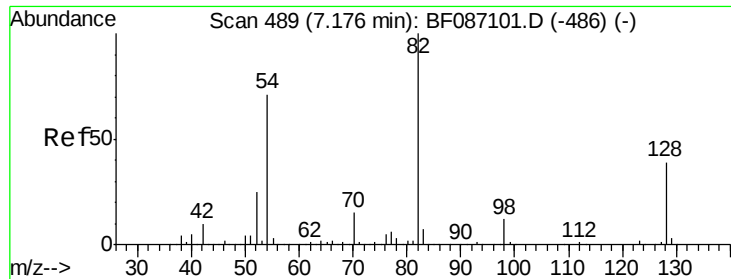


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

Tgt Ion: 136 Resp: 558682
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 14.4 5.0 7.4#
68 7.1 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

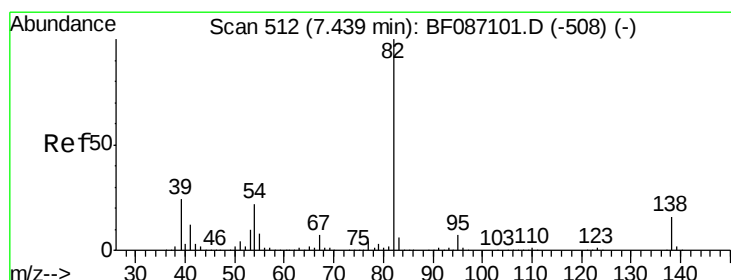
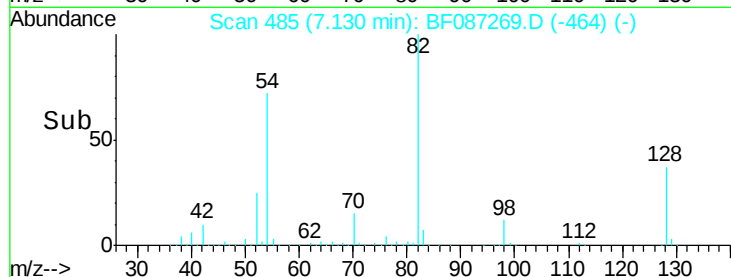
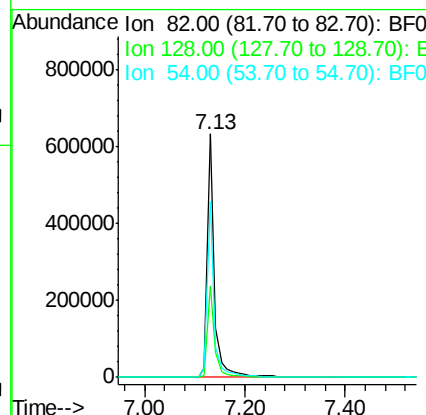
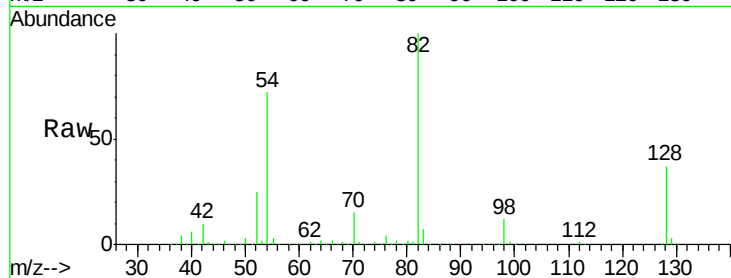




#23
 Nitrobenzene-d5
 Concen: 55.97 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.06 min
 Lab File: BF087269.D
 Acq: 21 May 2016 13:29

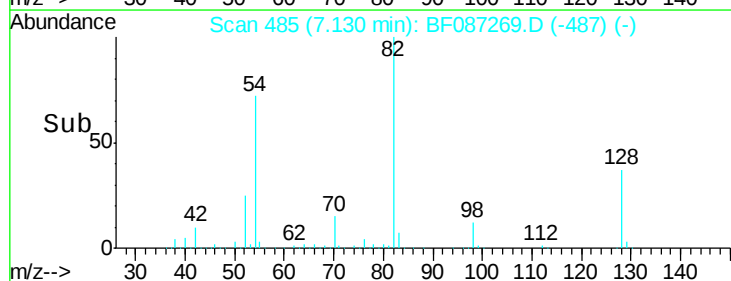
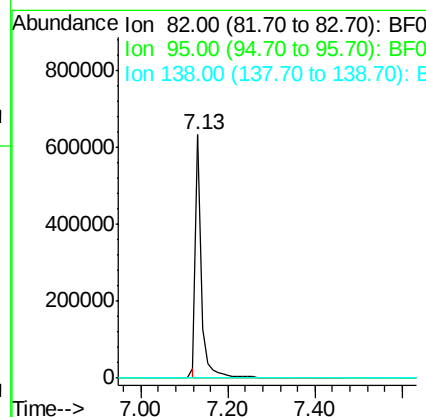
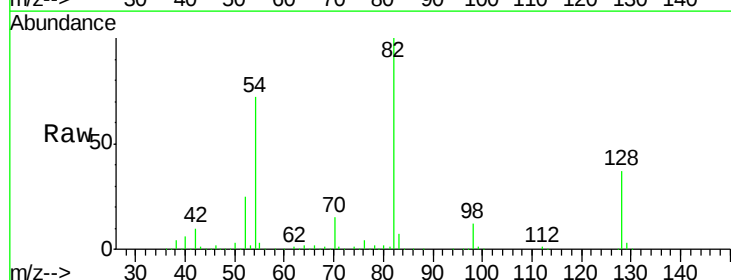
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

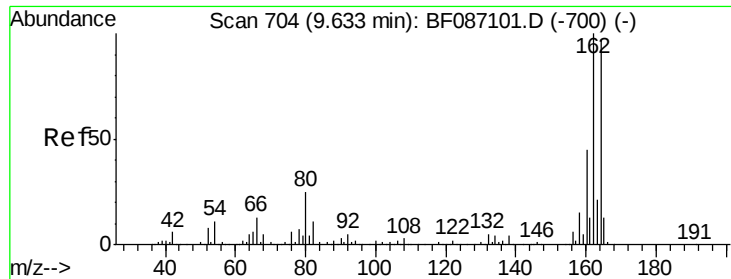
Tgt Ion: 82 Resp: 627460
 Ion Ratio Lower Upper
 82 100
 128 37.4 40.6 61.0#
 54 72.1 38.1 57.1#



#25
 Isophorone
 Concen: 29.49 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.32 min
 Lab File: BF087269.D
 Acq: 21 May 2016 13:29

Tgt Ion: 82 Resp: 605079
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#

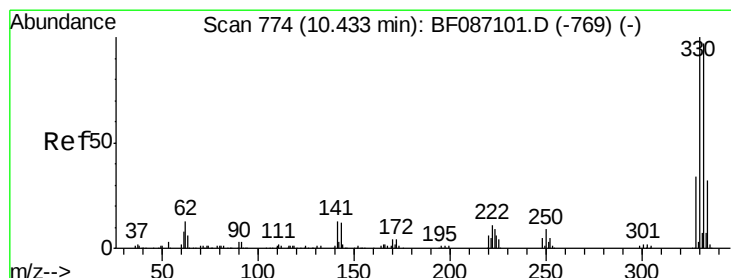
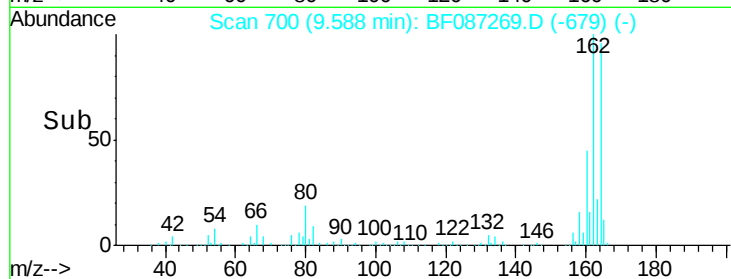
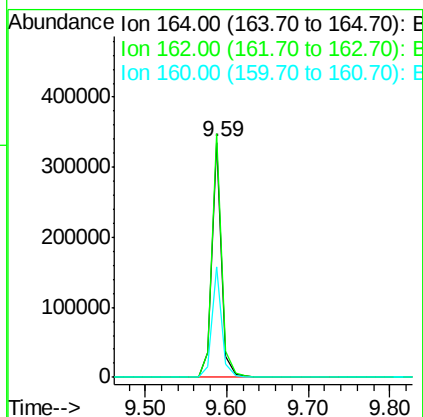
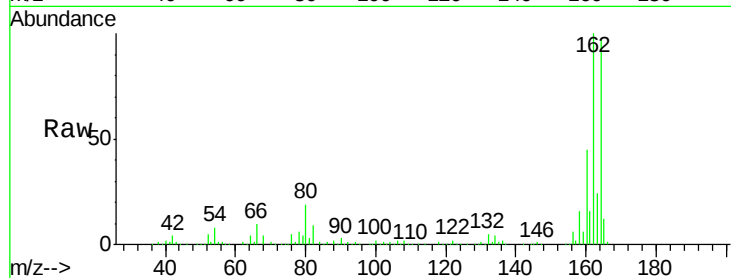




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

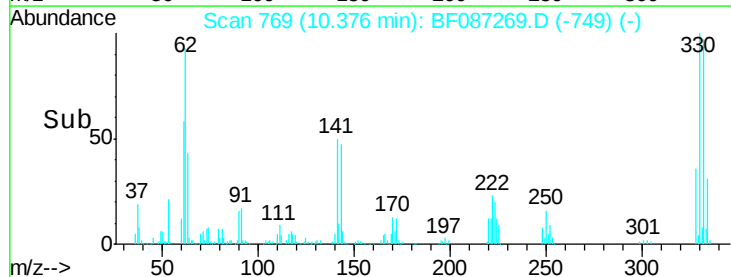
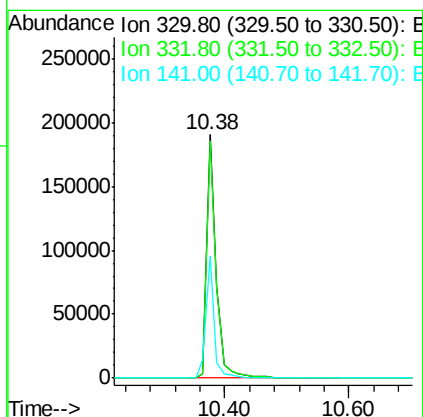
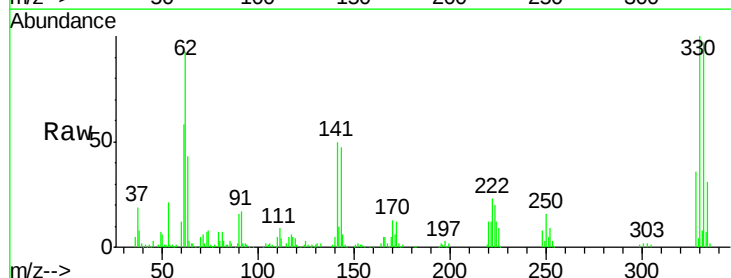
Instrument :
BNA_F
ClientSampleId :
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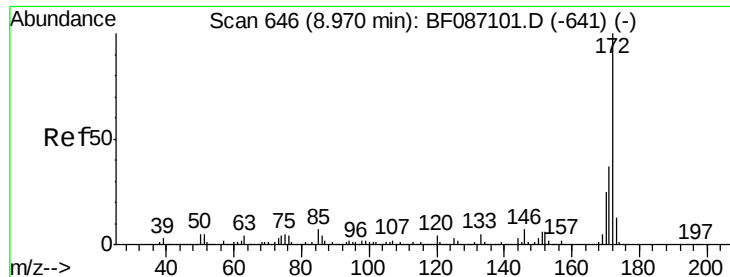
Tgt Ion:164 Resp: 283116
Ion Ratio Lower Upper
164 100
162 103.6 82.8 124.2
160 46.9 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 64.49 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.07 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

Tgt Ion:330 Resp: 201762
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.4
141 45.0 31.2 46.8





#44

2-Fluorobiphenyl

Concen: 67.53 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.06 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

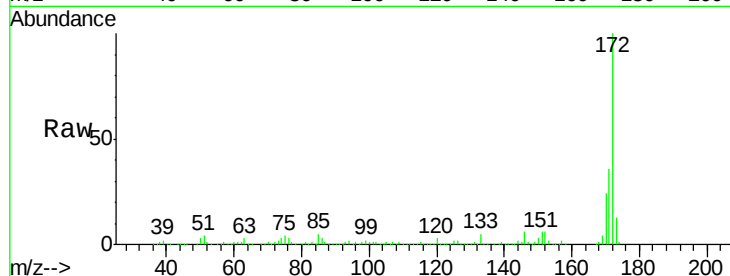
Tgt Ion:172 Resp: 1154374

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

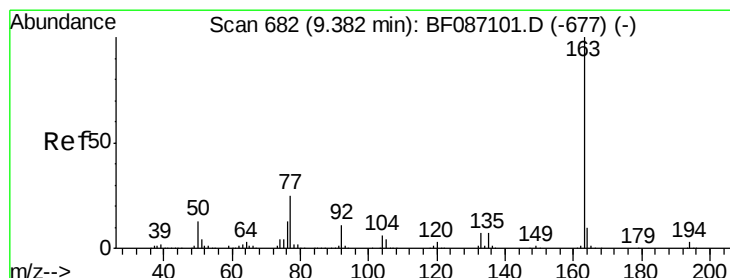
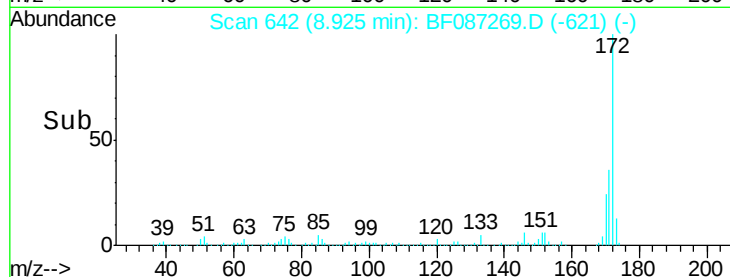
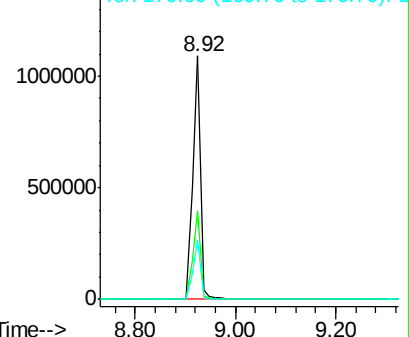
170 24.4 19.8 29.8



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



#49

Dimethylphthalate

Concen: 9.07 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

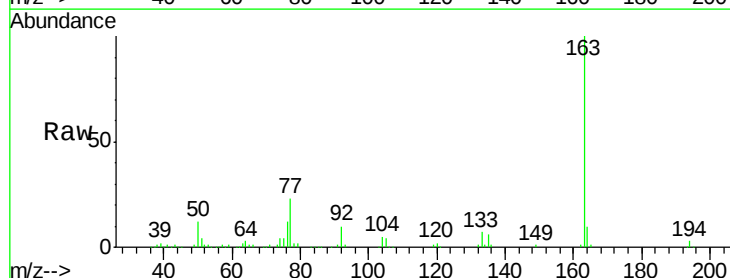
Tgt Ion:163 Resp: 195781

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

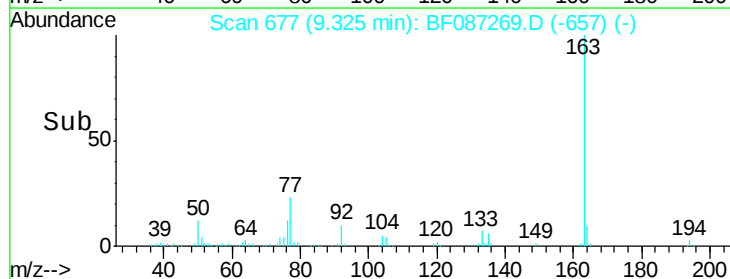
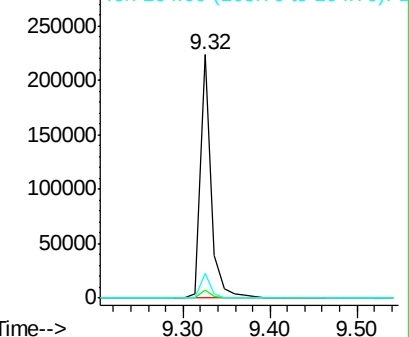
164 10.3 8.2 12.4

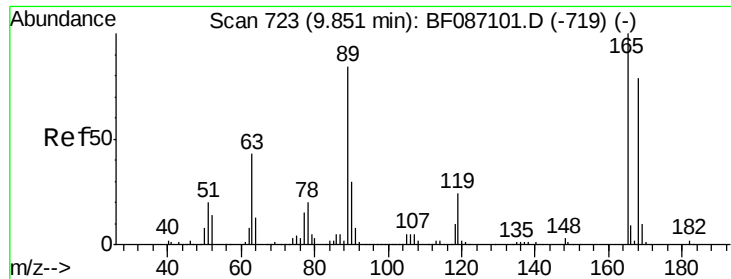


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.90 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.27 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tgt Ion:165 Resp: 35442

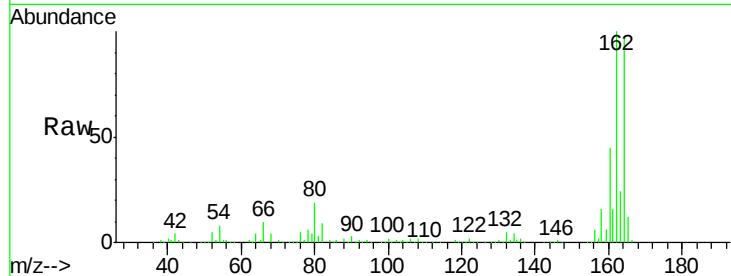
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 1.8 70.0 105.0#

182 0.0 1.8 2.6#

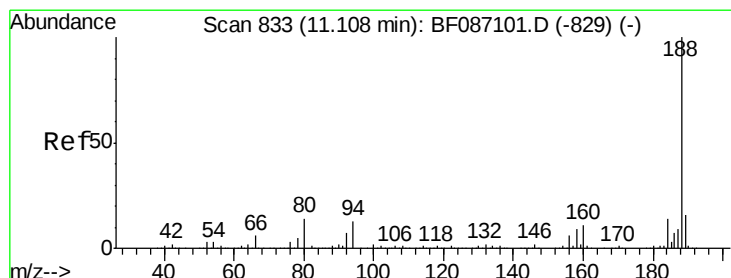
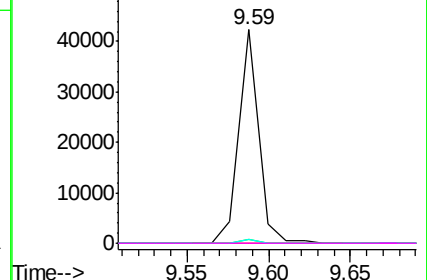
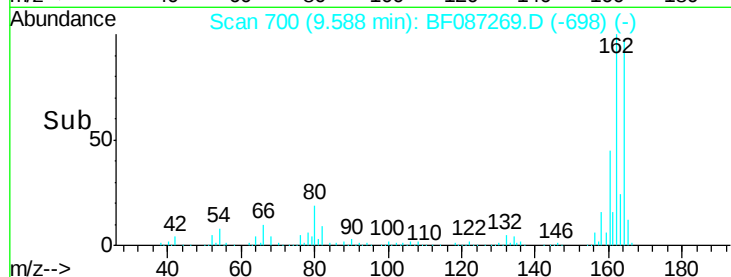


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

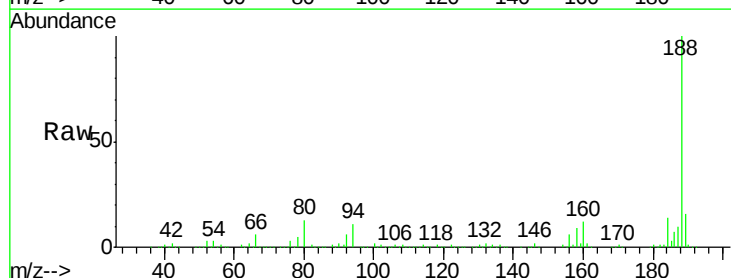
Tgt Ion:188 Resp: 492111

Ion Ratio Lower Upper

188 100

94 11.3 6.8 10.2#

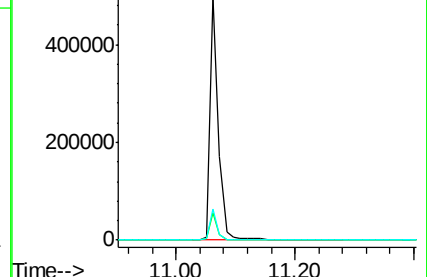
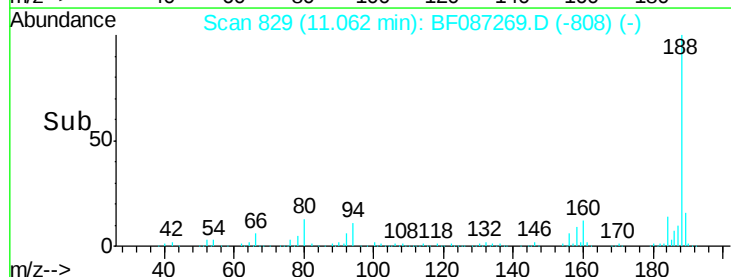
80 12.6 7.1 10.7#

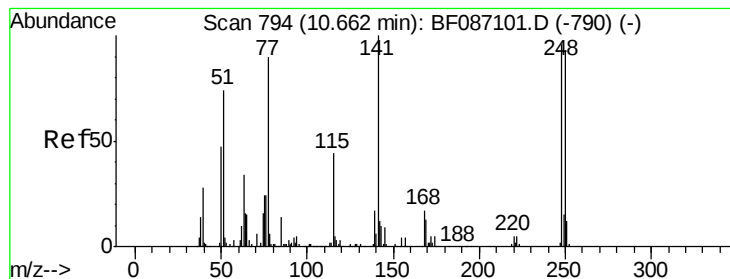


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.79 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.30 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

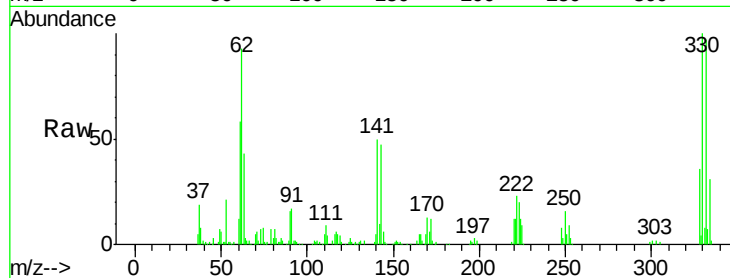
Tgt Ion:248 Resp: 14097

Ion Ratio Lower Upper

248 100

250 199.5 78.6 117.8#

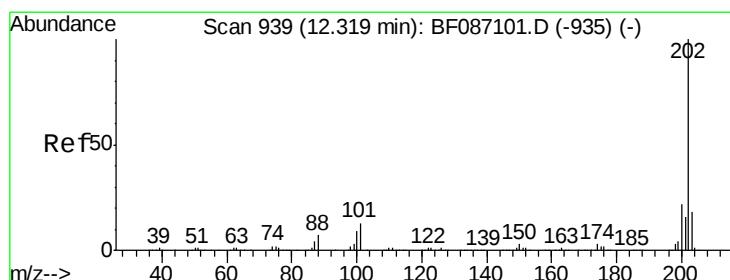
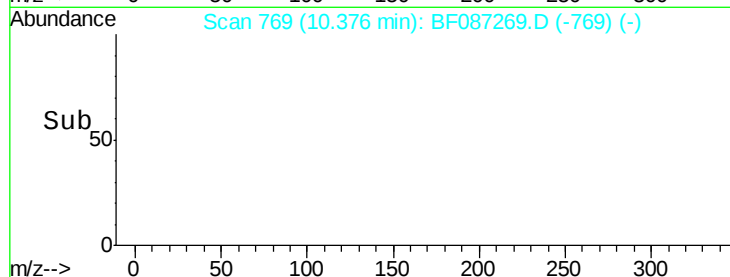
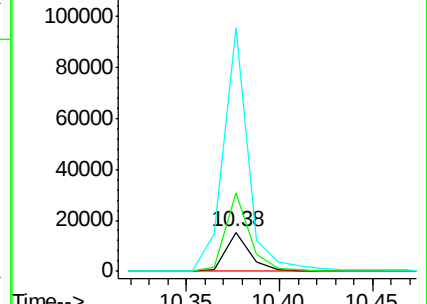
141 620.9 76.0 114.0#



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



#74

Fluoranthene

Concen: 2.45 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.06 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

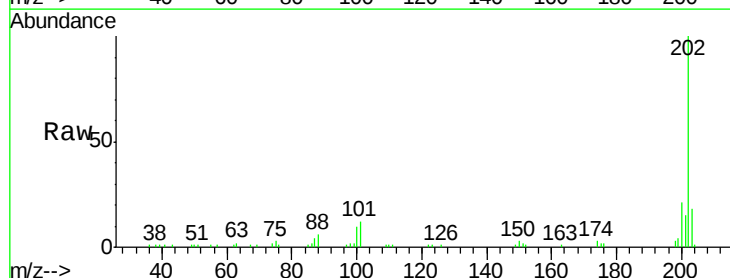
Tgt Ion:202 Resp: 65551

Ion Ratio Lower Upper

202 100

101 12.4 0.0 35.4

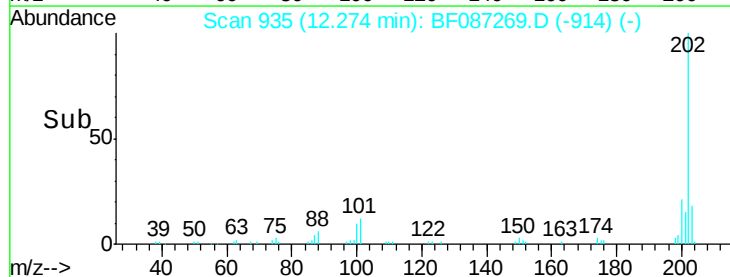
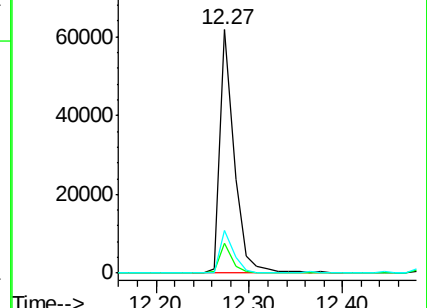
203 17.5 0.0 38.1

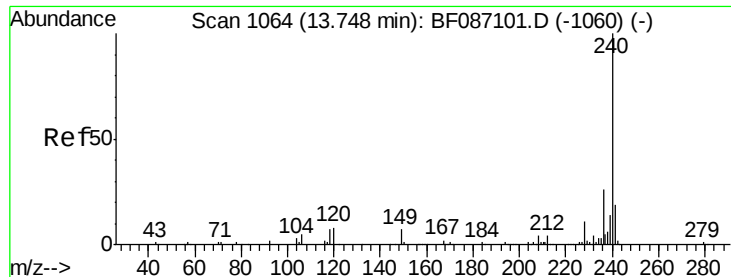


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

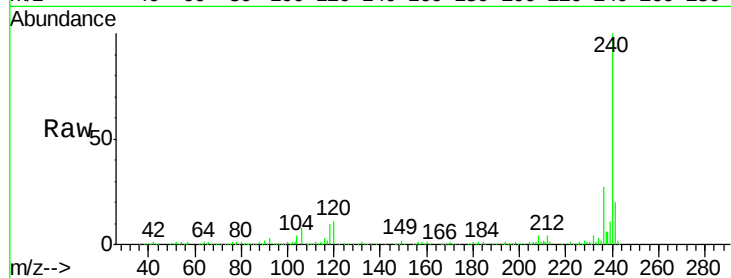
Tgt Ion:240 Resp: 331835

Ion Ratio Lower Upper

240 100

120 11.3 11.2 16.8

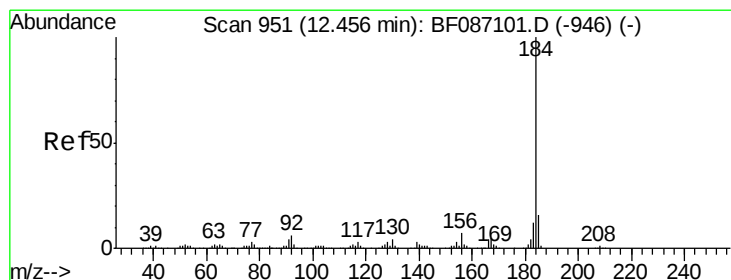
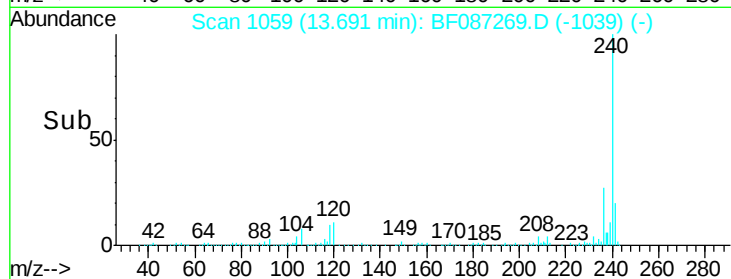
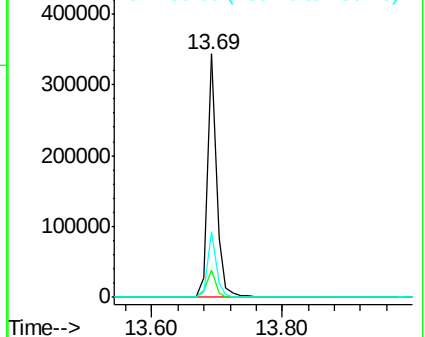
236 26.8 21.2 31.8



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: 2.20 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

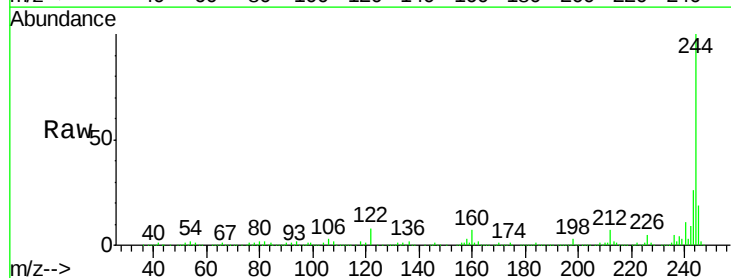
Tgt Ion:184 Resp: 15467

Ion Ratio Lower Upper

184 100

185 18.6 13.6 20.4

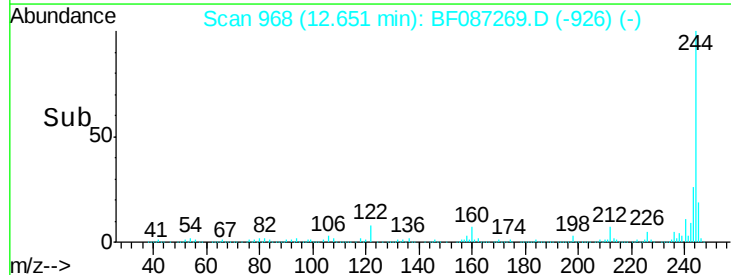
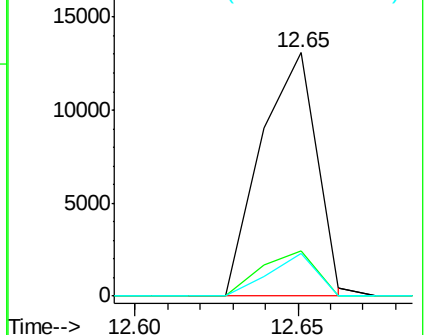
183 17.3 9.8 14.6#

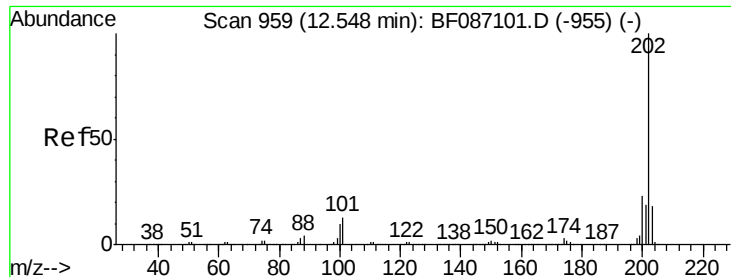


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 2.22 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.06 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

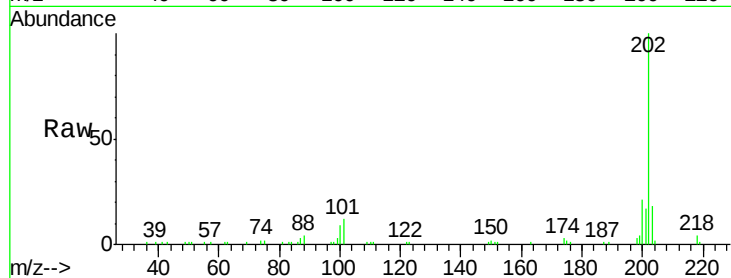
Tgt Ion:202 Resp: 53155

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

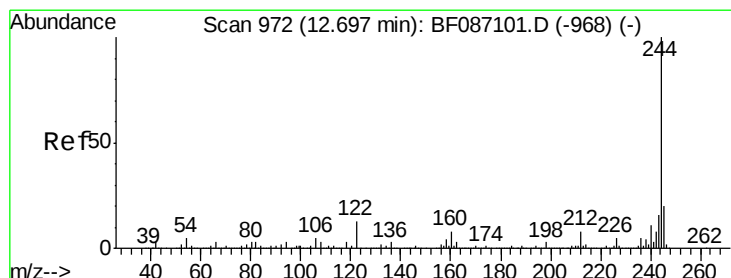
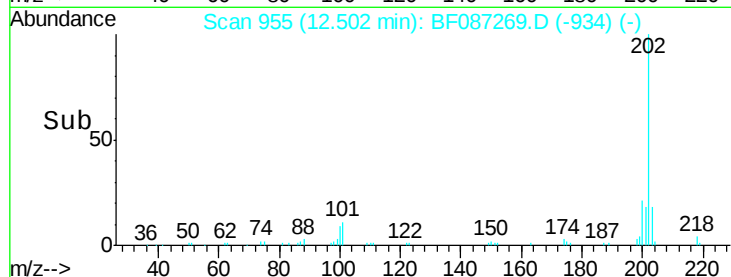
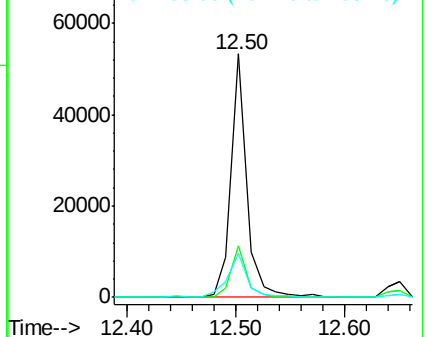
203 18.0 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.20 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087269.D

Acq: 21 May 2016 13:29

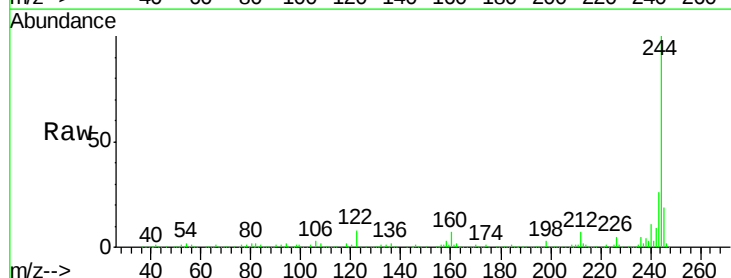
Tgt Ion:244 Resp: 971043

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

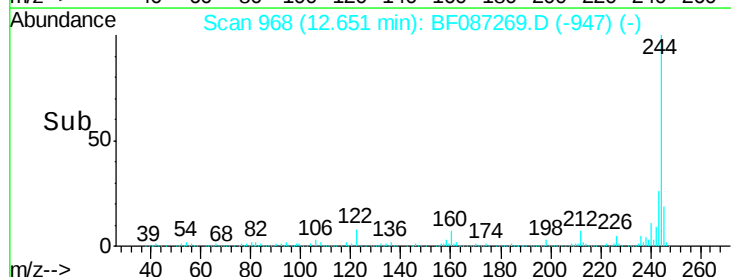
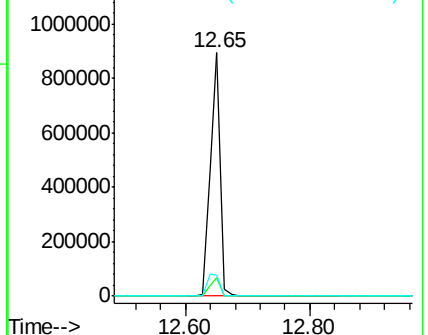
122 8.4 12.0 18.0#

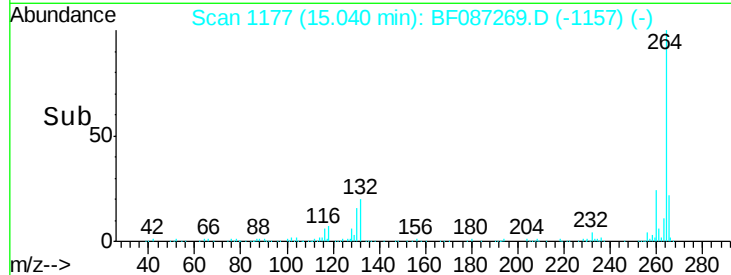
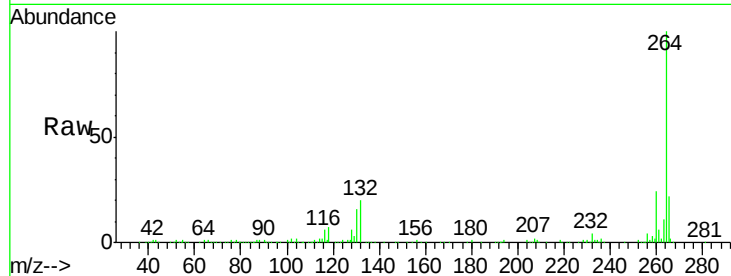
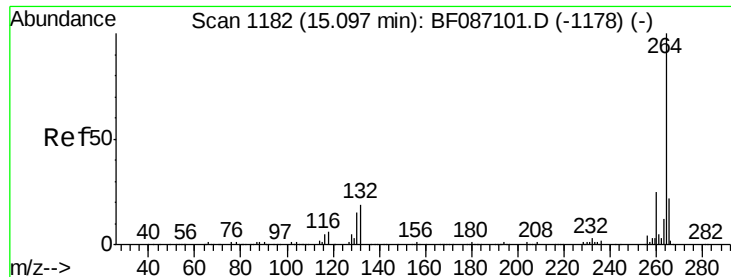


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF087269.D
Acq: 21 May 2016 13:29

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.7	17.3	25.9

