

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087249.D
 Acq On : 21 May 2016 3:17
 Operator : UM/SJ
 Sample : H3144-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: May 21 04:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 00:19:36 2016
 Response via : Initial Calibration

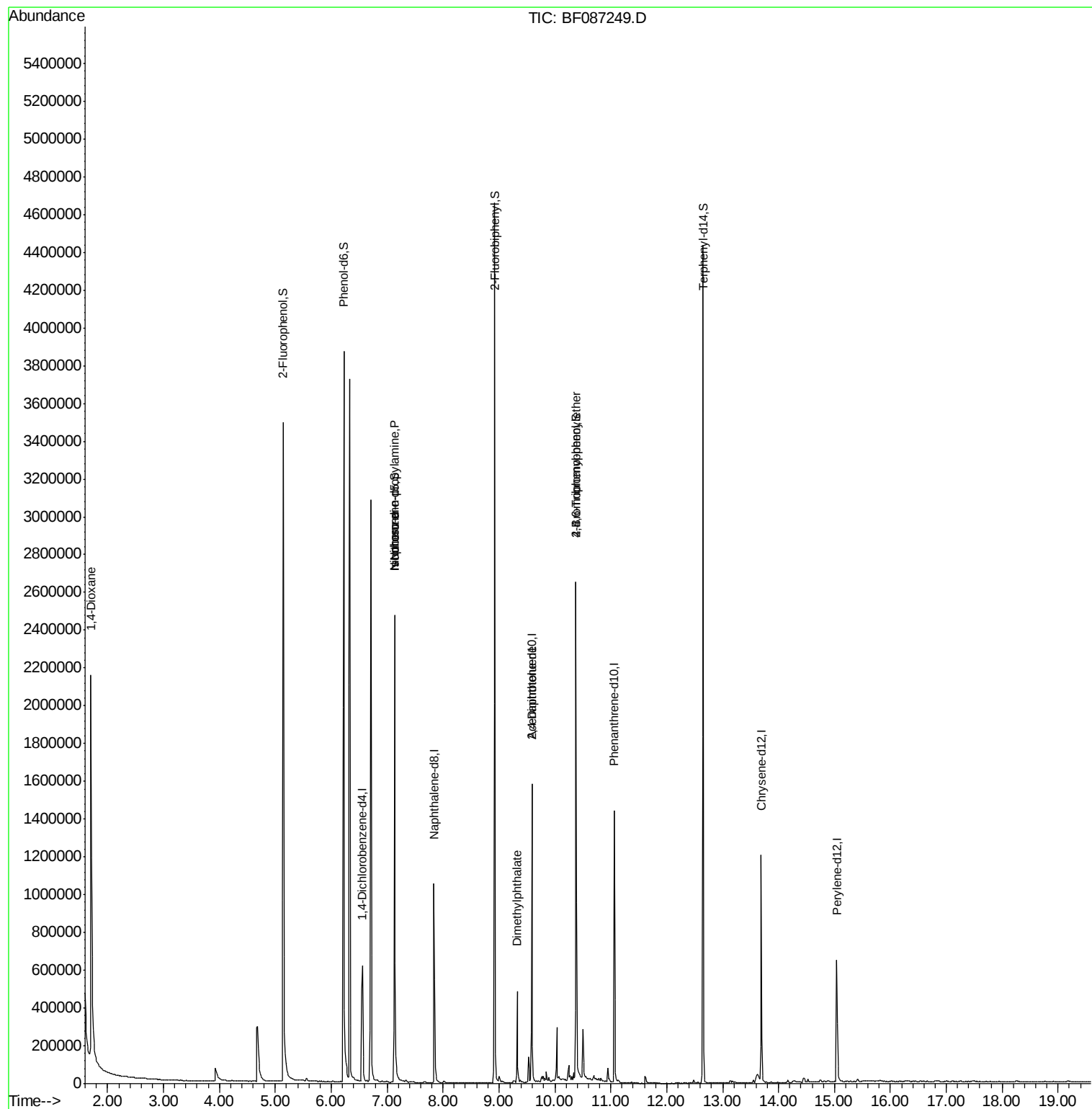
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	126684	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	562604	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	286359	20.00	ng	0.00
63) Phenanthrene-d10	11.06	188	529934	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	414950	20.00	ng	-0.01
86) Perylene-d12	15.04	264	283303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	975002	129.36	ng	0.01
7) Phenol-d6	6.23	99	1398636	138.36	ng	0.00
23) Nitrobenzene-d5	7.13	82	807735	71.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	321635	101.64	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	1504412	87.01	ng	0.00
78) Terphenyl-d14	12.65	244	1400106	76.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.70	88	71536	18.45	ng	# 22
19) n-Nitroso-di-n-propylamine	7.13	70	113991	14.83	ng	# 73
25) Isophorone	7.13	82	747436	36.17	ng	# 68
49) Dimethylphthalate	9.32	163	174402	7.98	ng	99
56) 2,4-Dinitrotoluene	9.59	165	36623	6.03	ng	# 16
66) 4-Bromophenyl-phenylether	10.38	248	21194	3.89	ng	# 1

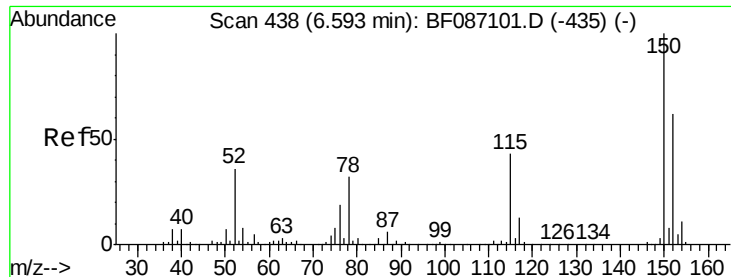
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.00 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)

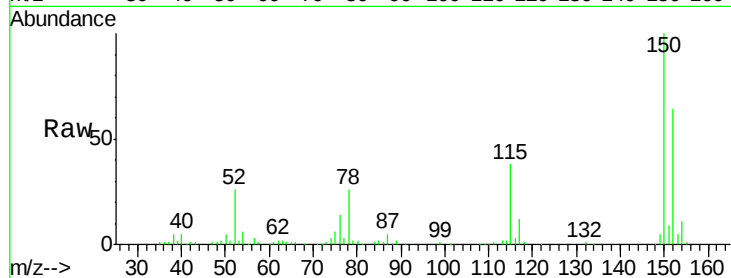
Tgt Ion: 152 Resp: 126684

Ion Ratio Lower Upper

152 100

150 156.8 125.8 188.6

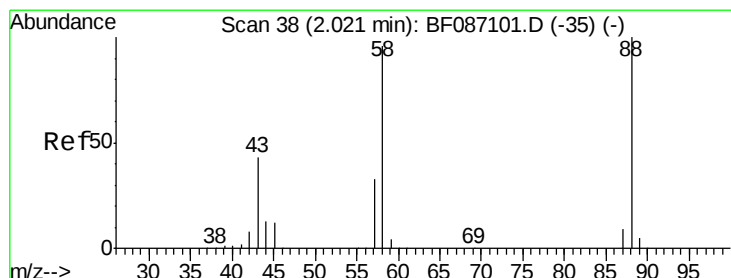
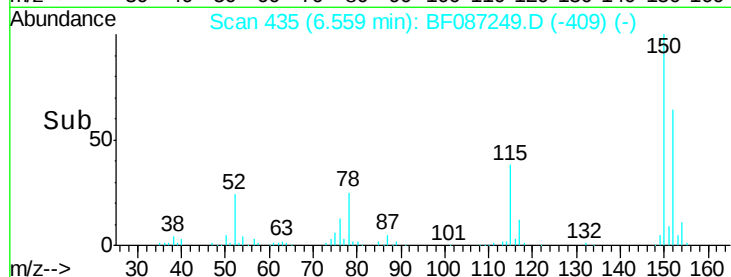
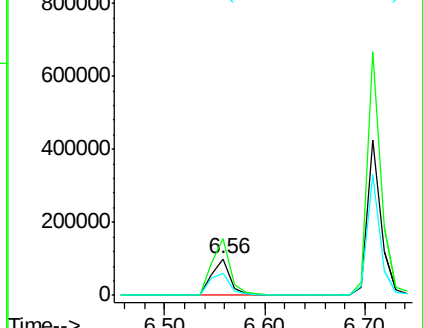
115 59.5 51.5 77.3



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



#2

1,4-Dioxane

Concen: 18.45 ng

RT: 1.70 min Scan# 10

Delta R.T. -0.26 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

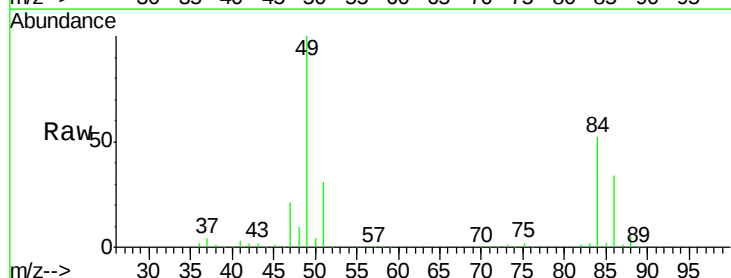
Tgt Ion: 88 Resp: 71536

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

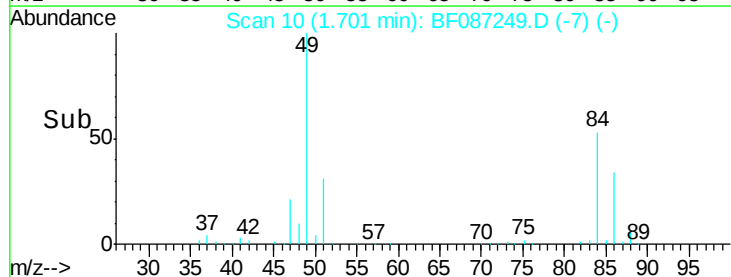
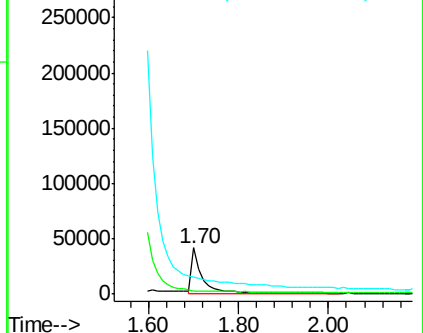
43 0.0 21.8 32.6#

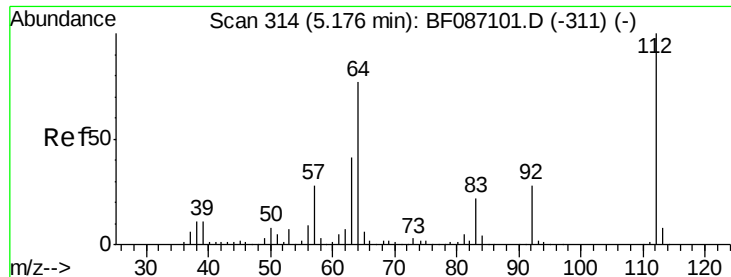


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

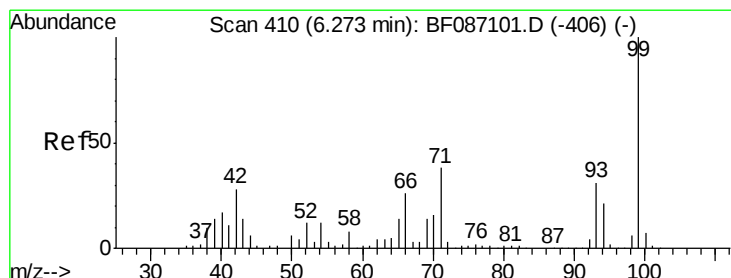
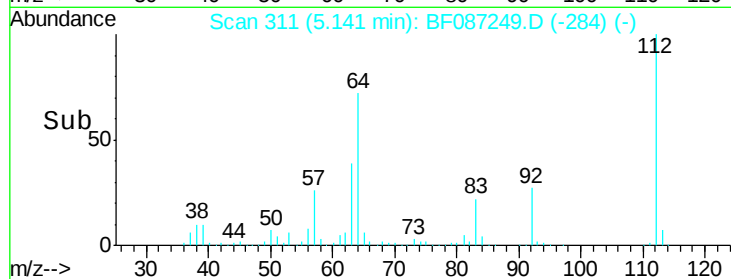
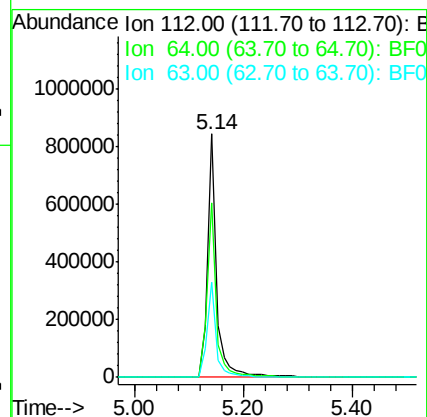
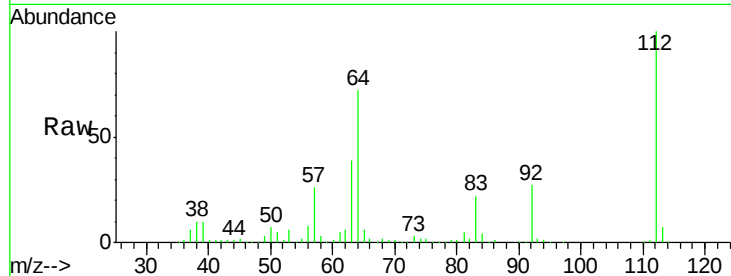




#5
 2-Fluorophenol
 Concen: 129.36 ng
 RT: 5.14 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

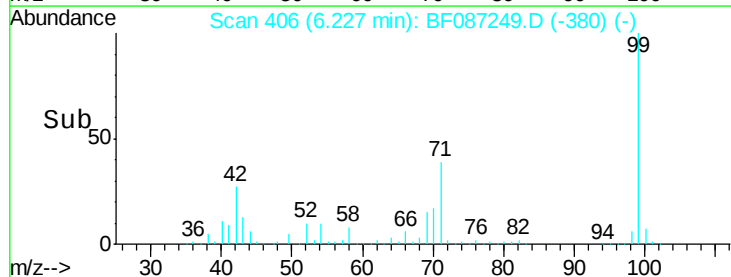
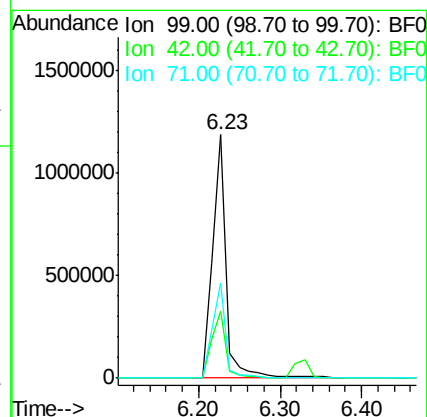
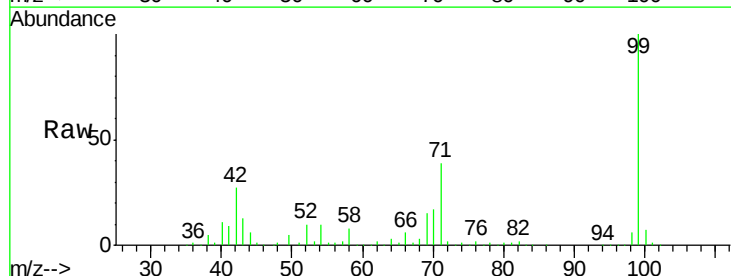
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)

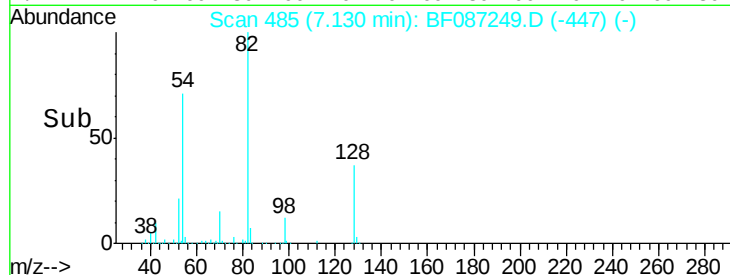
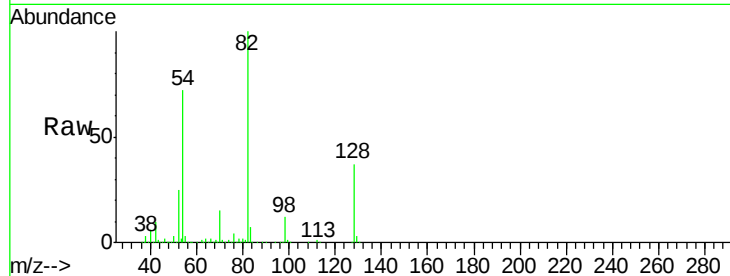
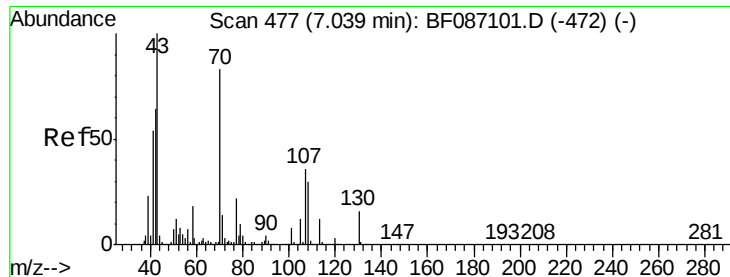
Tgt Ion: 112 Resp: 975002
 Ion Ratio Lower Upper
 112 100
 64 71.8 52.1 78.1
 63 39.1 25.7 38.5#



#7
 Phenol-d6
 Concen: 138.36 ng
 RT: 6.23 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

Tgt Ion: 99 Resp: 1398636
 Ion Ratio Lower Upper
 99 100
 42 27.3 13.6 20.4#
 71 39.1 24.6 36.8#

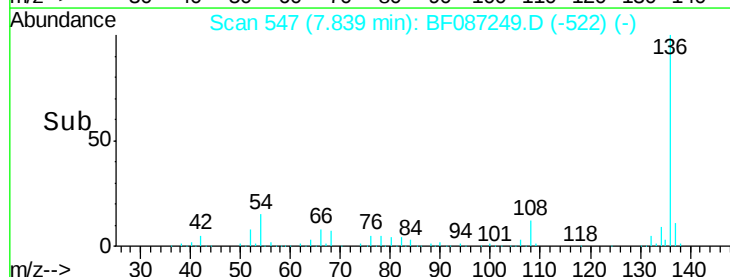
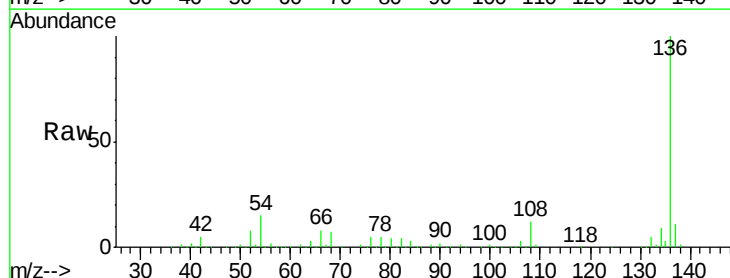
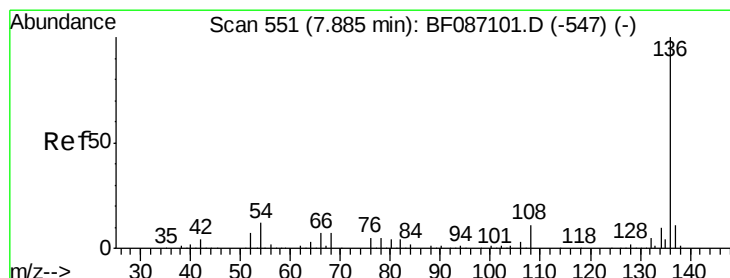
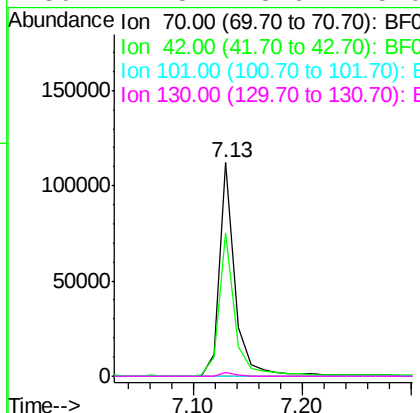




#19
n-Nitroso-di-n-propylamine
Concen: 14.83 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.14 min
Lab File: BF087249.D
Acq: 21 May 2016 3:17

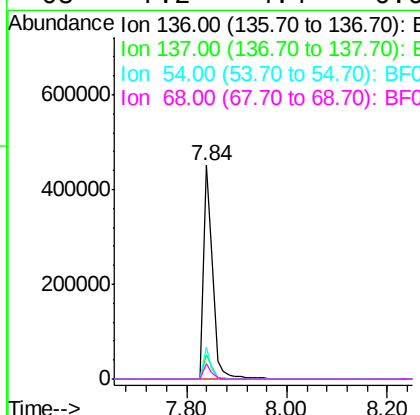
Instrument :
BNA_F
ClientSampleId :
7-AB-AC(0-2)

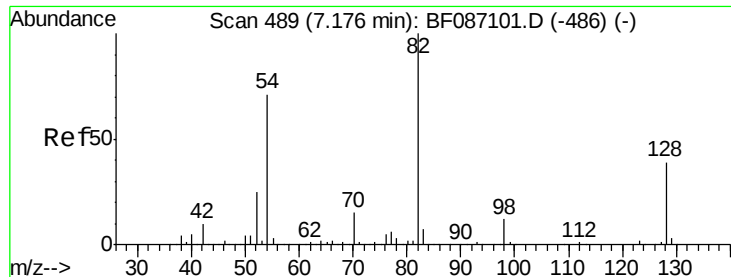
Tgt Ion: 70 Resp: 113991
Ion Ratio Lower Upper
70 100
42 67.4 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF087249.D
Acq: 21 May 2016 3:17

Tgt Ion: 136 Resp: 562604
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 14.7 5.0 7.4#
68 7.2 4.4 6.6#

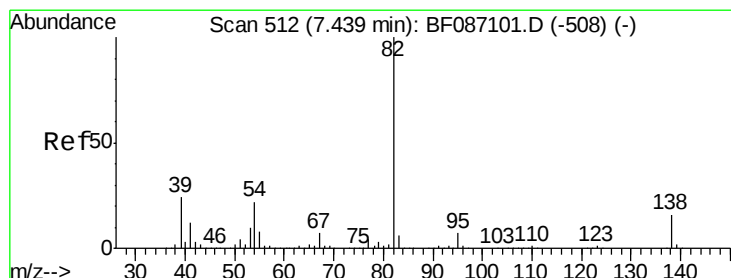
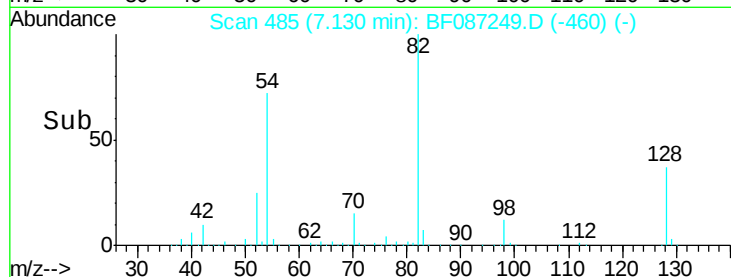
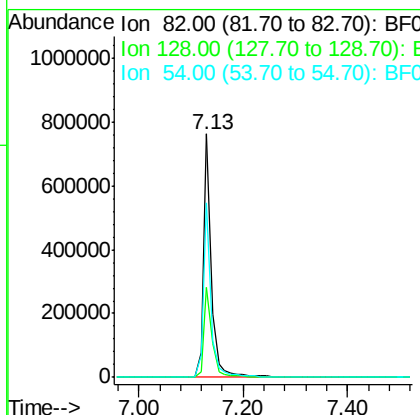
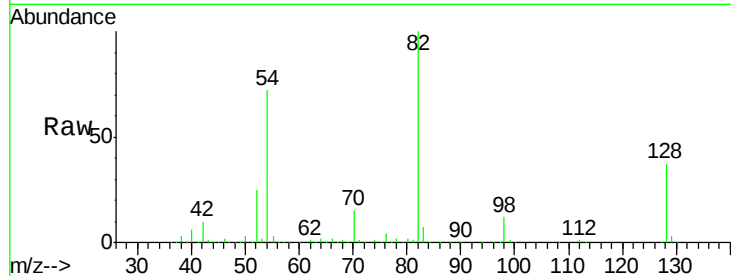




#23
 Nitrobenzene-d5
 Concen: 71.55 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

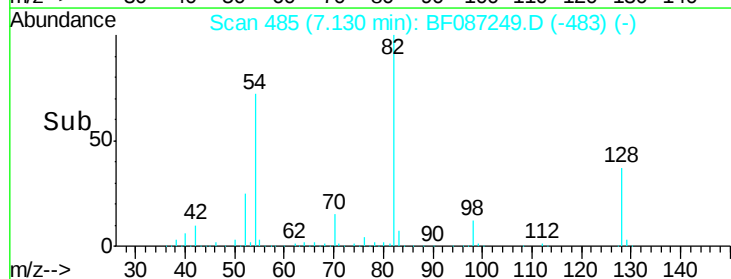
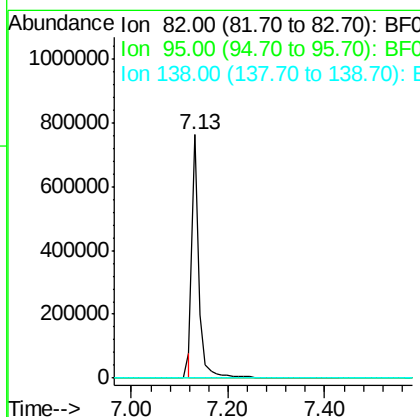
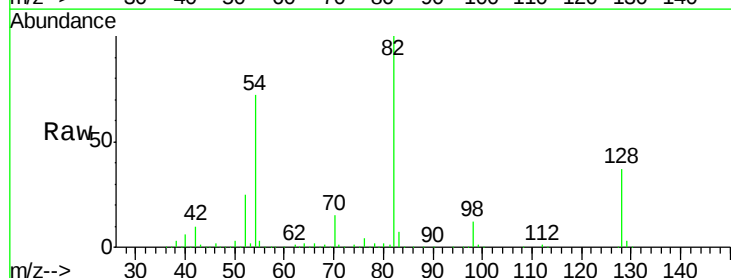
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)

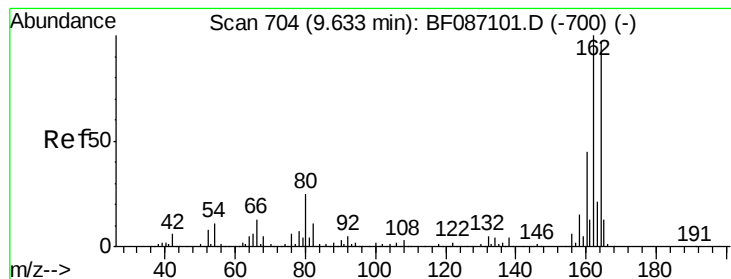
Tgt Ion: 82 Resp: 807735
 Ion Ratio Lower Upper
 82 100
 128 37.1 40.6 61.0#
 54 71.7 38.1 57.1#



#25
 Isophorone
 Concen: 36.17 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.27 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

Tgt Ion: 82 Resp: 747436
 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. -0.00 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)

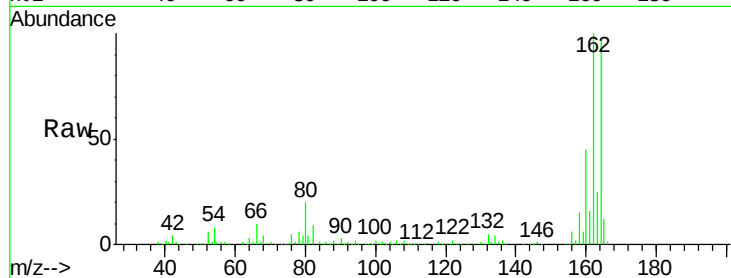
Tgt Ion:164 Resp: 286359

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

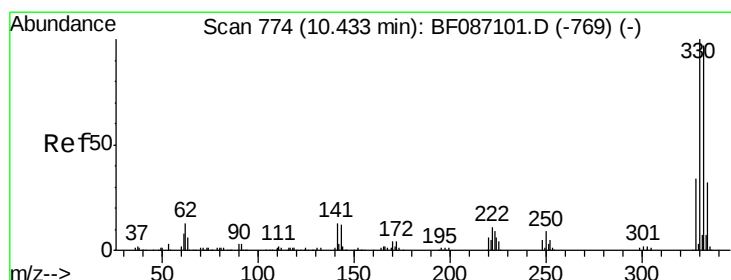
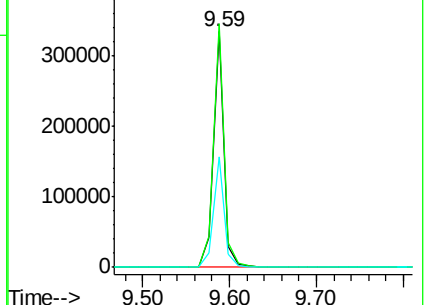
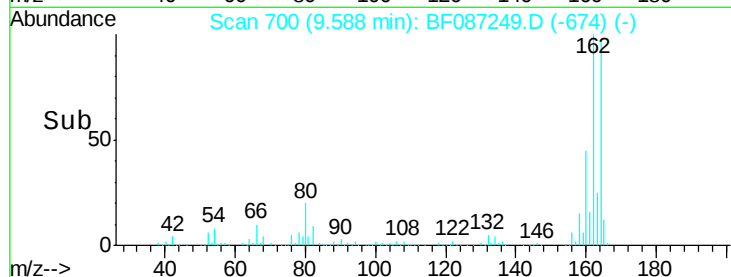
160 46.8 36.9 55.3



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: 101.64 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

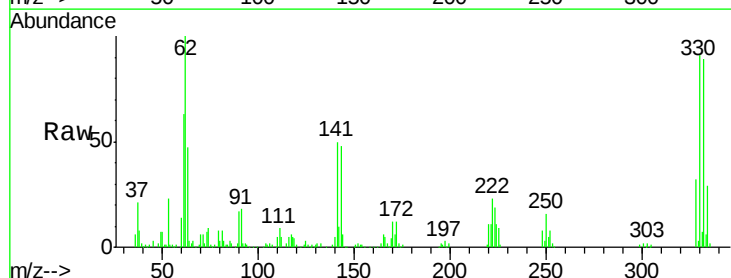
Tgt Ion:330 Resp: 321635

Ion Ratio Lower Upper

330 100

332 98.0 79.0 118.4

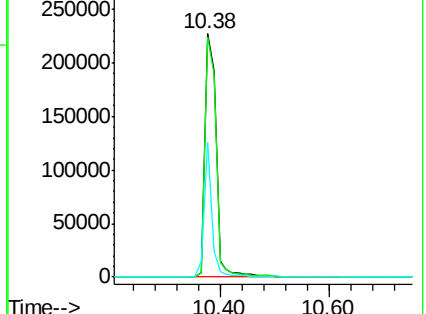
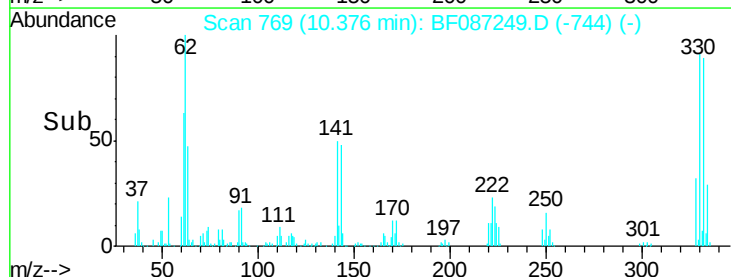
141 38.3 31.2 46.8

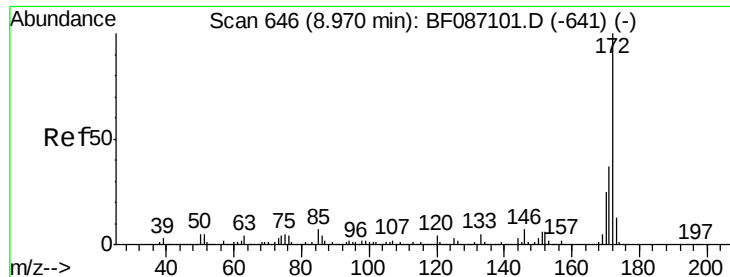


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 87.01 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

Instrument :

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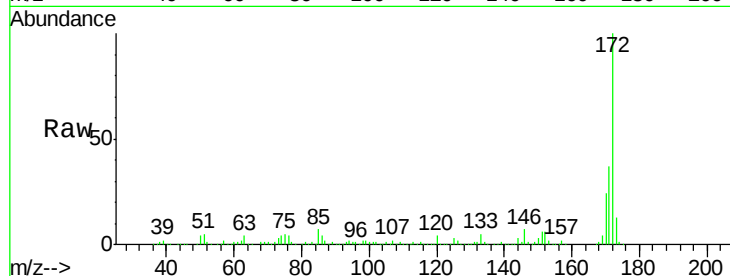
Tgt Ion:172 Resp: 1504412

Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.6

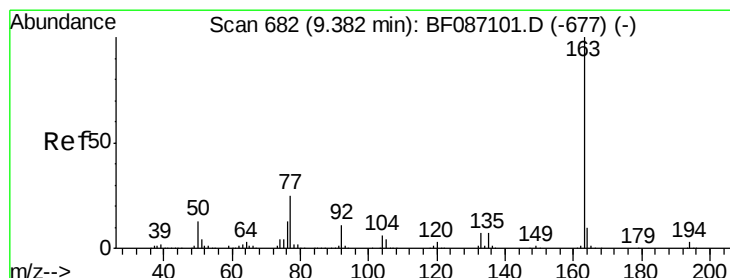
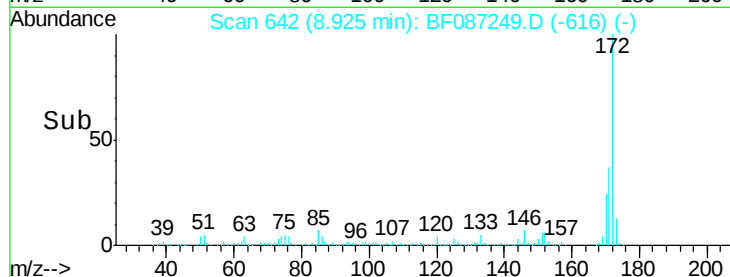
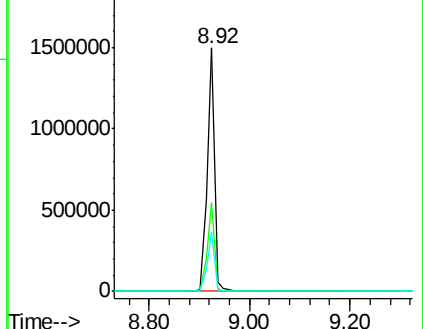
170 24.5 19.8 29.8



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: 7.98 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

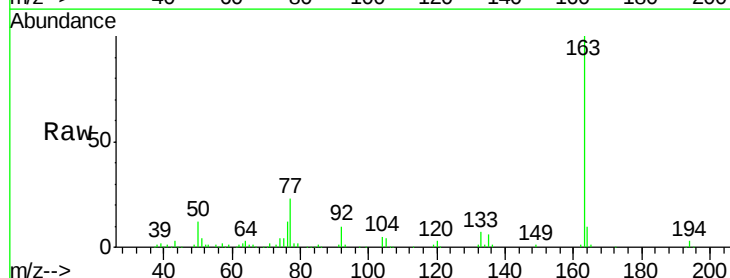
Tgt Ion:163 Resp: 174402

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

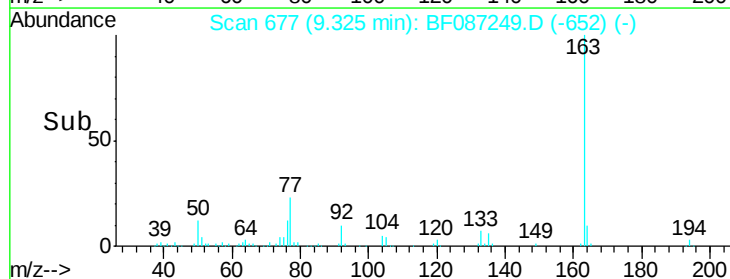
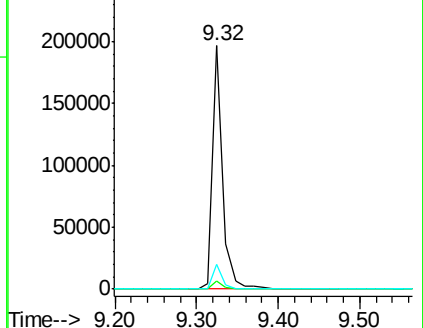
164 10.0 8.2 12.4

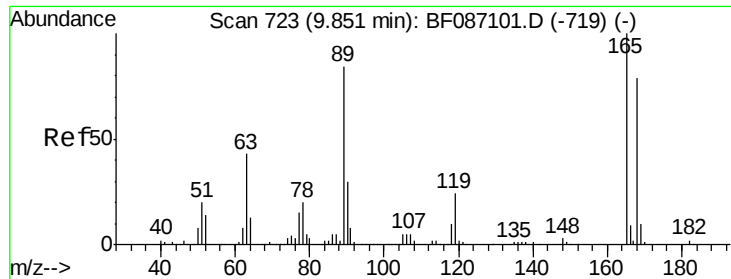


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

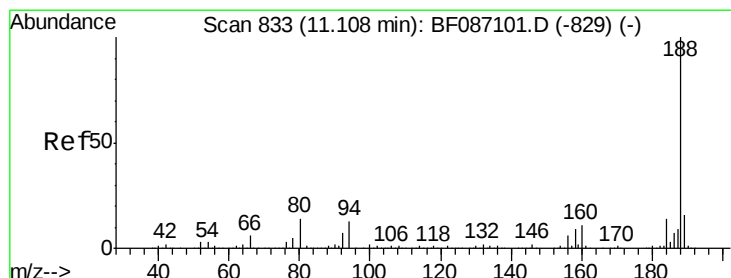
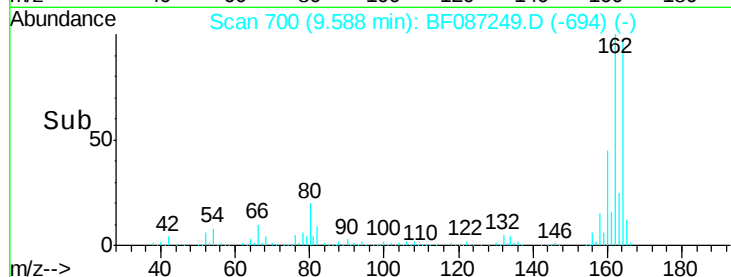
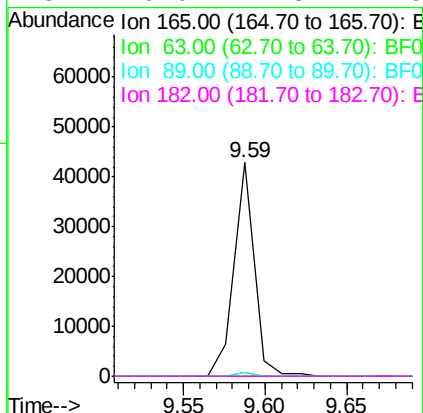
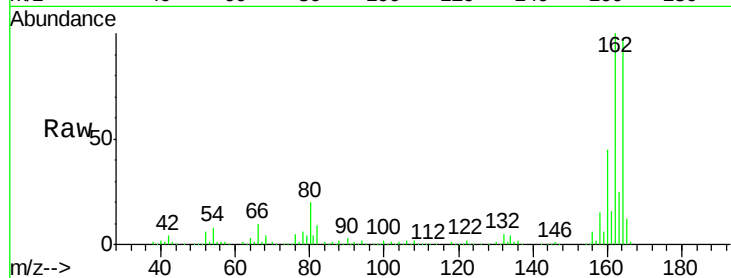




#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.23 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

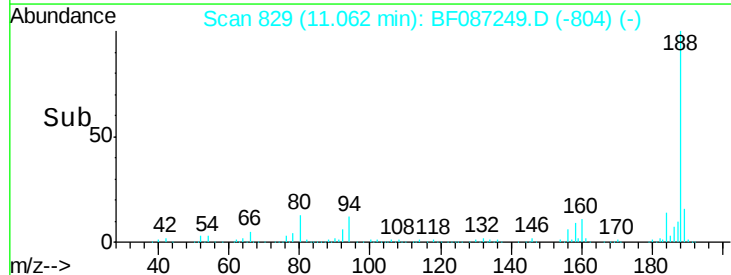
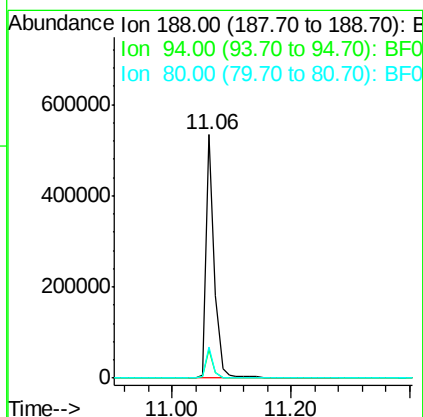
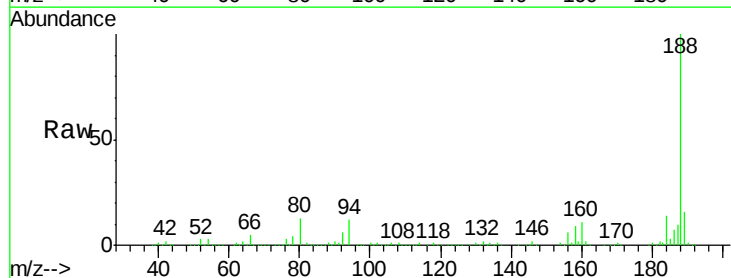
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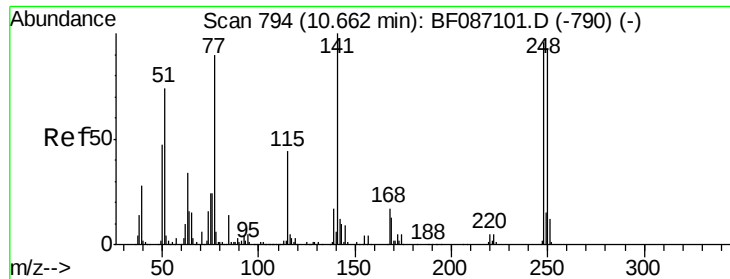
Tgt Ion:165 Resp: 36623
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.3 66.5#
 89 1.5 70.0 105.0#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

Tgt Ion:188 Resp: 529934
 Ion Ratio Lower Upper
 188 100
 94 11.5 6.8 10.2#
 80 13.0 7.1 10.7#

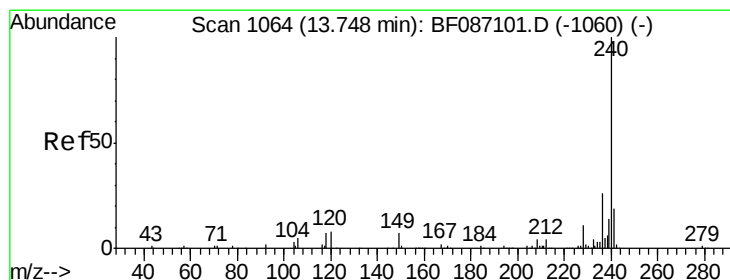
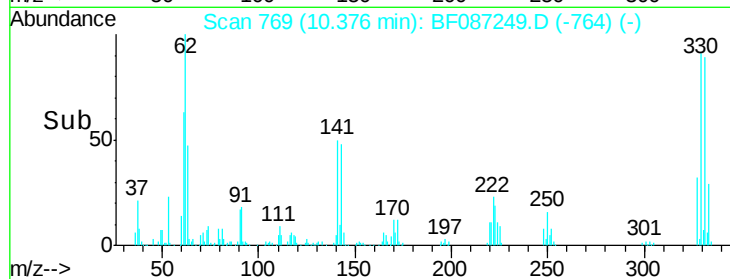
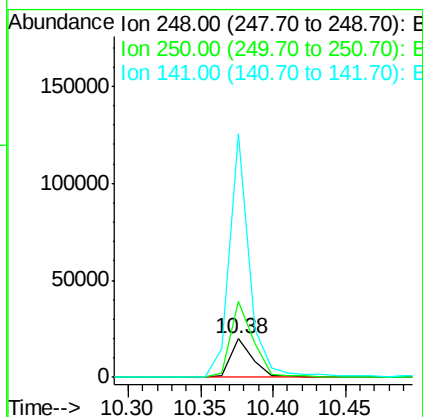
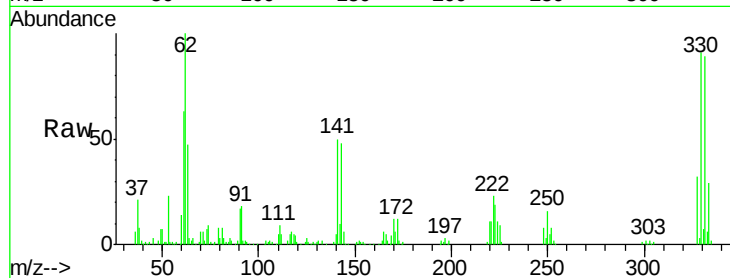




#66
 4-Bromophenyl-phenylether
 Concen: 3.89 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.24 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

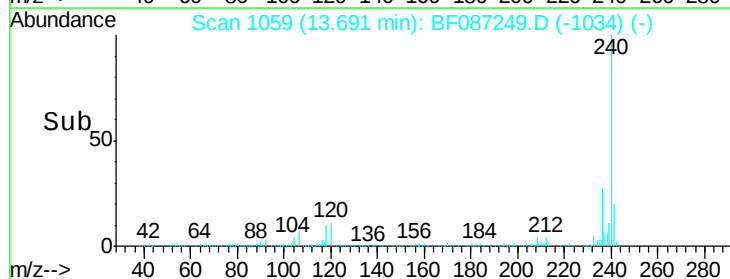
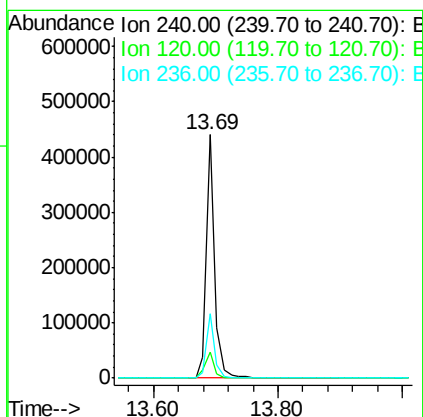
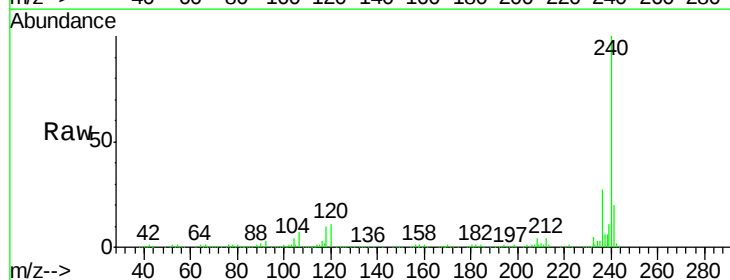
Instrument :
 BNA_F
 ClientSampleId :
 7-AB-AC(0-2)

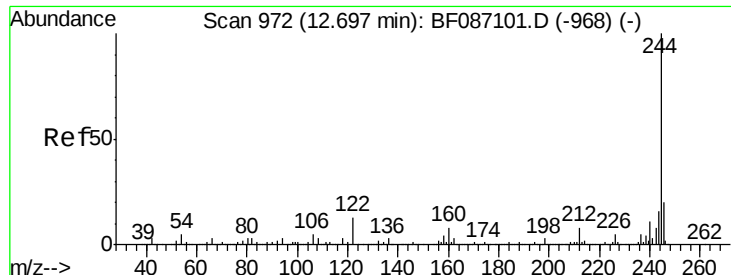
Tgt Ion:248 Resp: 21194
 Ion Ratio Lower Upper
 248 100
 250 197.5 78.6 117.8#
 141 632.5 76.0 114.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: BF087249.D
 Acq: 21 May 2016 3:17

Tgt Ion:240 Resp: 414950
 Ion Ratio Lower Upper
 240 100
 120 10.9 11.2 16.8#
 236 26.6 21.2 31.8





#78

Terphenyl-d14

Concen: 76.33 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

Instrument :

BNA_F

ClientSampleId :

7-AB-AC(0-2)

Tgt Ion:244 Resp: 1400106

Ion Ratio Lower Upper

244 100

212 7.6

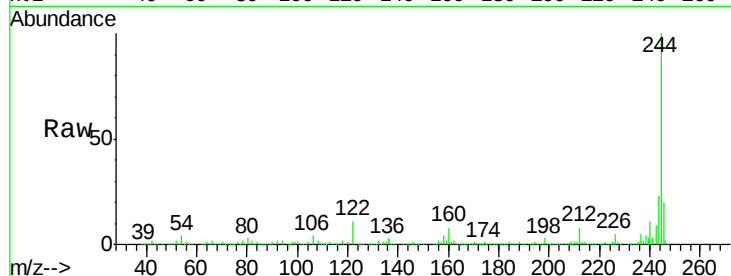
6.2

9.2

122 11.2

12.0

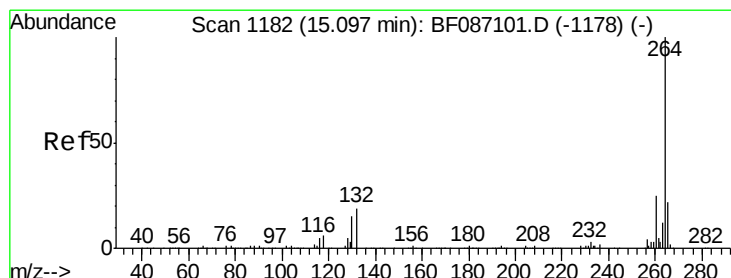
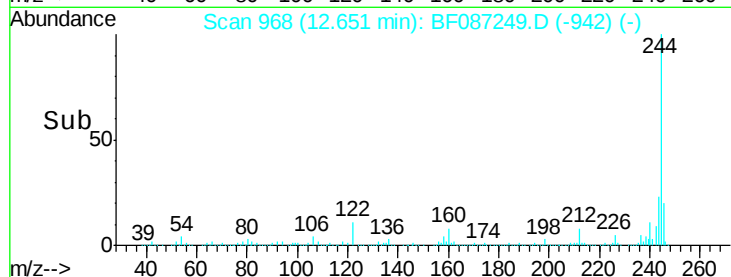
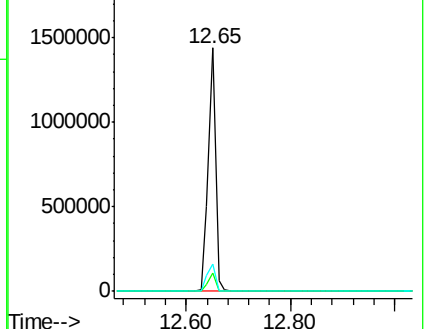
18.0#



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. -0.00 min

Lab File: BF087249.D

Acq: 21 May 2016 3:17

Tgt Ion:264 Resp: 283303

Ion Ratio Lower Upper

264 100

260 24.9

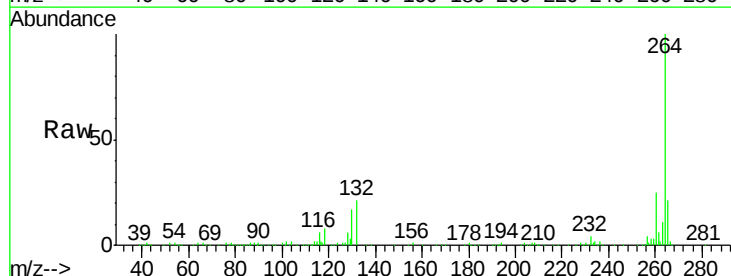
19.5

29.3

265 21.1

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

