

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087233.D
 Acq On : 20 May 2016 19:27
 Operator : UM/SJ
 Sample : PB90764BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90764BL

Quant Time: May 20 23:23:45 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

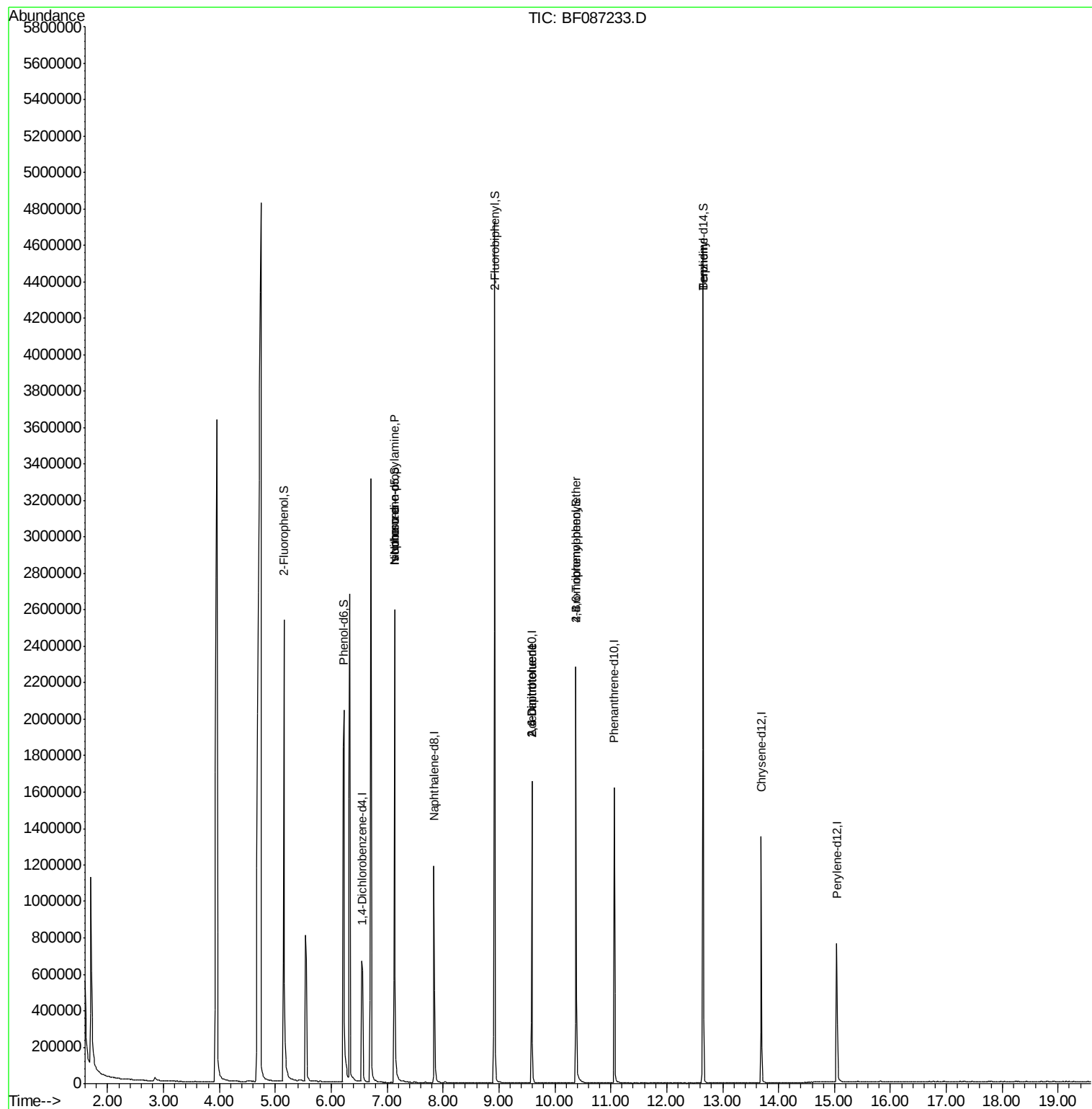
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	139056	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	599054	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	314520	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	592580	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	468469	20.00	ng	-0.07
86) Perylene-d12	15.04	264	330347	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	735056	88.85	ng	-0.05
7) Phenol-d6	6.23	99	1030490	92.87	ng	-0.06
23) Nitrobenzene-d5	7.13	82	876752	72.94	ng	-0.06
41) 2,4,6-Tribromophenol	10.38	330	235459	67.75	ng	-0.07
44) 2-Fluorobiphenyl	8.92	172	1652945	87.04	ng	-0.06
78) Terphenyl-d14	12.65	244	1456855	70.35	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.22	77	1346	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.13	70	122928	14.57 ng	#	72
25) Isophorone	7.13	82	753427	34.24 ng	#	68
50) 2,6-Dinitrotoluene	9.59	165	39338	7.55 ng	#	21
56) 2,4-Dinitrotoluene	9.59	165	39338	5.90 ng	#	16
66) 4-Bromophenyl-phenylether	10.38	248	16476	2.70 ng	#	1
76) Benzydine	12.65	184	22923	2.26 ng	#	95

(#) = 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. -0.05 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

Instrument :

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ClientSampleID :

PB90764BL

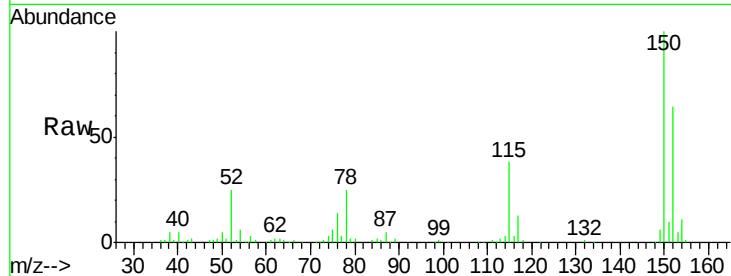
Tgt Ion:152 Resp: 139056

Ion Ratio Lower Upper

152 100

150 155.0 125.8 188.6

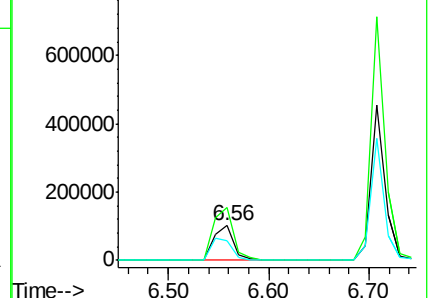
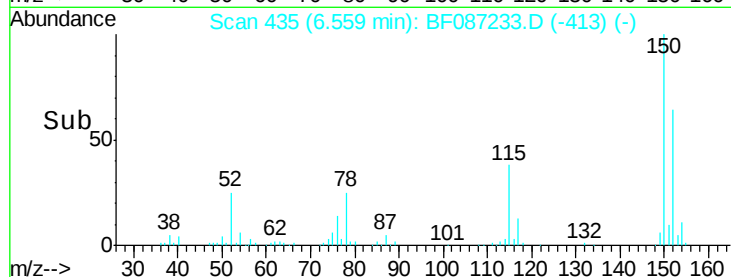
115 58.2 51.5 77.3



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: 88.85 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

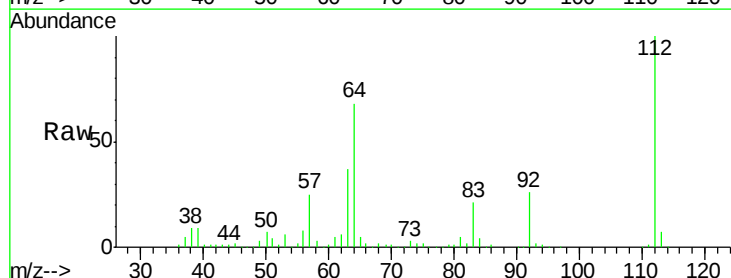
Tgt Ion:112 Resp: 735056

Ion Ratio Lower Upper

112 100

64 67.9 52.1 78.1

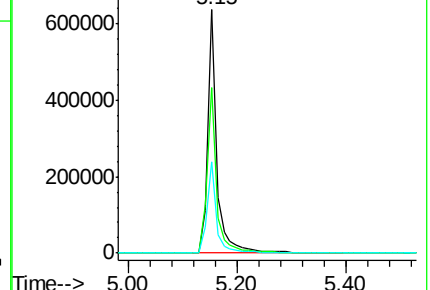
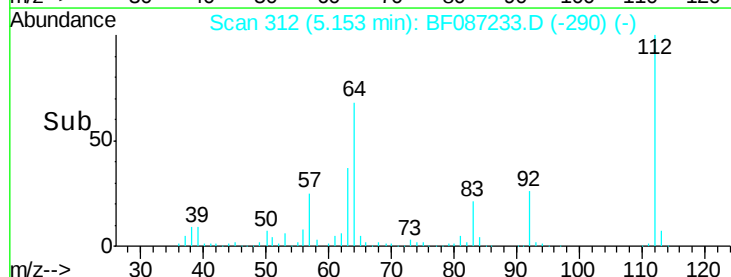
63 37.5 25.7 38.5



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: 92.87 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

Instrument :

BNA_F

ClientSampleId :

PB90764BL

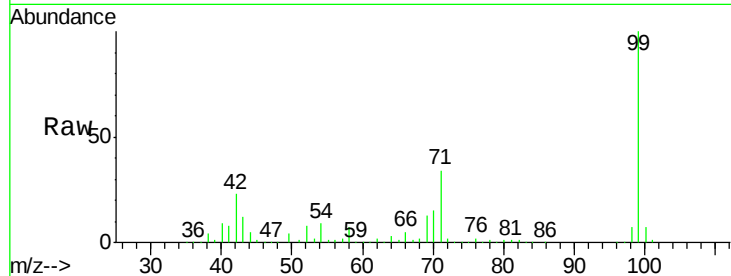
Tgt Ion: 99 Resp: 1030490

Ion Ratio Lower Upper

99 100

42 22.8 13.6 20.4#

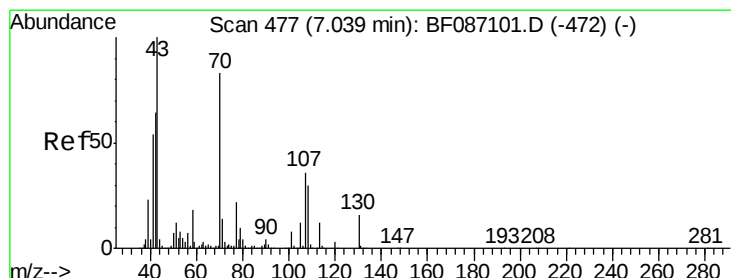
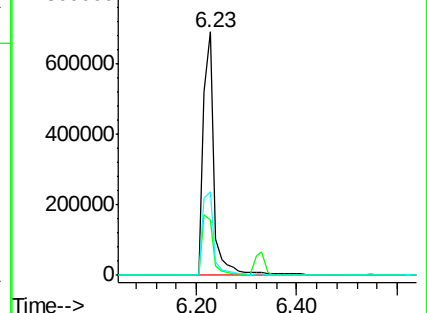
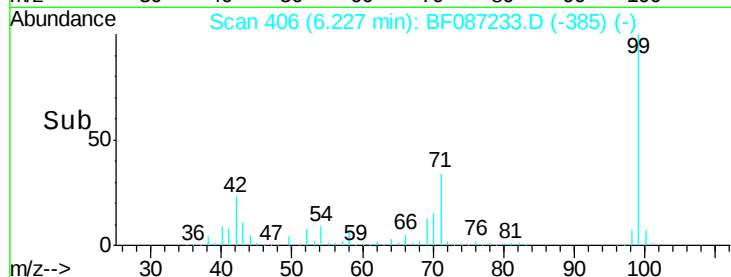
71 34.3 24.6 36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.57 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

Tgt Ion: 70 Resp: 122928

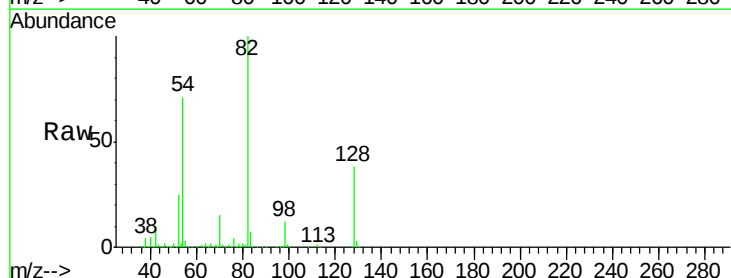
Ion Ratio Lower Upper

70 100

42 69.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

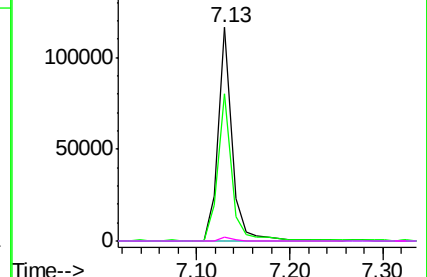
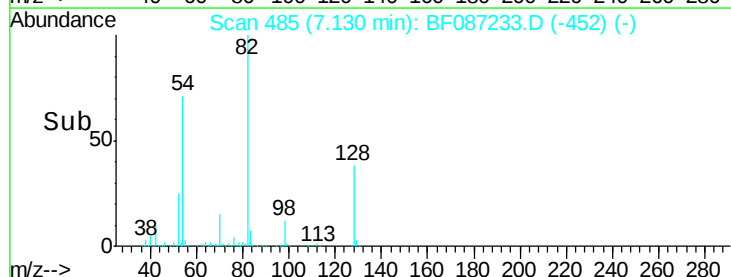


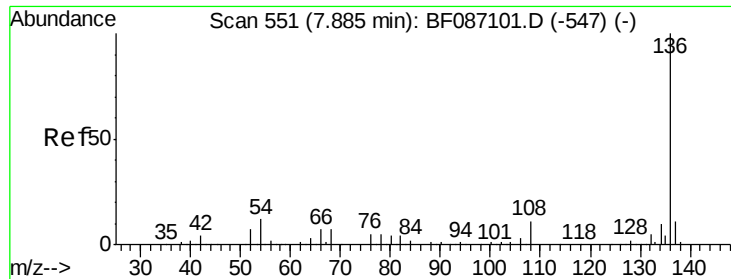
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

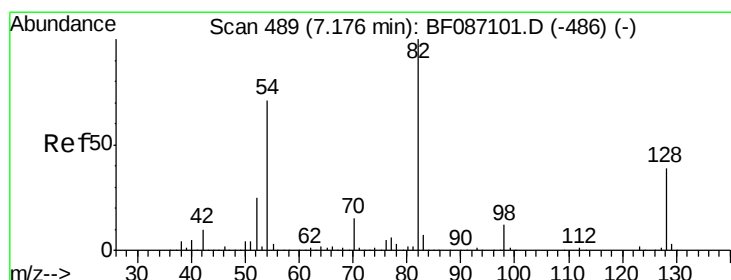
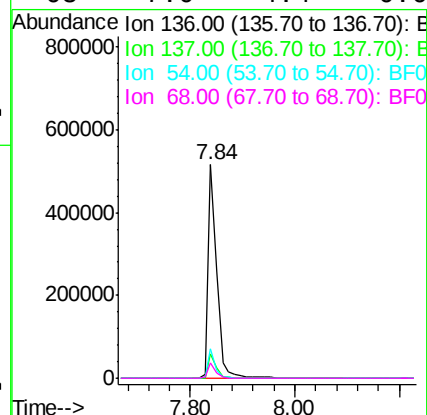
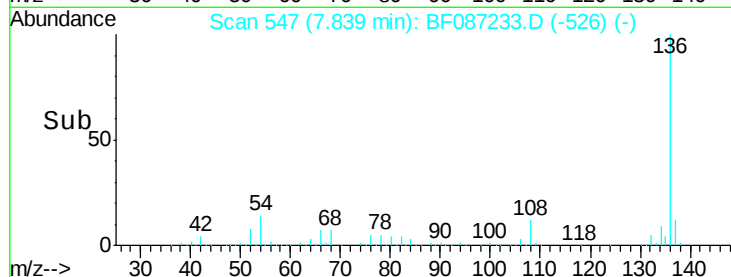
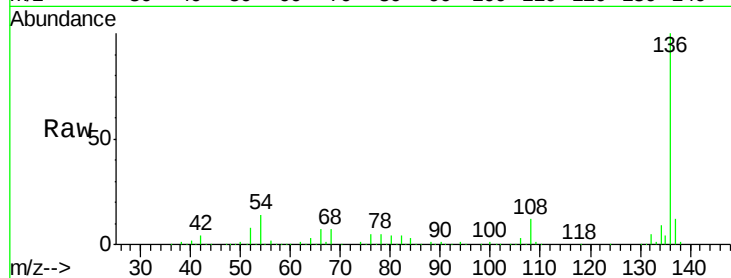




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087233.D
Acq: 20 May 2016 19:27

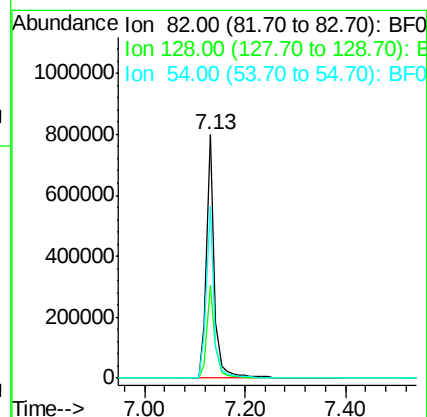
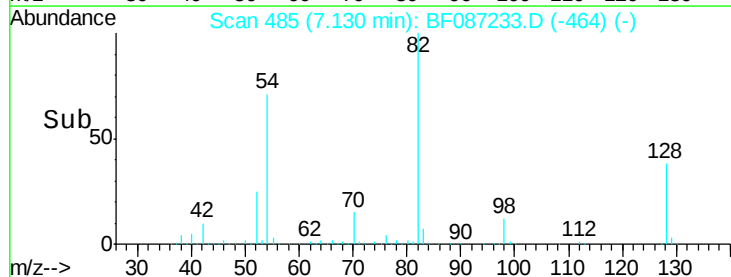
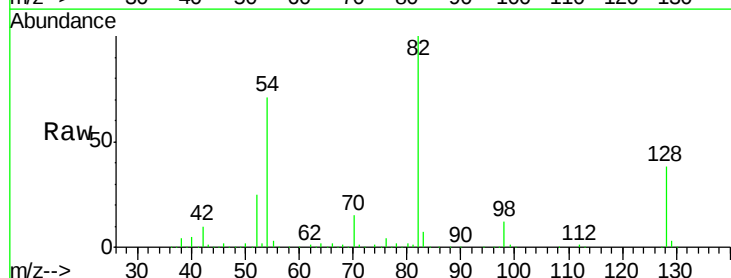
Instrument :
BNA_F
ClientSampleId :
PB90764BL

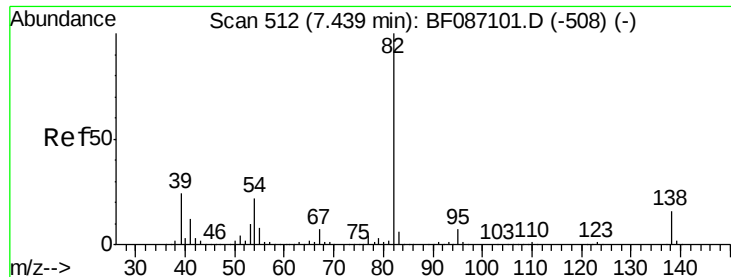
Tgt Ion:	136	Resp:	599054
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	13.8	5.0	7.4#
68	7.0	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 72.94 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087233.D
Acq: 20 May 2016 19:27

Tgt Ion:	82	Resp:	876752
Ion	Ratio	Lower	Upper
82	100		
128	38.1	40.6	61.0#
54	70.7	38.1	57.1#





#25

Isophorone

Concen: 34.24 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

Instrument :

BNA_F

ClientSampleId :

PB90764BL

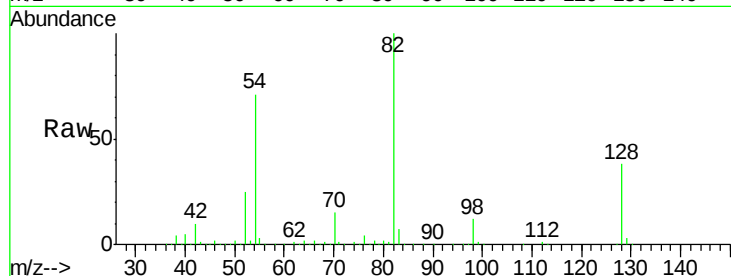
Tgt Ion: 82 Resp: 753427

Ion Ratio Lower Upper

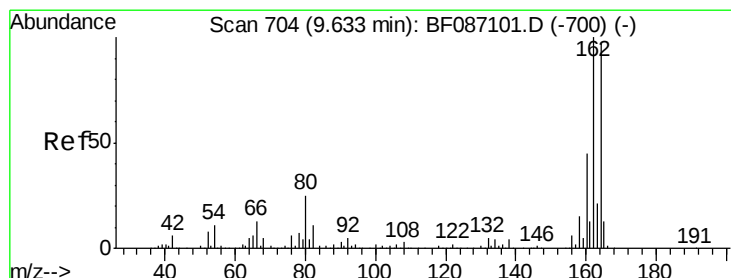
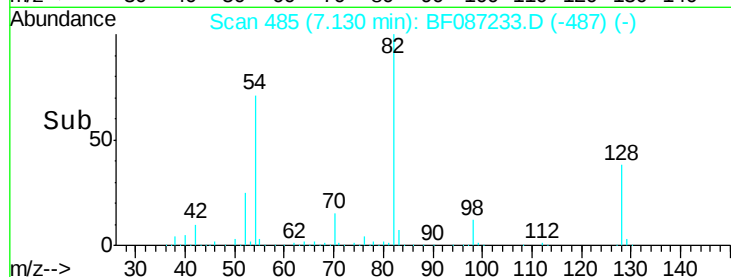
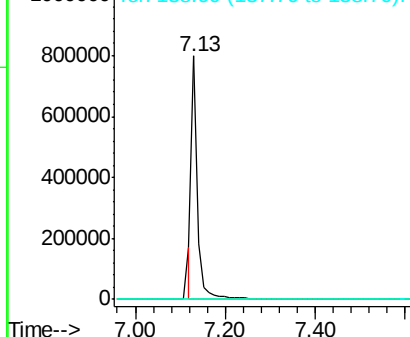
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

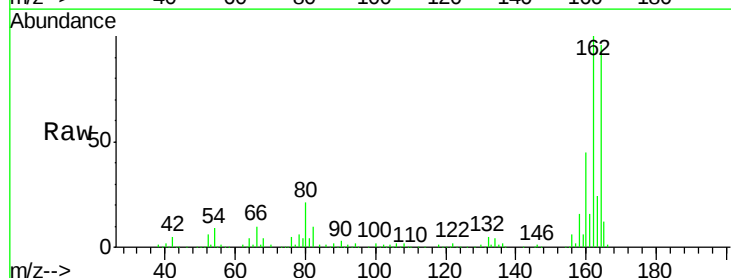
Tgt Ion: 164 Resp: 314520

Ion Ratio Lower Upper

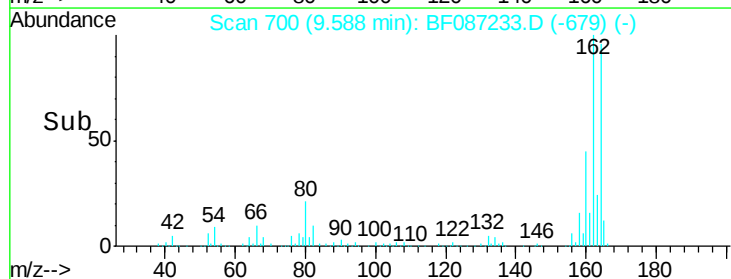
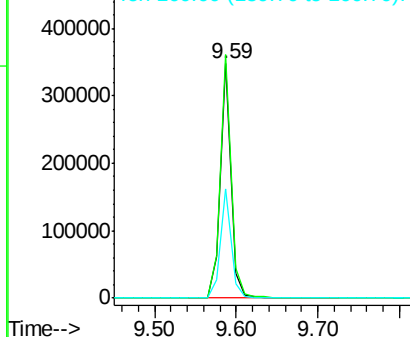
164 100

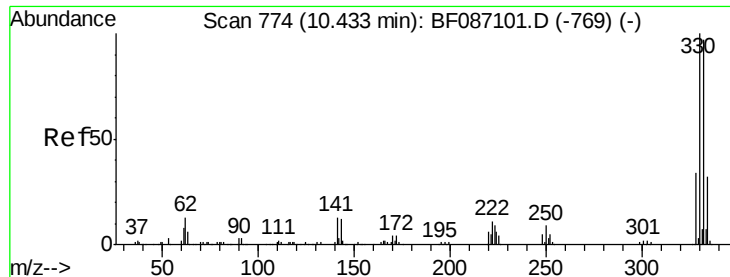
162 104.0 82.8 124.2

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

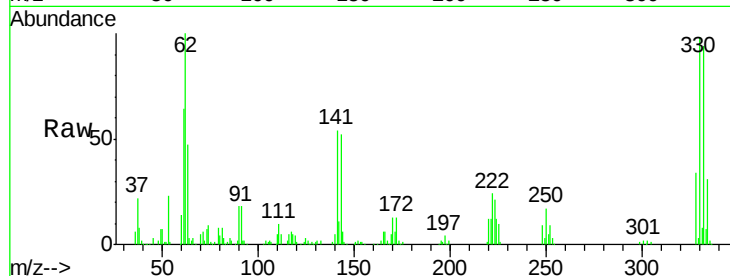




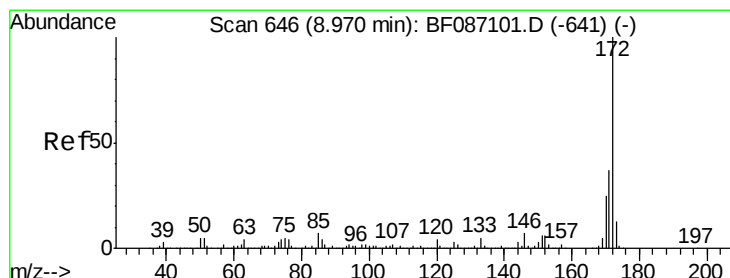
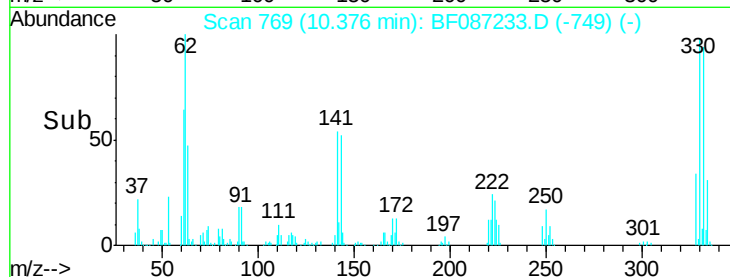
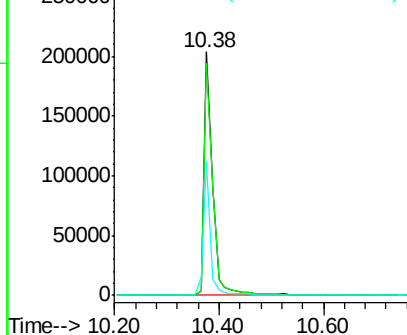
#41
 2,4,6-Tribromophenol
 Concen: 67.75 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.07 min
 Lab File: BF087233.D
 Acq: 20 May 2016 19:27

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	45.5	31.2	46.8

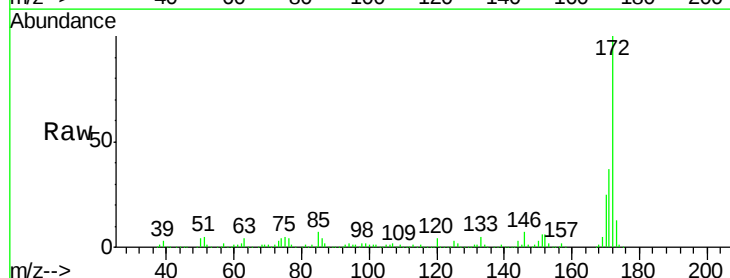


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

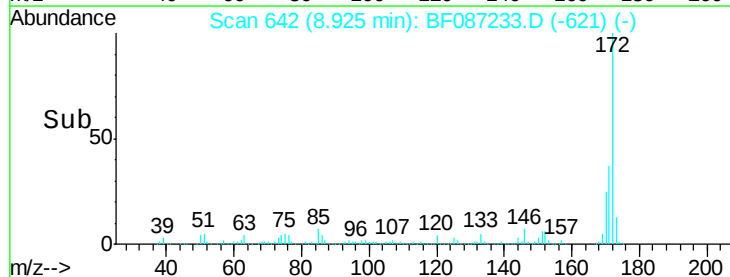
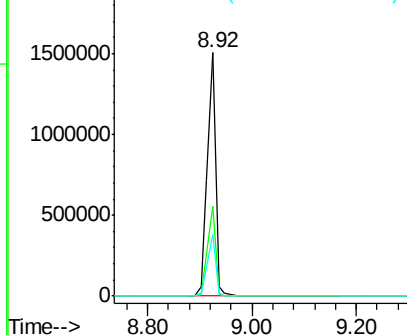


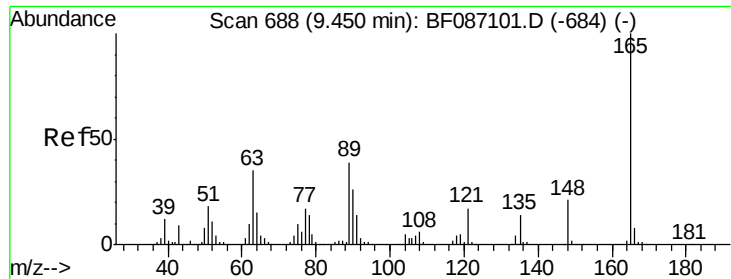
#44
 2-Fluorobiphenyl
 Concen: 87.04 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087233.D
 Acq: 20 May 2016 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	25.2	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

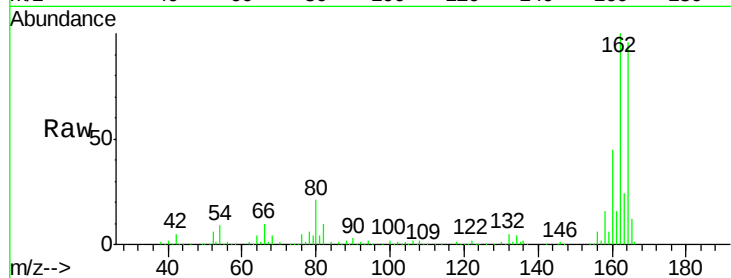




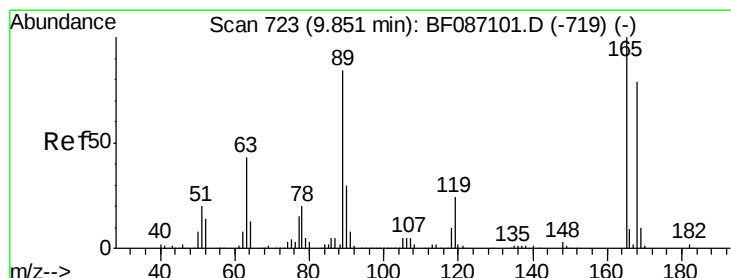
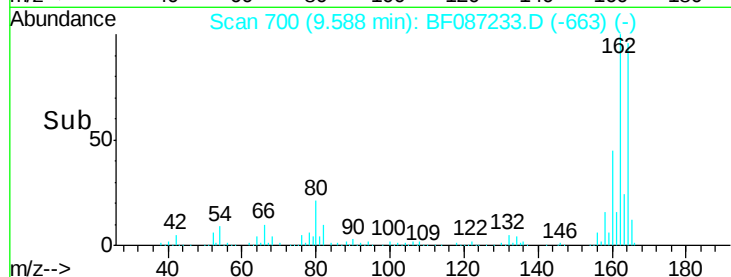
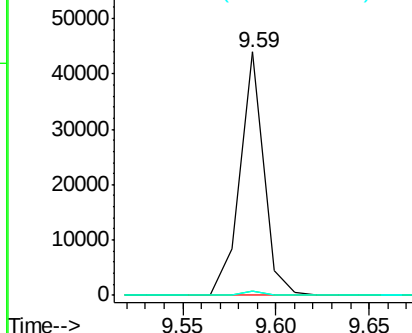
#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.13 min
 Lab File: BF087233.D
 Acq: 20 May 2016 19:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90764BL

Tgt Ion:165 Resp: 39338
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 2.0 50.7 76.1#



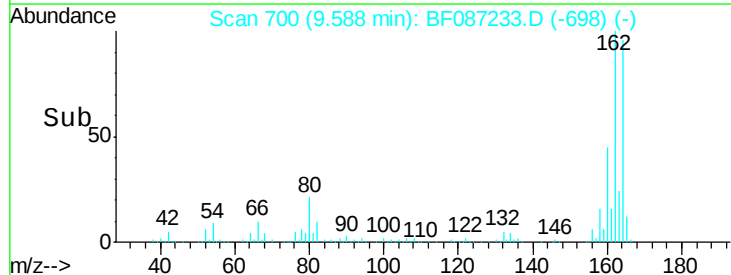
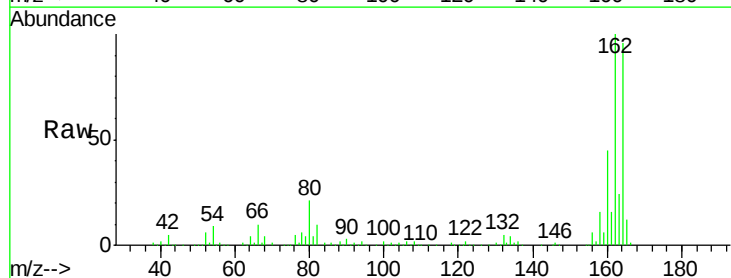
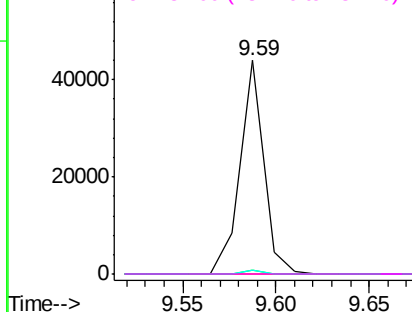
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

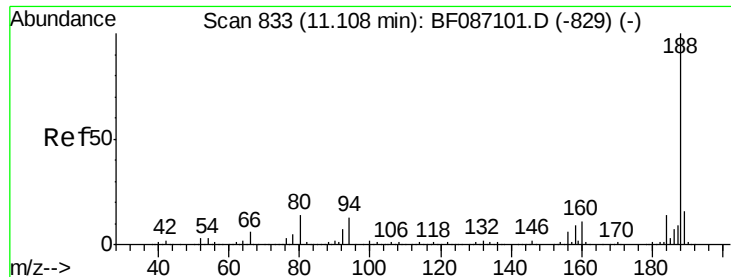


#56
 2,4-Dinitrotoluene
 Concen: 5.90 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.27 min
 Lab File: BF087233.D
 Acq: 20 May 2016 19:27

Tgt Ion:165 Resp: 39338
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.3 66.5#
 89 2.0 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

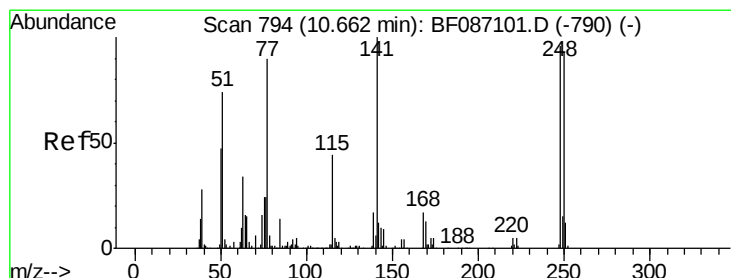
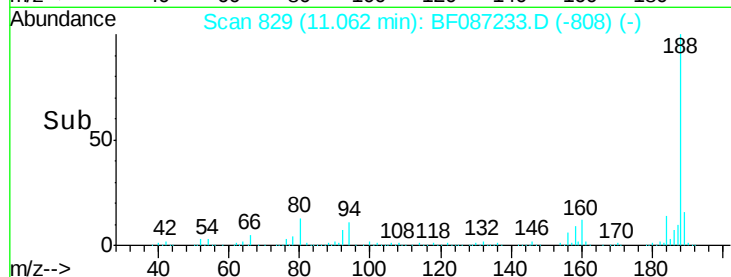
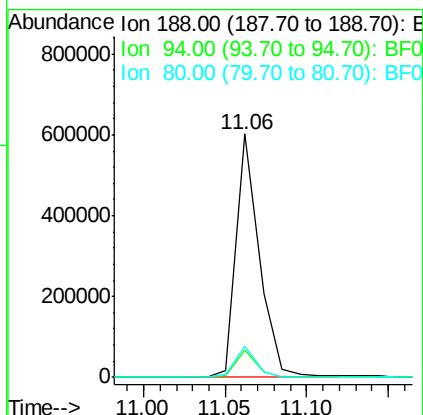
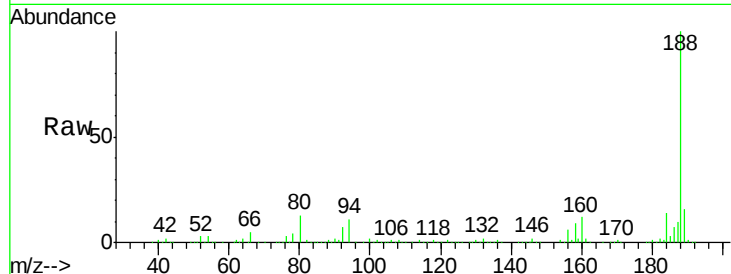




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF087233.D
Acq: 20 May 2016 19:27

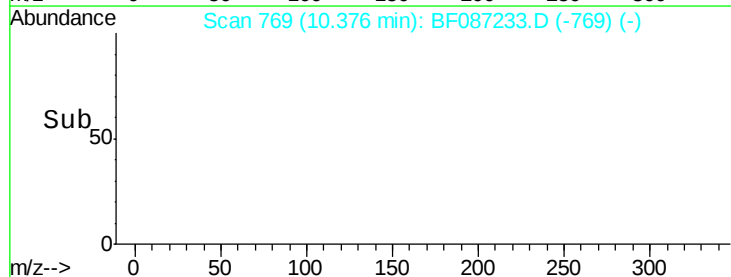
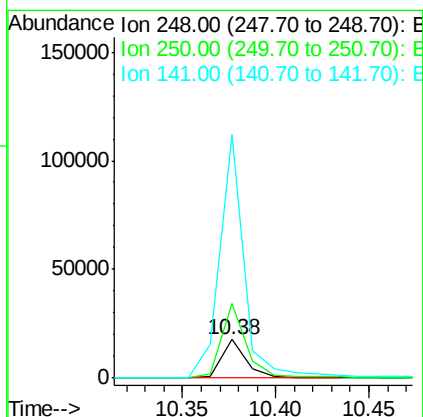
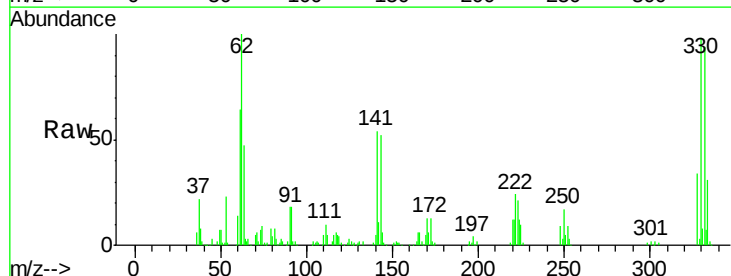
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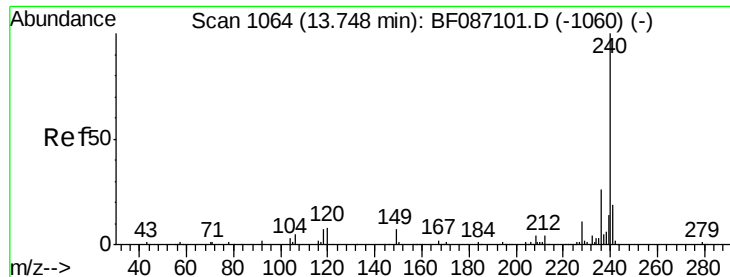
Tgt Ion:188 Resp: 592580
Ion Ratio Lower Upper
188 100
94 11.3 6.8 10.2#
80 12.7 7.1 10.7#



#66
4-Bromophenyl-phenylether
Concen: 2.70 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.30 min
Lab File: BF087233.D
Acq: 20 May 2016 19:27

Tgt Ion:248 Resp: 16476
Ion Ratio Lower Upper
248 100
250 194.4 78.6 117.8#
141 631.2 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

Instrument :

BNA_F

ClientSampleId :

PB90764BL

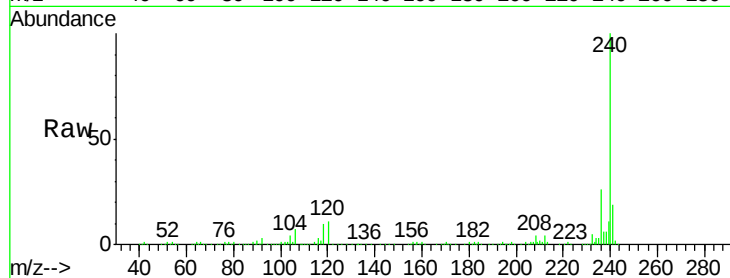
Tgt Ion:240 Resp: 468469

Ion Ratio Lower Upper

240 100

120 10.9 11.2 16.8#

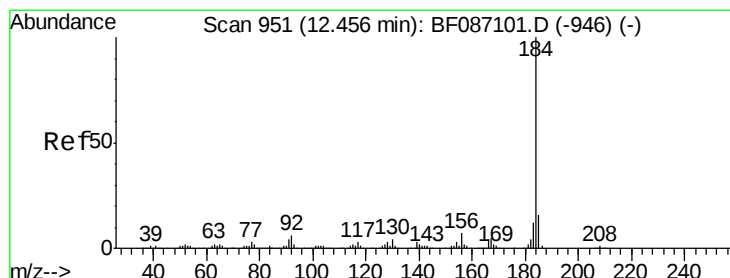
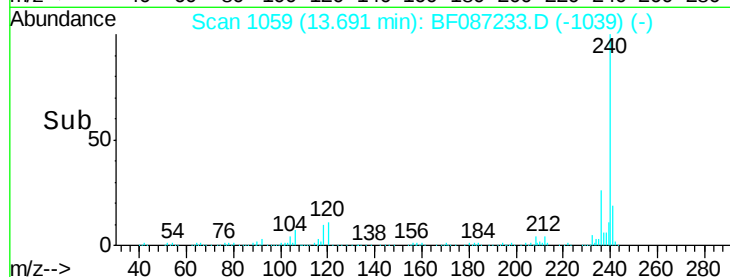
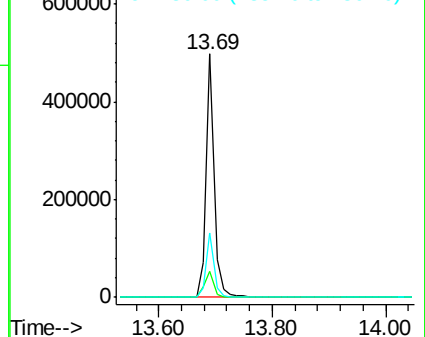
236 26.3 21.2 31.8



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: 2.26 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.18 min

Lab File: BF087233.D

Acq: 20 May 2016 19:27

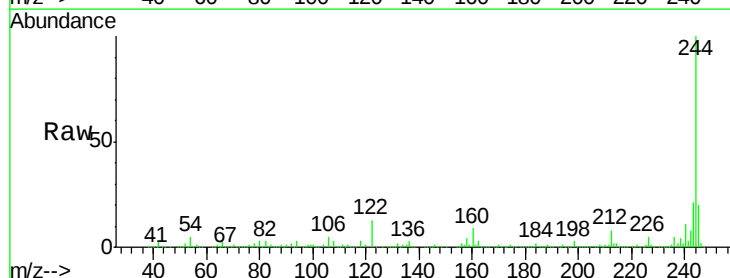
Tgt Ion:184 Resp: 22923

Ion Ratio Lower Upper

184 100

185 18.6 13.6 20.4

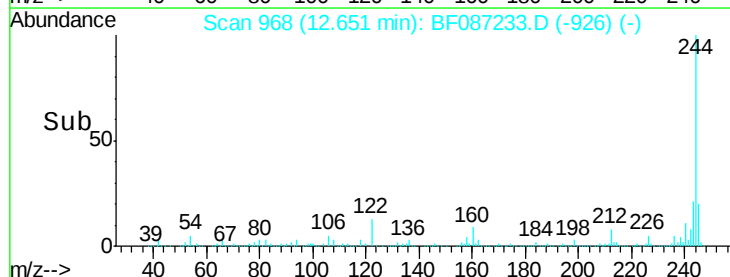
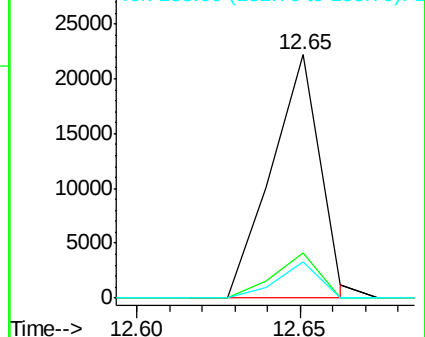
183 14.9 9.8 14.6#

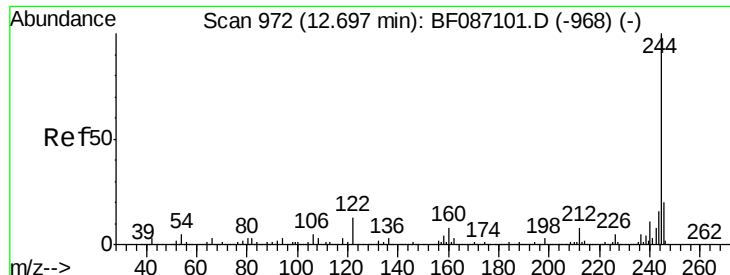


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

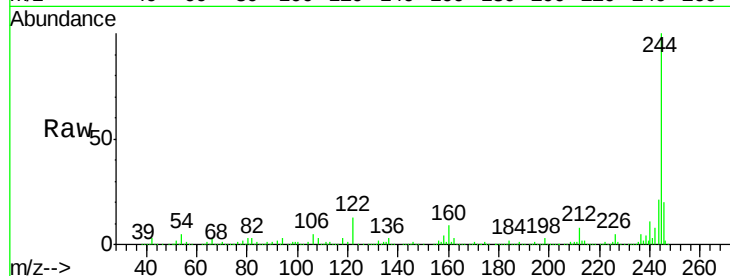




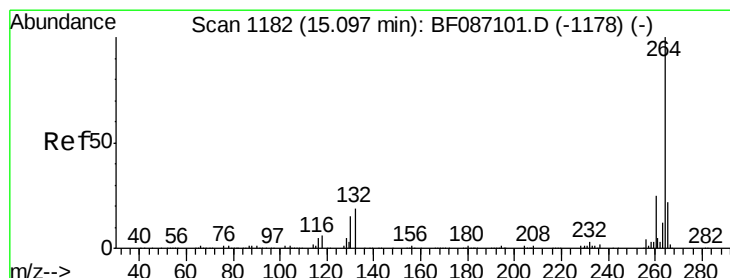
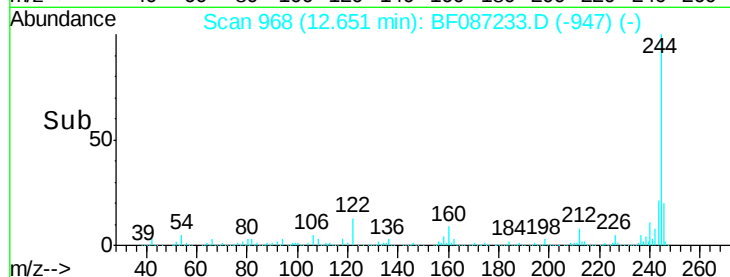
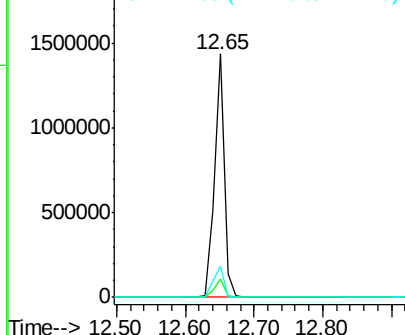
#78
 Terphenyl-d14
 Concen: 70.35 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.06 min
 Lab File: BF087233.D
 Acq: 20 May 2016 19:27

Instrument :
 BNA_F
 ClientSampleId :
 PB90764BL

Tgt Ion:244 Resp: 1456855
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 12.8 12.0 18.0

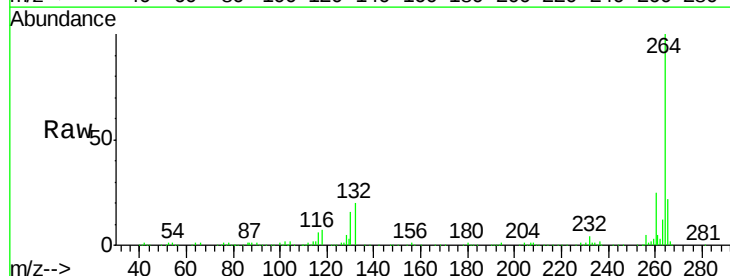


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.07 min
 Lab File: BF087233.D
 Acq: 20 May 2016 19:27

Tgt Ion:264 Resp: 330347
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 21.7 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

