

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087035.D
 Acq On : 14 May 2016 22:36
 Operator : UM/SJ
 Sample : PB90536TB
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90536TB

Quant Time: May 16 04:46:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

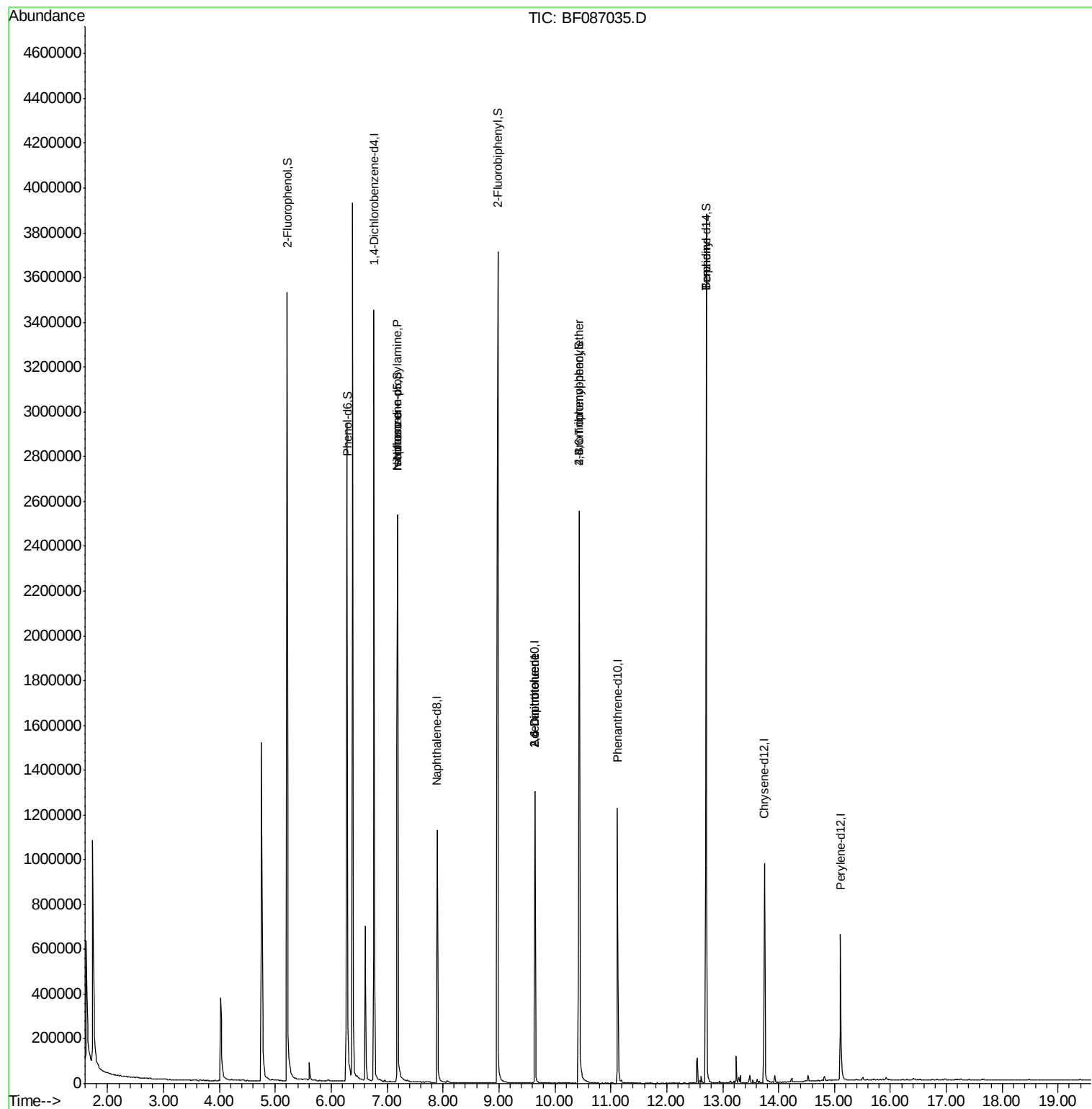
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	455886	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	542567	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	265804	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	498900	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	346564	20.00	ng	-0.09
86) Perylene-d12	15.11	264	282844	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	956054	35.52	ng	-0.08
7) Phenol-d6	6.28	99	1385393	38.51	ng	-0.08
23) Nitrobenzene-d5	7.19	82	977926	90.50	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	299787	106.53	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1548371	97.90	ng	-0.08
78) Terphenyl-d14	12.71	244	1241963	76.03	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	139139	5.53	ng	# 76
25) Isophorone	7.19	82	958311	47.80	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	32218	7.55	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	32219	6.10	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	18274	3.61	ng	# 1
76) Benzidine	12.71	184	19844	2.25	ng	98

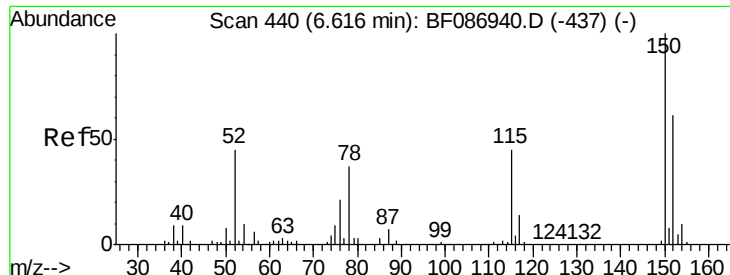
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 14:55:23 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Instrument :

BNA_F

ClientSampleId :

PB90536TB

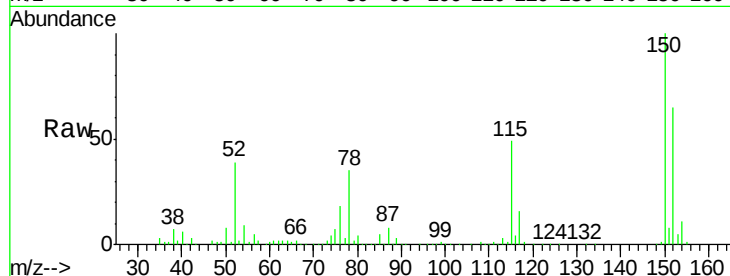
Tgt Ion:152 Resp: 455886

Ion Ratio Lower Upper

152 100

150 154.5 125.8 188.6

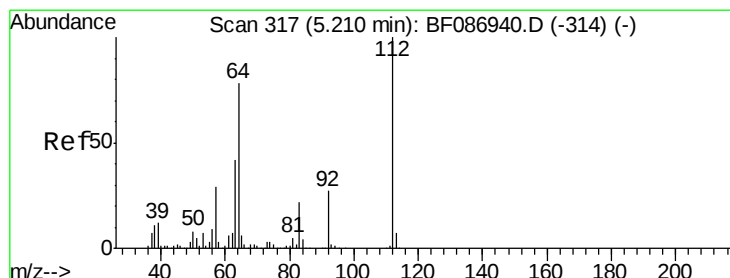
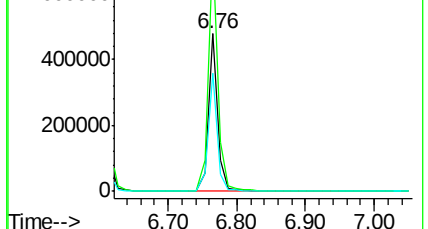
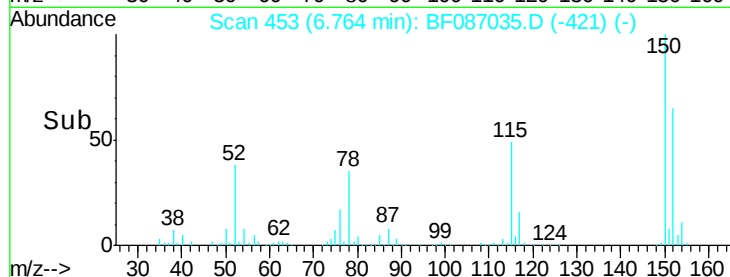
115 75.3 51.5 77.3



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: 35.52 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

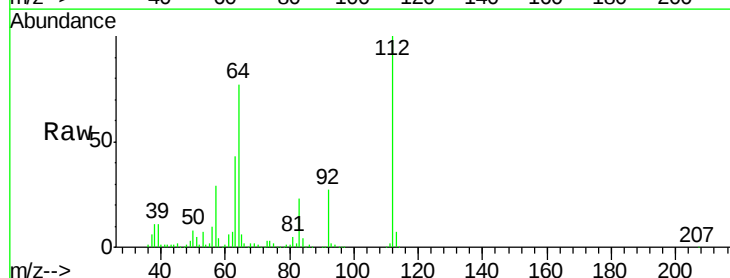
Tgt Ion:112 Resp: 956054

Ion Ratio Lower Upper

112 100

64 77.1 52.1 78.1

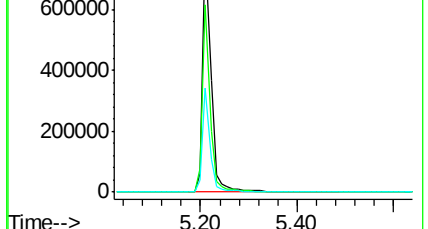
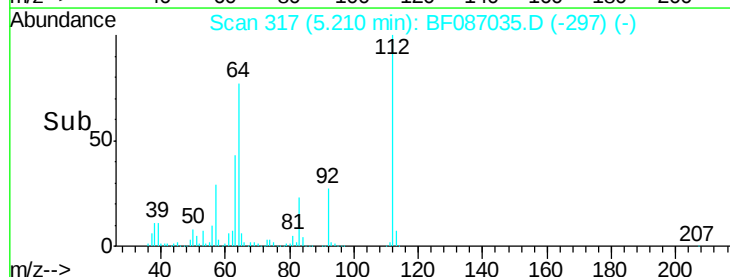
63 42.7 25.7 38.5#



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: 38.51 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Instrument :

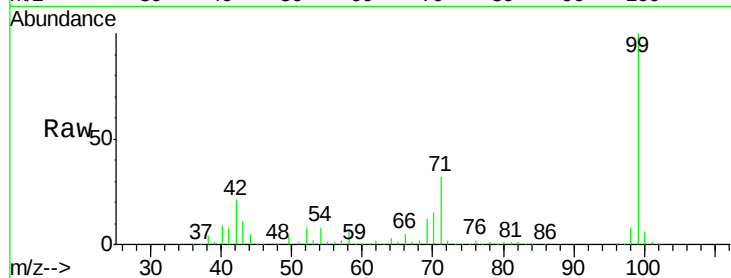
BNA_F

ClientSampleId :

PB90536TB

Tgt Ion: 99 Resp: 1385393

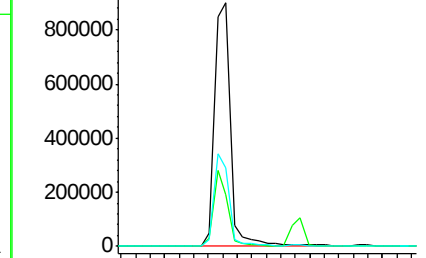
Ion	Ratio	Lower	Upper
99	100		
42	21.1	13.6	20.4#
71	32.3	24.6	36.8



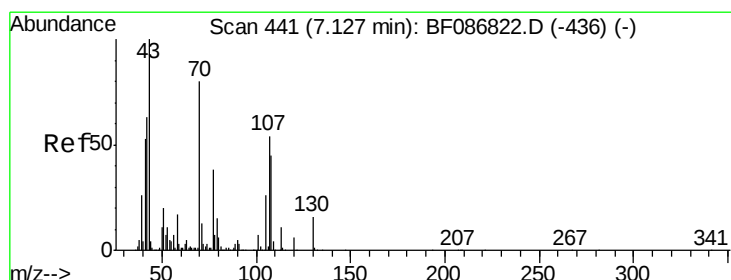
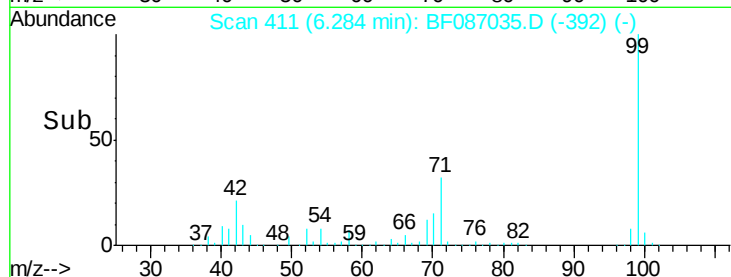
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 5.53 ng

RT: 7.19 min Scan# 490

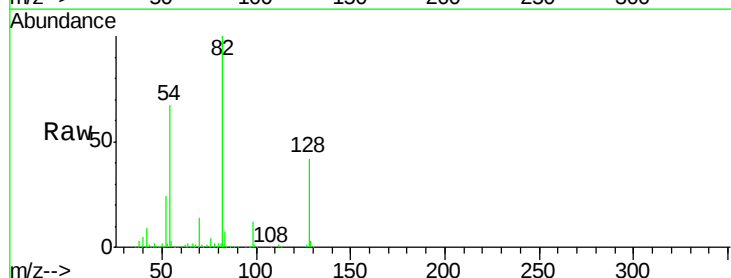
Delta R.T. 0.06 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Tgt Ion: 70 Resp: 139139

Ion	Ratio	Lower	Upper
70	100		
42	64.1	43.1	64.7
101	0.0	8.1	12.1#
130	2.1	18.6	28.0#

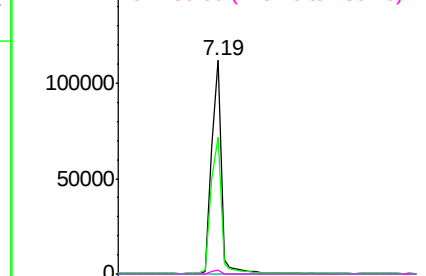


Abundance Ion 70.00 (69.70 to 70.70): BF0

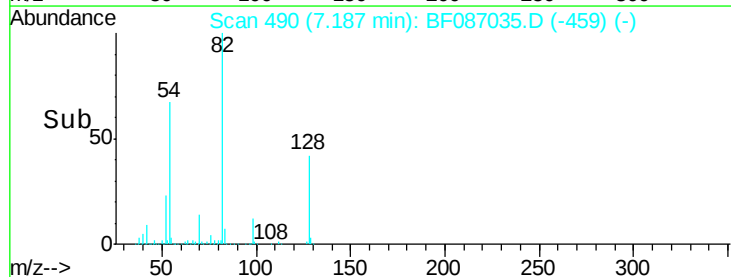
Ion 42.00 (41.70 to 42.70): BF0

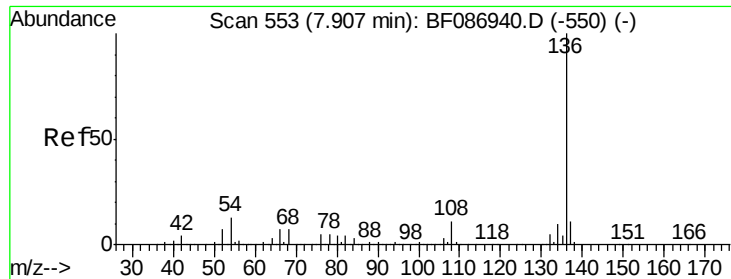
Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->

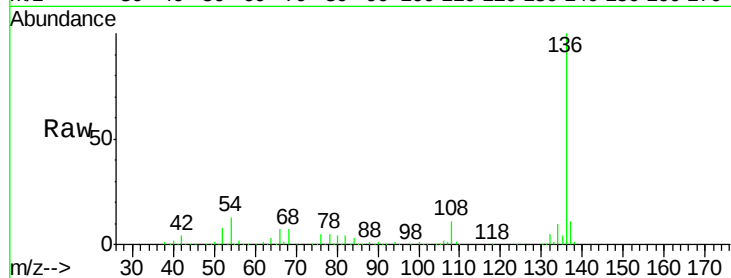




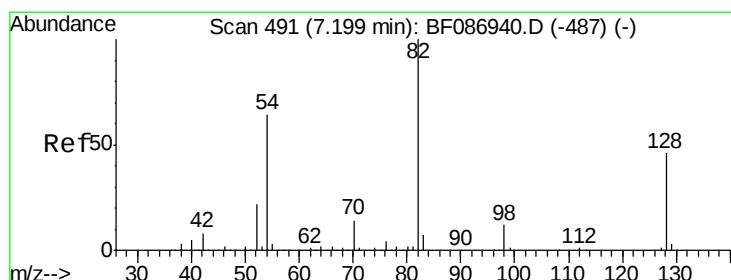
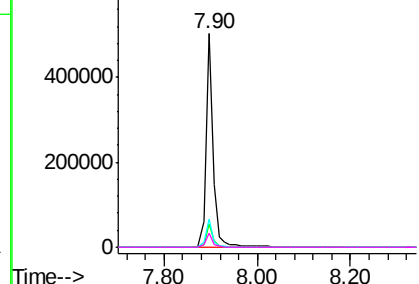
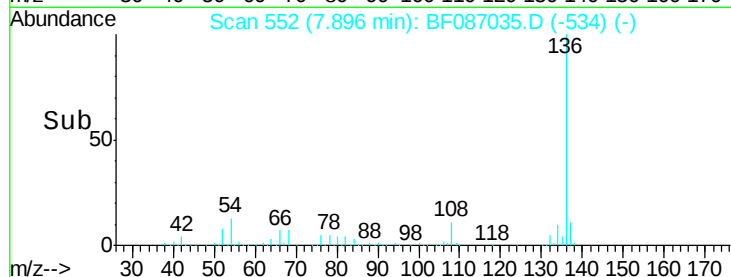
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087035.D
Acq: 14 May 2016 22:36

Instrument :
BNA_F
ClientSampleId :
PB90536TB

Tgt Ion:	136	Resp:	542567
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	13.0	5.0	7.4#
68	6.6	4.4	6.6

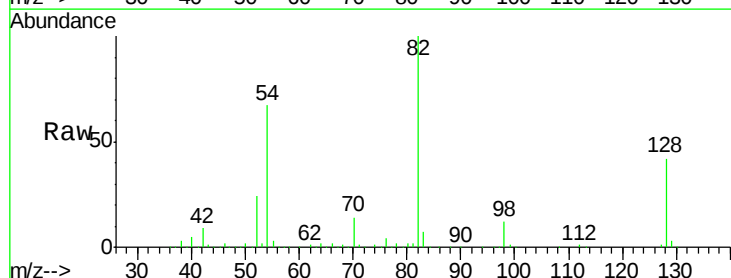


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

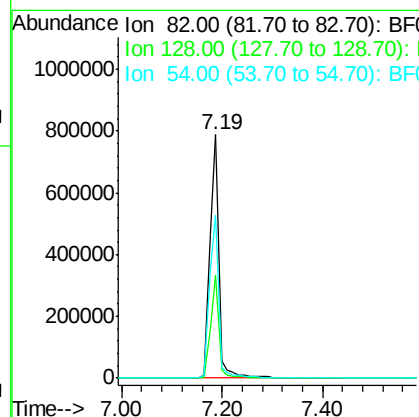
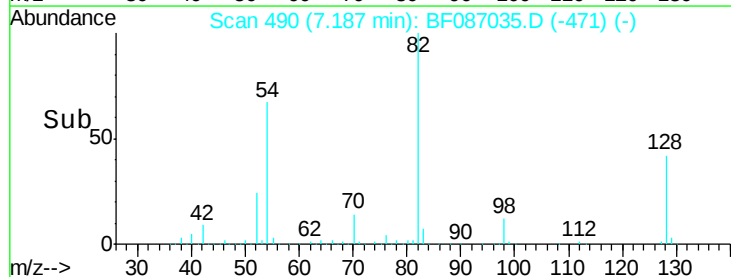


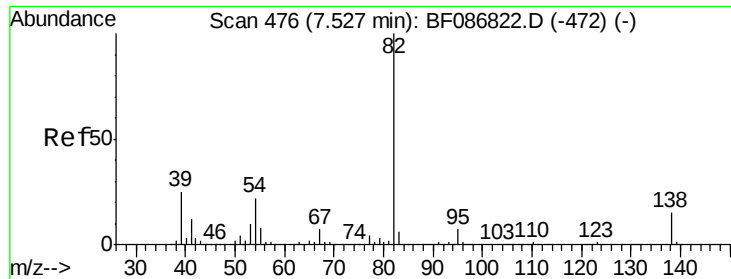
#23
Nitrobenzene-d5
Concen: 90.50 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087035.D
Acq: 14 May 2016 22:36

Tgt Ion:	82	Resp:	977926
Ion	Ratio	Lower	Upper
82	100		
128	42.5	40.6	61.0
54	66.9	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: 47.80 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Instrument :

BNA_F

ClientSampleId :

PB90536TB

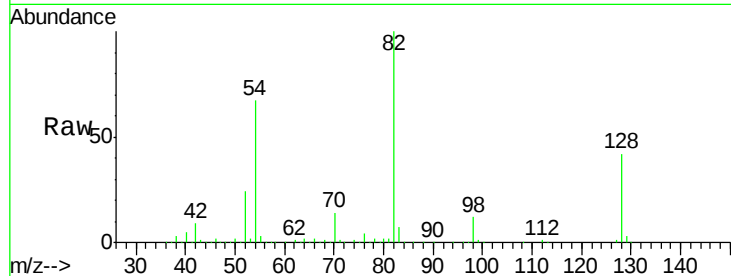
Tgt Ion: 82 Resp: 958311

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

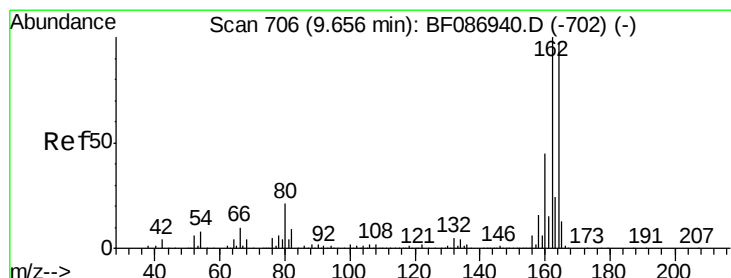
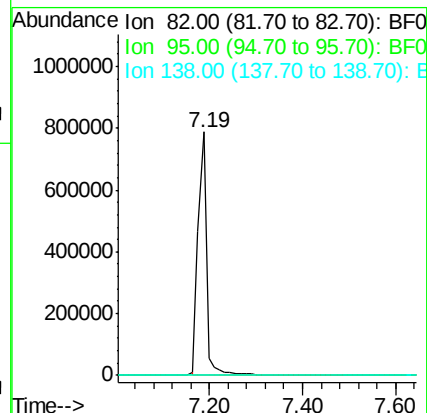
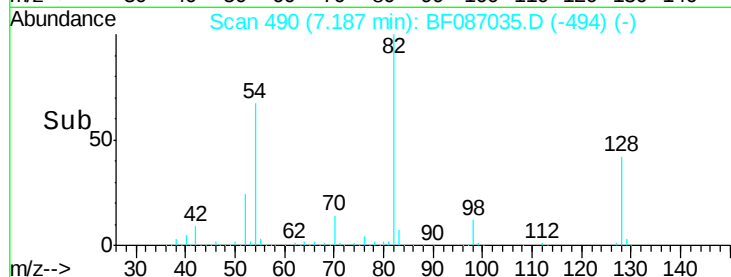
138 0.0 12.4 18.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

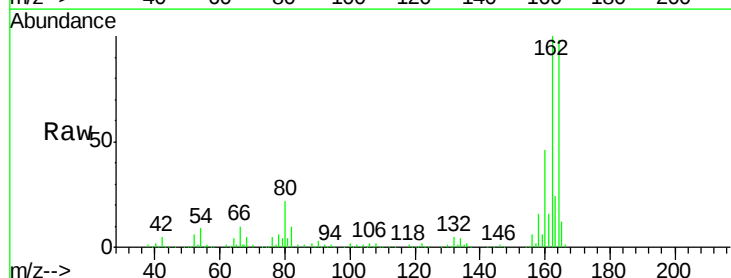
Tgt Ion: 164 Resp: 265804

Ion Ratio Lower Upper

164 100

162 101.8 82.8 124.2

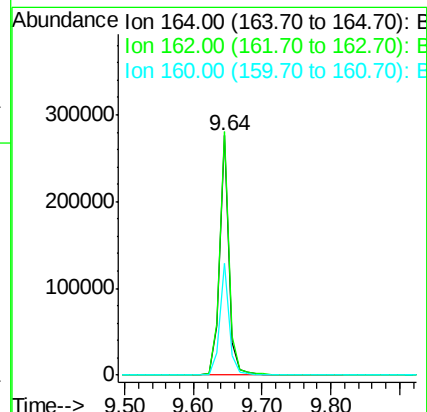
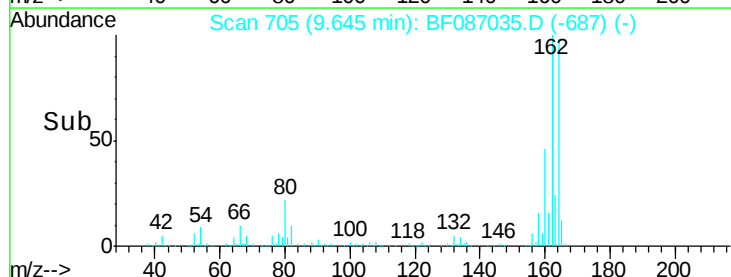
160 46.7 36.9 55.3

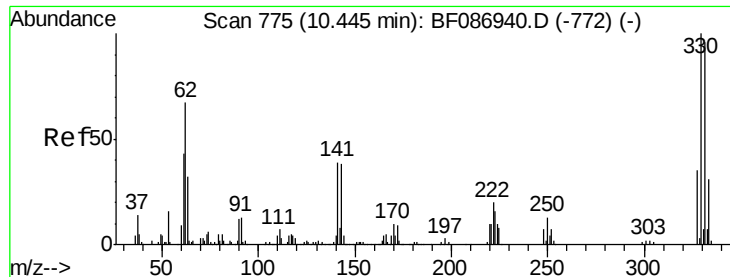


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

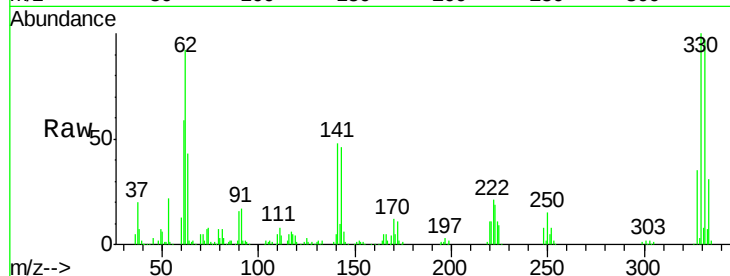




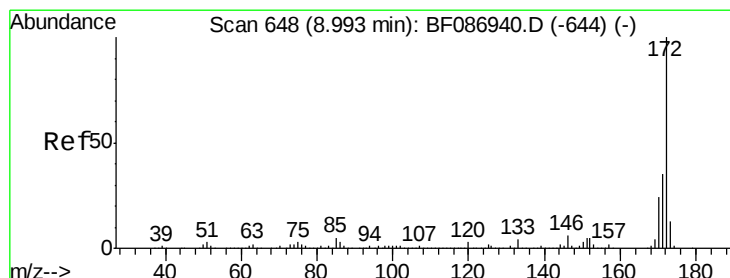
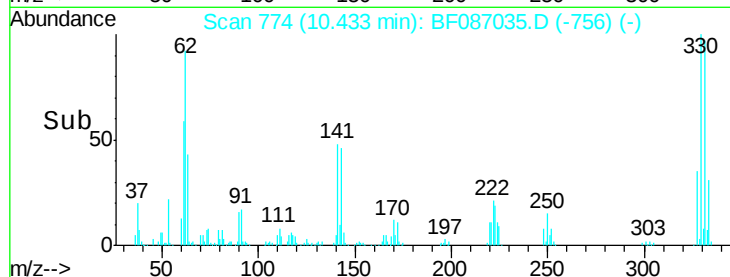
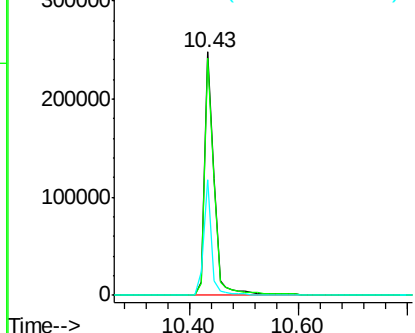
#41
 2,4,6-Tribromophenol
 Concen: 106.53 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087035.D
 Acq: 14 May 2016 22:36

Instrument :
 BNA_F
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 PB90536TB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.0	118.4
141	40.2	31.2	46.8

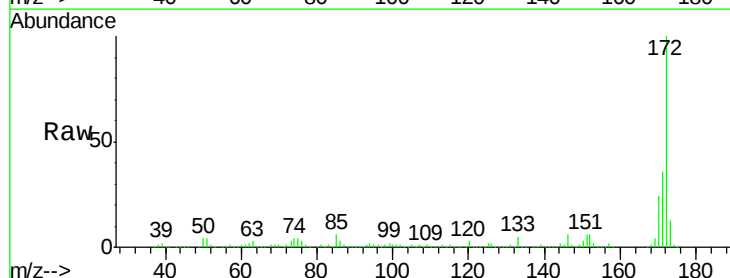


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

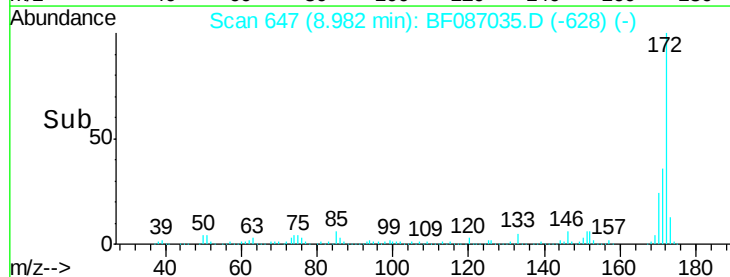
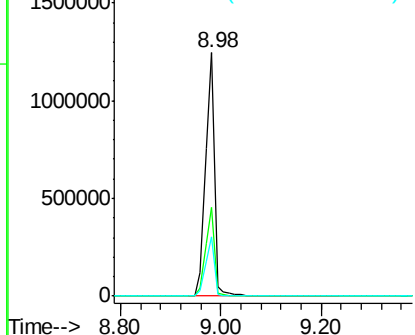


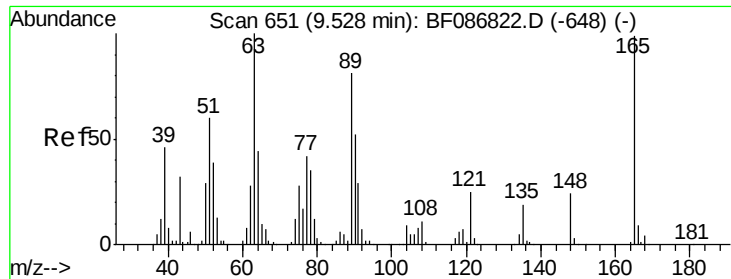
#44
 2-Fluorobiphenyl
 Concen: 97.90 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087035.D
 Acq: 14 May 2016 22:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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





#50

2,6-Dinitrotoluene

Concen: 7.55 ng

RT: 9.64 min Scan# 705

Delta R.T. 0.12 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Instrument :

BNA_F

ClientSampleId :

PB90536TB

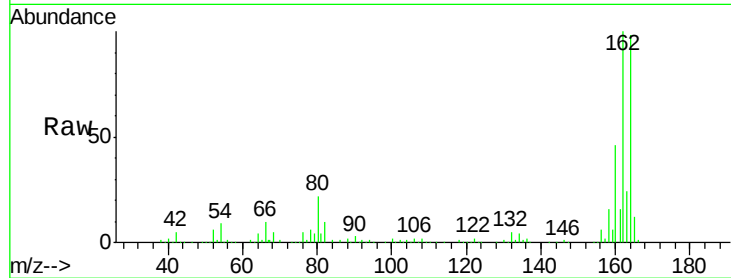
Tgt Ion:165 Resp: 32218

Ion Ratio Lower Upper

165 100

63 2.0 51.8 77.8#

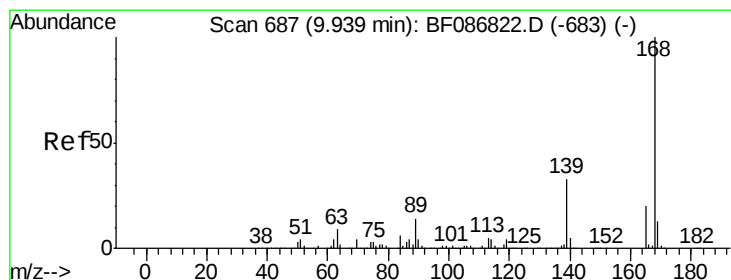
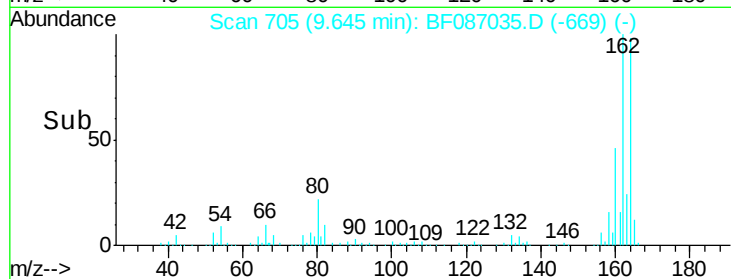
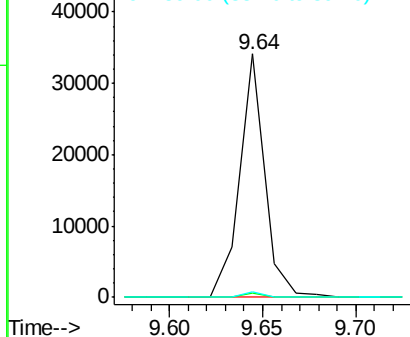
89 2.3 50.7 76.1#



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: 6.10 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Tgt Ion:165 Resp: 32219

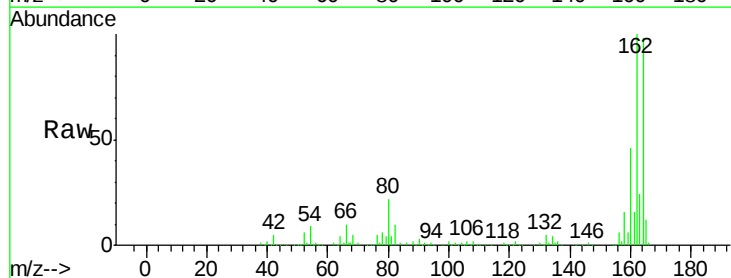
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 2.3 70.0 105.0#

182 0.0 1.8 2.6#

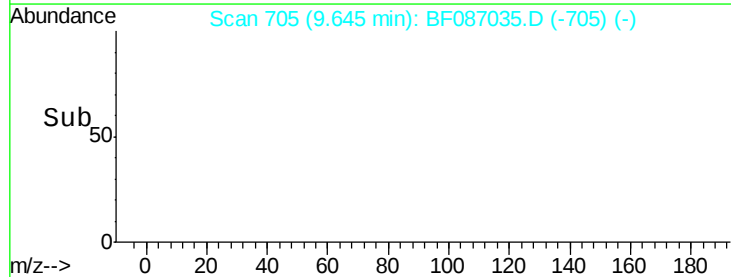
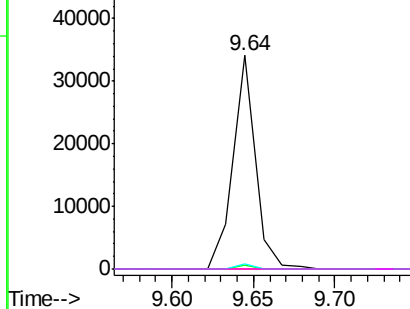


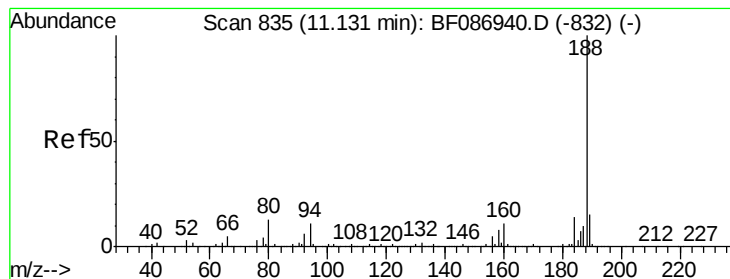
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Instrument :

BNA_F

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PB90536TB

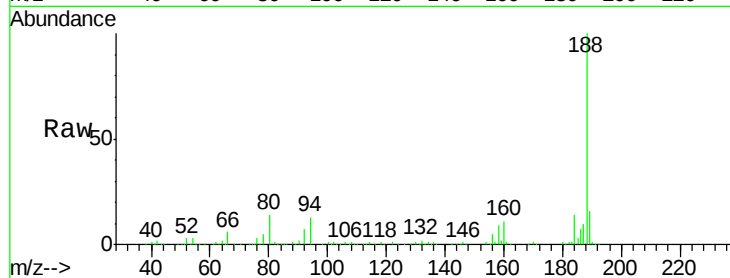
Tgt Ion:188 Resp: 498900

Ion Ratio Lower Upper

188 100

94 12.6 6.8 10.2#

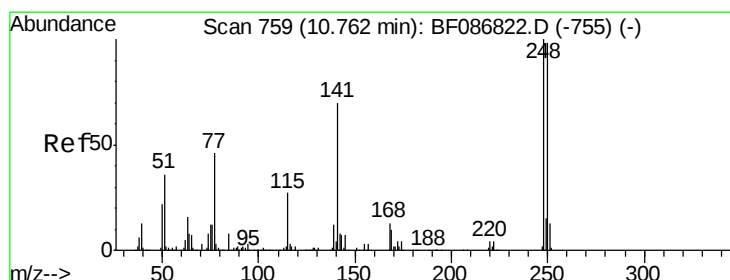
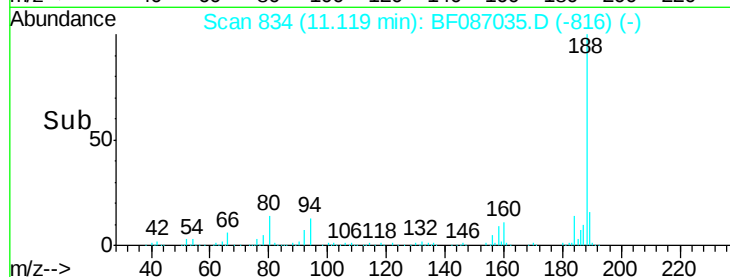
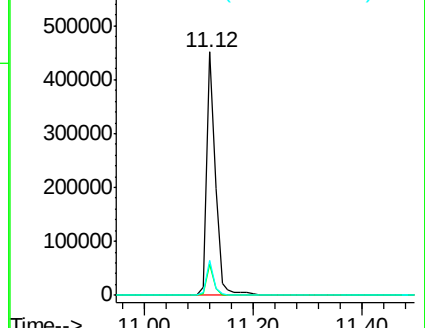
80 14.1 7.1 10.7#



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: 3.61 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

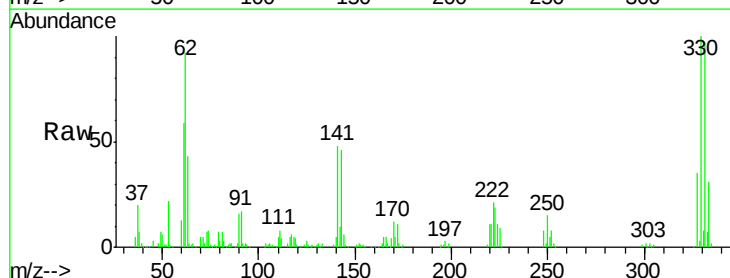
Tgt Ion:248 Resp: 18274

Ion Ratio Lower Upper

248 100

250 198.0 78.6 117.8#

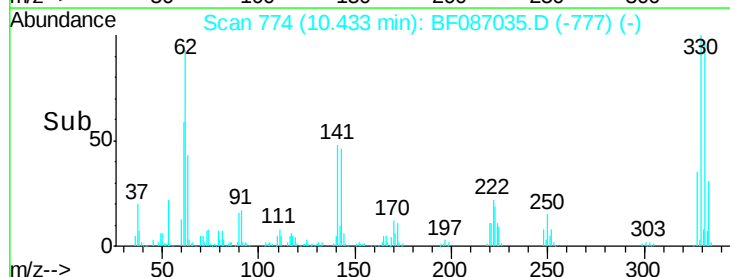
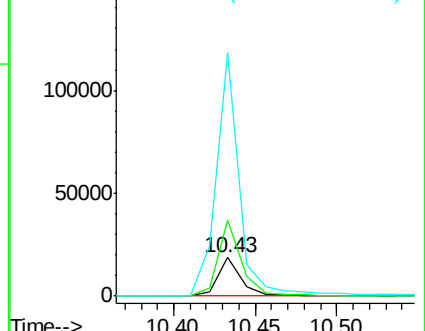
141 635.6 76.0 114.0#

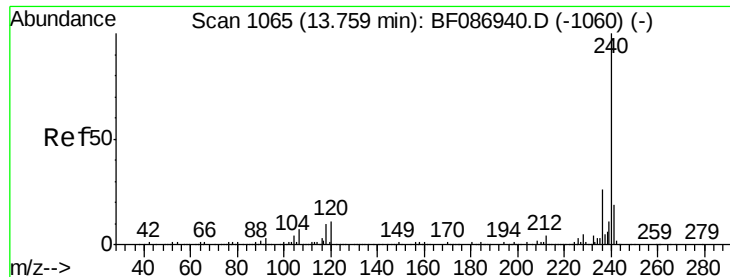


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

Instrument :

BNA_F

ClientSampleId :

PB90536TB

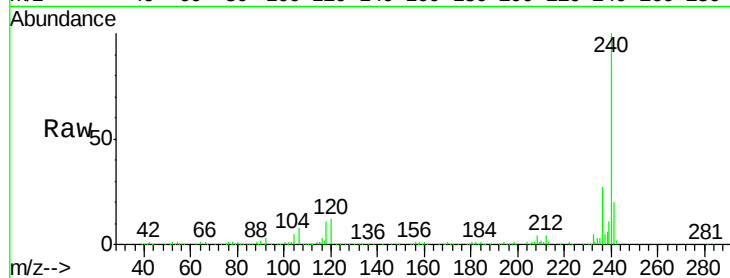
Tgt Ion:240 Resp: 346564

Ion Ratio Lower Upper

240 100

120 12.1 11.2 16.8

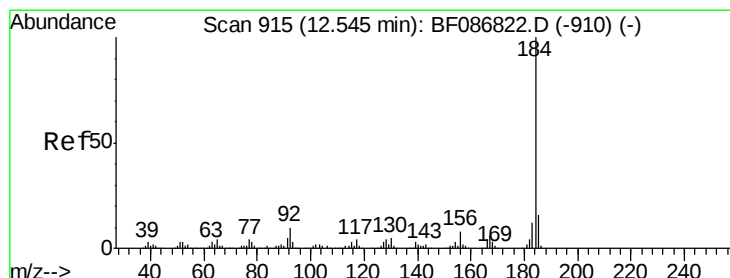
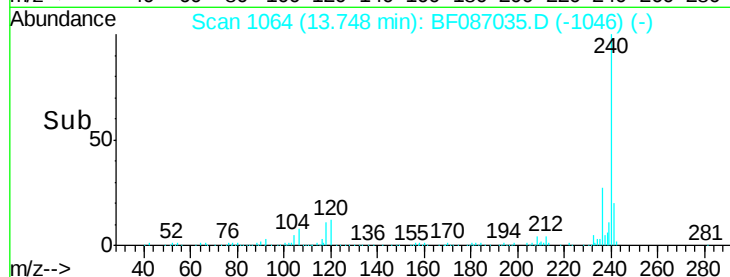
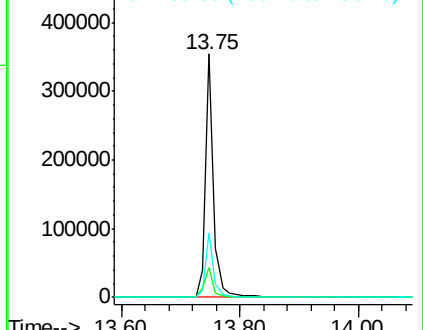
236 26.5 21.2 31.8



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: 2.25 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087035.D

Acq: 14 May 2016 22:36

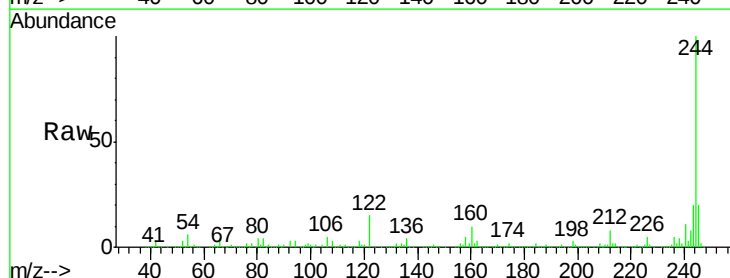
Tgt Ion:184 Resp: 19844

Ion Ratio Lower Upper

184 100

185 16.2 13.6 20.4

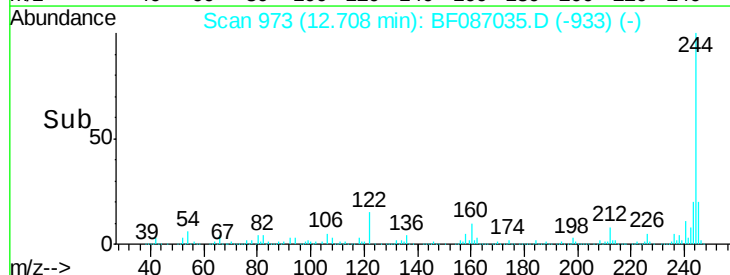
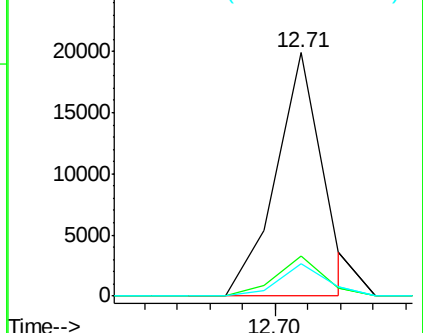
183 13.5 9.8 14.6

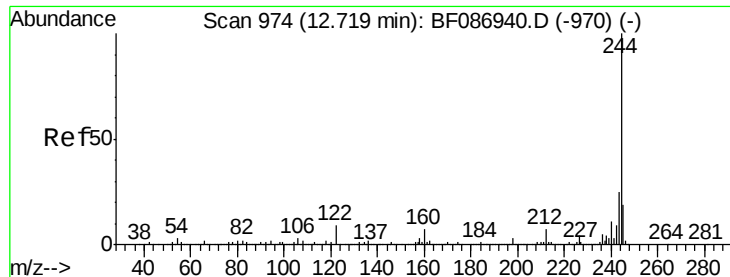


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

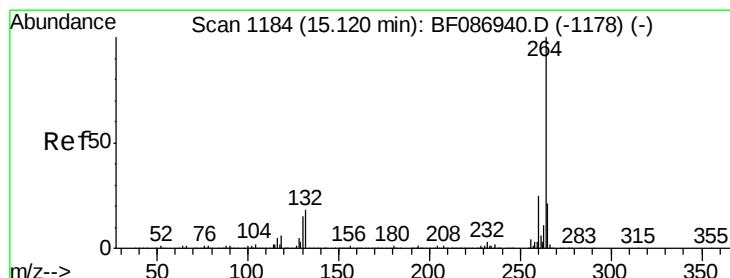
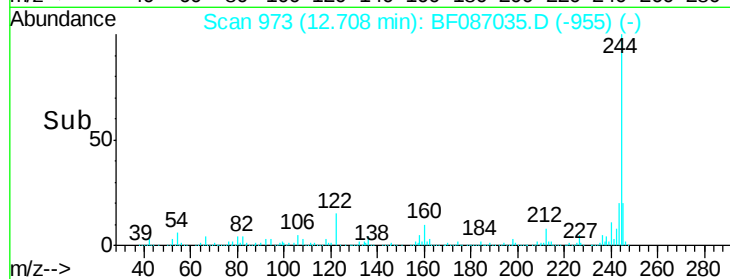
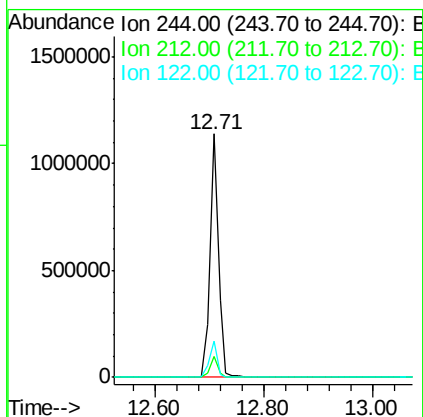
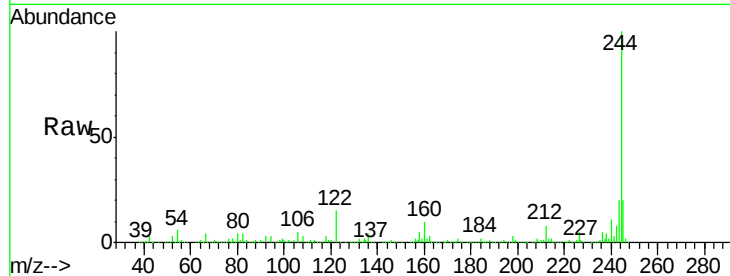




#78
 Terphenyl-d14
 Concen: 76.03 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087035.D
 Acq: 14 May 2016 22:36

Instrument :
 BNA_F
 ClientSampleId :
 PB90536TB

Tgt Ion:244 Resp: 1241963
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 15.0 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF087035.D
 Acq: 14 May 2016 22:36

Tgt Ion:264 Resp: 282844
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 21.5 17.3 25.9

