

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
 Data File : BF087166.D
 Acq On : 19 May 2016 2:52
 Operator : UM/SJ
 Sample : PB90651TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90651TB

Quant Time: May 19 03:55:17 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

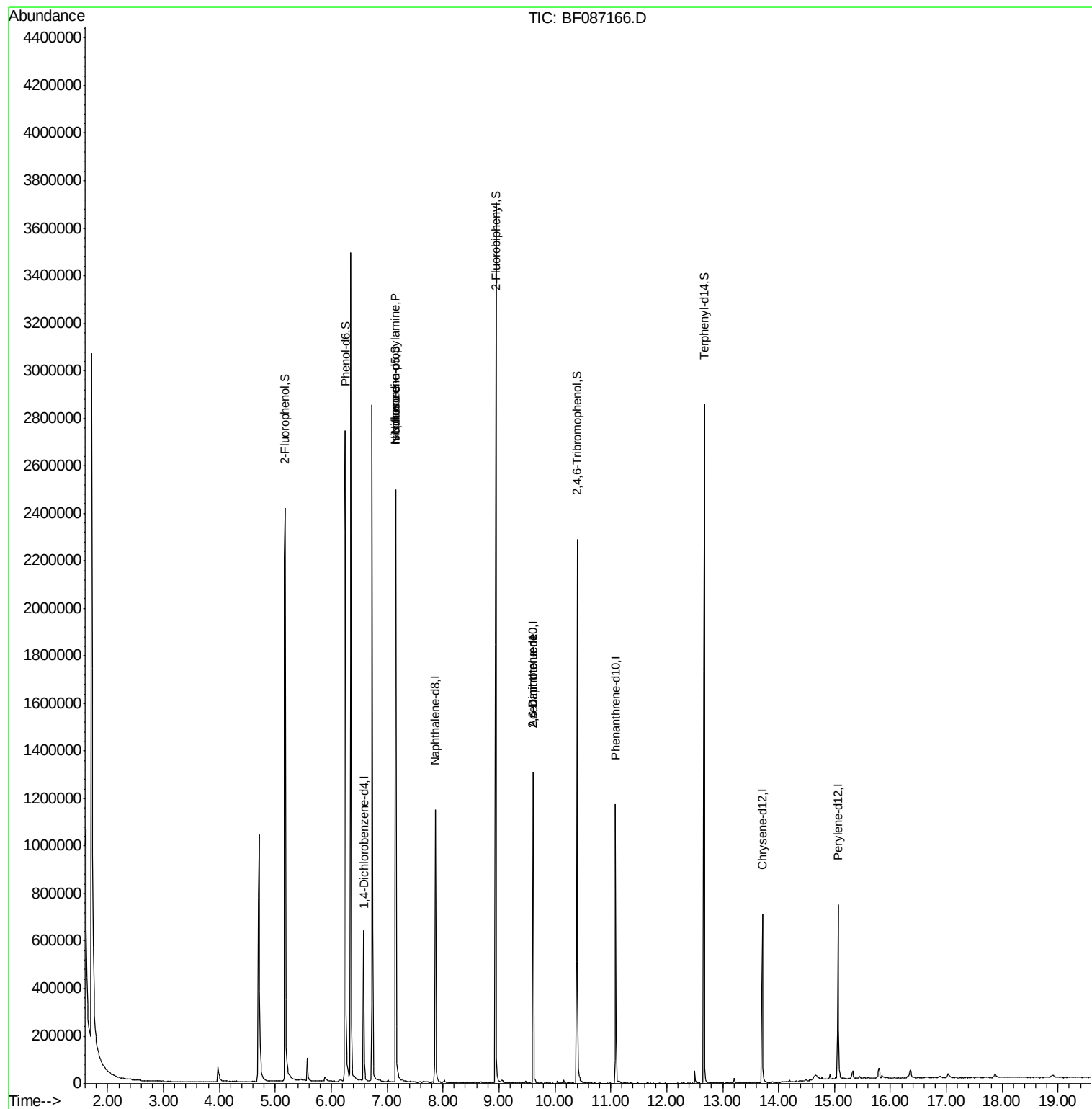
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	128783	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	511532	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	239378	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	407087	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	298760	20.00	ng	-0.05
86) Perylene-d12	15.06	264	296478	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	930782	121.48	ng	-0.02
7) Phenol-d6	6.25	99	1234998	120.18	ng	-0.03
23) Nitrobenzene-d5	7.15	82	805440	78.47	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	252586	95.49	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1276487	88.31	ng	-0.03
78) Terphenyl-d14	12.67	244	1047701	79.33	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.15	70	113834	14.57	ng	# 76
25) Isophorone	7.15	82	631066	33.59	ng	# 68
50) 2,6-Dinitrotoluene	9.61	165	30076	7.59	ng	# 21
56) 2,4-Dinitrotoluene	9.61	165	30076	5.92	ng	# 17

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

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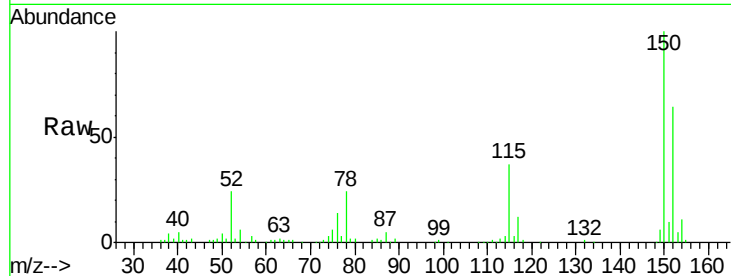
Tgt Ion:152 Resp: 128783

Ion Ratio Lower Upper

152 100

150 155.6 125.8 188.6

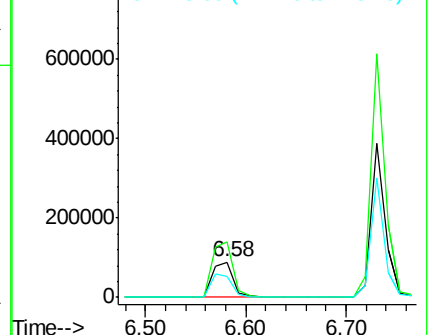
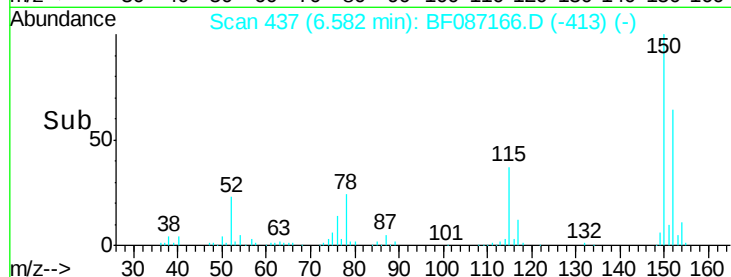
115 58.2 51.5 77.3



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: 121.48 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.02 min

Lab File: BF087166.D

Acq: 19 May 2016 2:52

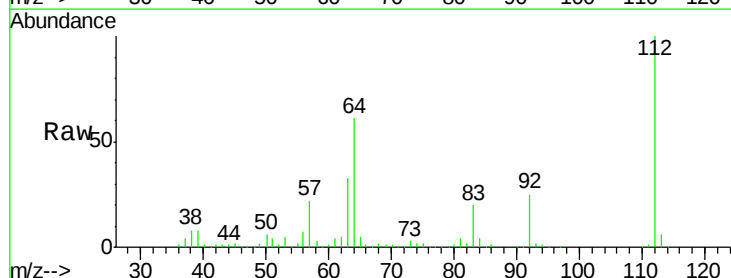
Tgt Ion:112 Resp: 930782

Ion Ratio Lower Upper

112 100

64 61.2 52.1 78.1

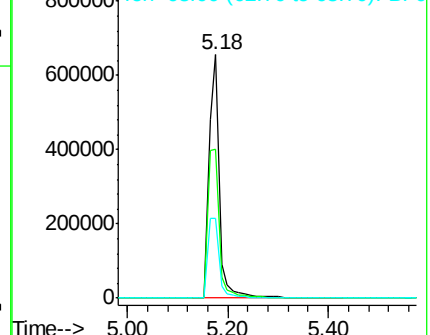
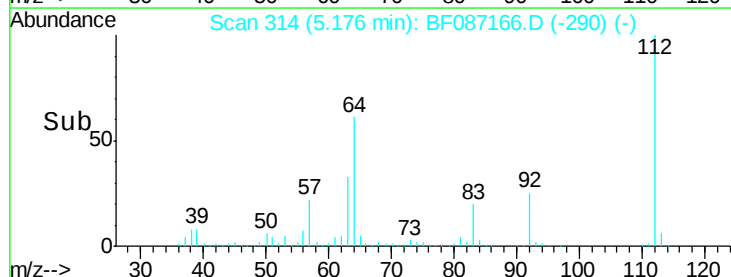
63 33.0 25.7 38.5



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: 120.18 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087166.D

Acq: 19 May 2016 2:52

Instrument :

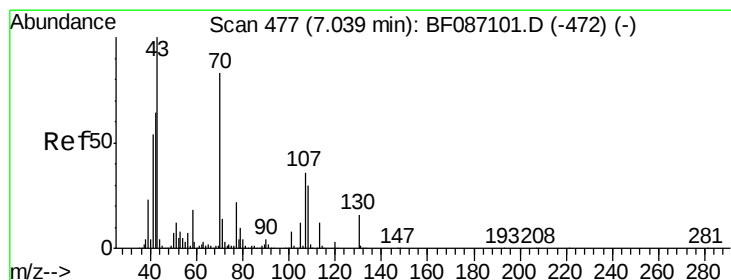
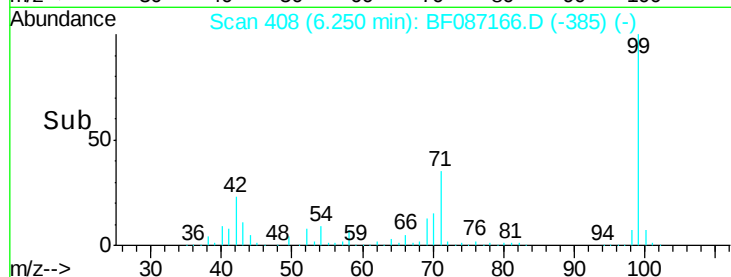
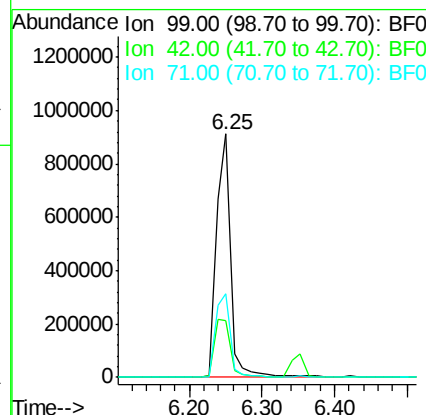
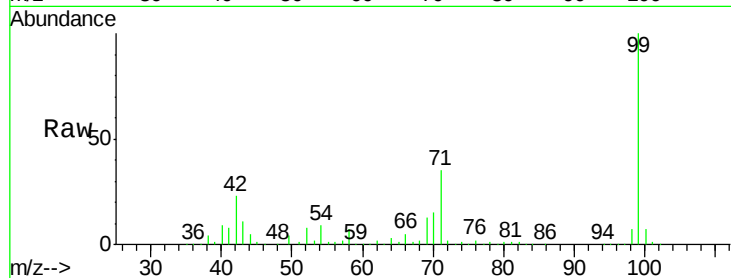
BNA_F

ClientSampleId :

PB90651TB

Tgt Ion: 99 Resp: 1234998

Ion	Ratio	Lower	Upper
99	100		
42	23.1	13.6	20.4#
71	34.5	24.6	36.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.57 ng

RT: 7.15 min Scan# 487

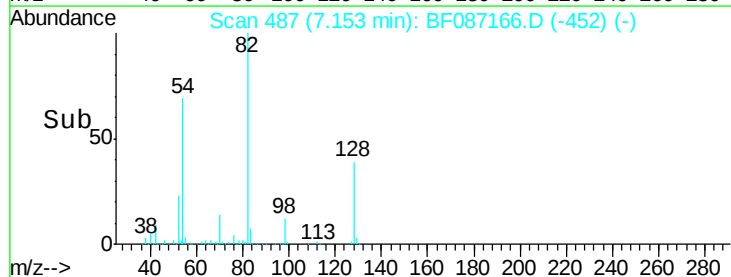
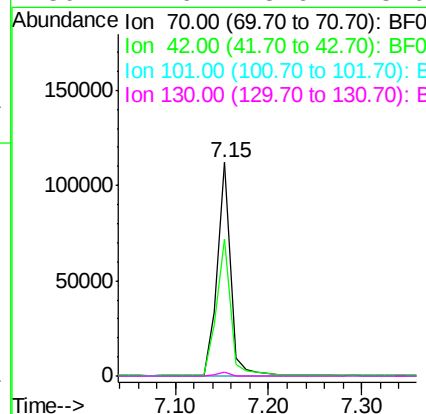
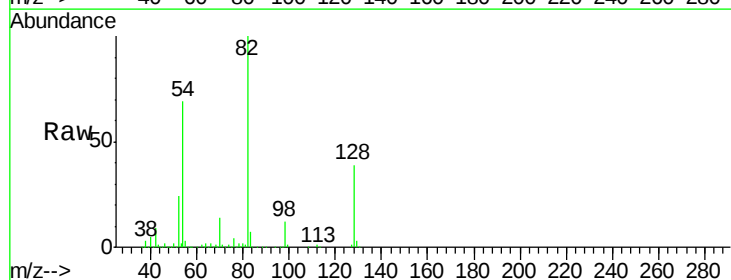
Delta R.T. 0.10 min

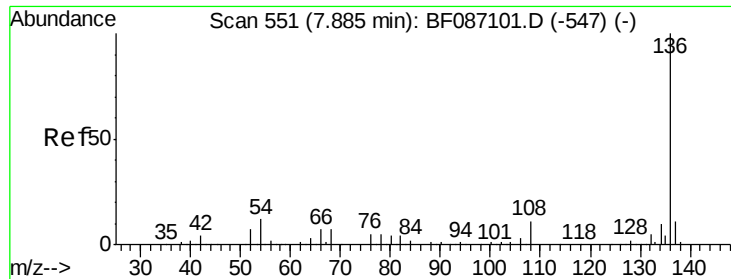
Lab File: BF087166.D

Acq: 19 May 2016 2:52

Tgt Ion: 70 Resp: 113834

Ion	Ratio	Lower	Upper
70	100		
42	64.4	43.1	64.7
101	0.0	8.1	12.1#
130	1.6	18.6	28.0#

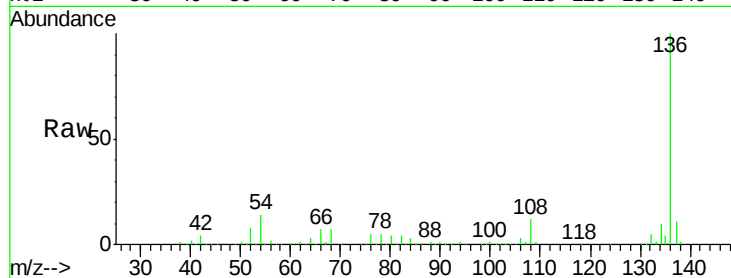




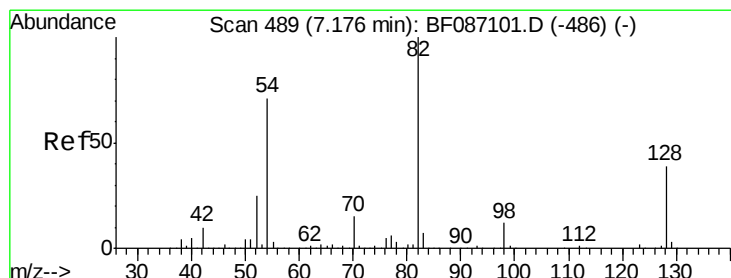
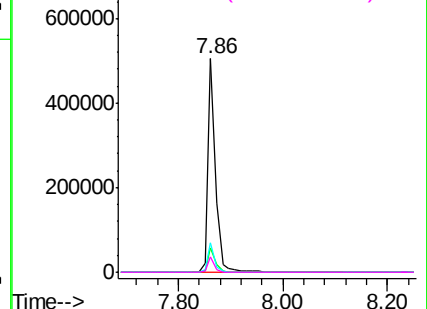
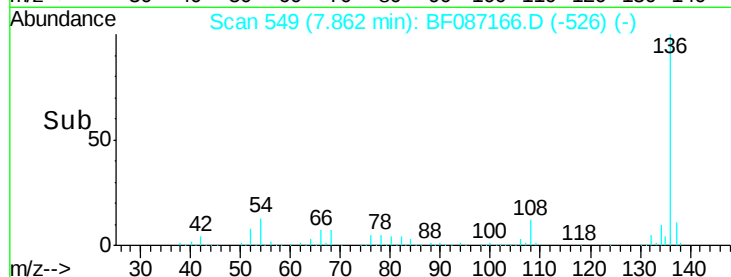
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087166.D
Acq: 19 May 2016 2:52

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Tgt Ion:	136	Resp:	511532
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.6	5.0	7.4#
68	7.1	4.4	6.6#

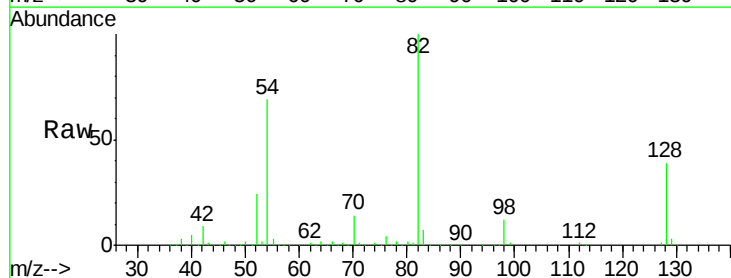


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

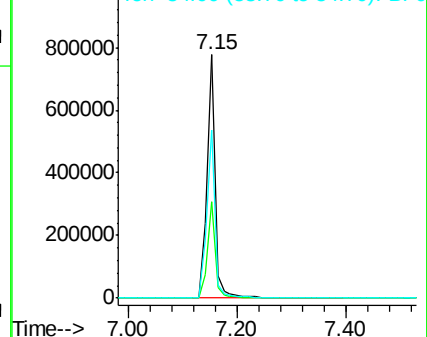
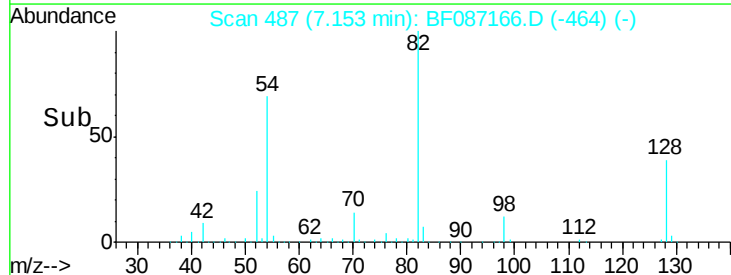


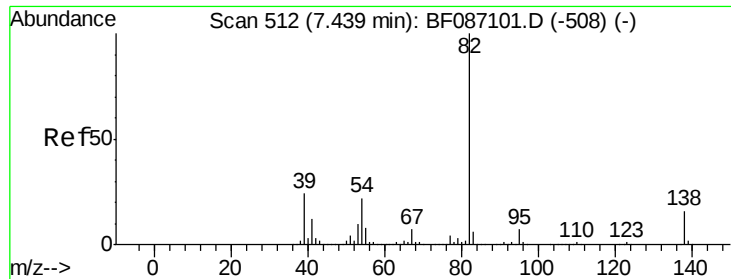
#23
Nitrobenzene-d5
Concen: 78.47 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087166.D
Acq: 19 May 2016 2:52

Tgt Ion:	82	Resp:	805440
Ion	Ratio	Lower	Upper
82	100		
128	39.5	40.6	61.0#
54	69.0	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: 33.59 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087166.D

Acq: 19 May 2016 2:52

Instrument :

BNA_F

ClientSampleID :

PB90651TB

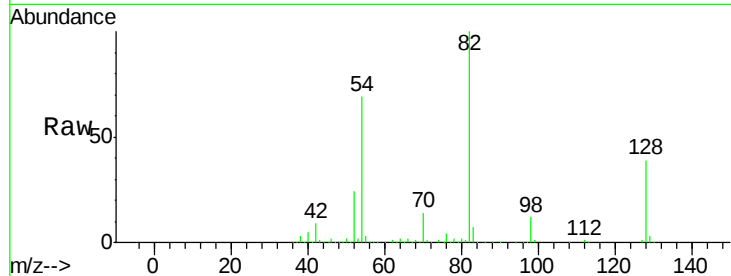
Tgt Ion: 82 Resp: 631066

Ion Ratio Lower Upper

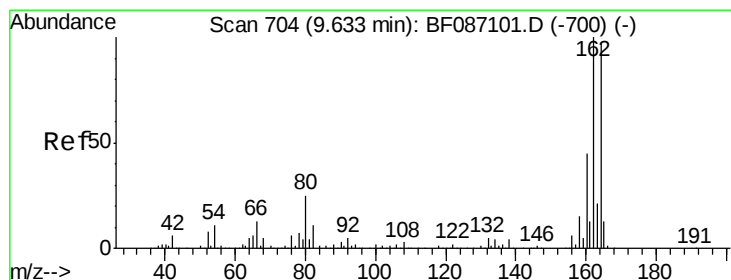
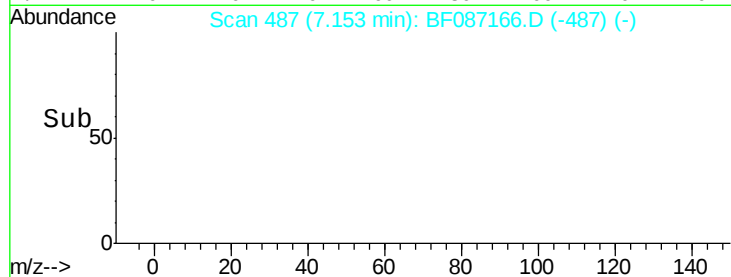
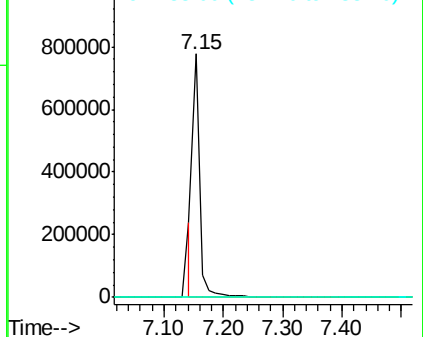
82 100

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: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087166.D

Acq: 19 May 2016 2:52

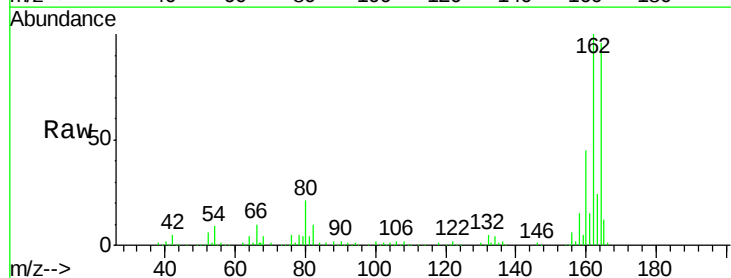
Tgt Ion: 164 Resp: 239378

Ion Ratio Lower Upper

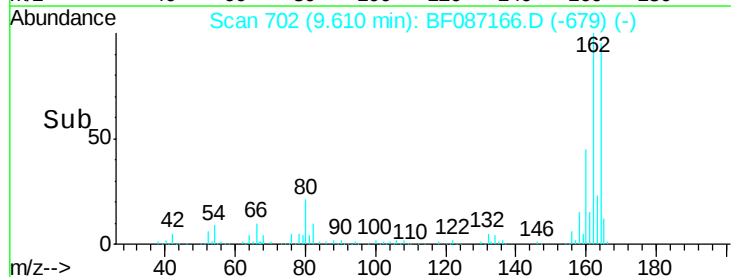
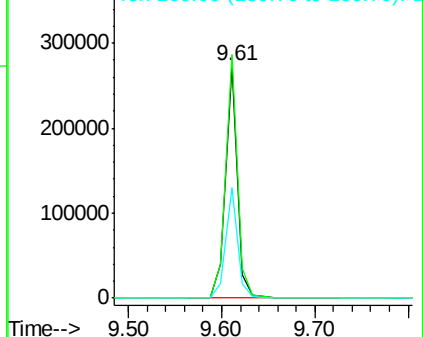
164 100

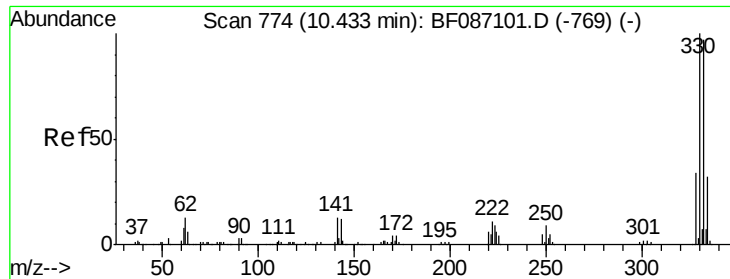
162 104.6 82.8 124.2

160 47.6 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

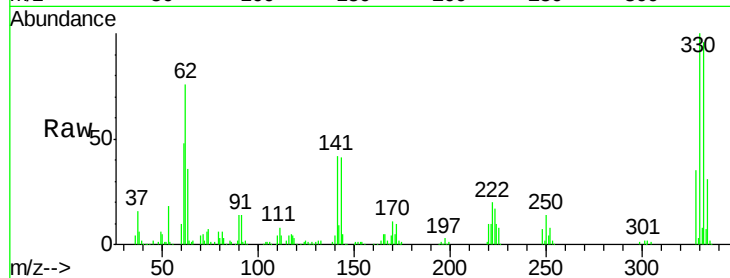




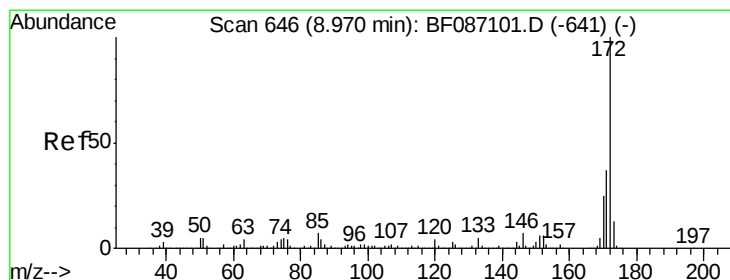
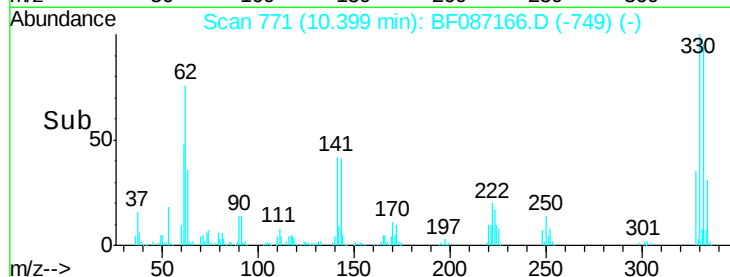
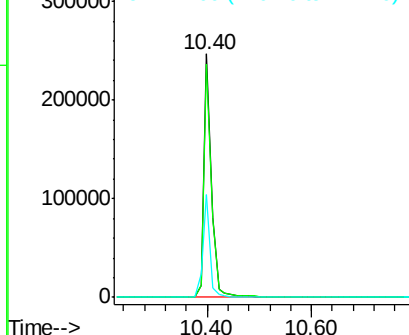
#41
 2,4,6-Tribromophenol
 Concen: 95.49 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087166.D
 Acq: 19 May 2016 2:52

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	39.6	31.2	46.8

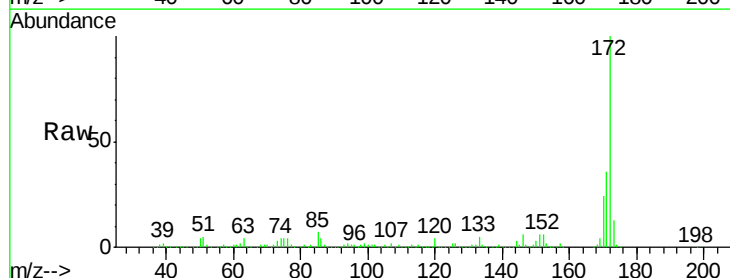


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

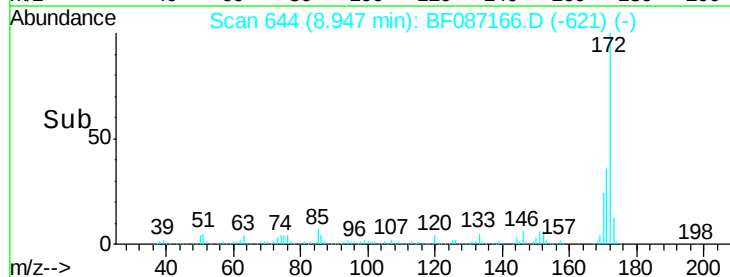
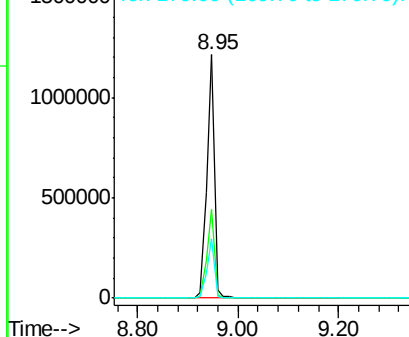


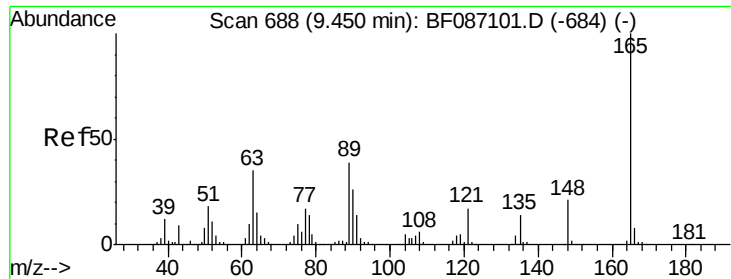
#44
 2-Fluorobiphenyl
 Concen: 88.31 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087166.D
 Acq: 19 May 2016 2:52

Tgt 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

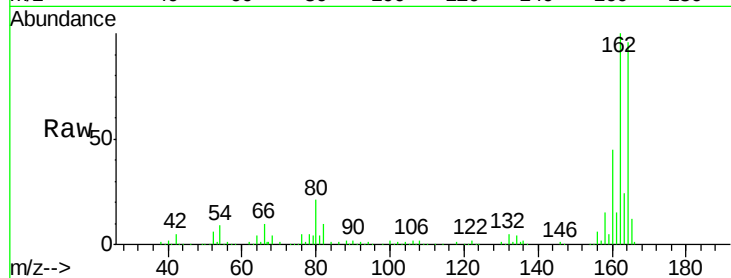




#50
 2,6-Dinitrotoluene
 Concen: 7.59 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.15 min
 Lab File: BF087166.D
 Acq: 19 May 2016 2:52

Instrument :
 BNA_F
 ClientSampleId :
 PB90651TB

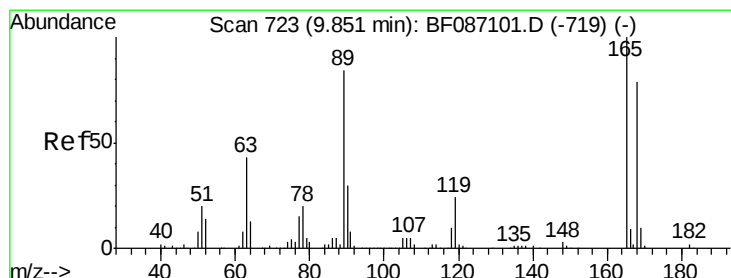
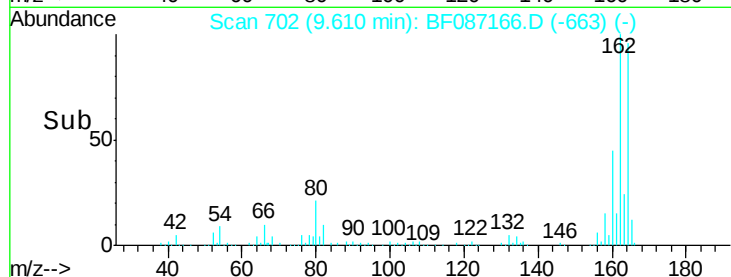
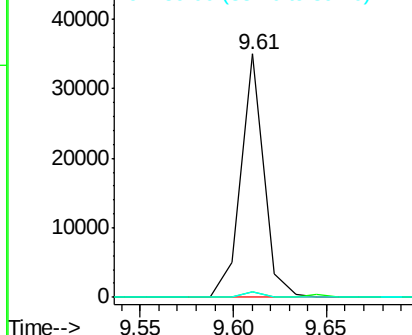
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	51.8	77.8#
89	2.3	50.7	76.1#



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: 5.92 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.25 min
 Lab File: BF087166.D
 Acq: 19 May 2016 2:52

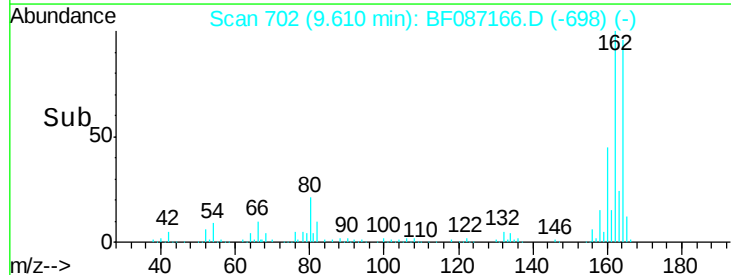
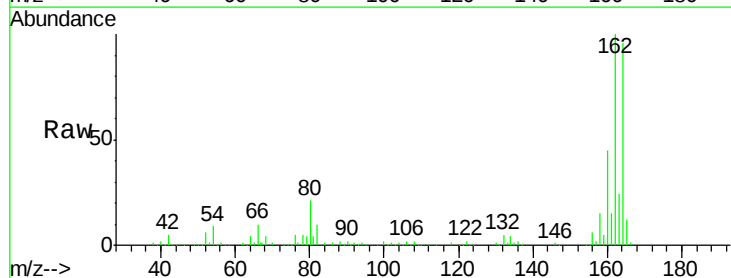
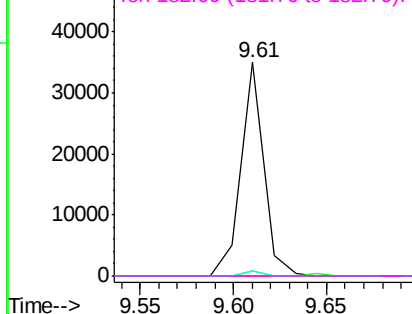
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	44.3	66.5#
89	2.3	70.0	105.0#
182	0.0	1.8	2.6#

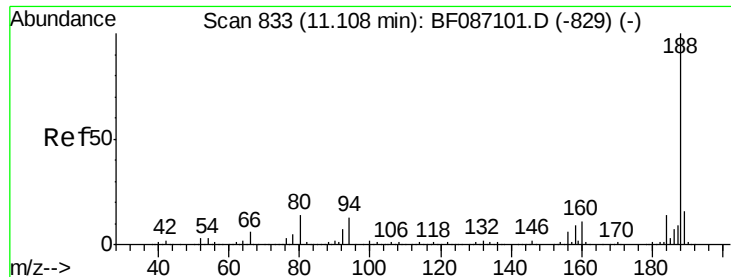
Abundance Ion 165.00 (164.70 to 165.70): E

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

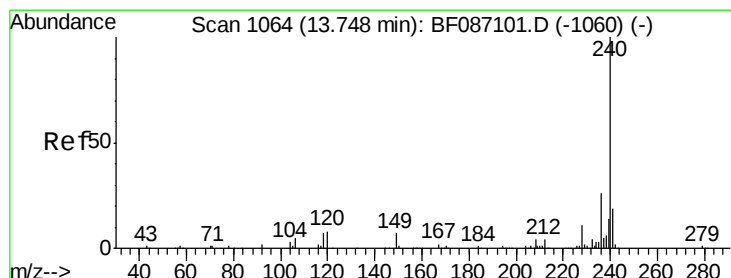
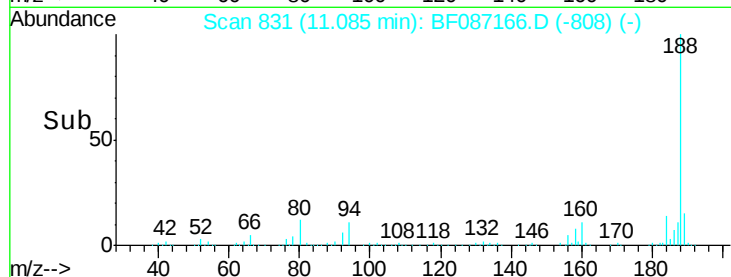
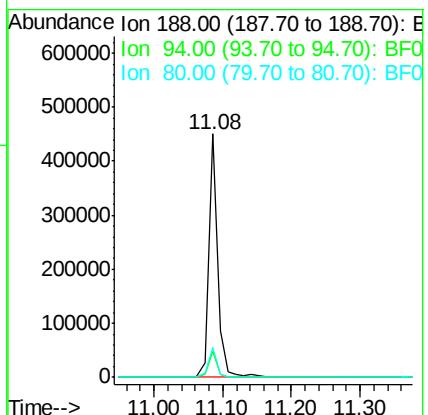
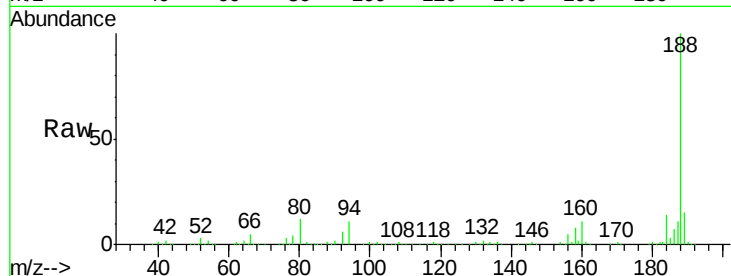




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.03 min
Lab File: BF087166.D
Acq: 19 May 2016 2:52

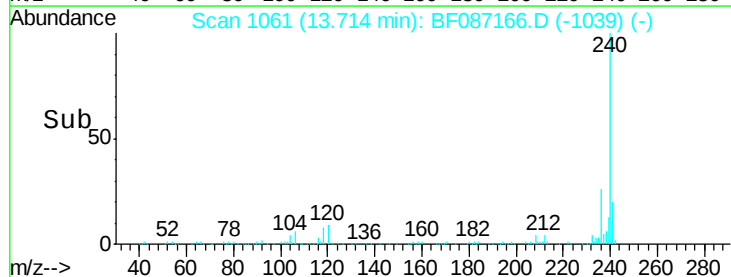
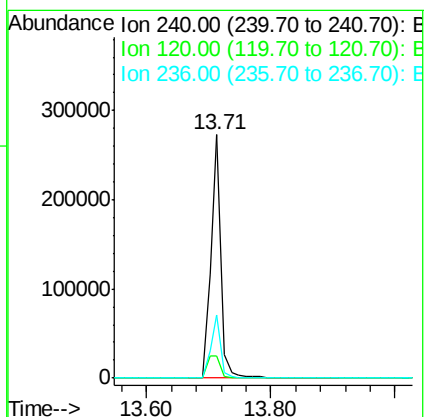
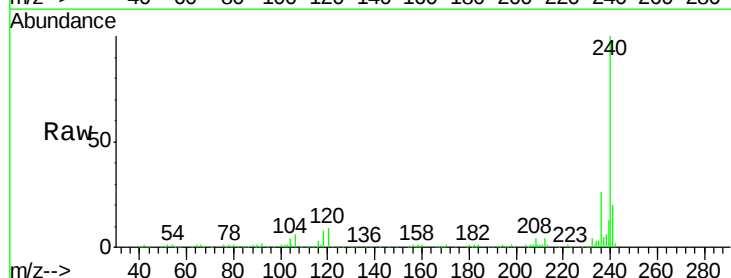
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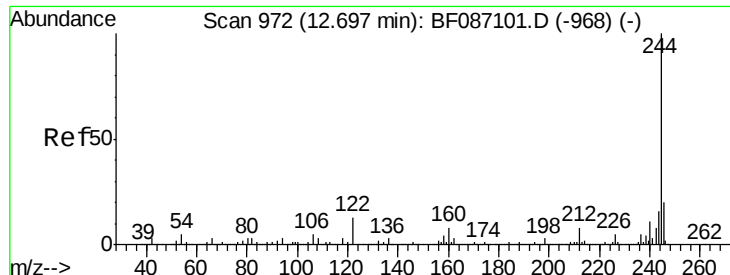
Tgt Ion:188 Resp: 407087
Ion Ratio Lower Upper
188 100
94 10.9 6.8 10.2#
80 12.0 7.1 10.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.05 min
Lab File: BF087166.D
Acq: 19 May 2016 2:52

Tgt Ion:240 Resp: 298760
Ion Ratio Lower Upper
240 100
120 9.0 11.2 16.8#
236 26.1 21.2 31.8





#78

Terphenyl-d14

Concen: 79.33 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087166.D

Acq: 19 May 2016 2:52

Instrument :

BNA_F

ClientSampleId :

PB90651TB

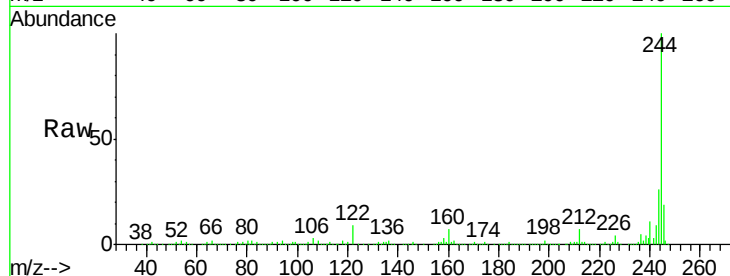
Tgt Ion:244 Resp: 1047701

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

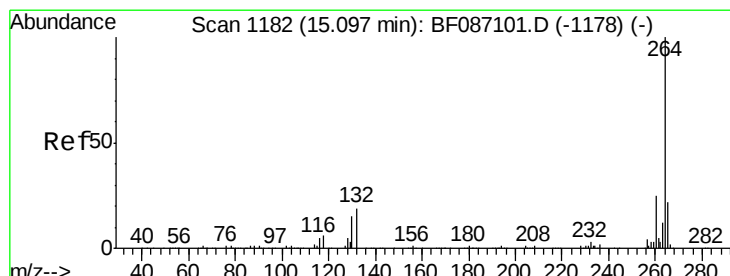
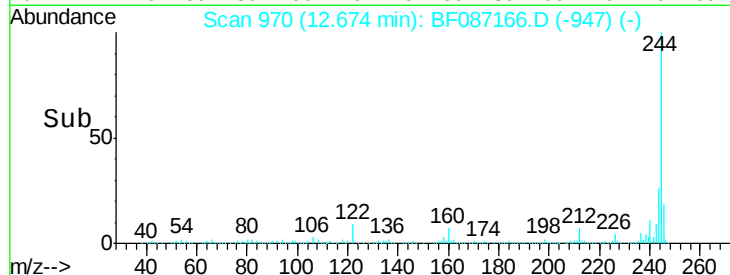
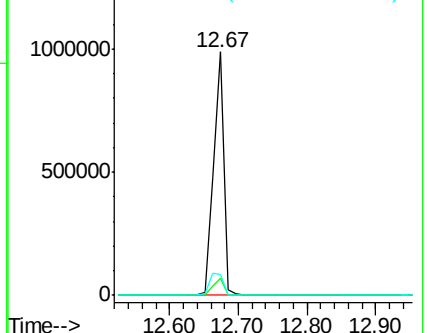
122 8.7 12.0 18.0#



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: 15.06 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF087166.D

Acq: 19 May 2016 2:52

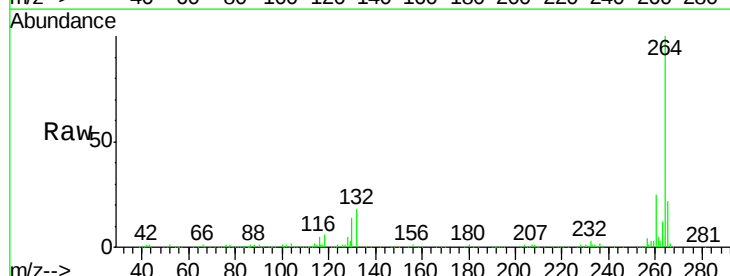
Tgt Ion:264 Resp: 296478

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.5 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

