

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087108.D
 Acq On : 17 May 2016 18:05
 Operator : UM/SJ
 Sample : H3074-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216

Quant Time: May 17 18:29:52 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

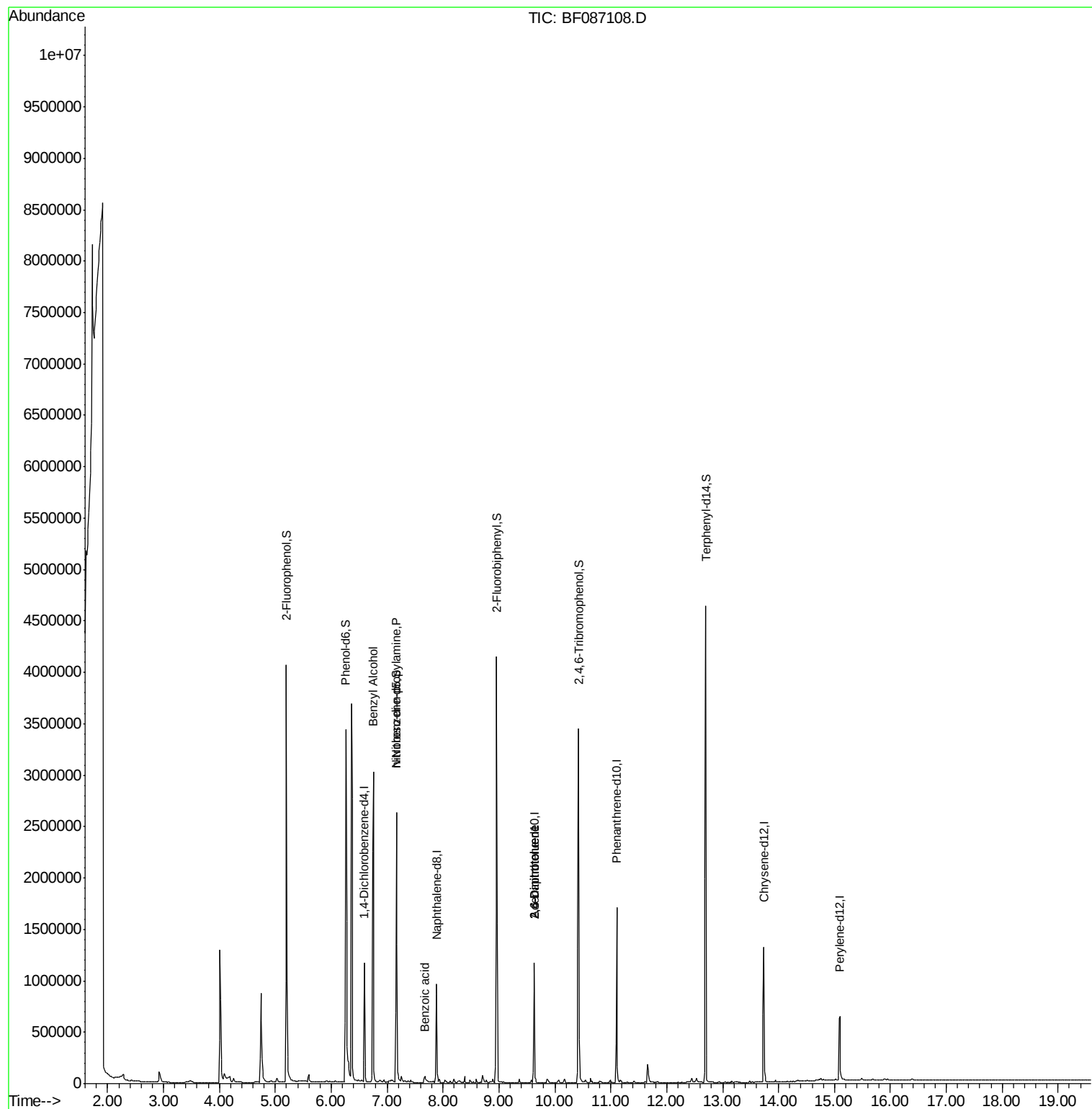
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	152766	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	623870	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	305526	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	587381	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	510159	20.00	ng	-0.02
86) Perylene-d12	15.10	264	332087	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1074531	118.23	ng	0.00
7) Phenol-d6	6.26	99	1339131	109.86	ng	-0.02
23) Nitrobenzene-d5	7.16	82	1049802	83.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	415682	123.12	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1659756	89.97	ng	-0.02
78) Terphenyl-d14	12.70	244	1466850	65.04	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	6.75	79	18912	2.08	ng	# 37
19) n-Nitroso-di-n-propylamine	7.16	70	145246	15.67	ng	# 71
32) Benzoic acid	7.68	122	11793	2.05	ng	# 86
50) 2,6-Dinitrotoluene	9.63	165	37814	7.47	ng	# 21
56) 2,4-Dinitrotoluene	9.63	165	37814	5.83	ng	# 16

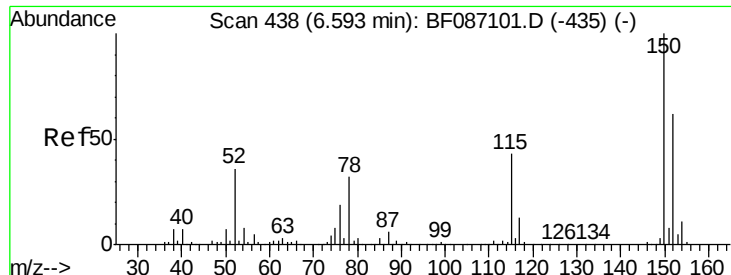
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

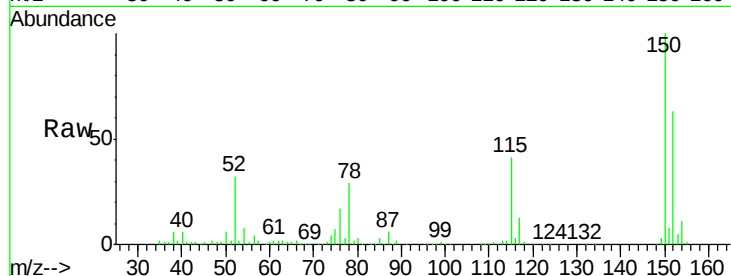
Tot Ion:152 Resp: 152766

Ion Ratio Lower Upper

152 100

150 157.9 125.8 188.6

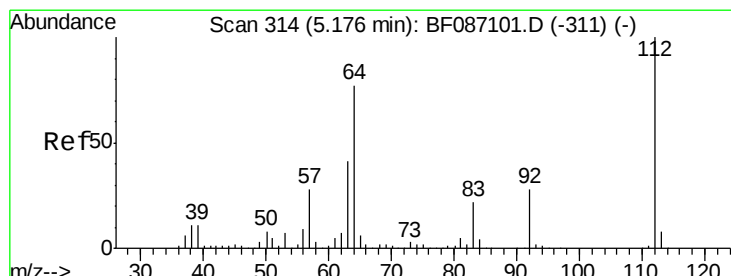
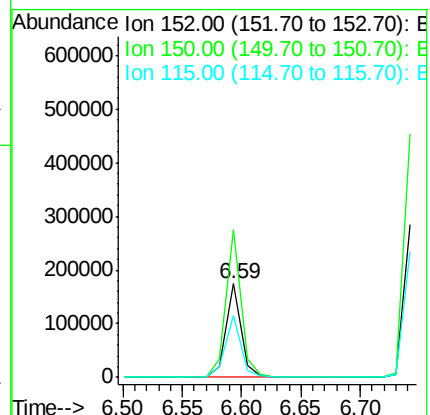
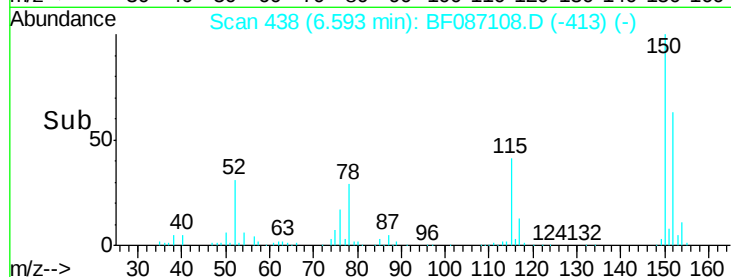
115 65.5 51.5 77.3



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



#5

2-Fluorophenol

Concen: 118.23 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.00 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

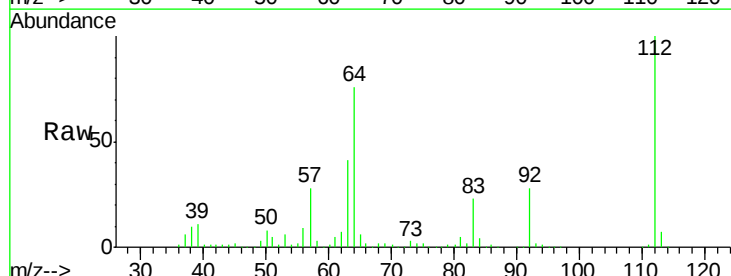
Tgt Ion:112 Resp: 1074531

Ion Ratio Lower Upper

112 100

64 76.1 52.1 78.1

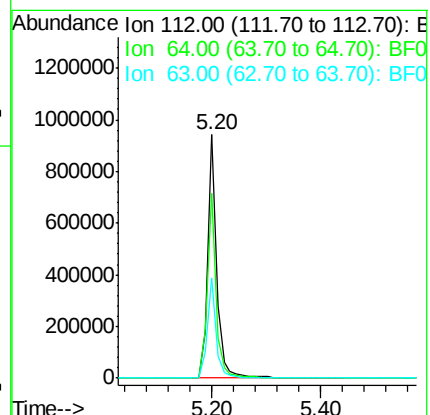
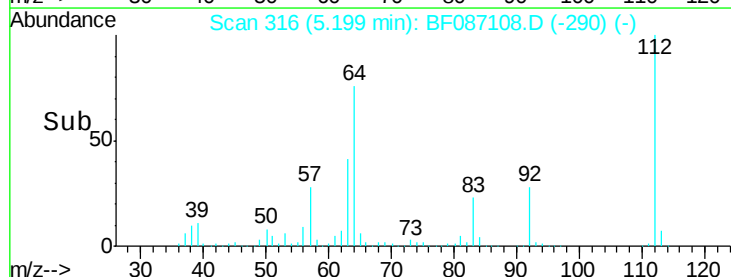
63 41.2 25.7 38.5

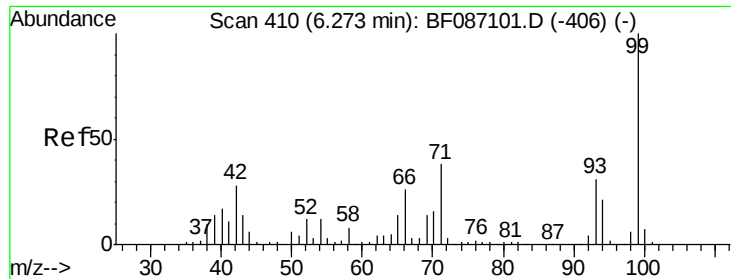


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.86 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

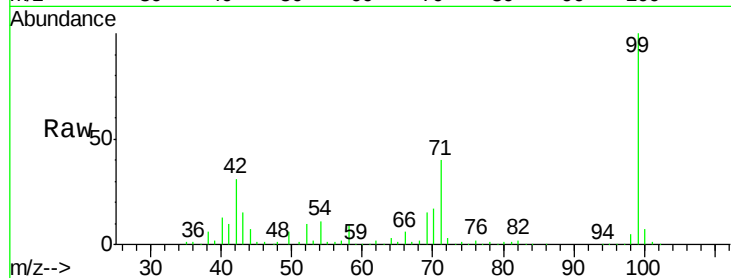
Tot Ion: 99 Resp: 1339131

Ion Ratio Lower Upper

99 100

42 31.3 13.6 20.4#

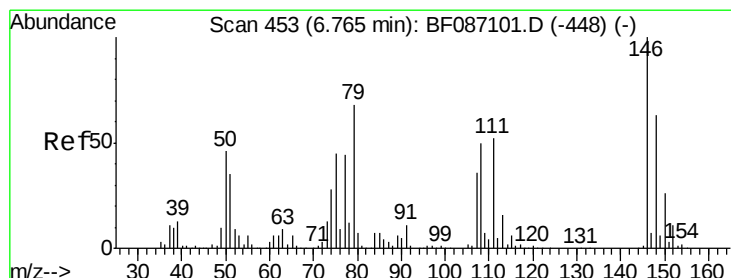
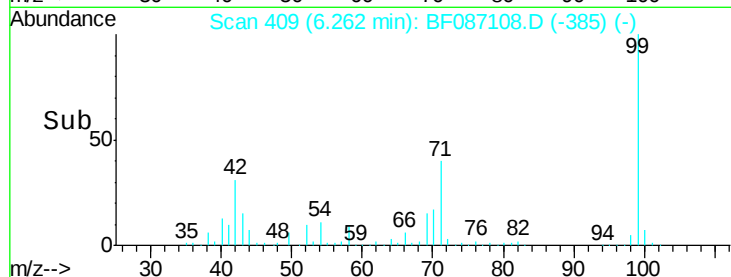
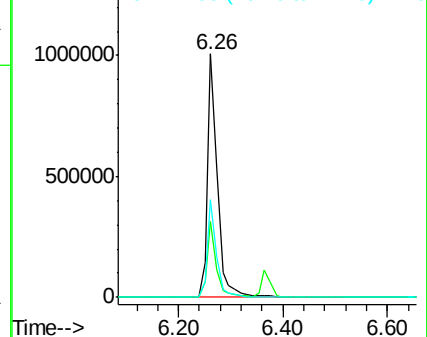
71 40.0 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

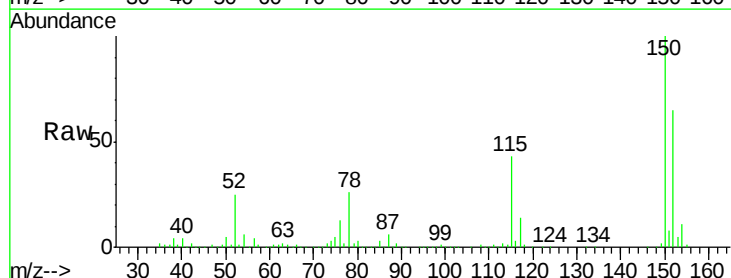
Tgt Ion: 79 Resp: 18912

Ion Ratio Lower Upper

79 100

108 34.4 68.4 102.6#

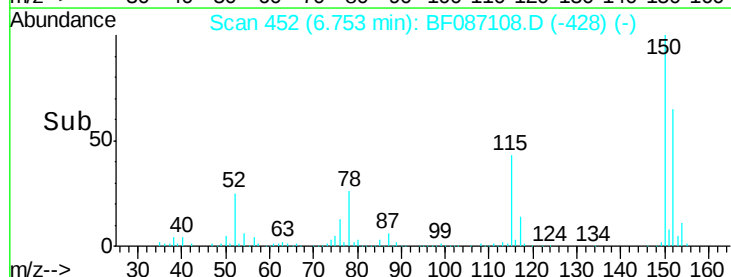
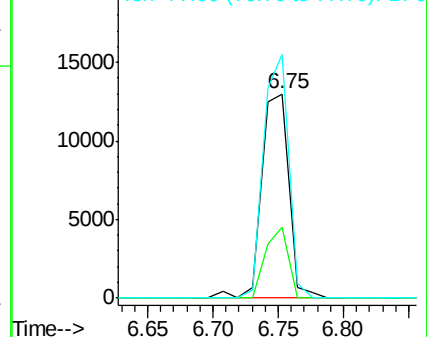
77 119.3 50.6 76.0#

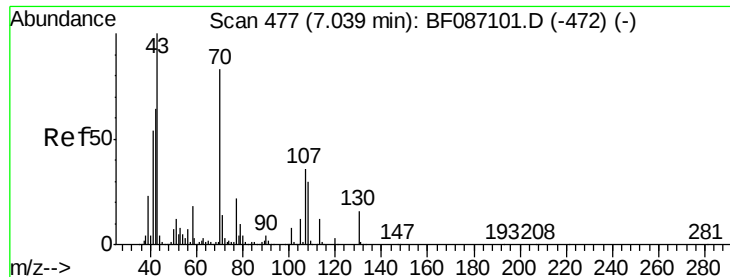


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.67 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.11 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

Tot Ion: 70 Resp: 145246

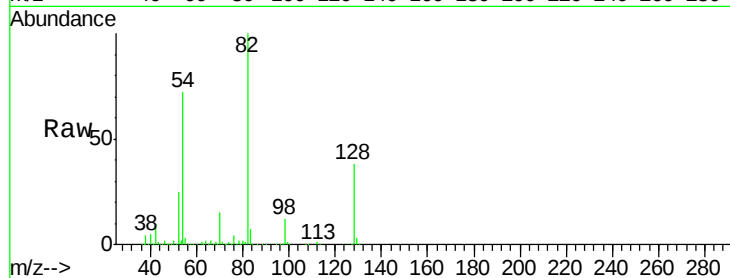
Ion Ratio Lower Upper

70 100

42 69.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

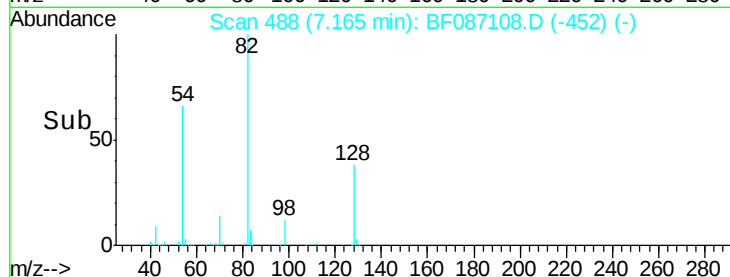
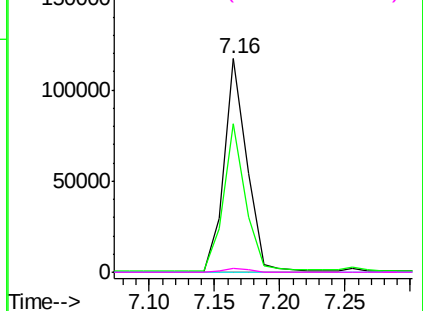


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Tgt Ion:136 Resp: 623870

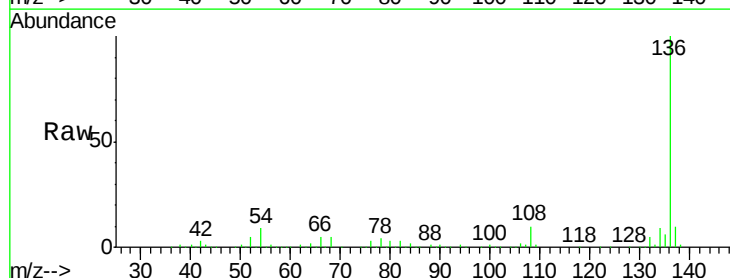
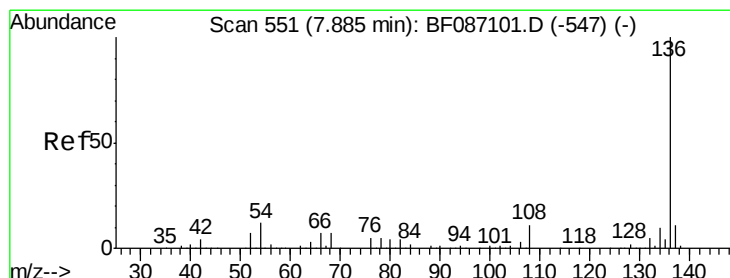
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 8.8 5.0 7.4#

68 5.1 4.4 6.6

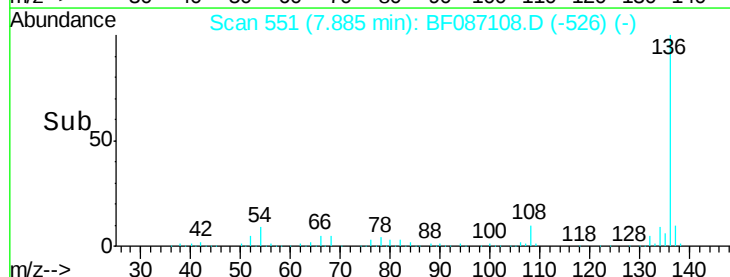
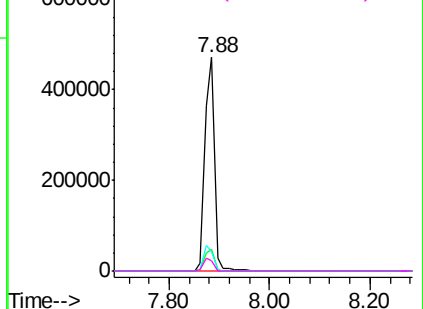


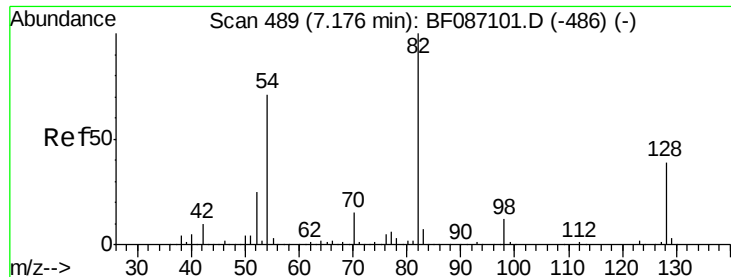
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 83.86 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.02 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

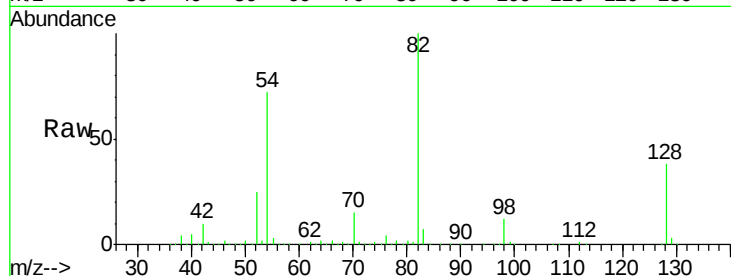
Tot Ion: 82 Resp: 1049802

Ion Ratio Lower Upper

82 100

128 37.8 40.6 61.0#

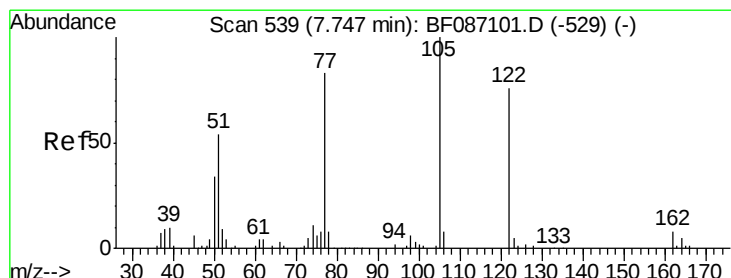
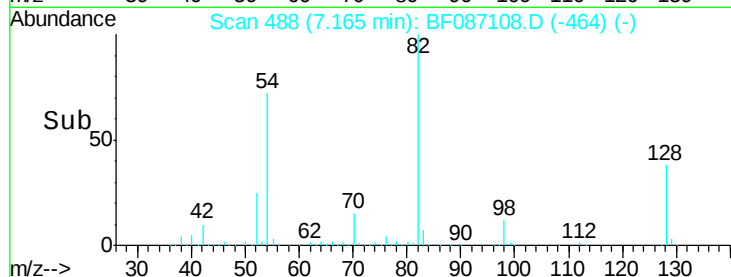
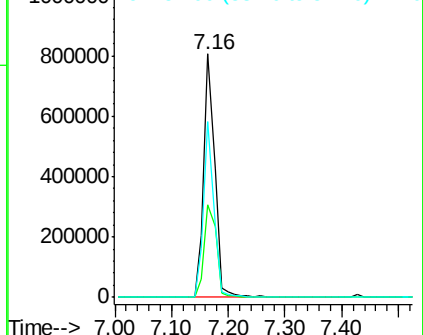
54 72.0 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 2.05 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.07 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

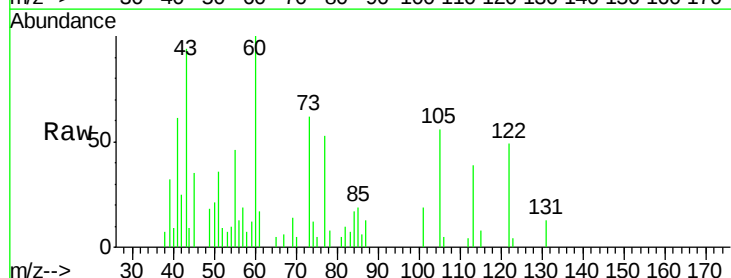
Tgt Ion:122 Resp: 11793

Ion Ratio Lower Upper

122 100

105 114.3 92.6 132.6

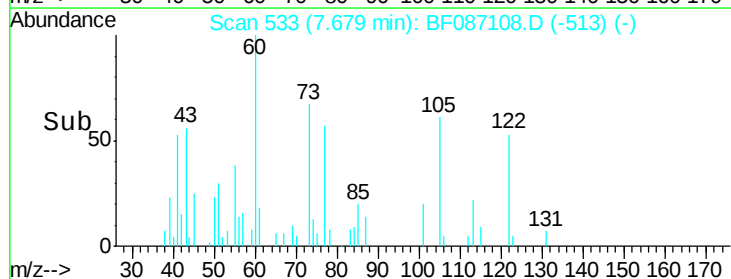
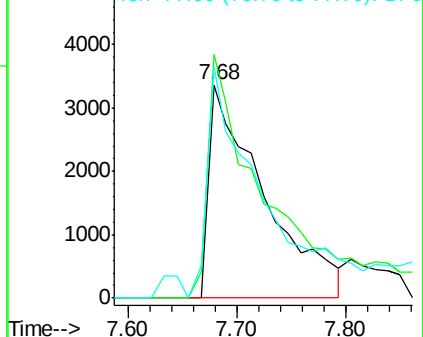
77 108.3 60.0 100.0#

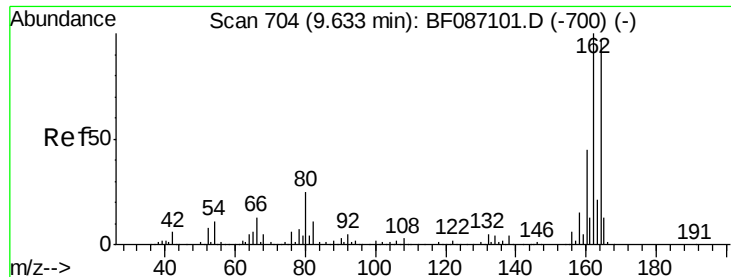


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

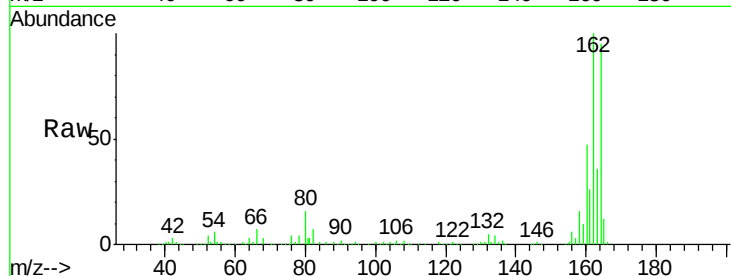
Tot Ion:164 Resp: 305526

Ion Ratio Lower Upper

164 100

162 104.9 82.8 124.2

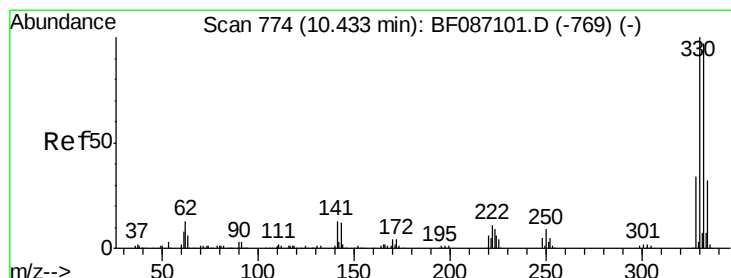
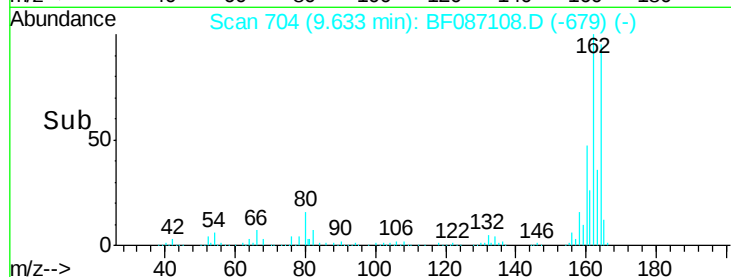
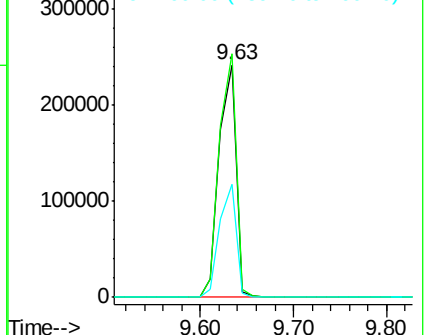
160 48.9 36.9 55.3



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: 123.12 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

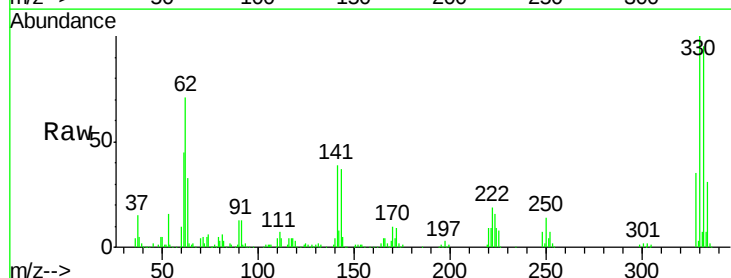
Tgt Ion:330 Resp: 415682

Ion Ratio Lower Upper

330 100

332 96.1 79.0 118.4

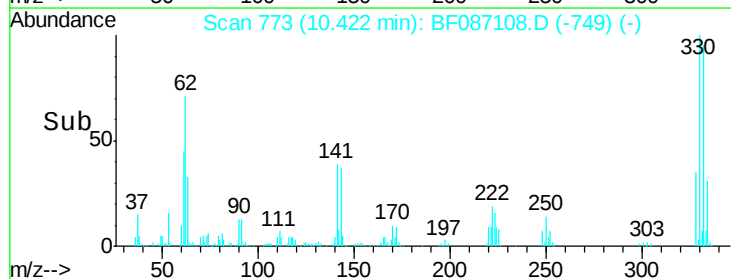
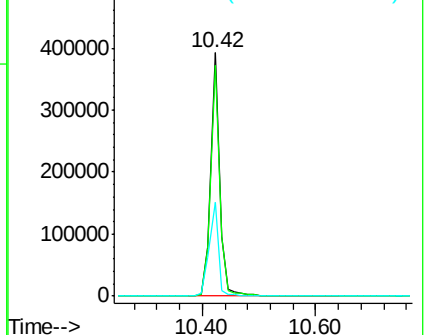
141 39.6 31.2 46.8

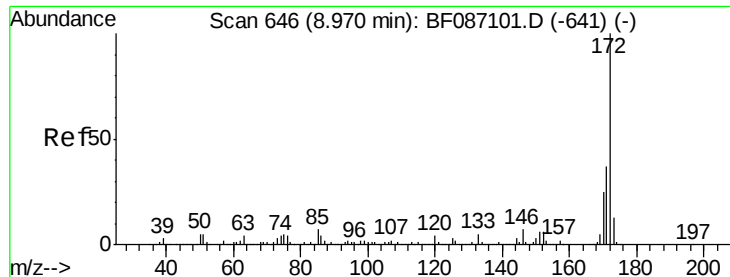


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 89.97 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.02 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

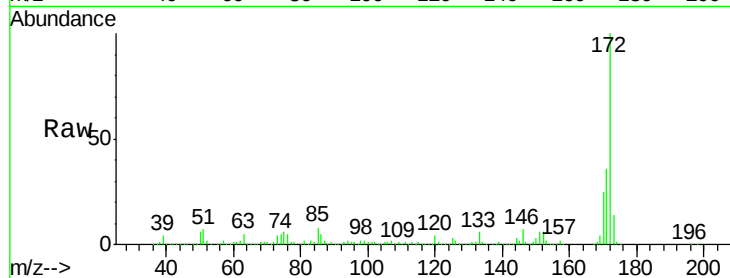
BNA_F

ClientSampleId :

HSR-WC-44-051216

Tot Ion:172 Resp: 1659756

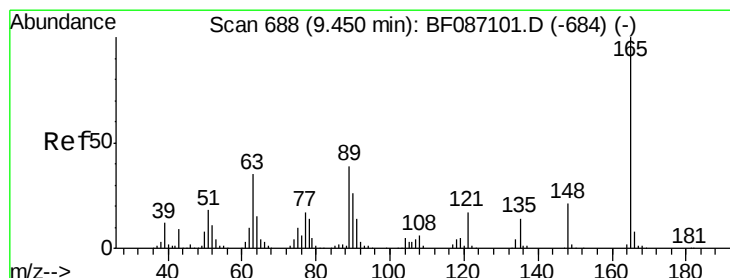
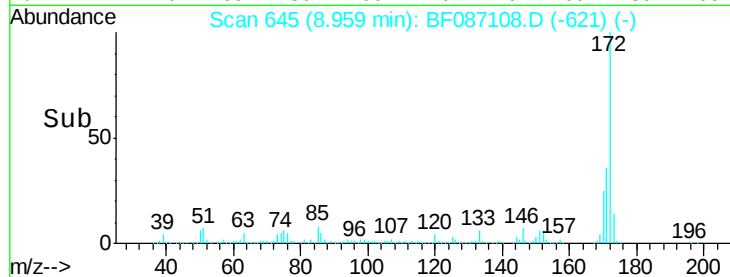
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.6
170	24.6	19.8	29.8



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: 7.47 ng

RT: 9.63 min Scan# 704

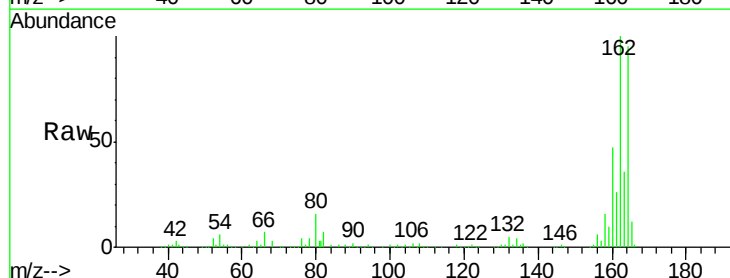
Delta R.T. 0.17 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Tgt Ion:165 Resp: 37814

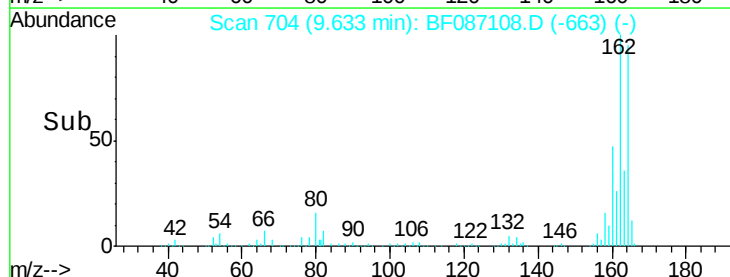
Ion	Ratio	Lower	Upper
165	100		
63	2.1	51.8	77.8#
89	2.3	50.7	76.1#

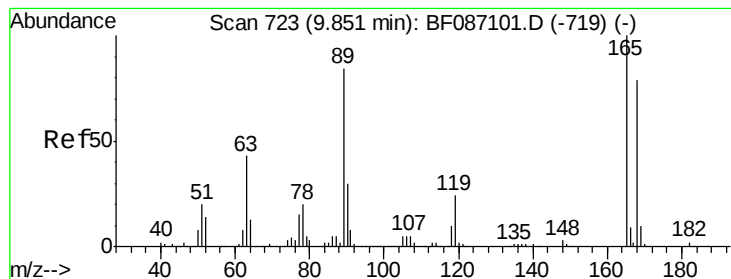


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

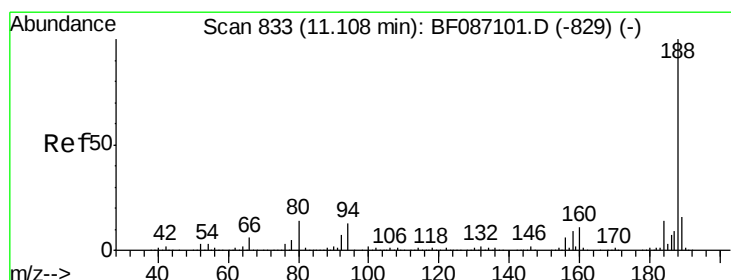
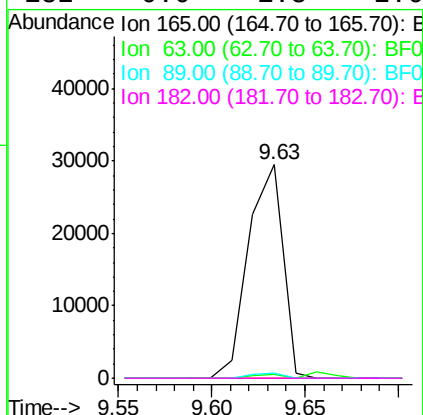
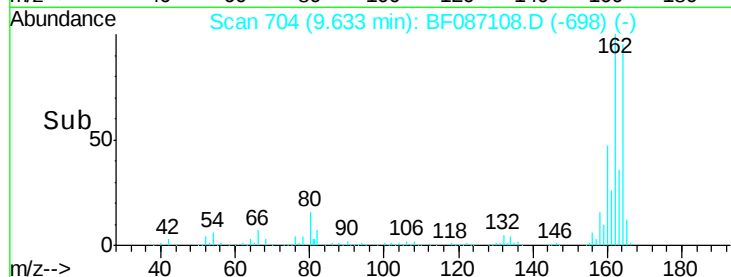
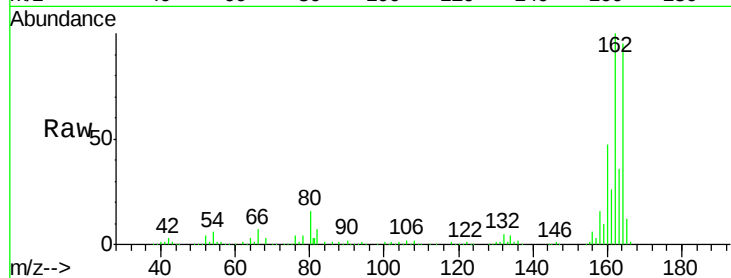




#56
 2,4-Dinitrotoluene
 Concen: 5.83 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.23 min
 Lab File: BF087108.D
 Acq: 17 May 2016 18:05

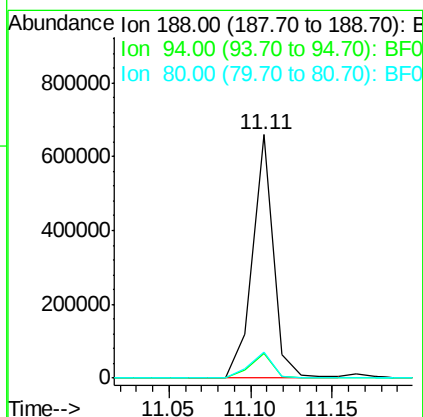
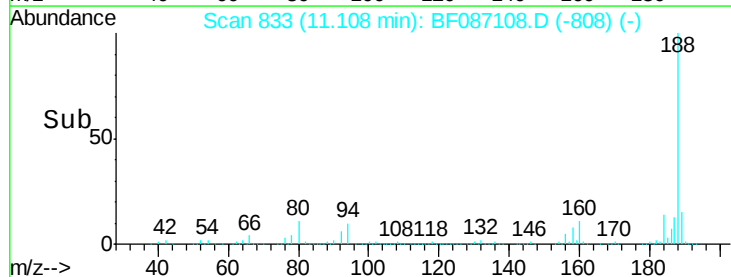
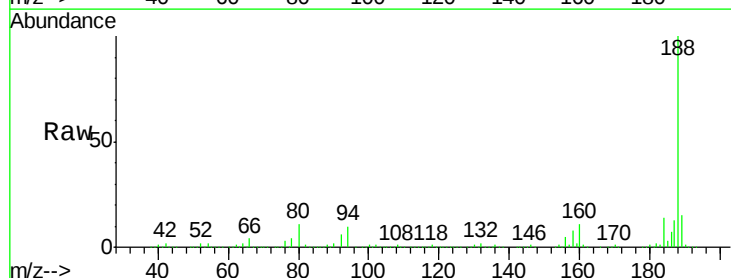
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-44-051216

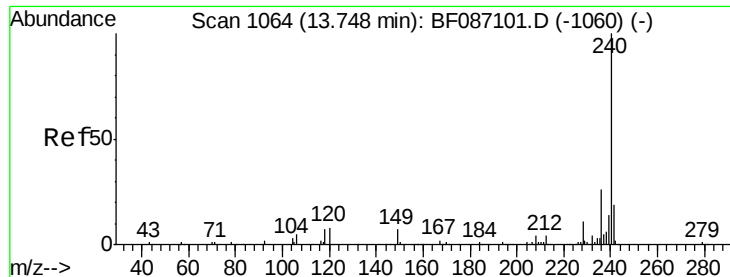
Tot Ion:165 Resp: 37814
 Ion Ratio Lower Upper
 165 100
 63 2.1 44.3 66.5#
 89 2.3 70.0 105.0#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF087108.D
 Acq: 17 May 2016 18:05

Tgt Ion:188 Resp: 587381
 Ion Ratio Lower Upper
 188 100
 94 10.0 6.8 10.2
 80 10.8 7.1 10.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

Instrument :

BNA_F

ClientSampleId :

HSR-WC-44-051216

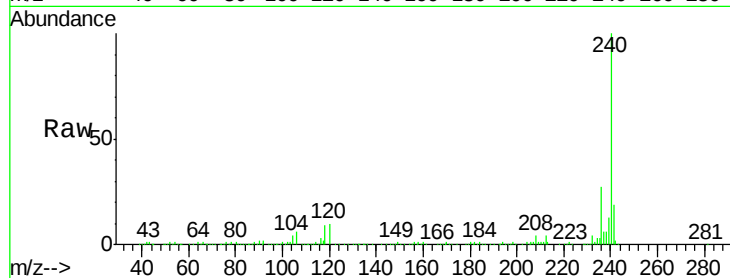
Tot Ion:240 Resp: 510159

Ion Ratio Lower Upper

240 100

120 9.9 11.2 16.8#

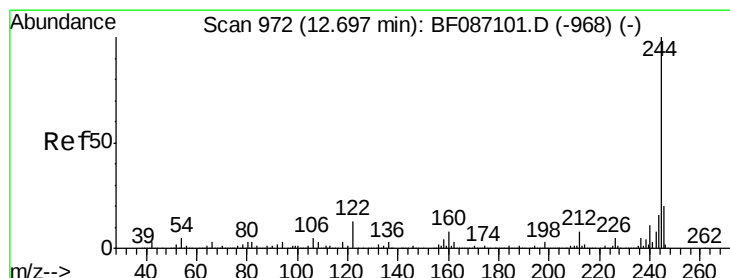
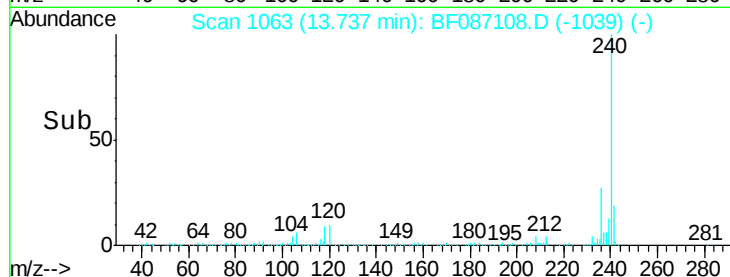
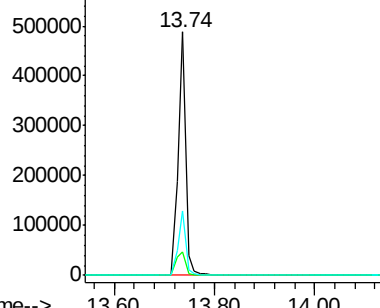
236 26.6 21.2 31.8



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



#78

Terphenyl-d14

Concen: 65.04 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087108.D

Acq: 17 May 2016 18:05

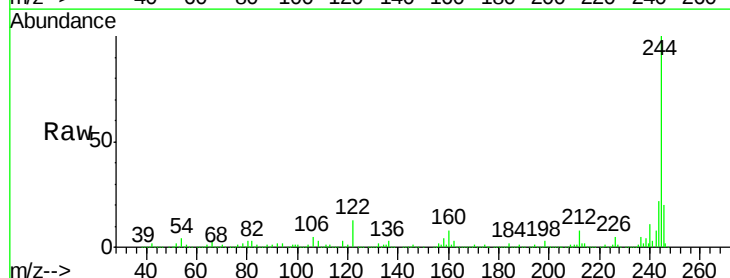
Tgt Ion:244 Resp: 1466850

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

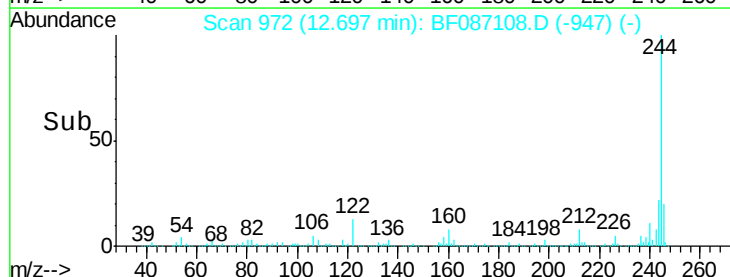
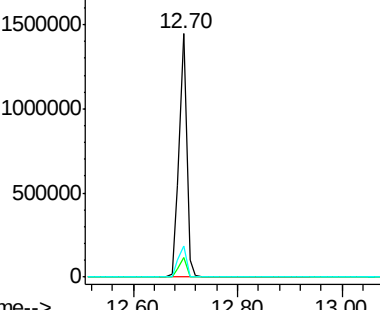
122 12.7 12.0 18.0

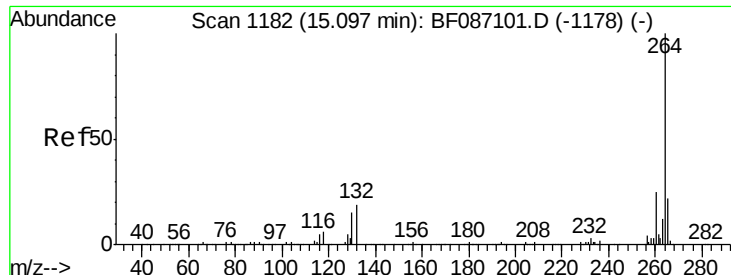


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

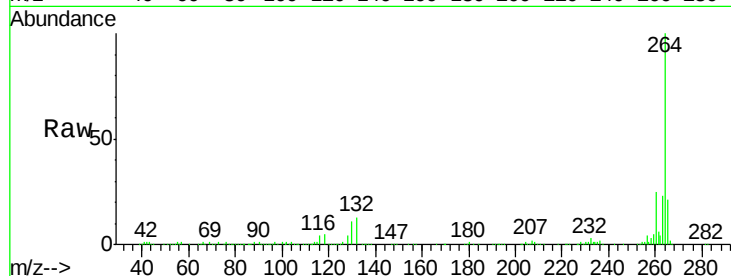




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF087108.D
Acq: 17 May 2016 18:05

Instrument :
BNA_F
ClientSampleId :
HSR-WC-44-051216

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.2	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

