

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087219.D
 Acq On : 20 May 2016 8:34
 Operator : UM/SJ
 Sample : H3166-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-113

Quant Time: May 20 14:43:52 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	6.57	152	127665	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	509982	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	223517	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	350255	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	253922	20.00	ng	-0.06
86) Perylene-d12	15.06	264	241683	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	637901	83.99	ng	-0.05
7) Phenol-d6	6.24	99	545668	53.57	ng	-0.05
23) Nitrobenzene-d5	7.14	82	916056	89.52	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	368315	149.12	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1428318	105.83	ng	-0.05
78) Terphenyl-d14	12.66	244	944045	84.10	ng	-0.05

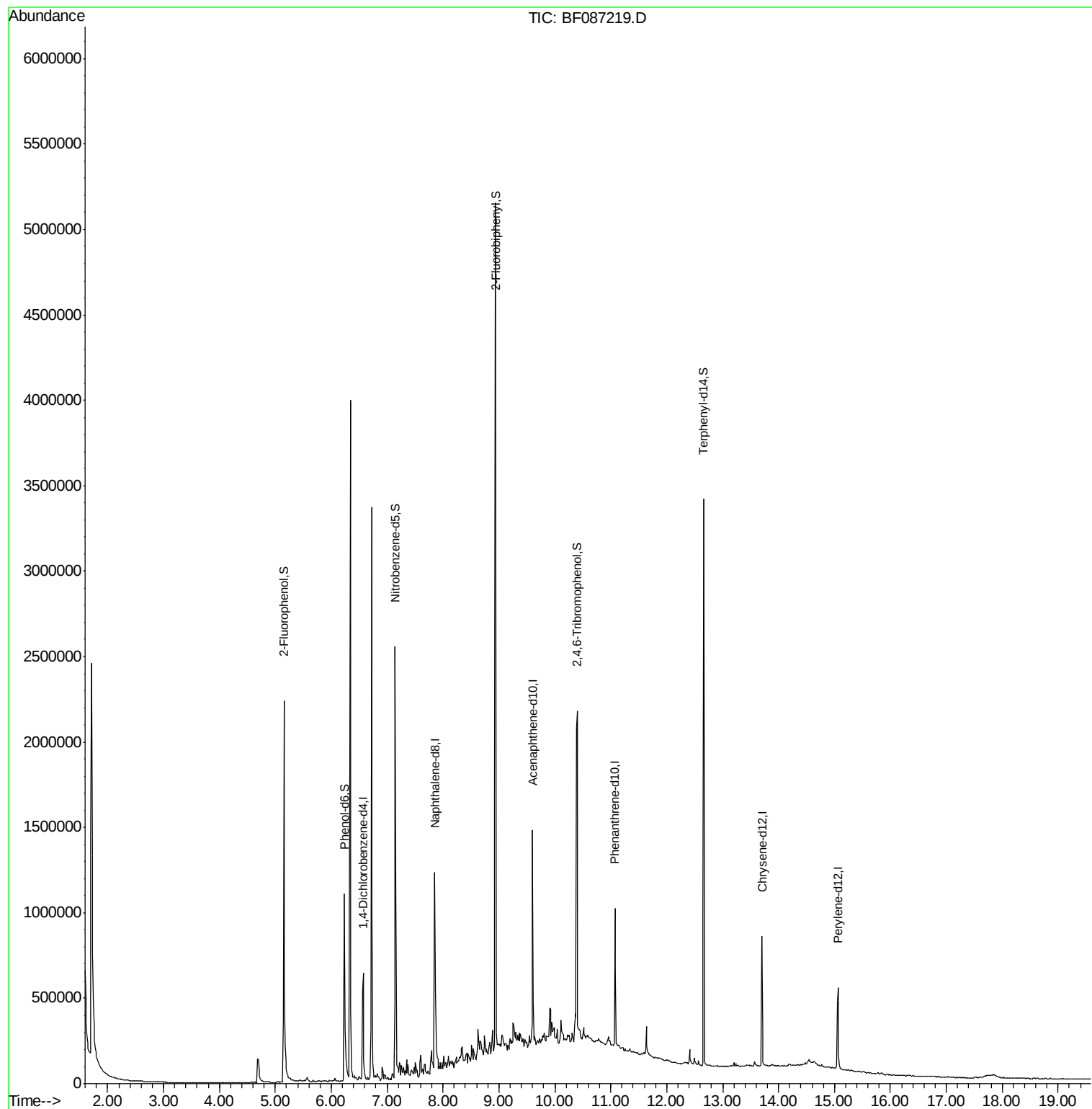
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

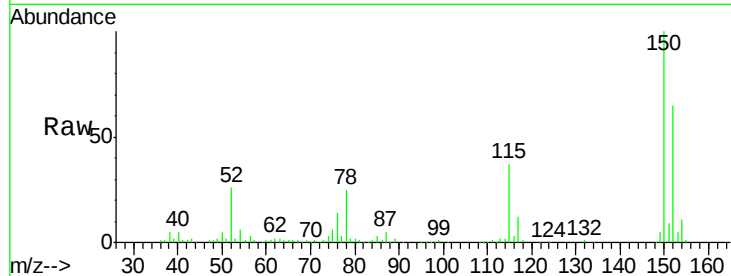
Tgt Ion:152 Resp: 127665

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.6

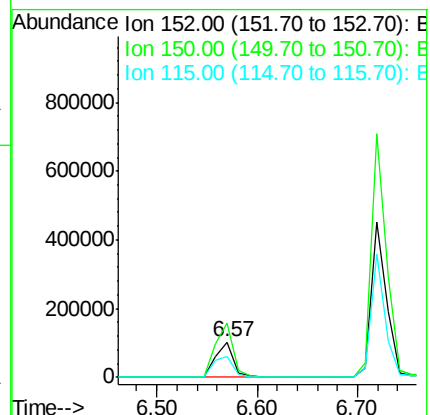
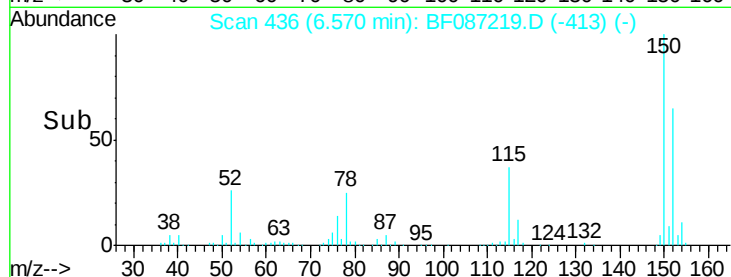
115 57.6 51.5 77.3



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: 83.99 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

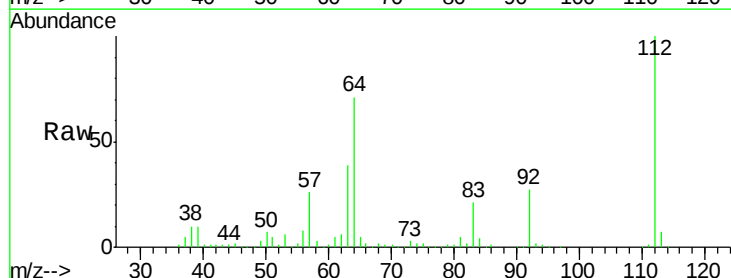
Tgt Ion:112 Resp: 637901

Ion Ratio Lower Upper

112 100

64 70.8 52.1 78.1

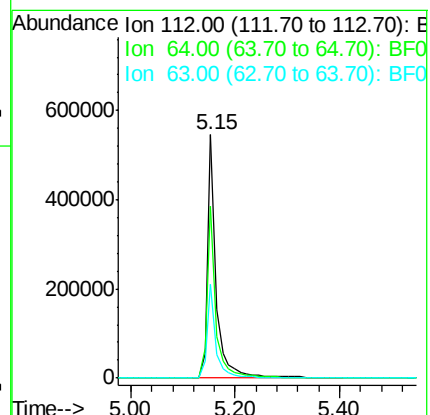
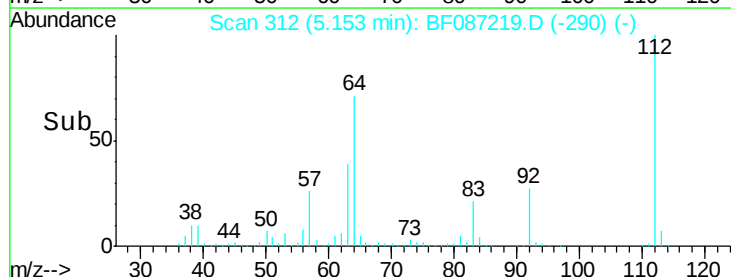
63 38.7 25.7 38.5#



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: 53.57 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

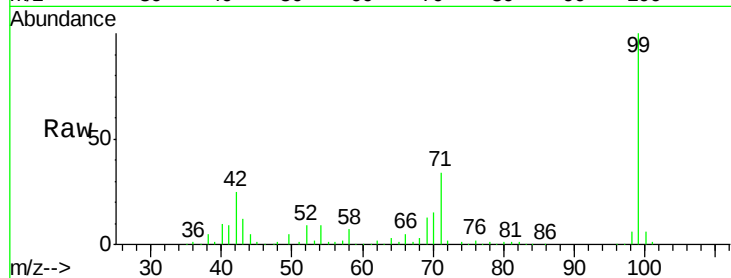
Tgt Ion: 99 Resp: 545668

Ion Ratio Lower Upper

99 100

42 24.7 13.6 20.4#

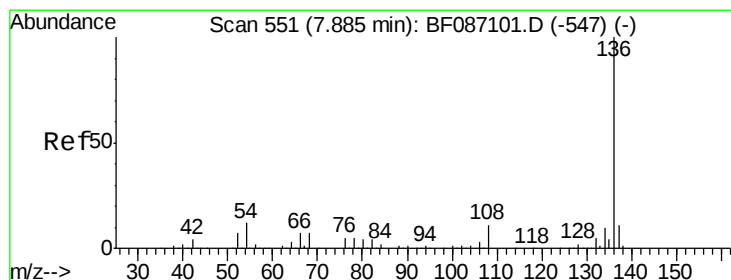
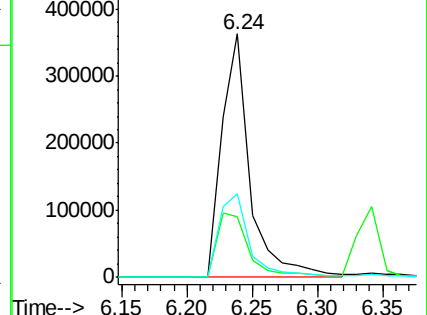
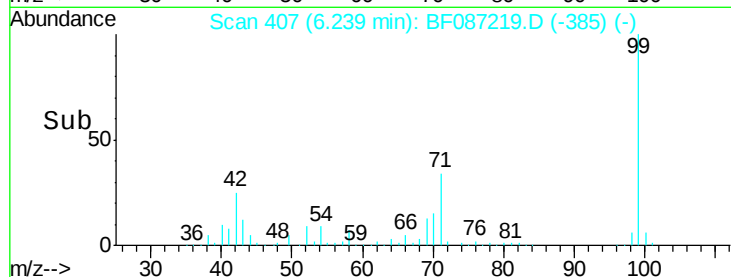
71 34.3 24.6 36.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Tgt Ion: 136 Resp: 509982

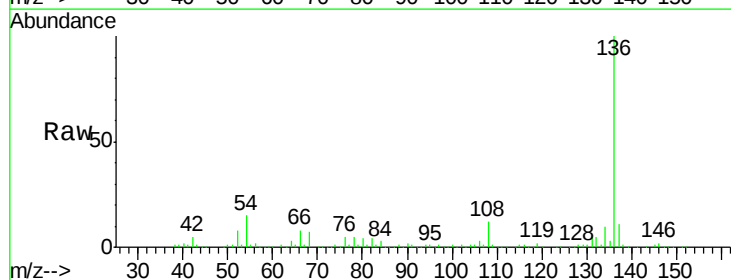
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 14.6 5.0 7.4#

68 7.4 4.4 6.6#

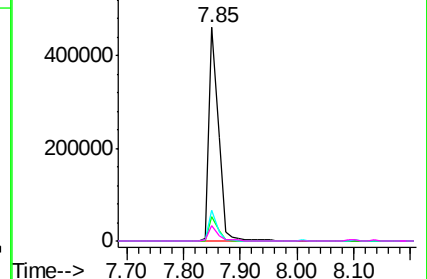
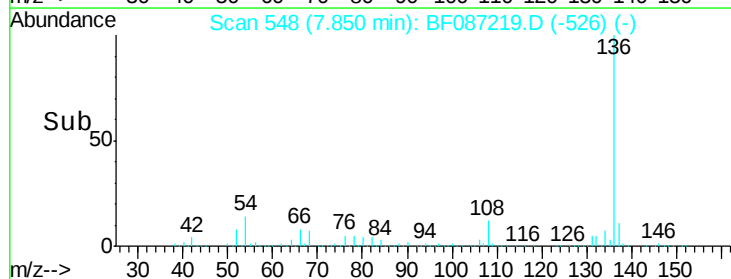


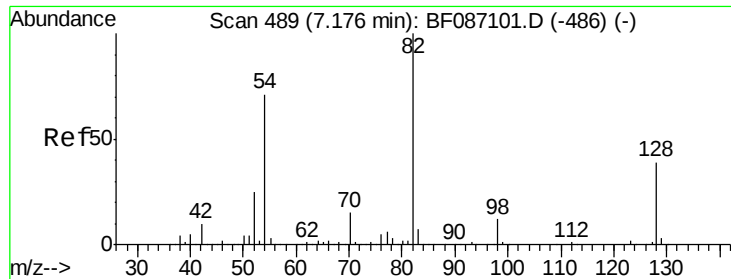
Abundance Ion 136.00 (135.70 to 136.70): E

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

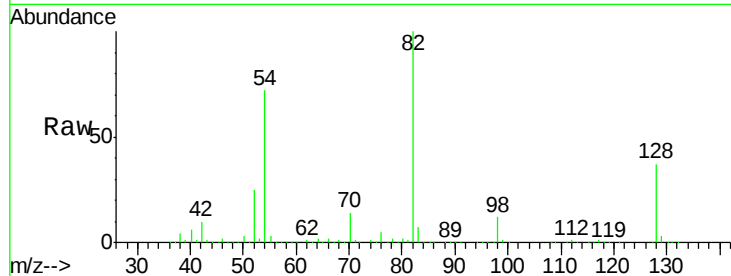




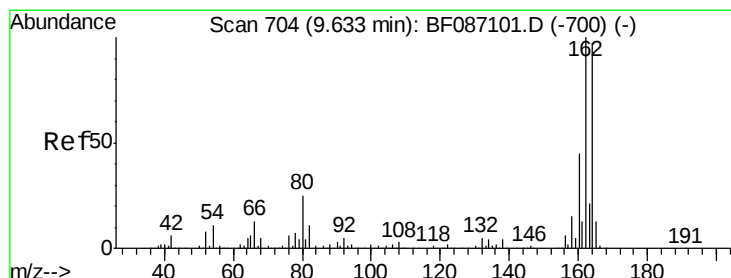
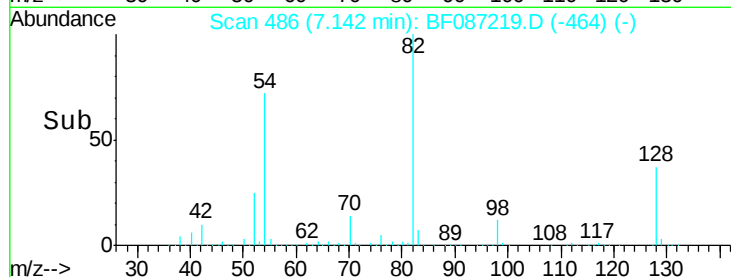
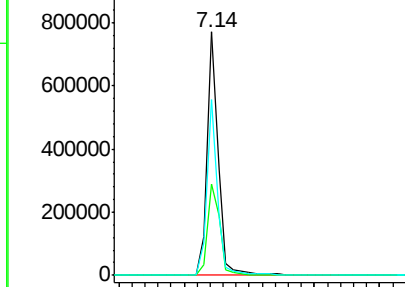
#23
 Nitrobenzene-d5
 Concen: 89.52 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.05 min
 Lab File: BF087219.D
 Acq: 20 May 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-113

Tgt Ion: 82 Resp: 916056
 Ion Ratio Lower Upper
 82 100
 128 37.4 40.6 61.0#
 54 72.4 38.1 57.1#

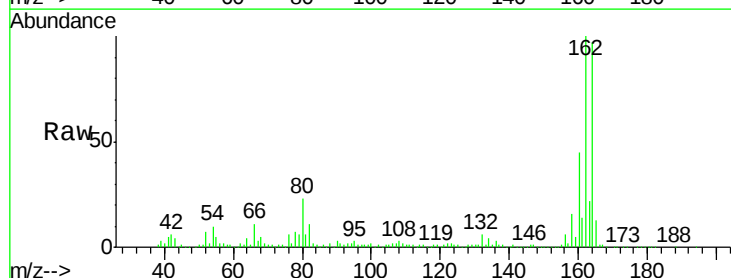


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

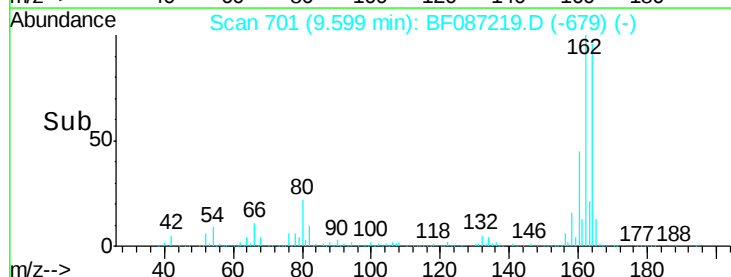
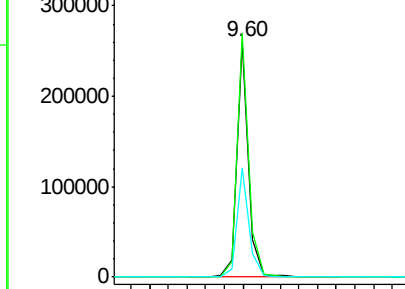


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.05 min
 Lab File: BF087219.D
 Acq: 20 May 2016 8:34

Tgt Ion: 164 Resp: 223517
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.8 124.2
 160 46.5 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

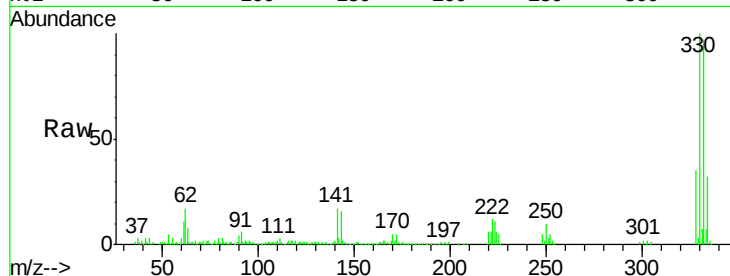




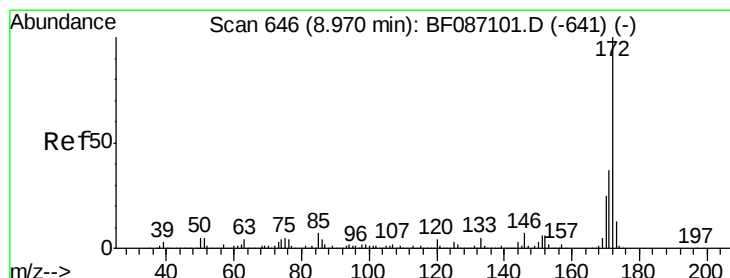
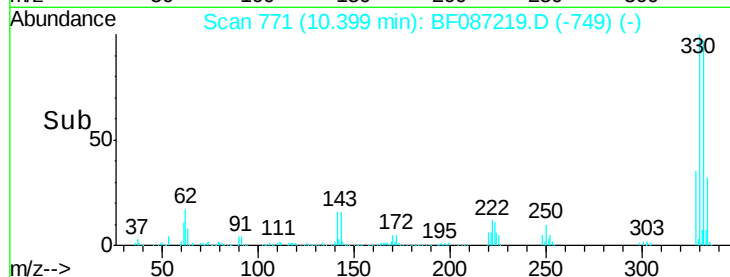
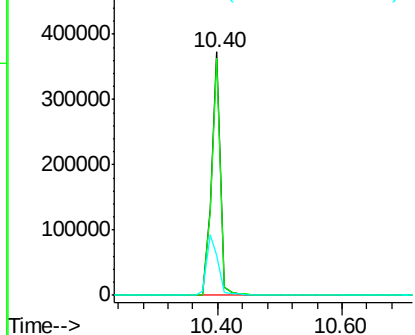
#41
 2,4,6-Tribromophenol
 Concen: 149.12 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087219.D
 Acq: 20 May 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-113

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.0	118.4
141	31.0	31.2	46.8#

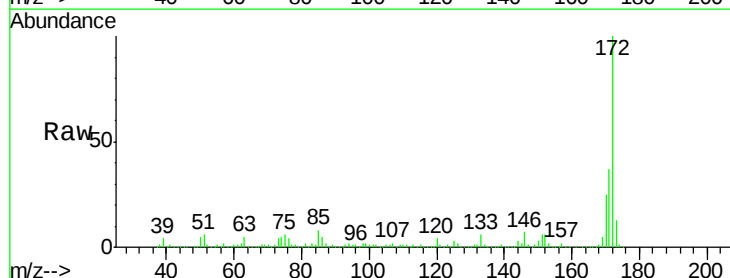


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

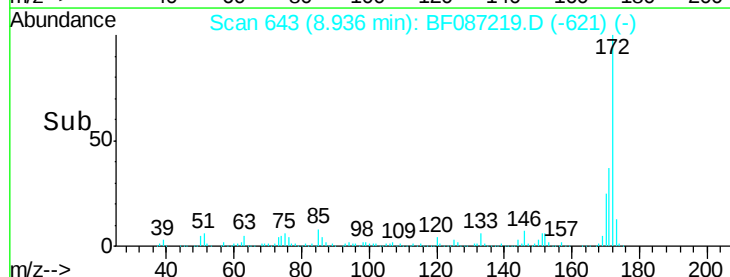
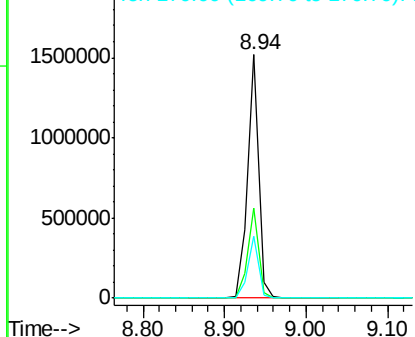


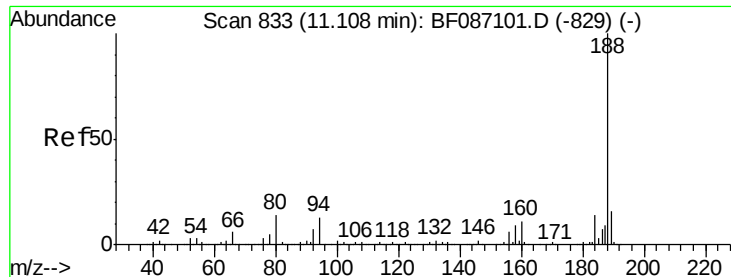
#44
 2-Fluorobiphenyl
 Concen: 105.83 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087219.D
 Acq: 20 May 2016 8:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	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

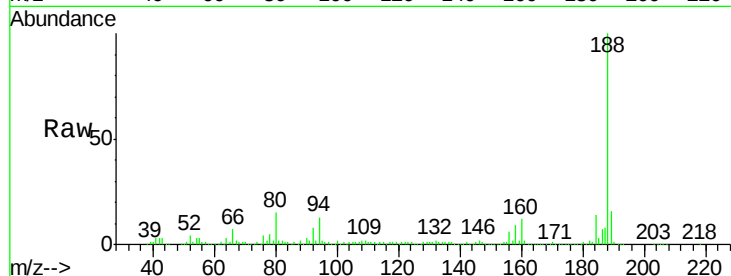




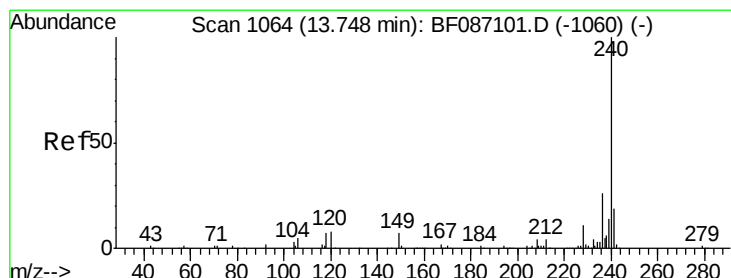
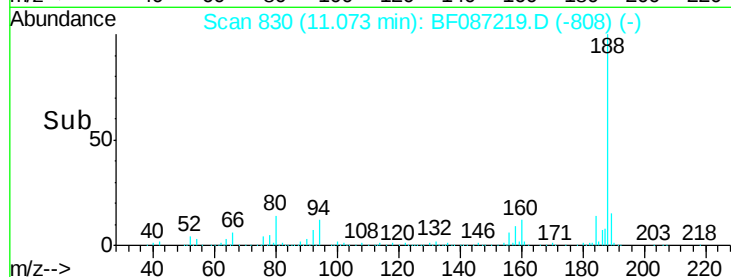
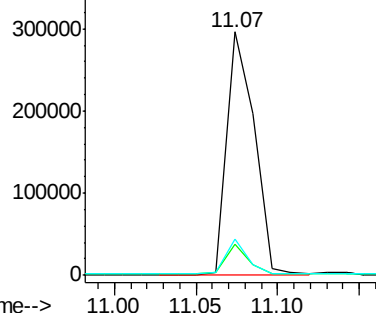
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF087219.D
Acq: 20 May 2016 8:34

Instrument :
BNA_F
ClientSampleId :
RAV-GT-113

Tgt Ion:188 Resp: 350255
Ion Ratio Lower Upper
188 100
94 12.6 6.8 10.2#
80 14.9 7.1 10.7#

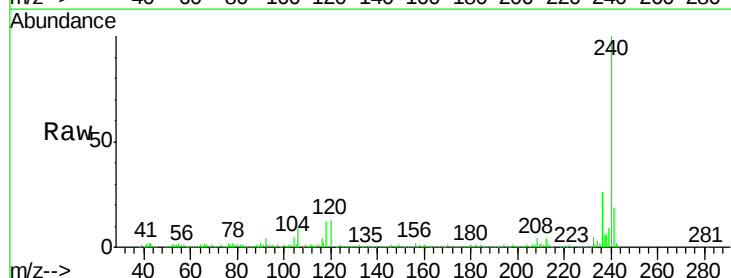


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

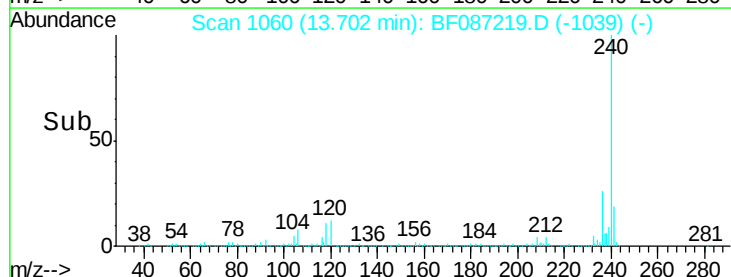
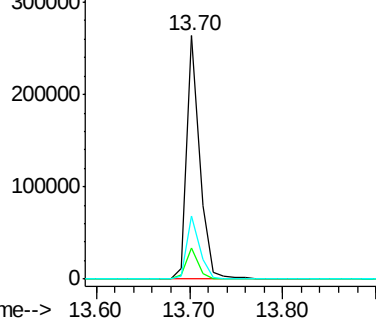


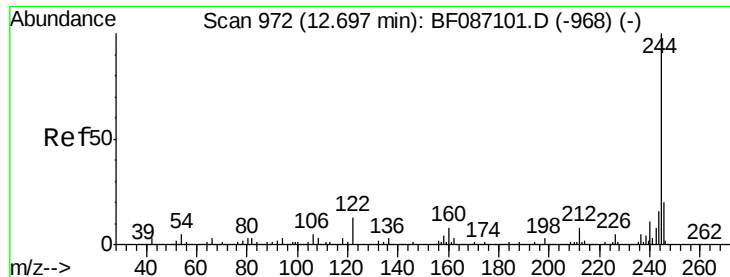
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.06 min
Lab File: BF087219.D
Acq: 20 May 2016 8:34

Tgt Ion:240 Resp: 253922
Ion Ratio Lower Upper
240 100
120 12.7 11.2 16.8
236 26.0 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: 84.10 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087219.D

Acq: 20 May 2016 8:34

Instrument :

BNA_F

ClientSampleId :

RAV-GT-113

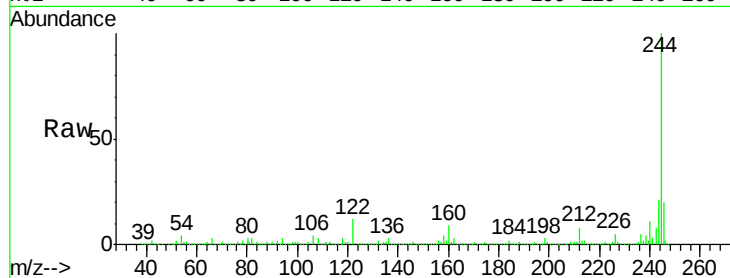
Tgt Ion:244 Resp: 944045

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

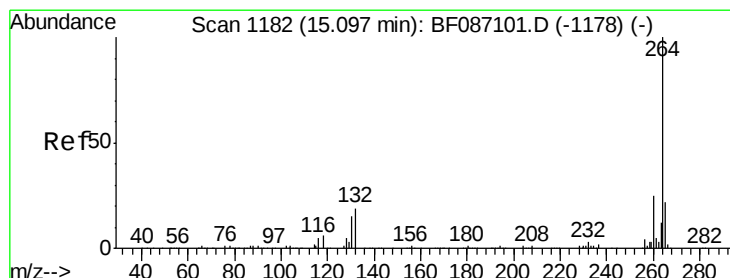
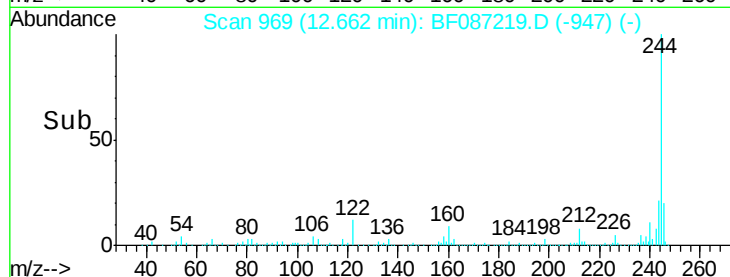
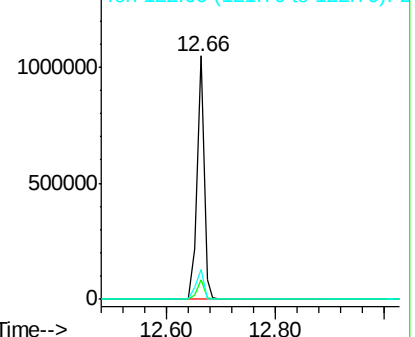
122 12.3 12.0 18.0



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: BF087219.D

Acq: 20 May 2016 8:34

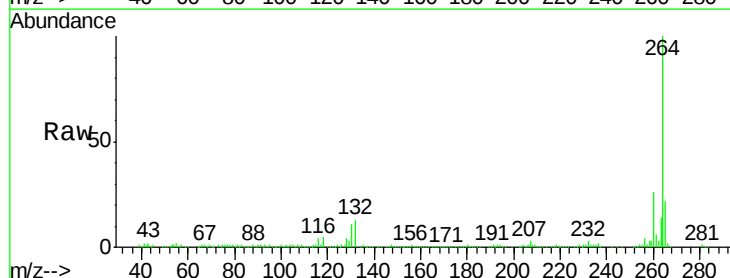
Tgt Ion:264 Resp: 241683

Ion Ratio Lower Upper

264 100

260 25.6 19.5 29.3

265 21.8 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

