

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087867.D
 Acq On : 9 Jun 2016 22:17
 Operator : UM/SJ
 Sample : H3378-14RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-23RE

Quant Time: Jun 10 02:03:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

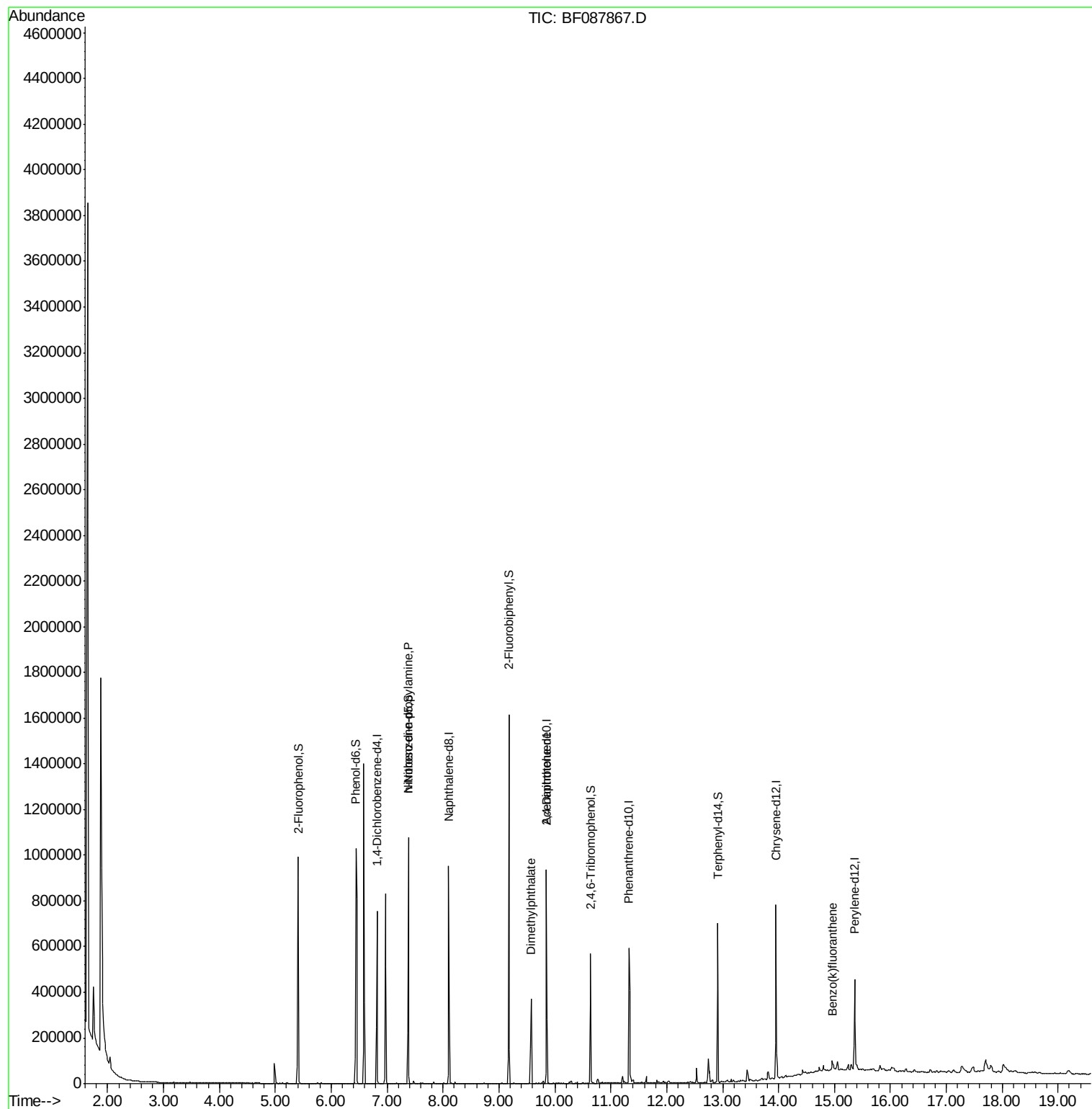
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	123650	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	453960	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	182630	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	280312	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	235886	20.00	ng	-0.03
86) Perylene-d12	15.36	264	177249	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	428146	59.19	ng	-0.01
7) Phenol-d6	6.44	99	529745	60.43	ng	-0.03
23) Nitrobenzene-d5	7.38	82	320871	41.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	88911	46.11	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	450000	35.48	ng	-0.03
78) Terphenyl-d14	12.91	244	262056	25.28	ng	-0.03
Target Compounds						
10) Phenol	6.46	94	1969	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	42310	7.55 ng	#	72
45) 1,1'-Biphenyl	9.18	154	765	Below Cal	#	1
49) Dimethylphthalate	9.58	163	180298	13.63 ng		98
56) 2,4-Dinitrotoluene	9.85	165	23395	6.01 ng	#	37
57) Fluorene	10.40	166	1390	Below Cal	#	88
88) Benzo(k)fluoranthene	14.96	252	24437	2.62 ng	#	94

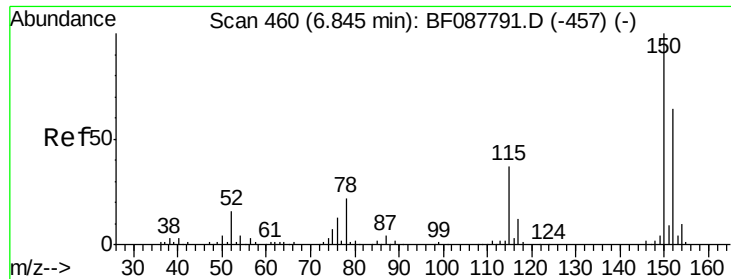
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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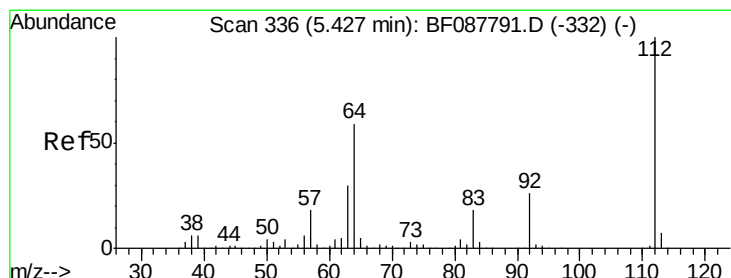
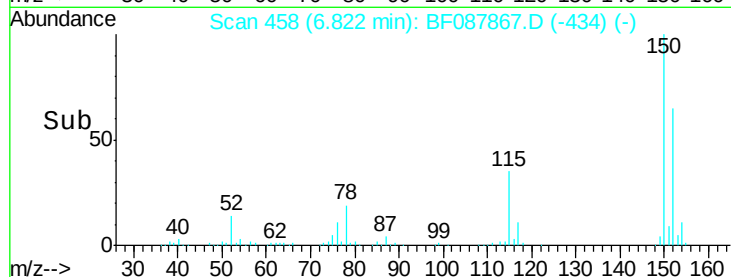
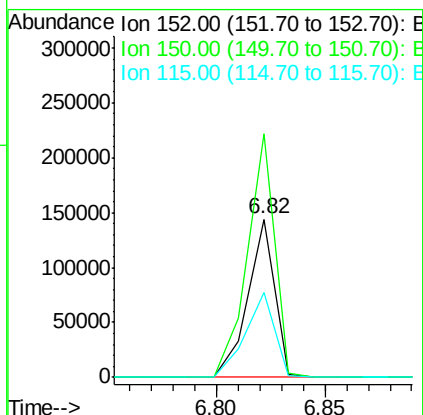
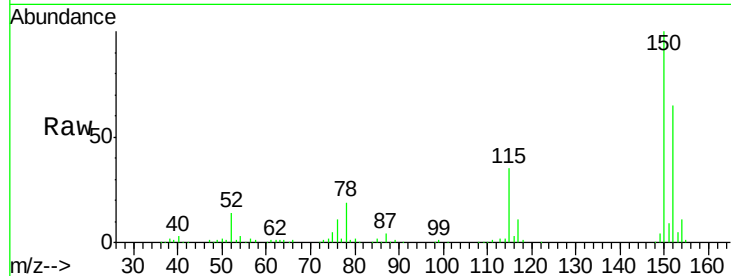


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 SS-23RE

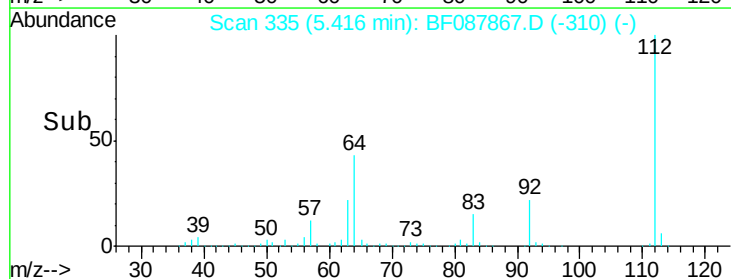
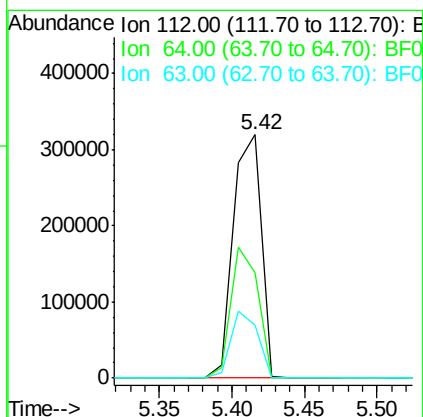
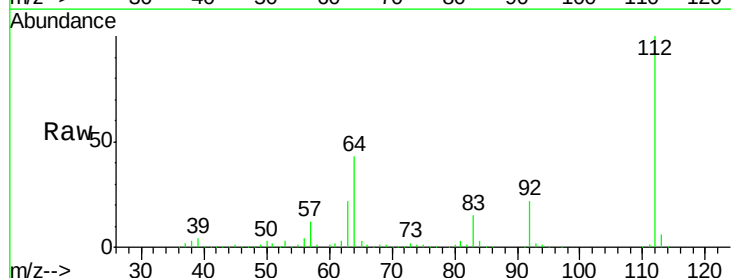
Tgt Ion:152 Resp: 123650
 Ion Ratio Lower Upper
 152 100
 150 153.9 123.8 185.6
 115 54.0 39.6 59.4

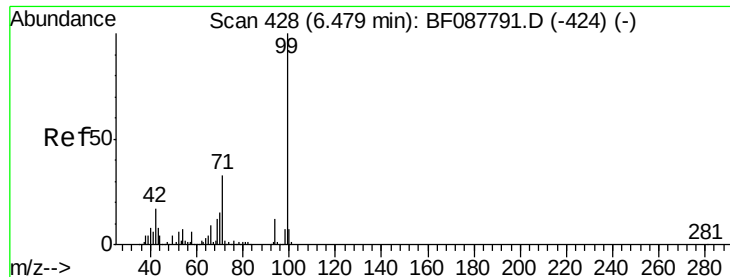


#5

2-Fluorophenol
 Concen: 59.19 ng
 RT: 5.42 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

Tgt Ion:112 Resp: 428146
 Ion Ratio Lower Upper
 112 100
 64 43.2 42.2 63.2
 63 21.8 21.8 32.8#





#7

Phenol-d6

Concen: 60.43 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

Instrument :

BNA_F

ClientSampleId :

SS-23RE

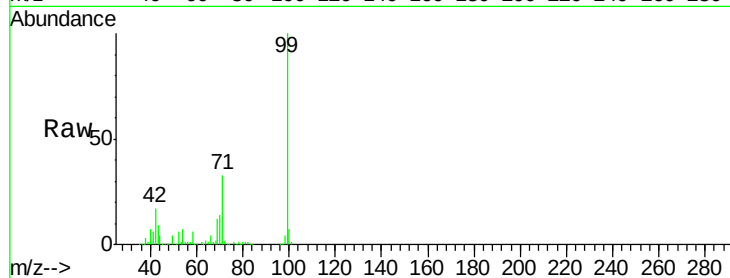
Tgt Ion: 99 Resp: 529745

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

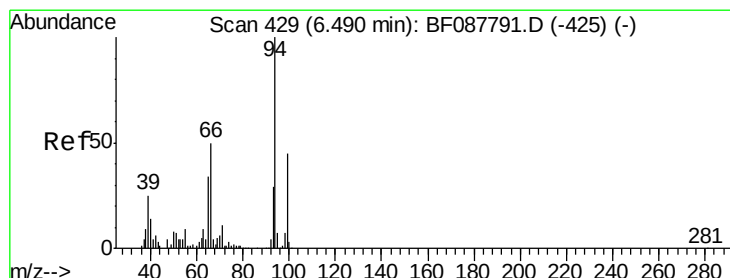
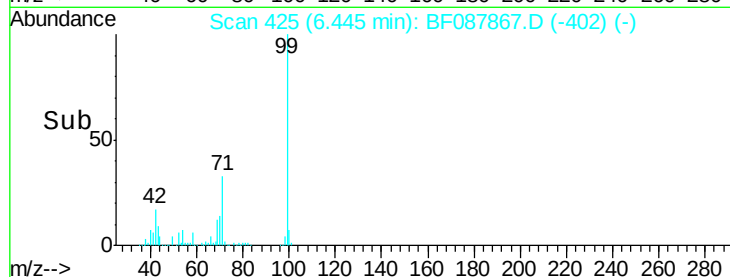
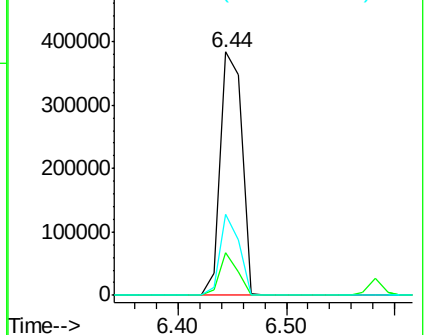
71 33.1 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.46 min Scan# 426

Delta R.T. -0.03 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

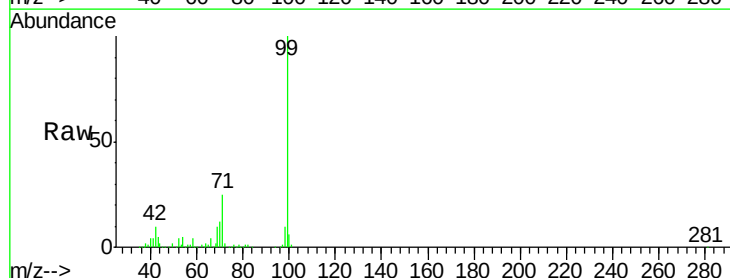
Tgt Ion: 94 Resp: 1969

Ion Ratio Lower Upper

94 100

65 182.4 5.9 45.9#

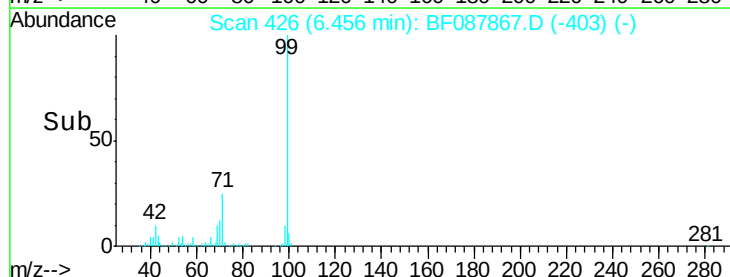
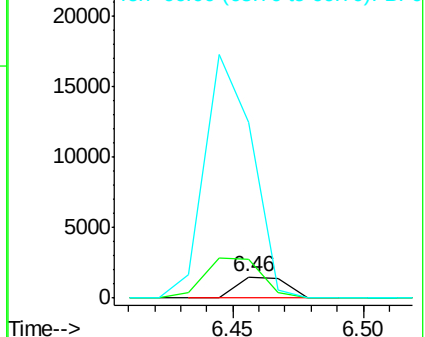
66 832.4 14.0 54.0#

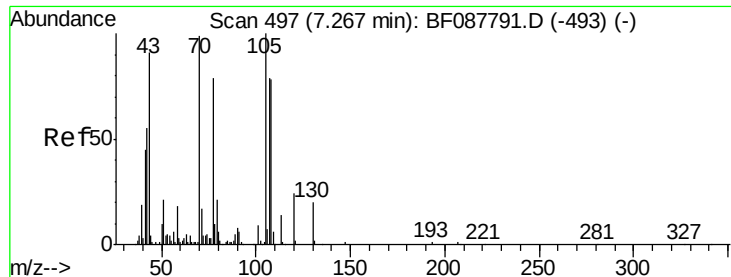


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 7.55 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

Instrument :

BNA_F

ClientSampleId :

SS-23RE

Tgt Ion: 70 Resp: 42310

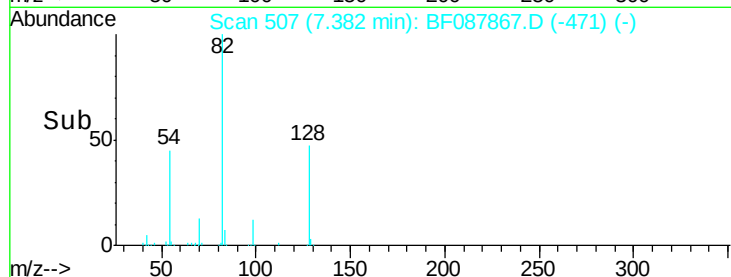
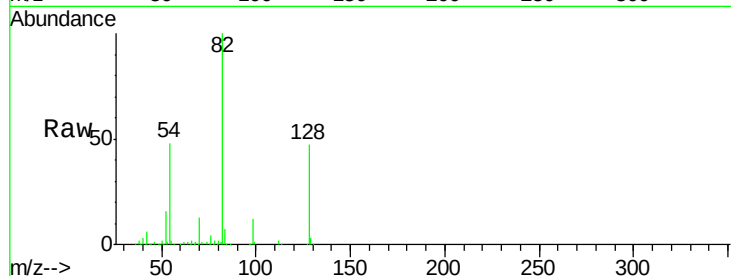
Ion Ratio Lower Upper

70 100

42 42.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

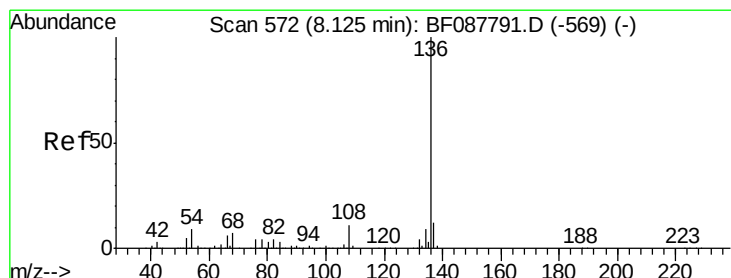
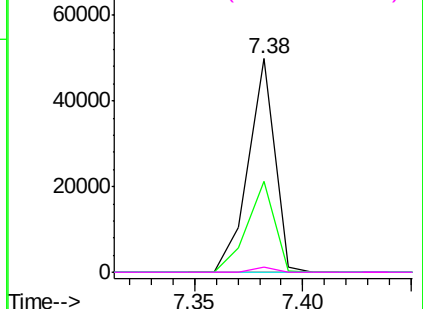


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

Tgt Ion: 136 Resp: 453960

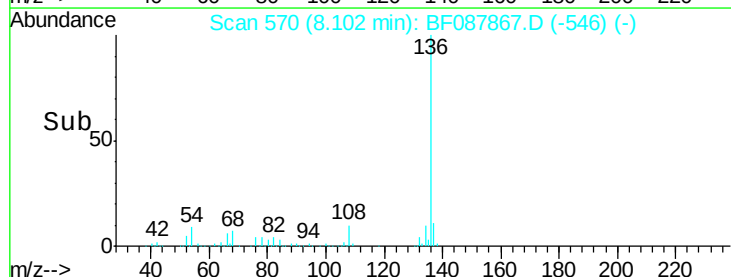
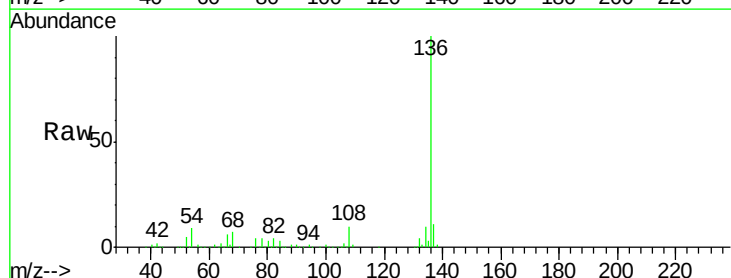
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.9 6.6 10.0

68 7.2 5.1 7.7

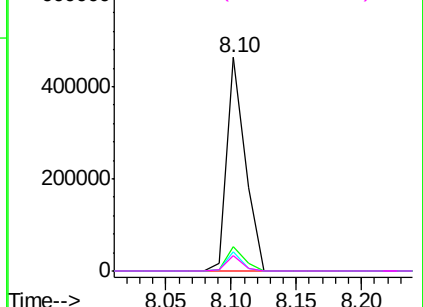


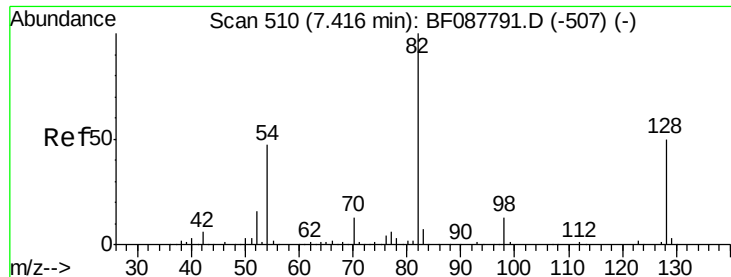
Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.27 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

Instrument :

BNA_F

ClientSampleId :

SS-23RE

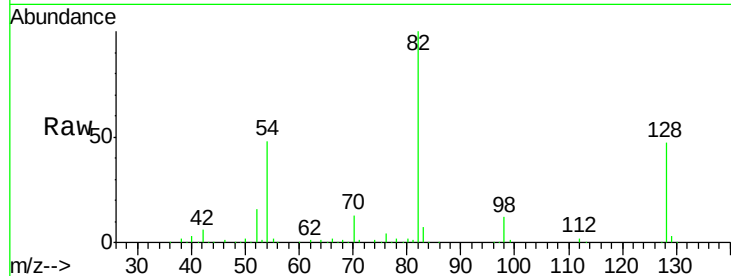
Tgt Ion: 82 Resp: 320871

Ion Ratio Lower Upper

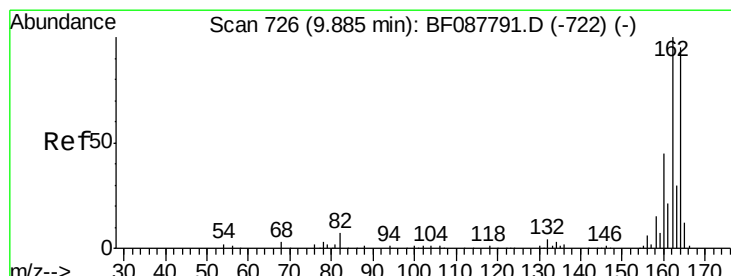
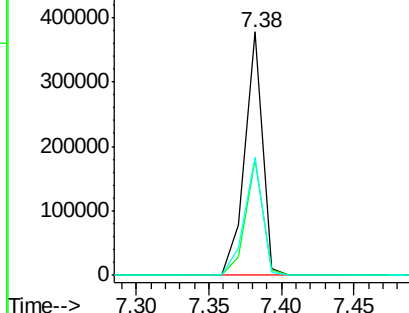
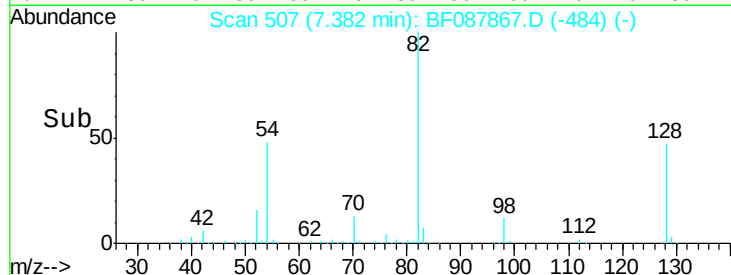
82 100

128 47.5 35.9 53.9

54 48.4 40.9 61.3



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: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

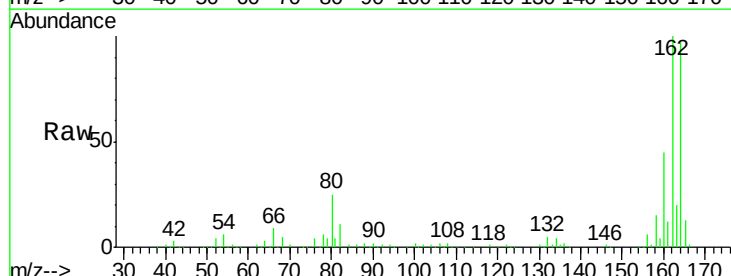
Tgt Ion: 164 Resp: 182630

Ion Ratio Lower Upper

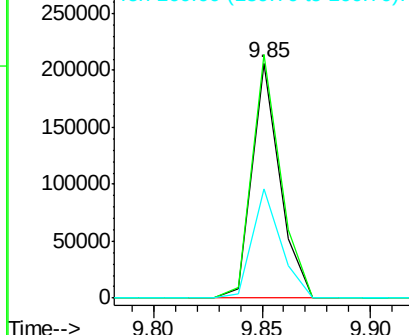
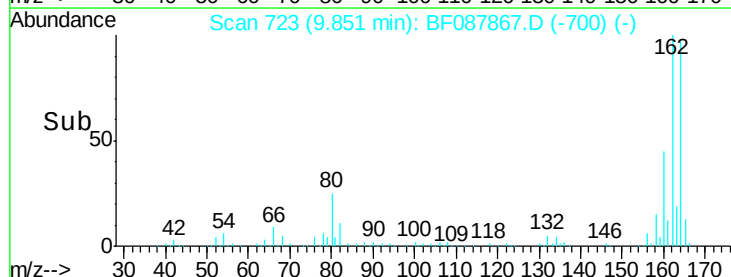
164 100

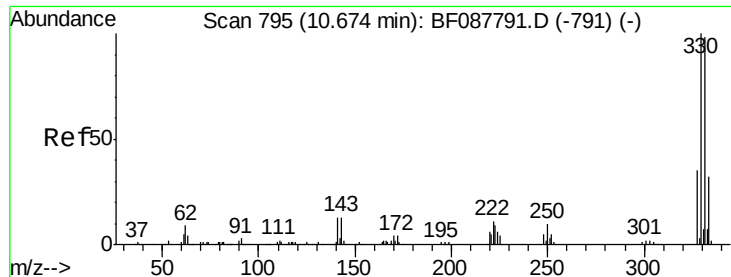
162 103.6 85.4 128.2

160 46.2 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

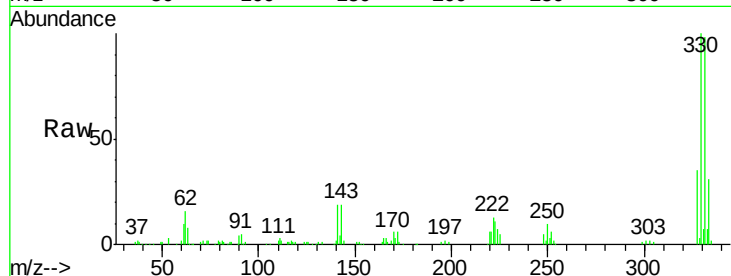




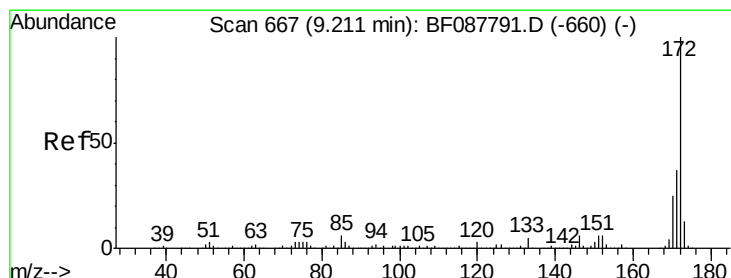
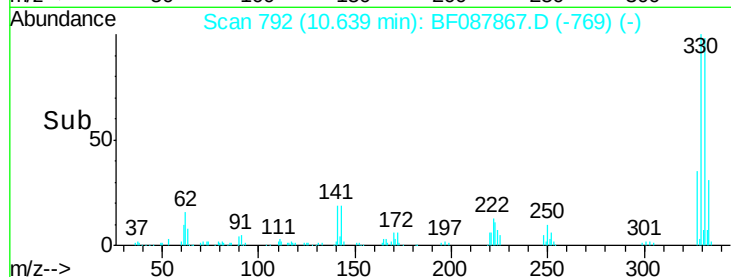
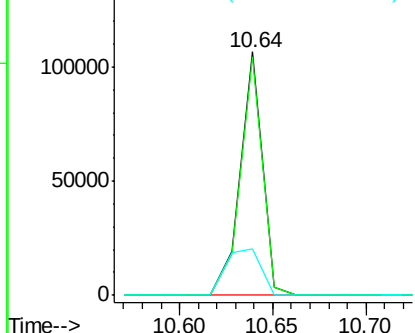
#41
 2,4,6-Tribromophenol
 Concen: 46.11 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampled :
 SS-23RE

Tgt Ion:330 Resp: 88911
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 30.7 0.0 0.0#

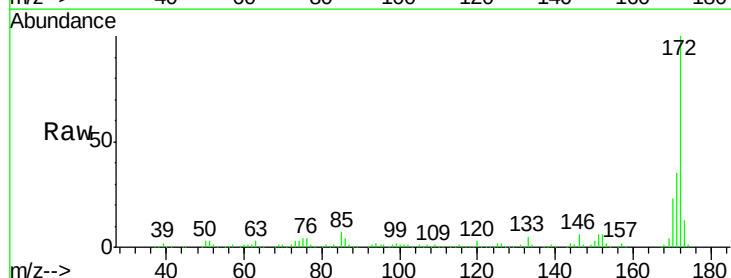


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

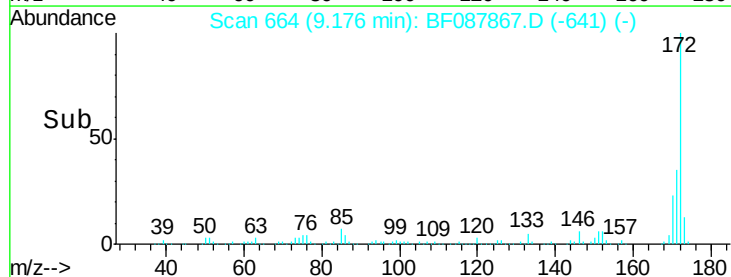
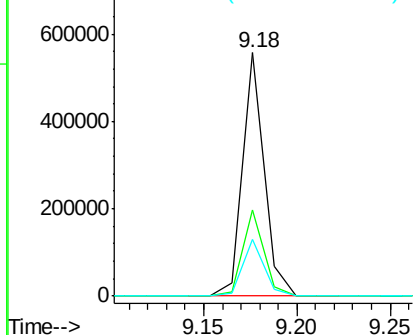


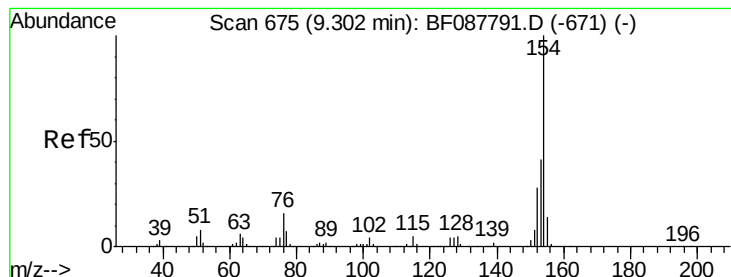
#44
 2-Fluorobiphenyl
 Concen: 35.48 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

Tgt Ion:172 Resp: 450000
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.5 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.18 min Scan# 664

Delta R.T. -0.12 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

Instrument :

BNA_F

ClientSampleId :

SS-23RE

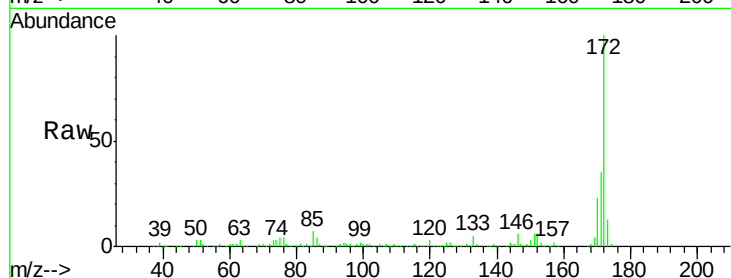
Tgt Ion:154 Resp: 765

Ion Ratio Lower Upper

154 100

153 919.5 20.6 60.6#

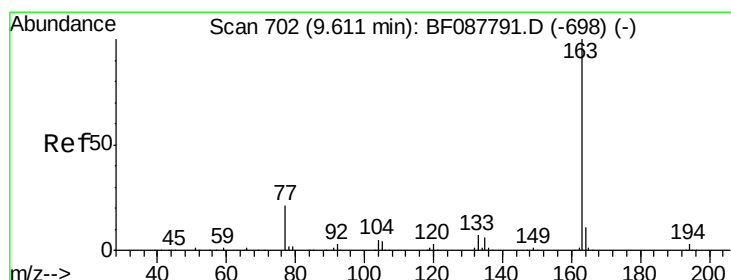
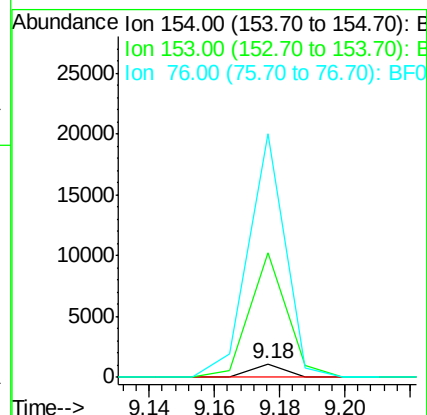
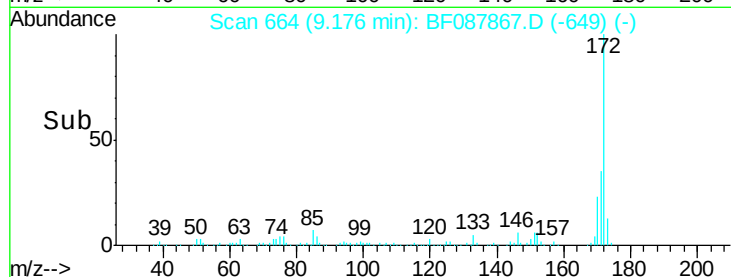
76 1792.1 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 13.63 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087867.D

Acq: 9 Jun 2016 22:17

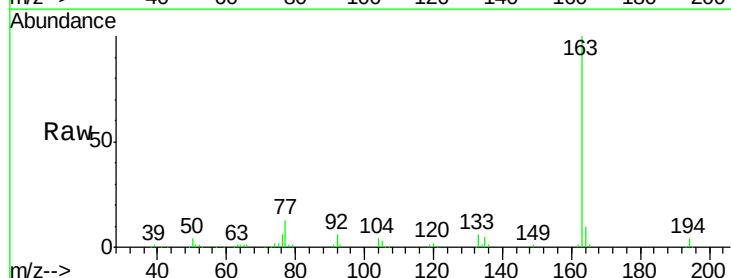
Tgt Ion:163 Resp: 180298

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

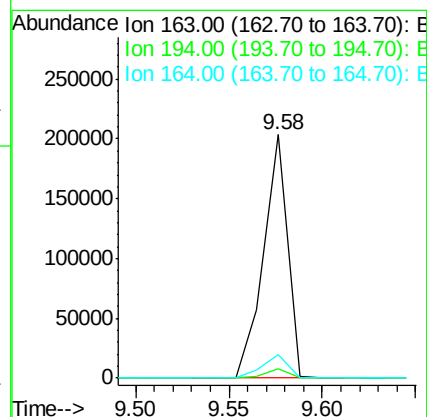
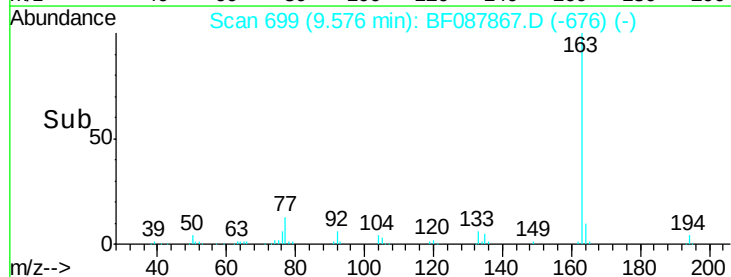
164 9.7 8.3 12.5

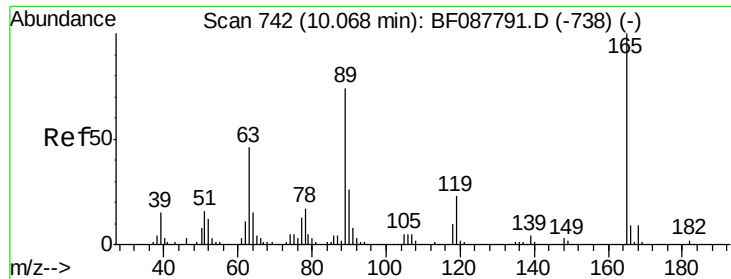


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

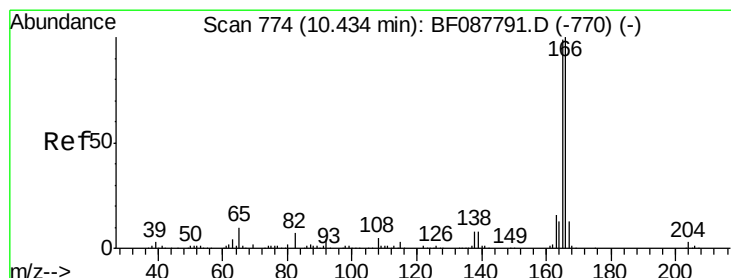
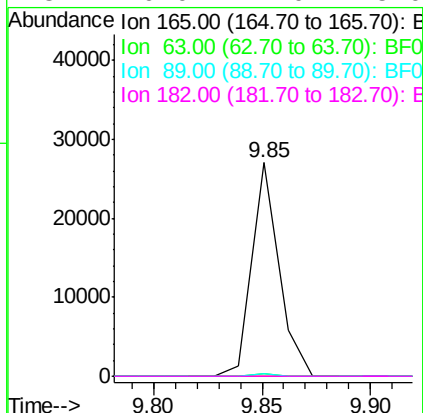
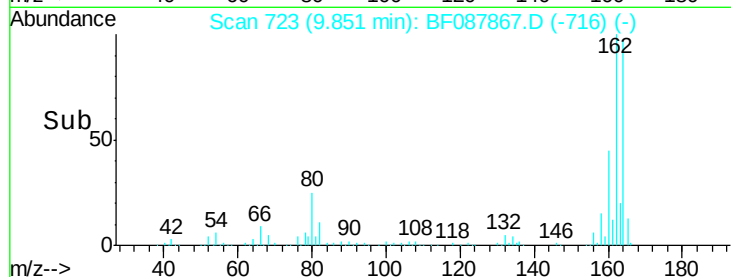
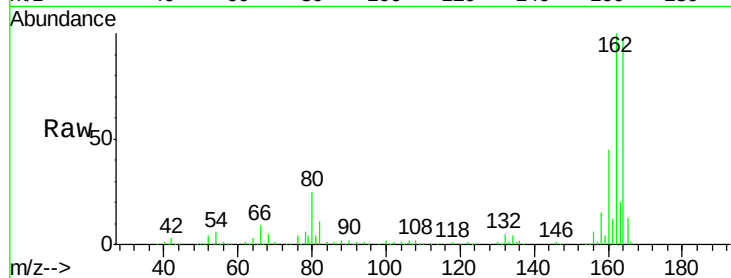




#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087867.D
Acq: 9 Jun 2016 22:17

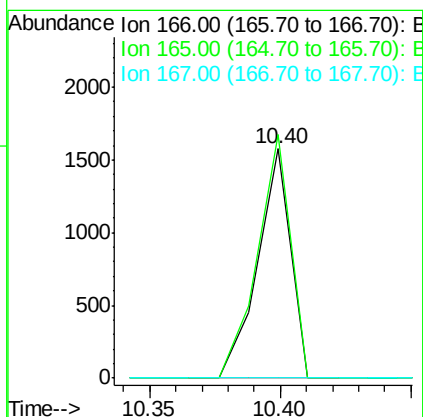
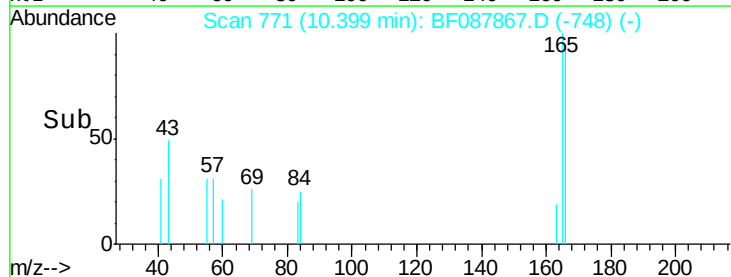
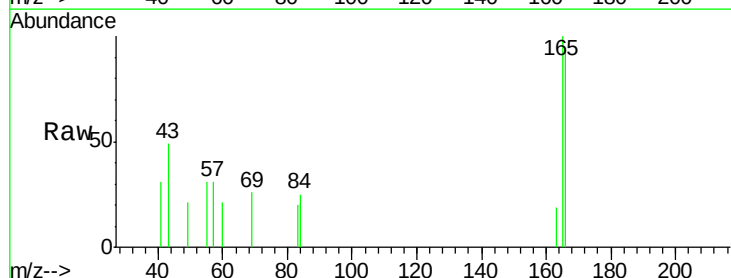
Instrument :
BNA_F
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SS-23RE

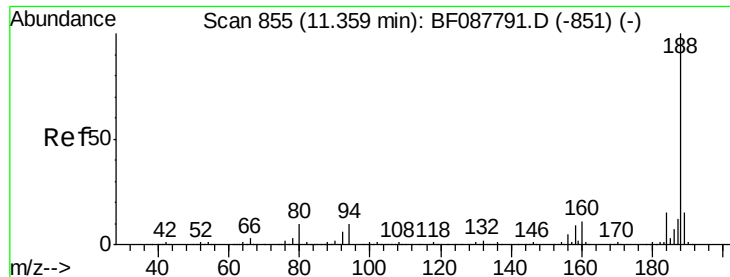
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.2	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.40 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF087867.D
Acq: 9 Jun 2016 22:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.2	77.8	116.8
167	0.0	11.2	16.8#

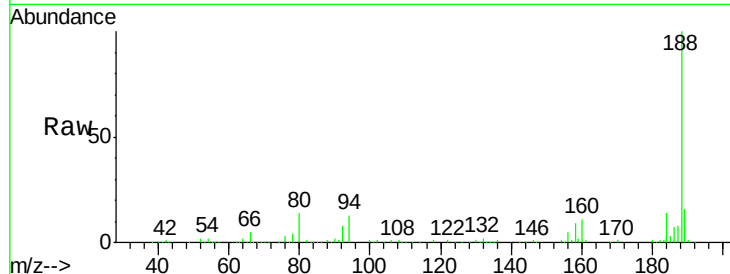




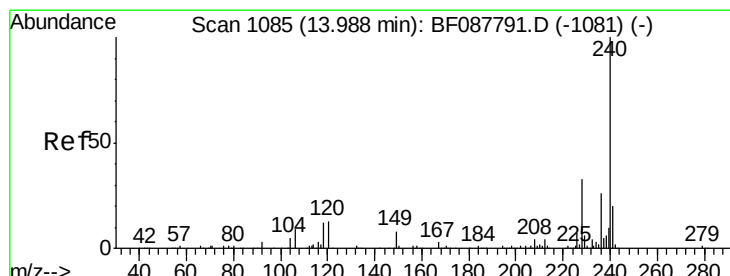
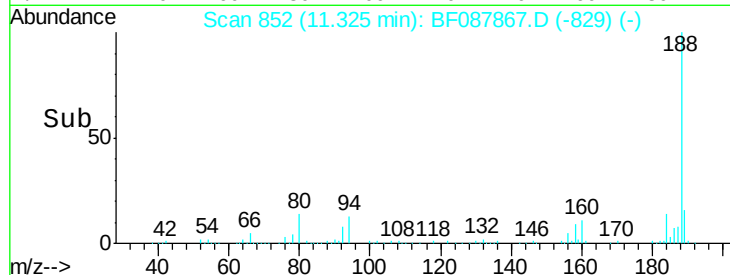
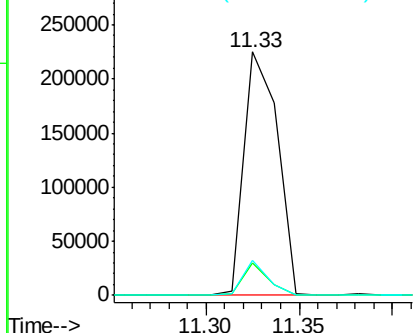
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087867.D
Acq: 9 Jun 2016 22:17

Instrument :
BNA_F
ClientSampleId :
SS-23RE

Tgt Ion:188 Resp: 280312
Ion Ratio Lower Upper
188 100
94 13.4 9.0 13.6
80 14.3 10.0 15.0

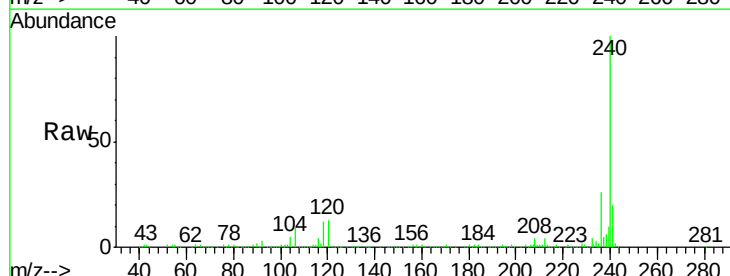


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

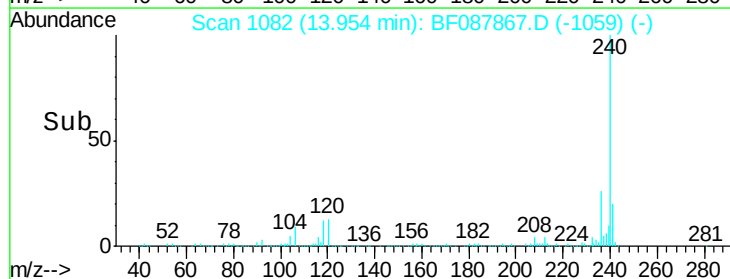
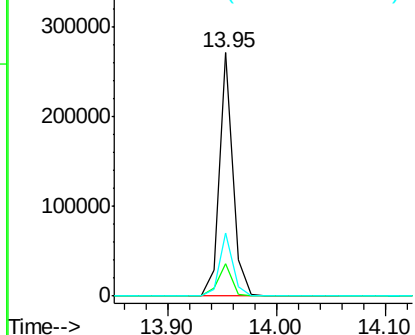


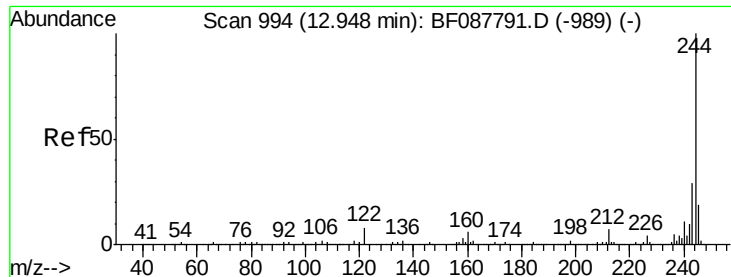
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087867.D
Acq: 9 Jun 2016 22:17

Tgt Ion:240 Resp: 235886
Ion Ratio Lower Upper
240 100
120 13.4 6.8 10.2#
236 25.9 20.2 30.2



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

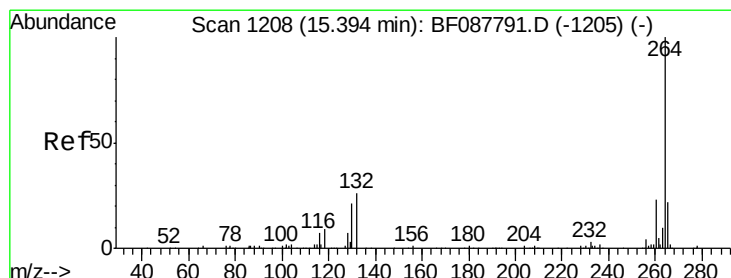
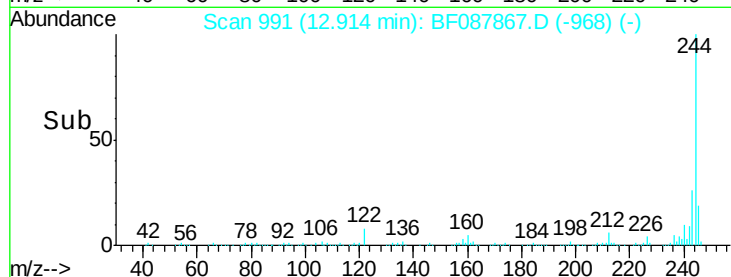
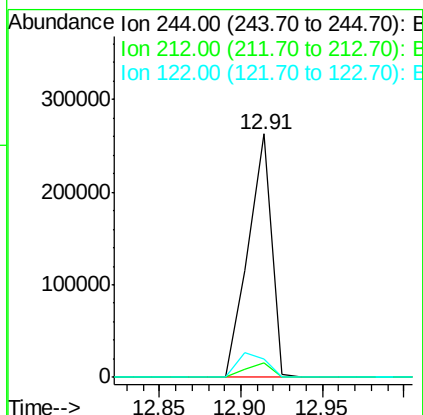
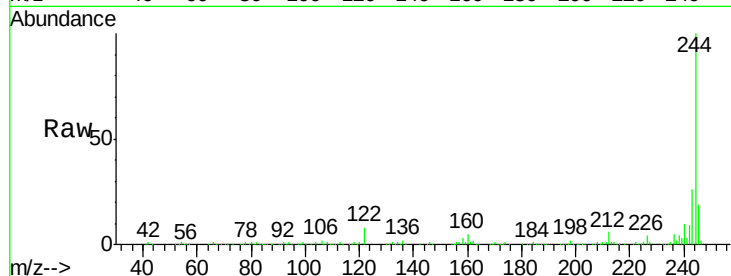




#78
 Terphenyl-d14
 Concen: 25.28 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

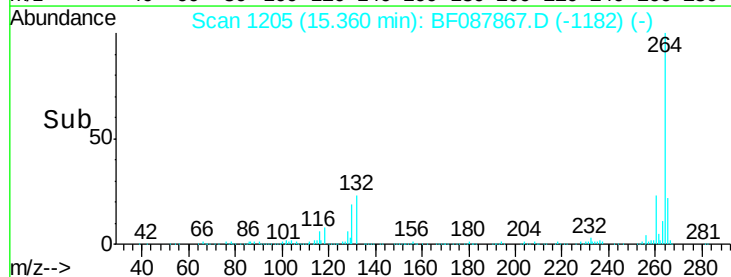
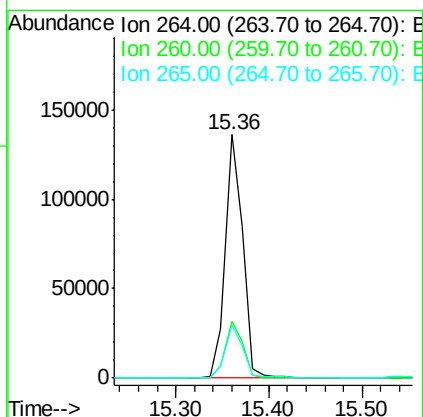
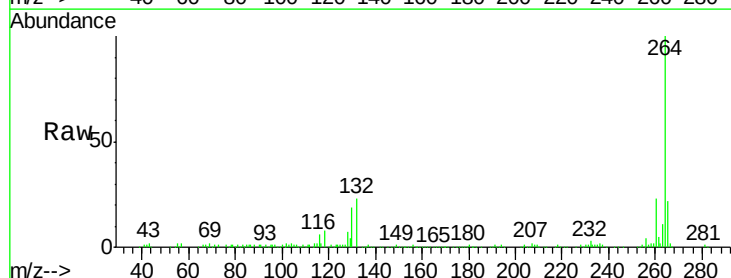
Instrument :
 BNA_F
 ClientSampleId :
 SS-23RE

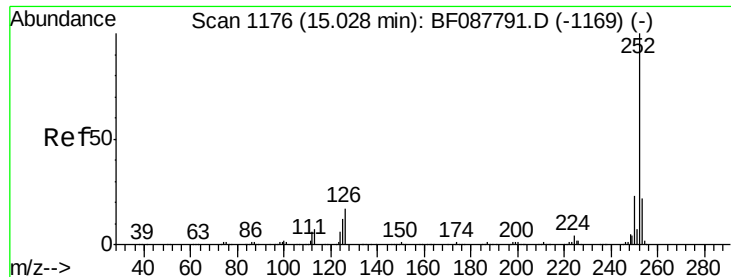
Tgt Ion:244 Resp: 262056
 Ion Ratio Lower Upper
 244 100
 212 6.1 6.0 9.0
 122 7.6 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

Tgt Ion:264 Resp: 177249
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.8 16.9 25.3

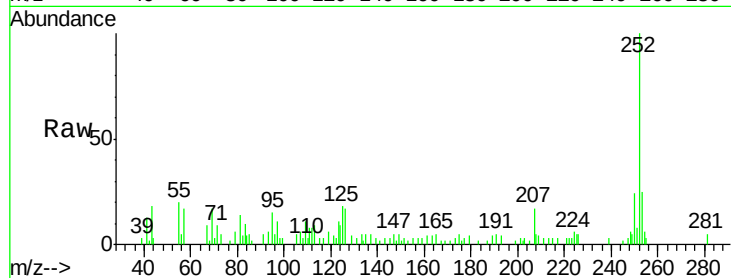




#88
 Benzo(k)fluoranthene
 Concen: 2.62 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.07 min
 Lab File: BF087867.D
 Acq: 9 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 SS-23RE

Tgt Ion: 252 Resp: 24437
 Ion Ratio Lower Upper
 252 100
 253 24.8 18.0 27.0
 125 17.6 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

