

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088559.D
 Acq On : 1 Jul 2016 5:40
 Operator : UM/SJ
 Sample : H3747-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D9-B1(0-11)C

Quant Time: Jul 01 06:46:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

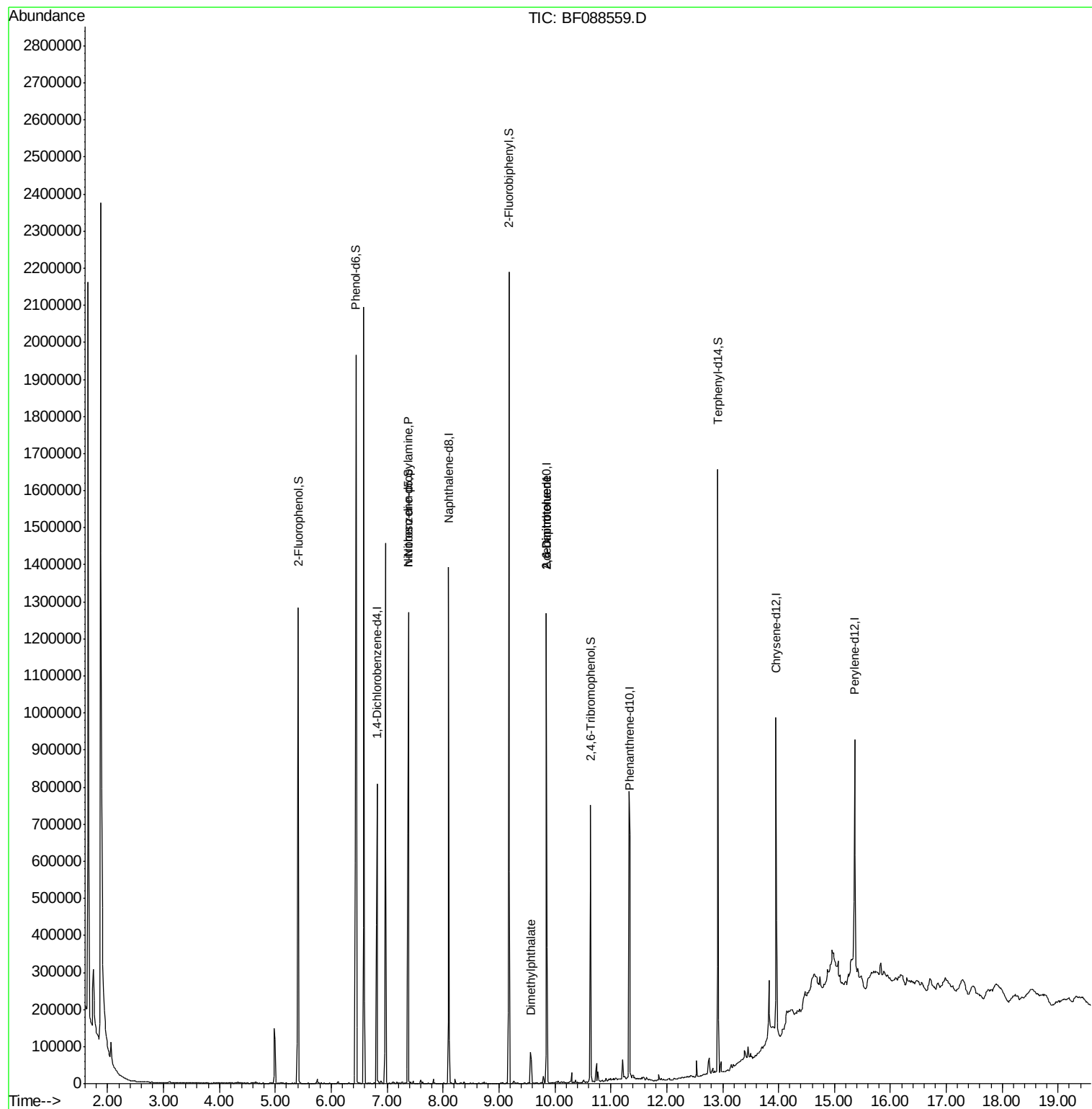
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	140327	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	548992	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	236621	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	389413	20.00	ng	0.01
75) Chrysene-d12	13.95	240	274090	20.00	ng	0.00
86) Perylene-d12	15.36	264	282157	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	543597	58.06	ng	0.01
7) Phenol-d6	6.44	99	663085	54.81	ng	0.00
23) Nitrobenzene-d5	7.38	82	488316	46.61	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	109115	49.66	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	672782	44.91	ng	0.00
78) Terphenyl-d14	12.91	244	444411	36.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	64343	7.92	ng	# 68
49) Dimethylphthalate	9.58	163	45243	2.68	ng	99
50) 2,6-Dinitrotoluene	9.85	165	31305	8.38	ng	# 40
56) 2,4-Dinitrotoluene	9.85	165	31306	6.41	ng	# 38

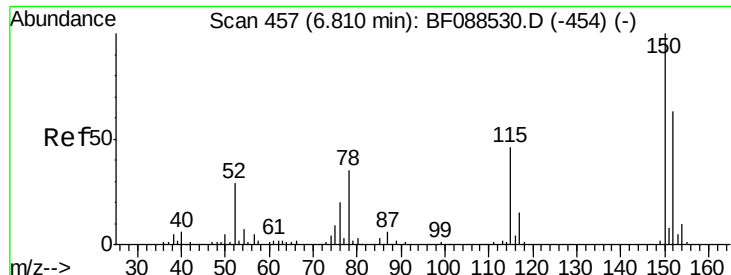
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

Instrument :

BNA_F

ClientSampleId :

D9-B1(0-11)C

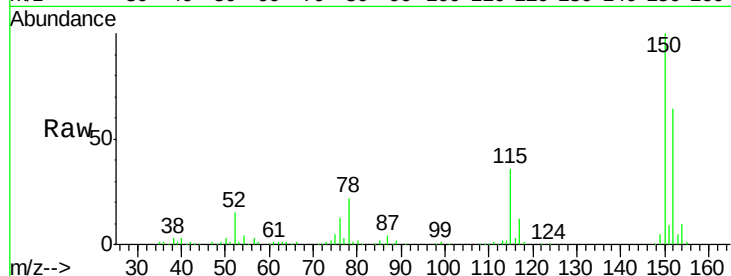
Tgt Ion:152 Resp: 140327

Ion Ratio Lower Upper

152 100

150 156.0 123.8 185.6

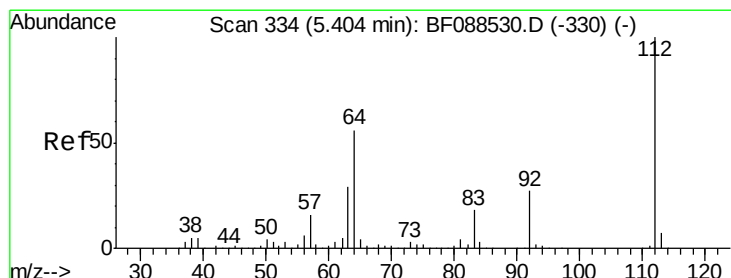
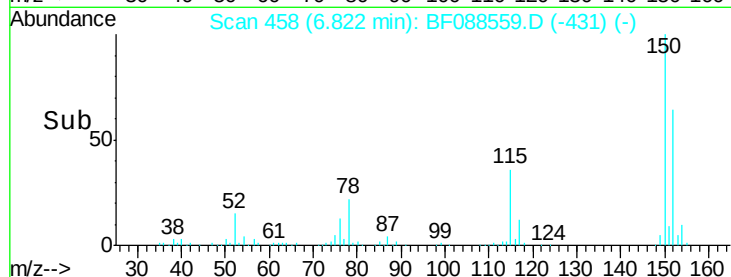
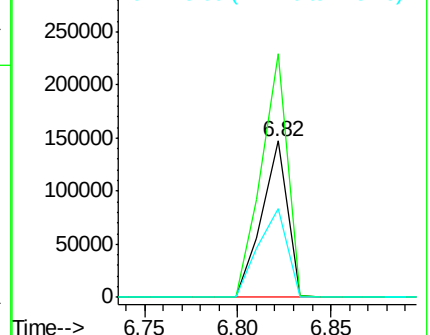
115 56.7 39.6 59.4



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: 58.06 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

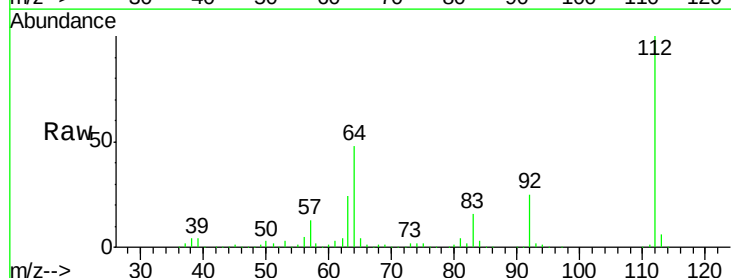
Tgt Ion:112 Resp: 543597

Ion Ratio Lower Upper

112 100

64 48.1 42.2 63.2

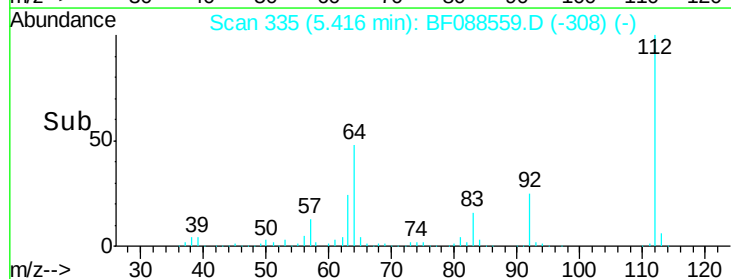
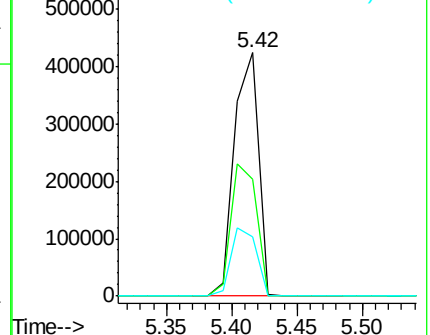
63 24.2 21.8 32.8

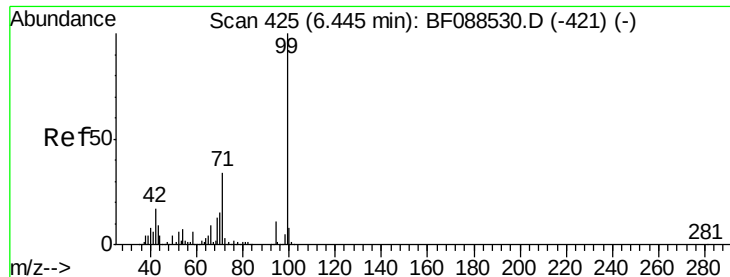


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.81 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

Instrument :

BNA_F

ClientSampleId :

D9-B1(0-11)C

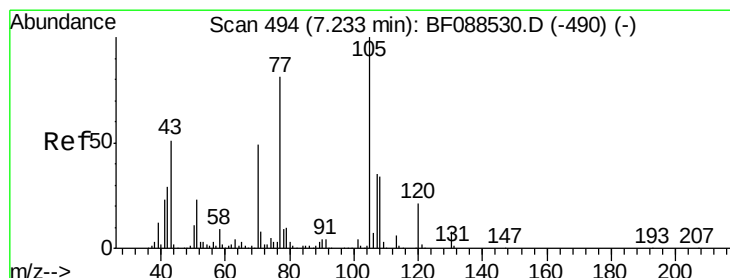
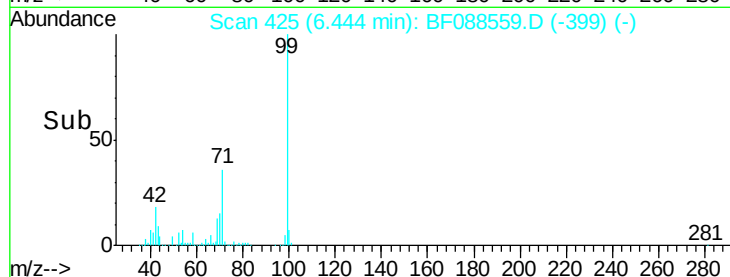
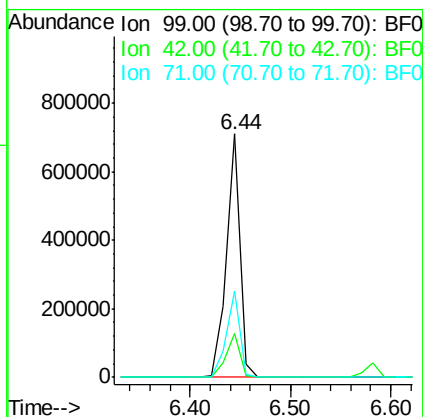
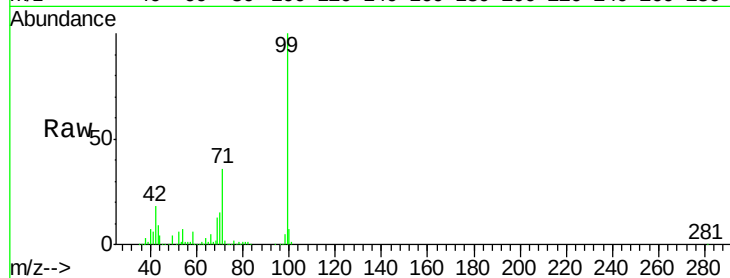
Tgt Ion: 99 Resp: 663085

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

71 35.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 7.92 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.15 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

Tgt Ion: 70 Resp: 64343

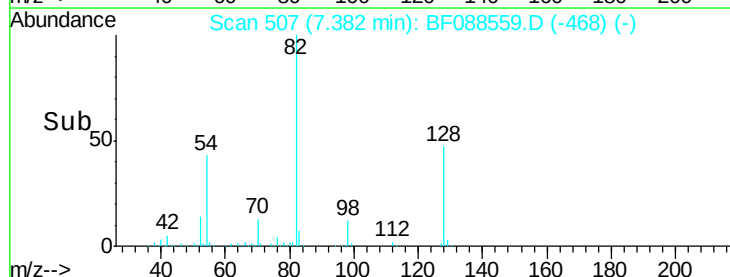
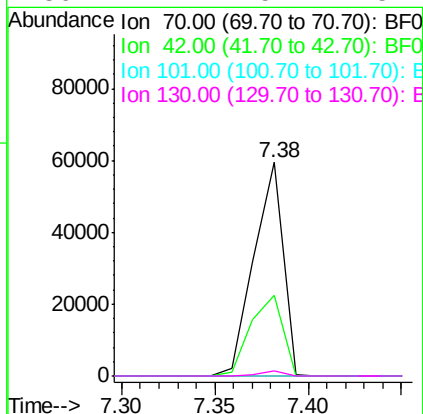
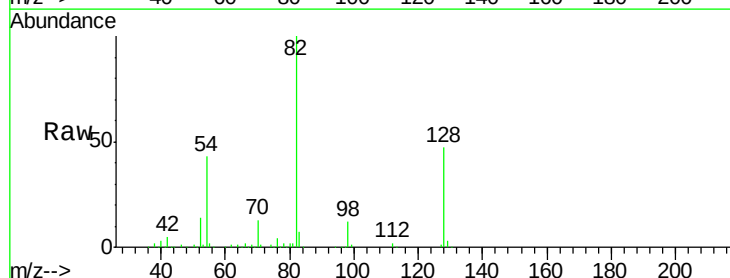
Ion Ratio Lower Upper

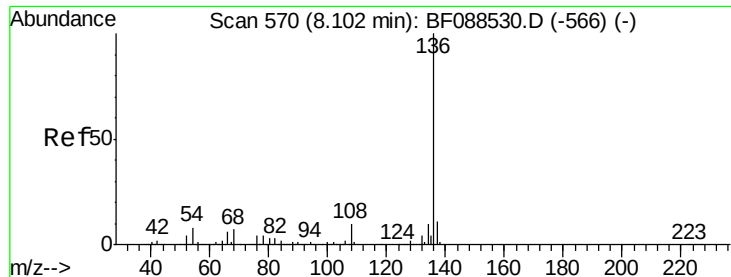
70 100

42 37.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

Instrument :

BNA_F

ClientSampleId :

D9-B1(0-11)C

Tgt Ion: 136 Resp: 548992

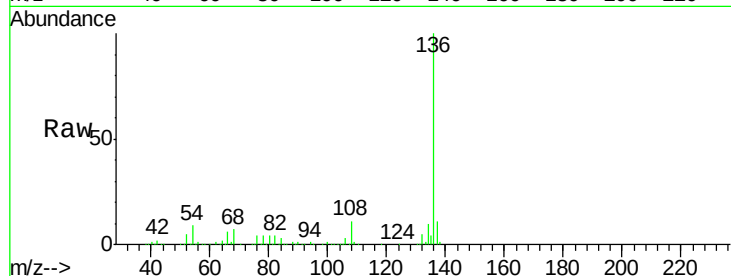
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.0 6.6 10.0

68 7.4 5.1 7.7

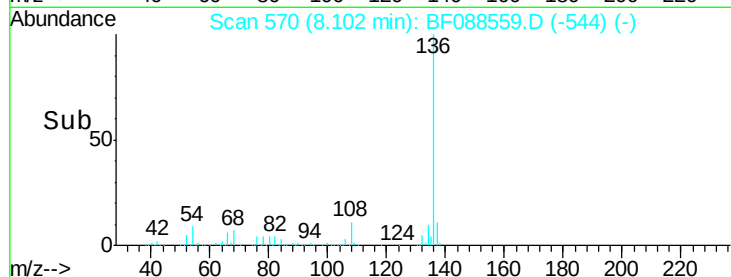


Abundance Ion 136.00 (135.70 to 136.70): E

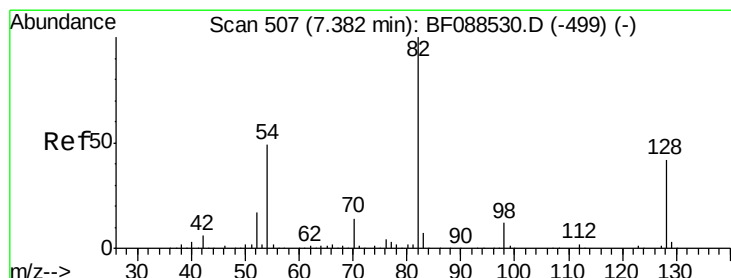
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.05 8.10 8.15 8.20



#23

Nitrobenzene-d5

Concen: 46.61 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

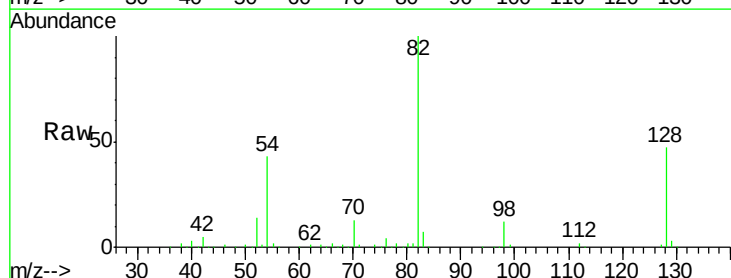
Tgt Ion: 82 Resp: 488316

Ion Ratio Lower Upper

82 100

128 46.5 35.9 53.9

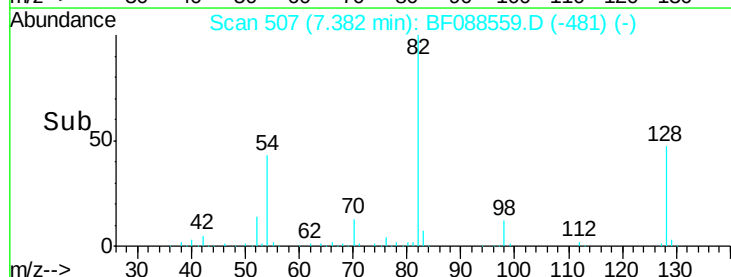
54 43.3 40.9 61.3



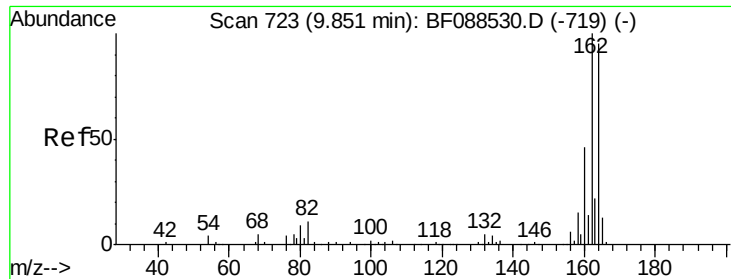
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.30 7.35 7.40 7.45



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

Instrument :

BNA_F

ClientSampleId :

D9-B1(0-11)C

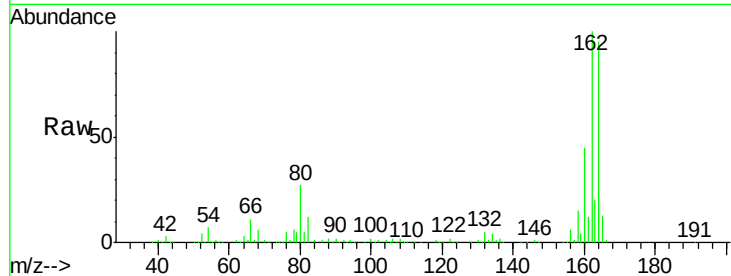
Tgt Ion:164 Resp: 236621

Ion Ratio Lower Upper

164 100

162 105.4 85.4 128.2

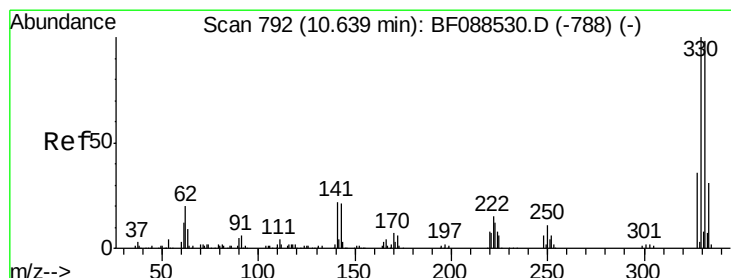
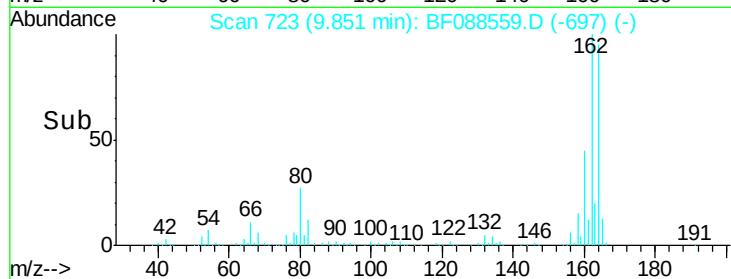
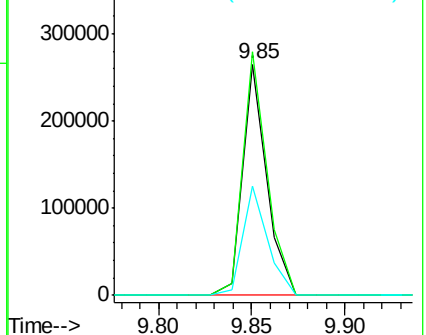
160 47.0 39.5 59.3



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: 49.66 ng

RT: 10.64 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF088559.D

Acq: 1 Jul 2016 5:40

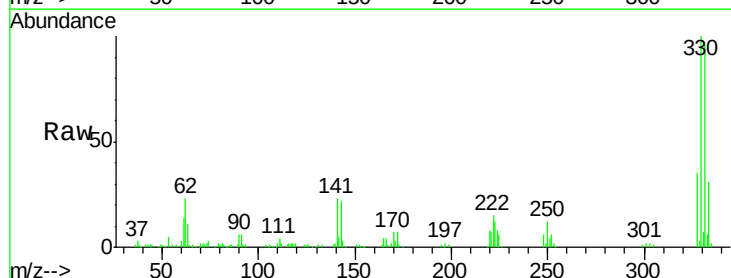
Tgt Ion:330 Resp: 109115

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

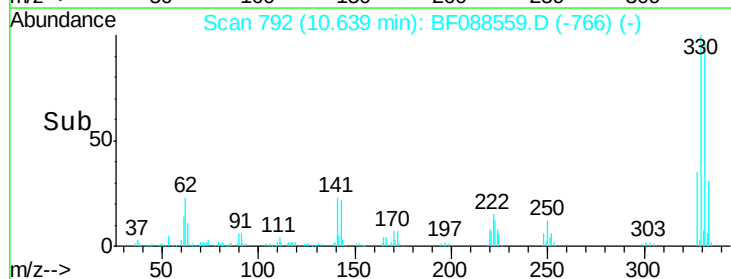
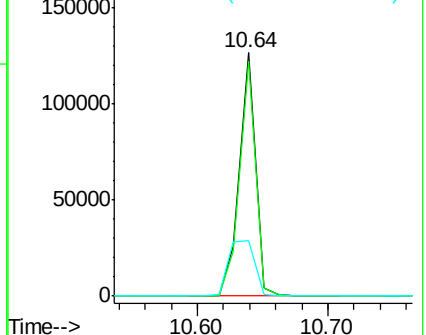
141 36.7 0.0 0.0#

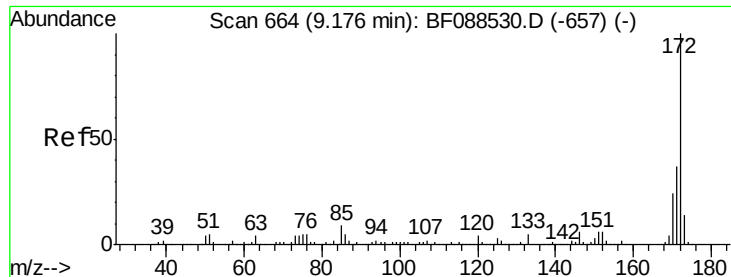


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

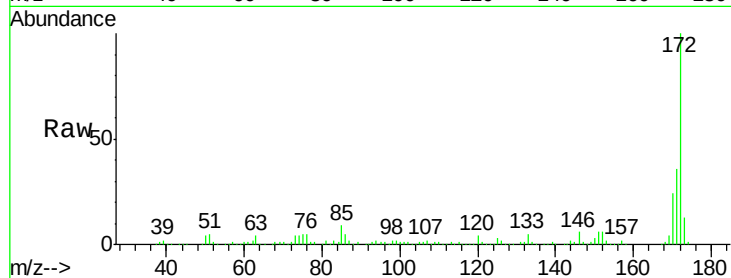




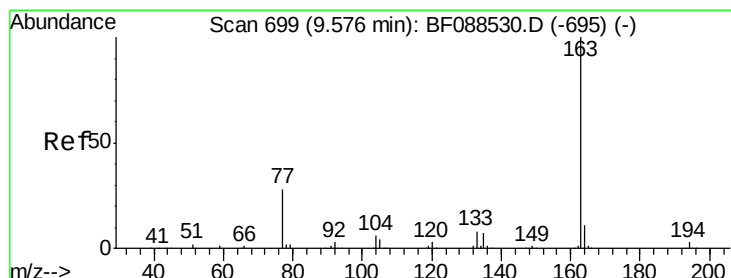
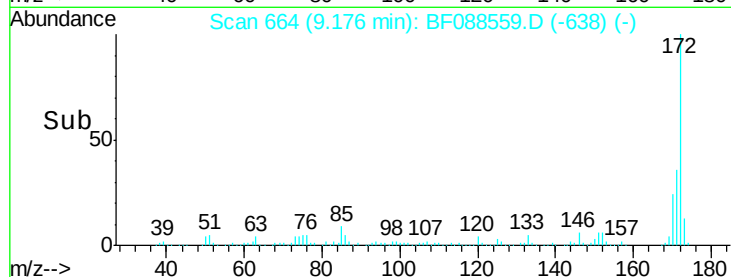
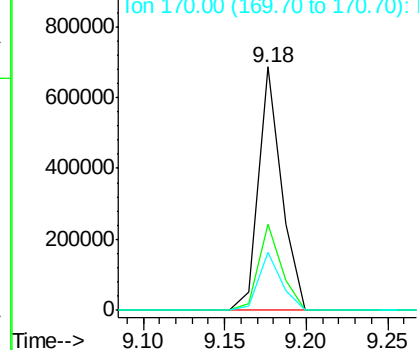
#44
2-Fluorobiphenyl
Concen: 44.91 ng
RT: 9.18 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF088559.D
Acq: 1 Jul 2016 5:40

Instrument :
BNA_F
ClientSampleId :
D9-B1(0-11)C

Tgt Ion:172 Resp: 672782
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.7 19.2 28.8

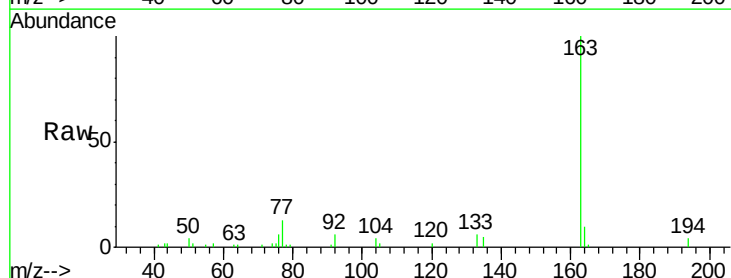


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

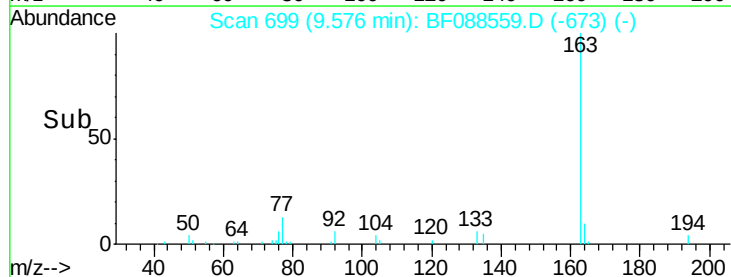
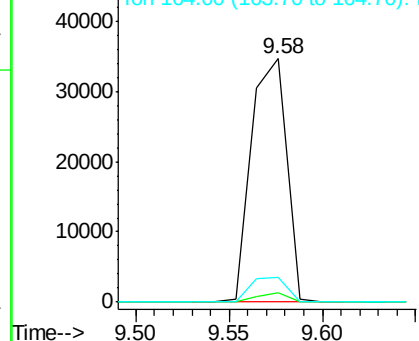


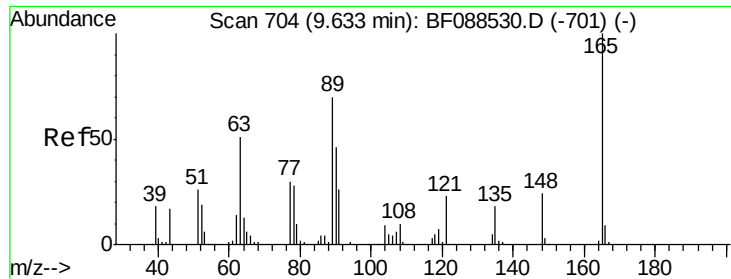
#49
Dimethylphthalate
Concen: 2.68 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF088559.D
Acq: 1 Jul 2016 5:40

Tgt Ion:163 Resp: 45243
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.9 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

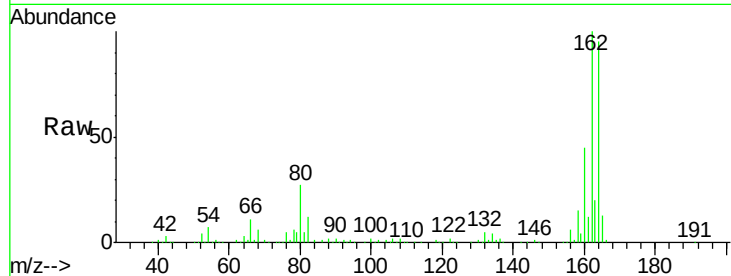




#50
 2,6-Dinitrotoluene
 Concen: 8.38 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.22 min
 Lab File: BF088559.D
 Acq: 1 Jul 2016 5:40

Instrument :
 BNA_F
 ClientSampleId :
 D9-B1(0-11)C

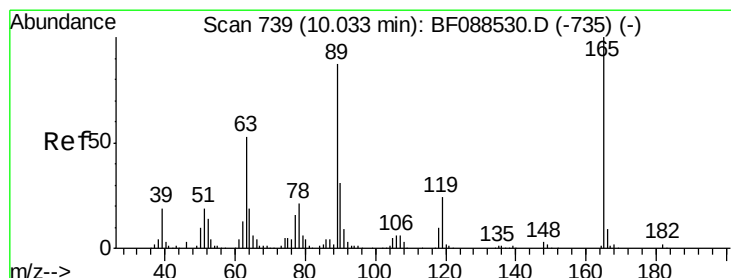
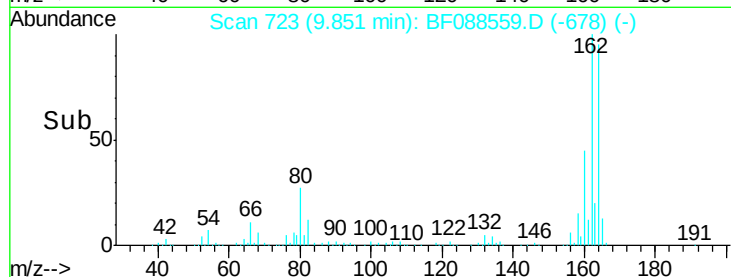
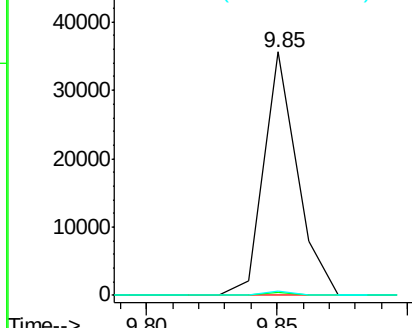
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.6	32.2	48.2#



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: 6.41 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.18 min
 Lab File: BF088559.D
 Acq: 1 Jul 2016 5:40

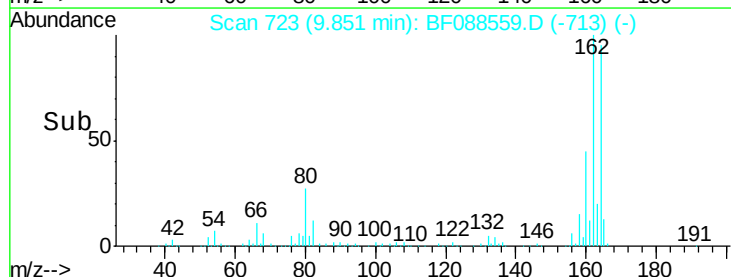
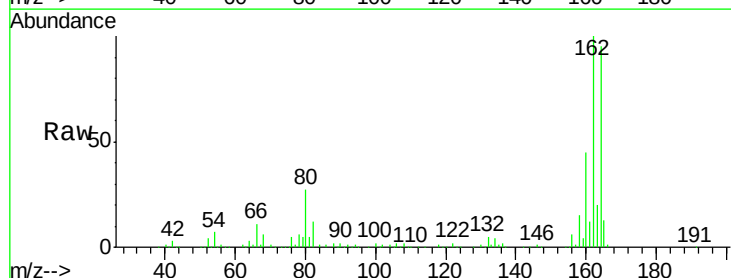
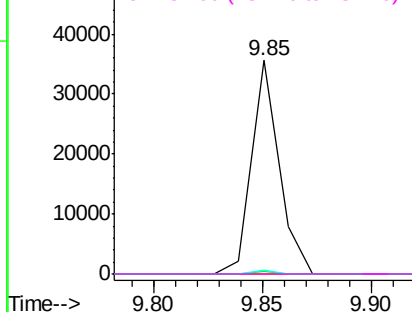
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#

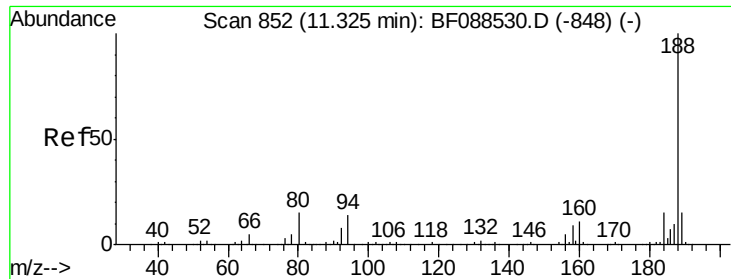
Abundance Ion 165.00 (164.70 to 165.70): E

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

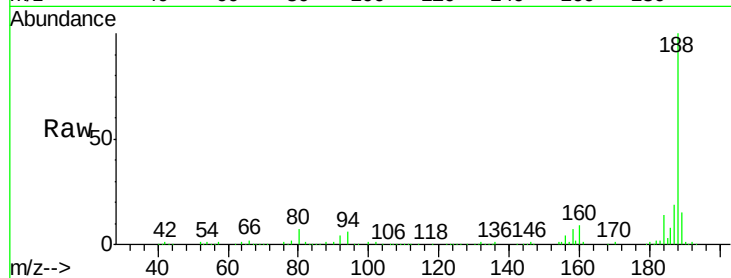




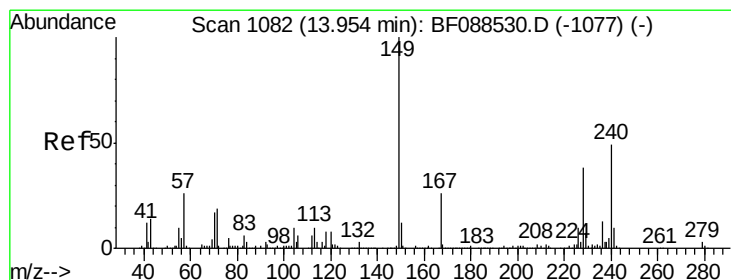
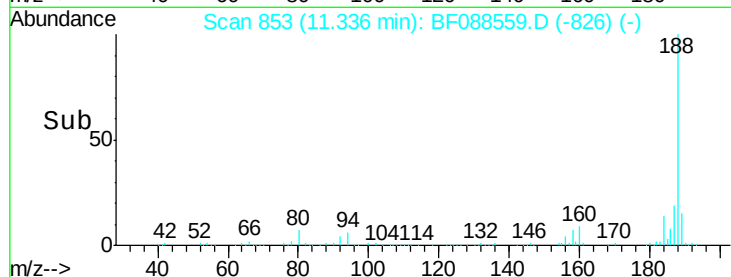
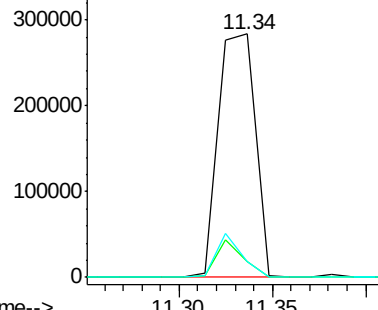
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. 0.01 min
Lab File: BF088559.D
Acq: 1 Jul 2016 5:40

Instrument :
BNA_F
ClientSampleId :
D9-B1(0-11)C

Tgt Ion:188 Resp: 389413
Ion Ratio Lower Upper
188 100
94 6.3 9.0 13.6#
80 6.6 10.0 15.0#

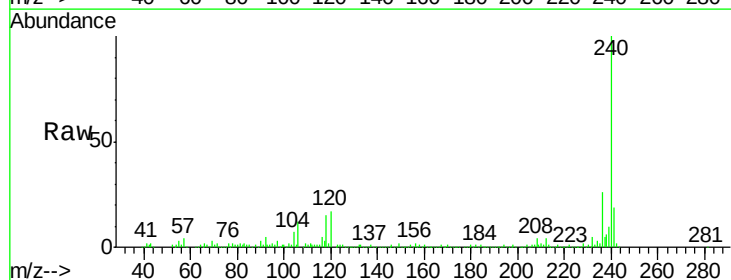


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

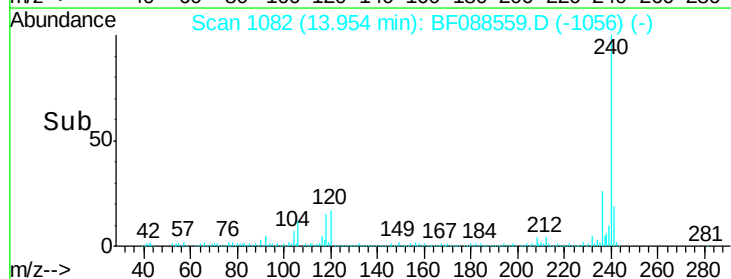
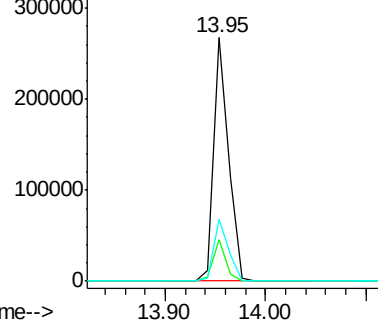


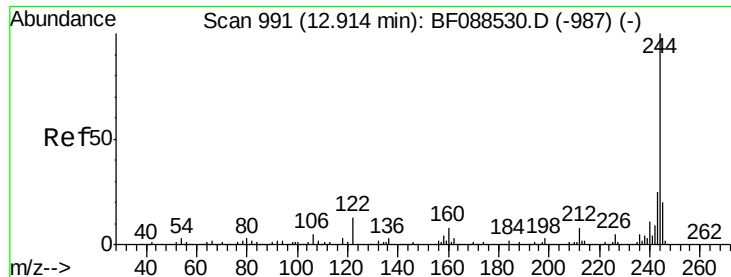
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. 0.00 min
Lab File: BF088559.D
Acq: 1 Jul 2016 5:40

Tgt Ion:240 Resp: 274090
Ion Ratio Lower Upper
240 100
120 16.9 6.8 10.2#
236 25.6 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

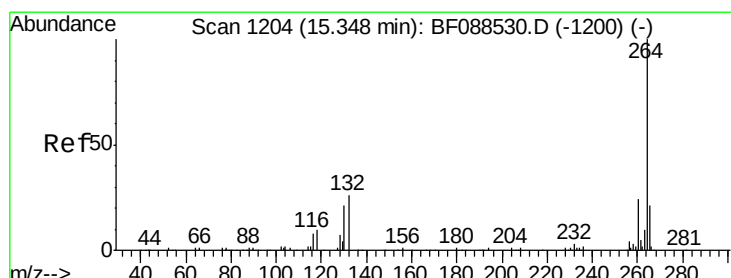
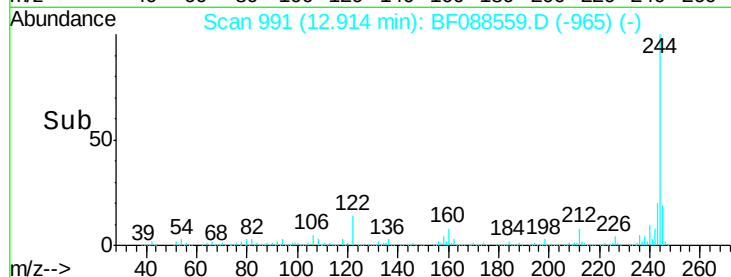
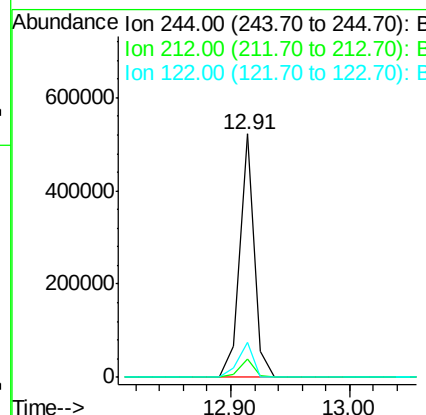
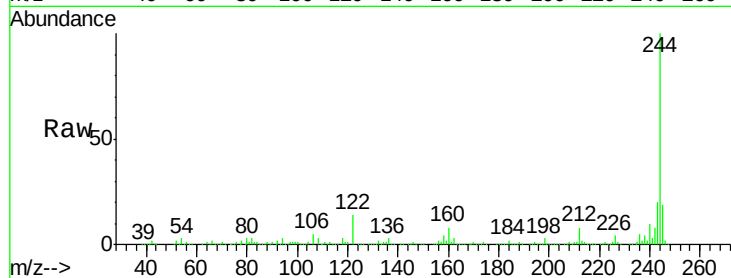




#78
 Terphenyl-d14
 Concen: 36.11 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088559.D
 Acq: 1 Jul 2016 5:40

Instrument :
 BNA_F
 ClientSampleId :
 D9-B1(0-11)C

Tgt Ion:244 Resp: 444411
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 14.4 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF088559.D
 Acq: 1 Jul 2016 5:40

Tgt Ion:264 Resp: 282157
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.5 16.9 25.3

