

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088594.D
 Acq On : 2 Jul 2016 1:07
 Operator : UM/SJ
 Sample : H3816-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

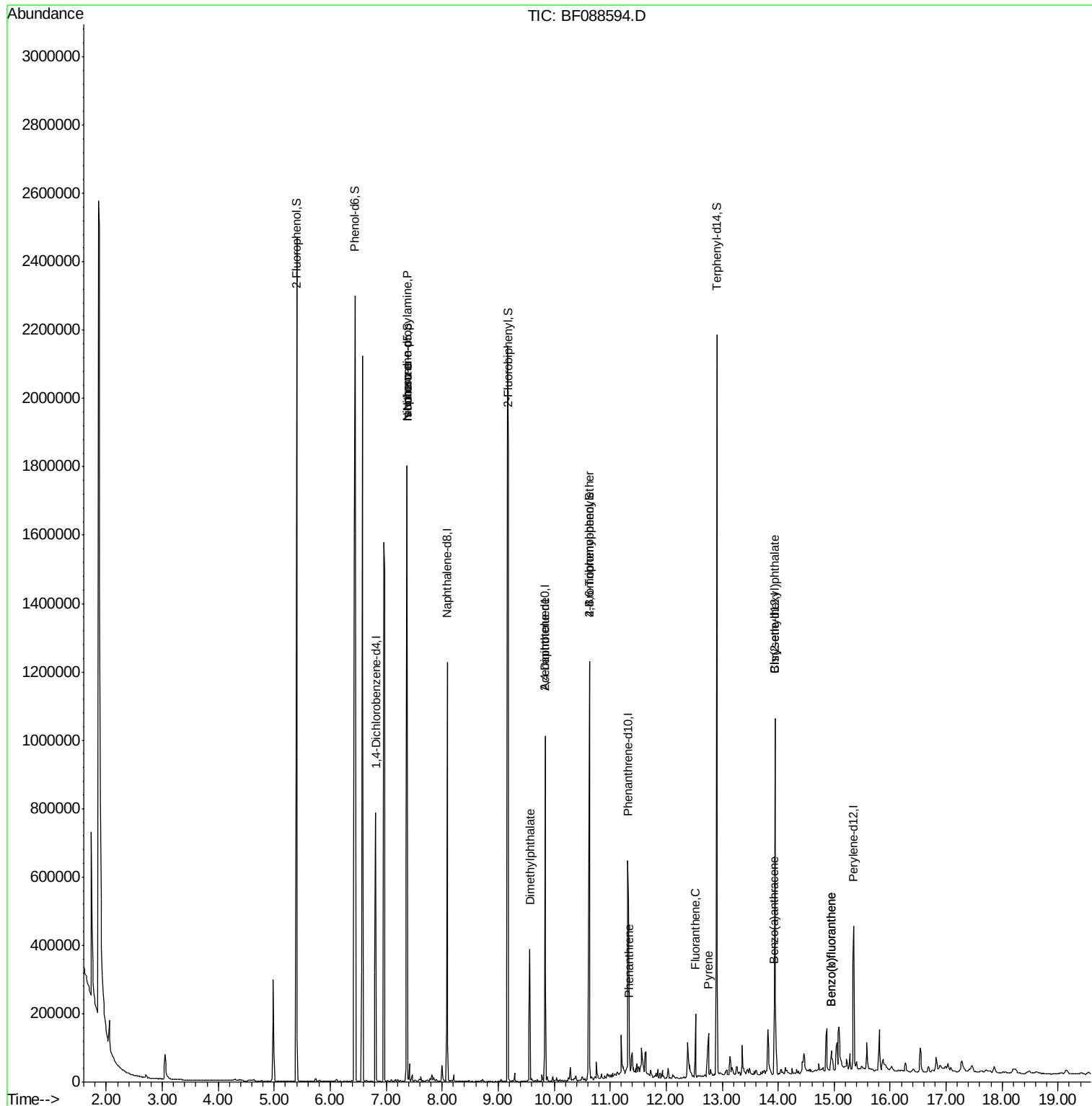
Quant Time: Jul 02 02:20:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

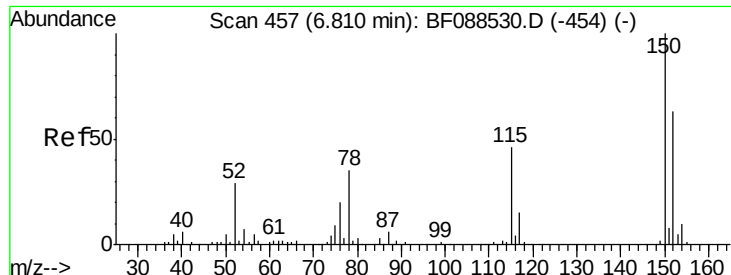
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128193	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	480610	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	194844	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	308126	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	232187	20.00	ng	-0.01
86) Perylene-d12	15.35	264	200662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	691894	80.89	ng	0.00
7) Phenol-d6	6.44	99	1069735	96.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	609442	66.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	154981	85.66	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	993990	80.58	ng	0.00
78) Terphenyl-d14	12.90	244	599671	57.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	85285	11.49	ng	# 73
25) Isophorone	7.37	82	447302	26.33	ng	# 65
49) Dimethylphthalate	9.56	163	177813	12.81	ng	98
56) 2,4-Dinitrotoluene	9.84	165	24757	6.15	ng	# 38
66) 4-Bromophenyl-phenylether	10.63	248	10619	3.42	ng	# 1
70) Phenanthrene	11.34	178	39922	2.37	ng	99
74) Fluoranthene	12.53	202	69233	4.05	ng	97
77) Pyrene	12.75	202	58141	2.95	ng	98
80) Benzo(a)anthracene	13.93	228	32279	2.16	ng	95
83) Bis(2-ethylhexyl)phthalate	13.94	149	70698	7.05	ng	99
87) Benzo(b)fluoranthene	14.95	252	41679	3.31	ng	# 94
88) Benzo(k)fluoranthene	14.95	252	41679	3.80	ng	99

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

```
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Instrument :

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ClientSampleId :

SB-08-COMP

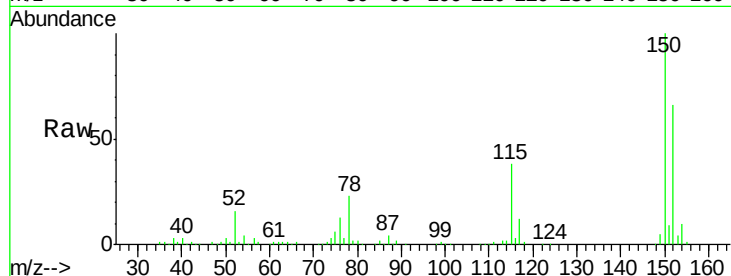
Tgt Ion:152 Resp: 128193

Ion Ratio Lower Upper

152 100

150 152.4 123.8 185.6

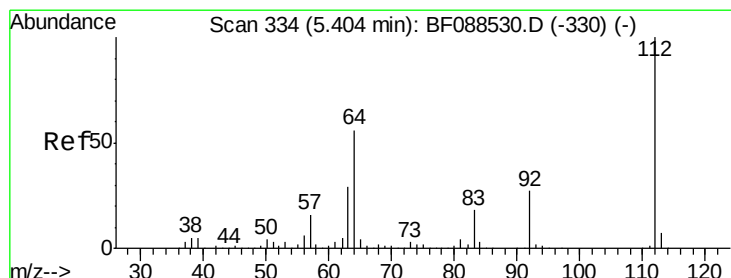
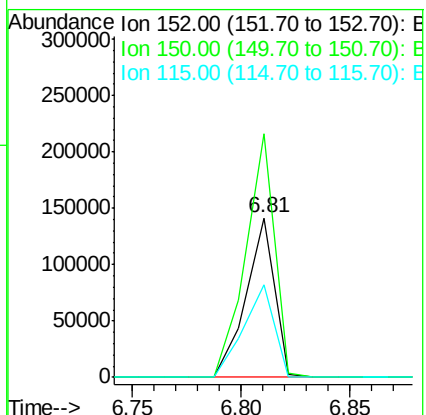
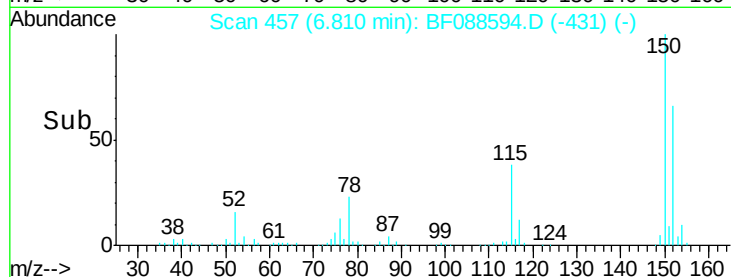
115 58.2 39.6 59.4



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: 80.89 ng

RT: 5.40 min Scan# 334

Delta R.T. 0.00 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

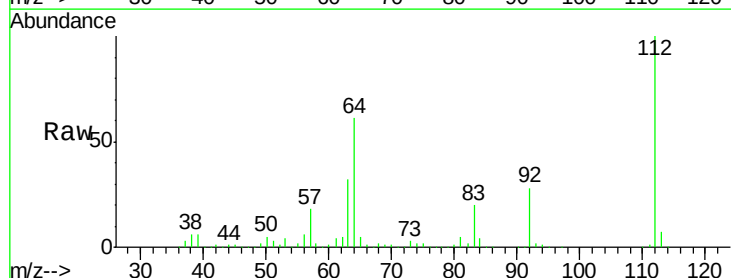
Tgt Ion:112 Resp: 691894

Ion Ratio Lower Upper

112 100

64 61.1 42.2 63.2

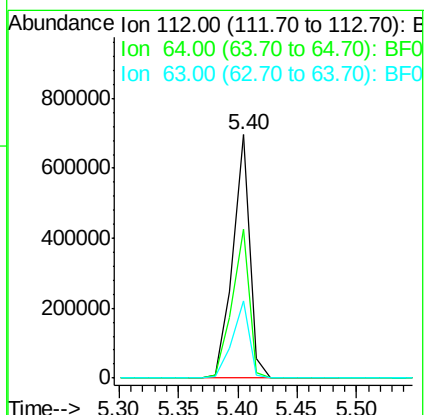
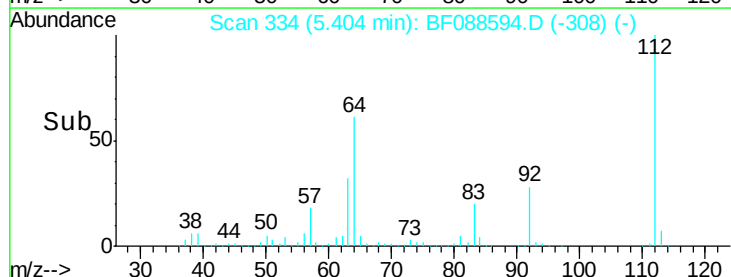
63 31.5 21.8 32.8

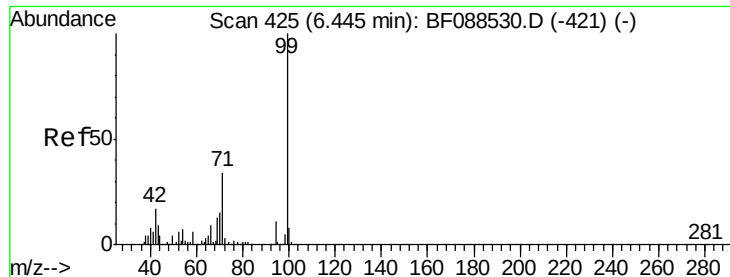


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.79 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Instrument :

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ClientSampleId :

SB-08-COMP

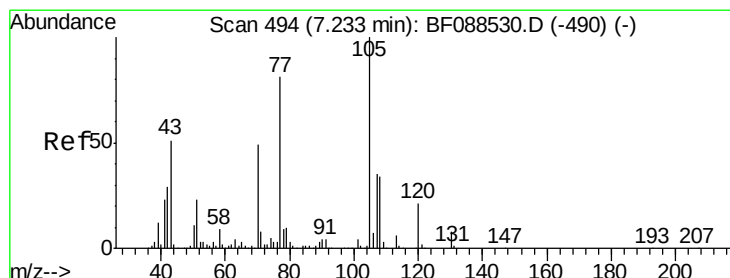
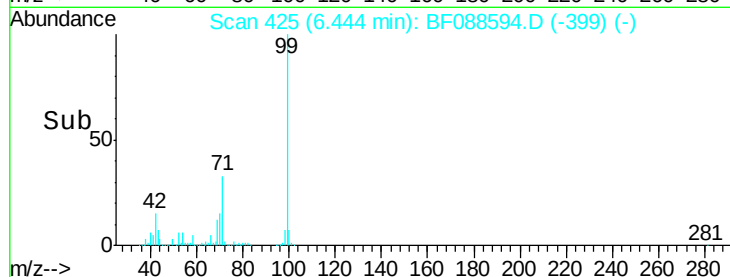
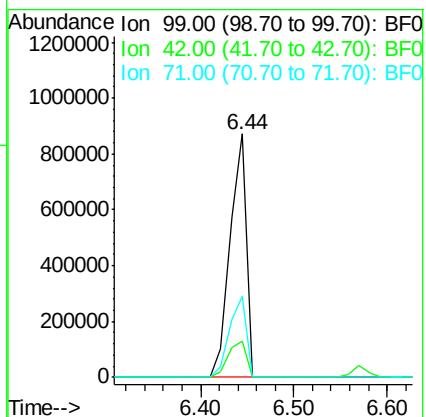
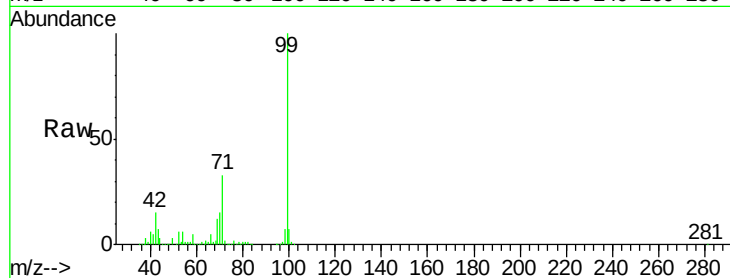
Tgt Ion: 99 Resp: 1069735

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.2

71 33.3 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.49 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.14 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Tgt Ion: 70 Resp: 85285

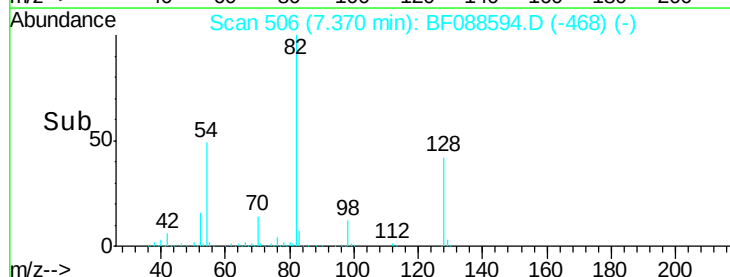
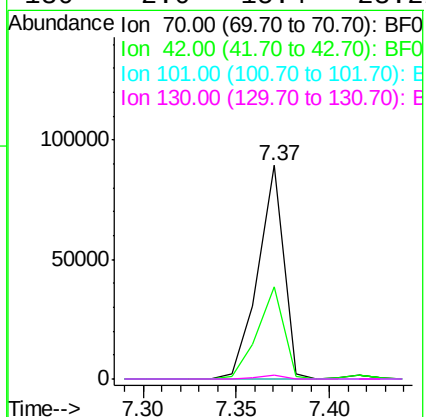
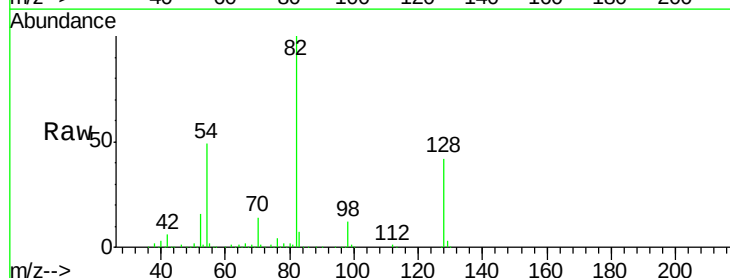
Ion Ratio Lower Upper

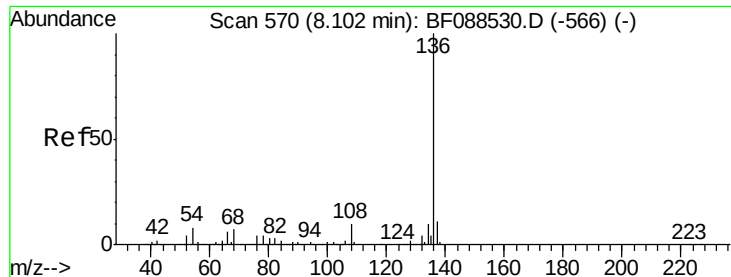
70 100

42 43.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

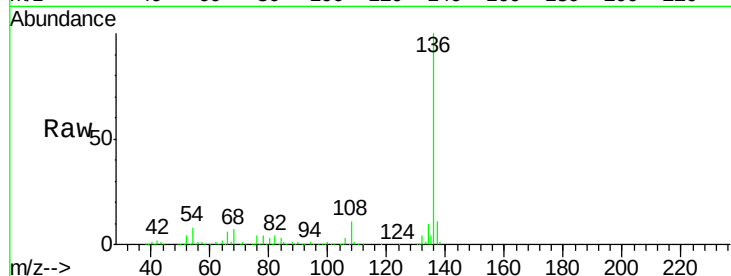




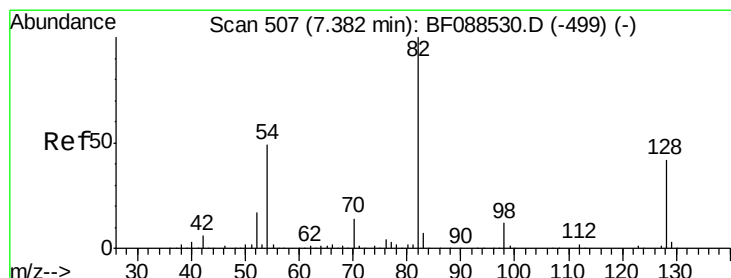
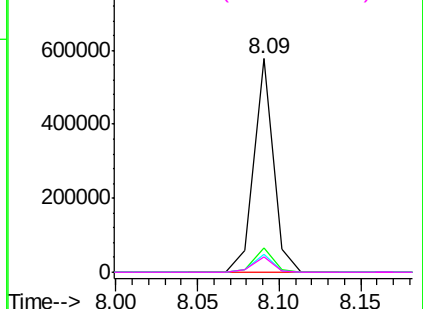
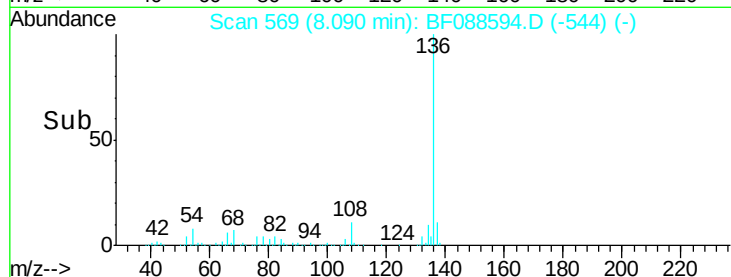
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:	136	Resp:	480610
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	8.5	6.6	10.0
68	7.2	5.1	7.7

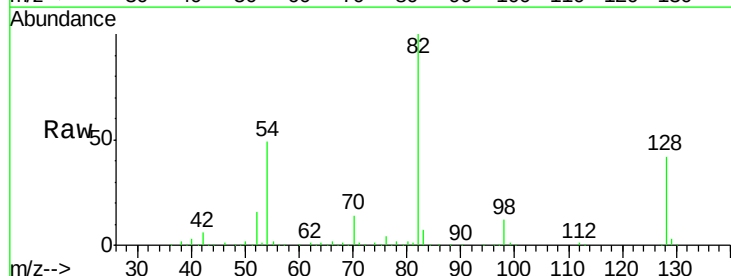


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

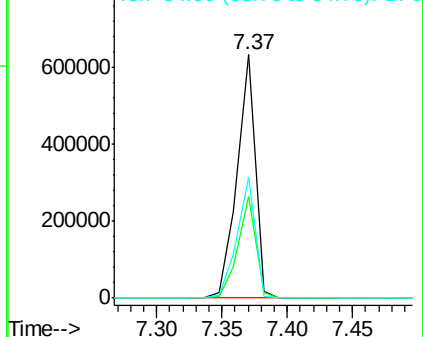
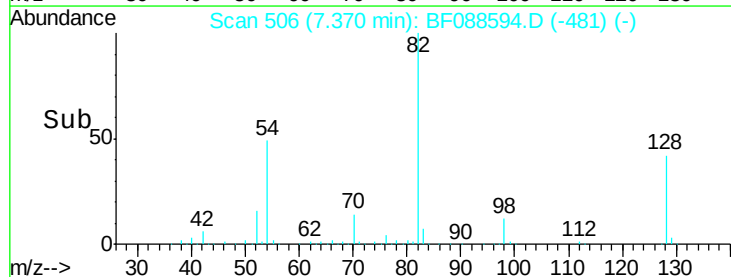


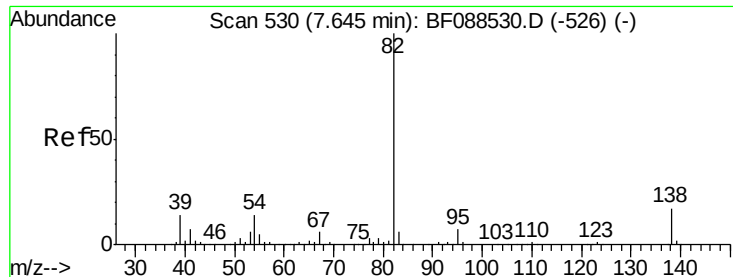
#23
Nitrobenzene-d5
Concen: 66.45 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Tgt Ion:	82	Resp:	609442
Ion	Ratio	Lower	Upper
82	100		
128	41.6	35.9	53.9
54	49.4	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





#25

Isophorone

Concen: 26.33 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.27 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

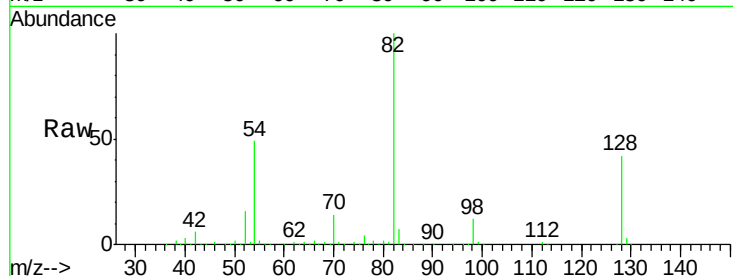
Tgt Ion: 82 Resp: 447302

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#

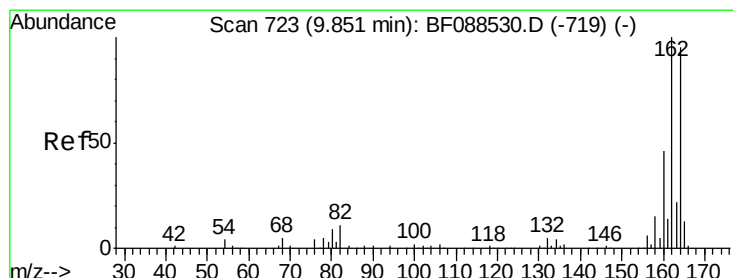
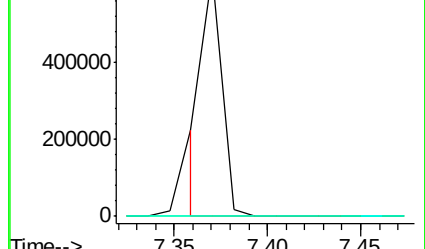
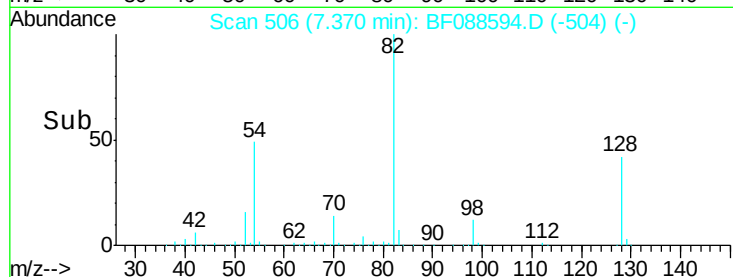


Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-526) (-)

Ion 138.00 (137.70 to 138.70): BF088530.D (-526) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

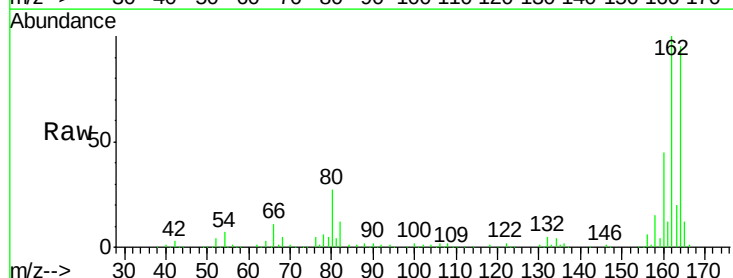
Tgt Ion: 164 Resp: 194844

Ion Ratio Lower Upper

164 100

162 104.9 85.4 128.2

160 47.4 39.5 59.3

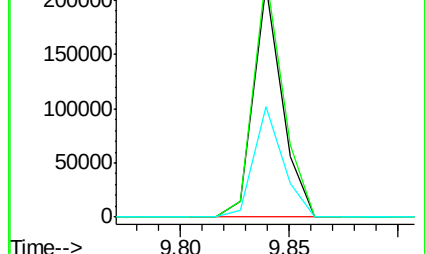
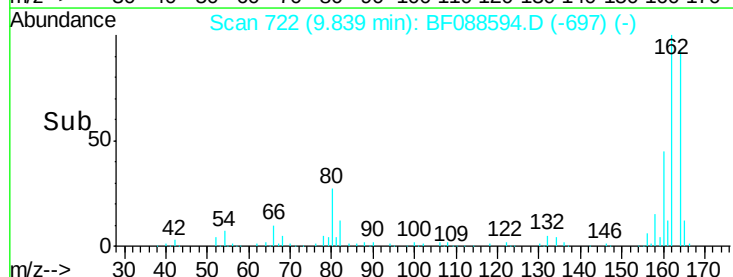


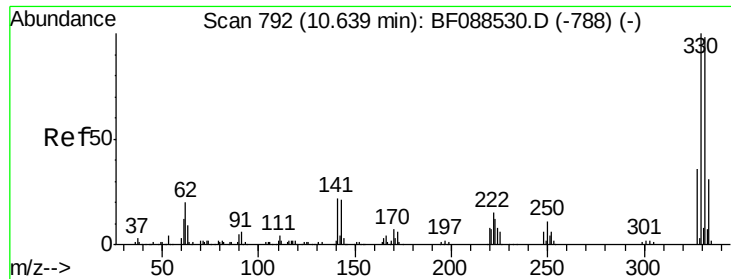
Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF088530.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF088530.D (-719) (-)

Time-->

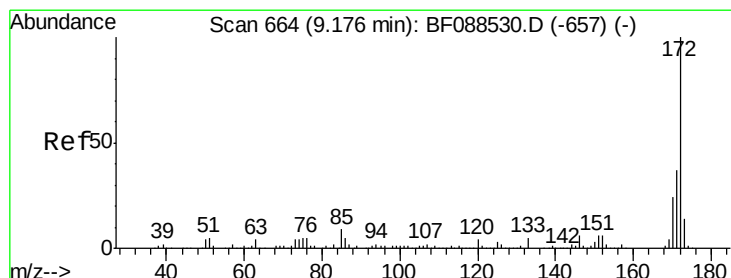
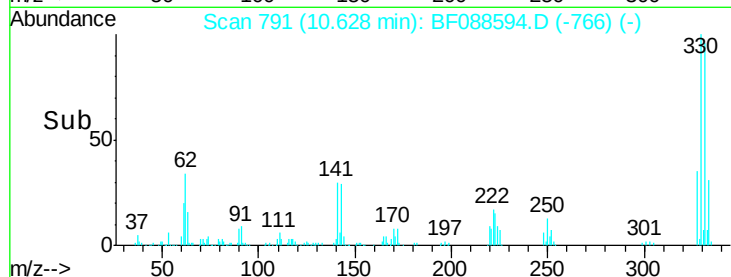
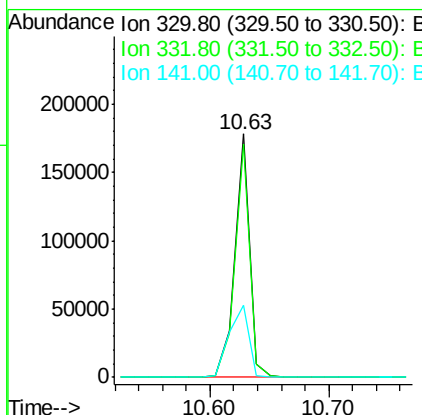
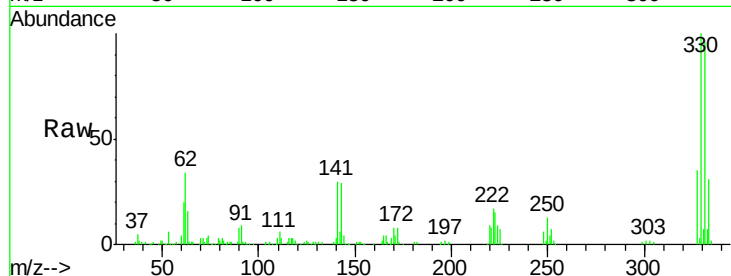




#41
 2,4,6-Tribromophenol
 Concen: 85.66 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF088594.D
 Acq: 2 Jul 2016 1:07

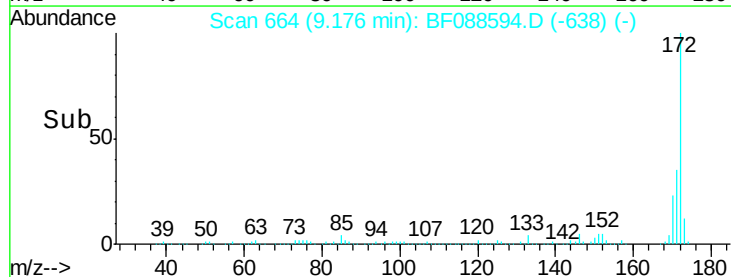
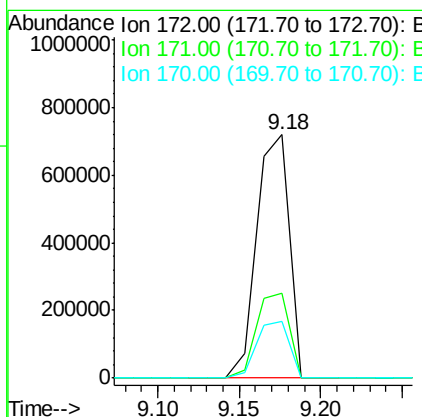
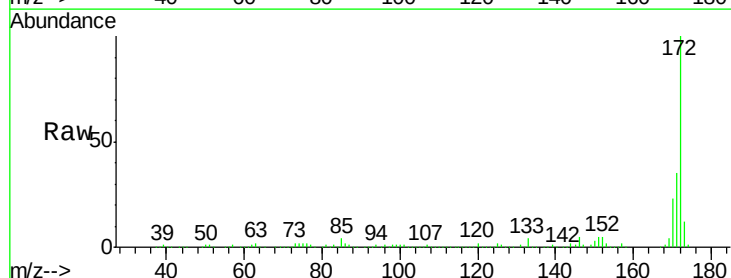
Instrument :
 BNA_F
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 SB-08-COMP

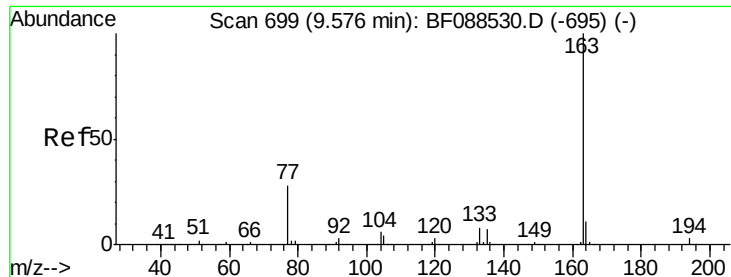
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	39.4	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 80.58 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088594.D
 Acq: 2 Jul 2016 1:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.4	19.2	28.8

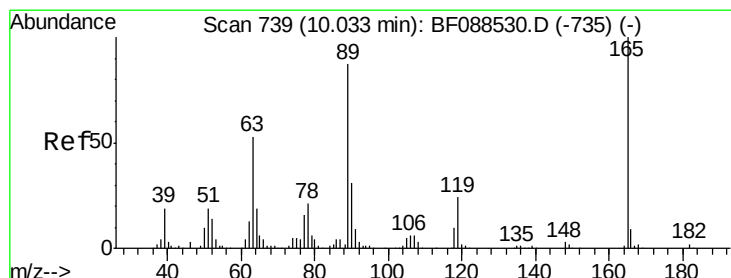
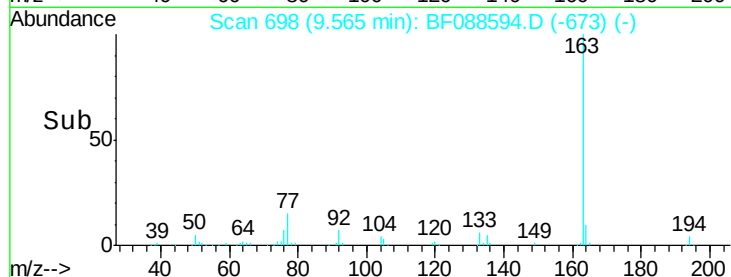
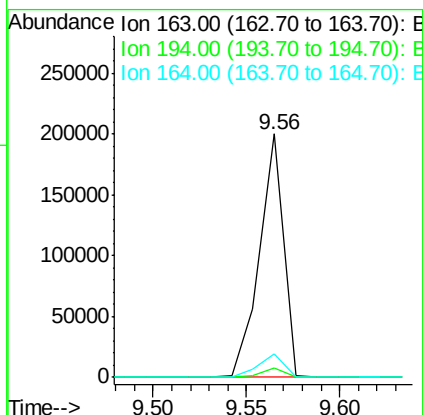
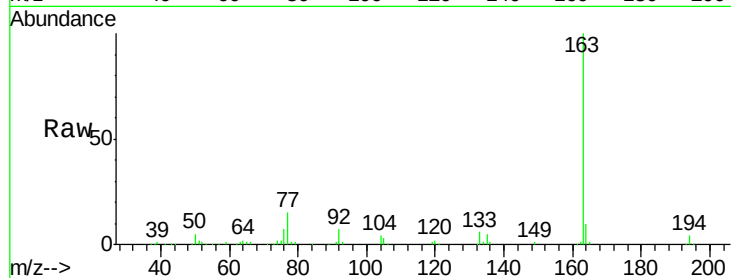




#49
Dimethylphthalate
Concen: 12.81 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

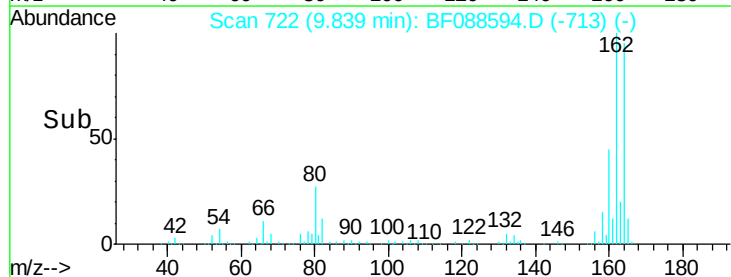
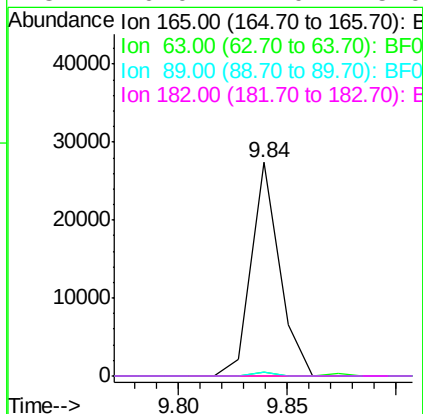
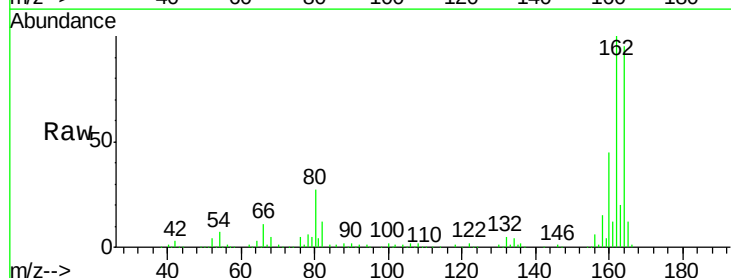
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

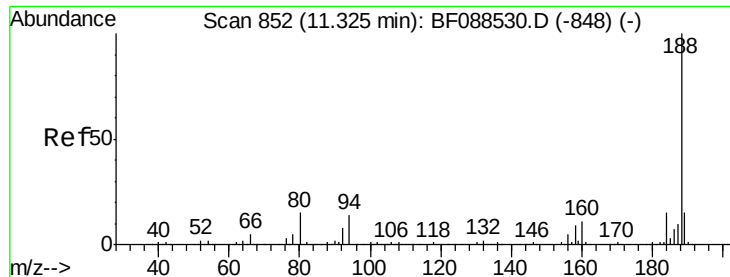
Tgt Ion:163 Resp: 177813
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.6 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.19 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Tgt Ion:165 Resp: 24757
Ion Ratio Lower Upper
165 100
63 1.5 22.0 33.0#
89 1.7 41.1 61.7#
182 0.0 2.0 3.0#

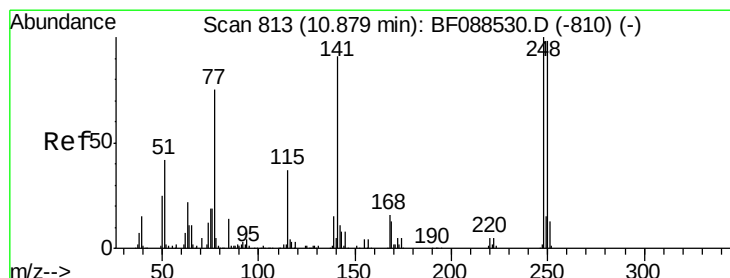
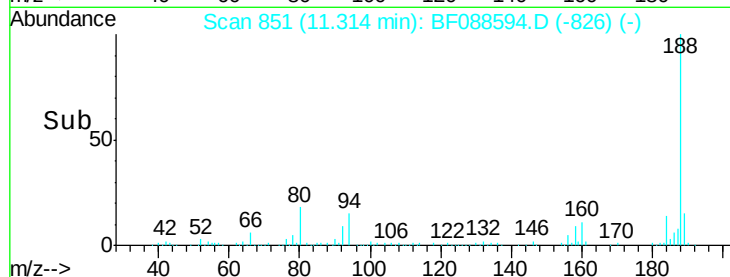
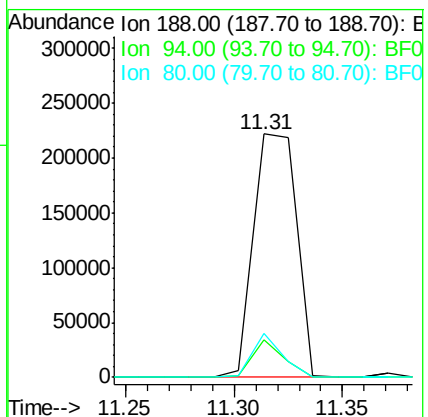
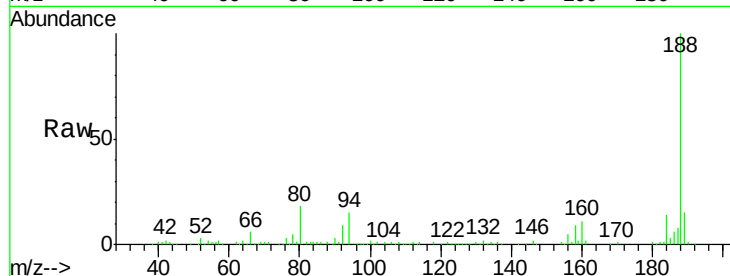




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

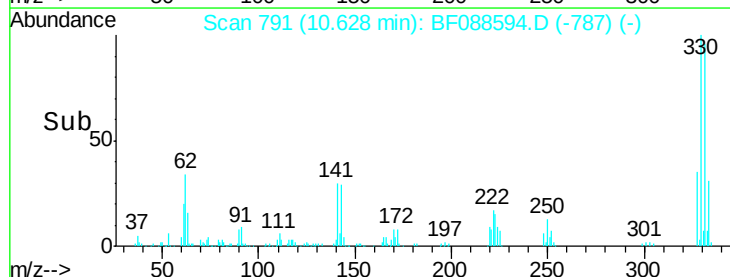
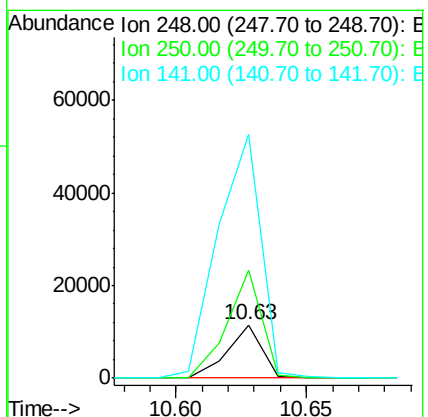
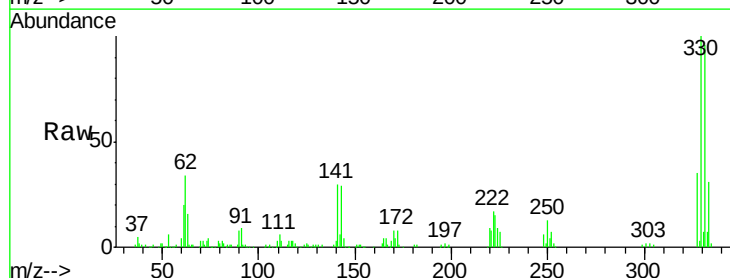
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

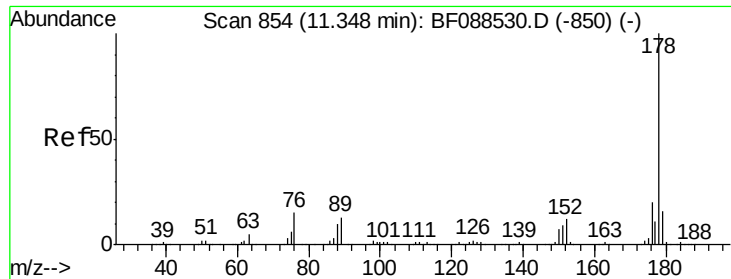
Tgt Ion:188 Resp: 308126
Ion Ratio Lower Upper
188 100
94 15.3 9.0 13.6#
80 18.2 10.0 15.0#



#66
4-Bromophenyl-phenylether
Concen: 3.42 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.25 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Tgt Ion:248 Resp: 10619
Ion Ratio Lower Upper
248 100
250 202.0 77.1 115.7#
141 456.1 50.6 76.0#

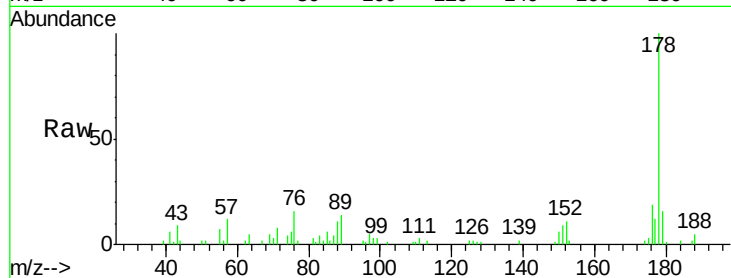




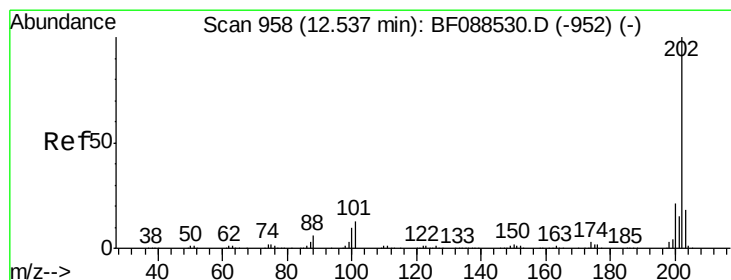
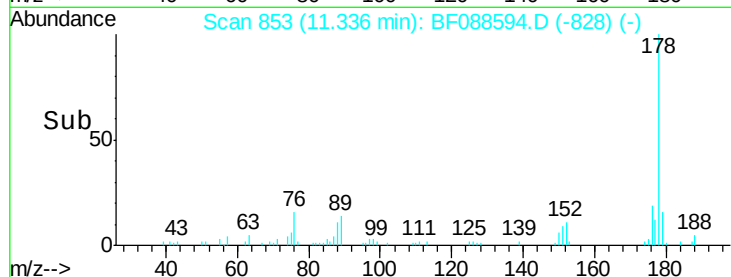
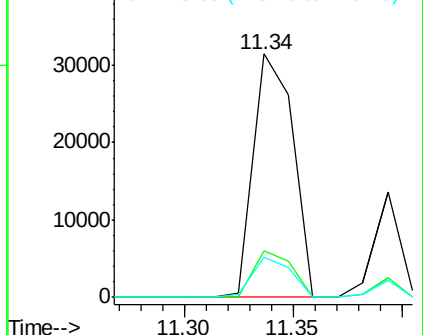
#70
Phenanthrene
Concen: 2.37 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:178 Resp: 39922
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 16.2 13.0 19.4

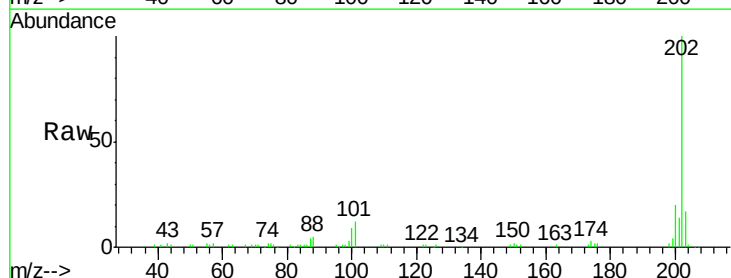


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

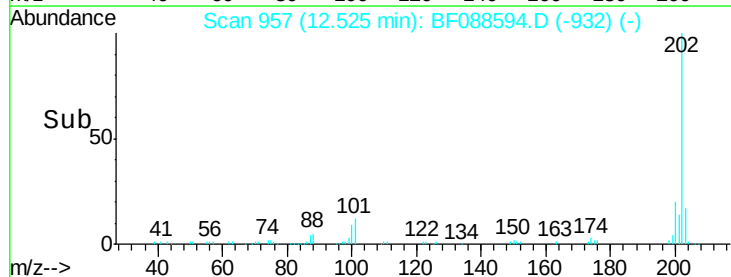
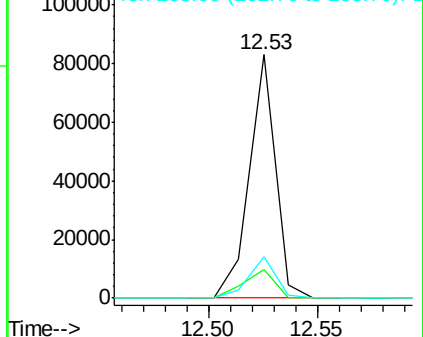


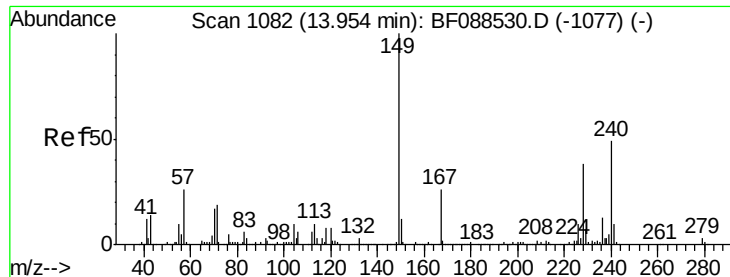
#74
Fluoranthene
Concen: 4.05 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Tgt Ion:202 Resp: 69233
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.1
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

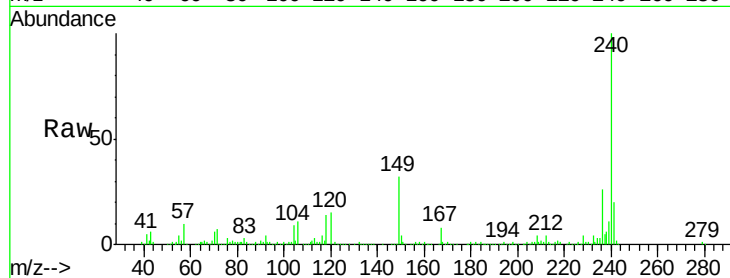
Tgt Ion:240 Resp: 232187

Ion Ratio Lower Upper

240 100

120 15.2 6.8 10.2#

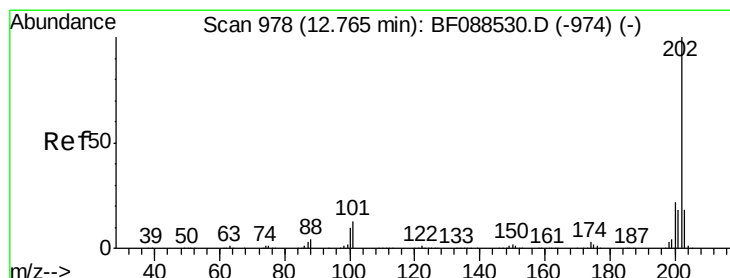
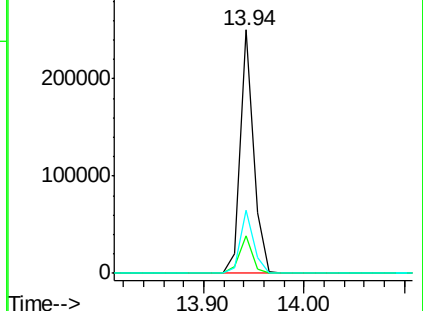
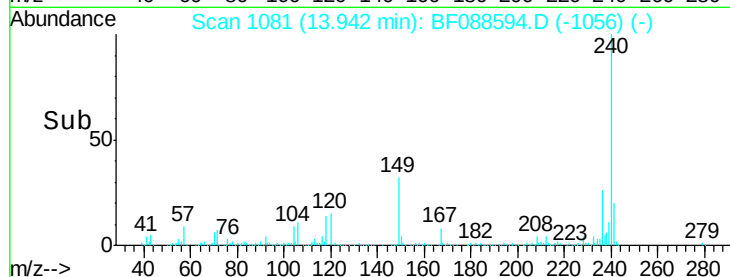
236 26.0 20.2 30.2



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



#77

Pyrene

Concen: 2.95 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

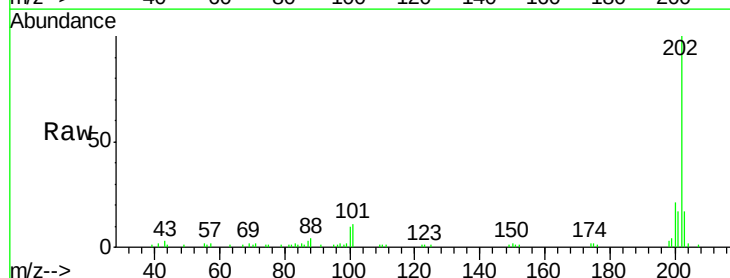
Tgt Ion:202 Resp: 58141

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

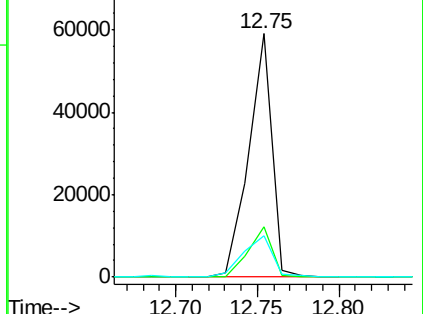
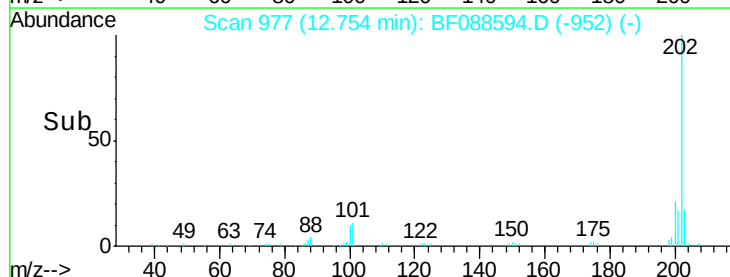
203 17.1 14.5 21.7

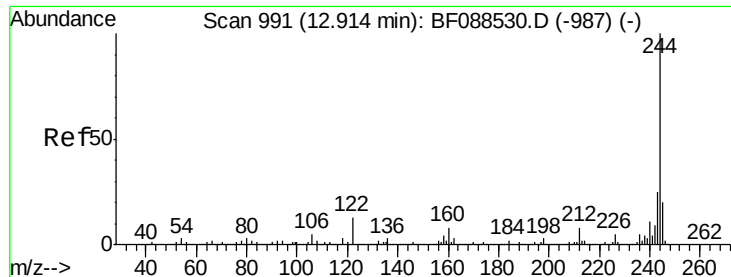


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.53 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

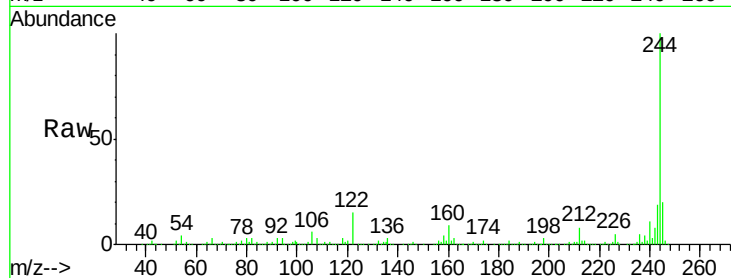
Tgt Ion:244 Resp: 599671

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

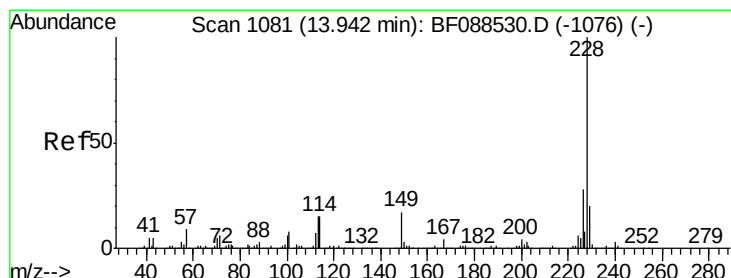
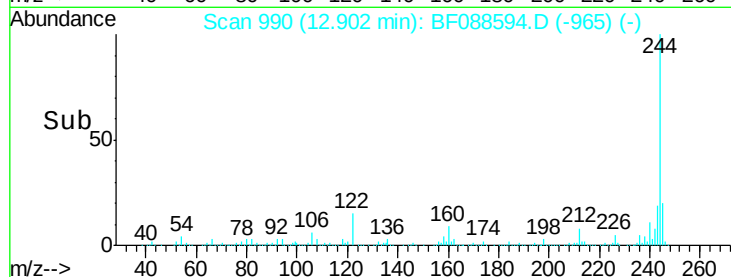
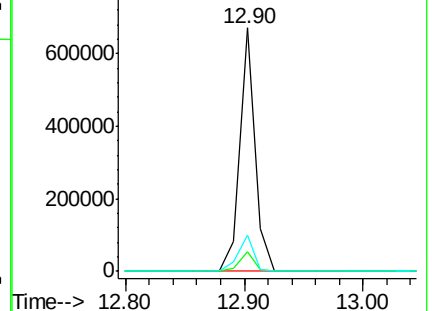
122 15.1 11.2 16.8



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



#80

Benzo(a)anthracene

Concen: 2.16 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

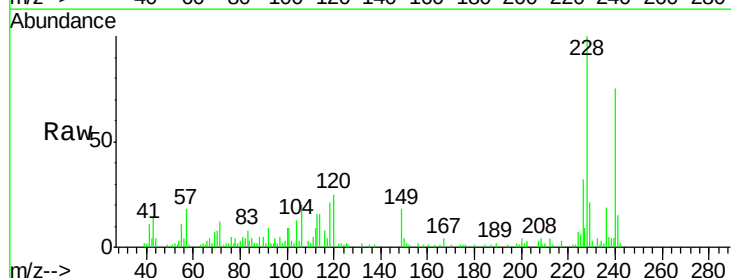
Tgt Ion:228 Resp: 32279

Ion Ratio Lower Upper

228 100

226 32.2 22.3 33.5

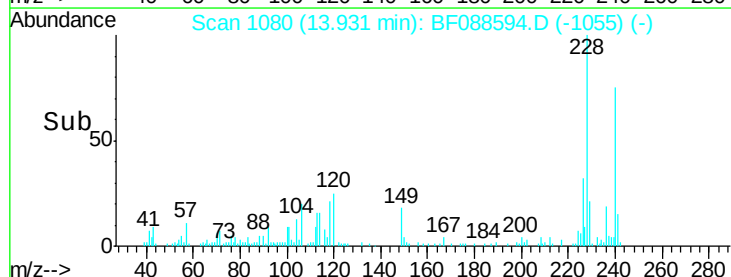
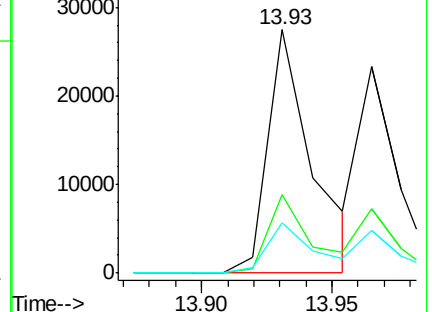
229 20.8 16.0 24.0

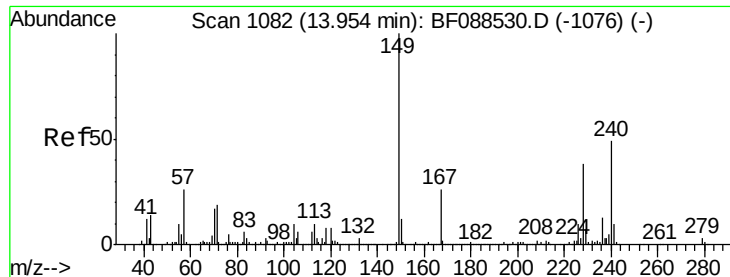


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.05 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

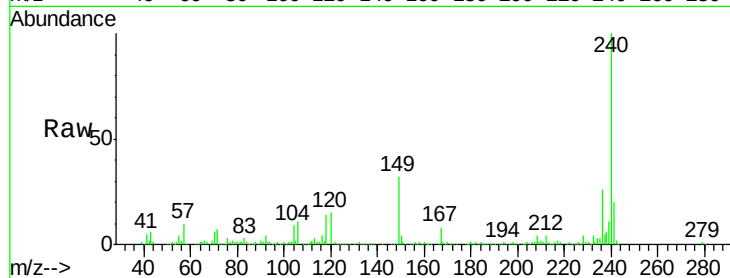
Tgt Ion:149 Resp: 70698

Ion Ratio Lower Upper

149 100

167 25.1 20.5 30.7

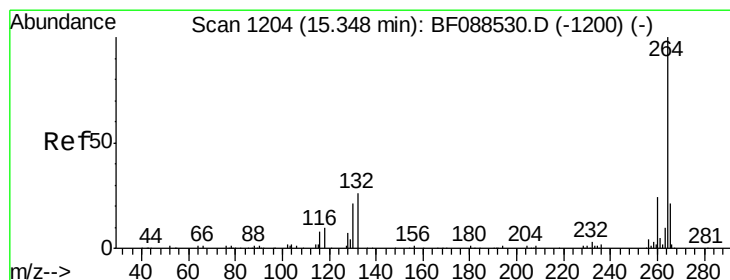
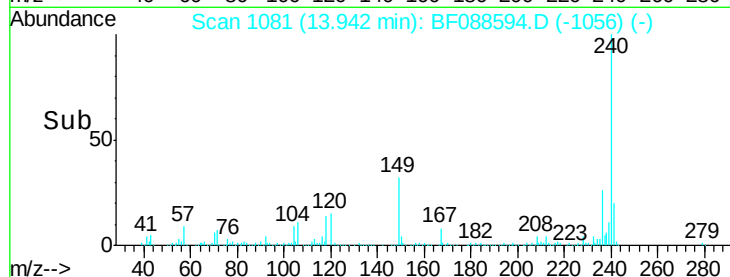
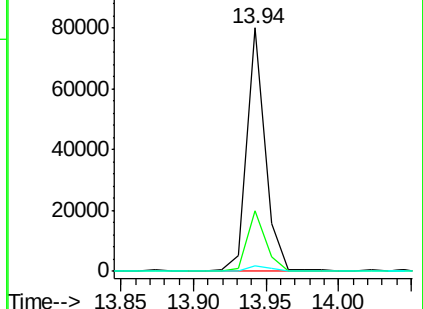
279 2.3 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088594.D

Acq: 2 Jul 2016 1:07

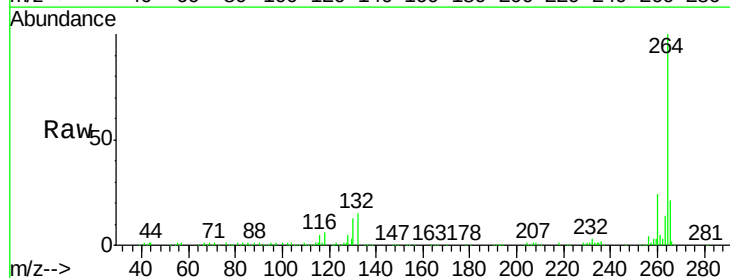
Tgt Ion:264 Resp: 200662

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

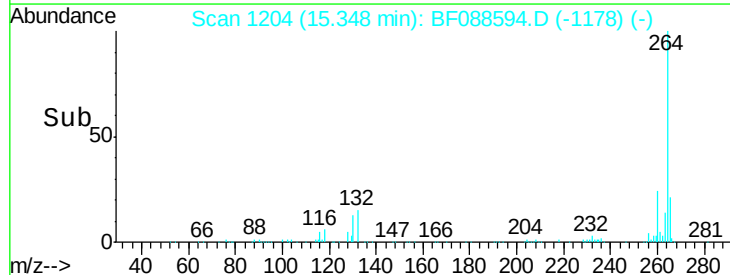
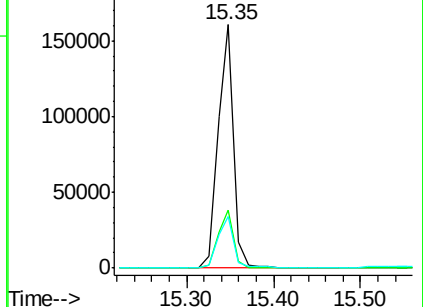
265 21.2 16.9 25.3

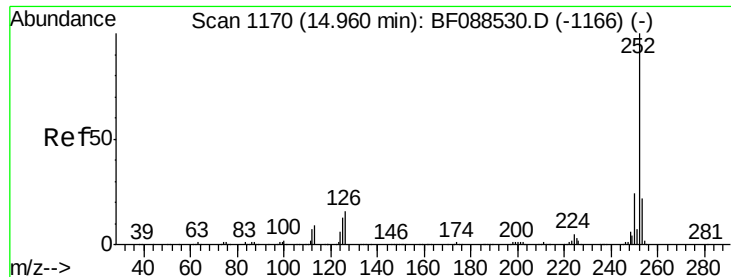


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

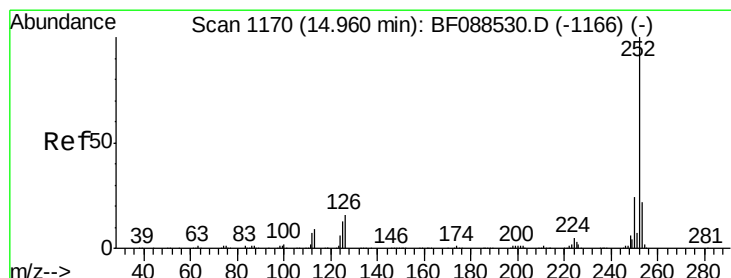
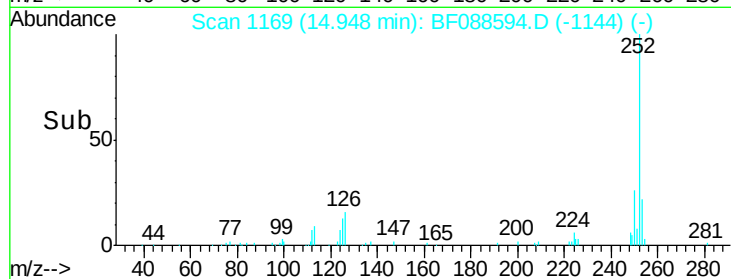
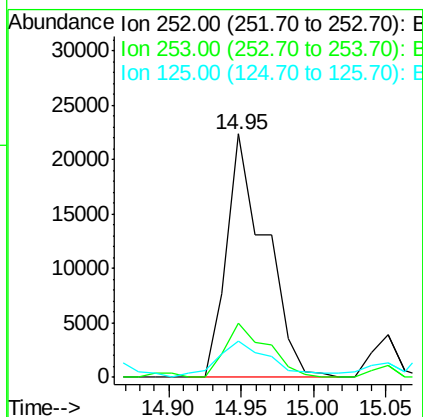
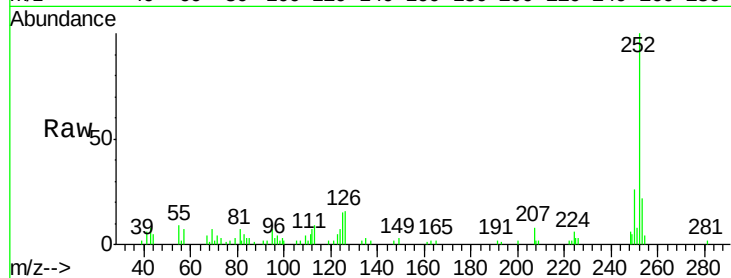




#87
Benzo(b)fluoranthene
Concen: 3.31 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion:252 Resp: 41679
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 15.1 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 3.80 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088594.D
Acq: 2 Jul 2016 1:07

Tgt Ion:252 Resp: 41679
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 15.1 11.2 16.8

