

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088723.D
 Acq On : 6 Jul 2016 1:05
 Operator : UM/SJ
 Sample : H3881-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B4-6-12-C

Quant Time: Jul 06 01:41:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

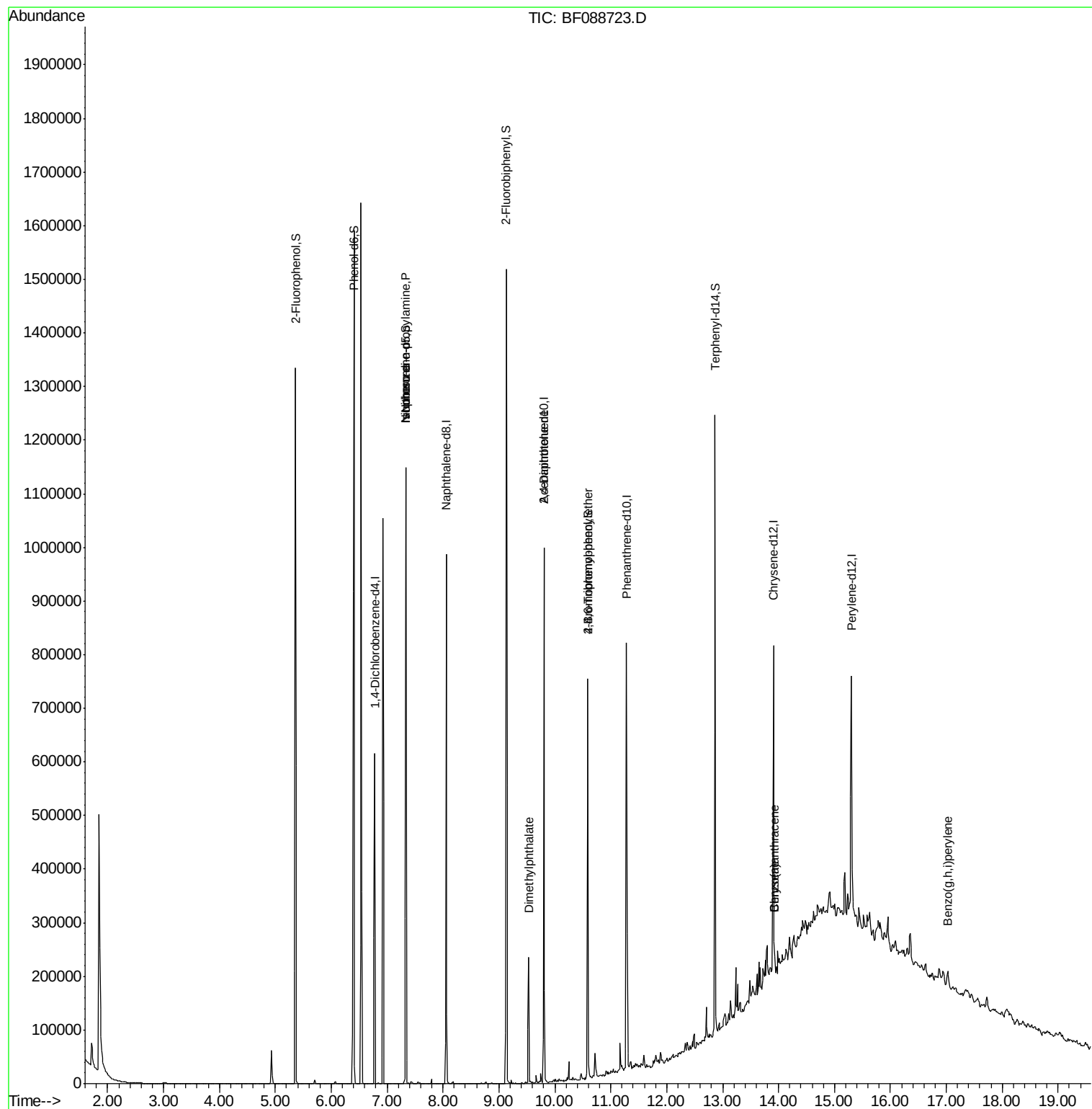
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	103520	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	399711	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	176981	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	285217	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	202675	20.00	ng	-0.01
86) Perylene-d12	15.30	264	193281	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	441019	63.85	ng	-0.01
7) Phenol-d6	6.41	99	666791	74.71	ng	0.00
23) Nitrobenzene-d5	7.34	82	371089	48.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	114818	69.86	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	510703	45.58	ng	-0.01
78) Terphenyl-d14	12.87	244	389003	42.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	49957	8.33	ng	# 72
25) Isophorone	7.34	82	292141	20.68	ng	# 65
49) Dimethylphthalate	9.53	163	108134	8.58	ng	98
56) 2,4-Dinitrotoluene	9.80	165	22762	6.23	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	7440	2.59	ng	# 1
80) Benzo(a)anthracene	13.93	228	27430	2.10	ng	# 46
82) Chrysene	13.93	228	27430	2.12	ng	# 54
91) Benzo(g,h,i)perylene	17.03	276	25216	2.84	ng	93

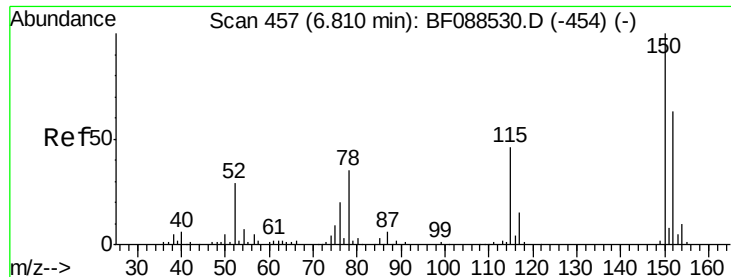
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

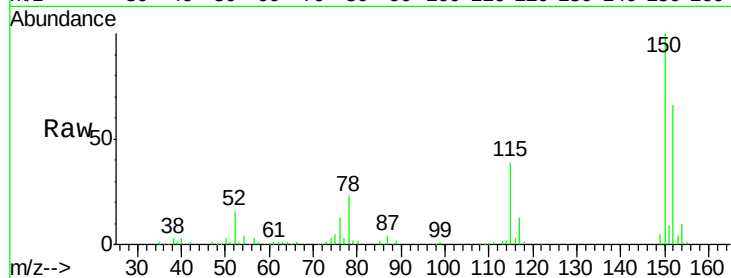
Tgt Ion:152 Resp: 103520

Ion Ratio Lower Upper

152 100

150 151.8 123.8 185.6

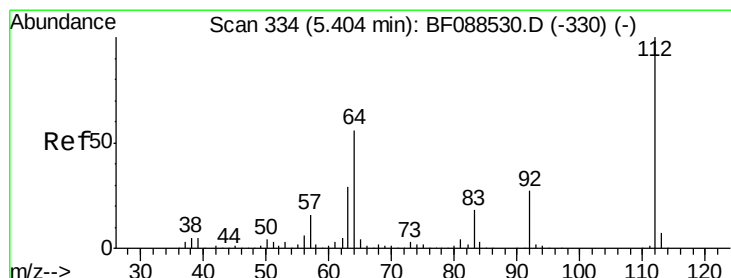
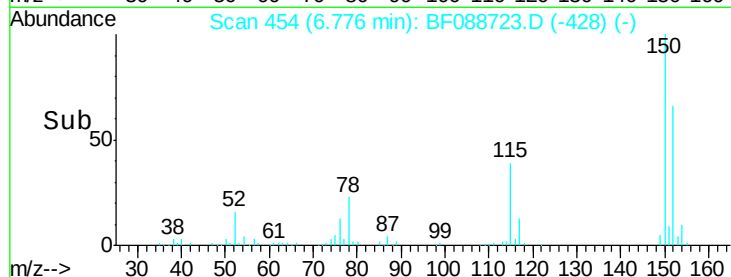
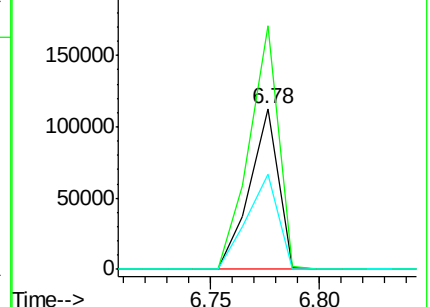
115 59.4 39.6 59.4



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: 63.85 ng

RT: 5.36 min Scan# 330

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

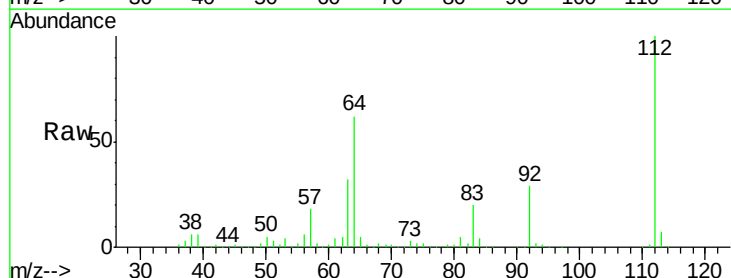
Tgt Ion:112 Resp: 441019

Ion Ratio Lower Upper

112 100

64 62.0 42.2 63.2

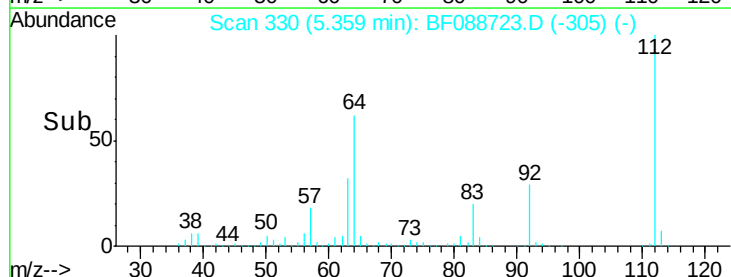
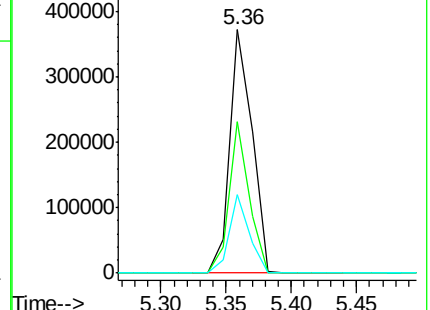
63 32.2 21.8 32.8

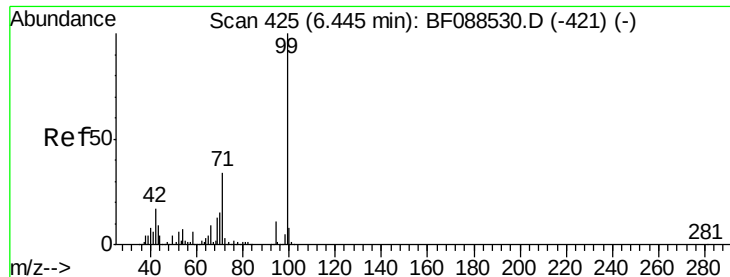


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 74.71 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

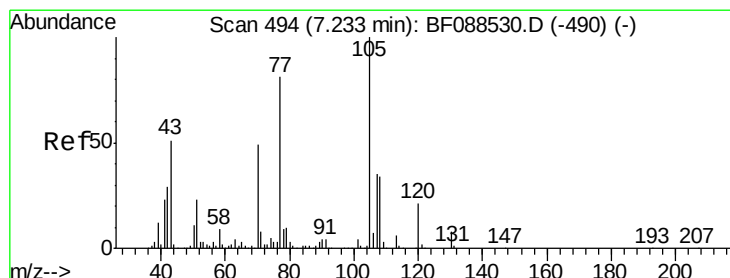
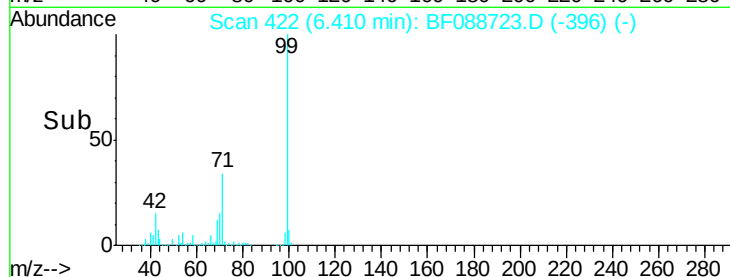
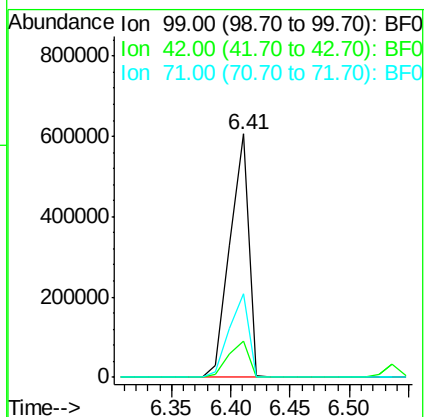
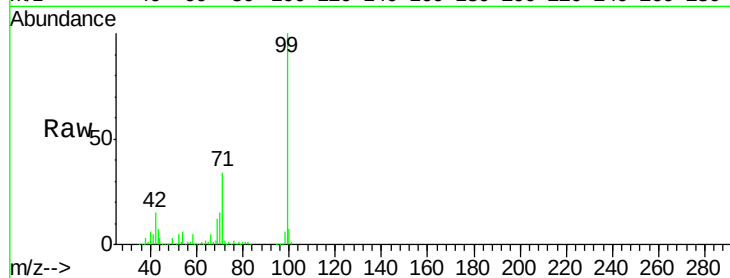
Tgt Ion: 99 Resp: 666791

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

71 34.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.33 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Tgt Ion: 70 Resp: 49957

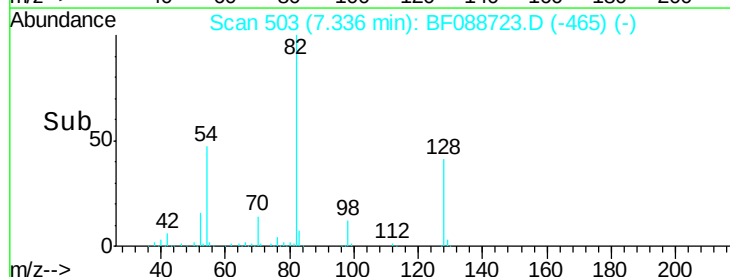
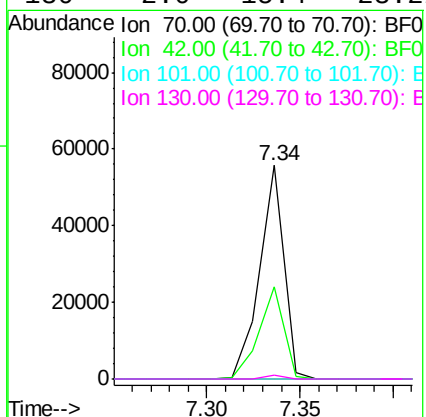
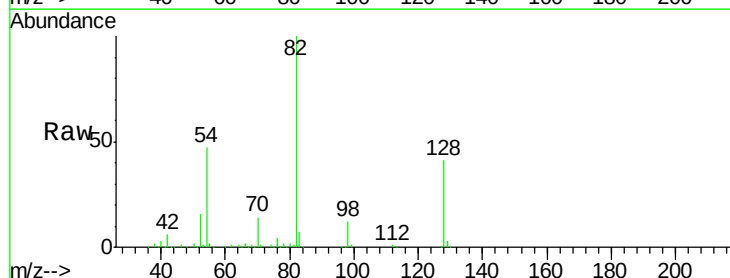
Ion Ratio Lower Upper

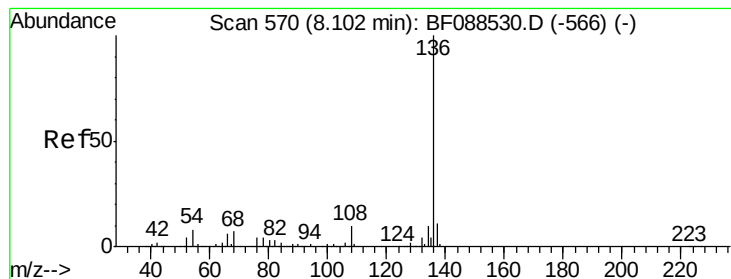
70 100

42 43.0 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: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

Tgt Ion: 136 Resp: 399711

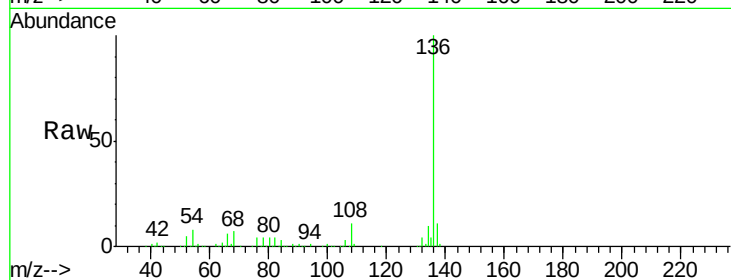
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.3 6.6 10.0

68 6.9 5.1 7.7

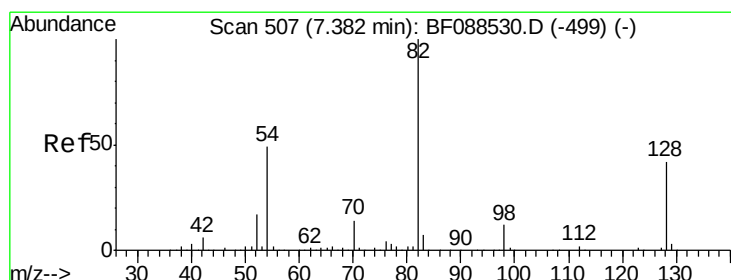
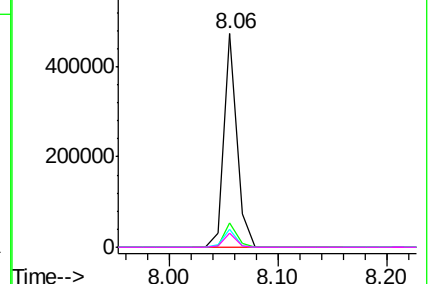
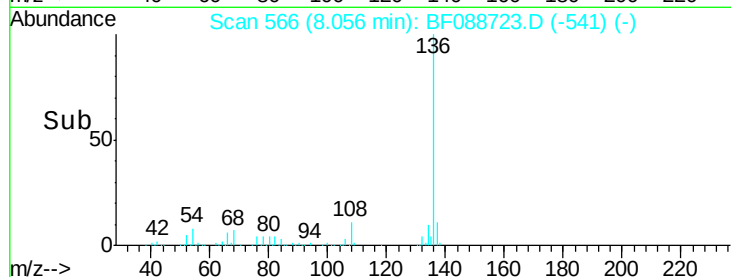


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.65 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

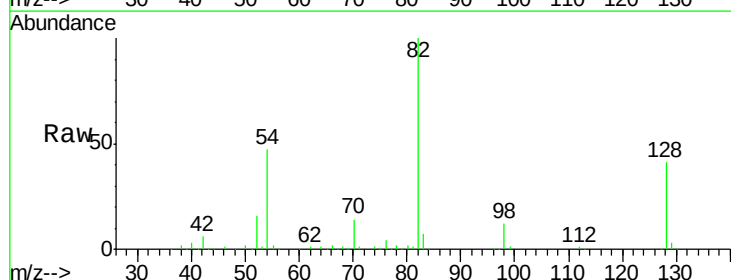
Tgt Ion: 82 Resp: 371089

Ion Ratio Lower Upper

82 100

128 40.9 35.9 53.9

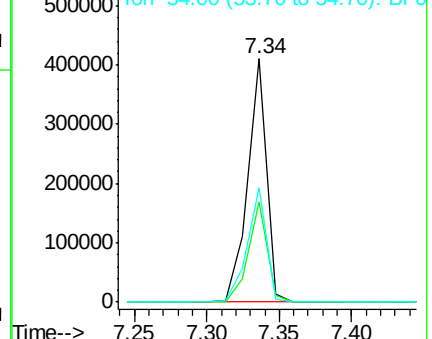
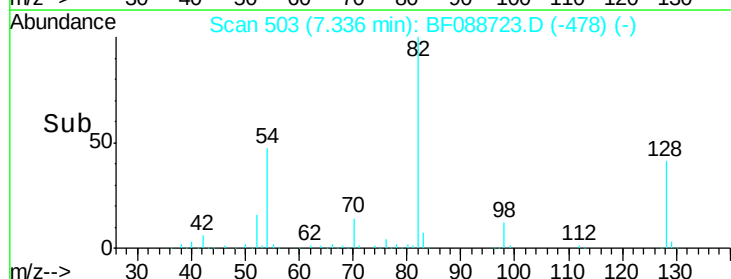
54 47.1 40.9 61.3

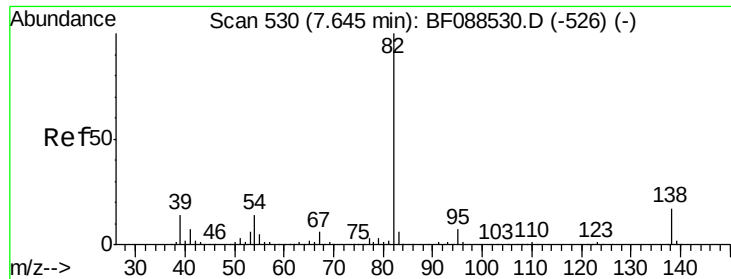


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 20.68 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.27 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

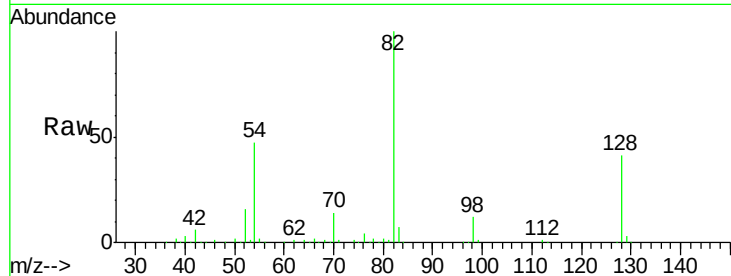
Tgt Ion: 82 Resp: 292141

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

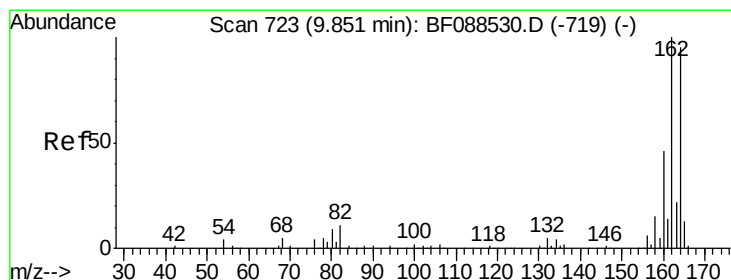
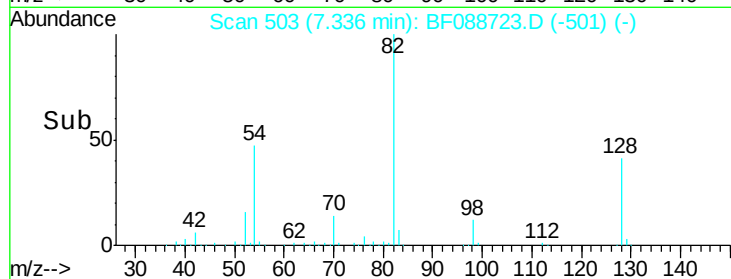
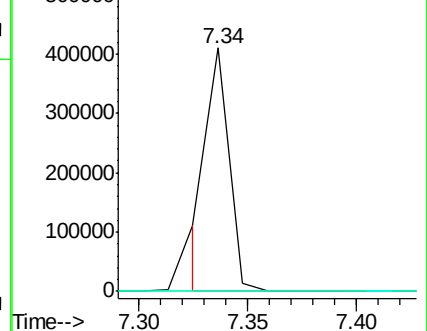
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

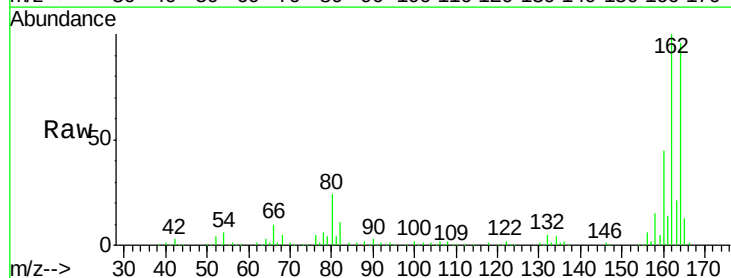
Tgt Ion: 164 Resp: 176981

Ion Ratio Lower Upper

164 100

162 104.1 85.4 128.2

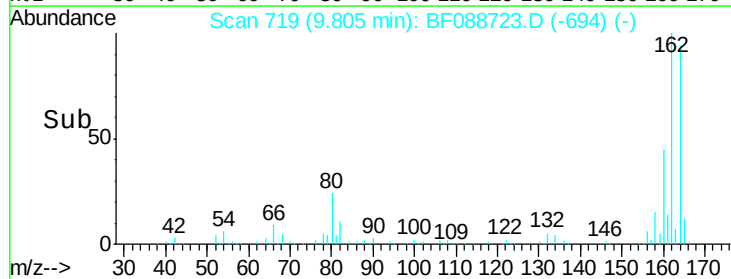
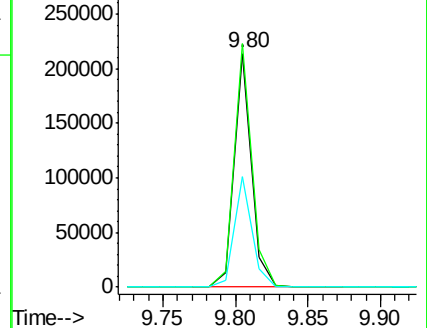
160 47.2 39.5 59.3

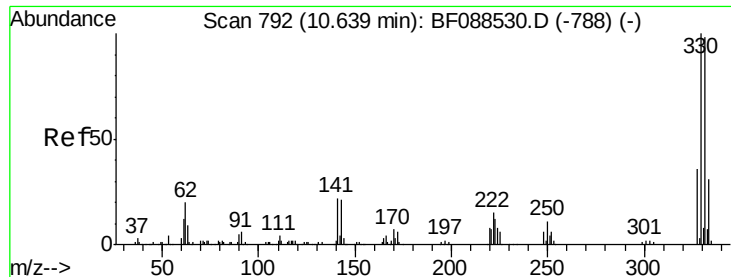


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

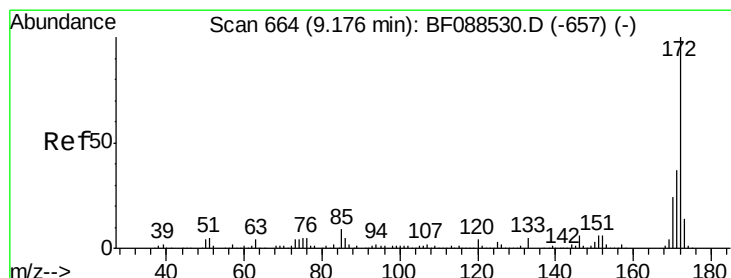
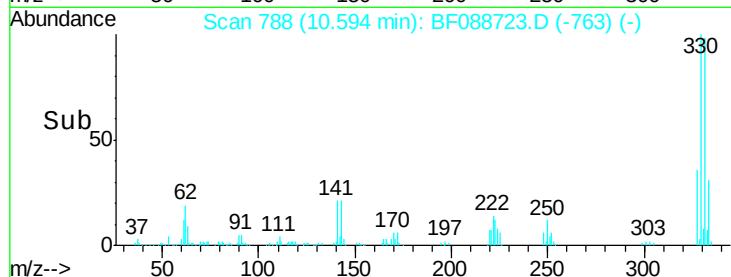
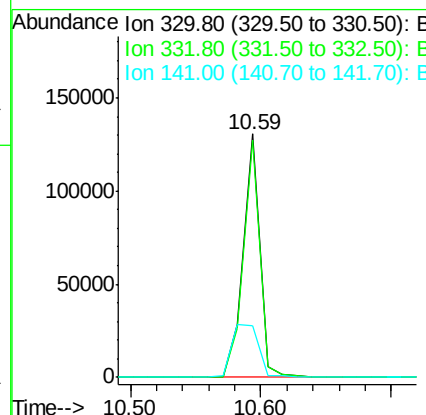
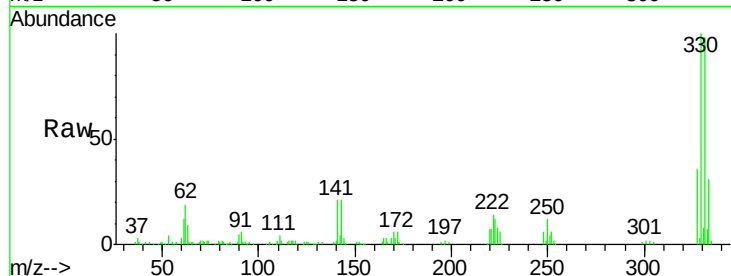




#41
 2,4,6-Tribromophenol
 Concen: 69.86 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088723.D
 Acq: 6 Jul 2016 1:05

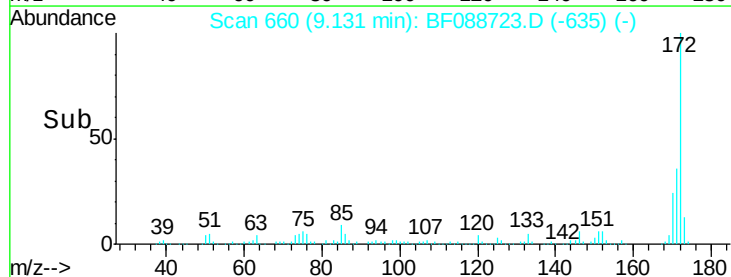
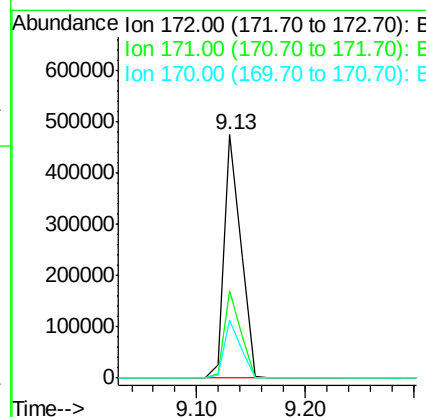
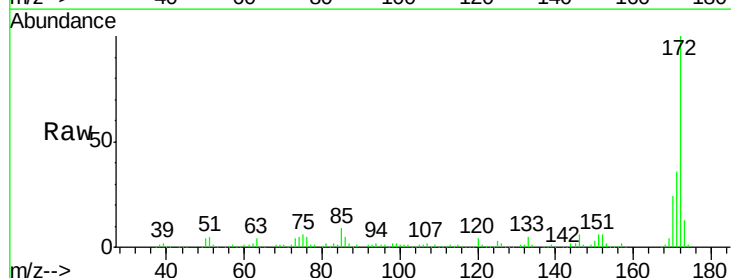
Instrument :
 BNA_F
 ClientSampleId :
 Q6-B4-6-12-C

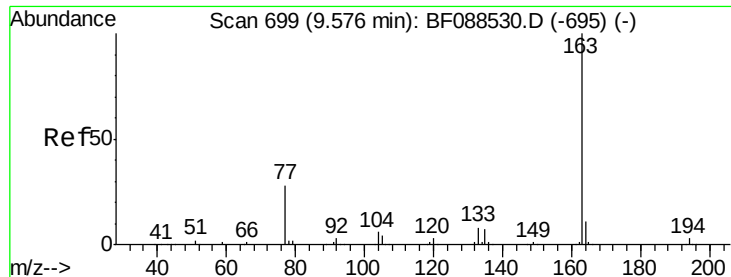
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	35.5	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 45.58 ng
 RT: 9.13 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: BF088723.D
 Acq: 6 Jul 2016 1:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.8	19.2	28.8





#49

Dimethylphthalate

Concen: 8.58 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

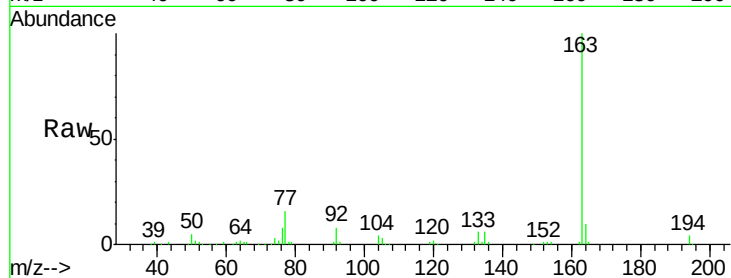
Tgt Ion:163 Resp: 108134

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

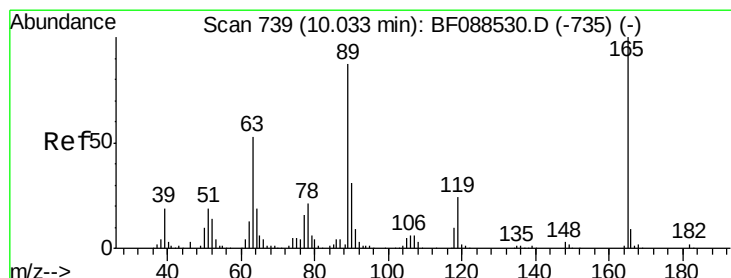
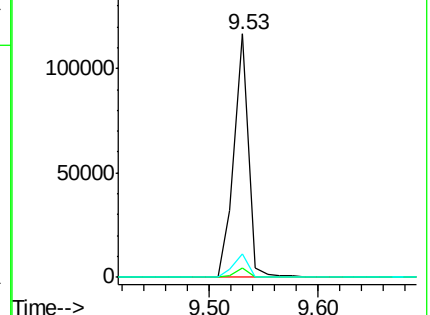
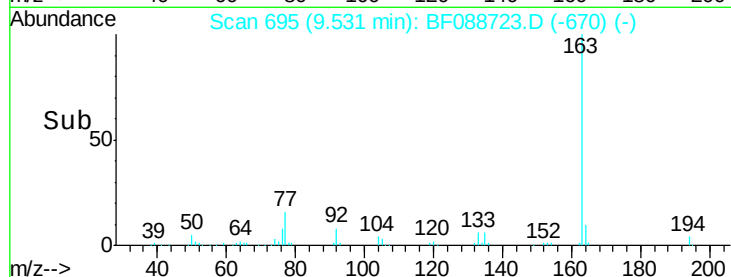
164 9.6 8.3 12.5



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: 6.23 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.19 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Tgt Ion:165 Resp: 22762

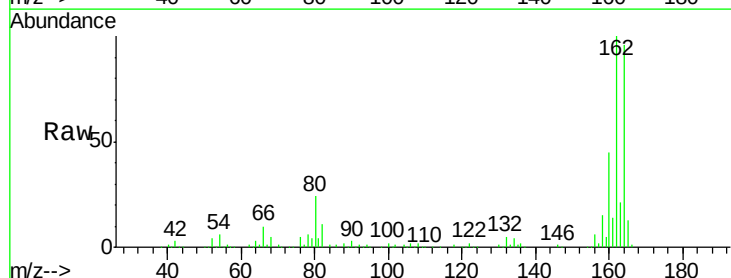
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

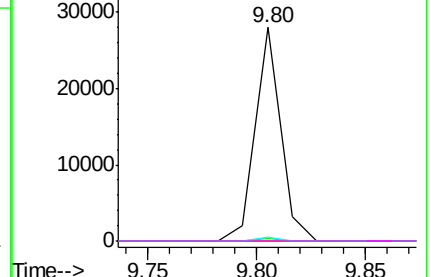
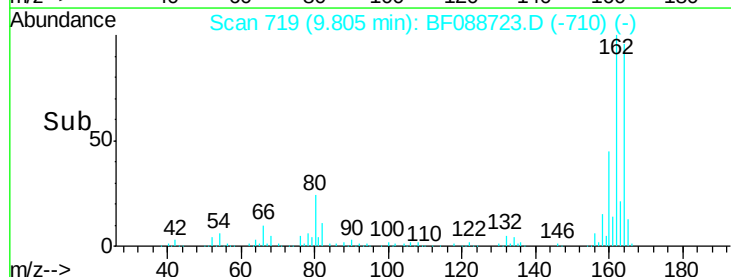


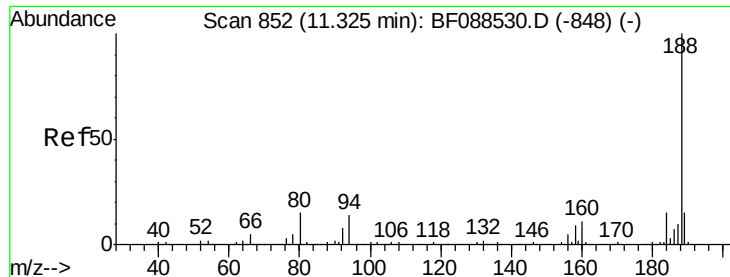
Abundance Ion 165.00 (164.70 to 165.70): E

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

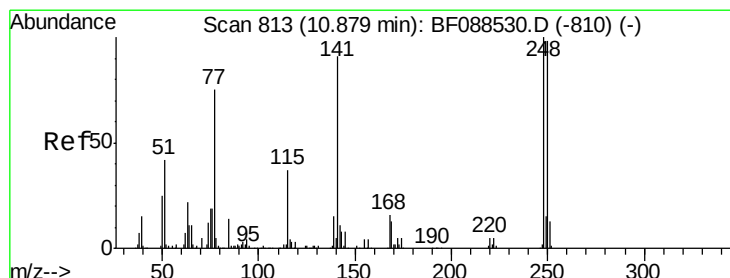
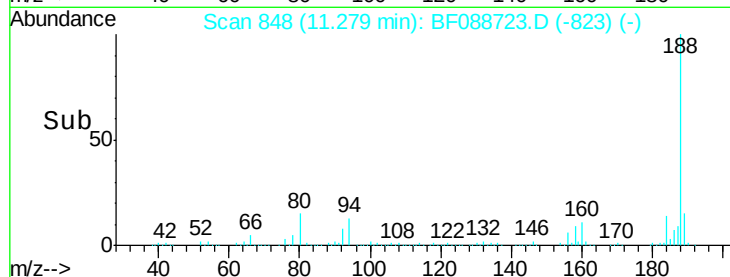
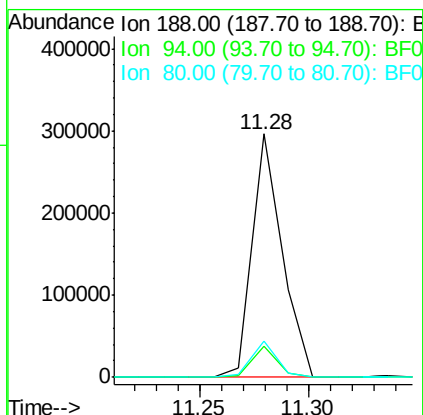
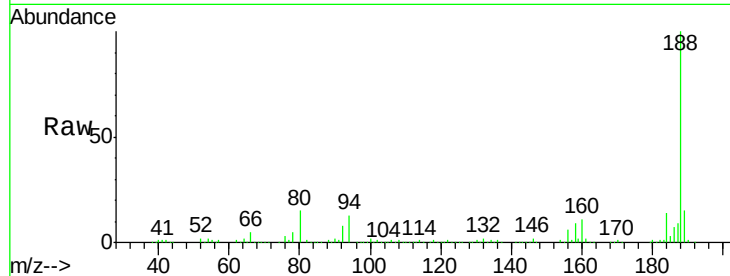




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088723.D
Acq: 6 Jul 2016 1:05

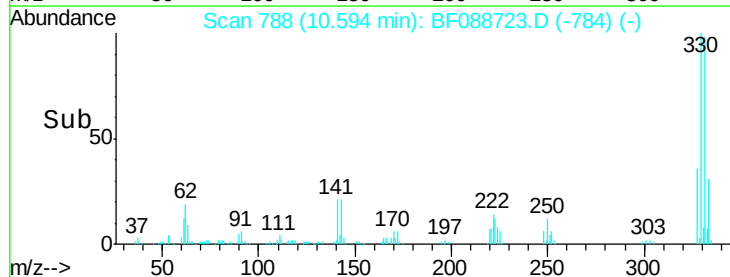
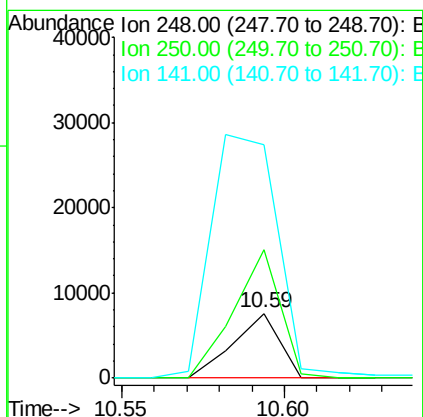
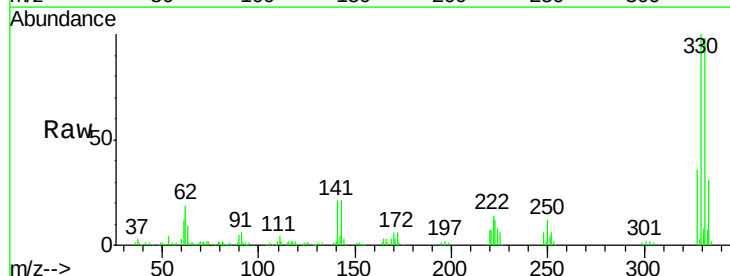
Instrument :
BNA_F
ClientSampleId :
Q6-B4-6-12-C

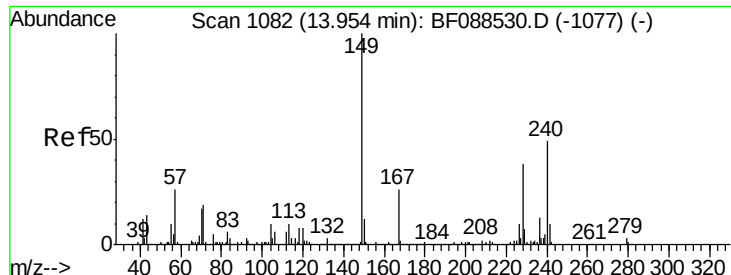
Tgt Ion:188 Resp: 285217
Ion Ratio Lower Upper
188 100
94 12.9 9.0 13.6
80 15.0 10.0 15.0#



#66
4-Bromophenyl-phenylether
Concen: 2.59 ng
RT: 10.59 min Scan# 788
Delta R.T. -0.25 min
Lab File: BF088723.D
Acq: 6 Jul 2016 1:05

Tgt Ion:248 Resp: 7440
Ion Ratio Lower Upper
248 100
250 197.6 77.1 115.7#
141 360.0 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

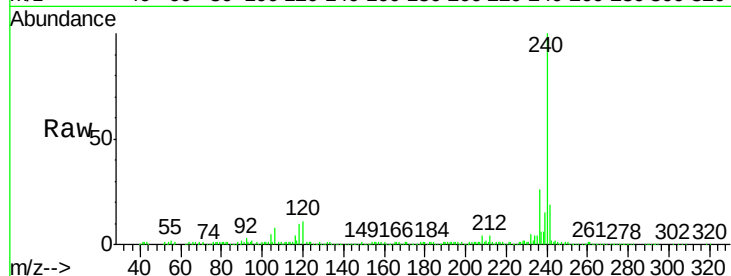
Tgt Ion:240 Resp: 202675

Ion Ratio Lower Upper

240 100

120 11.0 6.8 10.2#

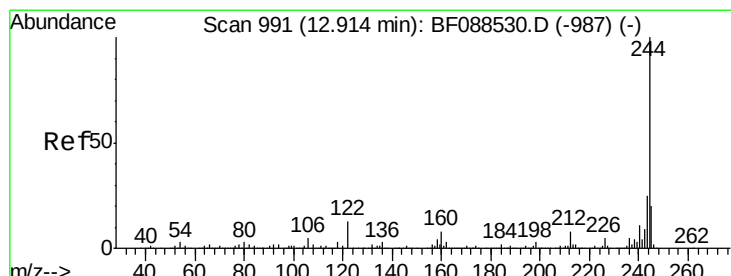
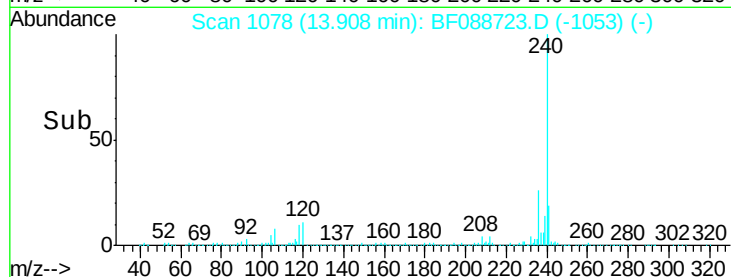
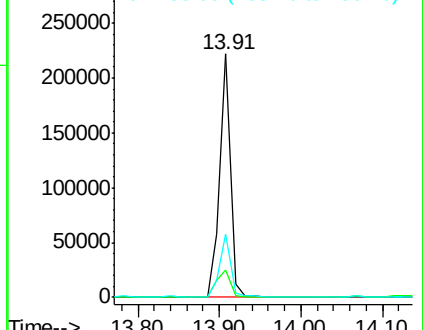
236 25.9 20.2 30.2



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: 42.75 ng

RT: 12.87 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

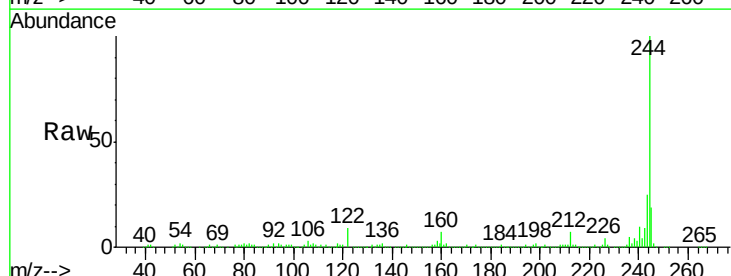
Tgt Ion:244 Resp: 389003

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

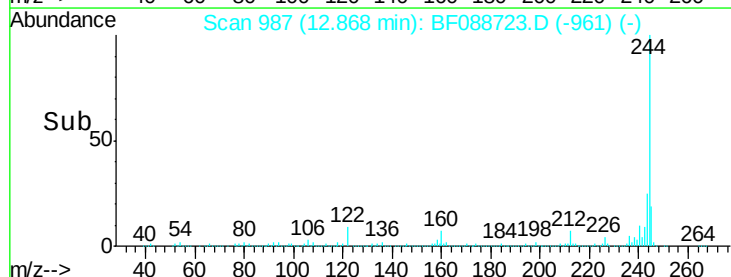
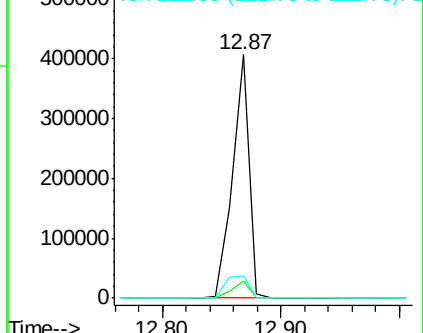
122 9.1 11.2 16.8#

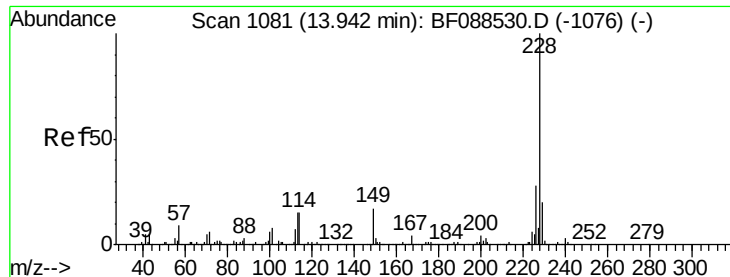


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.10 ng

RT: 13.93 min Scan# 1080

Delta R.T. 0.02 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

Instrument :

BNA_F

ClientSampleId :

Q6-B4-6-12-C

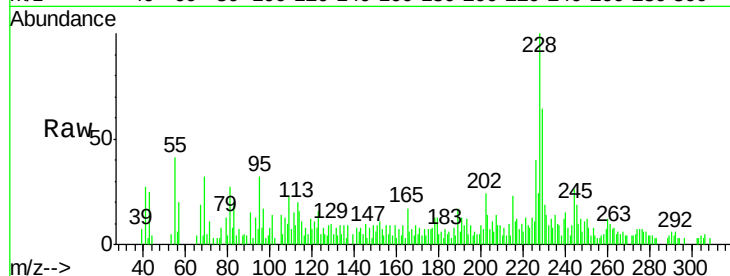
Tgt Ion:228 Resp: 27430

Ion Ratio Lower Upper

228 100

226 39.8 22.3 33.5#

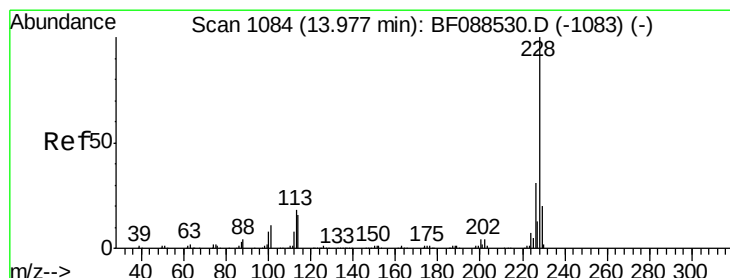
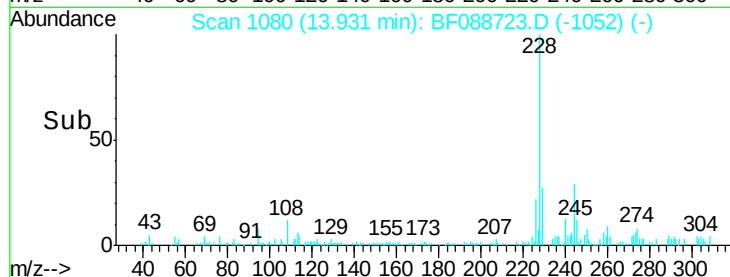
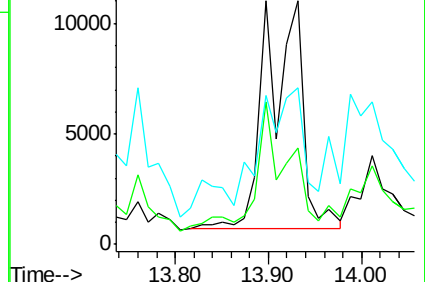
229 64.5 16.0 24.0#



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



#82

Chrysene

Concen: 2.12 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088723.D

Acq: 6 Jul 2016 1:05

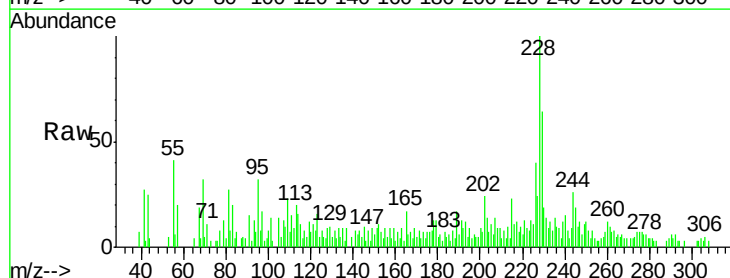
Tgt Ion:228 Resp: 27430

Ion Ratio Lower Upper

228 100

226 39.8 25.4 38.2#

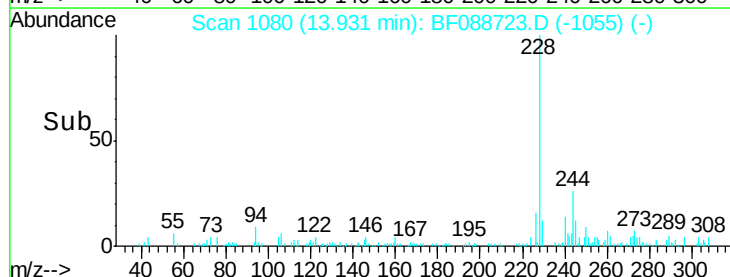
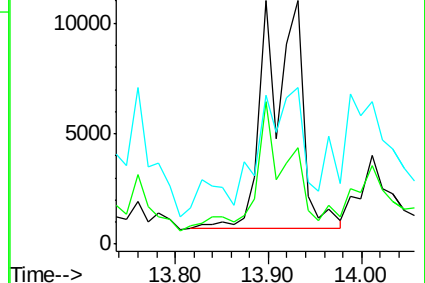
229 64.5 16.3 24.5#

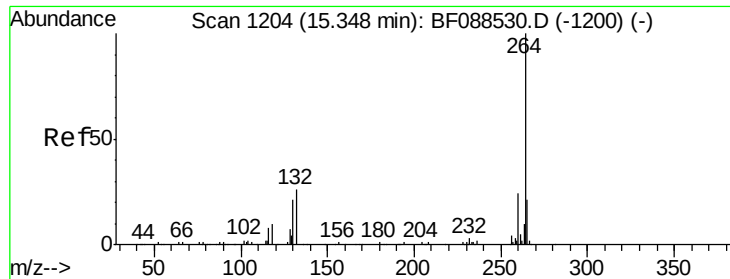


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

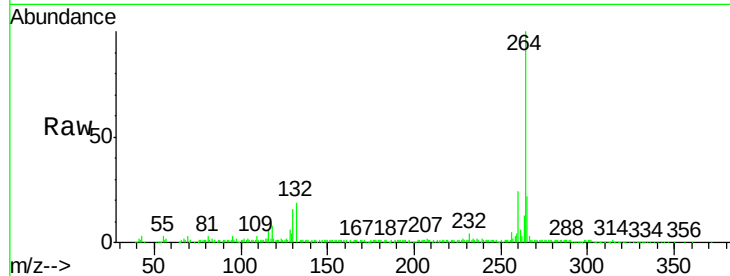




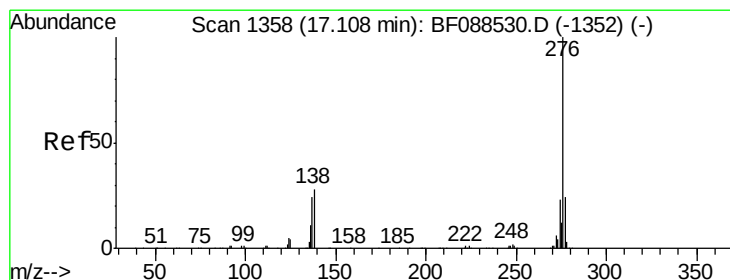
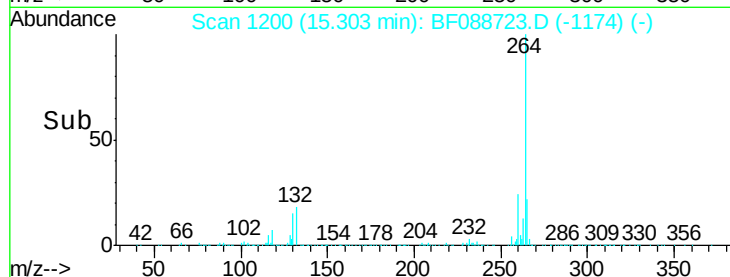
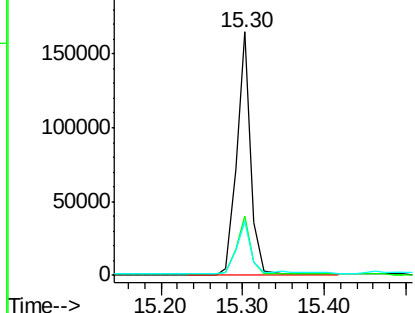
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088723.D
Acq: 6 Jul 2016 1:05

Instrument :
BNA_F
ClientSampleId :
Q6-B4-6-12-C

Tgt Ion:264 Resp: 193281
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.2 16.9 25.3

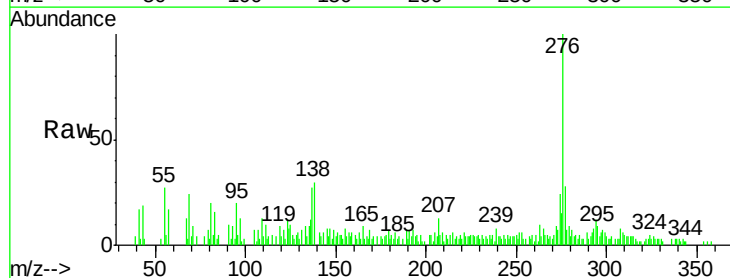


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.84 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF088723.D
Acq: 6 Jul 2016 1:05

Tgt Ion:276 Resp: 25216
Ion Ratio Lower Upper
276 100
277 28.0 18.9 28.3
138 29.8 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

