

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088724.D
 Acq On : 6 Jul 2016 1:34
 Operator : UM/SJ
 Sample : H3881-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Quant Time: Jul 06 02:27:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 06 01:47:10 2016
 Response via : Initial Calibration

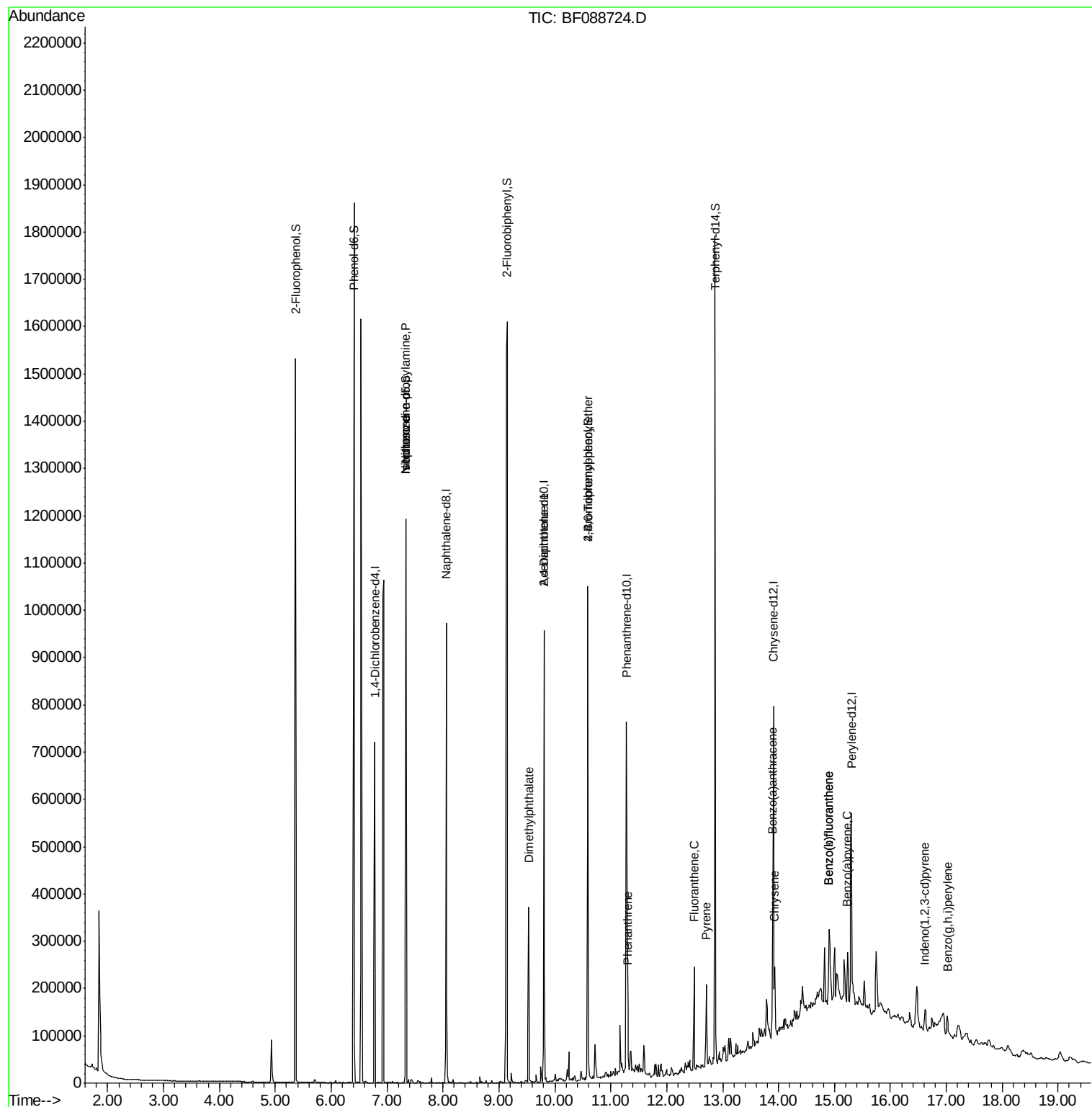
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	111080	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	405657	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	176573	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	289240	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	198762	20.00	ng	-0.01
86) Perylene-d12	15.30	264	201466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	477251	64.39	ng	-0.01
7) Phenol-d6	6.41	99	689678	72.01	ng	0.00
23) Nitrobenzene-d5	7.34	82	399435	51.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	135062	82.37	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	782196	69.97	ng	0.00
78) Terphenyl-d14	12.87	244	514496	57.65	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	54368	8.45	ng	# 73
25) Isophorone	7.34	82	328737	22.93	ng	# 65
49) Dimethylphthalate	9.53	163	153180	12.18	ng	98
56) 2,4-Dinitrotoluene	9.80	165	22629	6.21	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	9470	3.25	ng	# 1
70) Phenanthrene	11.30	178	45587	2.88	ng	99
74) Fluoranthene	12.49	202	94347	5.89	ng	95
77) Pyrene	12.71	202	90291	5.36	ng	96
80) Benzo(a)anthracene	13.90	228	45964	3.59	ng	96
82) Chrysene	13.93	228	56686	4.48	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	30074	3.09	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	106069	8.39	ng	# 93
88) Benzo(k)fluoranthene	14.90	252	106069	9.64	ng	98
89) Benzo(a)pyrene	15.23	252	46015	4.30	ng	95
91) Benzo(g,h,i)perylene	17.02	276	29007	3.14	ng	98

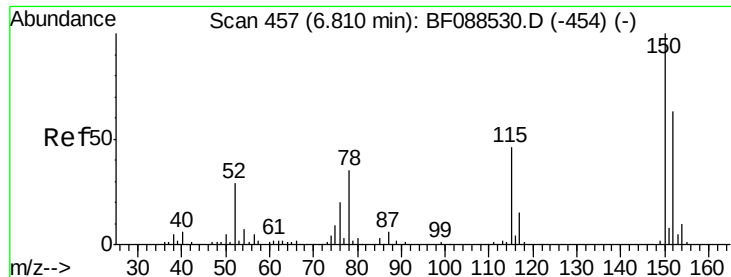
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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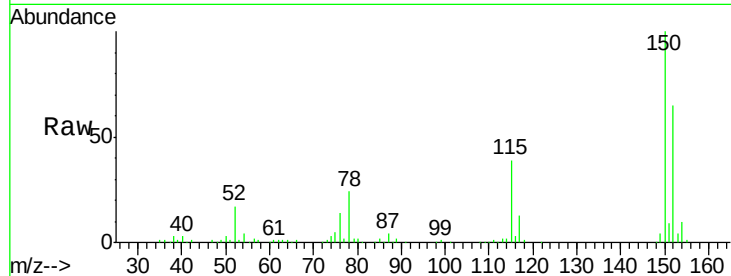


#1

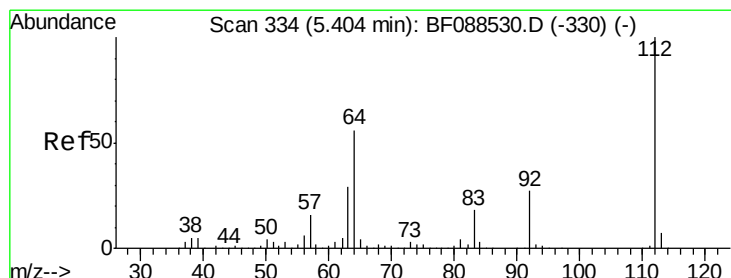
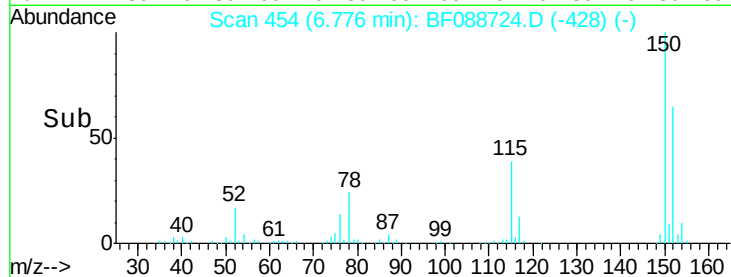
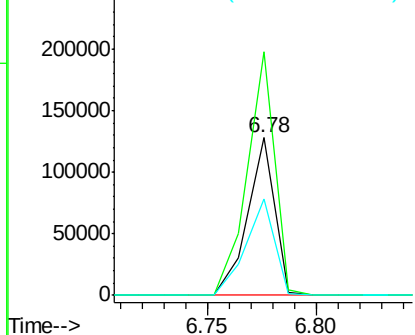
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Tgt Ion:152 Resp: 111080
 Ion Ratio Lower Upper
 152 100
 150 154.3 123.8 185.6
 115 60.8 39.6 59.4#



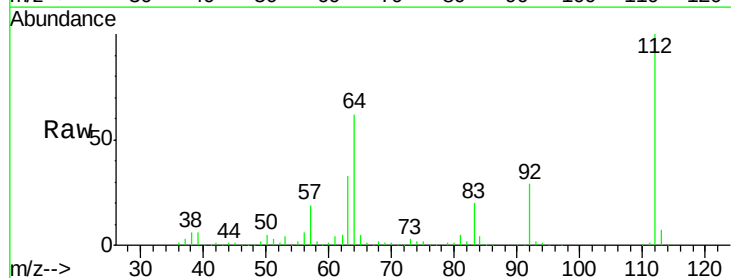
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



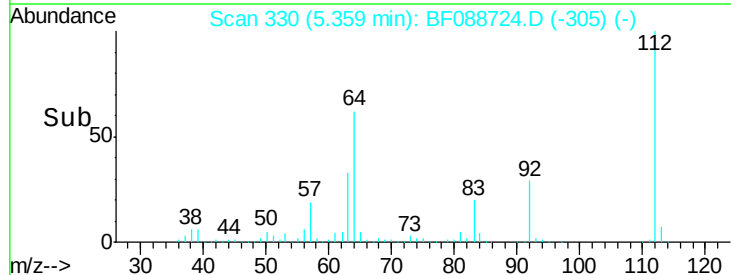
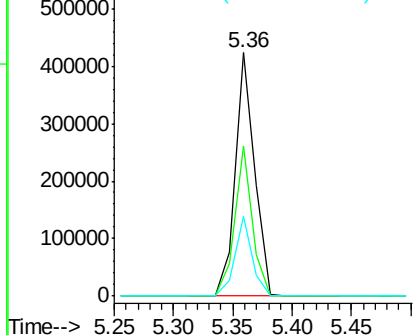
#5

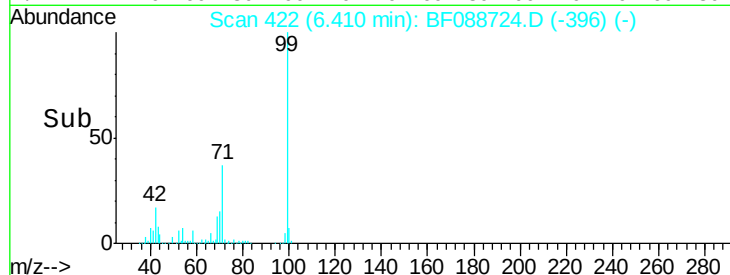
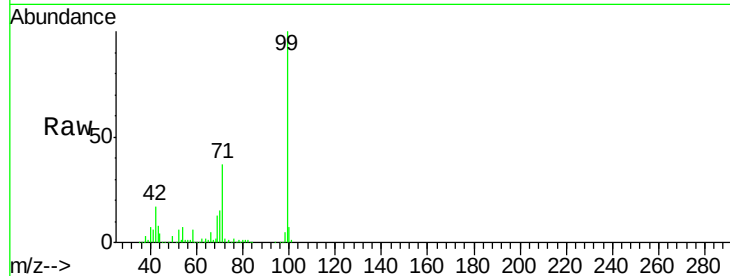
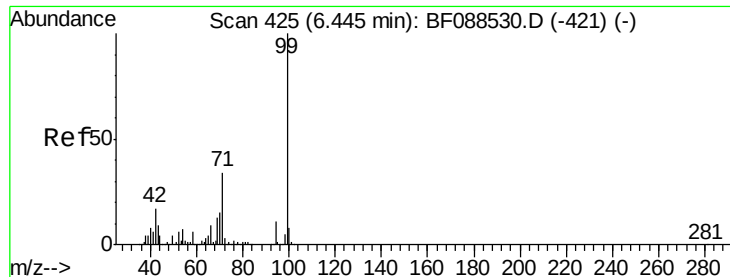
2-Fluorophenol
 Concen: 64.39 ng
 RT: 5.36 min Scan# 330
 Delta R.T. -0.01 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Tgt Ion:112 Resp: 477251
 Ion Ratio Lower Upper
 112 100
 64 61.6 42.2 63.2
 63 32.7 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: 72.01 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

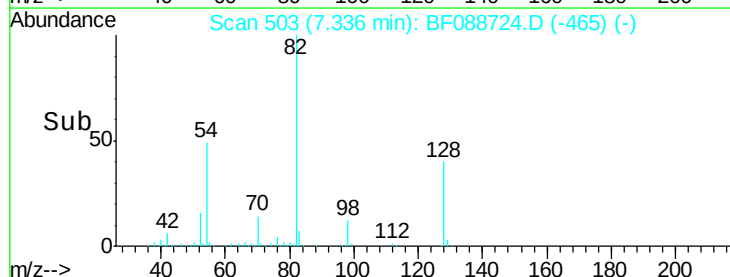
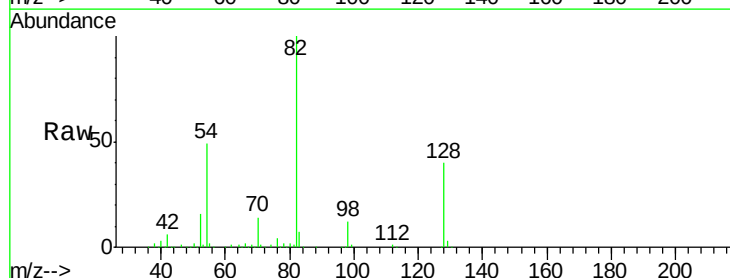
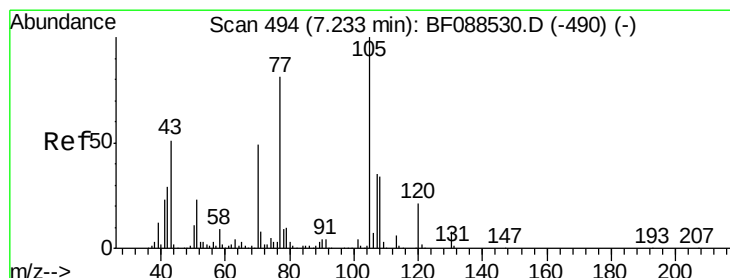
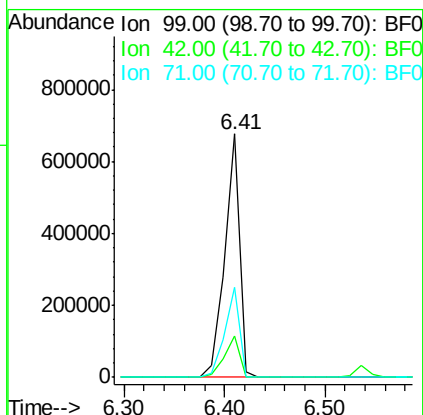
Tgt Ion: 99 Resp: 689678

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 37.0 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 8.45 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Tgt Ion: 70 Resp: 54368

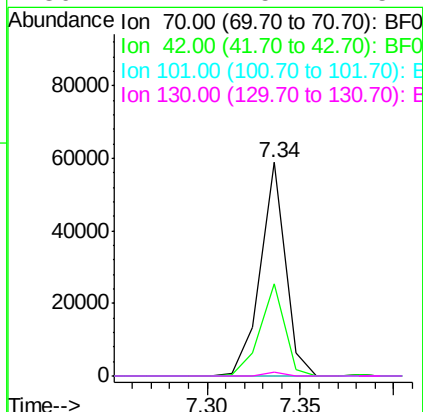
Ion Ratio Lower Upper

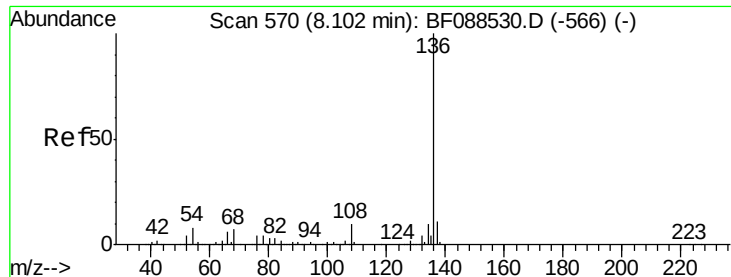
70 100

42 43.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

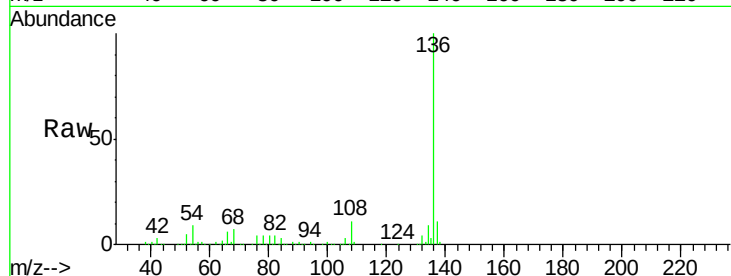




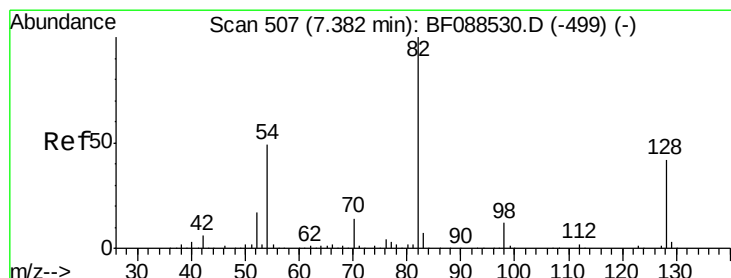
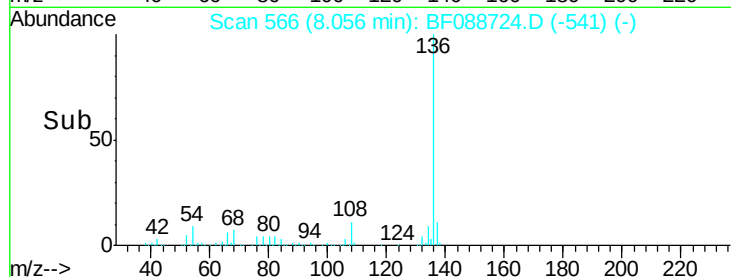
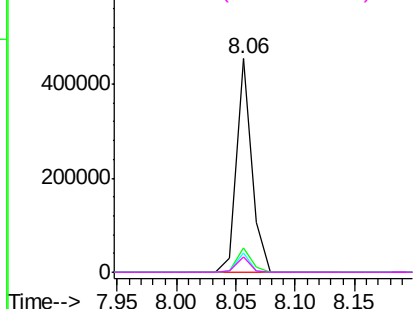
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

Tgt Ion:	136	Resp:	405657
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.8	6.6	10.0
68	7.3	5.1	7.7

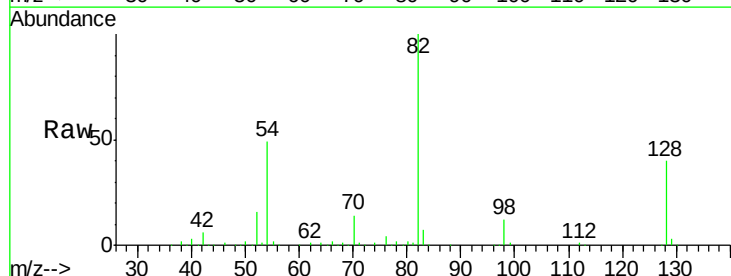


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

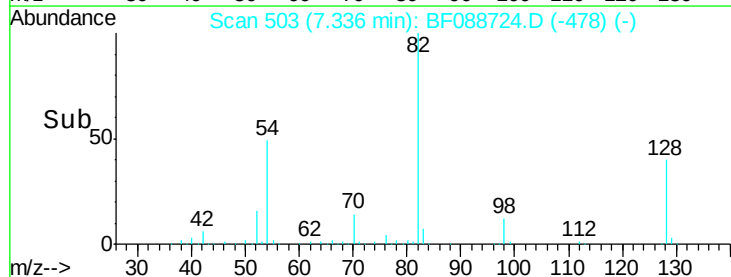
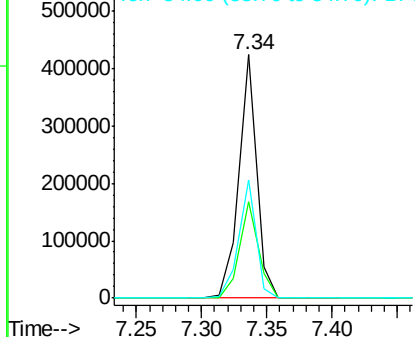


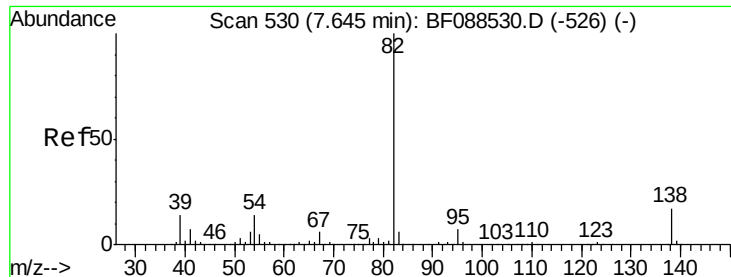
#23
Nitrobenzene-d5
Concen: 51.60 ng
RT: 7.34 min Scan# 503
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion:	82	Resp:	399435
Ion	Ratio	Lower	Upper
82	100		
128	39.6	35.9	53.9
54	48.8	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: 22.93 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.27 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

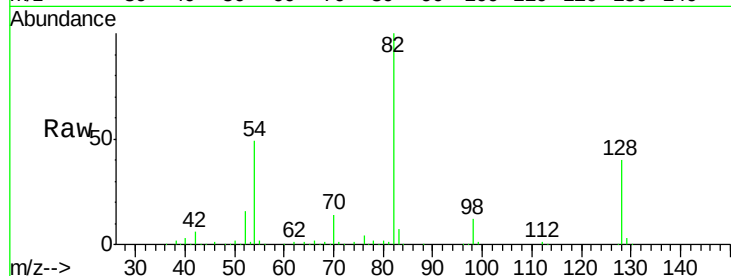
Tgt Ion: 82 Resp: 328737

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

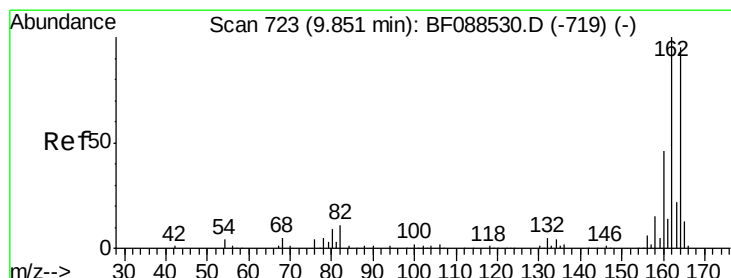
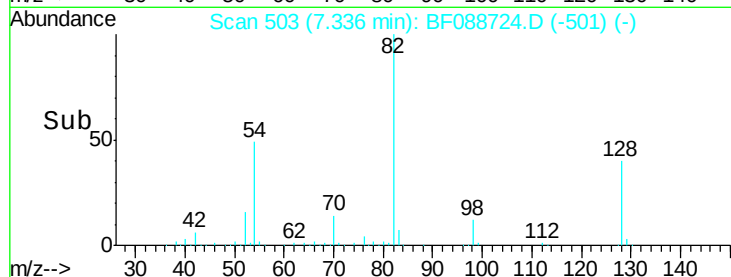
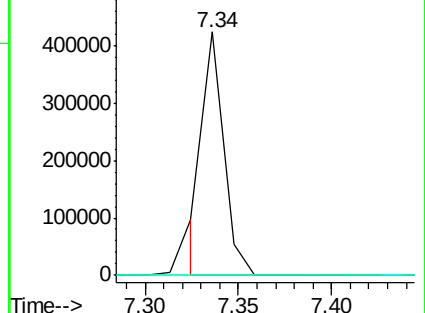
138 0.0 14.6 21.8#



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: BF088724.D

Acq: 6 Jul 2016 1:34

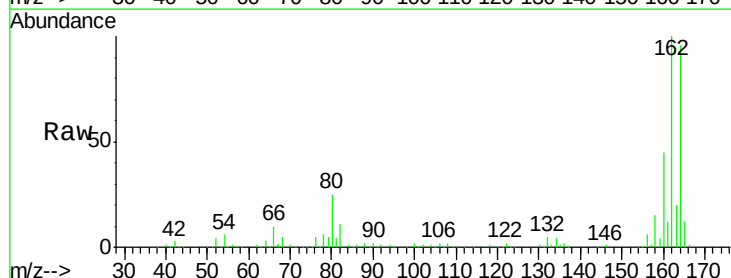
Tgt Ion: 164 Resp: 176573

Ion Ratio Lower Upper

164 100

162 104.5 85.4 128.2

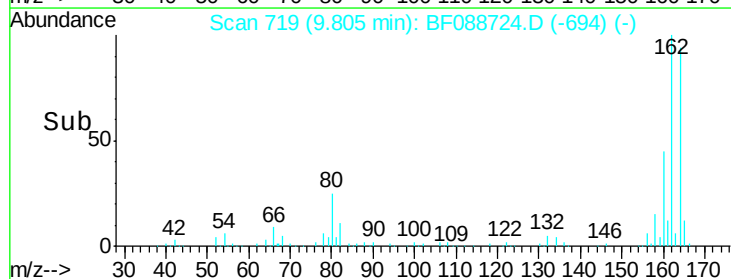
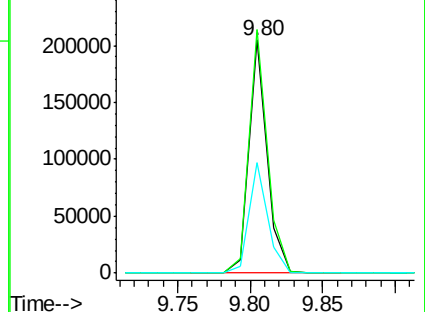
160 47.2 39.5 59.3

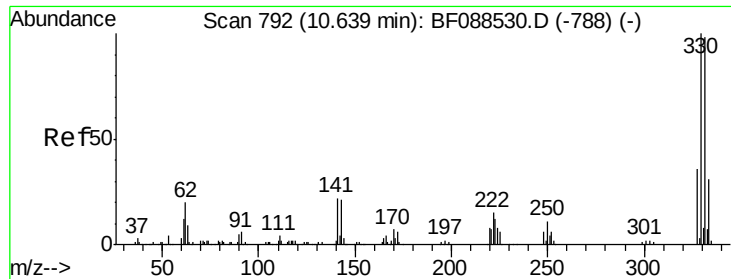


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

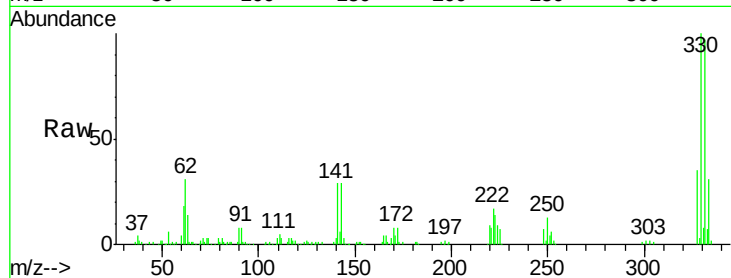




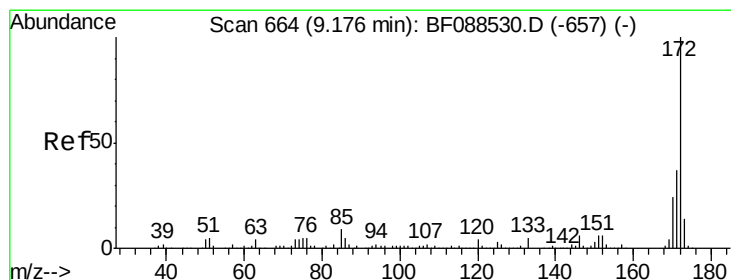
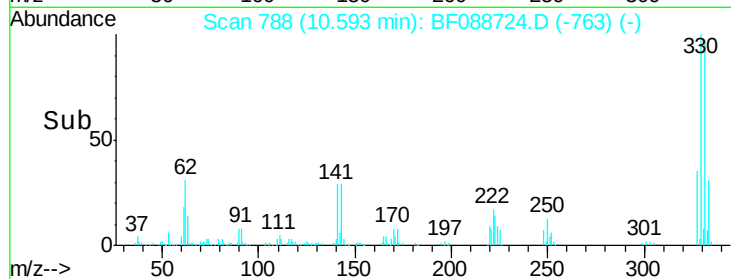
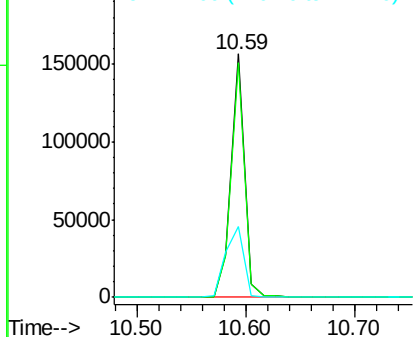
#41
 2,4,6-Tribromophenol
 Concen: 82.37 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	39.5	0.0	0.0#

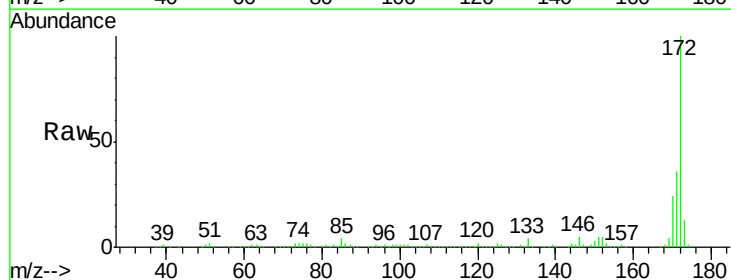


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

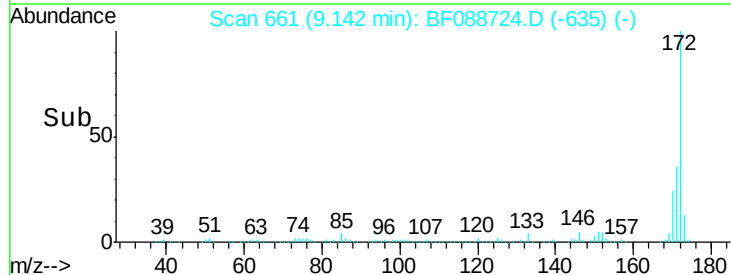
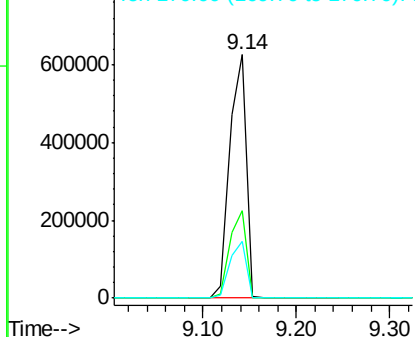


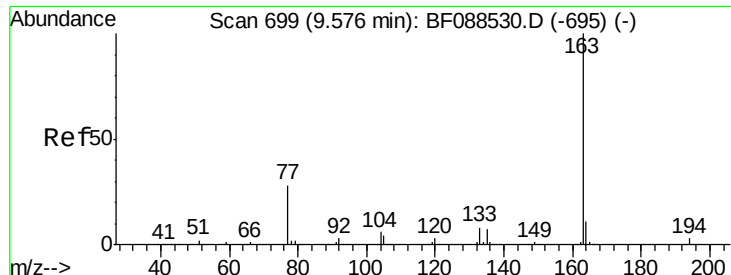
#44
 2-Fluorobiphenyl
 Concen: 69.97 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.6	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: 12.18 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

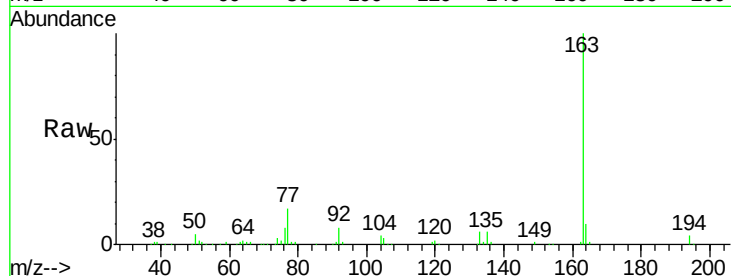
Tgt Ion:163 Resp: 153180

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

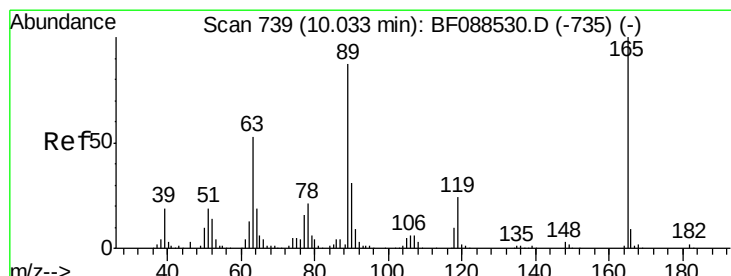
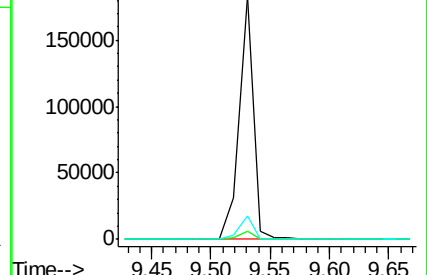
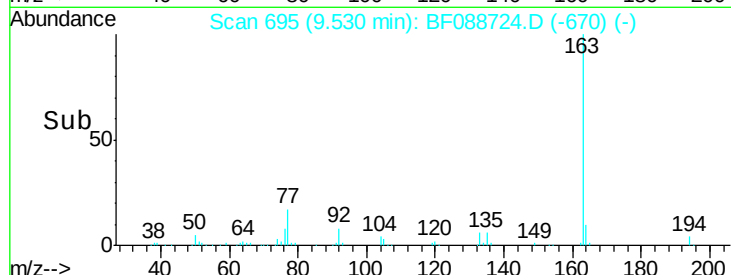
164 9.5 8.3 12.5



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: 6.21 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.19 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Tgt Ion:165 Resp: 22629

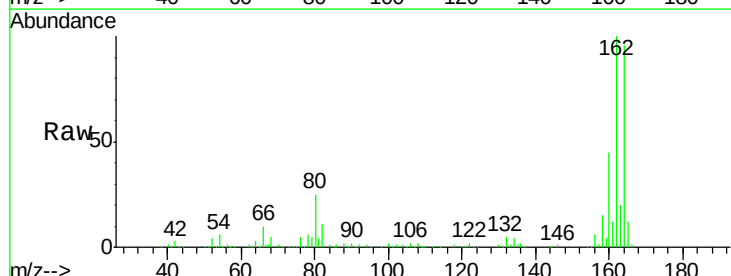
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

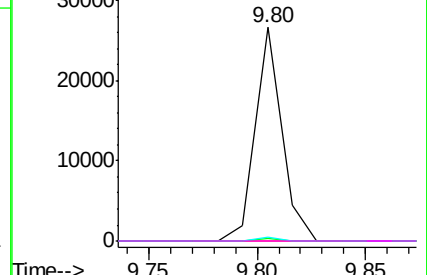
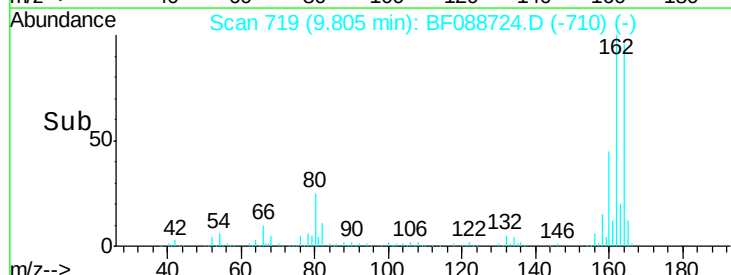


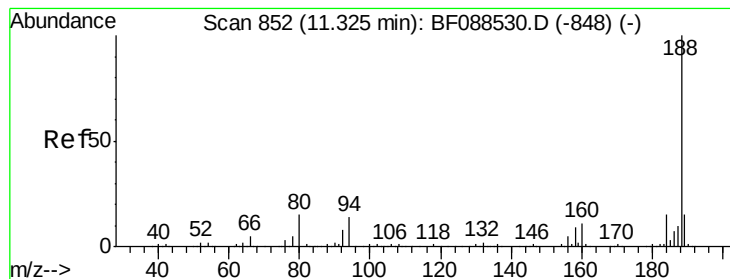
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

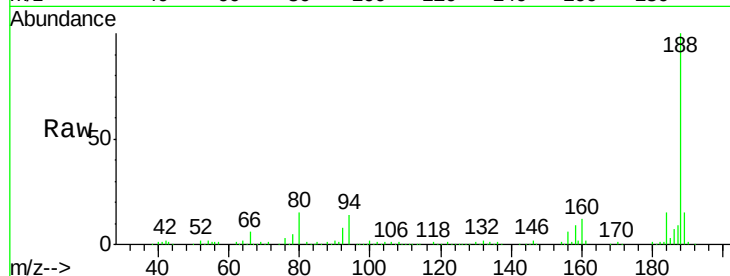
Tgt Ion:188 Resp: 289240

Ion Ratio Lower Upper

188 100

94 13.6 9.0 13.6#

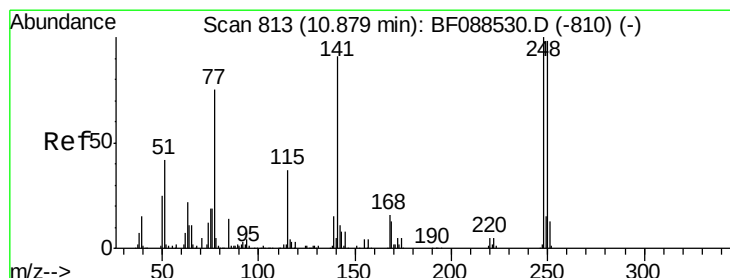
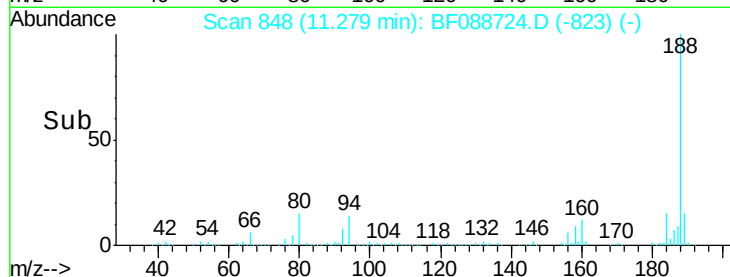
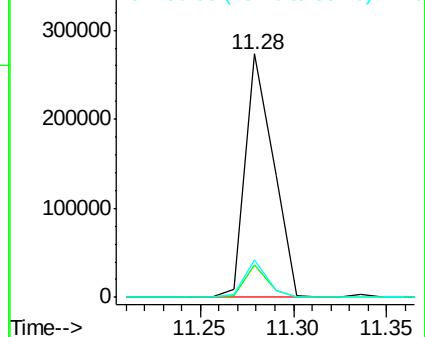
80 15.4 10.0 15.0#



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



#66

4-Bromophenyl-phenylether

Concen: 3.25 ng

RT: 10.59 min Scan# 788

Delta R.T. -0.25 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

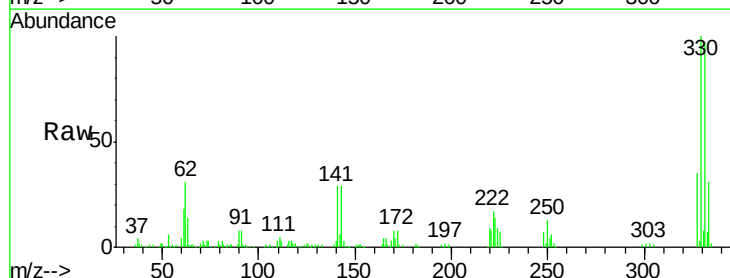
Tgt Ion:248 Resp: 9470

Ion Ratio Lower Upper

248 100

250 194.4 77.1 115.7#

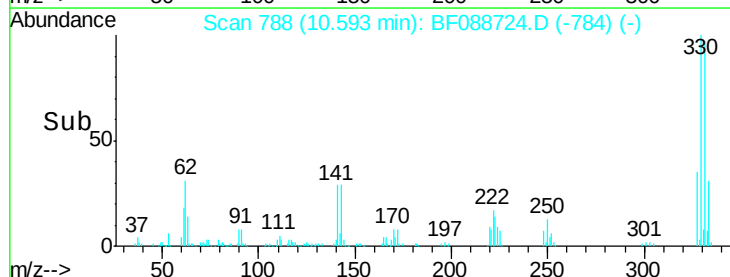
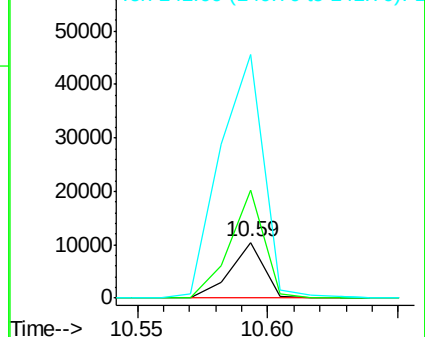
141 437.8 50.6 76.0#

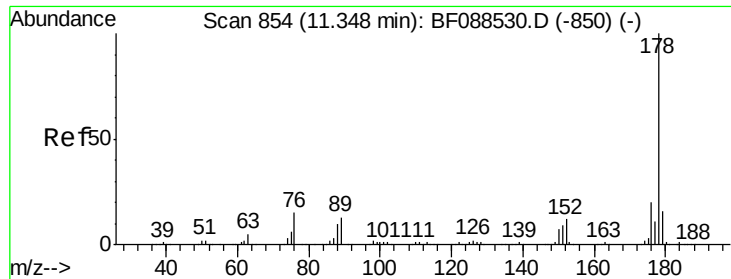


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

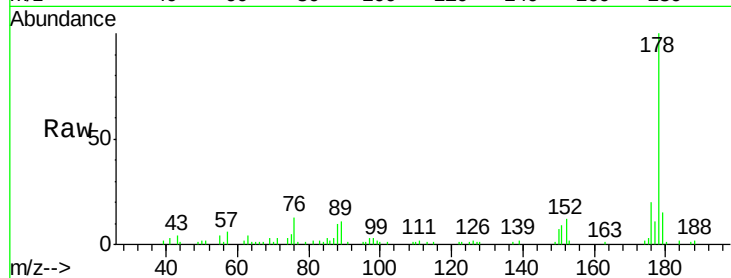




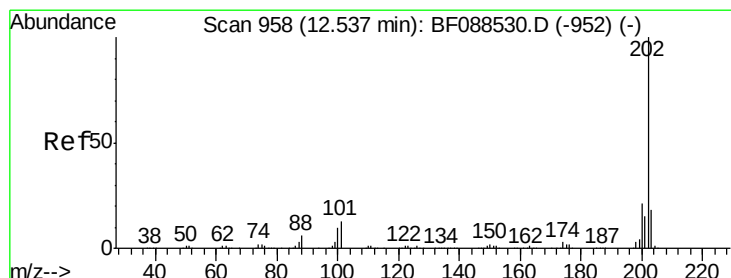
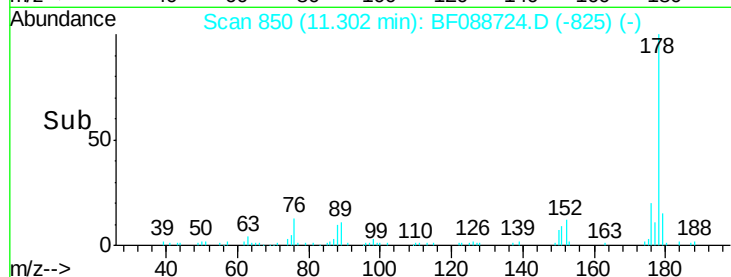
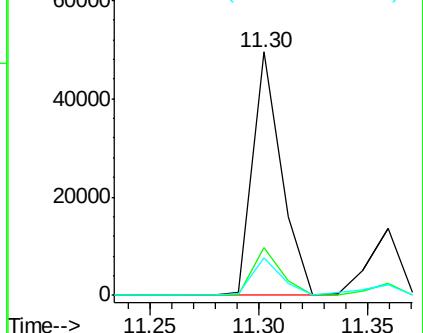
#70
Phenanthrene
Concen: 2.88 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

Tgt Ion:178 Resp: 45587
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.4 13.0 19.4

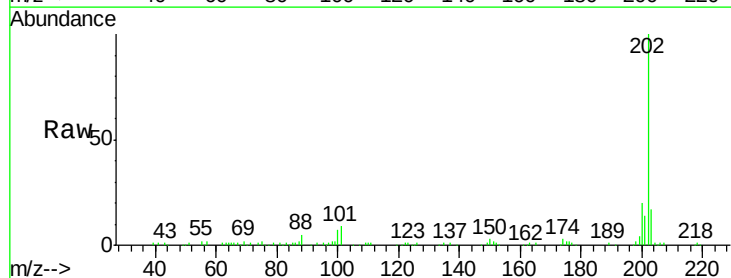


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

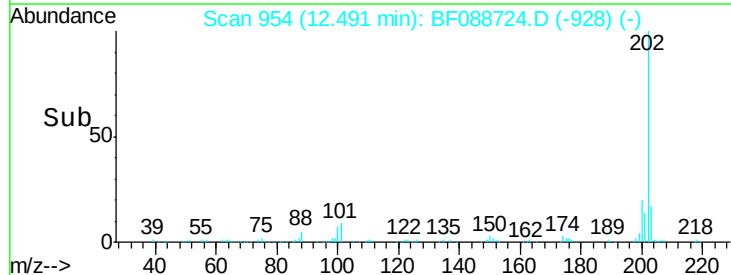
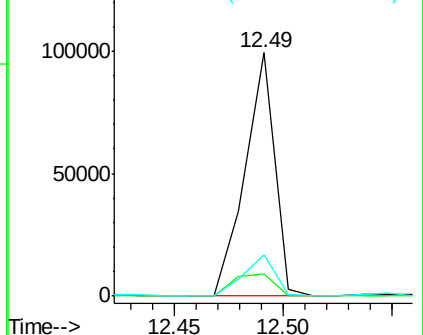


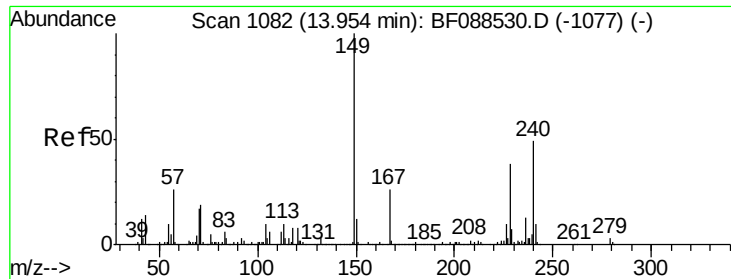
#74
Fluoranthene
Concen: 5.89 ng
RT: 12.49 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion:202 Resp: 94347
Ion Ratio Lower Upper
202 100
101 9.3 0.0 33.1
203 17.1 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: 13.91 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

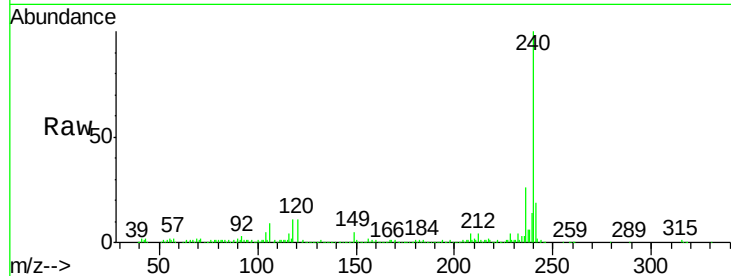
Tgt Ion:240 Resp: 198762

Ion Ratio Lower Upper

240 100

120 11.5 6.8 10.2#

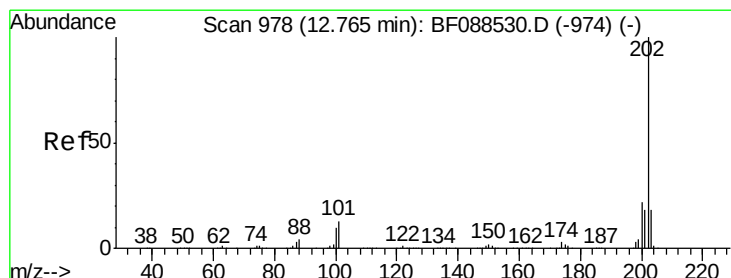
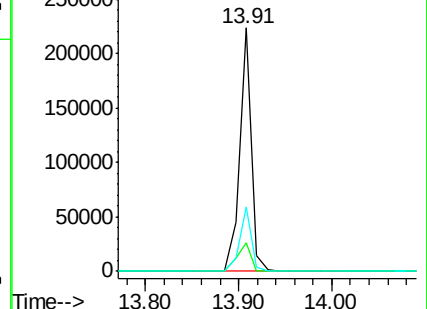
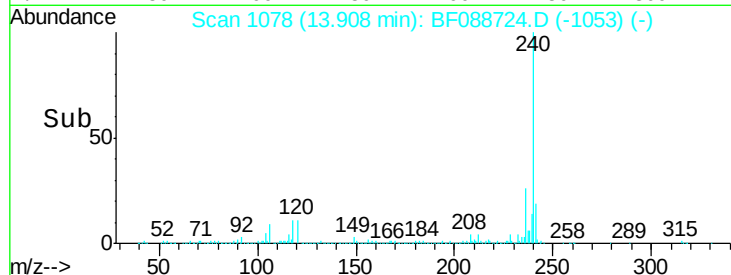
236 26.3 20.2 30.2



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: 5.36 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

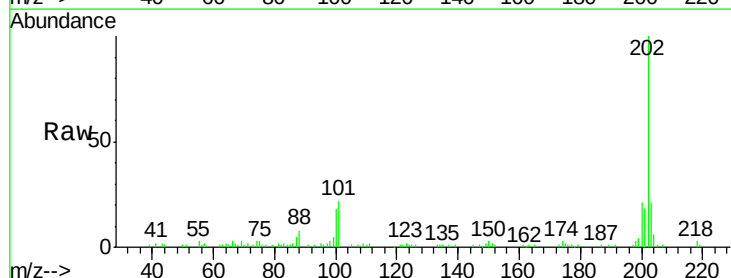
Tgt Ion:202 Resp: 90291

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

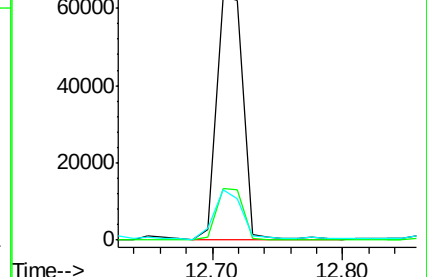
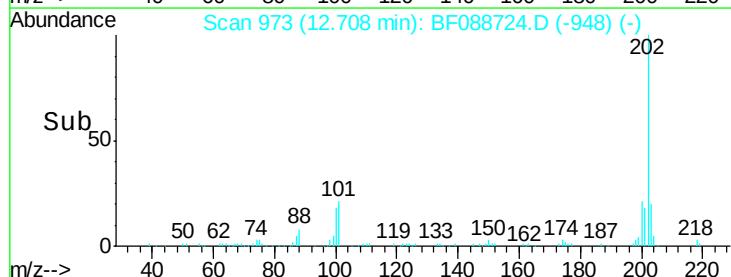
203 20.8 14.5 21.7

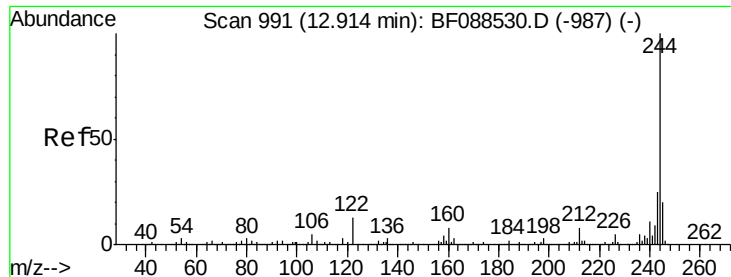


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.65 ng

RT: 12.87 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

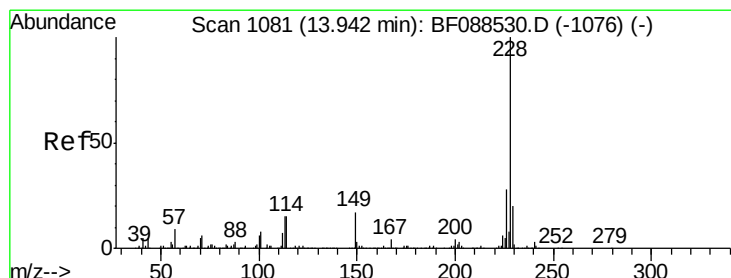
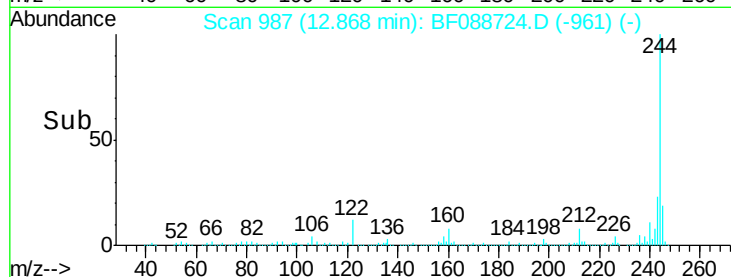
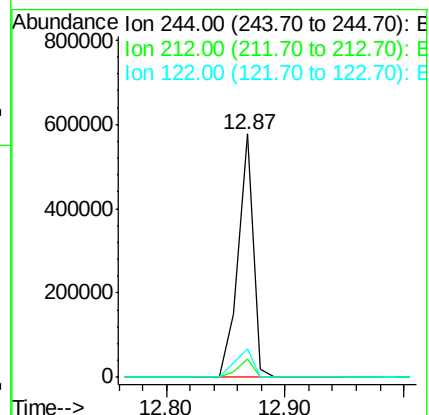
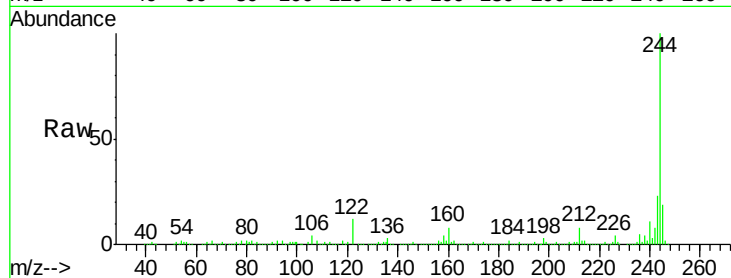
Tgt Ion:244 Resp: 514496

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 11.6 11.2 16.8



#80

Benzo(a)anthracene

Concen: 3.59 ng

RT: 13.90 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

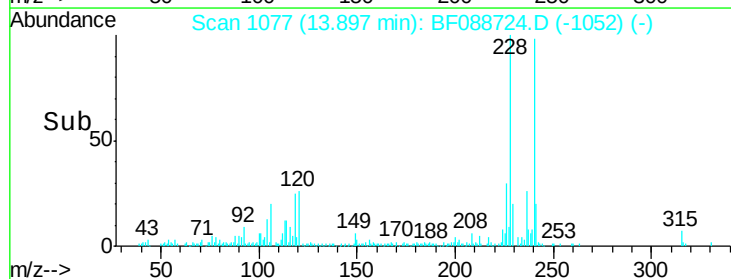
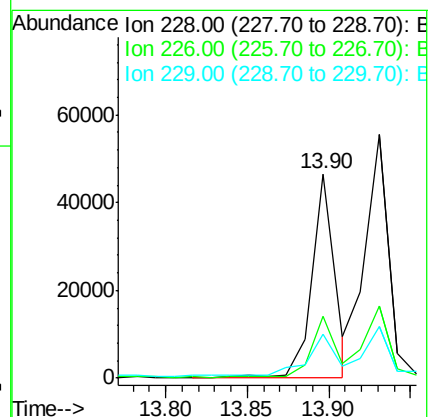
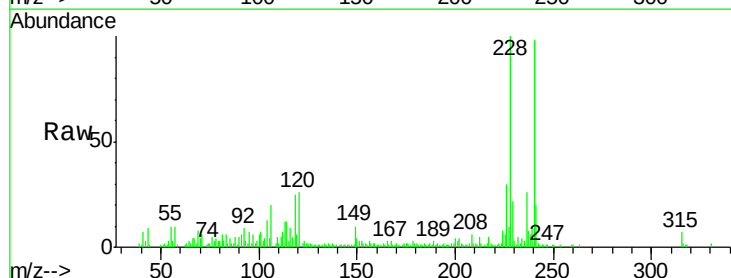
Tgt Ion:228 Resp: 45964

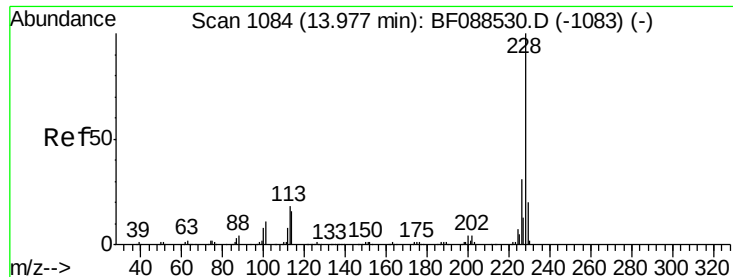
Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

229 21.7 16.0 24.0





#82

Chrysene

Concen: 4.48 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

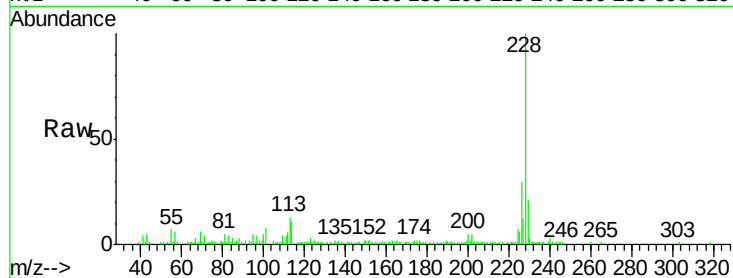
Tgt Ion: 228 Resp: 56686

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

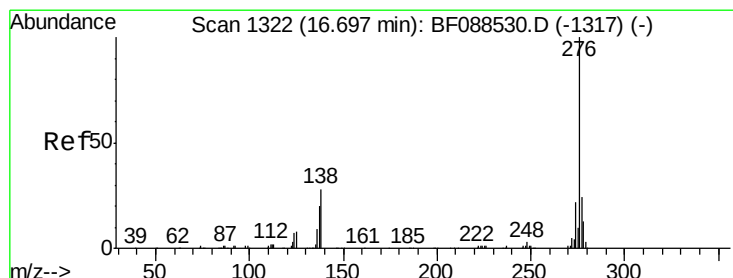
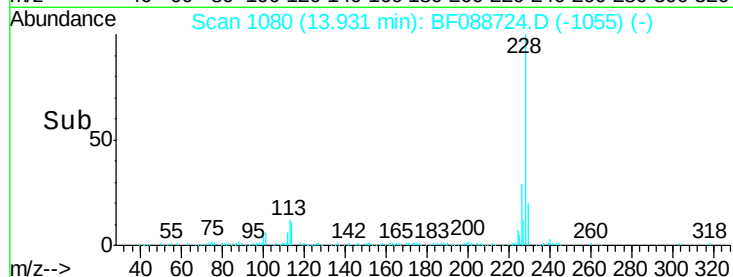
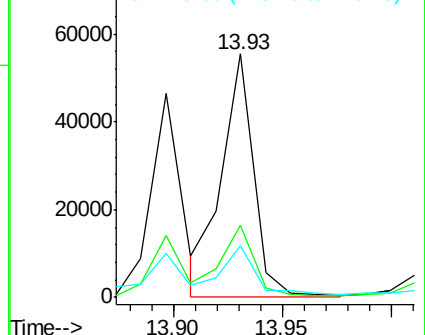
229 21.4 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.09 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

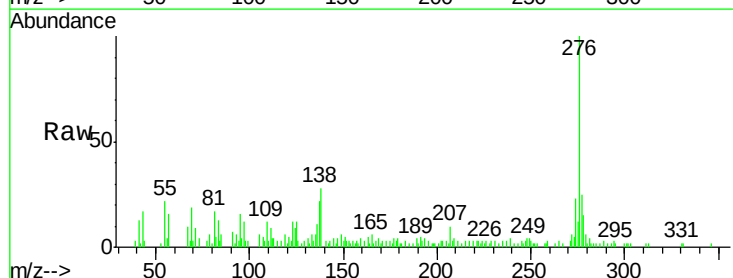
Tgt Ion: 276 Resp: 30074

Ion Ratio Lower Upper

276 100

138 26.8 0.0 0.0#

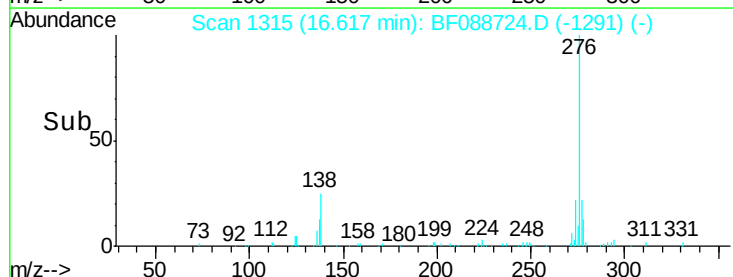
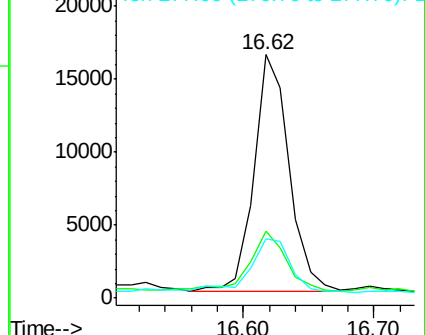
277 27.8 0.0 0.0#

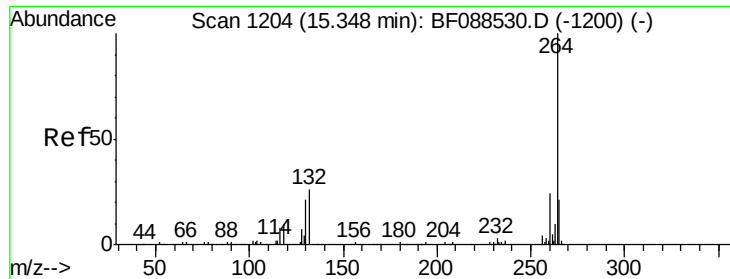


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

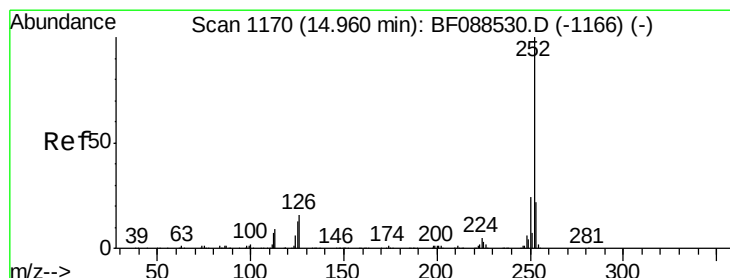
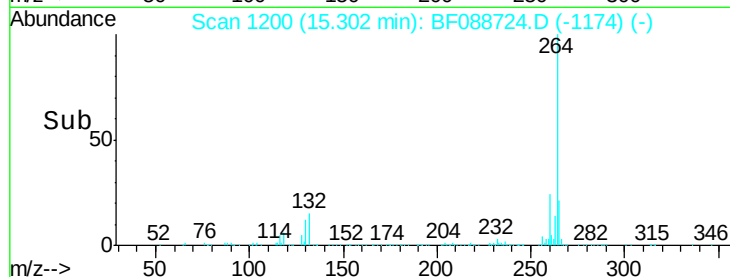
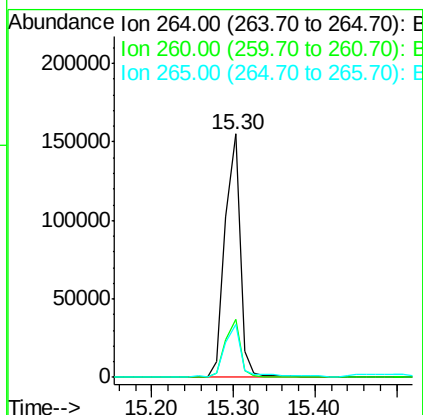
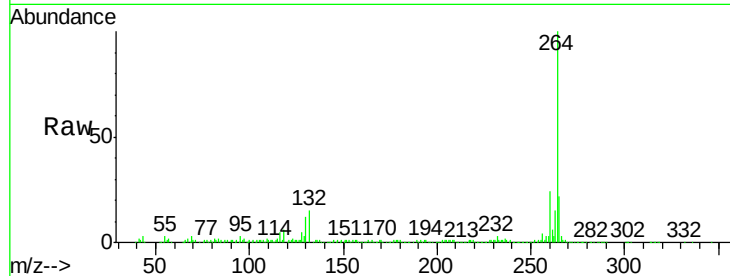




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

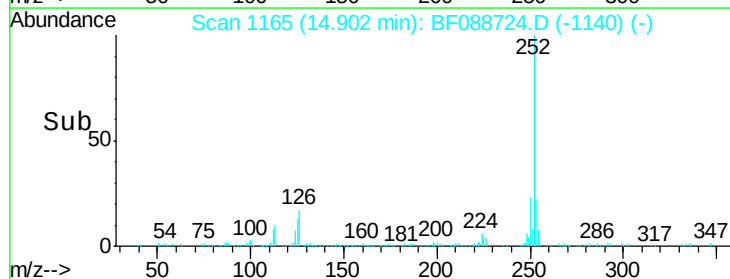
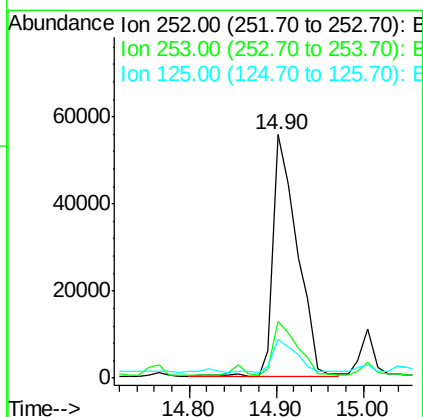
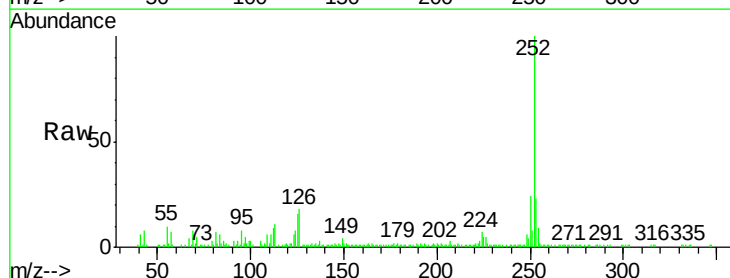
Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

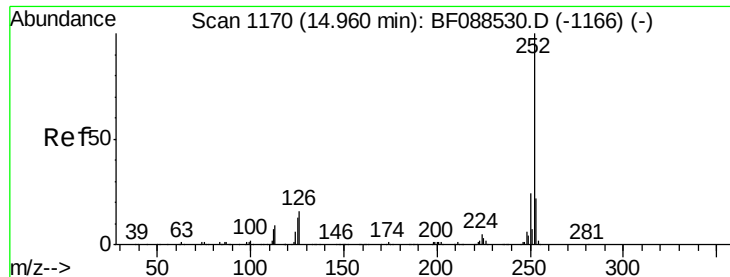
Tgt Ion: 264 Resp: 201466
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.6 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 8.39 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion: 252 Resp: 106069
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 15.8 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 9.64 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

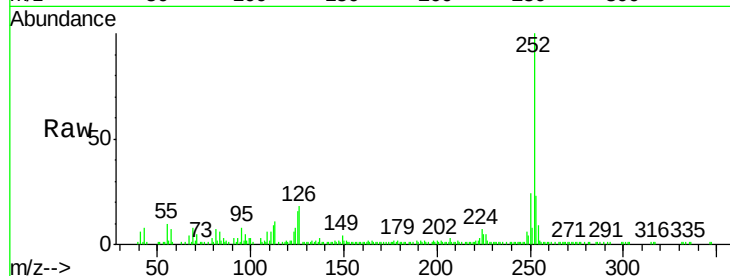
Instrument :

BNA_F

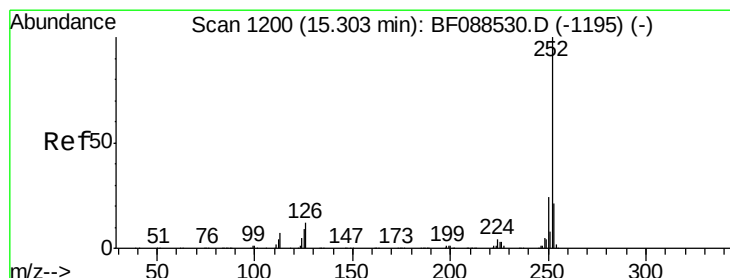
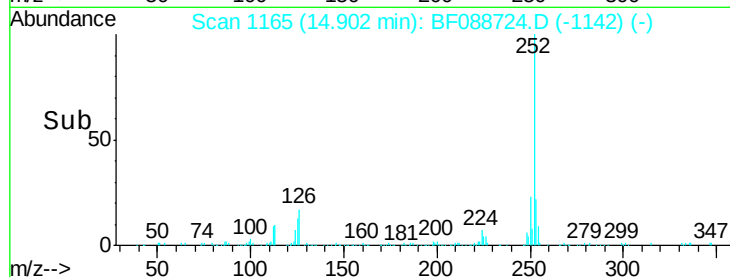
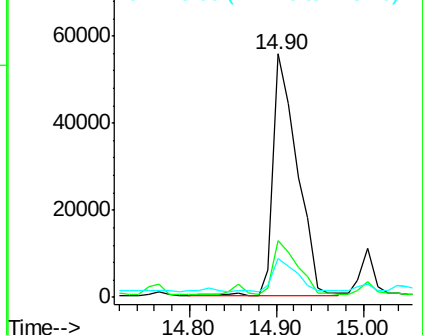
ClientSampleId :

Q6-B1-0-6-C

Tgt Ion:	252	Resp:	106069
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	15.8	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



#89

Benzo(a)pyrene

Concen: 4.30 ng

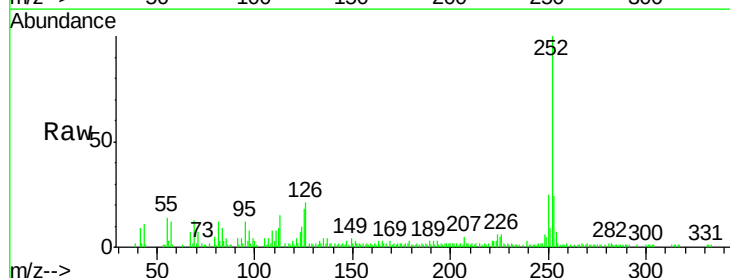
RT: 15.23 min Scan# 1194

Delta R.T. -0.01 min

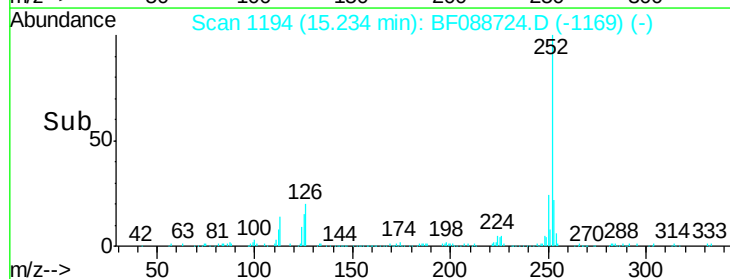
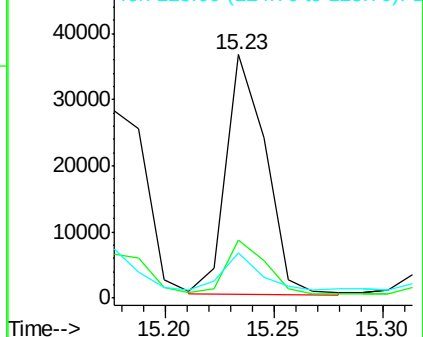
Lab File: BF088724.D

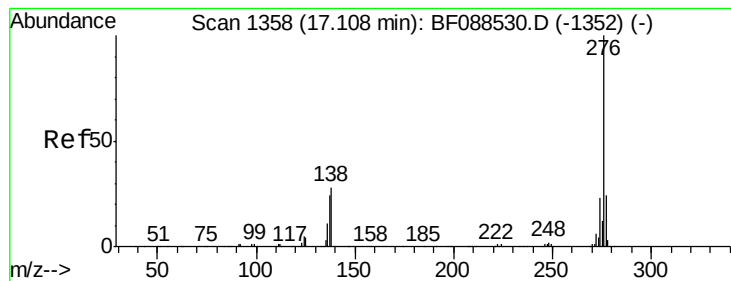
Acq: 6 Jul 2016 1:34

Tgt Ion:	252	Resp:	46015
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	18.5	12.5	18.7



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





#91

Benzo(g,h,i)perylene

Concen: 3.14 ng

RT: 17.02 min Scan# 1350

Delta R.T. -0.02 min

Lab File: BF088724.D

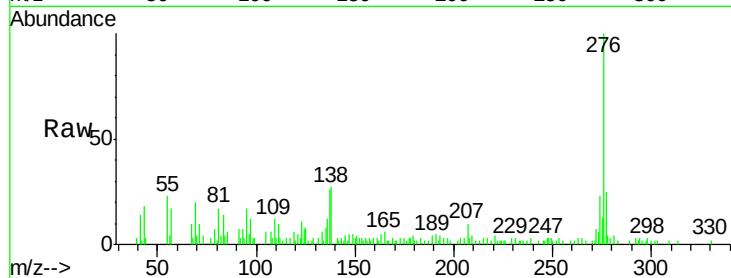
Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C



Tgt Ion:	276	Resp:	29007
Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	26.7	21.4	32.2

