

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088980.D
 Acq On : 14 Jul 2016 2:03
 Operator : UM/SJ
 Sample : H3946-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B1(0-5)C

Quant Time: Jul 14 03:12:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:23:58 2016
 Response via : Initial Calibration

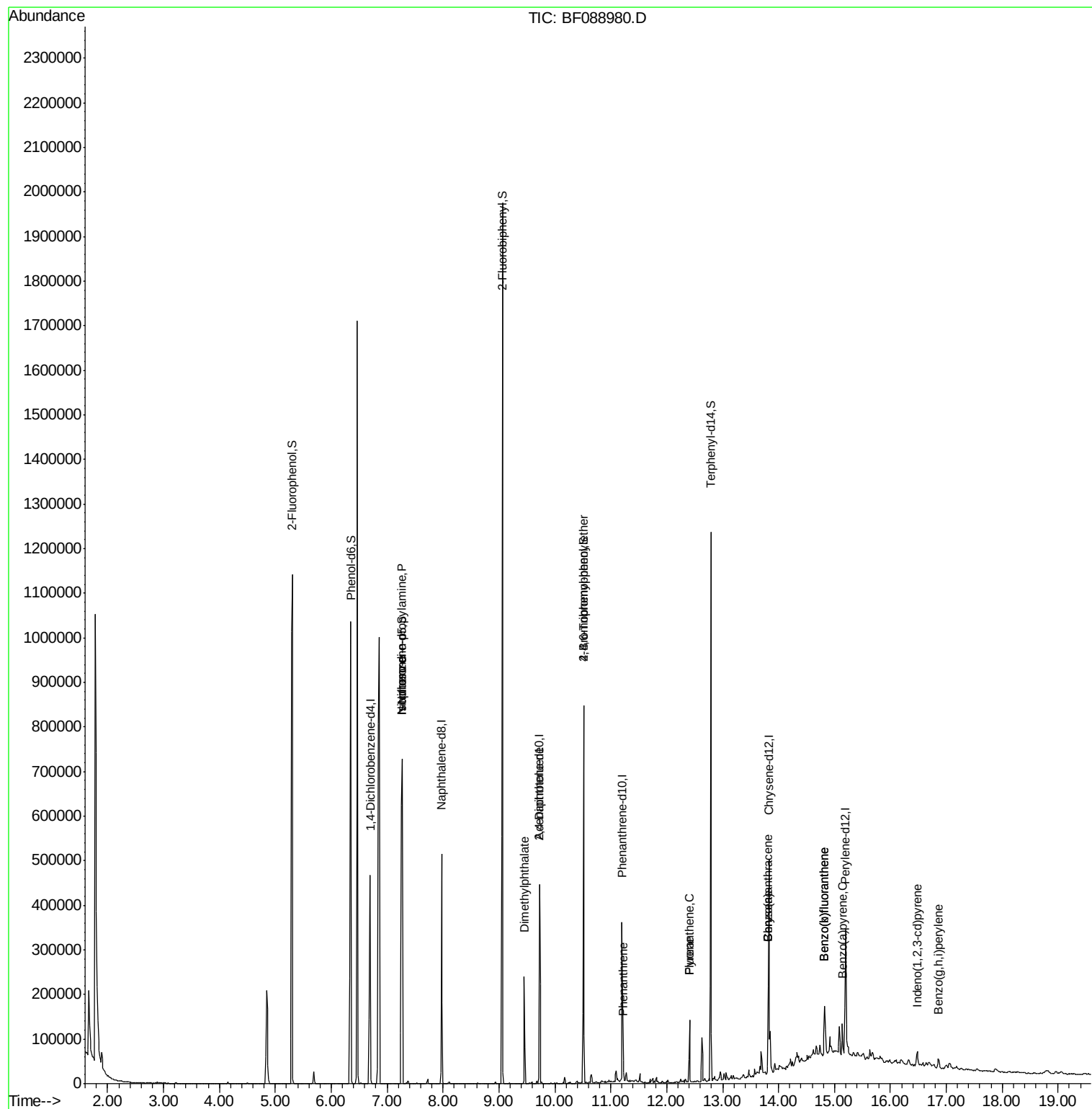
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	70472	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	243311	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	97737	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	149593	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	130822	20.00	ng	-0.01
86) Perylene-d12	15.20	264	108144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	461647	98.18	ng	0.01
7) Phenol-d6	6.35	99	580998	95.62	ng	0.00
23) Nitrobenzene-d5	7.27	82	356633	76.81	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	85852	94.59	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	584808	94.51	ng	0.00
78) Terphenyl-d14	12.79	244	330857	56.33	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	47748	11.70	ng	# 67
25) Isophorone	7.27	82	328321	38.18	ng	# 65
49) Dimethylphthalate	9.45	163	101551	14.58	ng	99
56) 2,4-Dinitrotoluene	9.72	165	12785	6.34	ng	# 36
66) 4-Bromophenyl-phenylether	10.51	248	6171	4.09	ng	# 1
70) Phenanthrene	11.22	178	20460	2.50	ng	99
74) Fluoranthene	12.41	202	59761	7.21	ng	94
77) Pyrene	12.41	202	59761	5.39	ng	96
80) Benzo(a)anthracene	13.82	228	41594	4.94	ng	97
82) Chrysene	13.82	228	41594	4.99	ng	97
85) Indeno(1,2,3-cd)pyrene	16.48	276	19982	3.12	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	65276	9.62	ng	# 93
88) Benzo(k)fluoranthene	14.82	252	65276	11.05	ng	98
89) Benzo(a)pyrene	15.14	252	29330	5.11	ng	97
91) Benzo(g,h,i)perylene	16.86	276	17578	3.54	ng	96

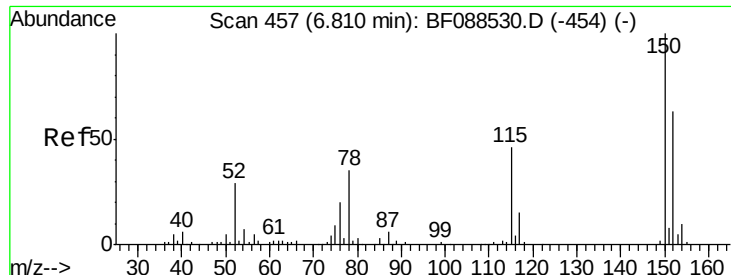
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

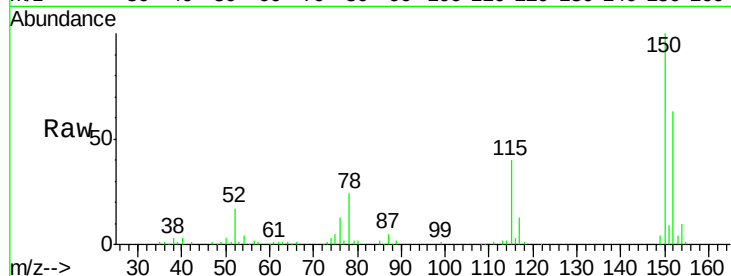
Tgt Ion:152 Resp: 70472

Ion Ratio Lower Upper

152 100

150 158.2 123.8 185.6

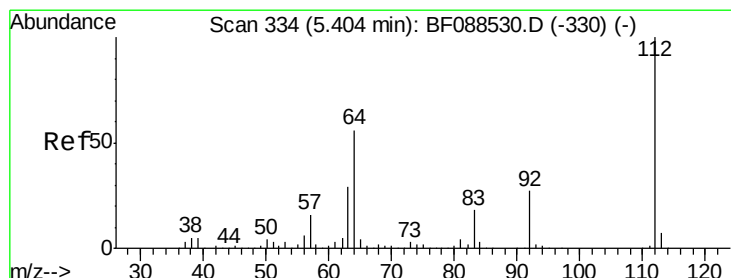
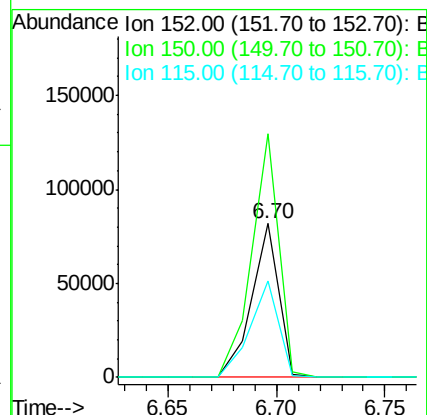
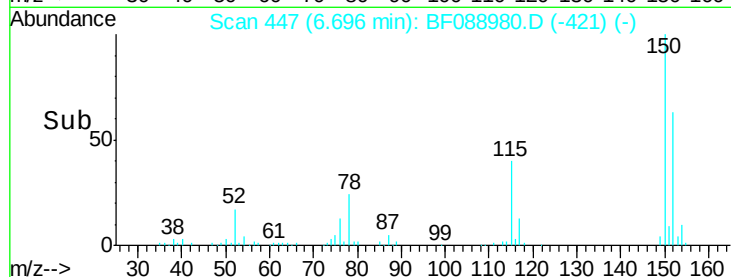
115 62.6 39.6 59.4#



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: 98.18 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

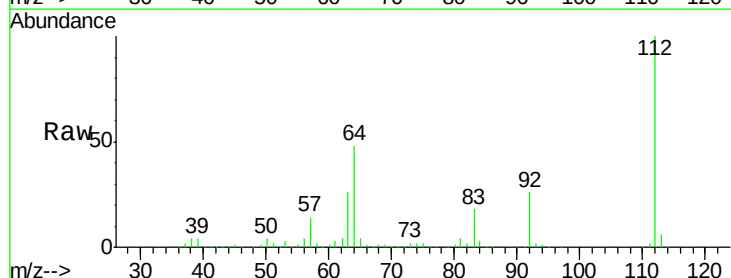
Tgt Ion:112 Resp: 461647

Ion Ratio Lower Upper

112 100

64 47.7 42.2 63.2

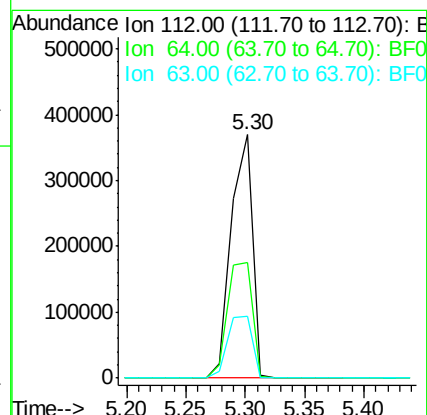
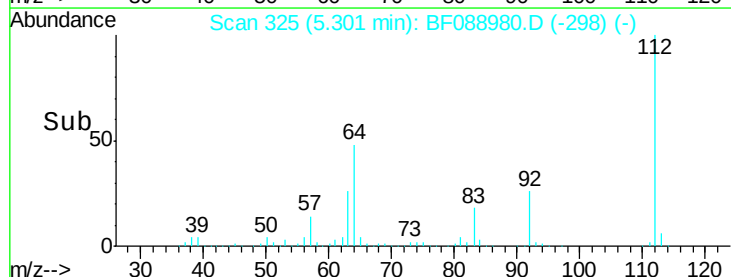
63 25.6 21.8 32.8

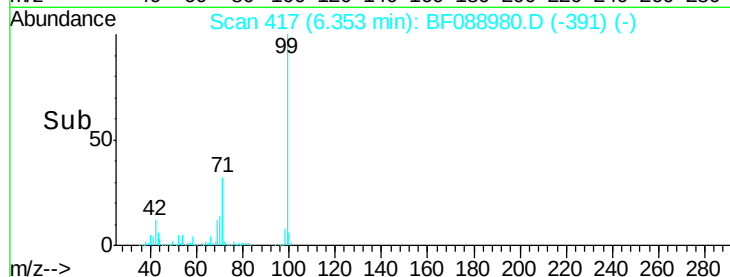
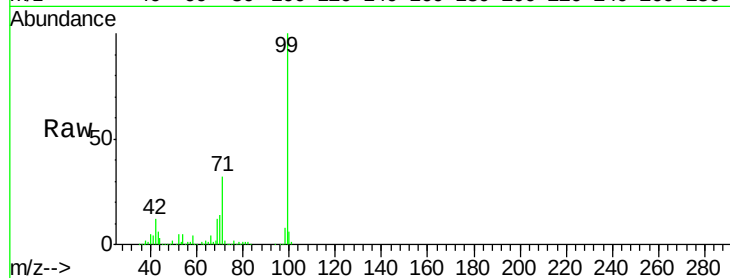
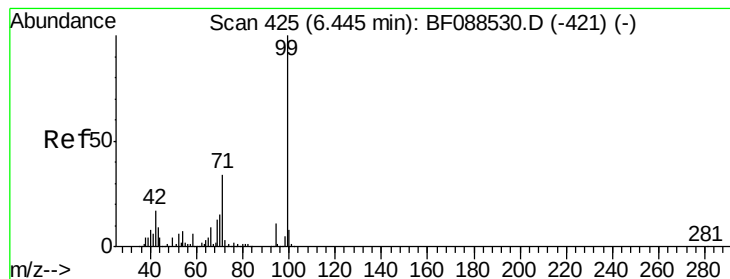


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.62 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

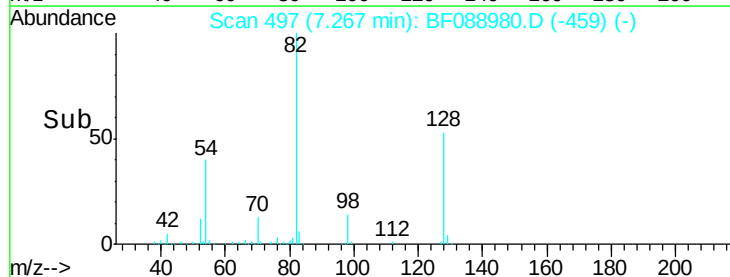
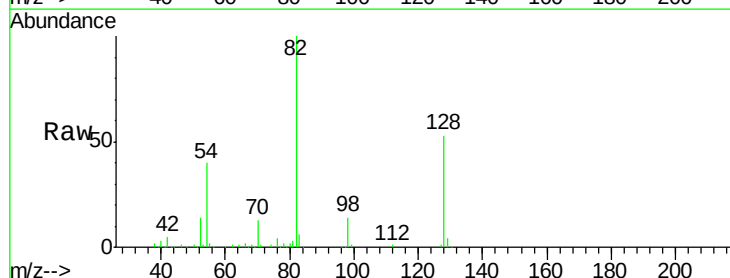
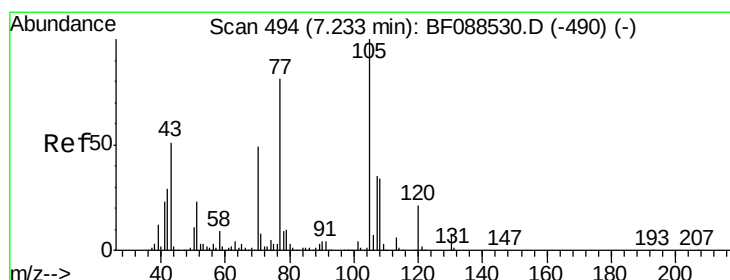
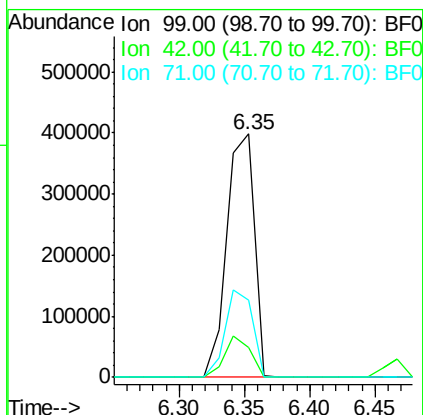
Tgt Ion: 99 Resp: 580998

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

71 31.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.70 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.14 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion: 70 Resp: 47748

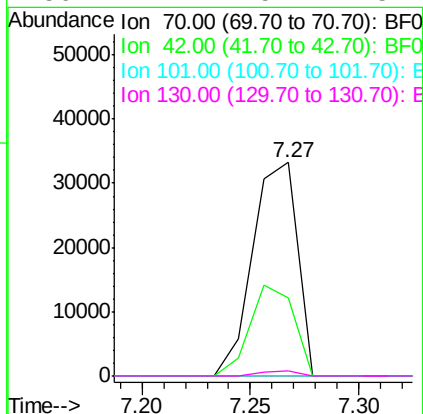
Ion Ratio Lower Upper

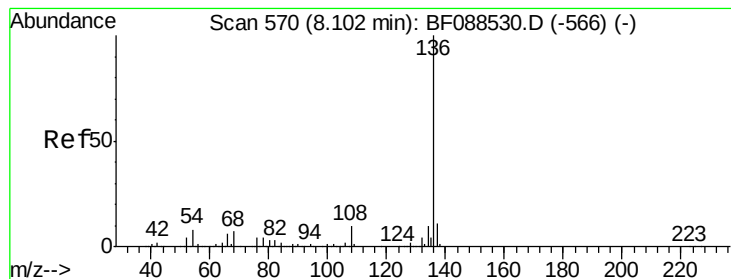
70 100

42 36.8 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: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

Tgt Ion: 136 Resp: 243311

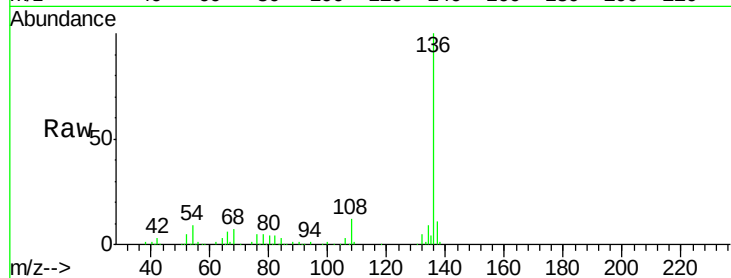
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.7 6.6 10.0

68 6.5 5.1 7.7

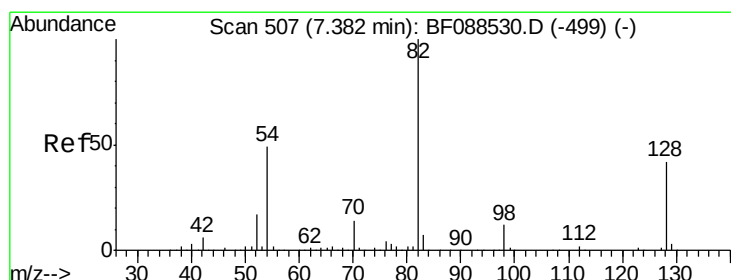
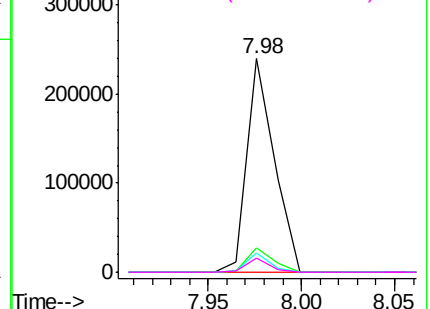
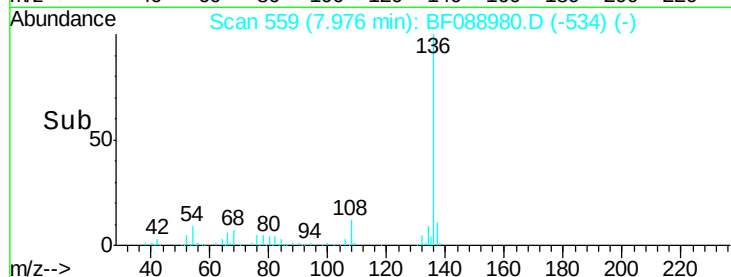


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.81 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.00 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

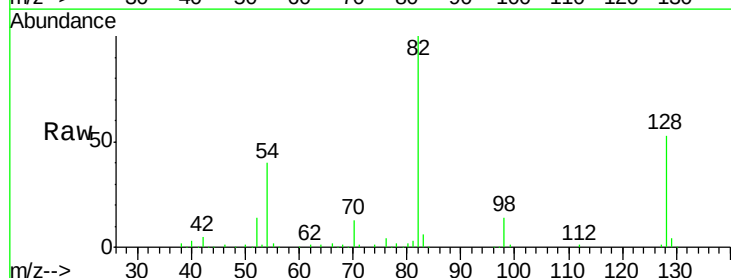
Tgt Ion: 82 Resp: 356633

Ion Ratio Lower Upper

82 100

128 52.9 35.9 53.9

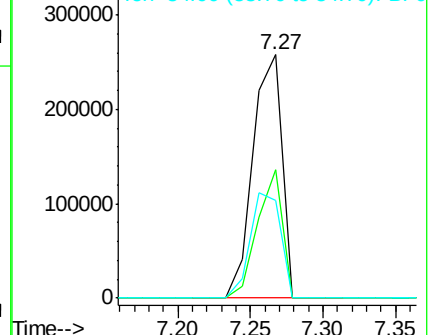
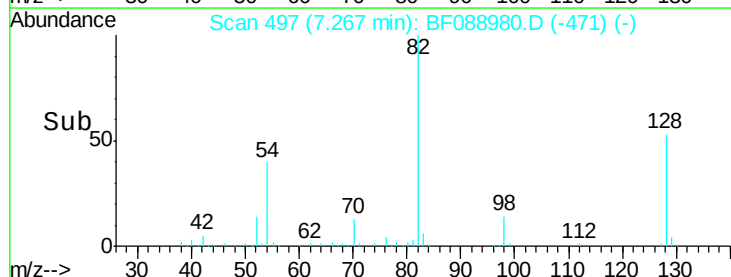
54 40.1 40.9 61.3#

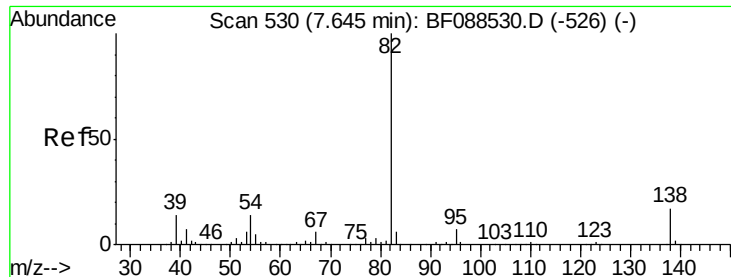


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.18 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.26 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

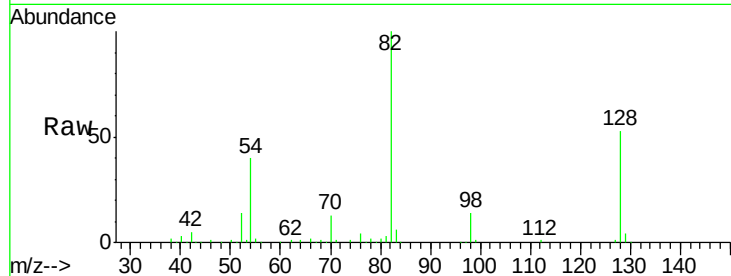
Tgt Ion: 82 Resp: 328321

Ion Ratio Lower Upper

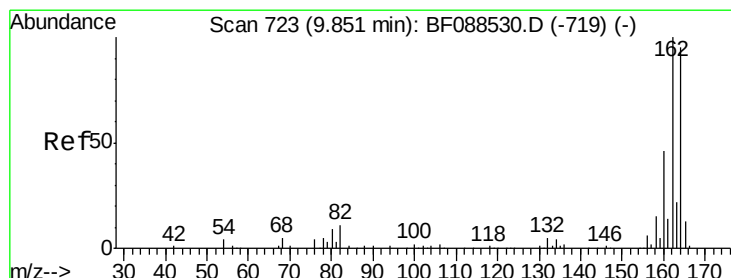
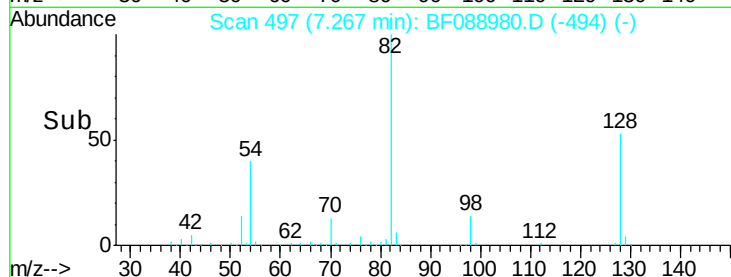
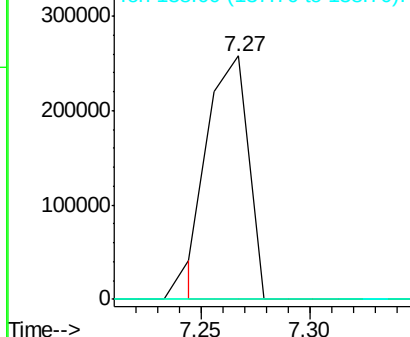
82 100

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: 9.72 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

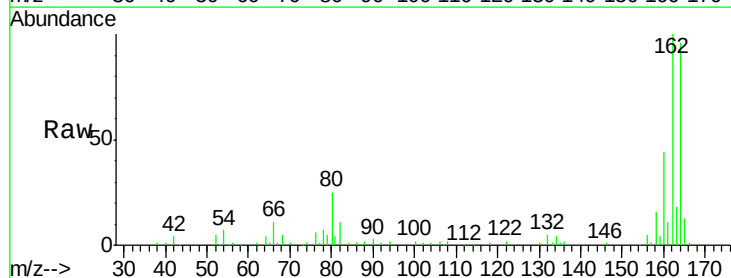
Tgt Ion: 164 Resp: 97737

Ion Ratio Lower Upper

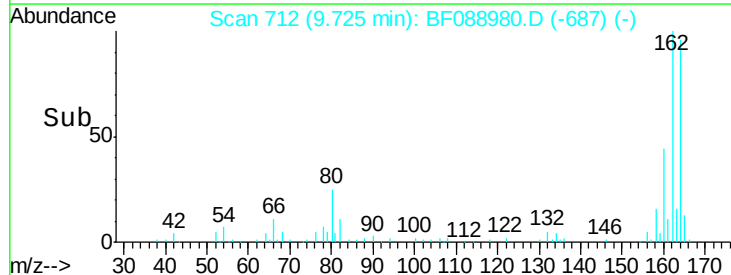
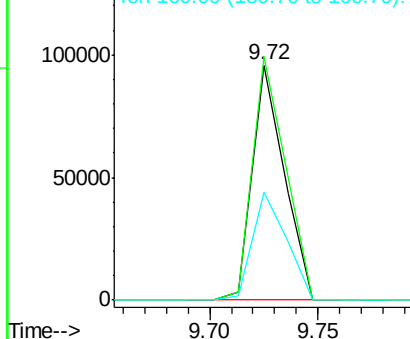
164 100

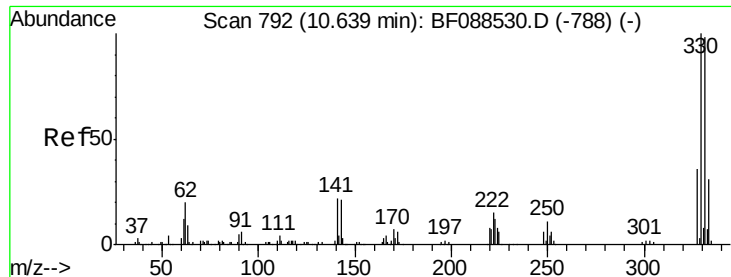
162 103.7 85.4 128.2

160 46.0 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

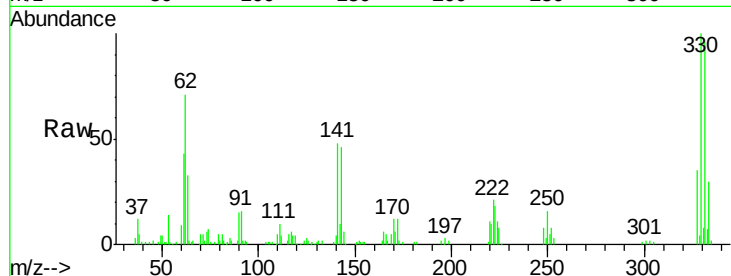




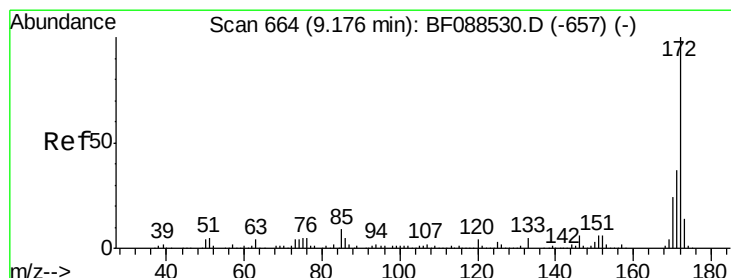
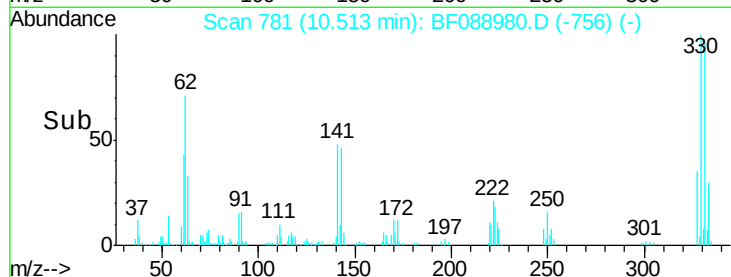
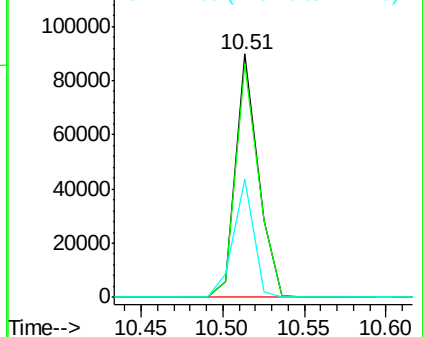
#41
 2,4,6-Tribromophenol
 Concen: 94.59 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B1(0-5)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	43.2	0.0	0.0#

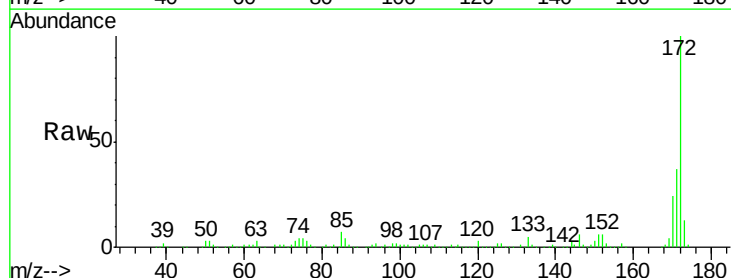


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

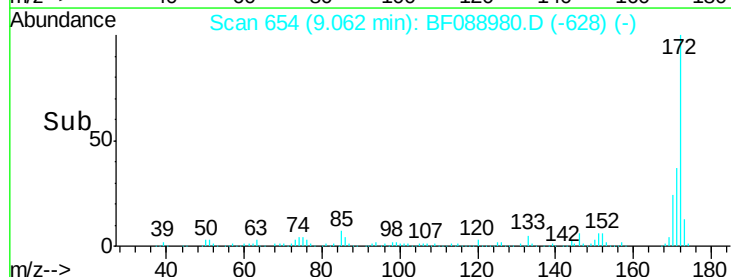
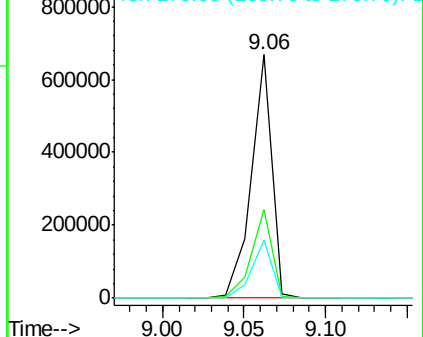


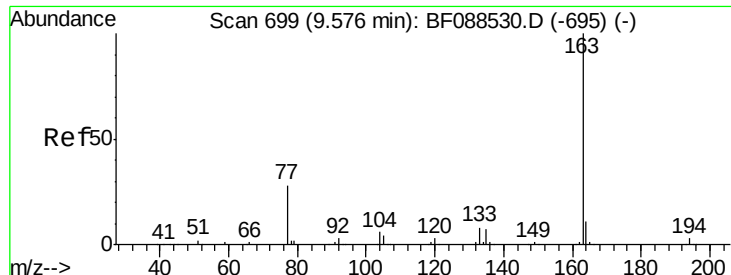
#44
 2-Fluorobiphenyl
 Concen: 94.51 ng
 RT: 9.06 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: BF088980.D
 Acq: 14 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	23.9	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: 14.58 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

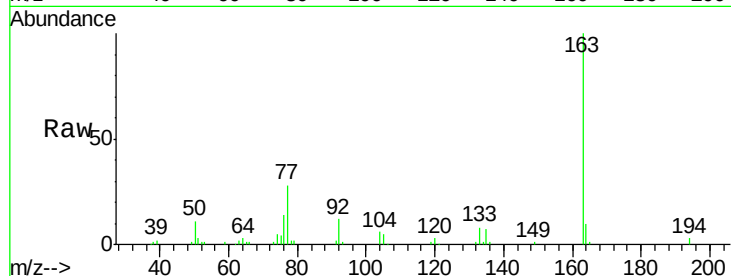
Tgt Ion:163 Resp: 101551

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

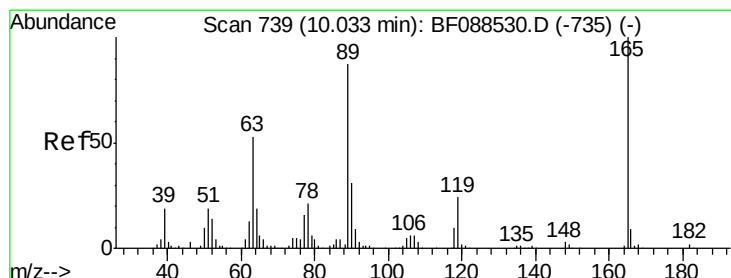
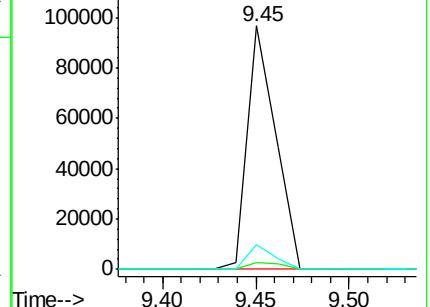
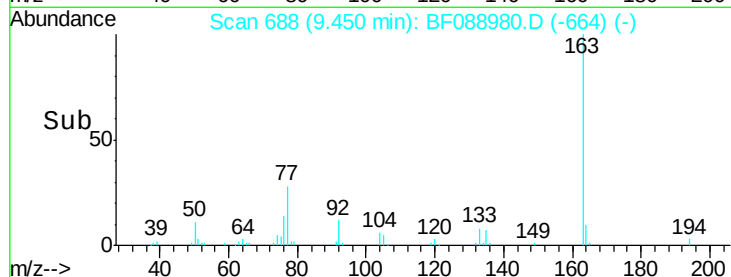
164 10.1 8.3 12.5



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: 6.34 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.21 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Tgt Ion:165 Resp: 12785

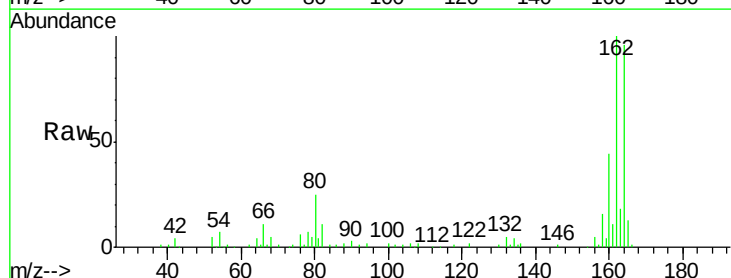
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

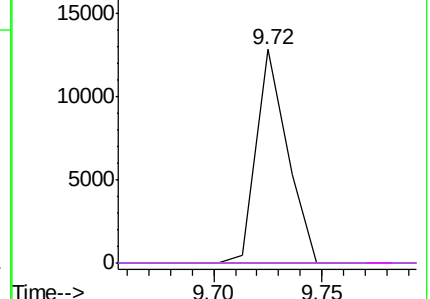
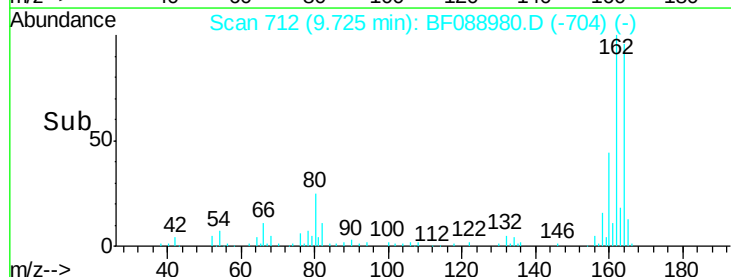


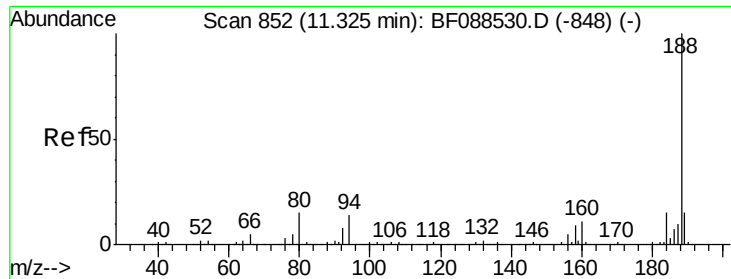
Abundance Ion 165.00 (164.70 to 165.70): E

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

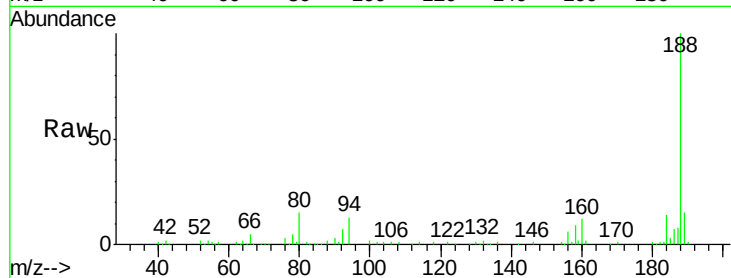




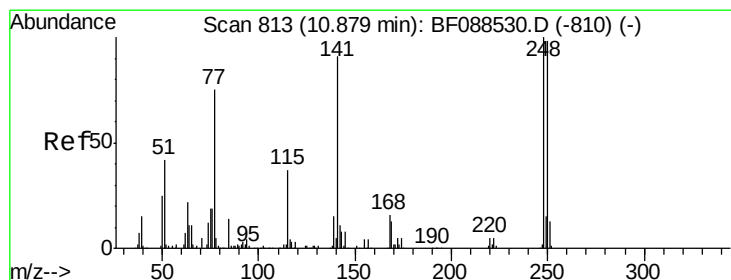
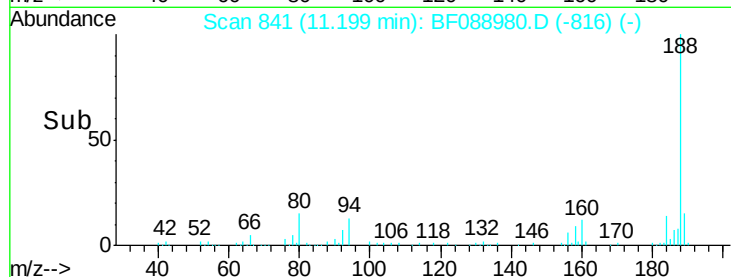
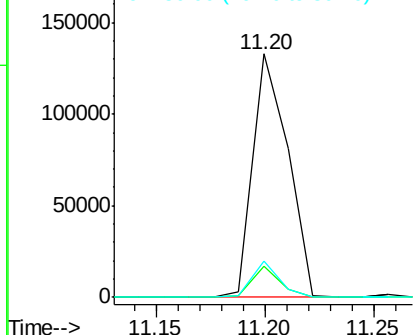
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tgt Ion:188 Resp: 149593
Ion Ratio Lower Upper
188 100
94 12.9 9.0 13.6
80 14.8 10.0 15.0

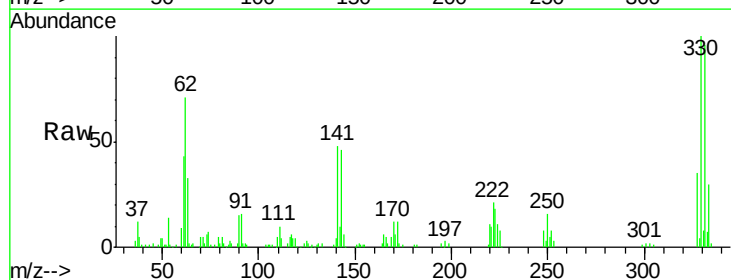


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

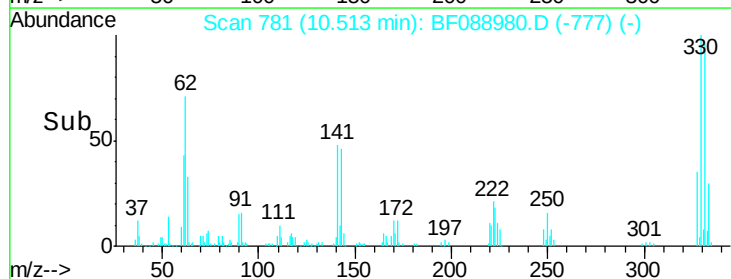
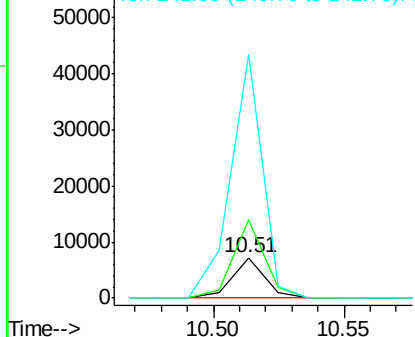


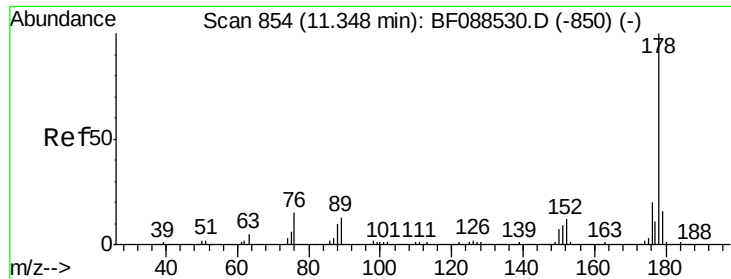
#66
4-Bromophenyl-phenylether
Concen: 4.09 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion:248 Resp: 6171
Ion Ratio Lower Upper
248 100
250 193.3 77.1 115.7#
141 601.2 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

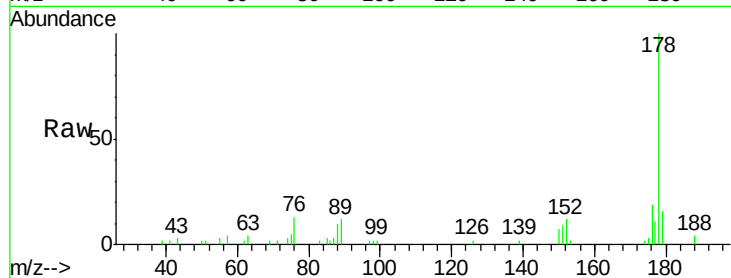




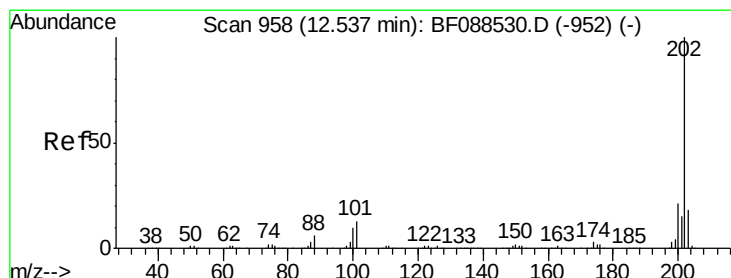
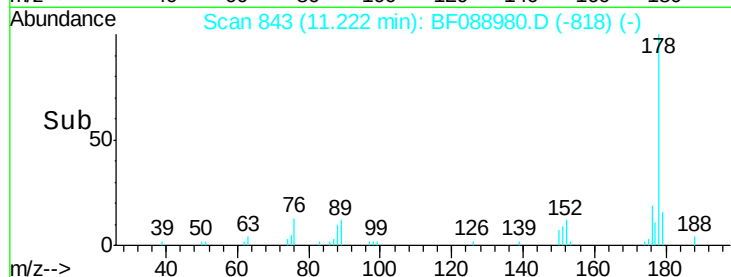
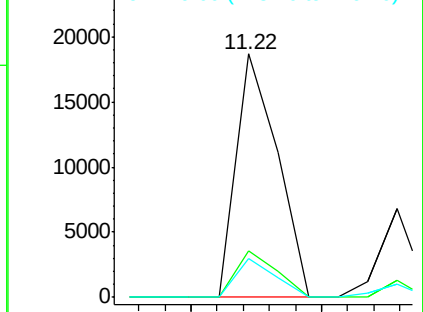
#70
Phenanthrene
Concen: 2.50 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tgt Ion:178 Resp: 20460
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.9 13.0 19.4

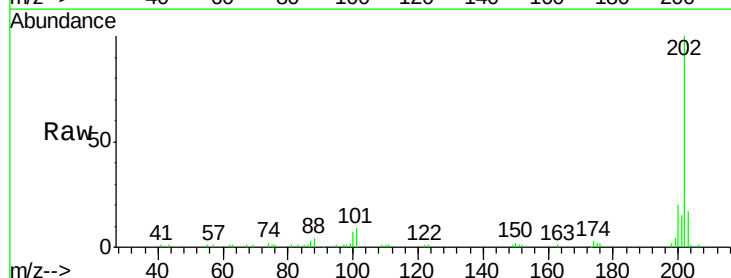


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

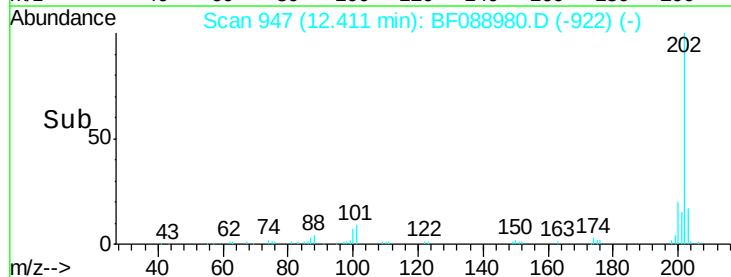
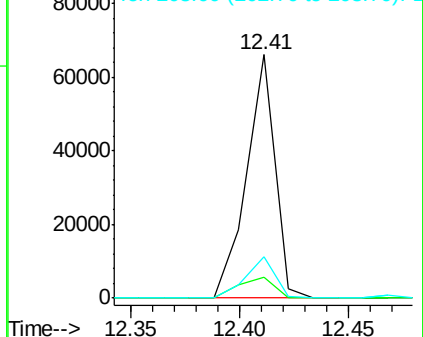


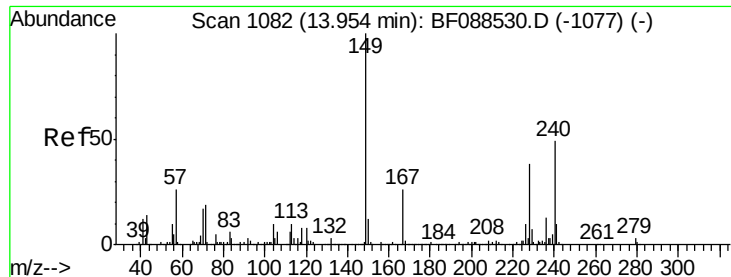
#74
Fluoranthene
Concen: 7.21 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion:202 Resp: 59761
Ion Ratio Lower Upper
202 100
101 8.6 0.0 33.1
203 16.8 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: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

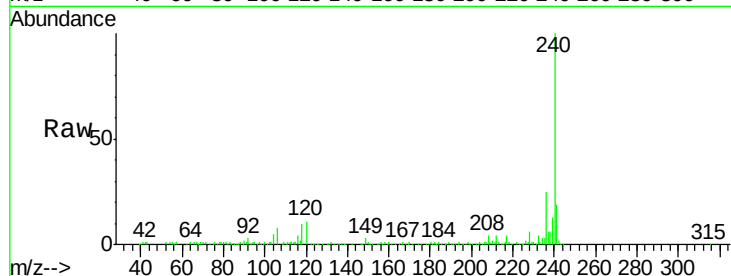
Tgt Ion:240 Resp: 130822

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

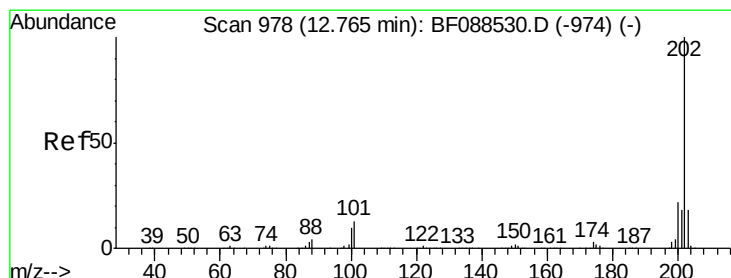
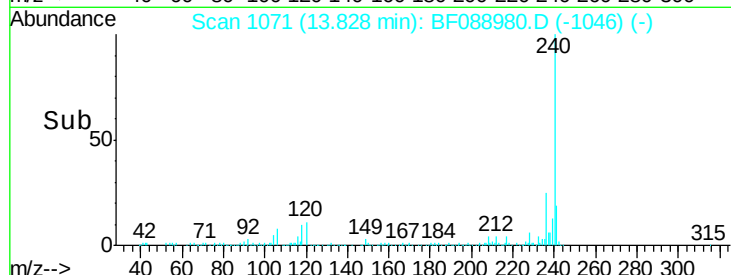
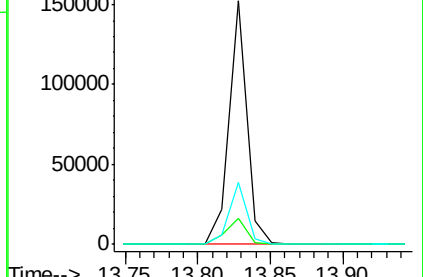
236 25.4 20.2 30.2



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: 5.39 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.23 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

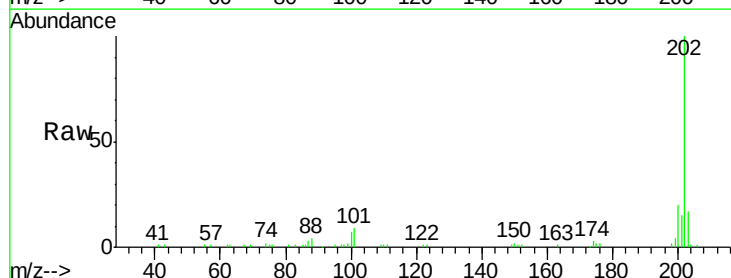
Tgt Ion:202 Resp: 59761

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

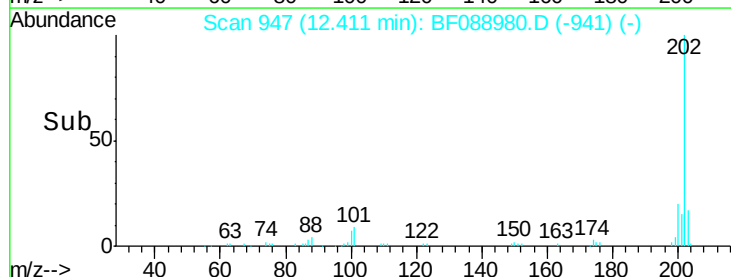
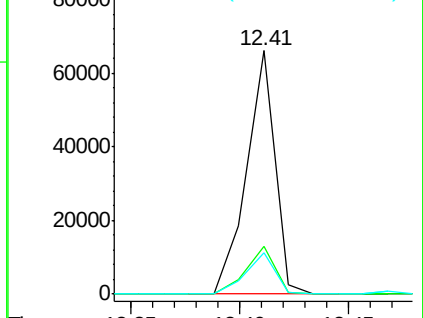
203 16.8 14.5 21.7

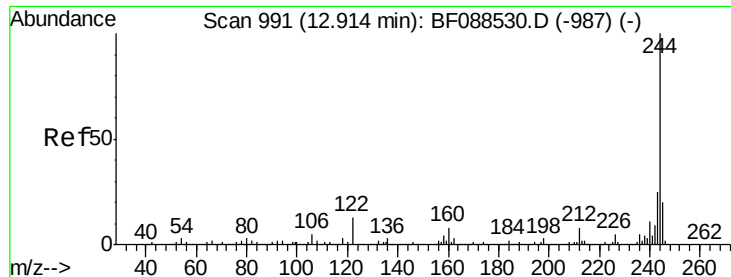


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.33 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

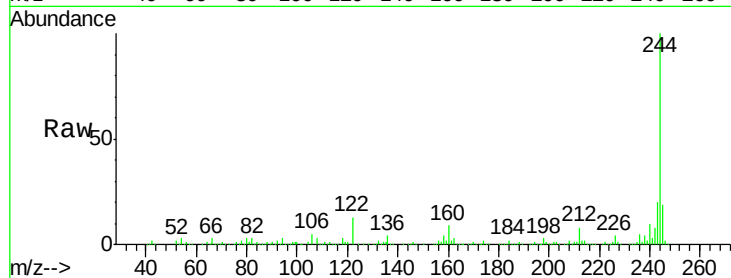
Tgt Ion:244 Resp: 330857

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

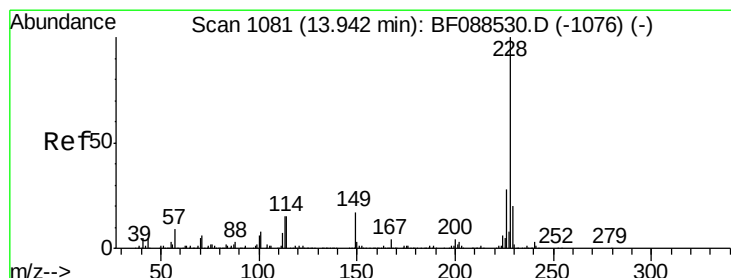
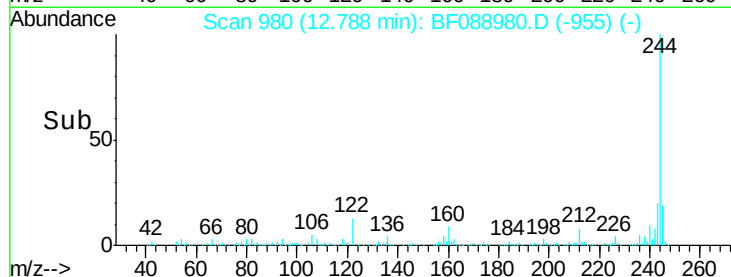
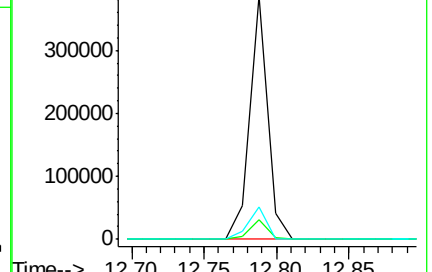
122 13.5 11.2 16.8



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: 4.94 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

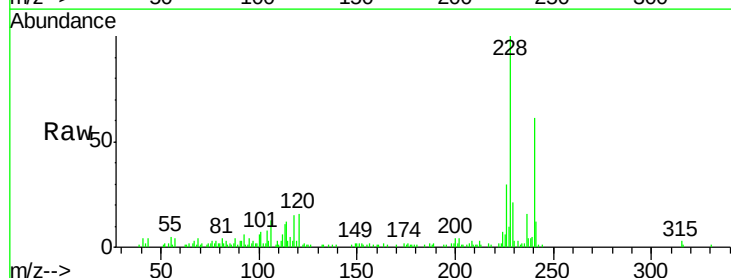
Tgt Ion:228 Resp: 41594

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

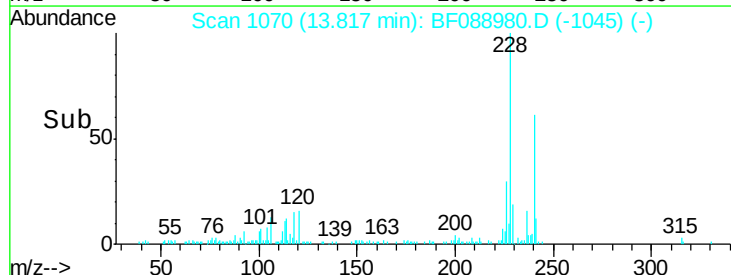
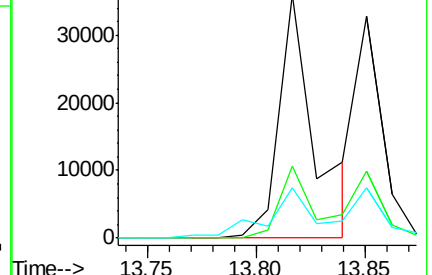
229 20.7 16.0 24.0

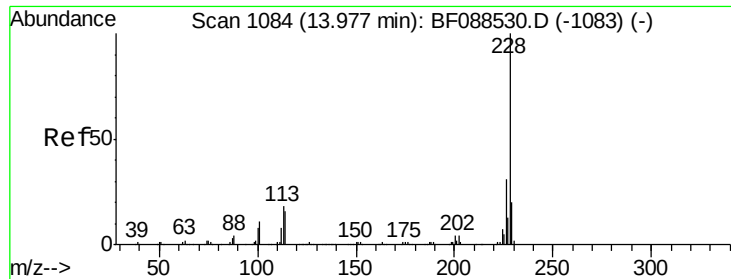


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.99 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.05 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

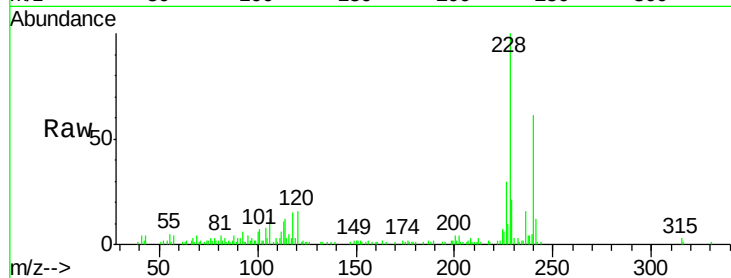
Tgt Ion:228 Resp: 41594

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

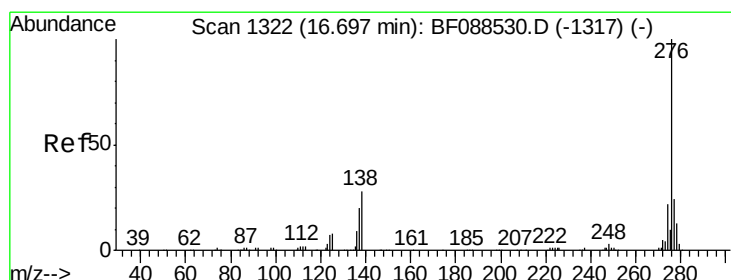
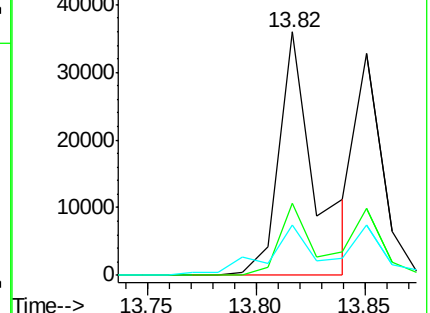
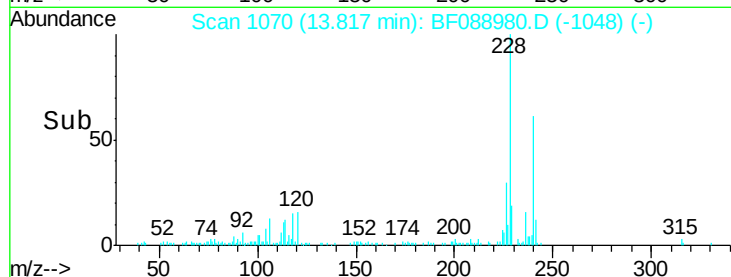
229 20.7 16.3 24.5



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: 3.12 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

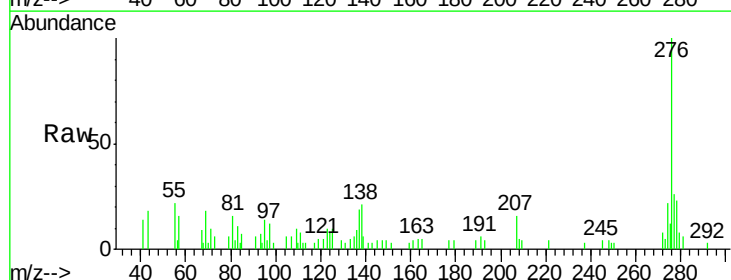
Tgt Ion:276 Resp: 19982

Ion Ratio Lower Upper

276 100

138 26.5 0.0 0.0#

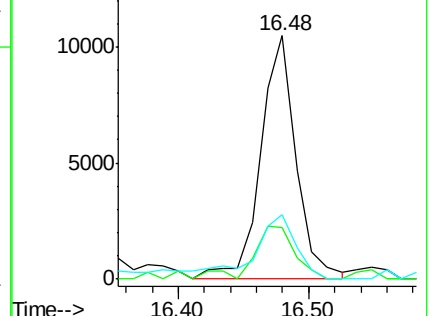
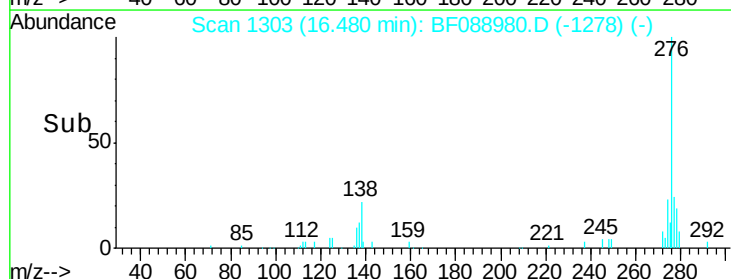
277 31.2 0.0 0.0#

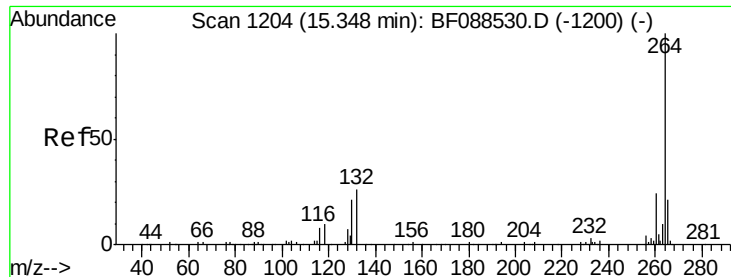


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

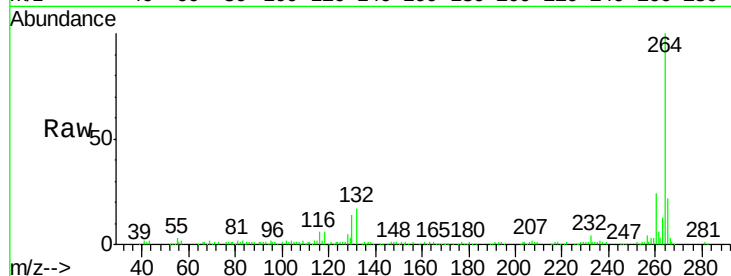




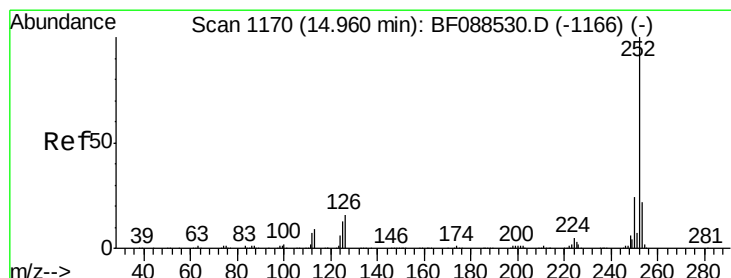
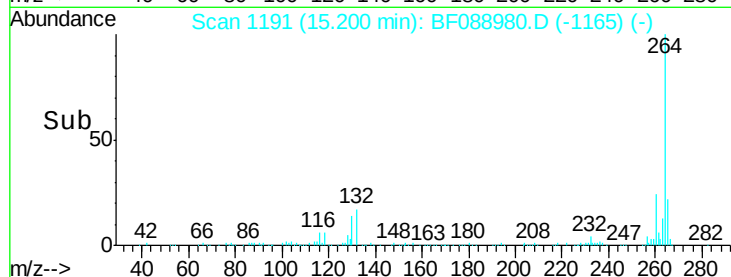
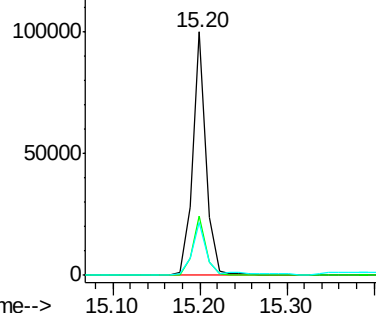
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Instrument :
BNA_F
ClientSampleId :
Q7-B1(0-5)C

Tgt Ion: 264 Resp: 108144
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.8 16.9 25.3

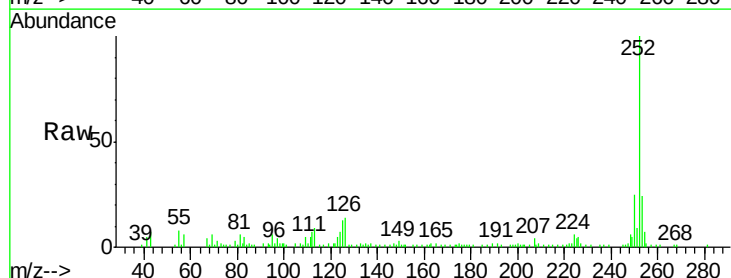


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

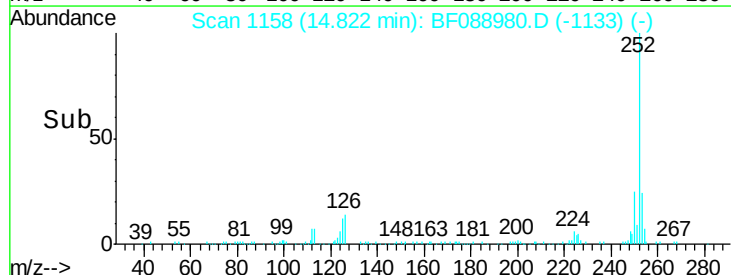
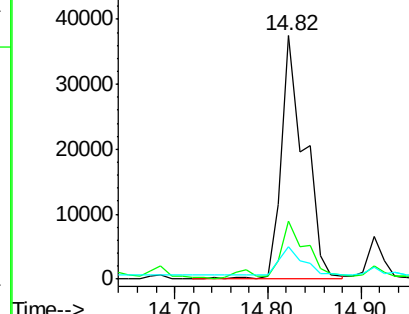


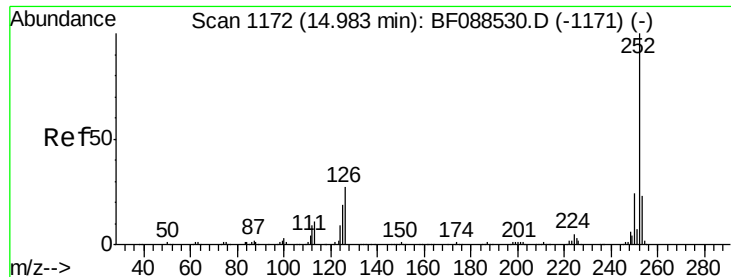
#87
Benzo(b)fluoranthene
Concen: 9.62 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088980.D
Acq: 14 Jul 2016 2:03

Tgt Ion: 252 Resp: 65276
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 13.4 7.1 10.7#



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





#88

Benzo(k)fluoranthene

Concen: 11.05 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

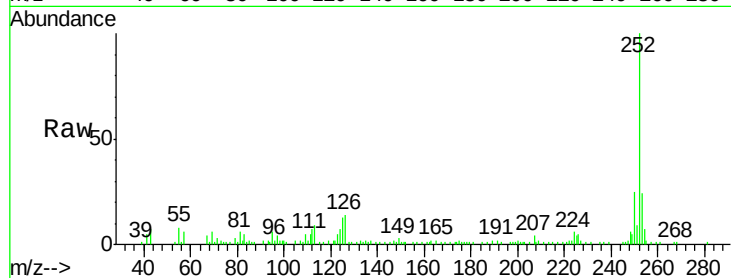
Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

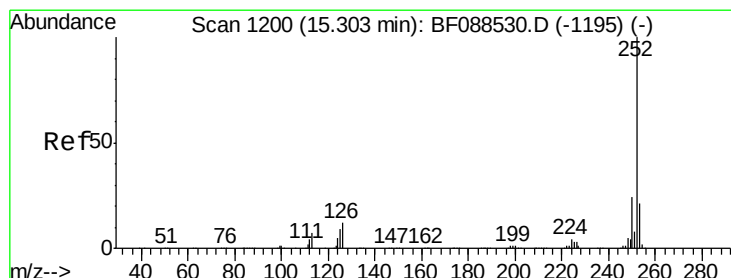
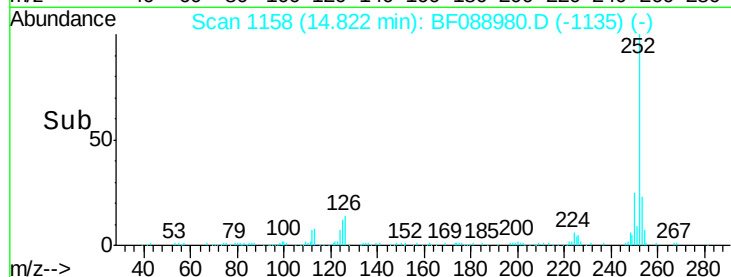
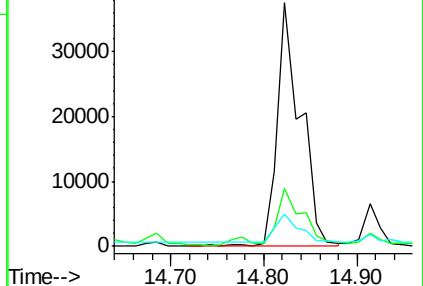
Tgt Ion:	252	Resp:	65276
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	13.4	11.2	16.8



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: 5.11 ng

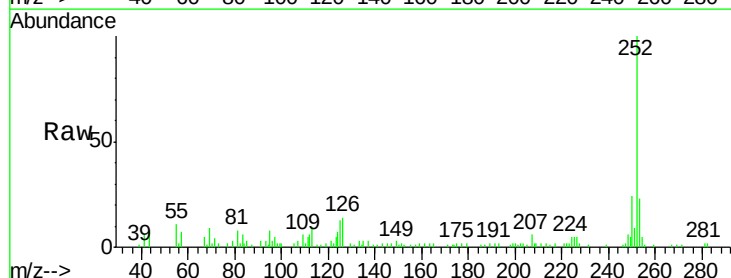
RT: 15.14 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

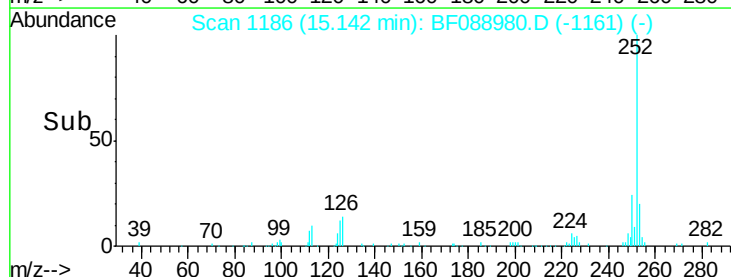
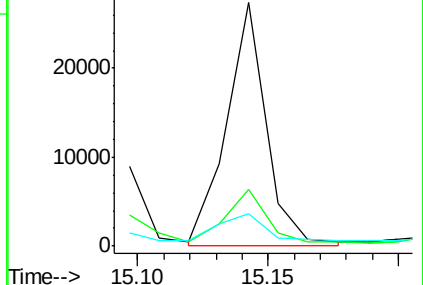
Tgt Ion:	252	Resp:	29330
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	13.3	12.5	18.7

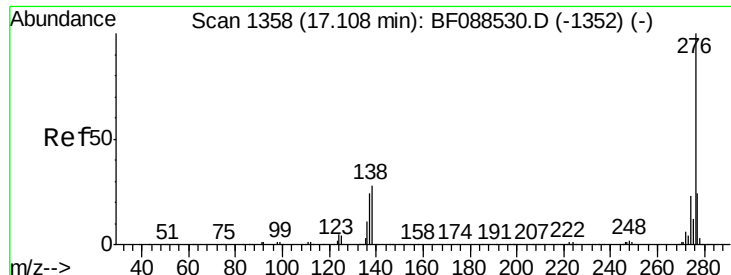


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.54 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF088980.D

Acq: 14 Jul 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Q7-B1(0-5)C

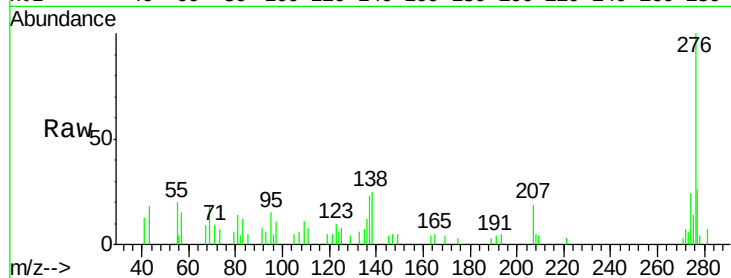
Tgt Ion: 276 Resp: 17578

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 24.6 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

