

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088677.D
 Acq On : 4 Jul 2016 6:19
 Operator : UM/SJ
 Sample : H3784-02
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 07:04:18 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

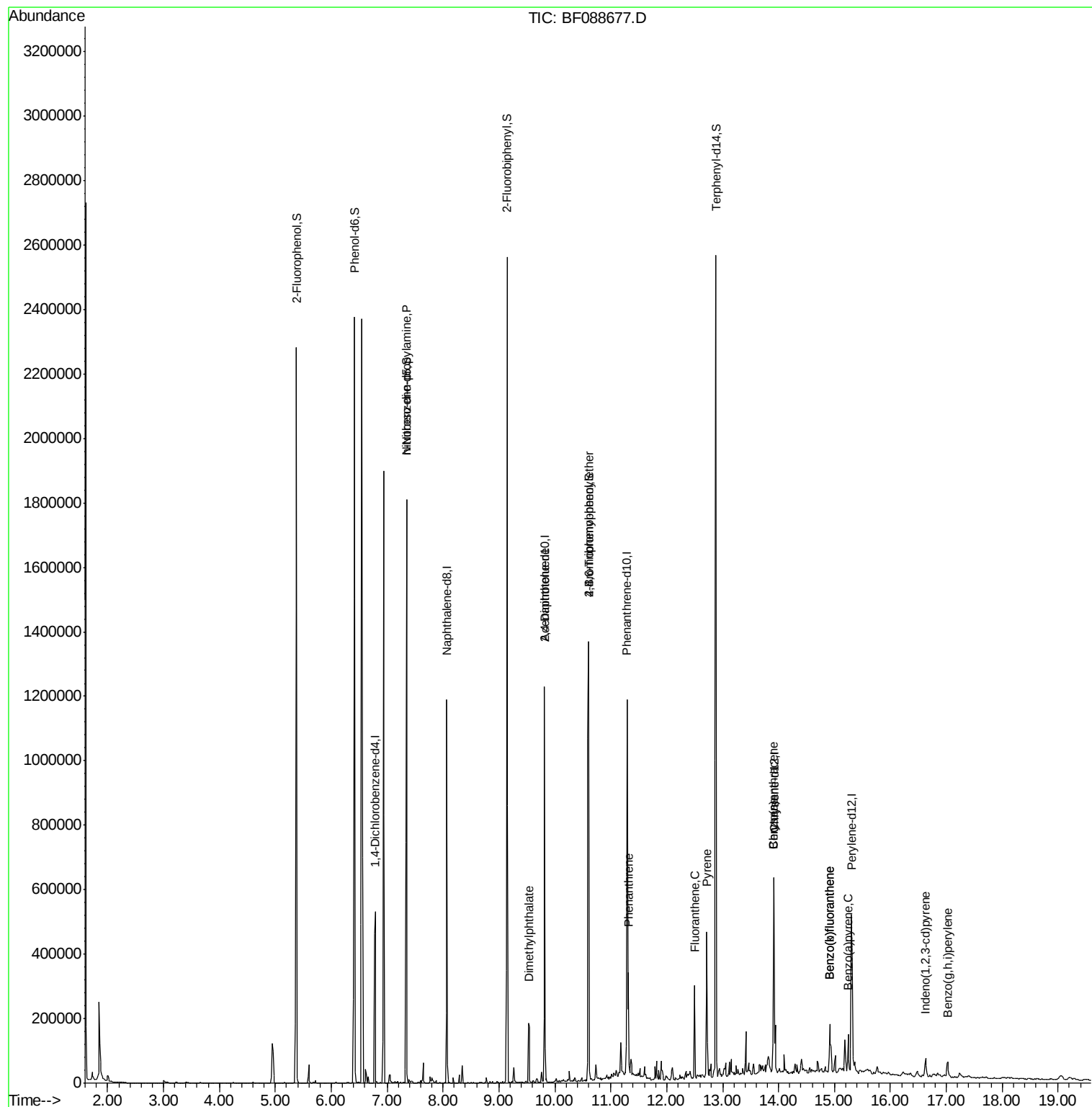
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114759	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	486963	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	217246	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	377311	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	237463	20.00	ng	-0.03
86) Perylene-d12	15.30	264	229306	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	781138	102.01	ng	-0.02
7) Phenol-d6	6.42	99	1050225	106.15	ng	-0.02
23) Nitrobenzene-d5	7.35	82	641688	69.06	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	218760	108.44	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	859761	62.51	ng	-0.03
78) Terphenyl-d14	12.88	244	775278	72.72	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	86807	13.06	ng	# 71
49) Dimethylphthalate	9.54	163	111280	7.19	ng	97
56) 2,4-Dinitrotoluene	9.82	165	28485	6.35	ng	# 38
66) 4-Bromophenyl-phenylether	10.60	248	14083	3.70	ng	# 1
70) Phenanthrene	11.31	178	102159	4.95	ng	98
74) Fluoranthene	12.50	202	159916	7.65	ng	93
77) Pyrene	12.72	202	149665	7.43	ng	99
80) Benzo(a)anthracene	13.91	228	60042	3.93	ng	97
82) Chrysene	13.91	228	60042	3.97	ng	98
85) Indeno(1,2,3-cd)pyrene	16.63	276	40700	3.50	ng	# 100
87) Benzo(b)fluoranthene	14.91	252	94371	6.56	ng	# 95
88) Benzo(k)fluoranthene	14.91	252	94371	7.54	ng	99
89) Benzo(a)pyrene	15.25	252	51953	4.27	ng	98
91) Benzo(a,h,i)perylene	17.03	276	39608	3.76	ng	97

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

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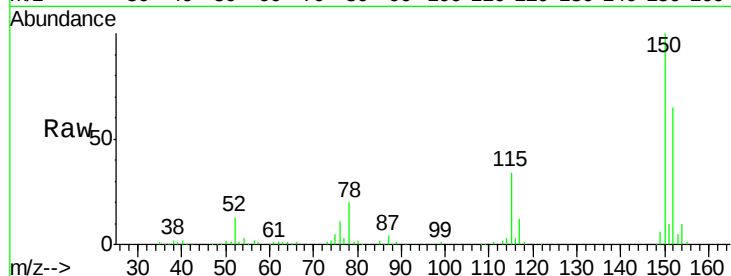


#1

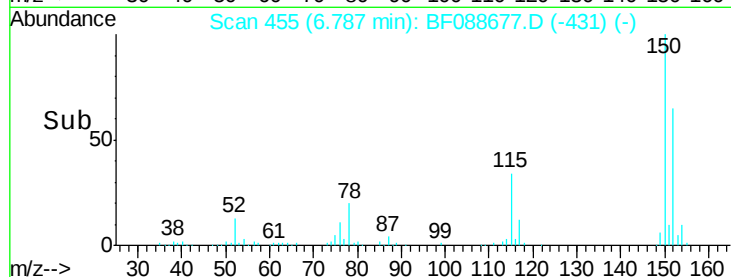
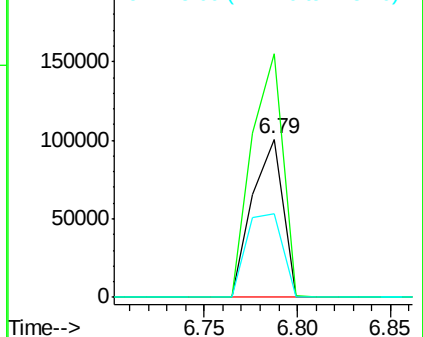
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114759
Ion Ratio Lower Upper
152 100
150 153.8 123.8 185.6
115 52.9 39.6 59.4



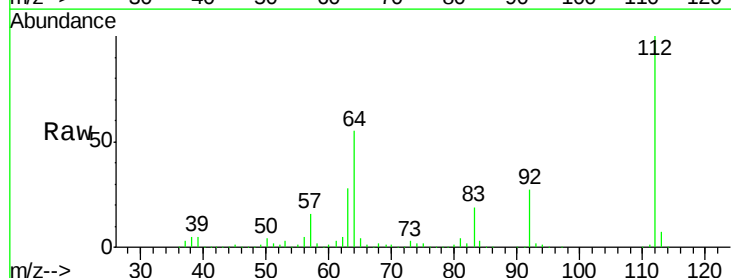
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



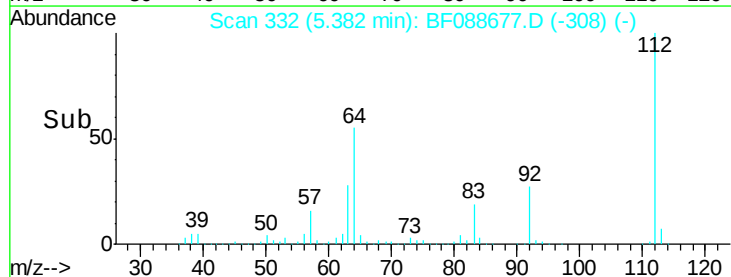
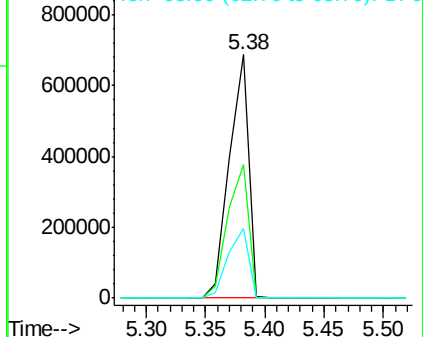
#5

2-Fluorophenol
Concen: 102.01 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:112 Resp: 781138
Ion Ratio Lower Upper
112 100
64 55.1 42.2 63.2
63 28.4 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: 106.15 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

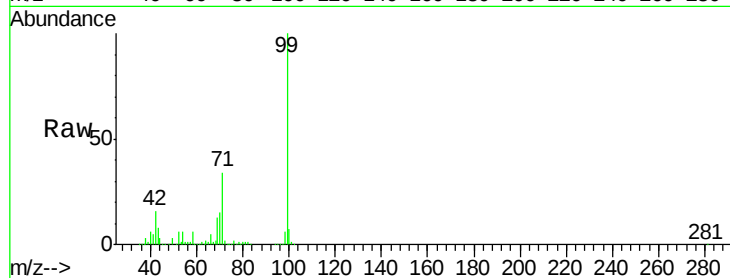
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1050225

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	34.1	23.4	35.0

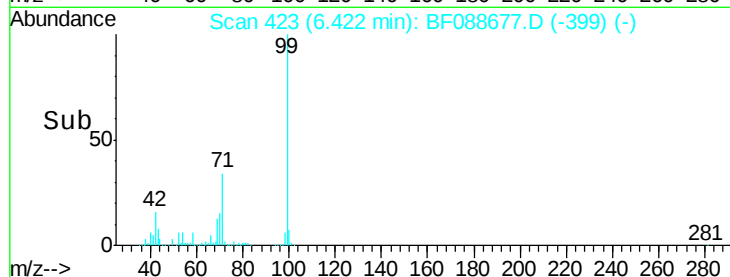
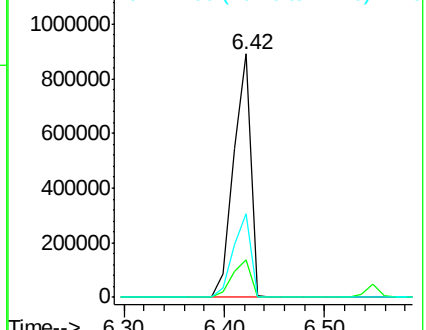


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.06 ng

RT: 7.35 min Scan# 504

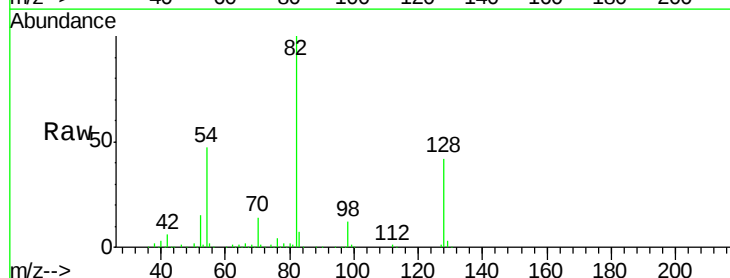
Delta R.T. 0.11 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Tgt Ion: 70 Resp: 86807

Ion	Ratio	Lower	Upper
70	100		
42	41.5	49.6	74.4#
101	0.0	7.1	10.7#
130	2.0	15.4	23.2#



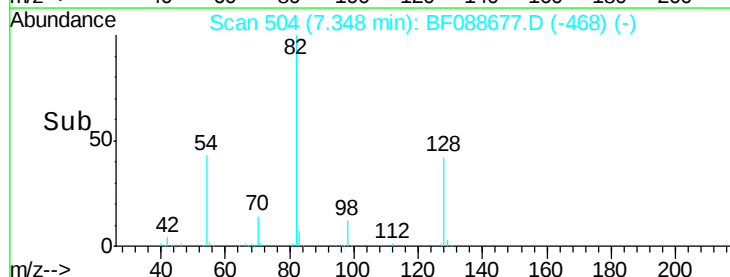
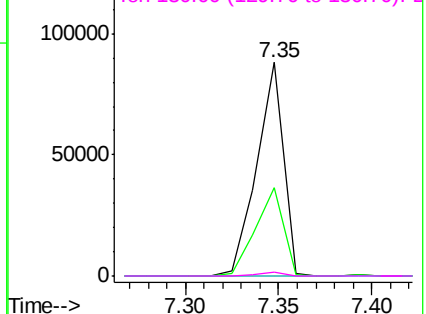
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 486963

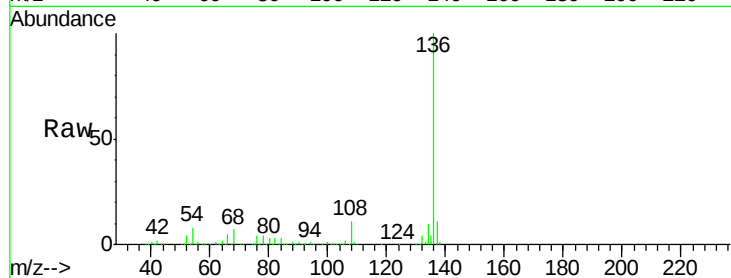
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.7 6.6 10.0

68 6.6 5.1 7.7

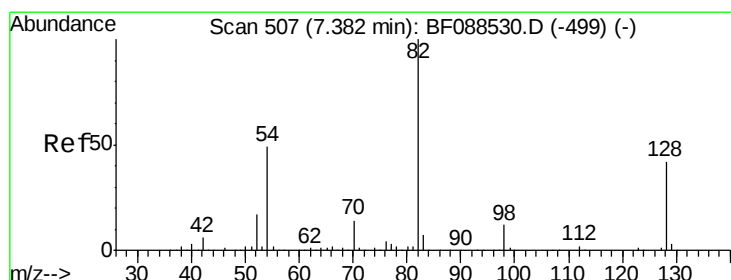
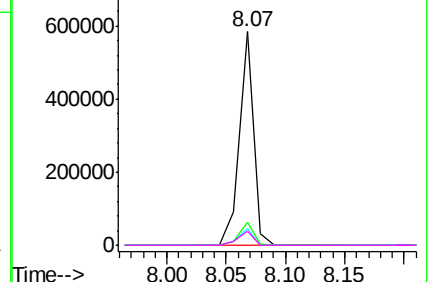
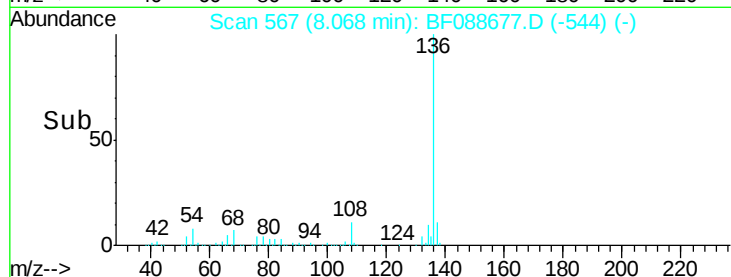


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.06 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

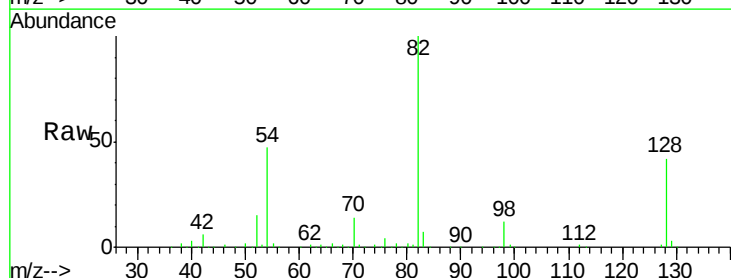
Tgt Ion: 82 Resp: 641688

Ion Ratio Lower Upper

82 100

128 42.3 35.9 53.9

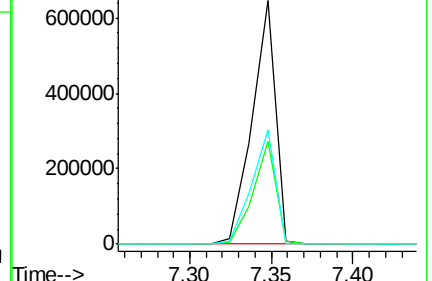
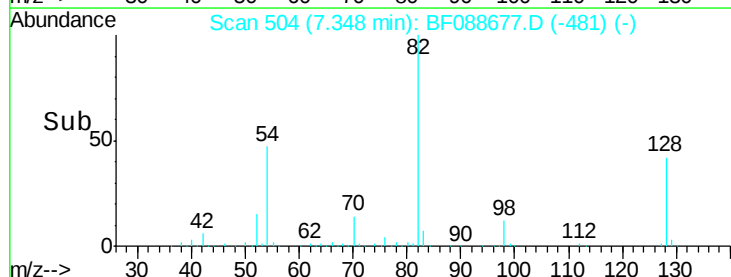
54 47.1 40.9 61.3

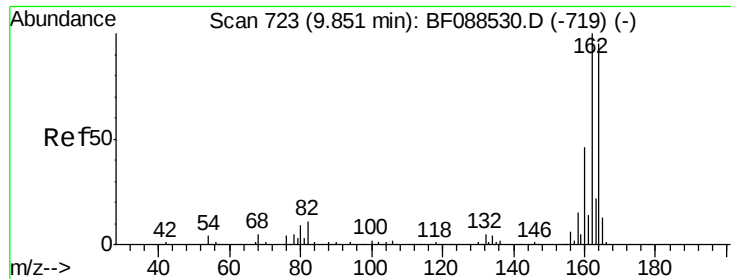


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

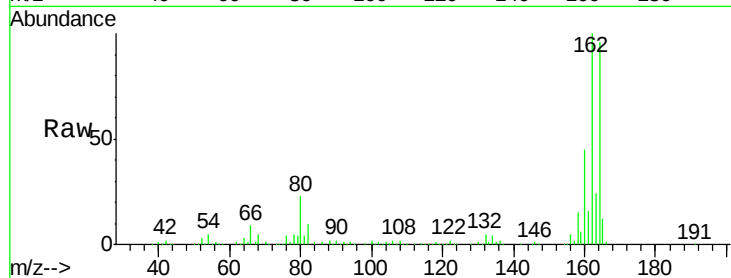




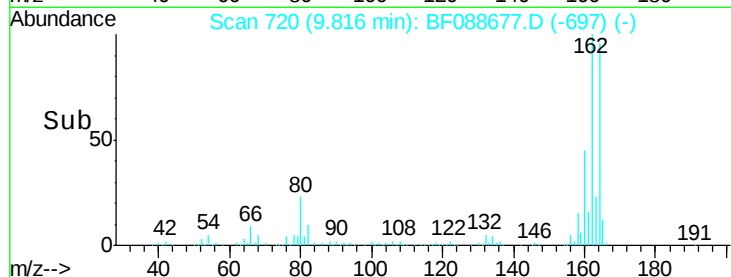
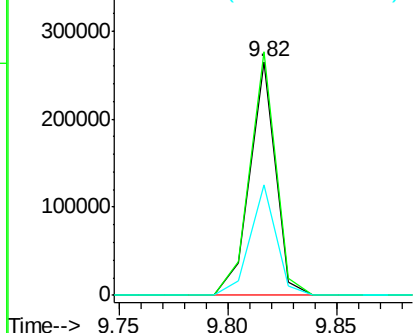
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 217246
Ion Ratio Lower Upper
164 100
162 104.1 85.4 128.2
160 47.2 39.5 59.3

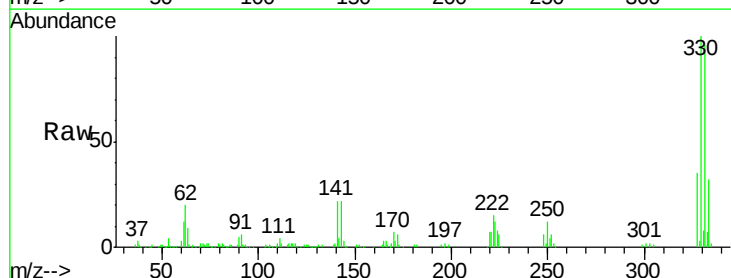


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

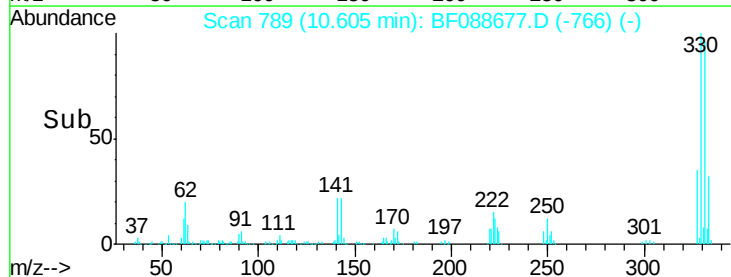
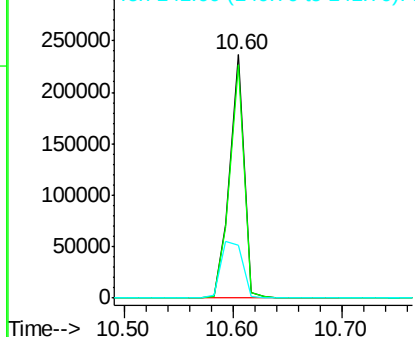


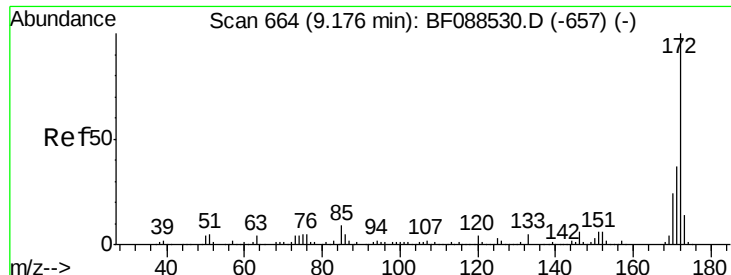
#41
2,4,6-Tribromophenol
Concen: 108.44 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:330 Resp: 218760
Ion Ratio Lower Upper
330 100
332 95.9 0.0 0.0#
141 35.2 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

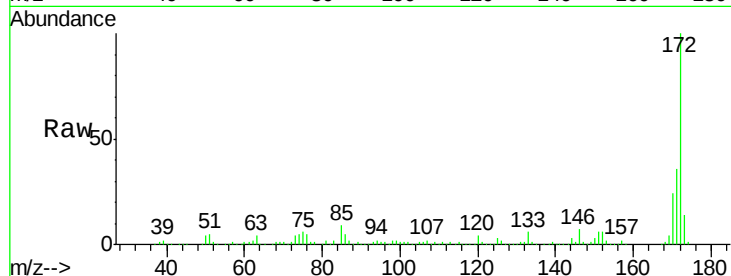




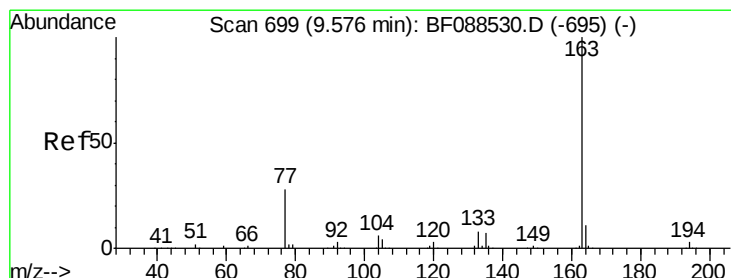
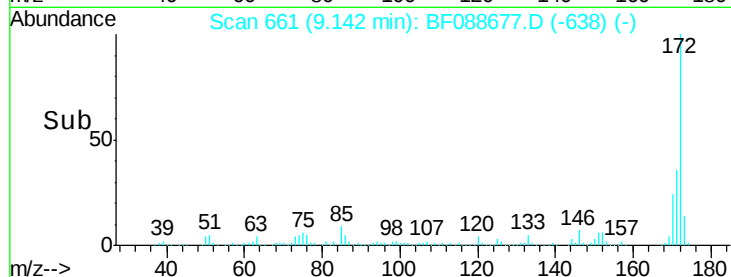
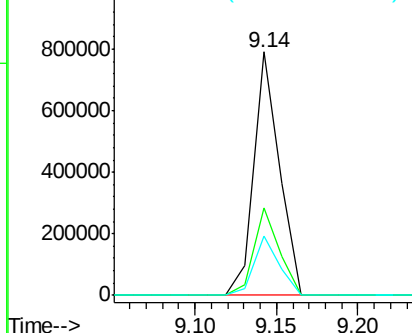
#44
2-Fluorobiphenyl
Concen: 62.51 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 859761
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.2 19.2 28.8

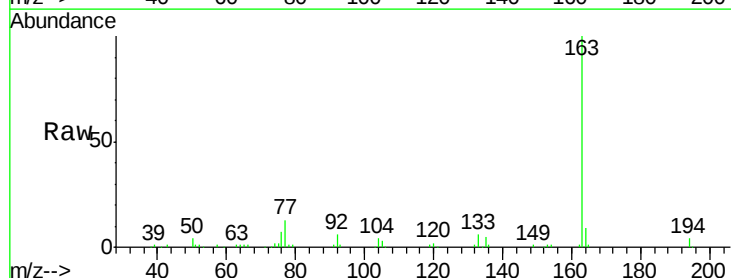


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

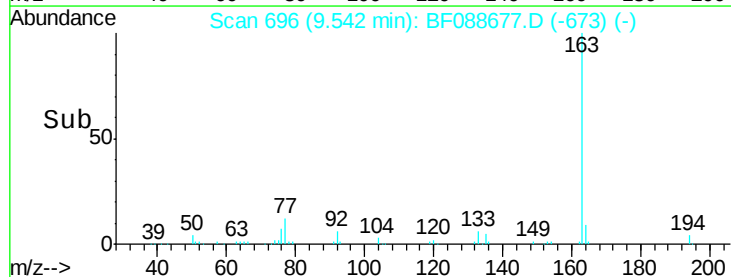
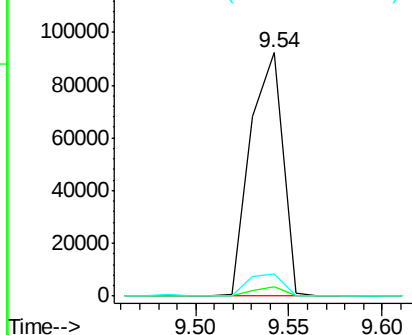


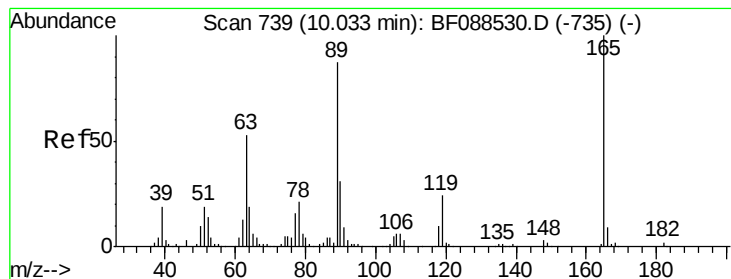
#49
Dimethylphthalate
Concen: 7.19 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:163 Resp: 111280
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.2 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: 6.35 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.22 min

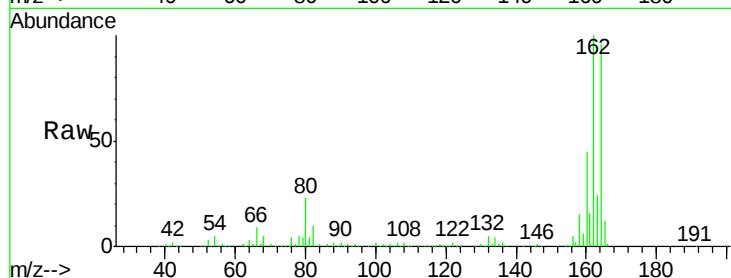
Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Instrument :

BNA_F

ClientSampled :



Tot Ion:165 Resp: 28485

Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.7 41.1 61.7#

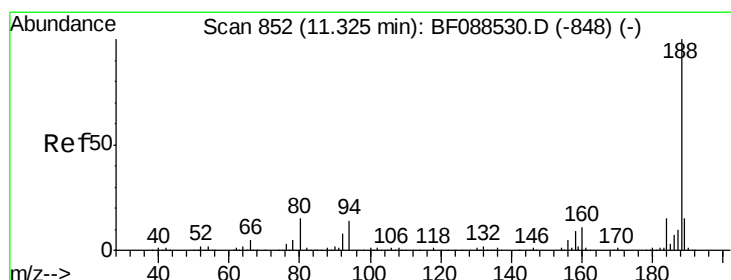
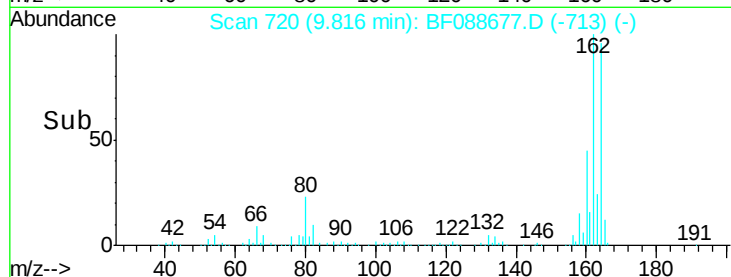
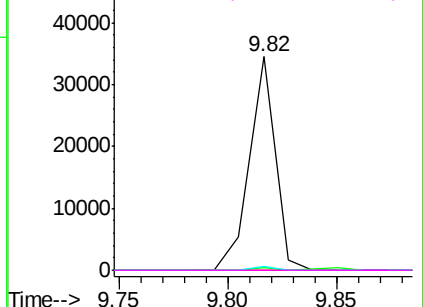
182 0.0 2.0 3.0#

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: 11.29 min Scan# 849

Delta R.T. -0.03 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Tgt Ion:188 Resp: 377311

Ion Ratio Lower Upper

188 100

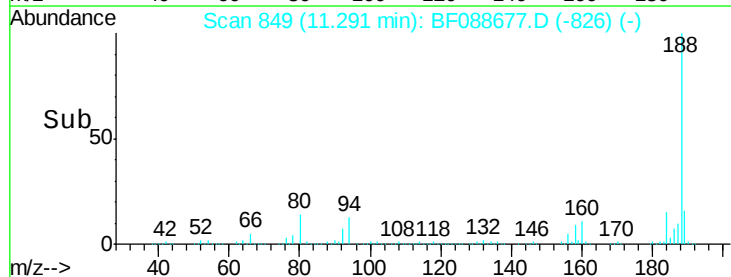
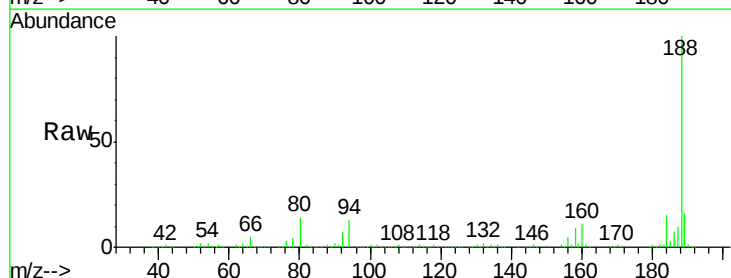
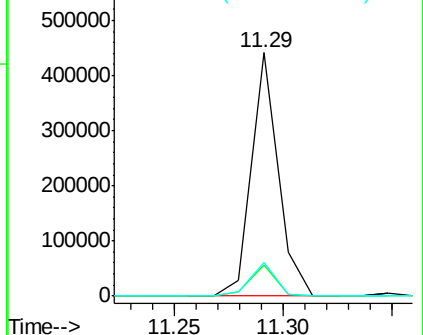
94 12.7 9.0 13.6

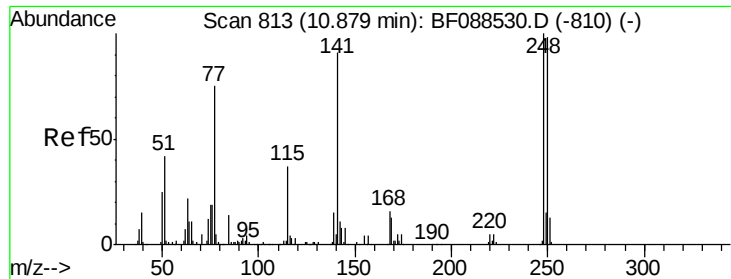
80 14.0 10.0 15.0

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

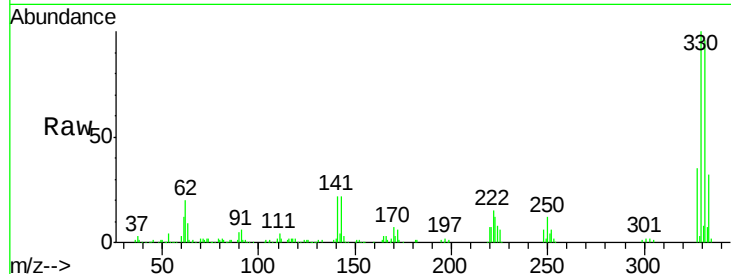




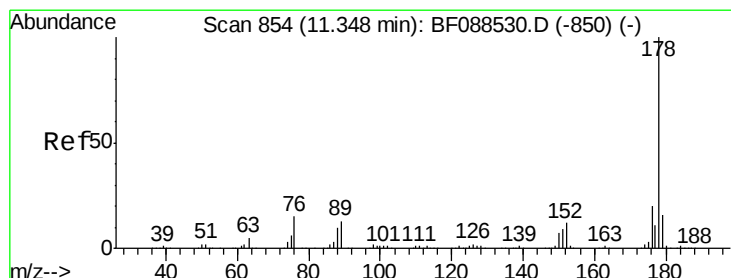
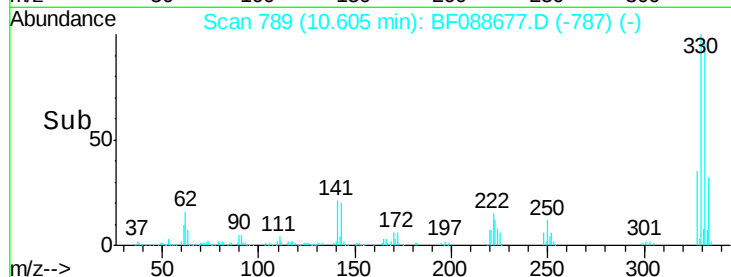
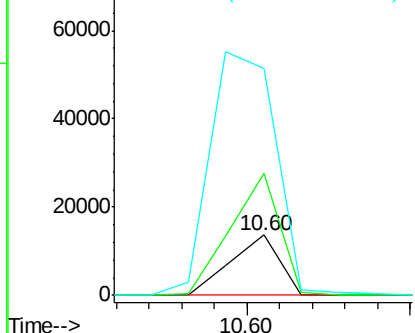
#66
 4-Bromophenyl-phenylether
 Concen: 3.70 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.27 min
 Lab File: BF088677.D
 Acq: 4 Jul 2016 6:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14083
 Ion Ratio Lower Upper
 248 100
 250 202.5 77.1 115.7#
 141 377.8 50.6 76.0#

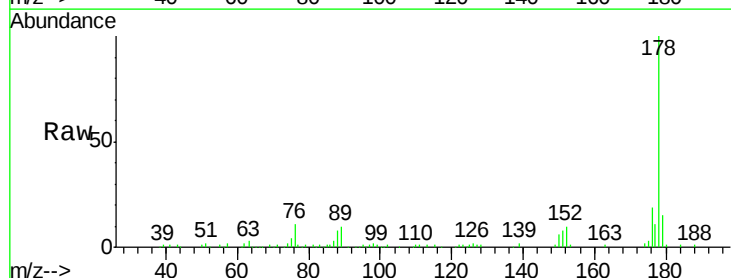


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

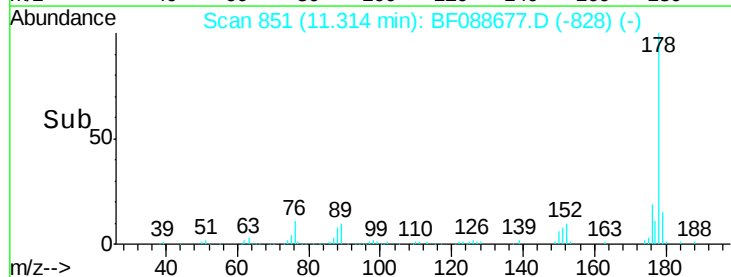
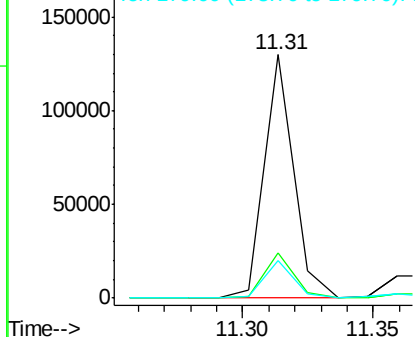


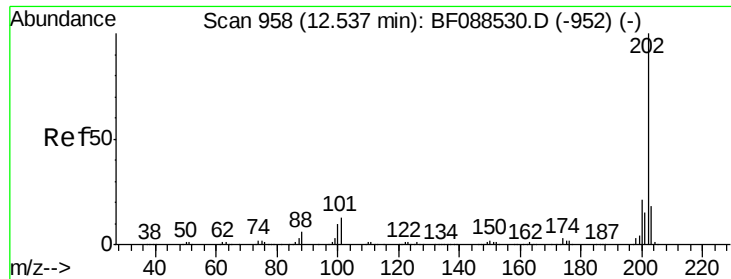
#70
 Phenanthrene
 Concen: 4.95 ng
 RT: 11.31 min Scan# 851
 Delta R.T. -0.03 min
 Lab File: BF088677.D
 Acq: 4 Jul 2016 6:19

Tgt Ion:178 Resp: 102159
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.6
 179 15.3 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: 7.65 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF088677.D

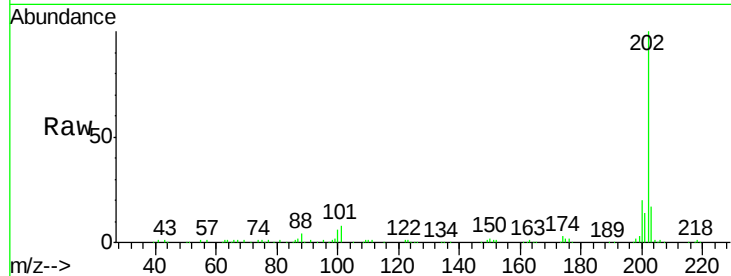
Acq: 4 Jul 2016 6:19

Instrument :

BNA_F

ClientSampleId :

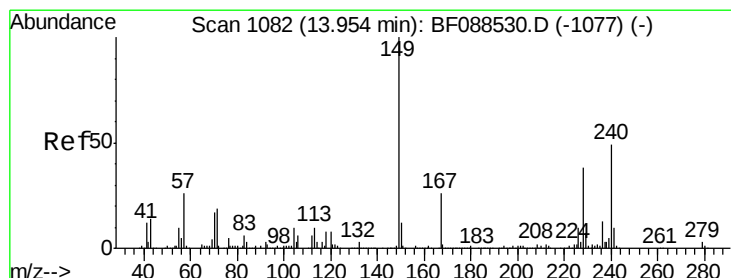
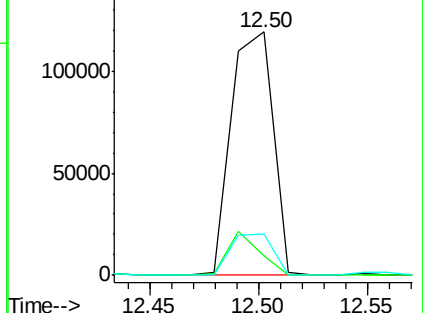
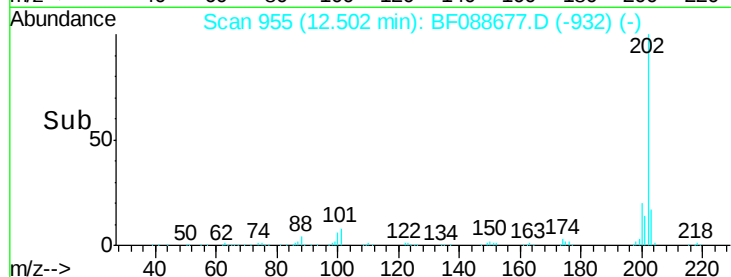
Tot Ion:	202	Resp:	159916
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	33.1
203	17.1	0.0	38.1



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

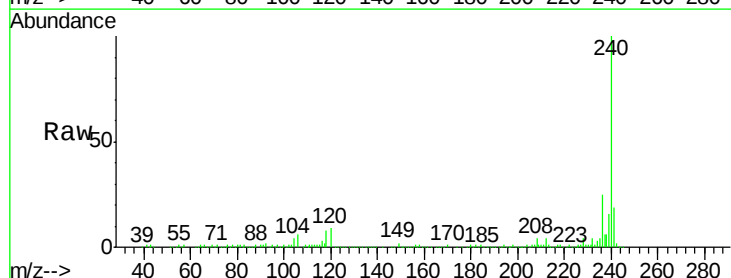
RT: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

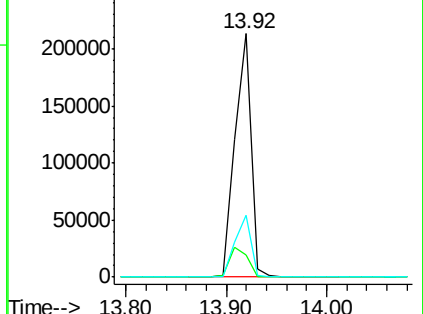
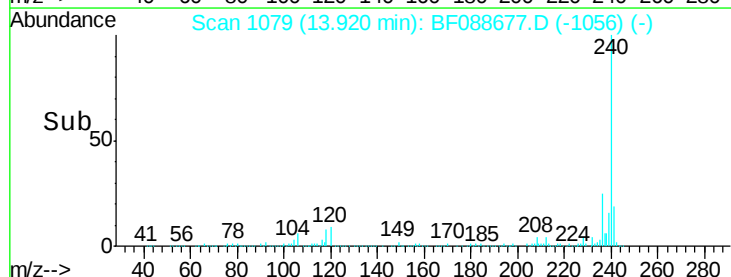
Tgt Ion:	240	Resp:	237463
Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.8	10.2
236	25.4	20.2	30.2

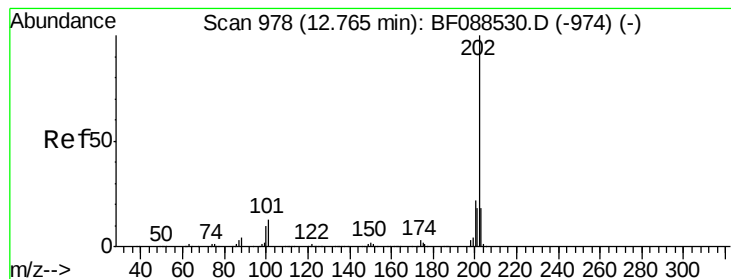


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.43 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.05 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Instrument :

BNA_F

ClientSampleId :

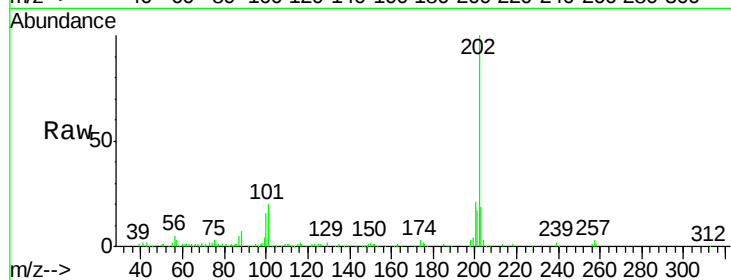
Tot Ion:202 Resp: 149665

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

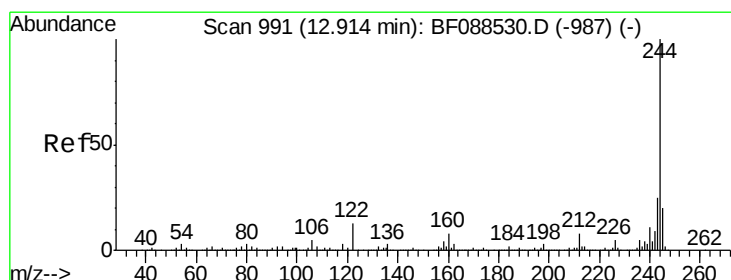
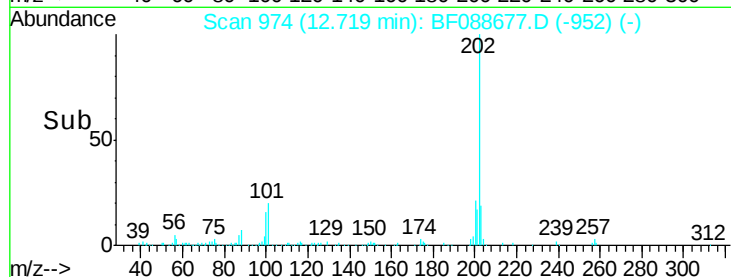
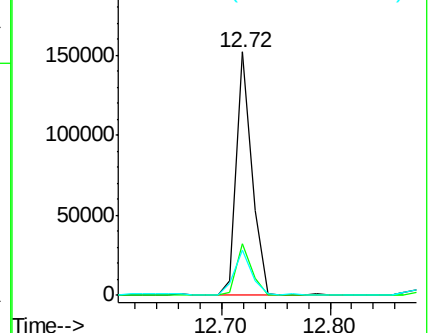
203 18.7 14.5 21.7



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: 72.72 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

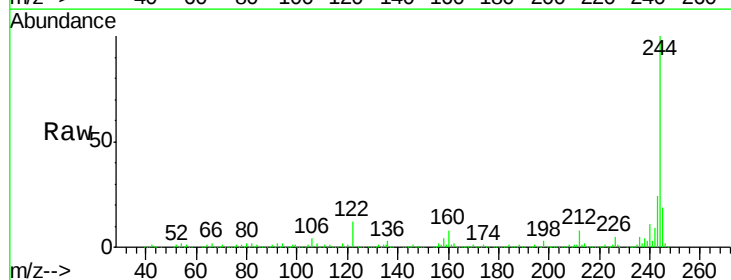
Tgt Ion:244 Resp: 775278

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

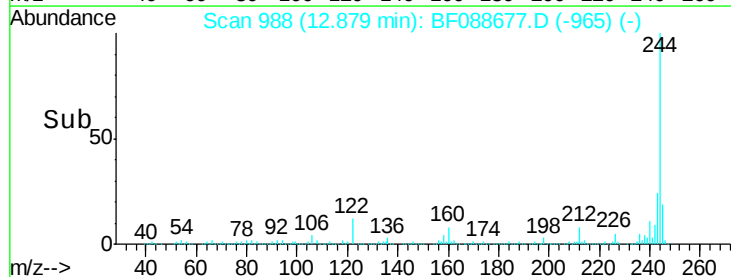
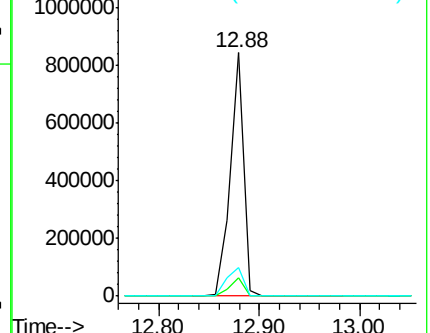
122 11.7 11.2 16.8

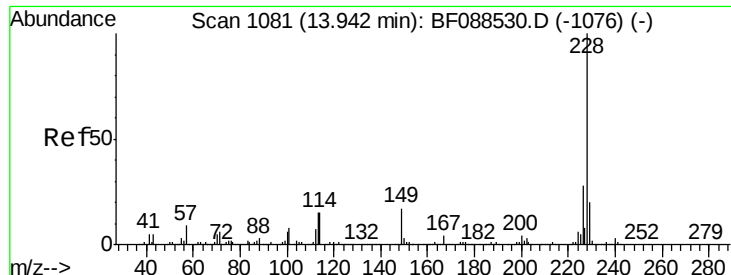


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.93 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.03 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Instrument :

BNA_F

ClientSampleId :

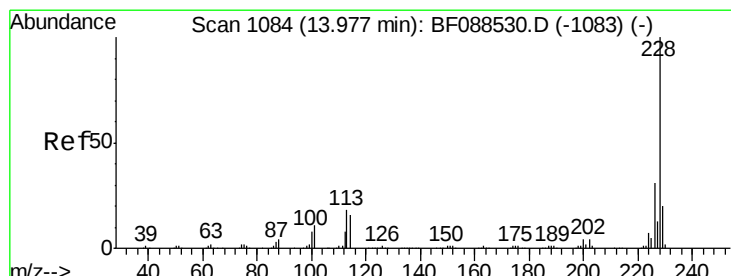
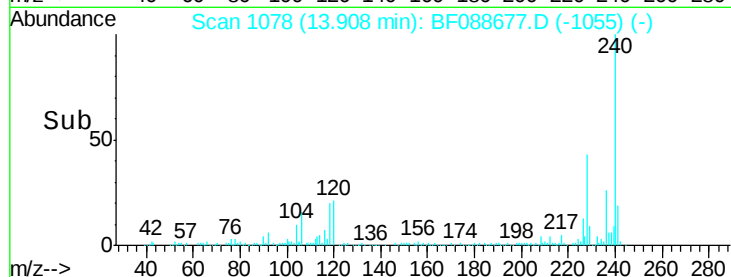
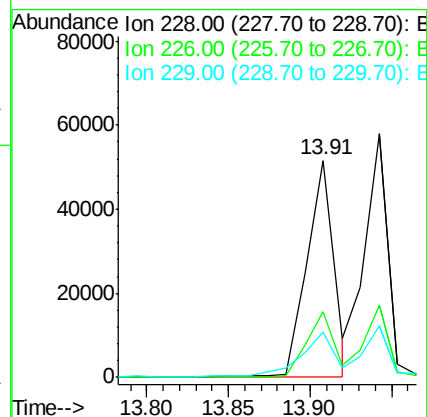
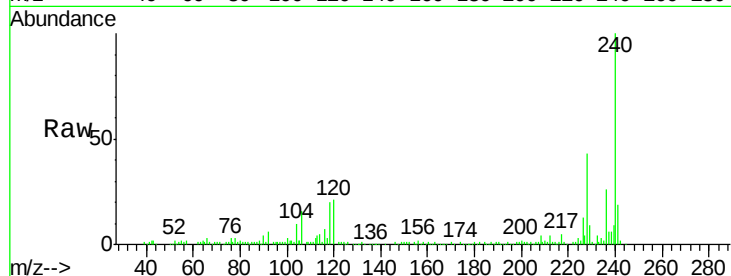
Tot Ion:228 Resp: 60042

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

229 20.6 16.0 24.0



#82

Chrysene

Concen: 3.97 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.07 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

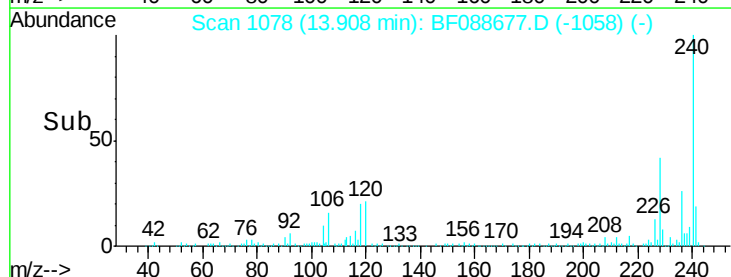
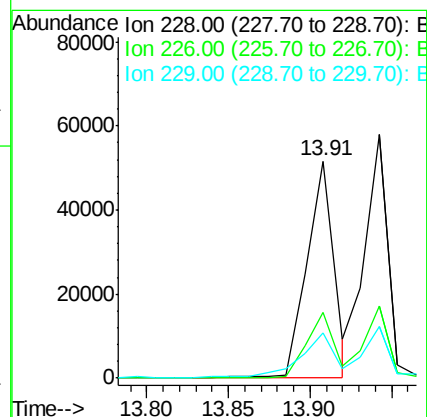
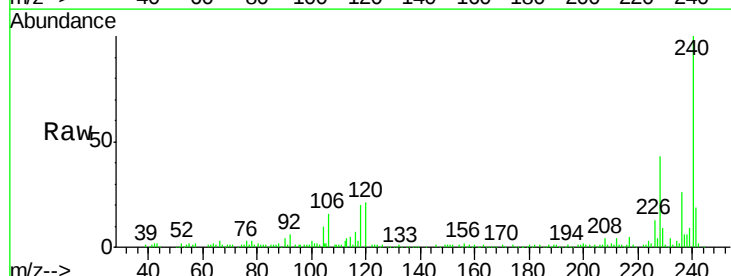
Tgt Ion:228 Resp: 60042

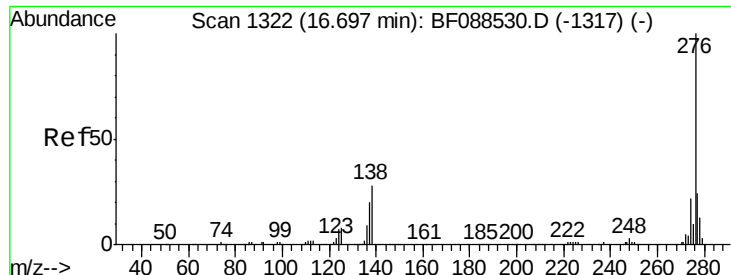
Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

229 20.6 16.3 24.5

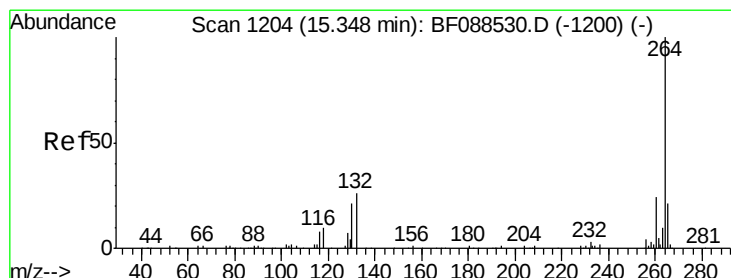
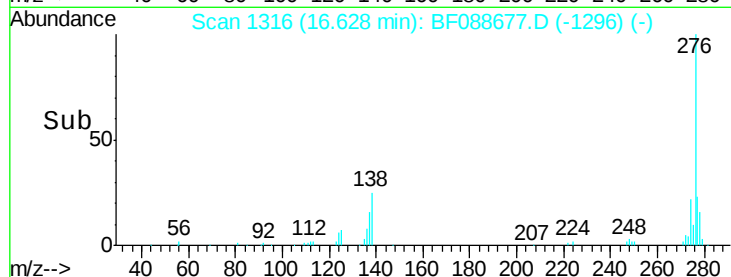
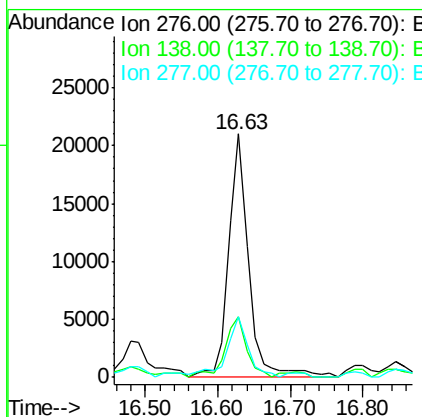
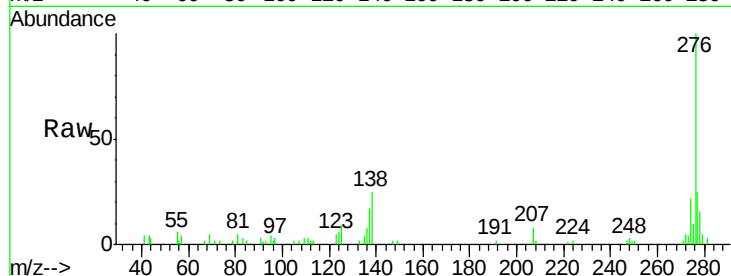




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.50 ng
 RT: 16.63 min Scan# 1316
 Delta R.T. -0.07 min
 Lab File: BF088677.D
 Acq: 4 Jul 2016 6:19

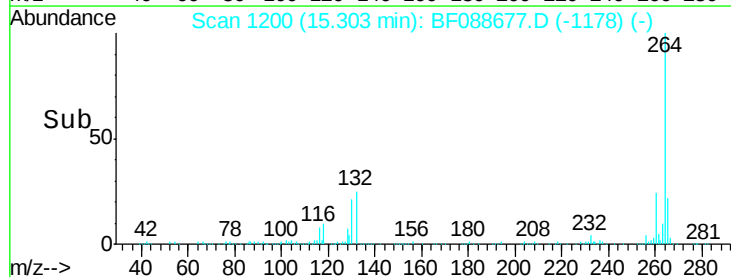
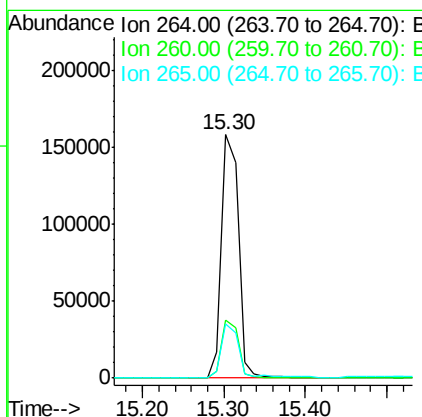
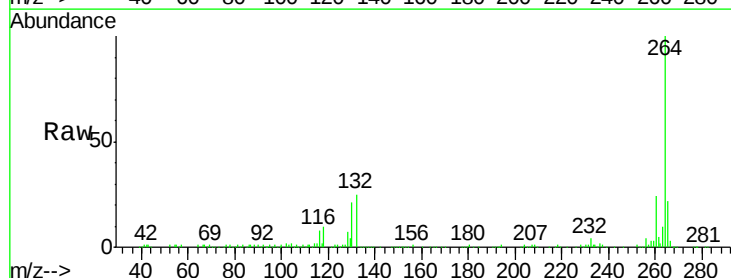
Instrument :
 BNA_F
 ClientSampled :

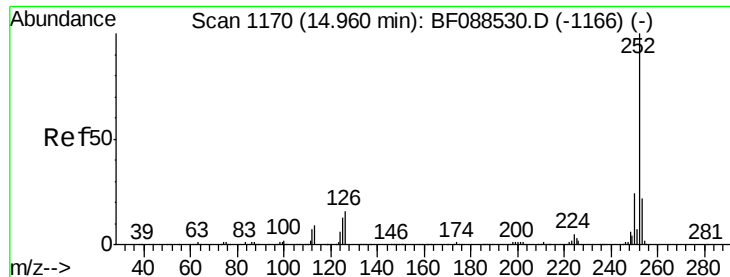
Tot Ion:276 Resp: 40700
 Ion Ratio Lower Upper
 276 100
 138 26.6 0.0 0.0#
 277 29.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1200
 Delta R.T. -0.05 min
 Lab File: BF088677.D
 Acq: 4 Jul 2016 6:19

Tgt Ion:264 Resp: 229306
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.2 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 6.56 ng

RT: 14.91 min Scan# 1166

Delta R.T. -0.05 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

Instrument :

BNA_F

ClientSampleId :

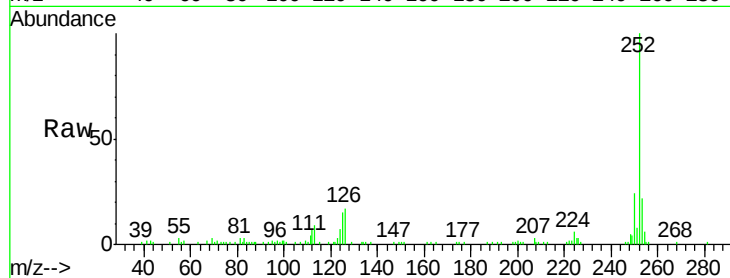
Tot Ion:252 Resp: 94371

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

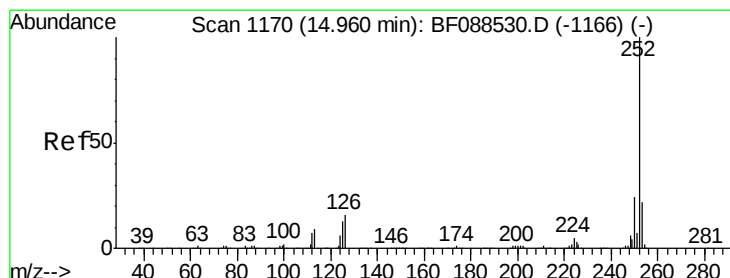
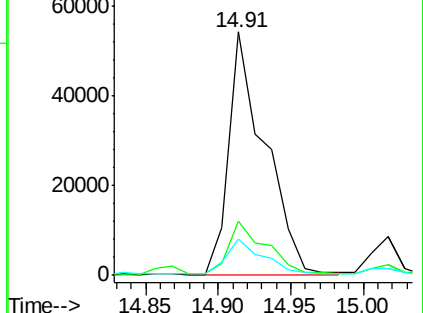
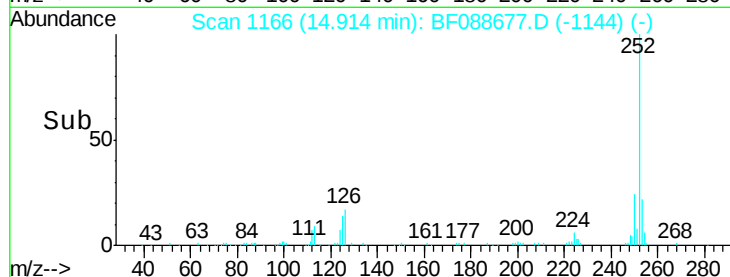
125 14.9 7.1 10.7#



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: 7.54 ng

RT: 14.91 min Scan# 1166

Delta R.T. -0.07 min

Lab File: BF088677.D

Acq: 4 Jul 2016 6:19

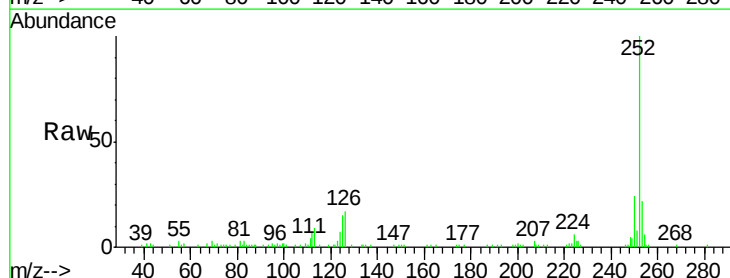
Tgt Ion:252 Resp: 94371

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

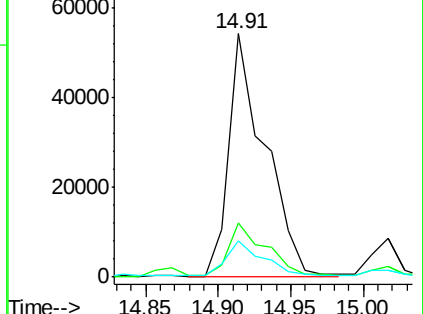
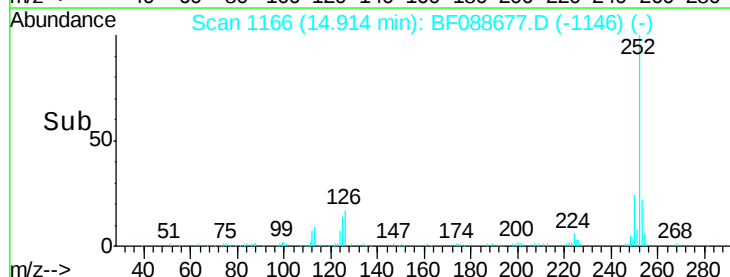
125 14.9 11.2 16.8

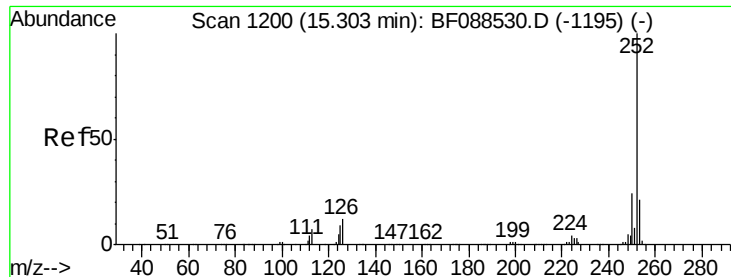


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

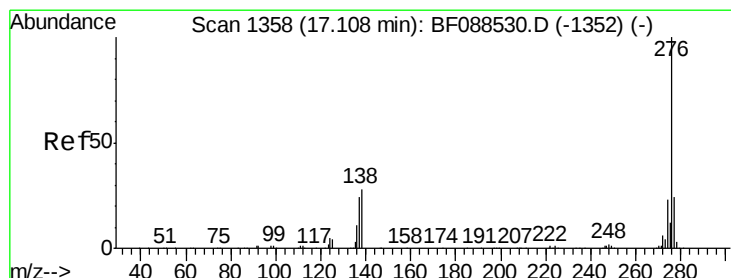
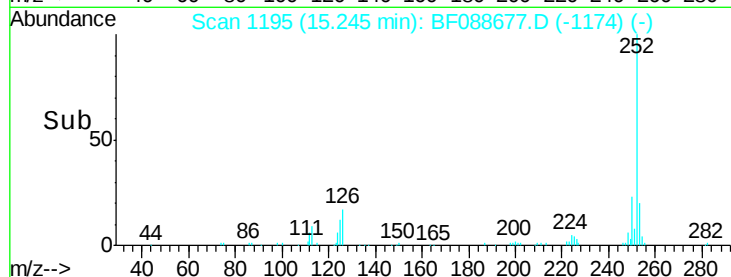
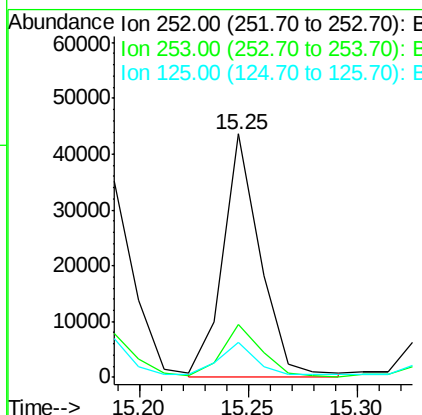
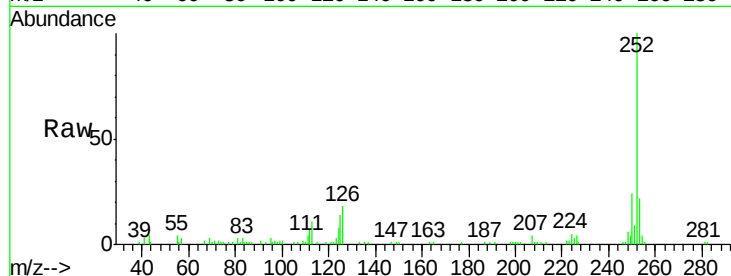




#89
Benzo(a)pyrene
Concen: 4.27 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.06 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	14.4	12.5	18.7



#91
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.08 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.9	28.3
138	23.8	21.4	32.2

