

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF070116\
 Data File : BF088569.D
 Acq On : 1 Jul 2016 12:25
 Operator : UM/SJ
 Sample : H3808-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Jul 01 13:35:15 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

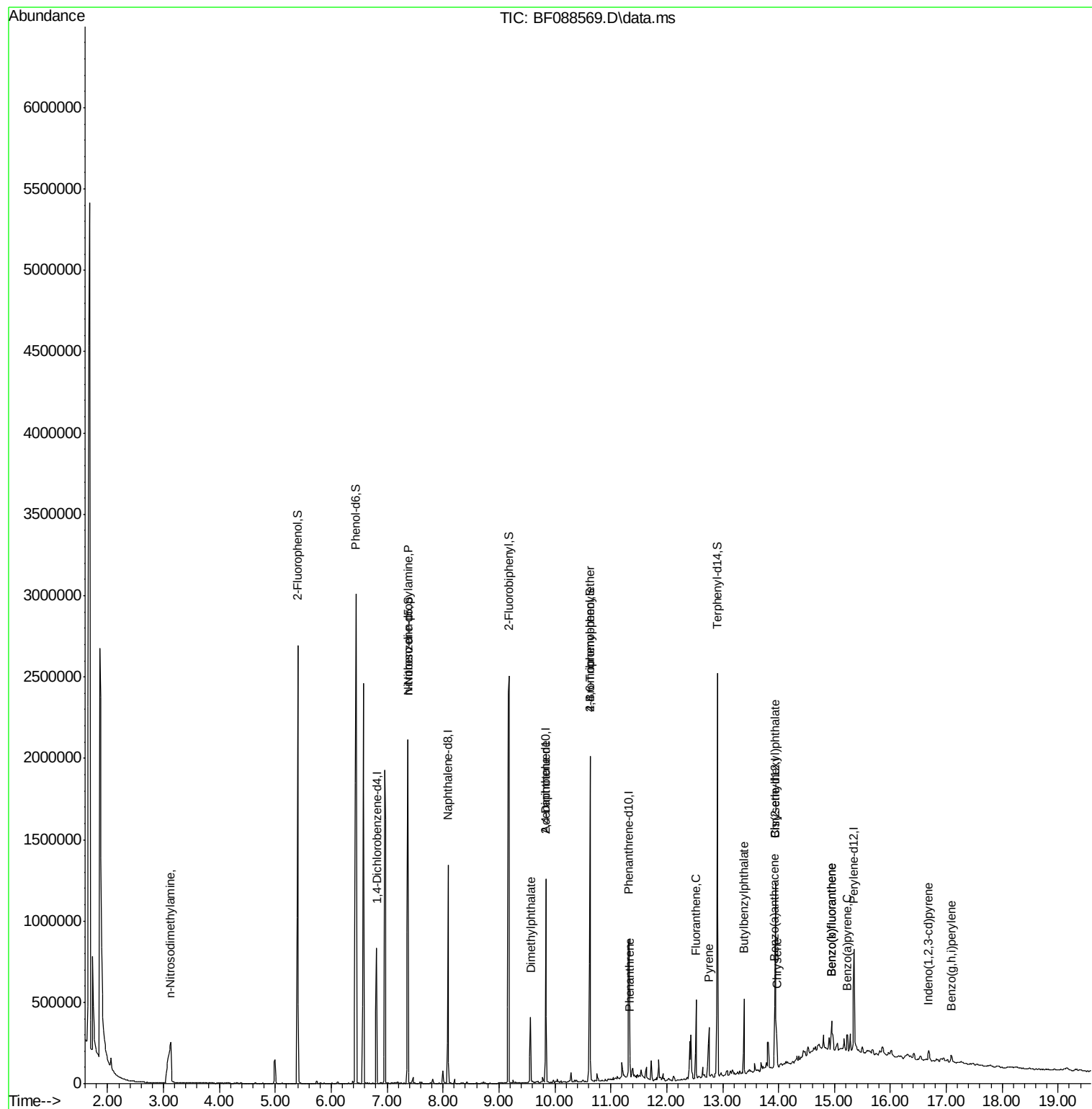
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	144613	20.00	ng	0.00
21) Naphthalene-d8	8.090	136	568428	20.00	ng	-0.01
38) Acenaphthene-d10	9.839	164	248884	20.00	ng	-0.01
63) Phenanthrene-d10	11.325	188	454167	20.00	ng	0.00
75) Chrysene-d12	13.942	240	292876	20.00	ng	-0.01
86) Perylene-d12	15.348	264	289933	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	836194	86.66	ng	0.00
7) Phenol-d6	6.445	99	1311575	105.20	ng	0.00
23) Nitrobenzene-d5	7.370	82	771881	71.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.628	330	216008	93.46	ng	-0.01
44) 2-Fluorobiphenyl	9.176	172	1259258	79.92	ng	0.00
78) Terphenyl-d14	12.902	244	868125	66.02	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.130	42	20311	3.83	ng	# 1
19) n-Nitroso-di-n-propyla...	7.370	70	106111	12.67	ng	# 74
49) Dimethylphthalate	9.565	163	182248	10.28	ng	98
56) 2,4-Dinitrotoluene	9.839	165	31690	6.17	ng	# 38
66) 4-Bromophenyl-phenylether	10.628	248	15070	3.29	ng	# 1
70) Phenanthrene	11.336	178	63011	2.54	ng	98
74) Fluoranthene	12.525	202	179697	7.14	ng	97
77) Pyrene	12.754	202	146681	5.91	ng	98
79) Butylbenzylphthalate	13.382	149	102314	9.24	ng	88
80) Benzo(a)anthracene	13.931	228	60677	3.22	ng	98
82) Chrysene	13.965	228	66245	3.55	ng	96
83) Bis(2-ethylhexyl)phtha...	13.942	149	79644	6.30	ng	97
85) Indeno(1,2,3-cd)pyrene	16.686	276	38250	2.66	ng	# 100
87) Benzo(b)fluoranthene	14.948	252	119329	6.56	ng	# 93
88) Benzo(k)fluoranthene	14.948	252	119329	7.54	ng	98
89) Benzo(a)pyrene	15.234	252	49255	3.20	ng	93
91) Benzo(g,h,i)perylene	17.086	276	39887	3.00	ng	94

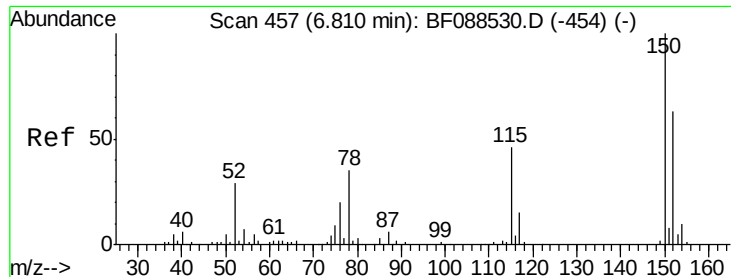
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.810 min Scan# 45

Delta R.T. -0.000 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

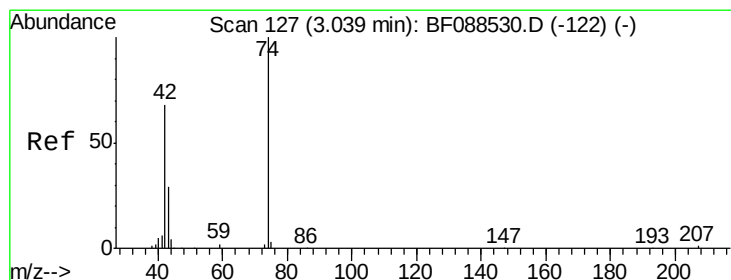
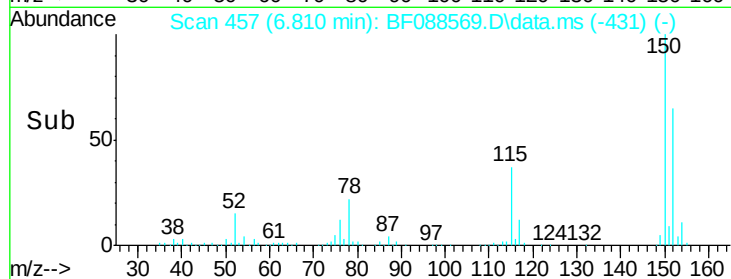
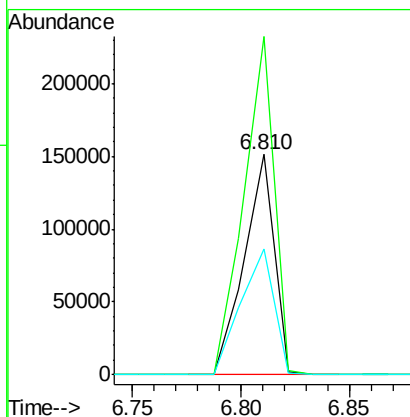
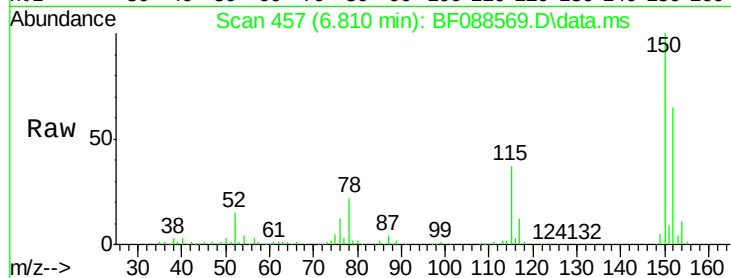
Tot Ion:152 Resp: 144613

Ion Ratio Lower Upper

152 100

150 153.7 123.8 185.6

115 57.0 39.6 59.4



#4

n-Nitrosodimethylamine

Concen: 3.83 ng

RT: 3.130 min Scan# 135

Delta R.T. 0.091 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

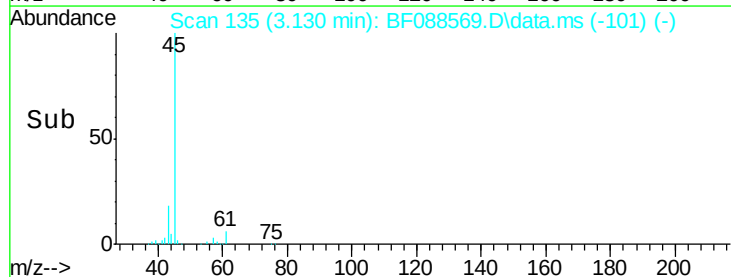
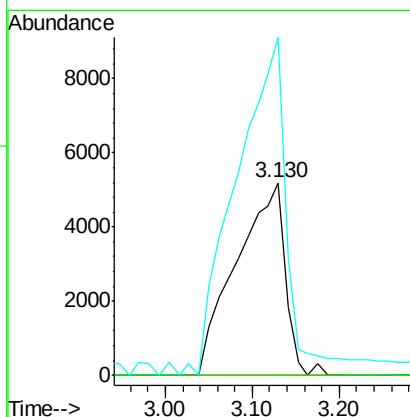
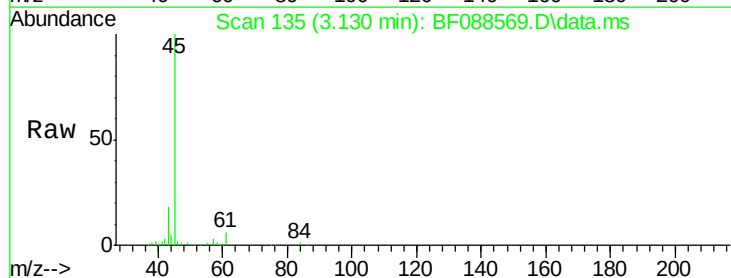
Tgt Ion: 42 Resp: 20311

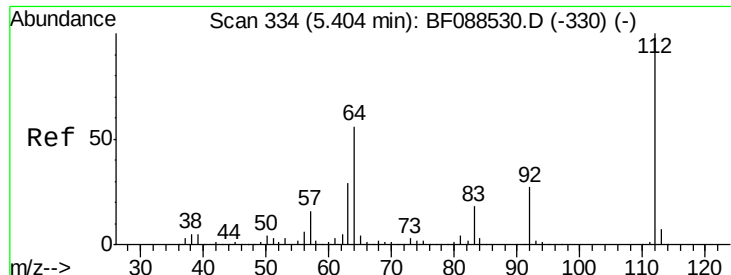
Ion Ratio Lower Upper

42 100

74 0.0 108.6 163.0#

44 175.8 5.5 8.3#





#5

2-Fluorophenol

Concen: 86.66 ng

RT: 5.404 min Scan# 334

Delta R.T. 0.000 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

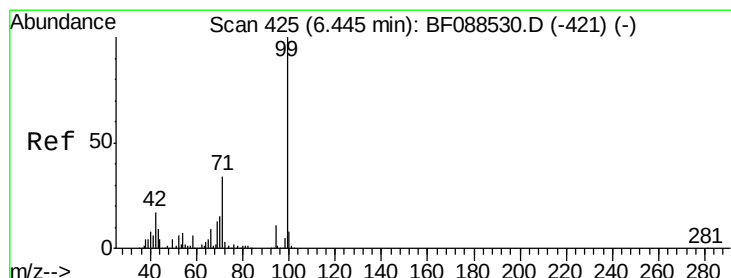
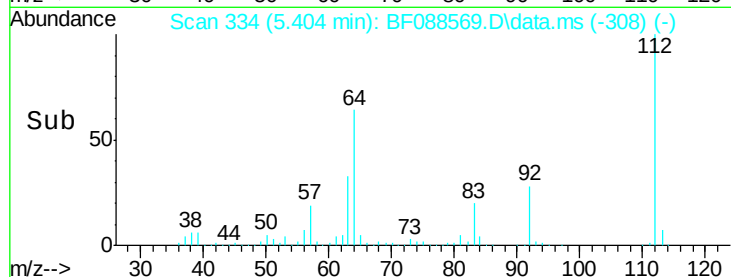
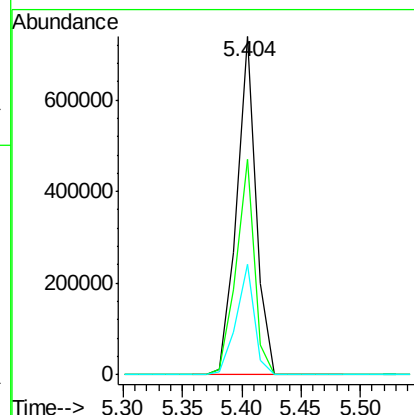
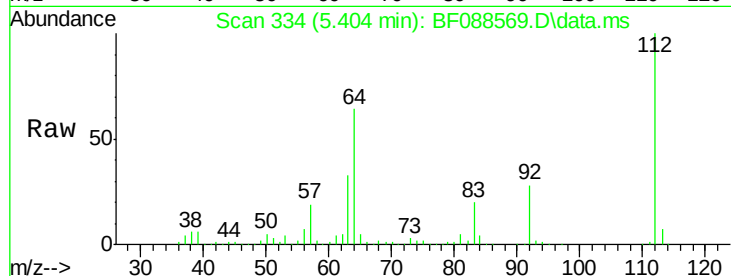
Tot Ion:112 Resp: 836194

Ion Ratio Lower Upper

112 100

64 63.5 42.2 63.2#

63 32.8 21.8 32.8#



#7

Phenol-d6

Concen: 105.20 ng

RT: 6.445 min Scan# 425

Delta R.T. -0.000 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

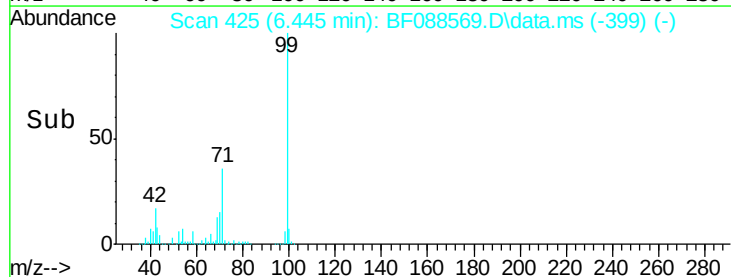
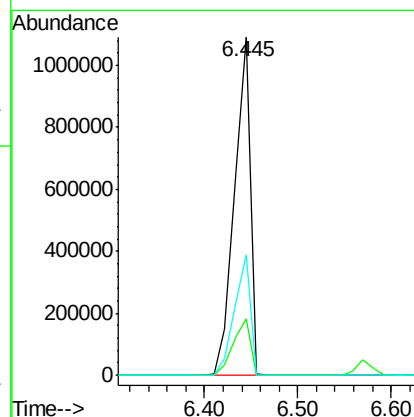
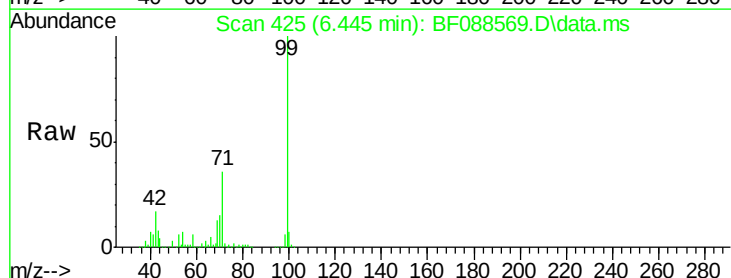
Tgt Ion: 99 Resp: 1311575

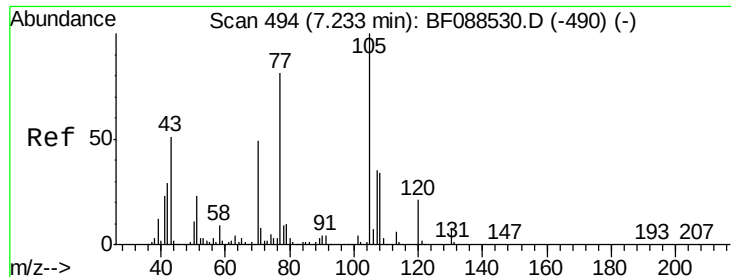
Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

71 35.6 23.4 35.0#

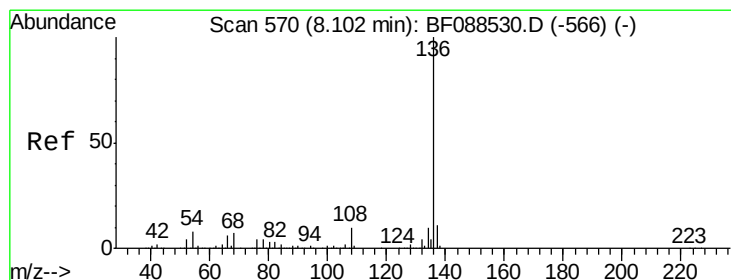
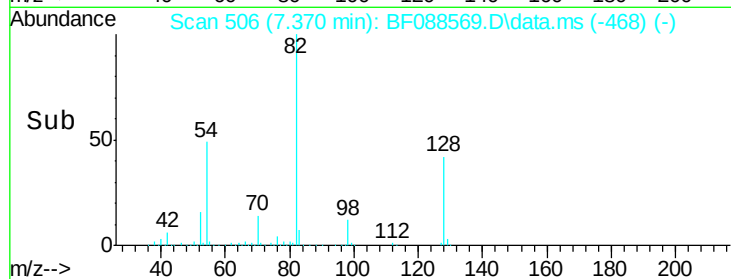
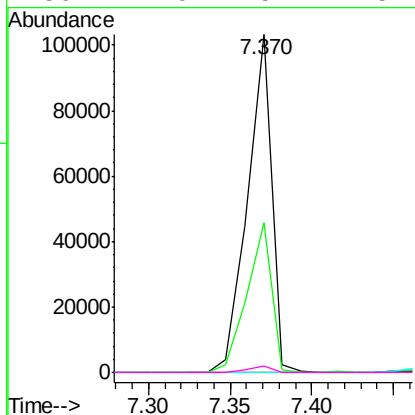
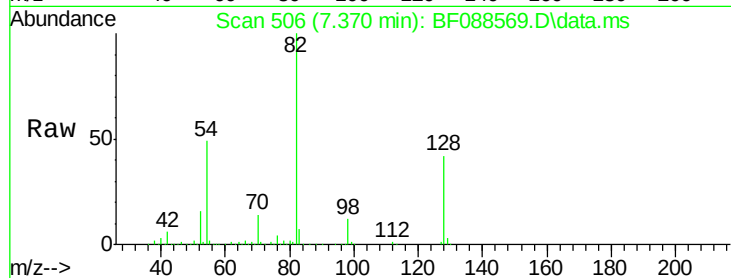




#19
n-Nitroso-di-n-propylamine
Concen: 12.67 ng
RT: 7.370 min Scan# 50
Delta R.T. 0.137 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

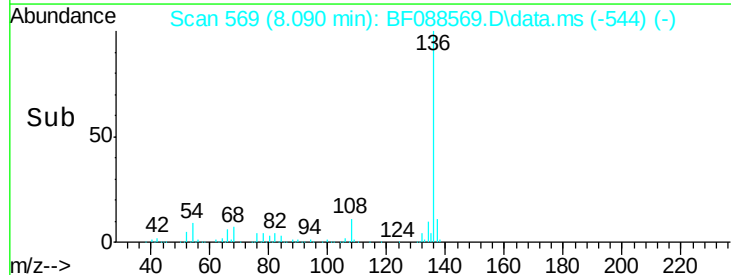
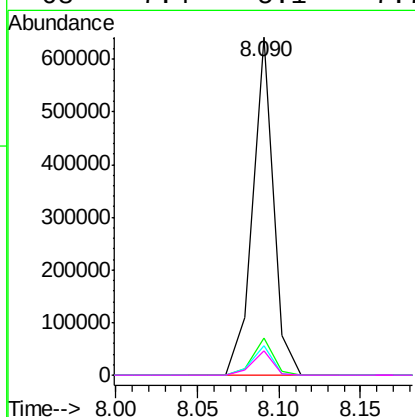
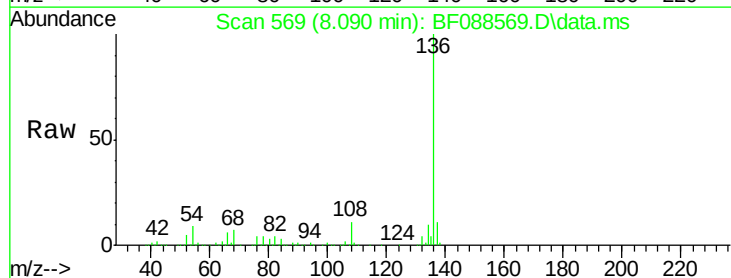
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

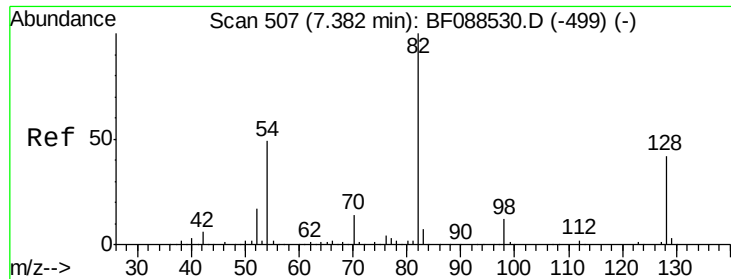
Tot Ion: 70 Resp: 106111
Ion Ratio Lower Upper
70 100
42 44.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.090 min Scan# 569
Delta R.T. -0.011 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

Tgt Ion: 136 Resp: 568428
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.8 6.6 10.0
68 7.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 71.16 ng

RT: 7.370 min Scan# 50

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

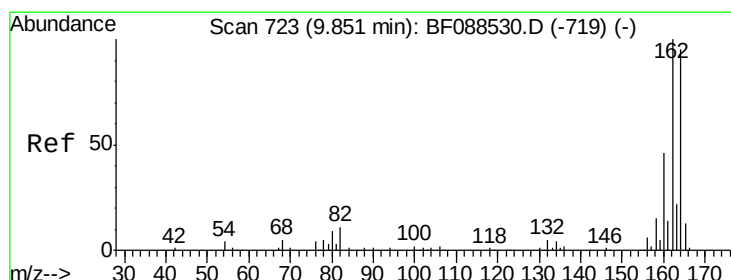
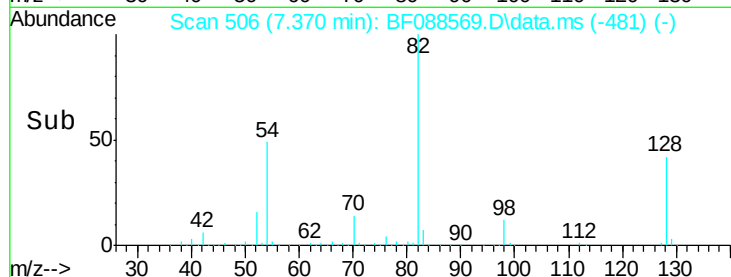
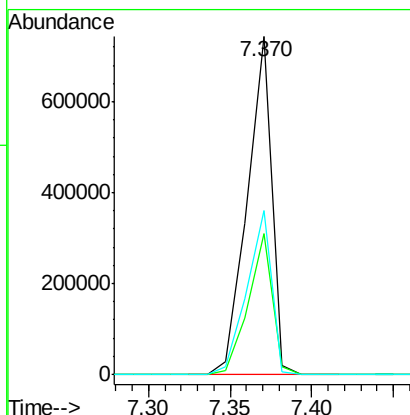
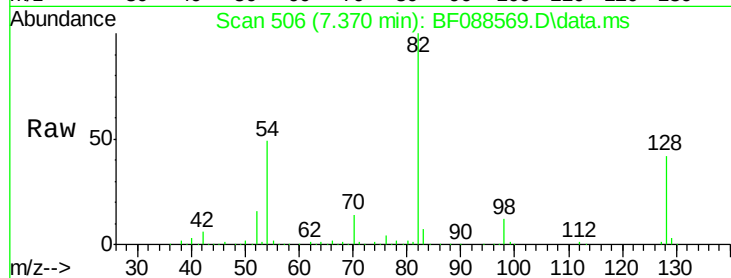
Tot Ion: 82 Resp: 771881

Ion Ratio Lower Upper

82 100

128 41.8 35.9 53.9

54 48.6 40.9 61.3



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.839 min Scan# 722

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

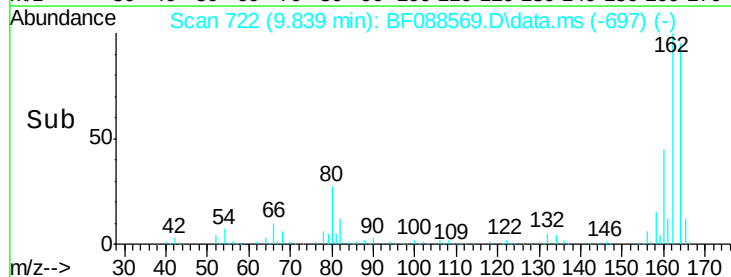
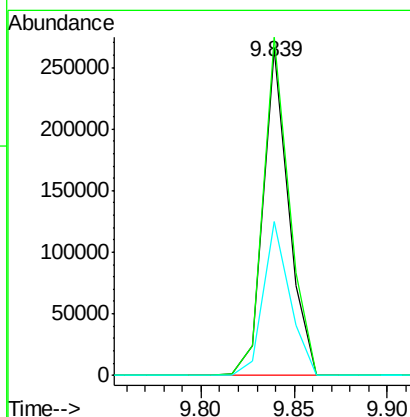
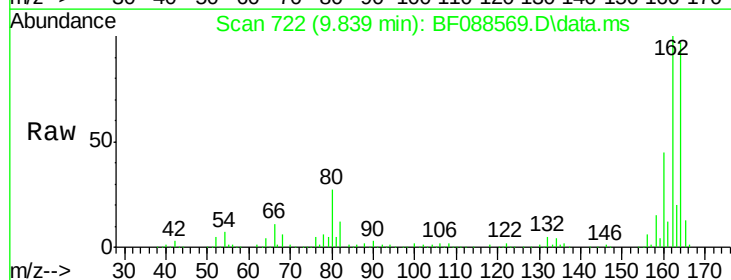
Tgt Ion: 164 Resp: 248884

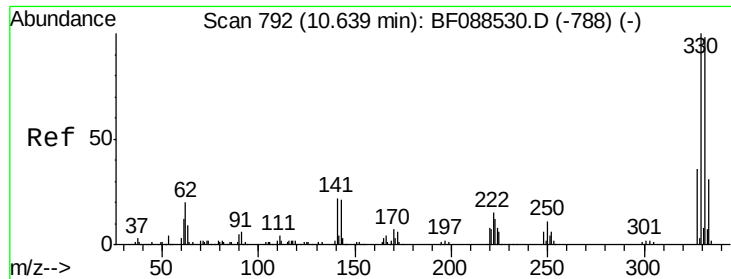
Ion Ratio Lower Upper

164 100

162 103.4 85.4 128.2

160 46.9 39.5 59.3

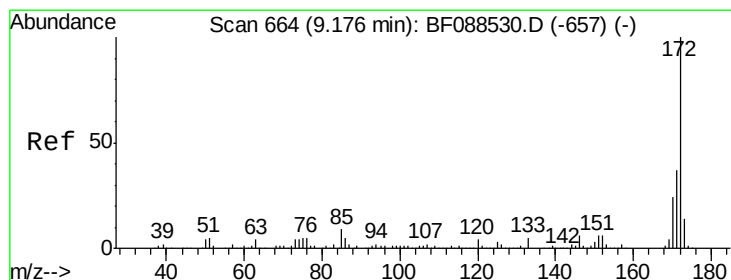
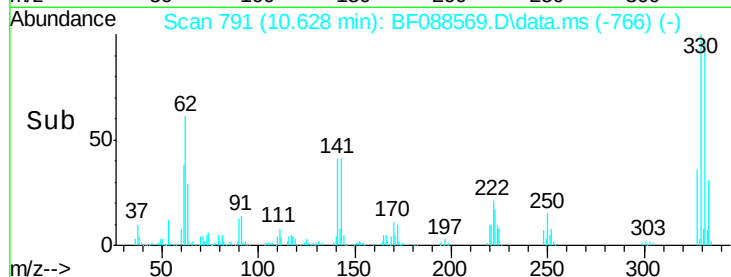
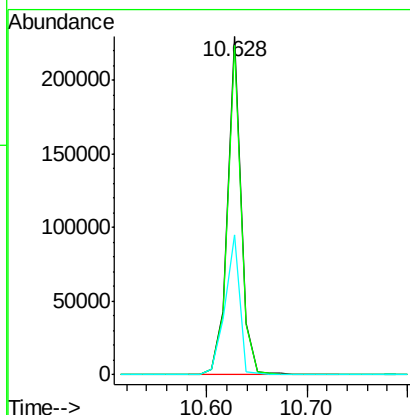
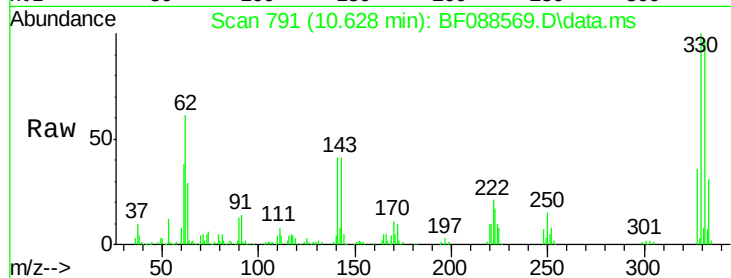




#41
 2,4,6-Tribromophenol
 Concen: 93.46 ng
 RT: 10.628 min Scan# 791
 Delta R.T. -0.011 min
 Lab File: BF088569.D
 Acq: 1 Jul 2016 12:25

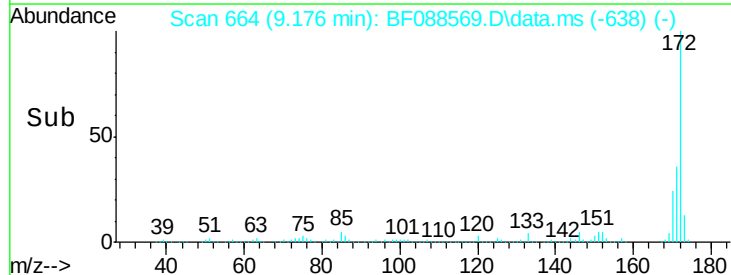
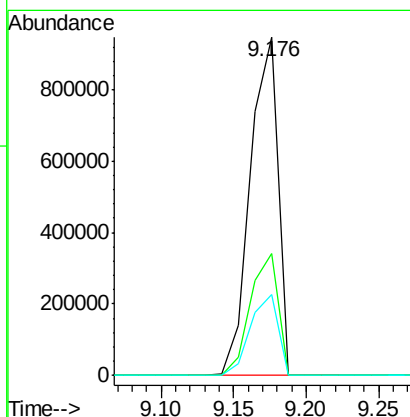
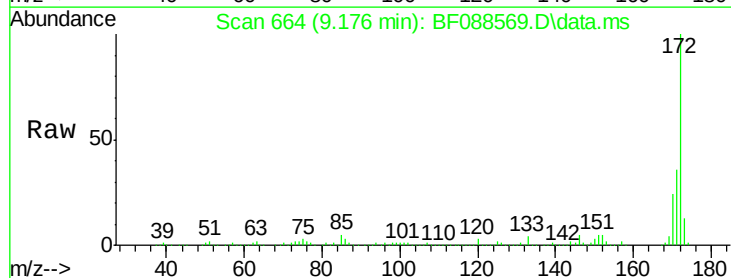
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

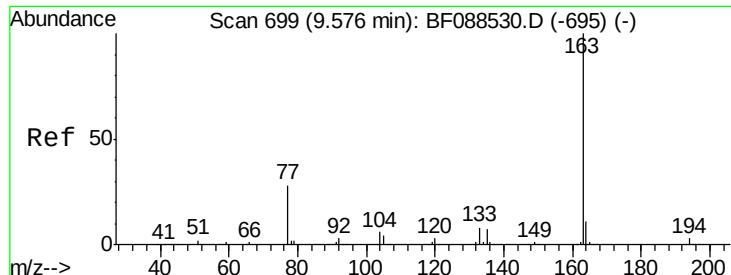
Tot Ion:330 Resp: 216008
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 44.3 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 79.92 ng
 RT: 9.176 min Scan# 664
 Delta R.T. -0.000 min
 Lab File: BF088569.D
 Acq: 1 Jul 2016 12:25

Tgt Ion:172 Resp: 1259258
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.8 19.2 28.8





#49

Dimethylphthalate

Concen: 10.28 ng

RT: 9.565 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

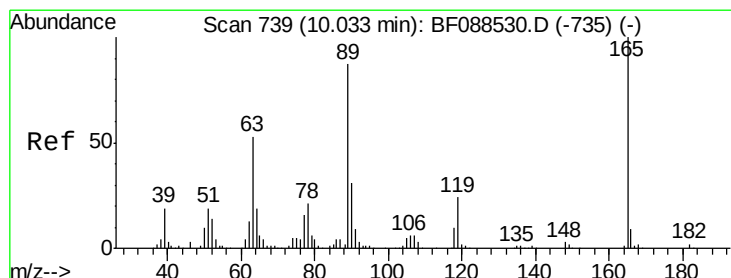
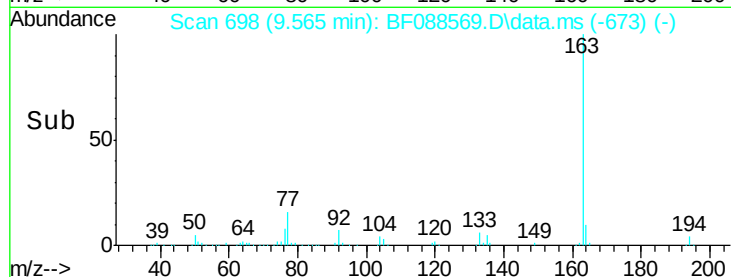
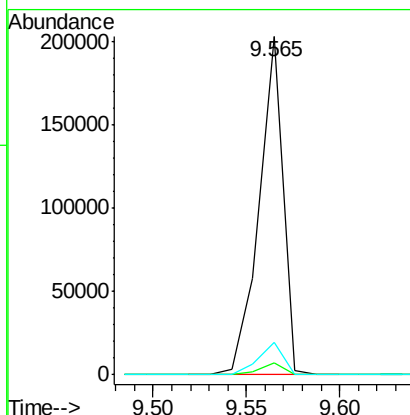
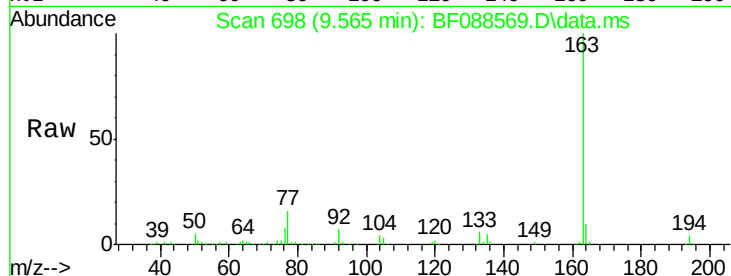
Tot Ion:163 Resp: 182248

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

164 9.6 8.3 12.5



#56

2,4-Dinitrotoluene

Concen: 6.17 ng

RT: 9.839 min Scan# 722

Delta R.T. -0.194 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Tgt Ion:165 Resp: 31690

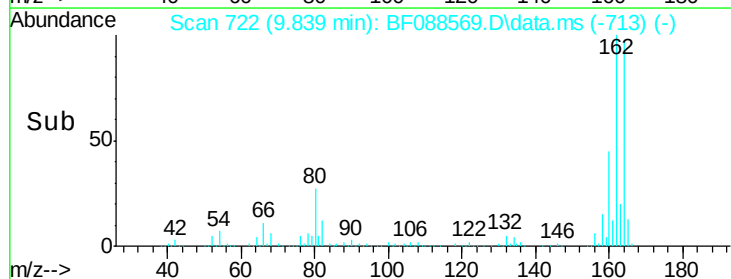
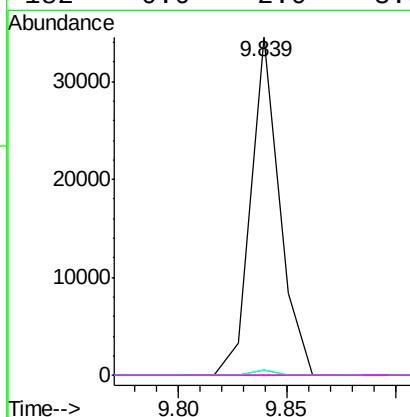
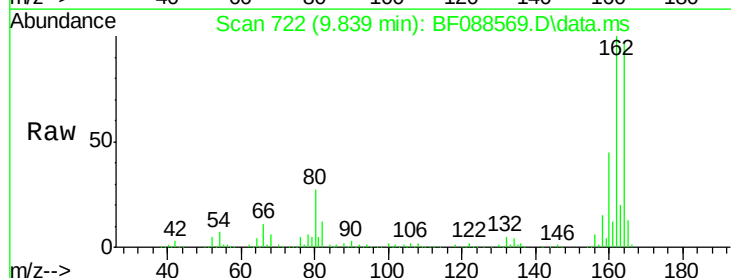
Ion Ratio Lower Upper

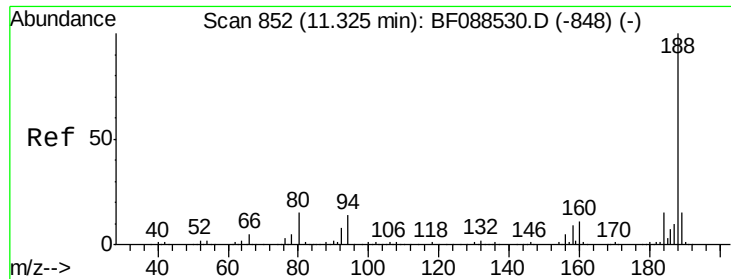
165 100

63 1.5 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

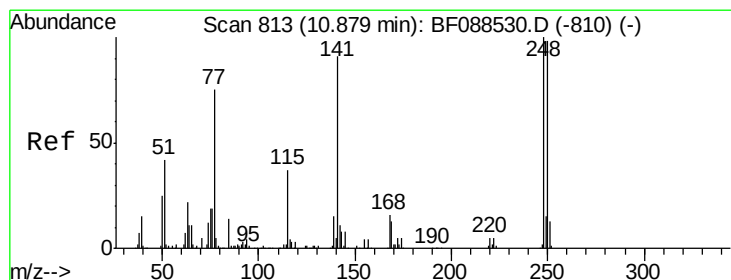
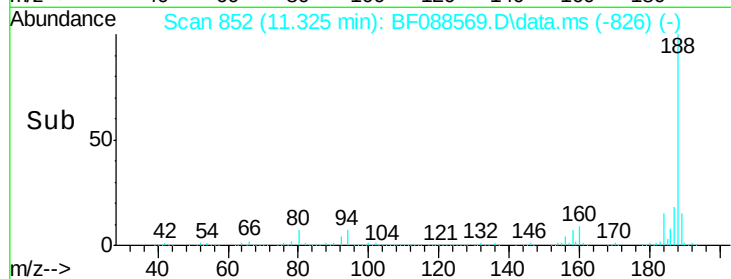
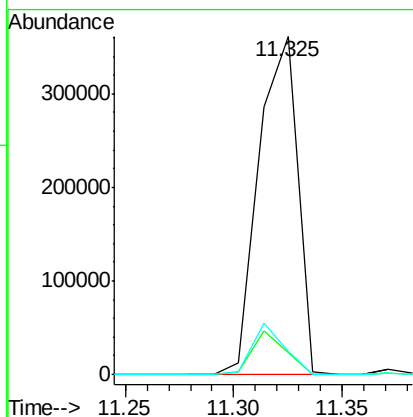
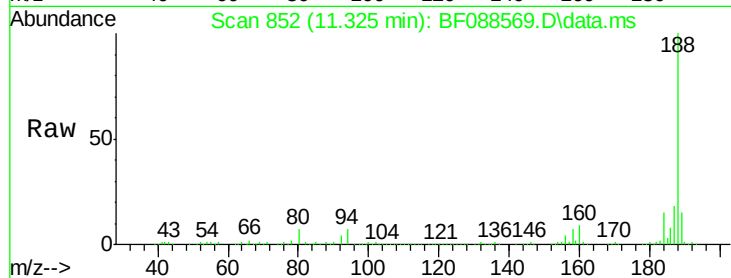




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.325 min Scan# 85
Delta R.T. -0.000 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

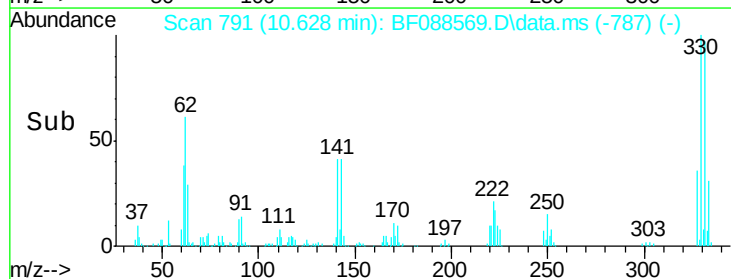
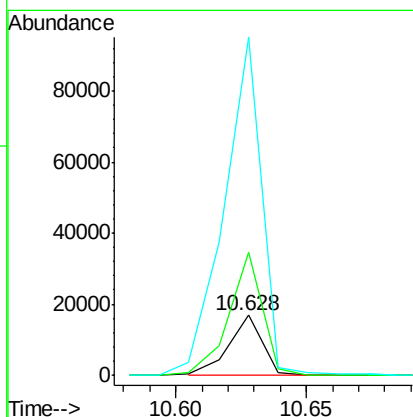
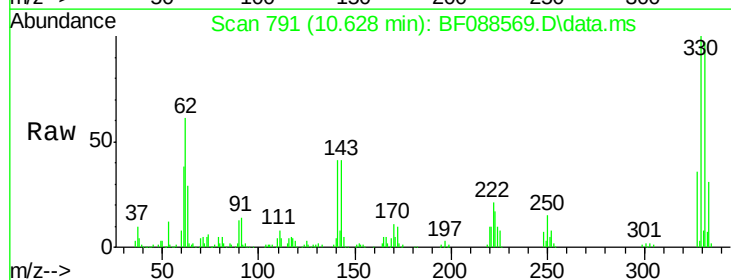
Instrument :
BNA_F
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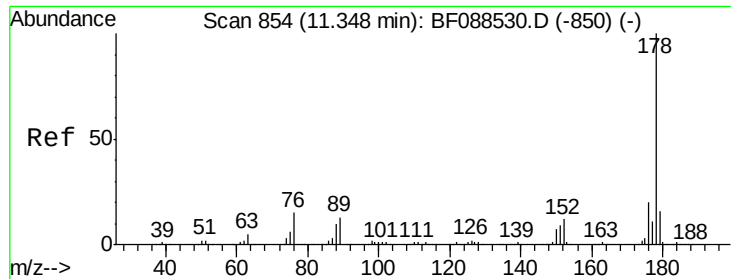
Tot Ion:188 Resp: 454167
Ion Ratio Lower Upper
188 100
94 6.6 9.0 13.6#
80 7.0 10.0 15.0#



#66
4-Bromophenyl-phenylether
Concen: 3.29 ng
RT: 10.628 min Scan# 791
Delta R.T. -0.251 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

Tgt Ion:248 Resp: 15070
Ion Ratio Lower Upper
248 100
250 205.0 77.1 115.7#
141 563.8 50.6 76.0#





#70

Phenanthrene

Concen: 2.54 ng

RT: 11.336 min Scan# 85

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

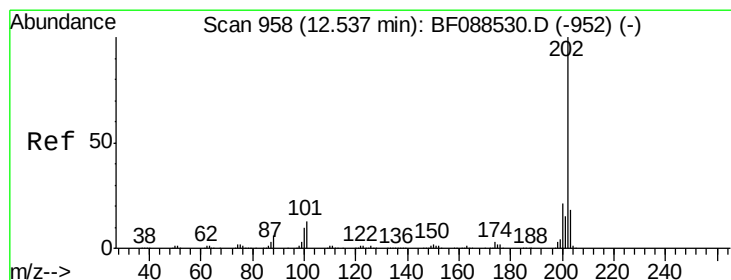
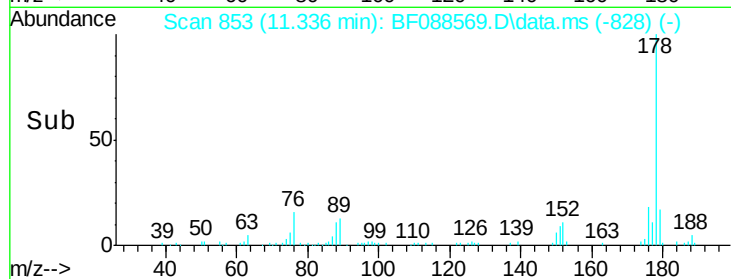
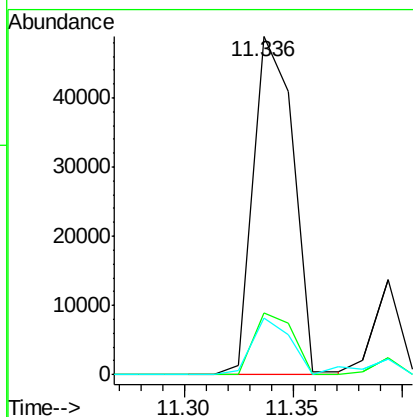
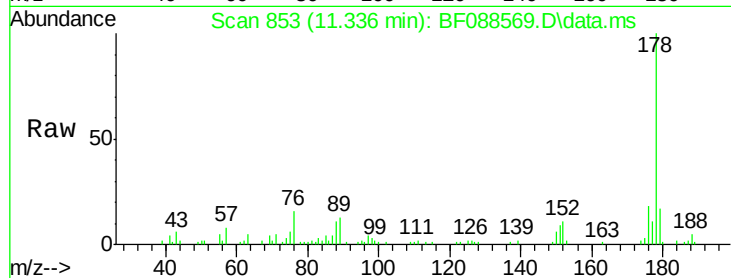
Tot Ion:178 Resp: 63011

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.6

179 16.6 13.0 19.4



#74

Fluoranthene

Concen: 7.14 ng

RT: 12.525 min Scan# 957

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

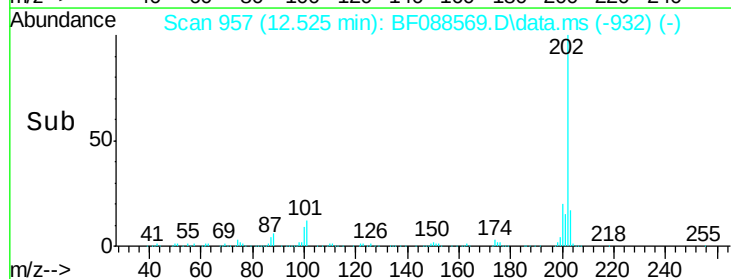
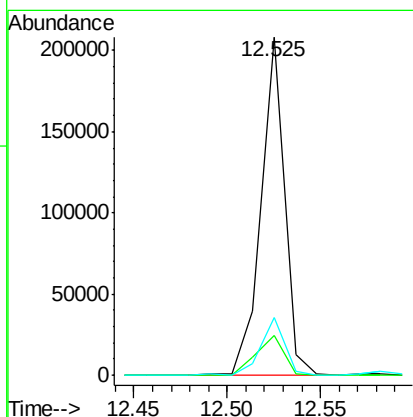
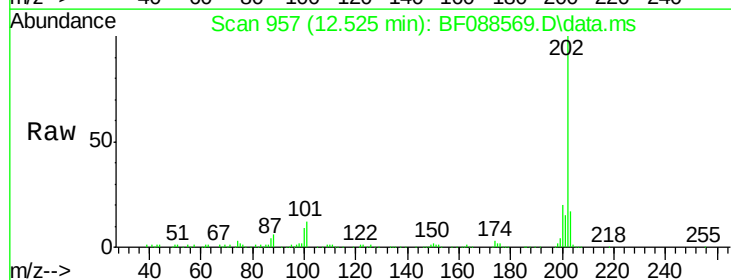
Tgt Ion:202 Resp: 179697

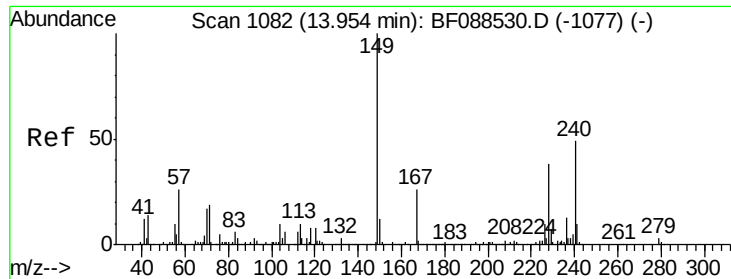
Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.1

203 17.0 0.0 38.1

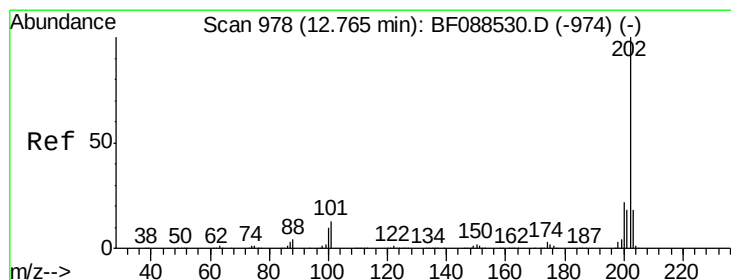
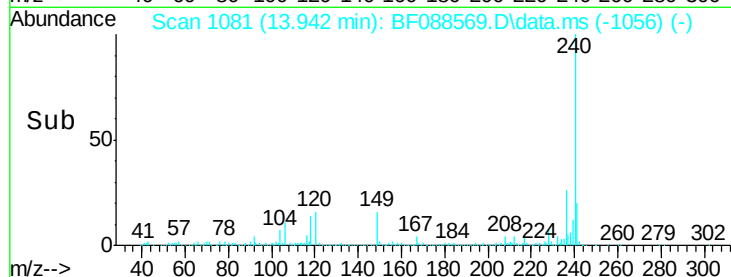
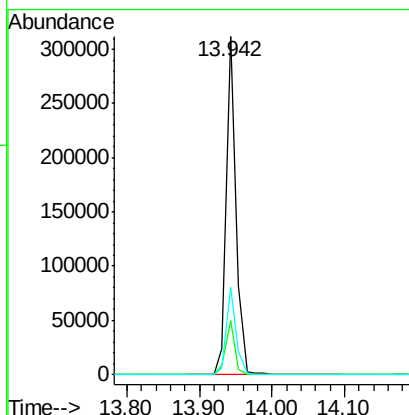
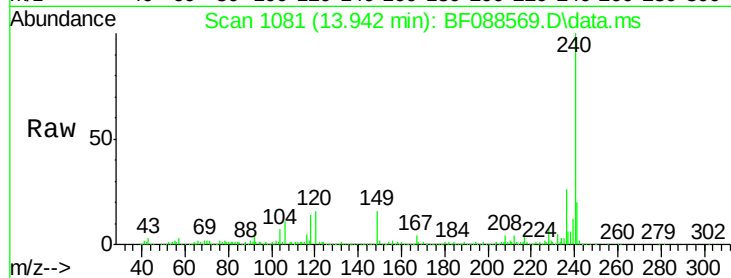




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.942 min Scan# 1082
Delta R.T. -0.011 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

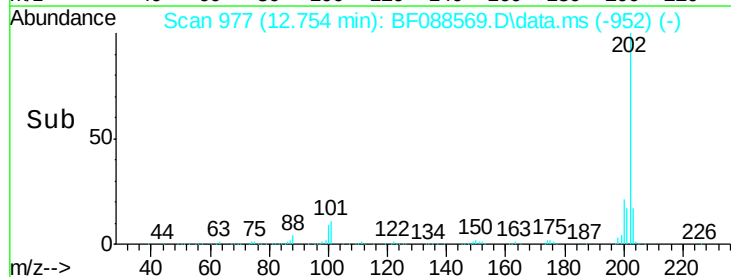
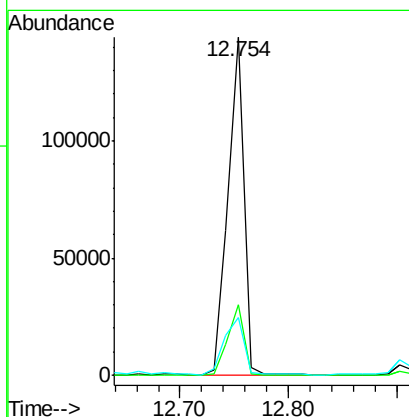
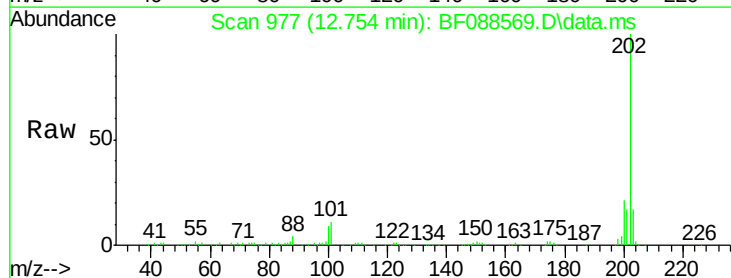
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

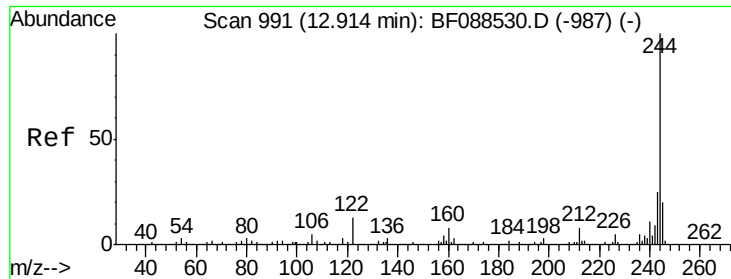
Tot Ion:240 Resp: 292876
Ion Ratio Lower Upper
240 100
120 15.8 6.8 10.2#
236 25.9 20.2 30.2



#77
Pyrene
Concen: 5.91 ng
RT: 12.754 min Scan# 977
Delta R.T. -0.011 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

Tgt Ion:202 Resp: 146681
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.3 14.5 21.7





#78

Terphenyl-d14

Concen: 66.02 ng

RT: 12.902 min Scan# 99

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

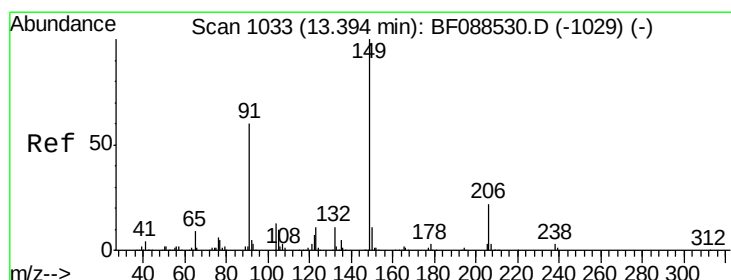
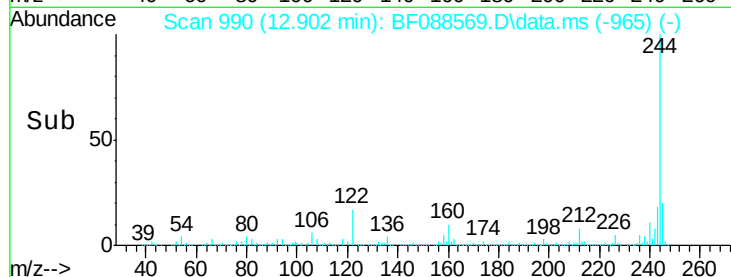
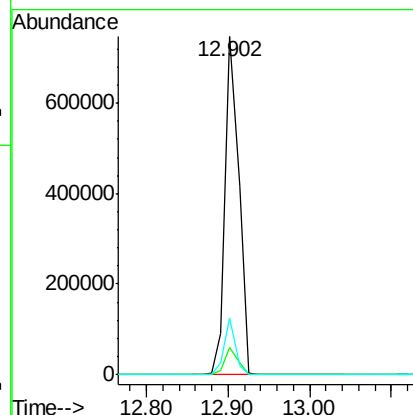
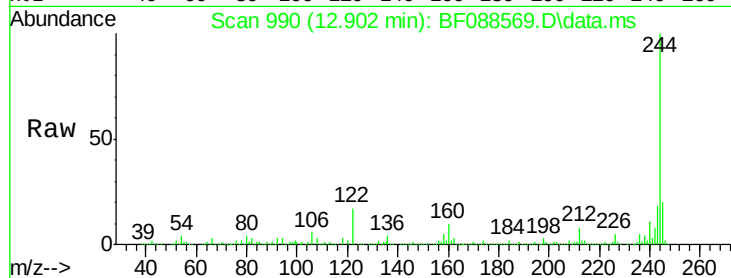
Tot Ion:244 Resp: 868125

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

122 16.6 11.2 16.8



#79

Butylbenzylphthalate

Concen: 9.24 ng

RT: 13.382 min Scan# 1032

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

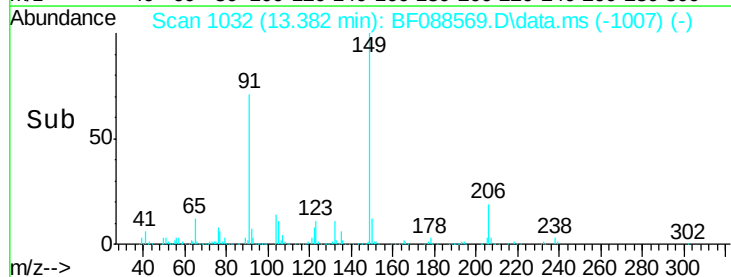
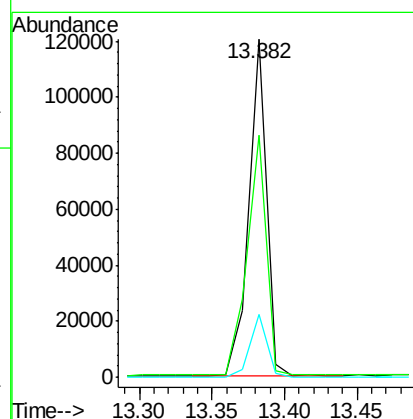
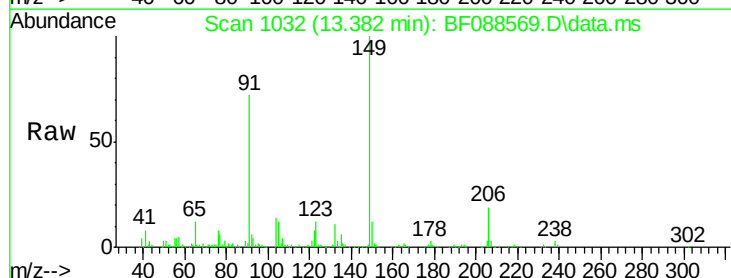
Tgt Ion:149 Resp: 102314

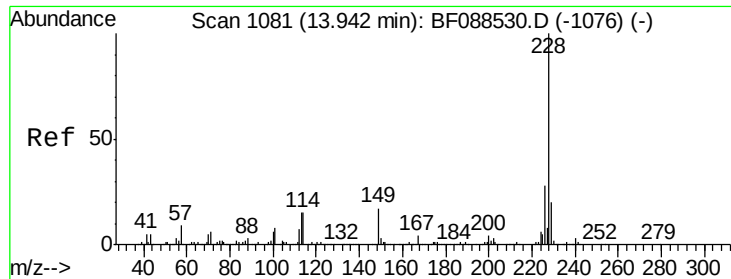
Ion Ratio Lower Upper

149 100

91 71.6 48.0 72.0

206 18.7 16.0 24.0





#80

Benzo(a)anthracene

Concen: 3.22 ng

RT: 13.931 min Scan# 1081

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

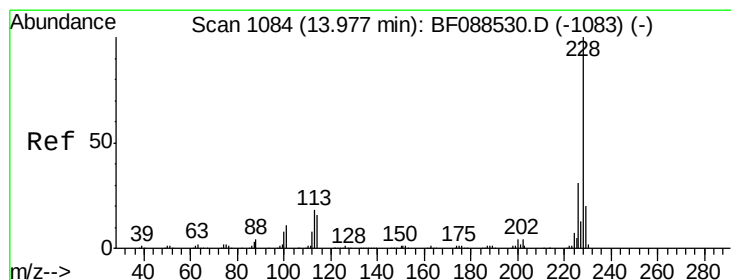
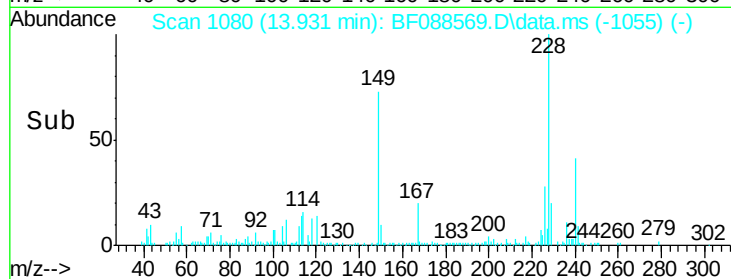
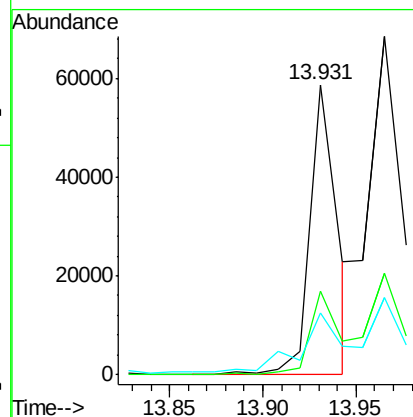
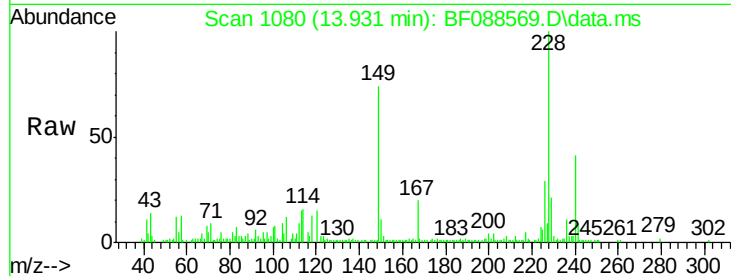
Tot Ion:228 Resp: 60677

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

229 21.4 16.0 24.0



#82

Chrysene

Concen: 3.55 ng

RT: 13.965 min Scan# 1083

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

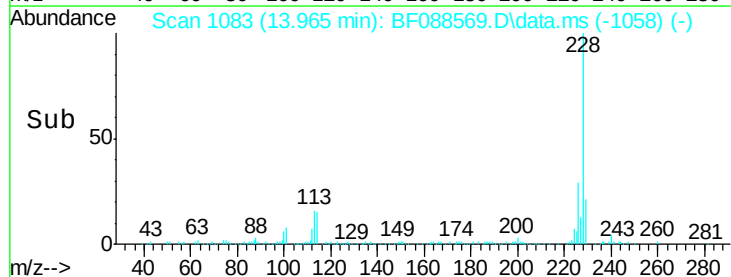
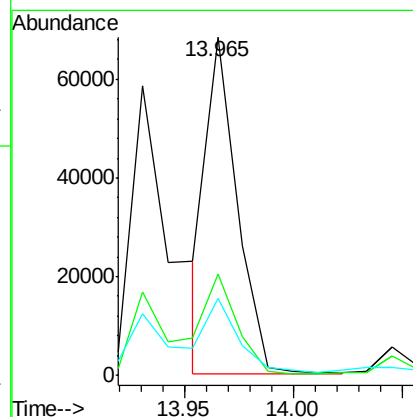
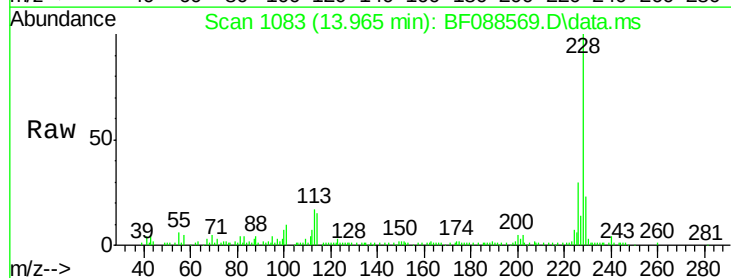
Tgt Ion:228 Resp: 66245

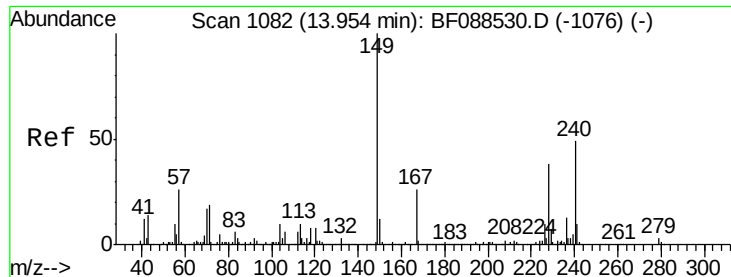
Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

229 22.6 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.30 ng

RT: 13.942 min Scan# 1082

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

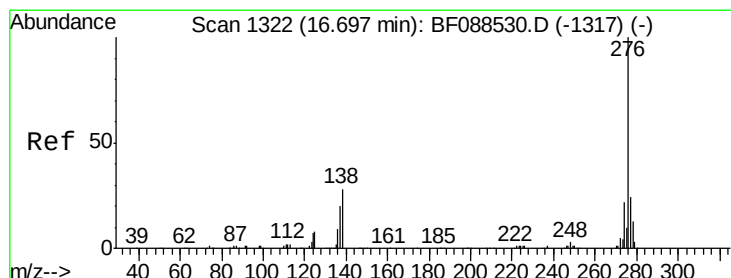
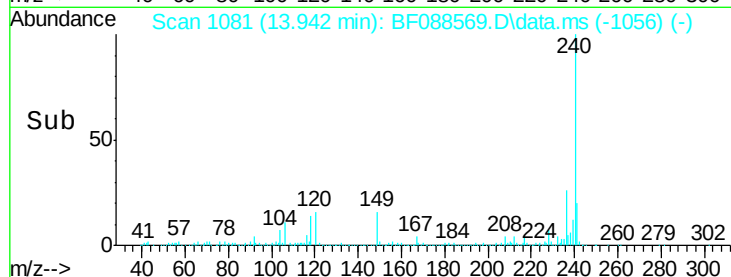
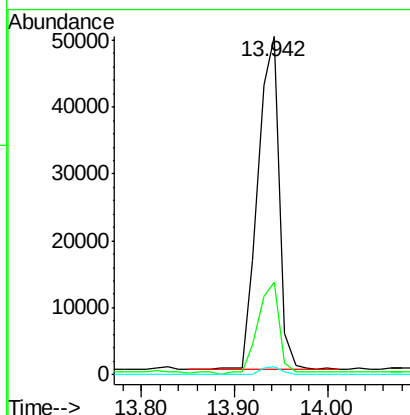
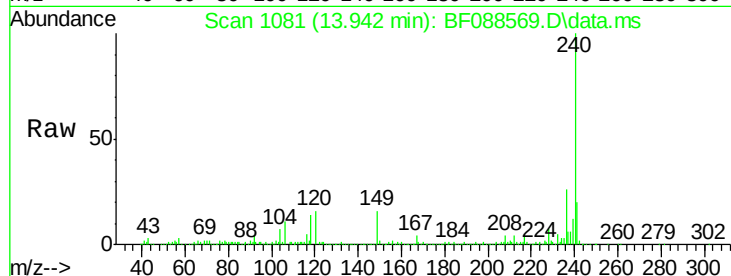
Tot Ion:149 Resp: 79644

Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

279 2.4 2.0 3.0



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.66 ng

RT: 16.686 min Scan# 1321

Delta R.T. -0.011 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

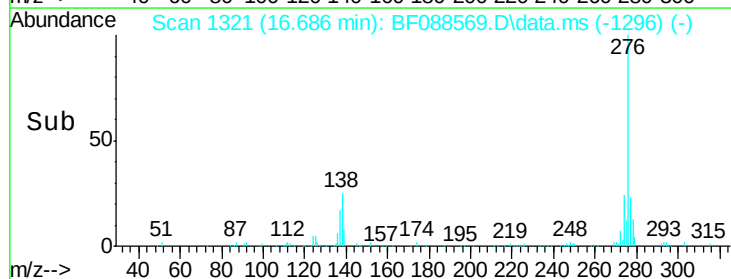
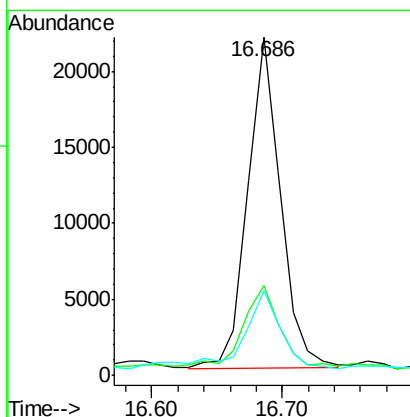
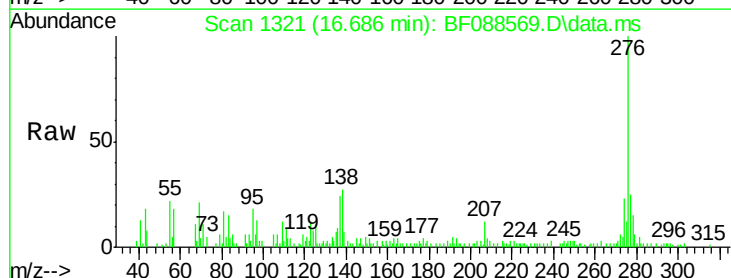
Tgt Ion:276 Resp: 38250

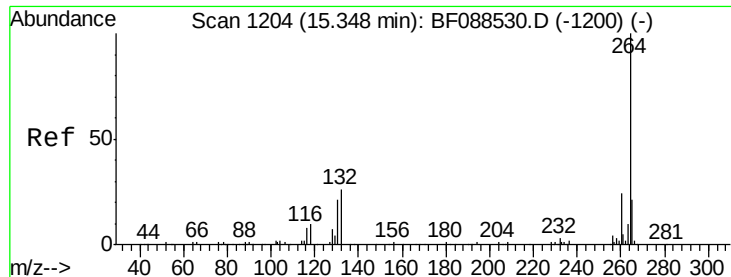
Ion Ratio Lower Upper

276 100

138 26.4 0.0 0.0#

277 28.3 0.0 0.0#

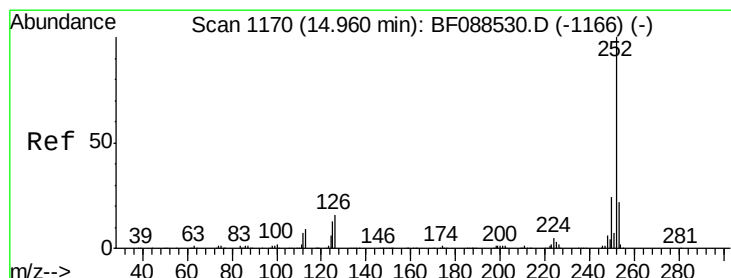
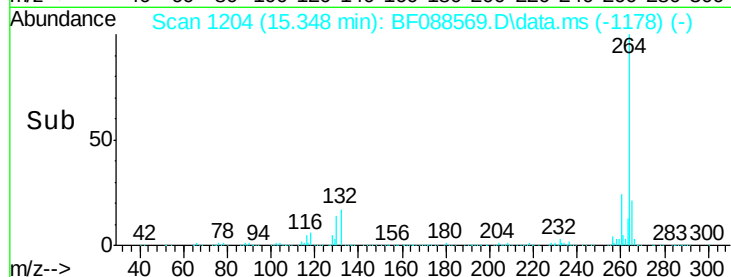
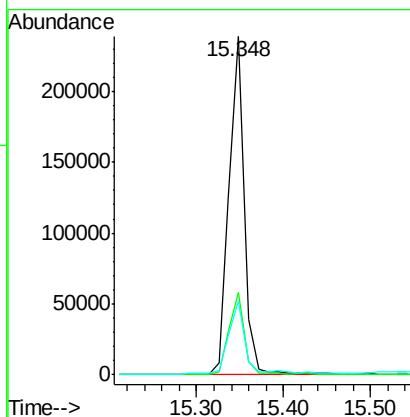
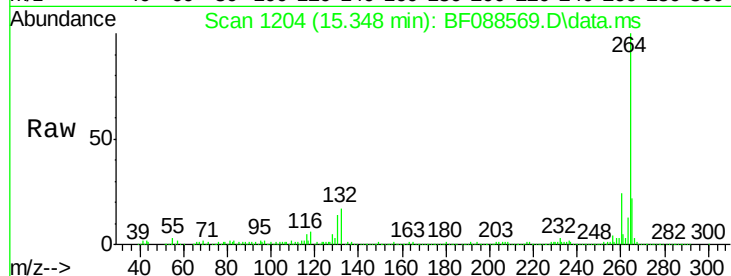




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.348 min Scan# 12
Delta R.T. -0.000 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

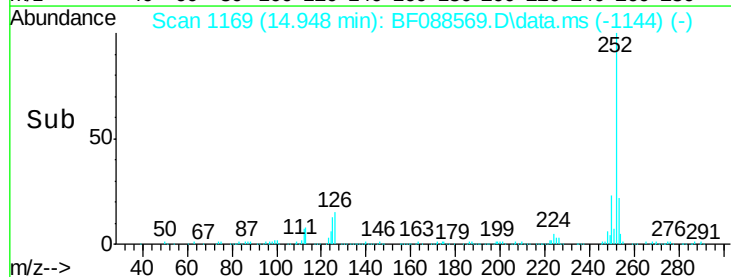
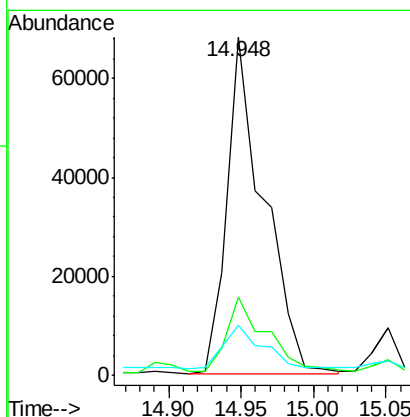
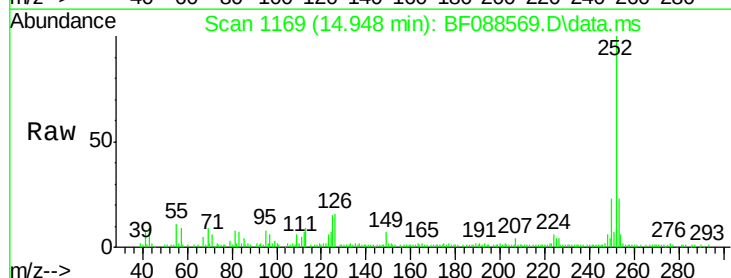
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

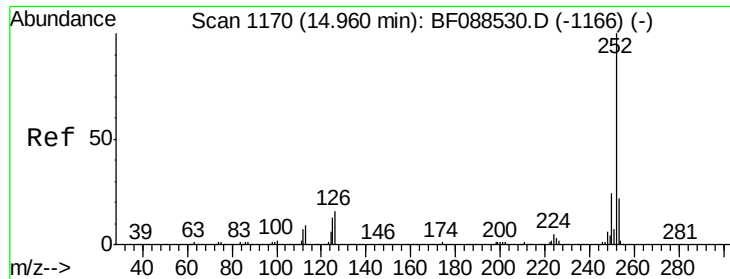
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 6.56 ng
RT: 14.948 min Scan# 1169
Delta R.T. -0.011 min
Lab File: BF088569.D
Acq: 1 Jul 2016 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	14.9	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 7.54 ng

RT: 14.948 min Scan# 11

Delta R.T. -0.034 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

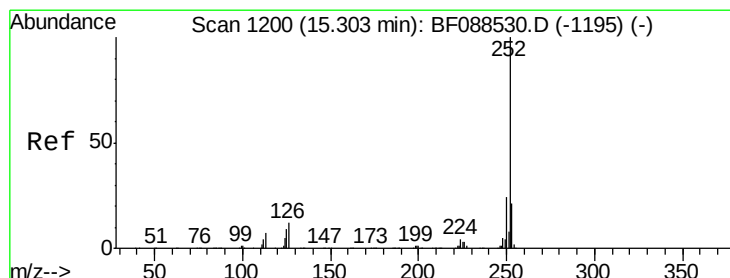
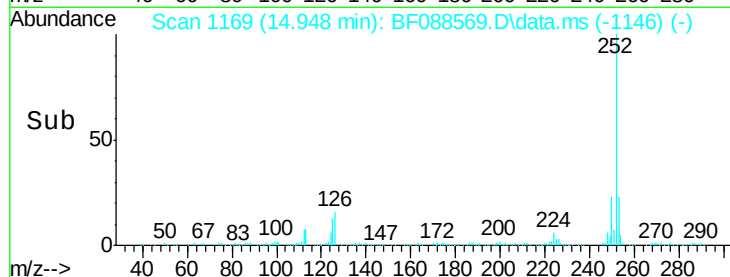
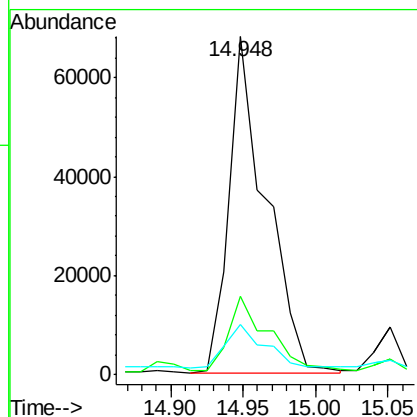
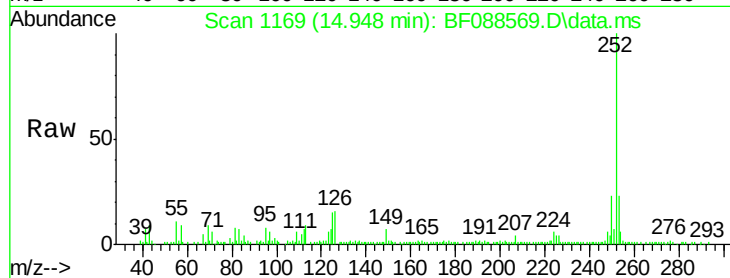
Tot Ion:252 Resp: 119329

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 14.9 11.2 16.8



#89

Benzo(a)pyrene

Concen: 3.20 ng

RT: 15.234 min Scan# 1194

Delta R.T. -0.069 min

Lab File: BF088569.D

Acq: 1 Jul 2016 12:25

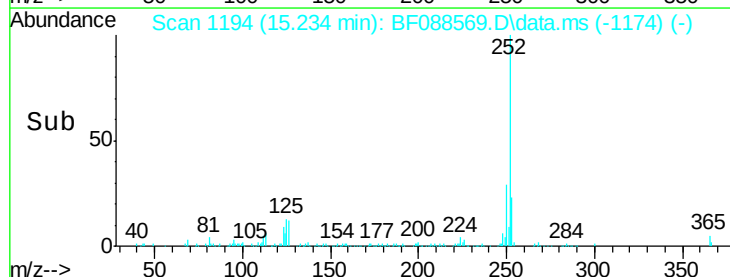
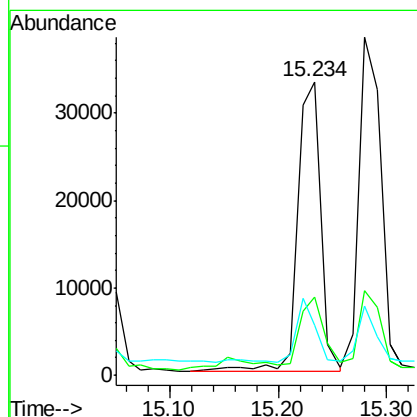
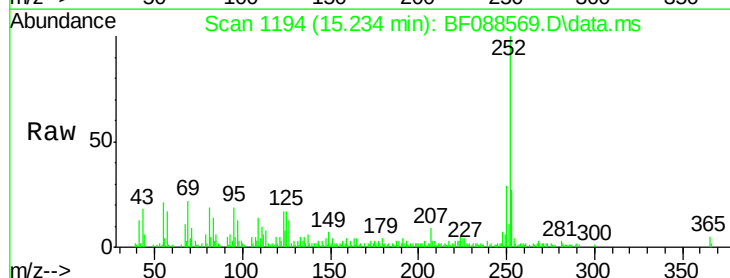
Tgt Ion:252 Resp: 49255

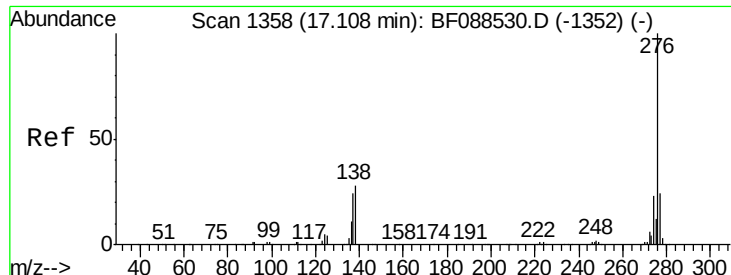
Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

125 17.2 12.5 18.7





#91
 Benzo(a,h,i)perylene
 Concen: 3.00 ng
 RT: 17.086 min Scan# 1358
 Delta R.T. -0.023 min
 Lab File: BF088569.D
 Acq: 1 Jul 2016 12:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	30.6	21.4	32.2

