

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090040.D
 Acq On : 8 Sep 2016 22:39
 Operator : UM/SJ
 Sample : H4704-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

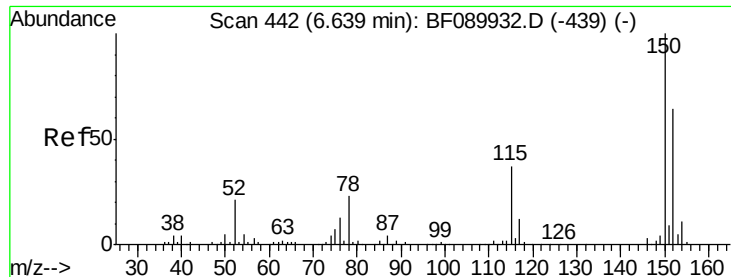
Quant Time: Sep 09 04:39:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	186075	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	784065	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	365113	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	623420	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	467199	20.00	ng	-0.01
86) Perylene-d12	15.05	264	377350	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	1191548	102.50	ng	0.01
7) Phenol-d6	6.25	99	1631107	115.47	ng	0.00
23) Nitrobenzene-d5	7.16	82	859221	63.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	345197	95.83	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	1829896	82.27	ng	0.00
78) Terphenyl-d14	12.69	244	1356776	71.74	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	110293	11.98	ng	# 82
25) Isophorone	7.16	82	761686	27.71	ng	# 65
49) Dimethylphthalate	9.36	163	520886	19.74	ng	99
56) 2,4-Dinitrotoluene	9.63	165	45566	6.12	ng	# 29
66) 4-Bromophenyl-phenylether	10.41	248	21700	3.46	ng	# 1
70) Phenanthrene	11.12	178	347405	11.19	ng	97
71) Anthracene	11.18	178	98440	3.13	ng	97
74) Fluoranthene	12.30	202	522767	16.07	ng	95
77) Pyrene	12.53	202	436498	13.25	ng	99
80) Benzo(a)anthracene	13.70	228	257827	9.01	ng	99
82) Chrysene	13.74	228	193982	7.26	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	84482	4.28	ng	# 89
87) Benzo(b)fluoranthene	14.70	252	330693	13.99	ng	# 96
88) Benzo(k)fluoranthene	14.70	252	330693	16.49	ng	# 97
89) Benzo(a)pyrene	15.01	252	168309	8.31	ng	97
91) Benzo(g,h,i)perylene	16.62	276	77858	5.21	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

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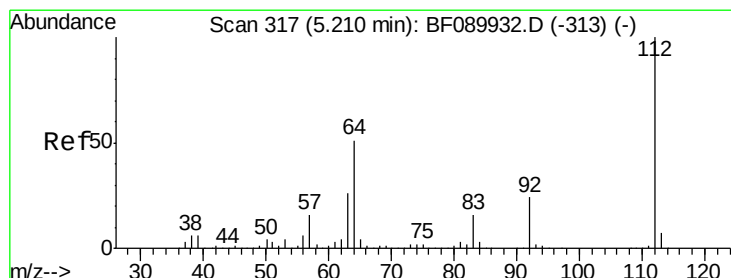
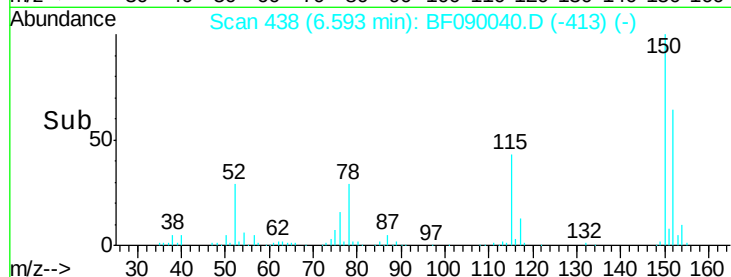
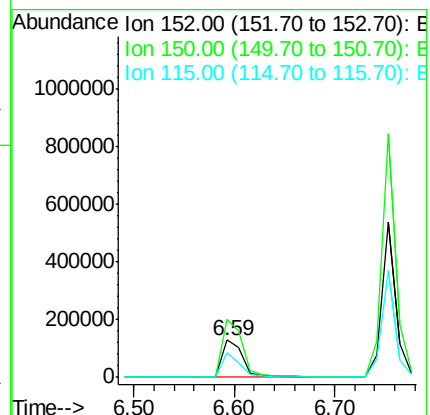
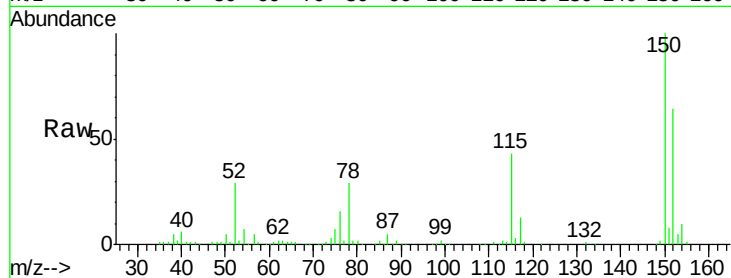
Tgt Ion:152 Resp: 186075

Ion Ratio Lower Upper

152 100

150 156.7 127.4 191.2

115 67.1 46.3 69.5



#5

2-Fluorophenol

Concen: 102.50 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

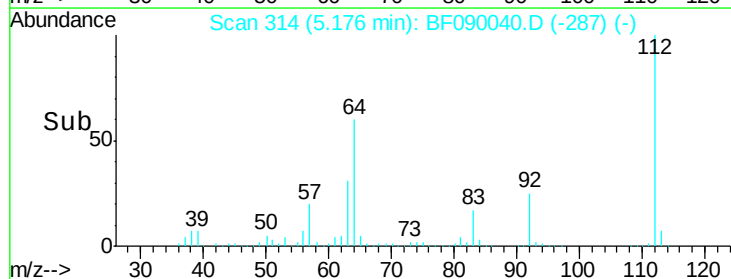
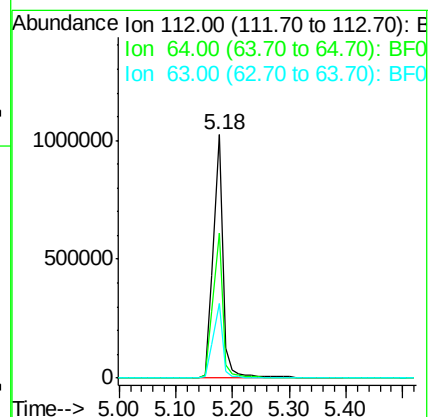
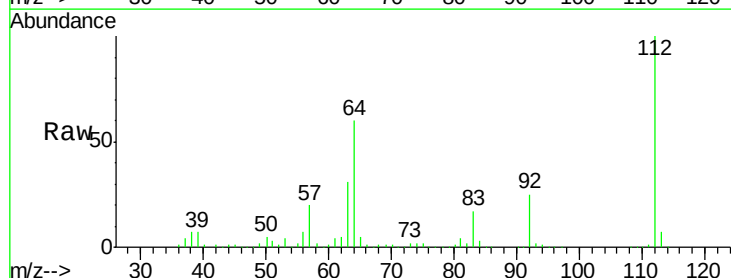
Tgt Ion:112 Resp: 1191548

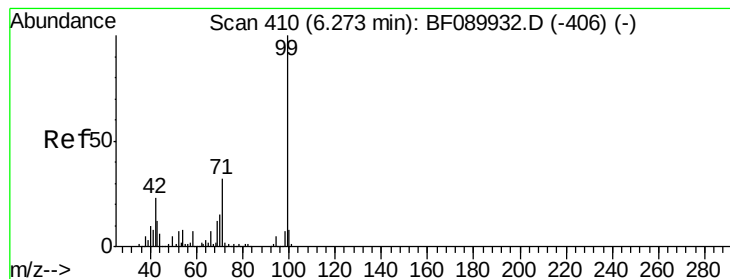
Ion Ratio Lower Upper

112 100

64 59.7 41.1 61.7

63 30.9 21.2 31.8





#7

Phenol-d6

Concen: 115.47 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Instrument :

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ClientSampleId :

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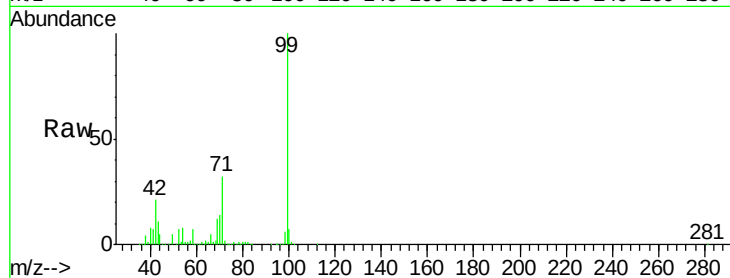
Tgt Ion: 99 Resp: 1631107

Ion Ratio Lower Upper

99 100

42 21.3 18.6 27.8

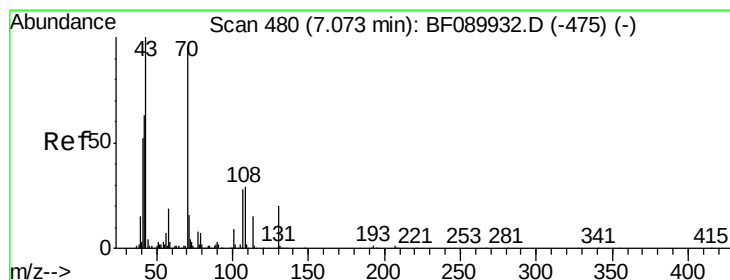
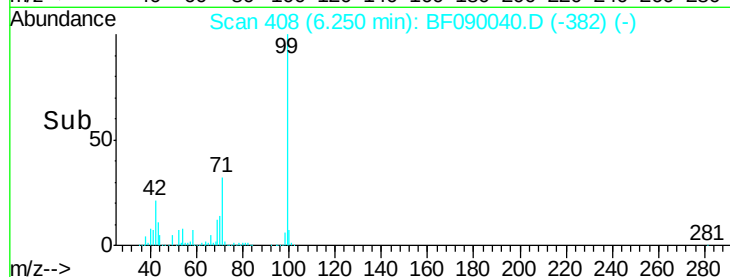
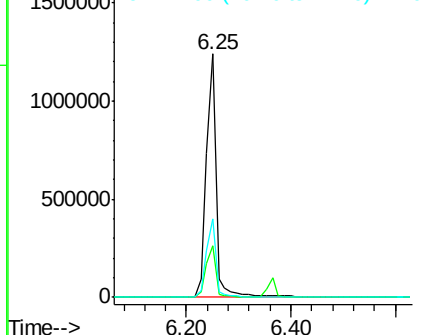
71 32.3 25.8 38.6



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: 11.98 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Tgt Ion: 70 Resp: 110293

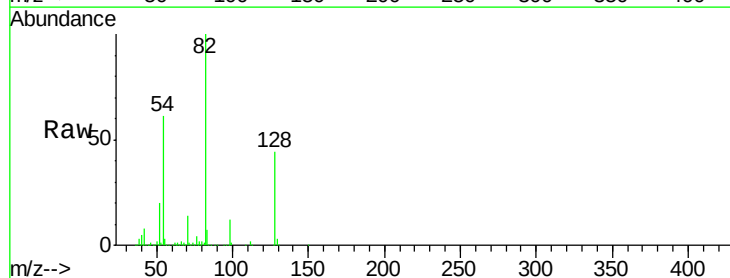
Ion Ratio Lower Upper

70 100

42 57.1 52.1 78.1

101 0.0 7.4 11.2#

130 2.3 17.0 25.4#

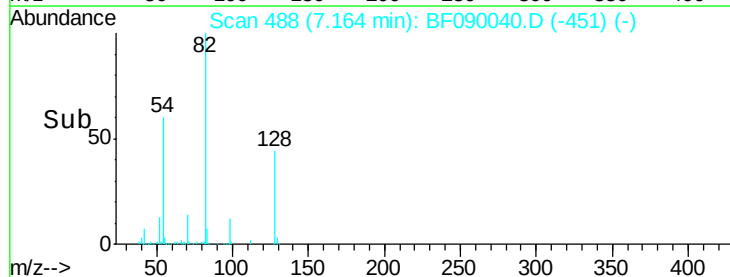
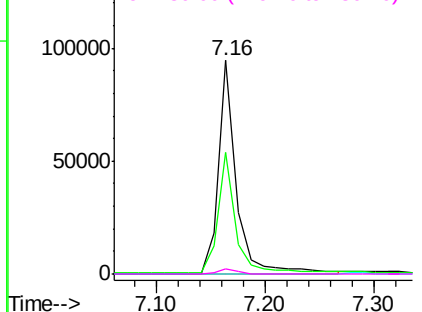


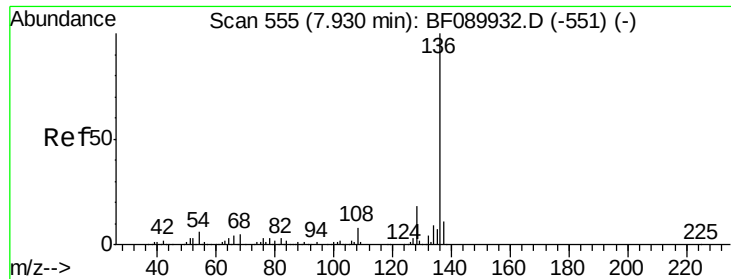
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Instrument :

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Tgt Ion:136 Resp: 784065

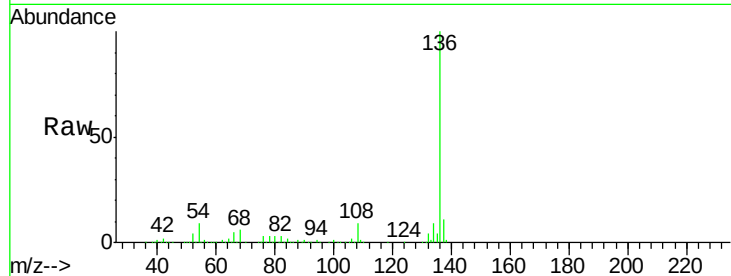
Ion Ratio Lower Upper

136 100

137 10.8 8.3 12.5

54 8.5 4.8 7.2#

68 6.0 3.7 5.5#

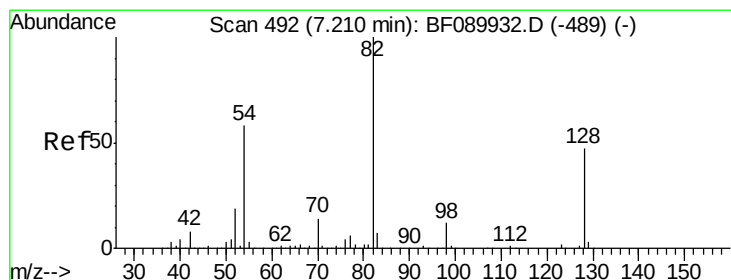
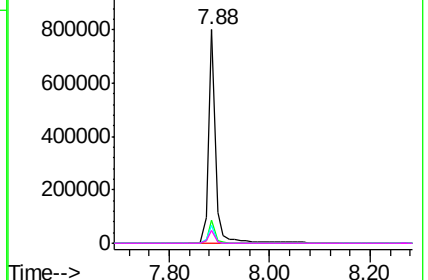
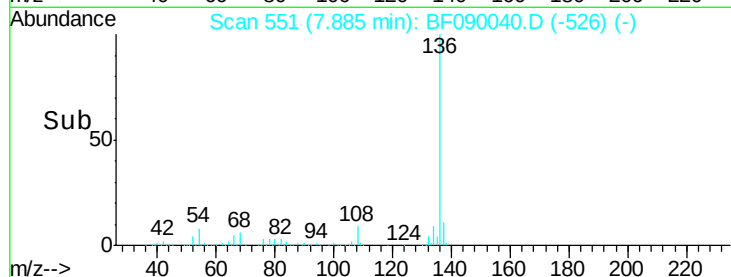


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.55 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

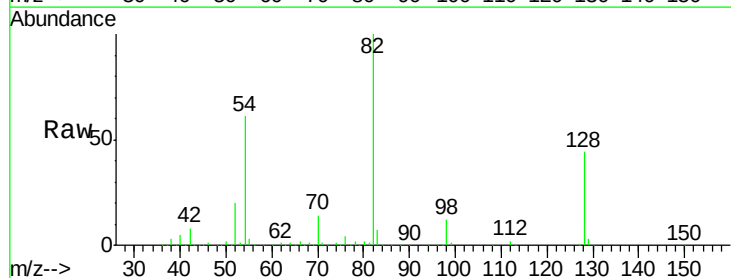
Tgt Ion: 82 Resp: 859221

Ion Ratio Lower Upper

82 100

128 44.5 37.8 56.8

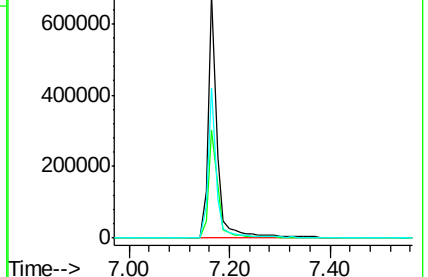
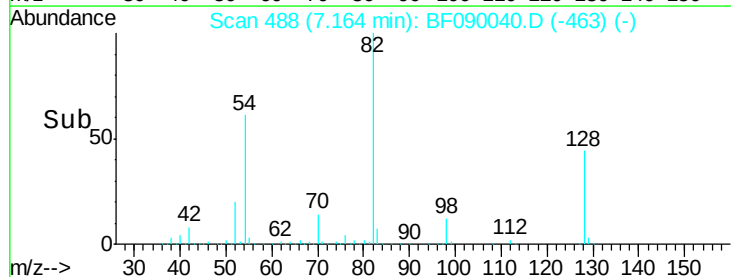
54 61.4 46.9 70.3

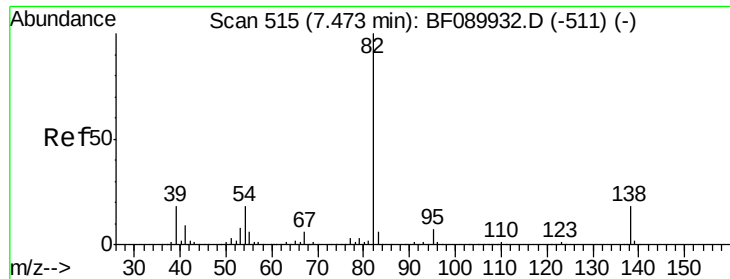


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.71 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Instrument :

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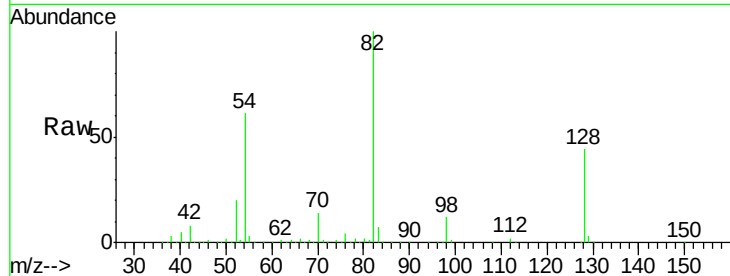
Tgt Ion: 82 Resp: 761686

Ion Ratio Lower Upper

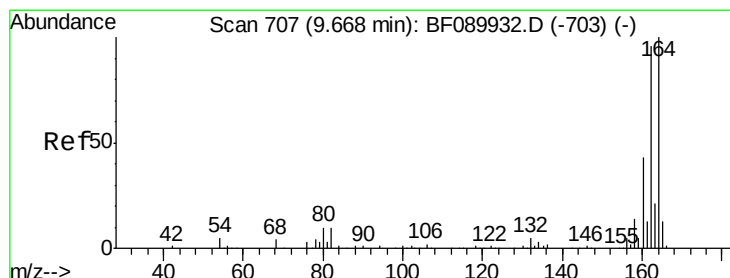
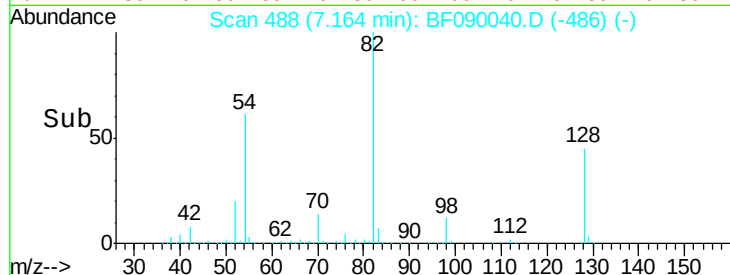
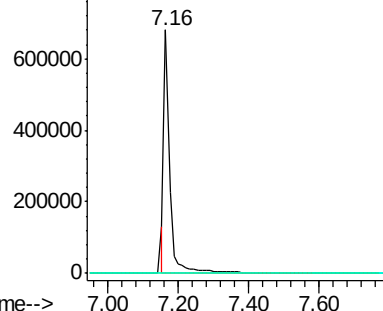
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



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: 9.63 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

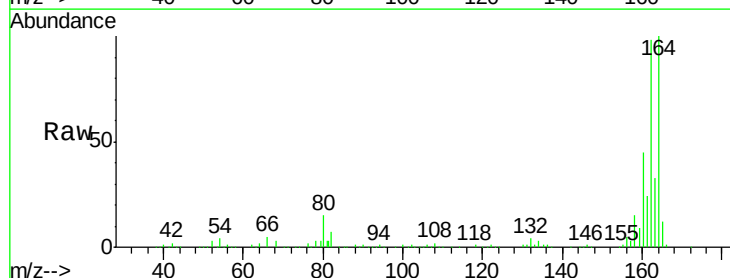
Tgt Ion: 164 Resp: 365113

Ion Ratio Lower Upper

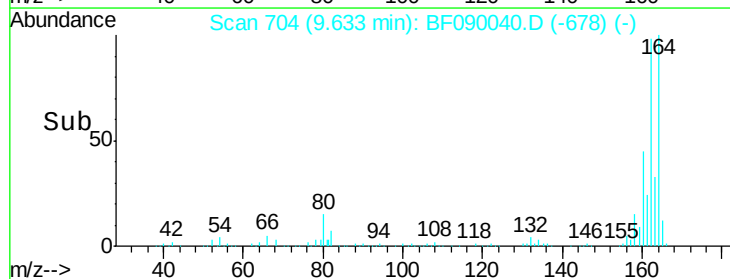
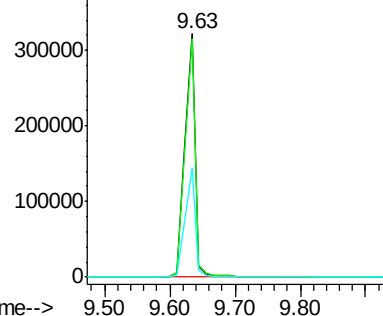
164 100

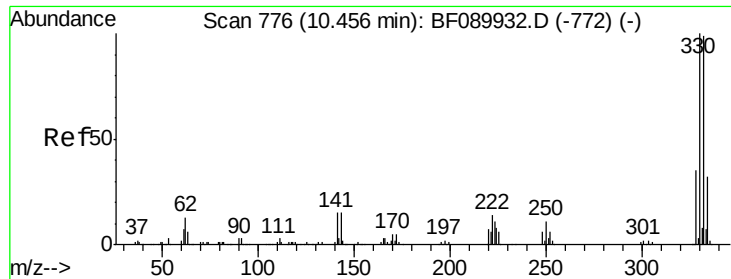
162 97.7 77.1 115.7

160 45.1 35.3 52.9



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

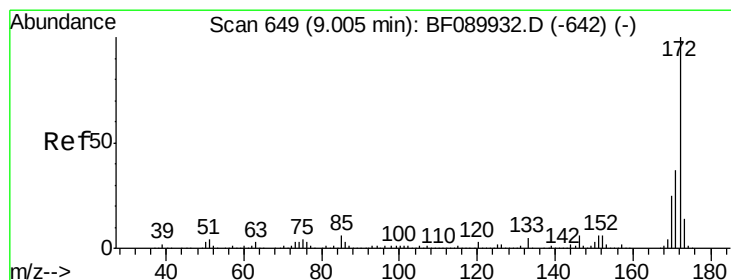
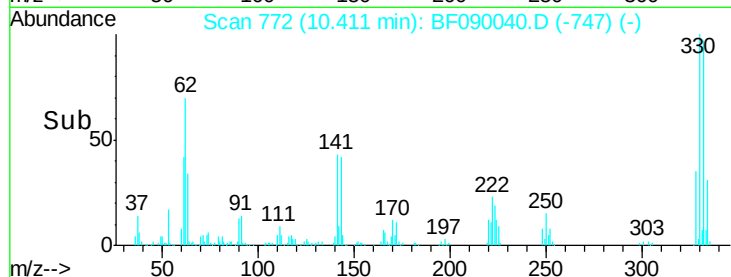
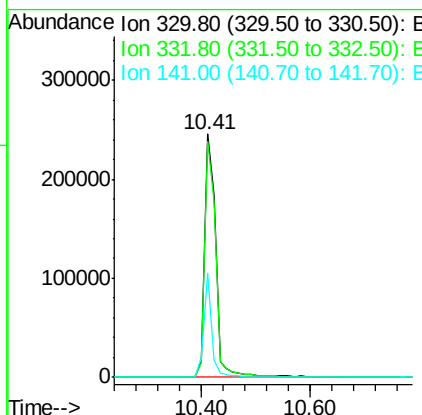
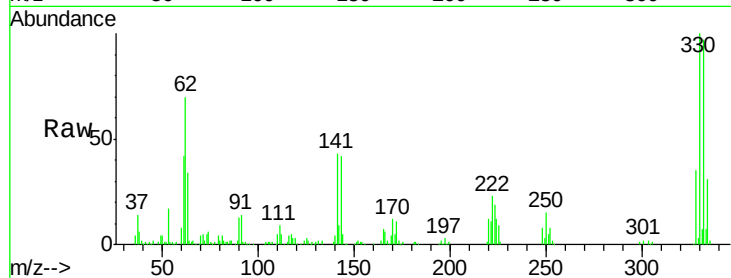




#41
 2,4,6-Tribromophenol
 Concen: 95.83 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF090040.D
 Acq: 8 Sep 2016 22:39

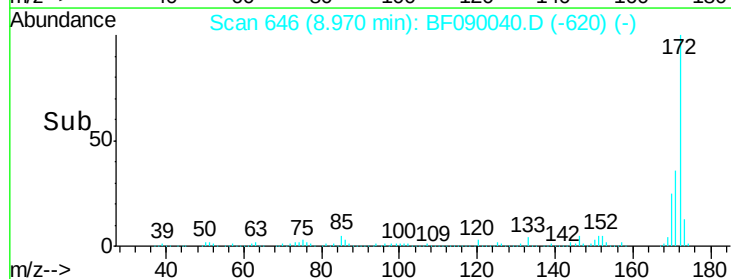
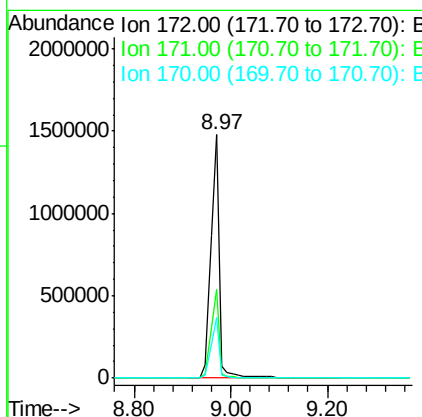
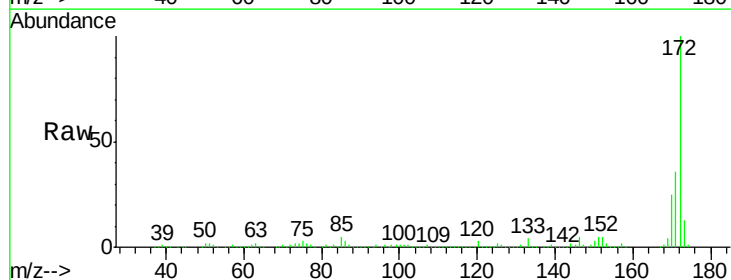
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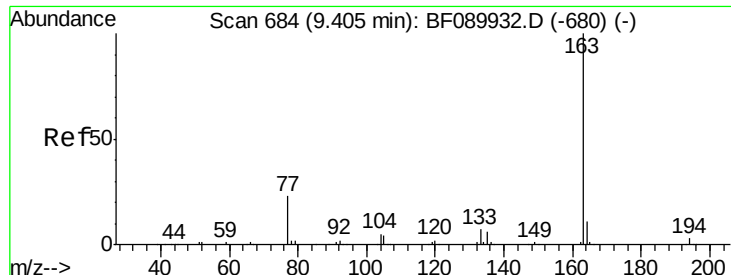
Tgt Ion:330 Resp: 345197
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.6 117.8
 141 30.9 23.3 34.9



#44
 2-Fluorobiphenyl
 Concen: 82.27 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF090040.D
 Acq: 8 Sep 2016 22:39

Tgt Ion:172 Resp: 1829896
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.2
 170 24.8 20.1 30.1

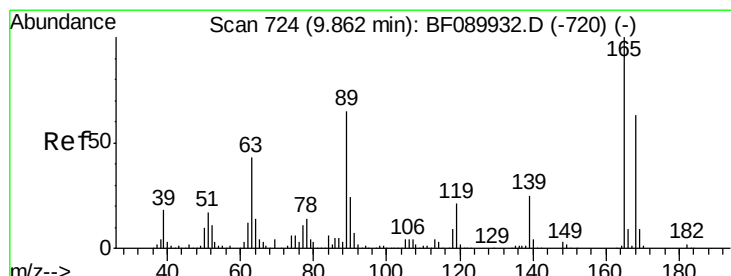
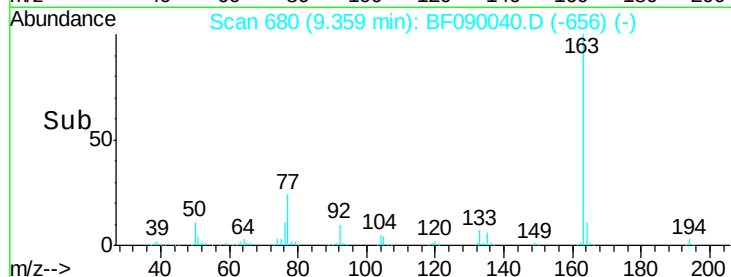
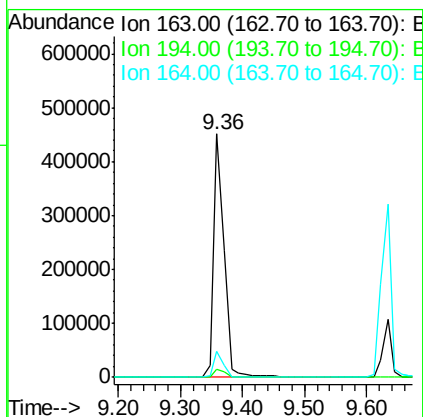
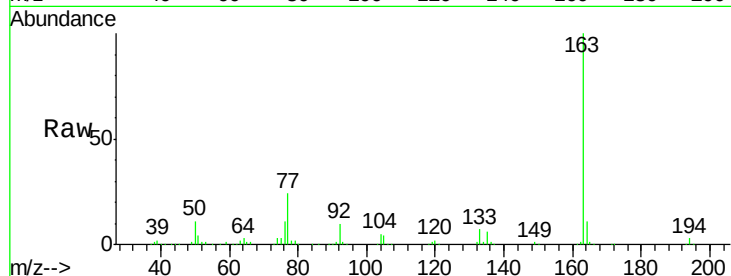




#49
Dimethylphthalate
Concen: 19.74 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

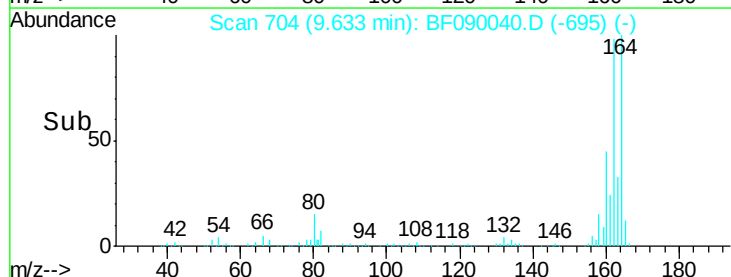
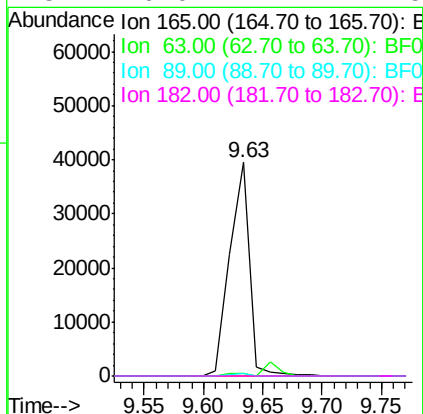
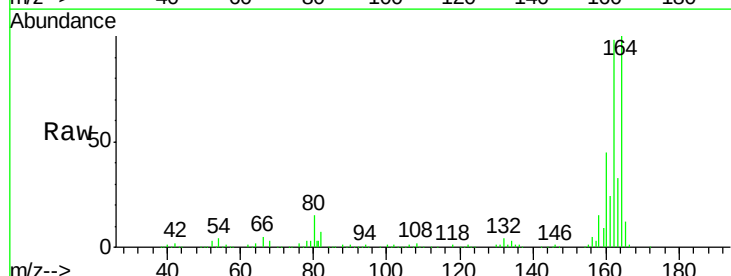
Instrument :
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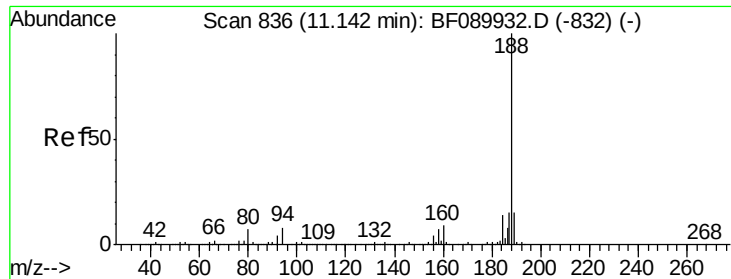
Tgt Ion:163 Resp: 520886
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.9 9.0 13.4



#56
2,4-Dinitrotoluene
Concen: 6.12 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.19 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Tgt Ion:165 Resp: 45566
Ion Ratio Lower Upper
165 100
63 1.0 32.5 48.7#
89 1.3 48.3 72.5#
182 0.0 1.7 2.5#

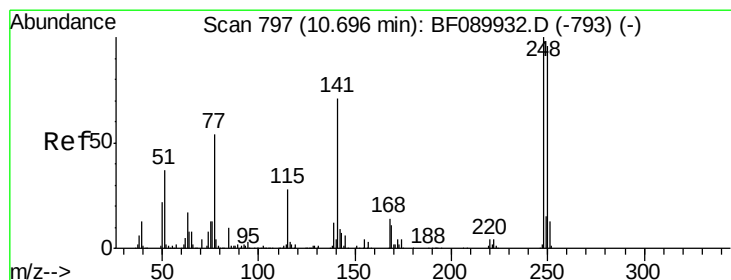
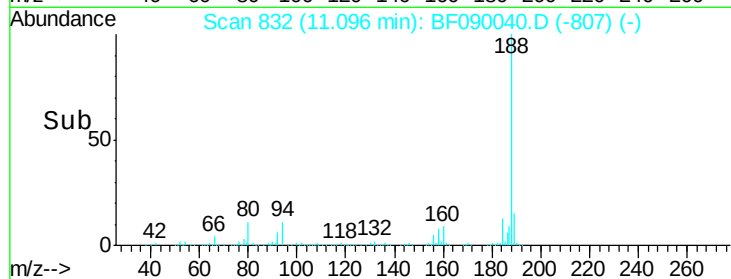
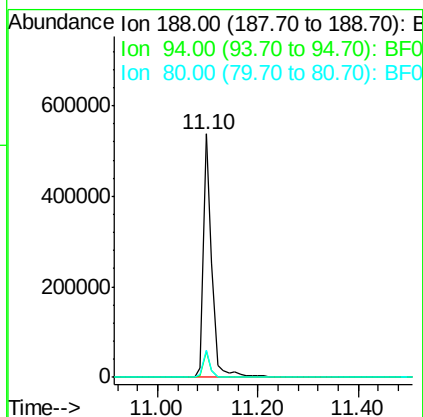
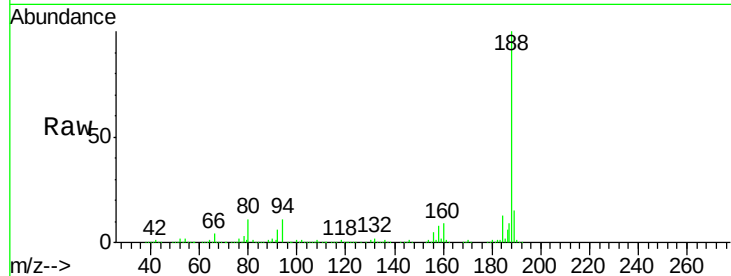




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

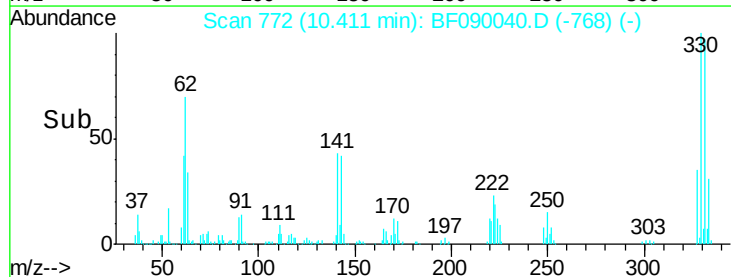
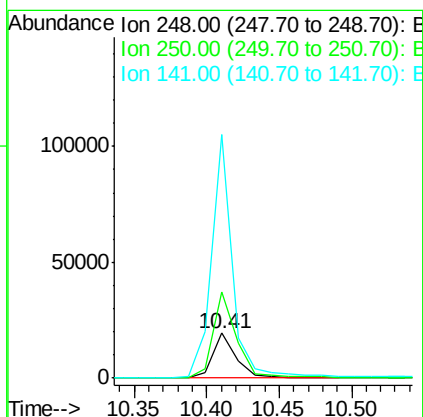
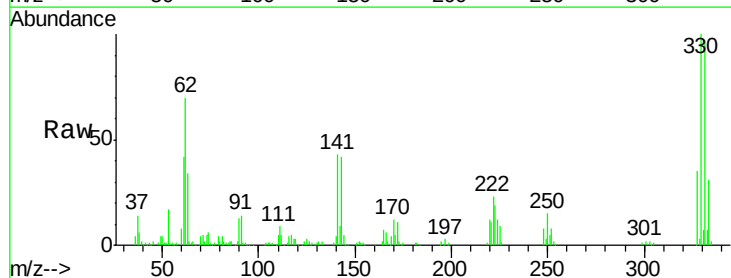
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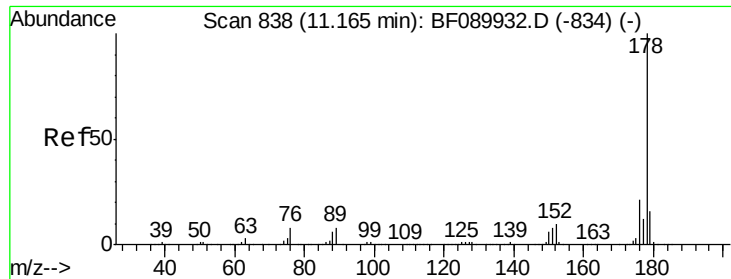
Tgt Ion:188 Resp: 623420
Ion Ratio Lower Upper
188 100
94 10.8 5.9 8.9#
80 11.3 5.8 8.8#



#66
4-Bromophenyl-phenylether
Concen: 3.46 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.25 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Tgt Ion:248 Resp: 21700
Ion Ratio Lower Upper
248 100
250 193.4 77.3 115.9#
141 543.7 55.8 83.8#

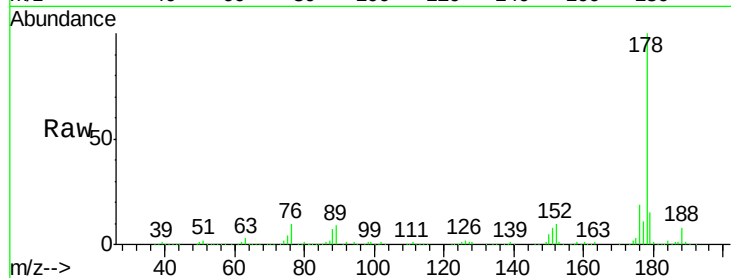




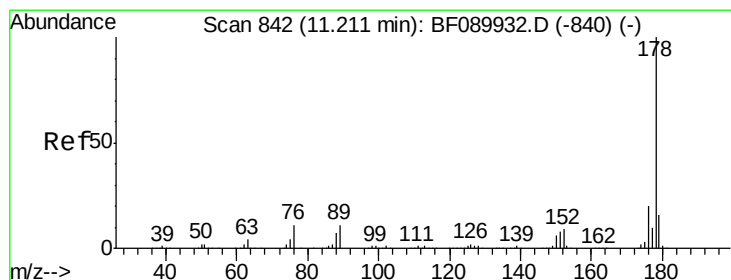
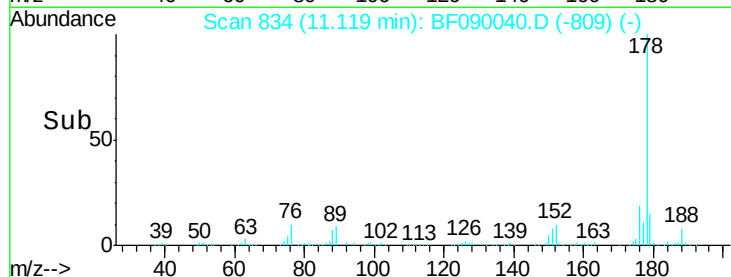
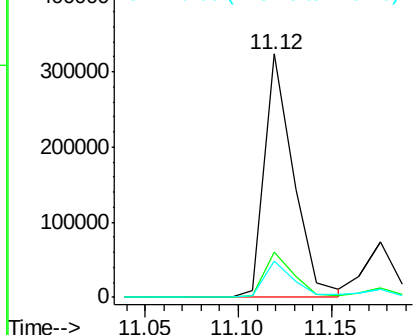
#70
Phenanthrene
Concen: 11.19 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:178 Resp: 347405
Ion Ratio Lower Upper
178 100
176 18.8 16.5 24.7
179 15.1 12.8 19.2

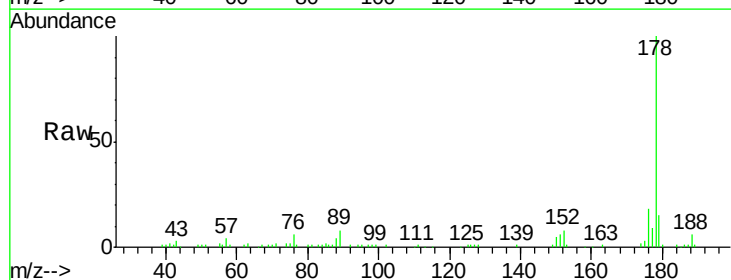


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

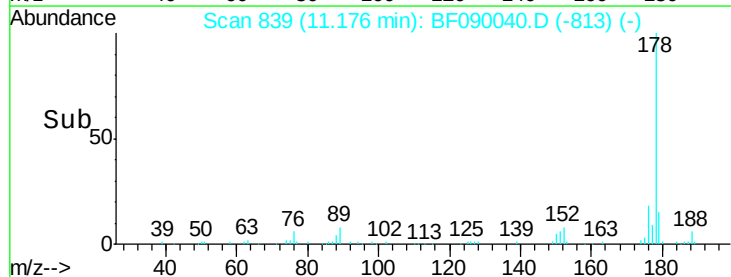
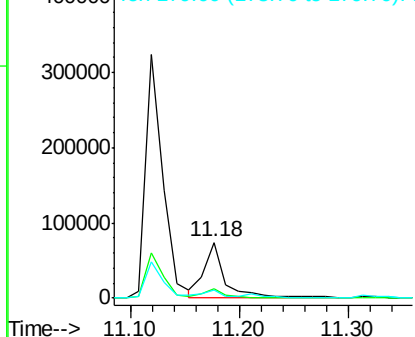


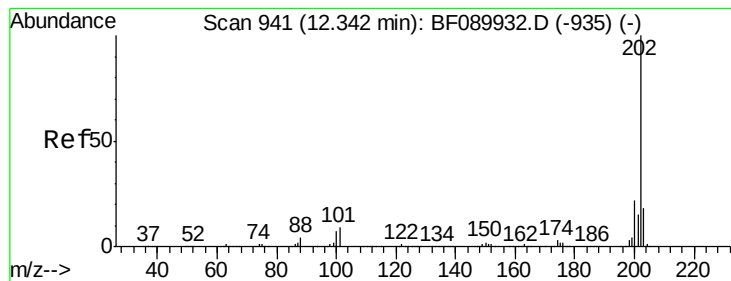
#71
Anthracene
Concen: 3.13 ng
RT: 11.18 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Tgt Ion:178 Resp: 98440
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.5 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: 16.07 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Instrument :

BNA_F

ClientSampleId :

COMP-3

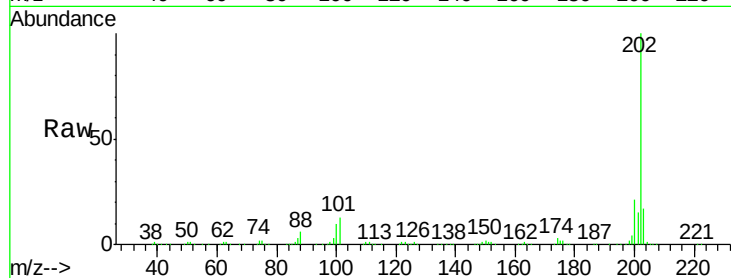
Tgt Ion: 202 Resp: 522767

Ion Ratio Lower Upper

202 100

101 13.2 0.0 28.5

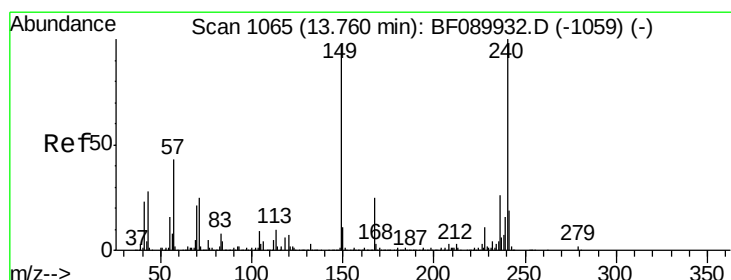
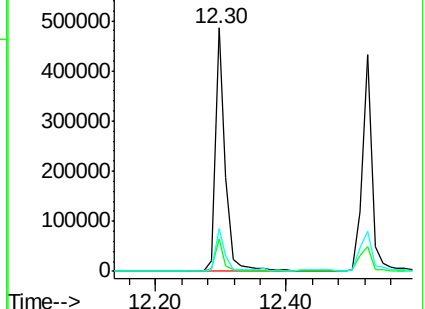
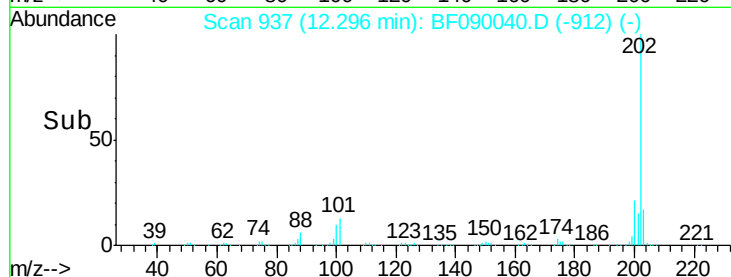
203 17.3 0.0 38.0



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: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

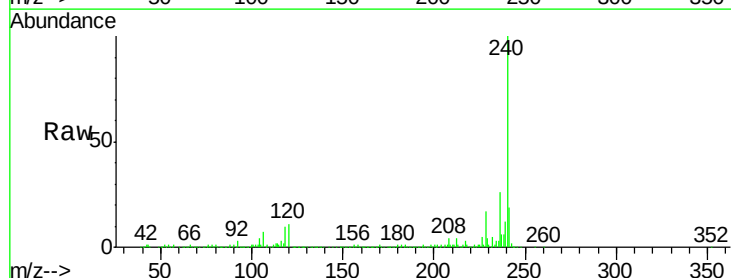
Tgt Ion: 240 Resp: 467199

Ion Ratio Lower Upper

240 100

120 11.4 5.7 8.5#

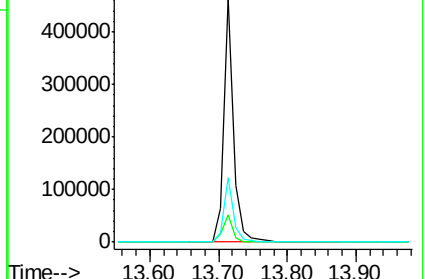
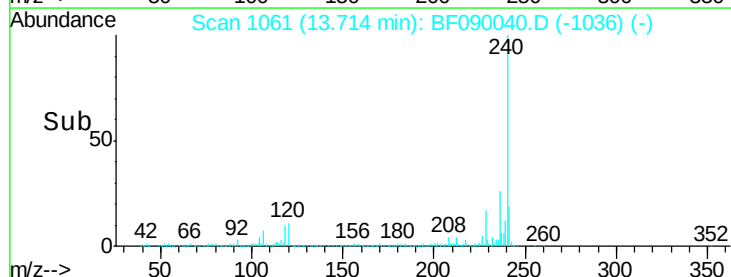
236 26.3 21.3 31.9

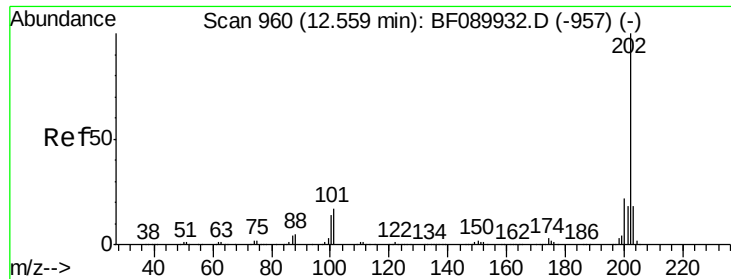


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.25 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Instrument :

BNA_F

ClientSampleId :

COMP-3

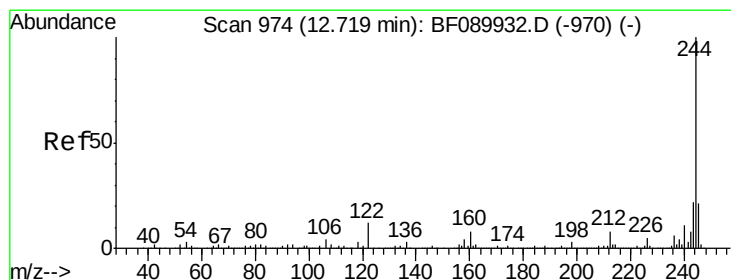
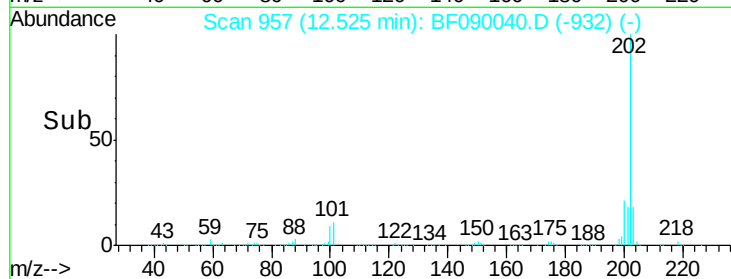
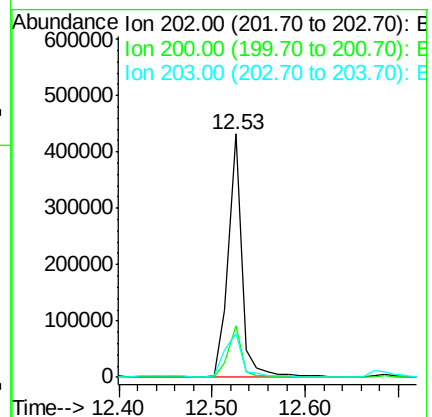
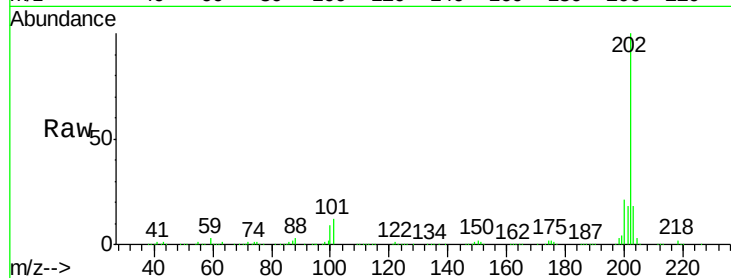
Tgt Ion: 202 Resp: 436498

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 18.2 14.6 21.8



#78

Terphenyl-d14

Concen: 71.74 ng

RT: 12.69 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

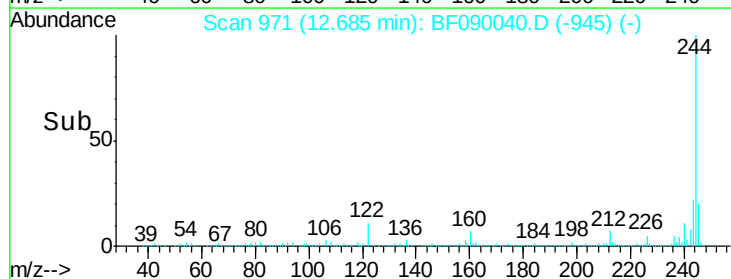
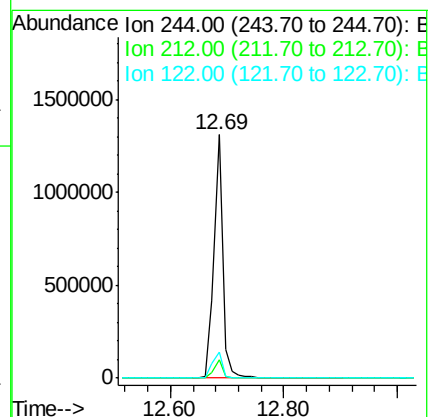
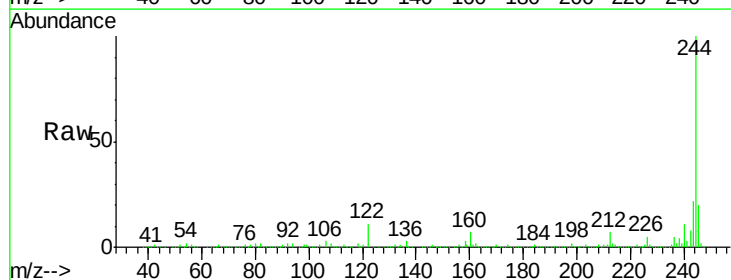
Tgt Ion: 244 Resp: 1356776

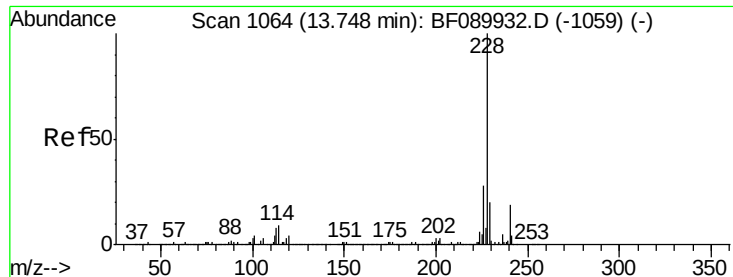
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 10.5 9.6 14.4





#80

Benzo(a)anthracene

Concen: 9.01 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

Instrument :

BNA_F

ClientSampled :

COMP-3

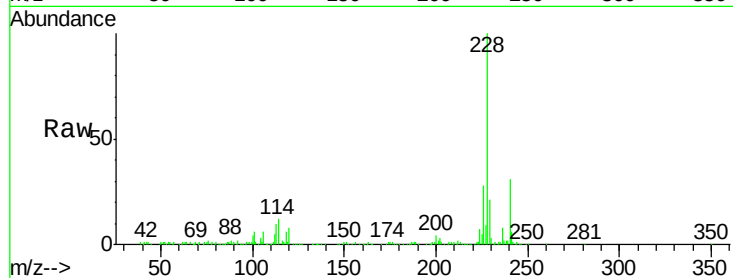
Tgt Ion:228 Resp: 257827

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.2

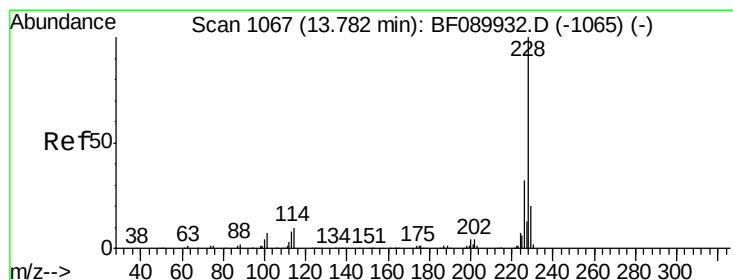
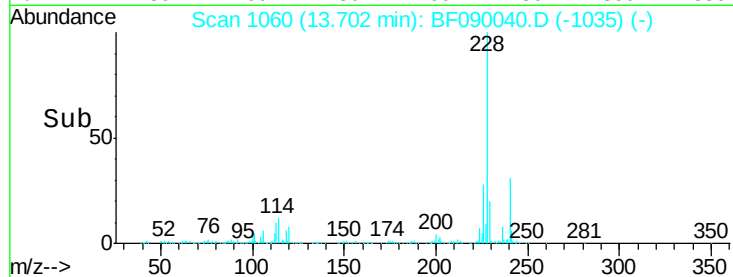
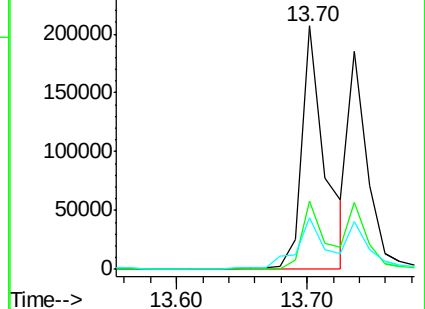
229 21.0 15.8 23.6



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: 7.26 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF090040.D

Acq: 8 Sep 2016 22:39

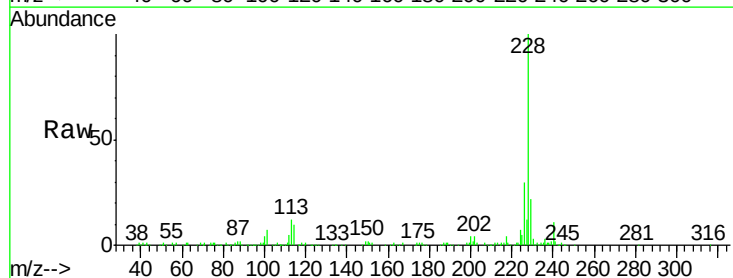
Tgt Ion:228 Resp: 193982

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

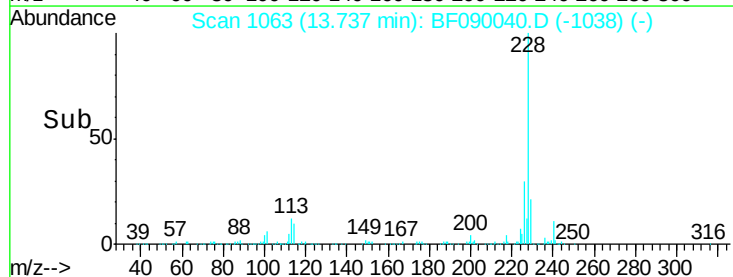
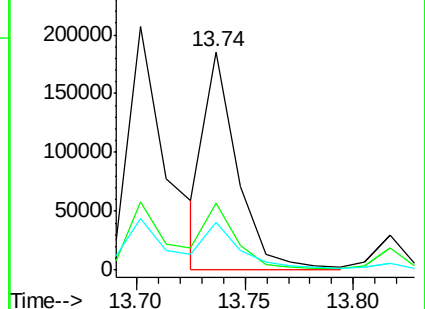
229 21.9 16.2 24.2

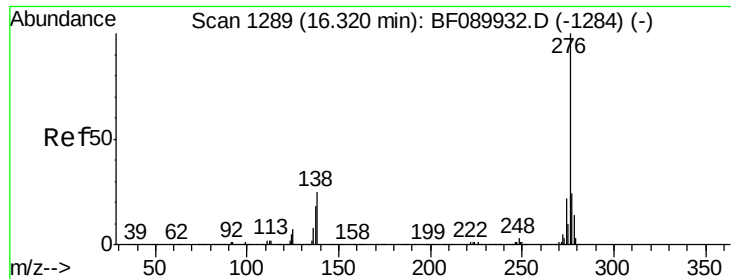


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

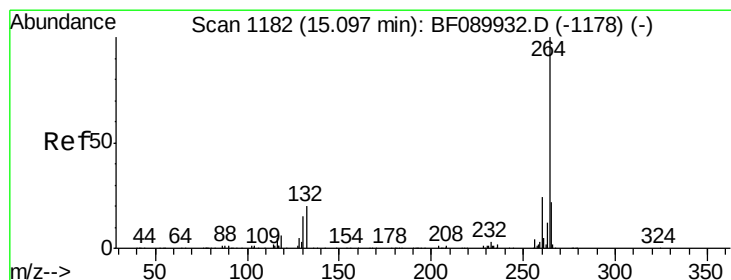
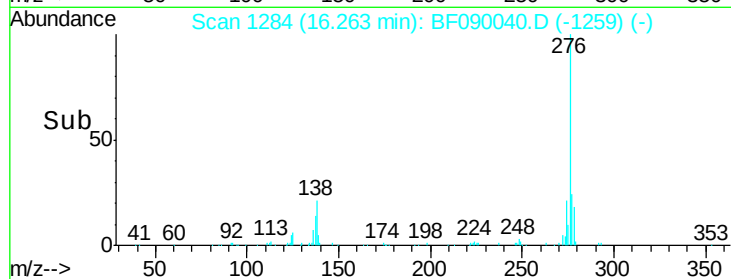
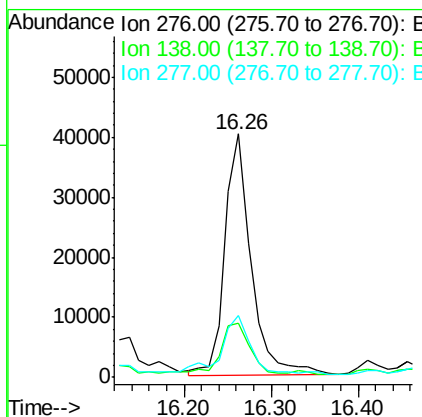
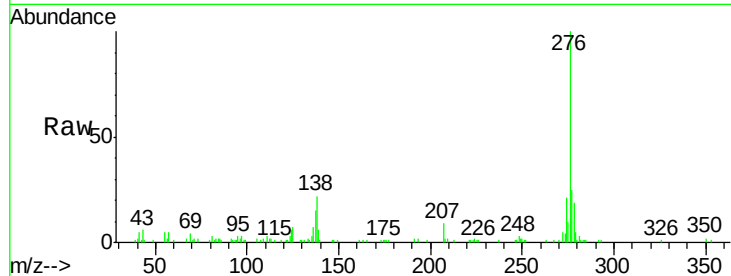




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.28 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF090040.D
 Acq: 8 Sep 2016 22:39

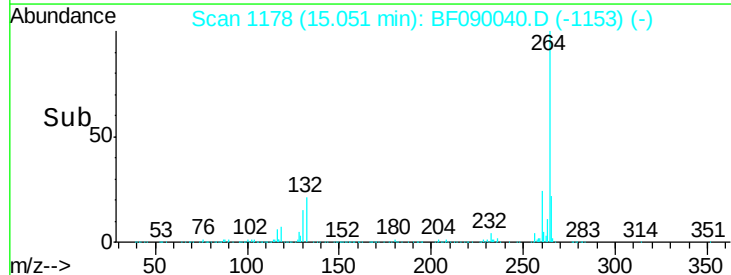
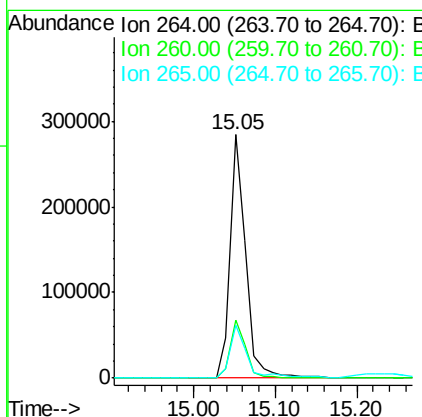
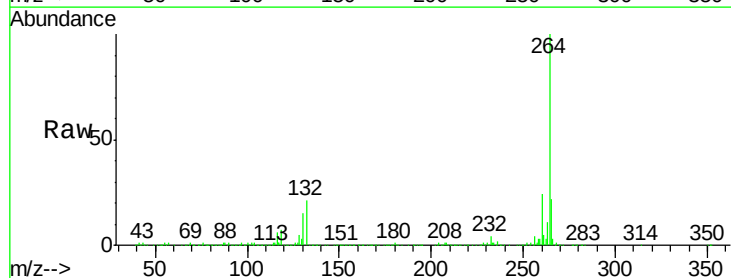
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

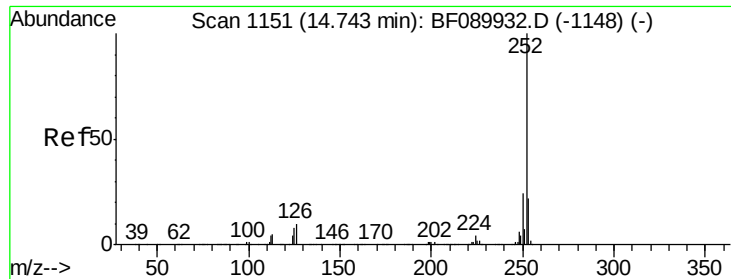
Tgt Ion: 276 Resp: 84482
 Ion Ratio Lower Upper
 276 100
 138 22.7 22.6 34.0
 277 30.9 20.1 30.1#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF090040.D
 Acq: 8 Sep 2016 22:39

Tgt Ion: 264 Resp: 377350
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.0
 265 21.9 17.4 26.2

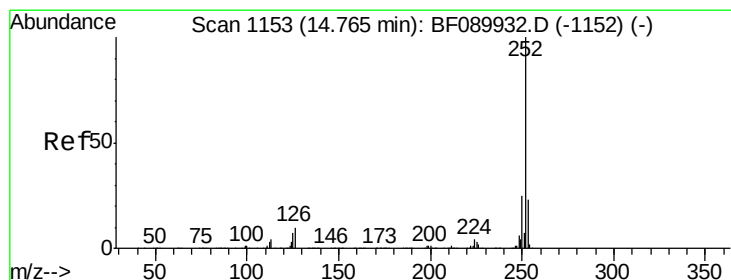
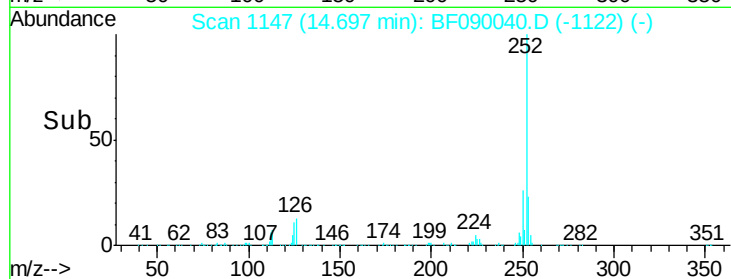
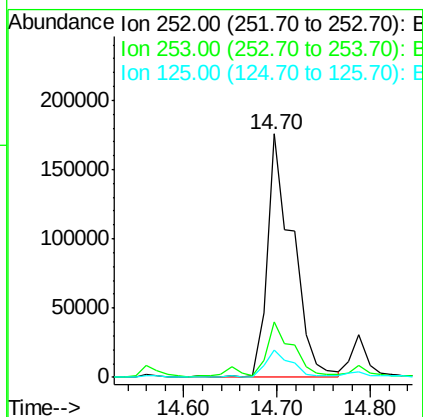
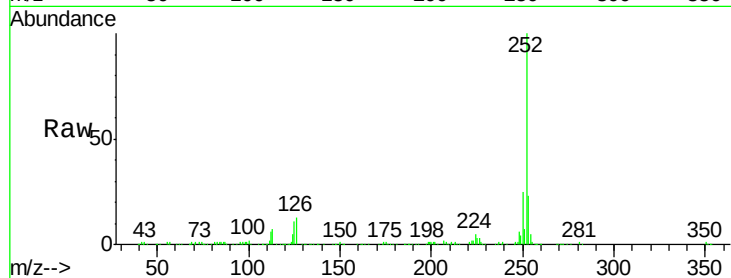




#87
Benzo(b)fluoranthene
Concen: 13.99 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

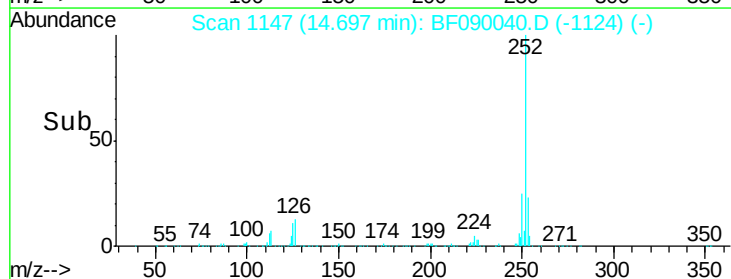
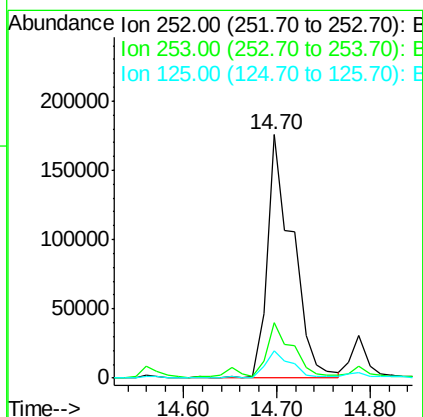
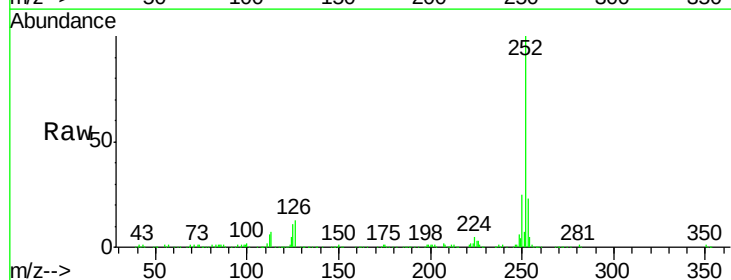
Instrument :
BNA_F
ClientSampleId :
COMP-3

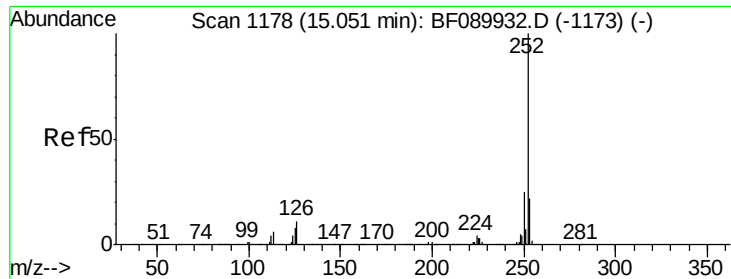
Tgt Ion:252 Resp: 330693
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.1 5.7 8.5#



#88
Benzo(k)fluoranthene
Concen: 16.49 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Tgt Ion:252 Resp: 330693
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.1 7.3 10.9#

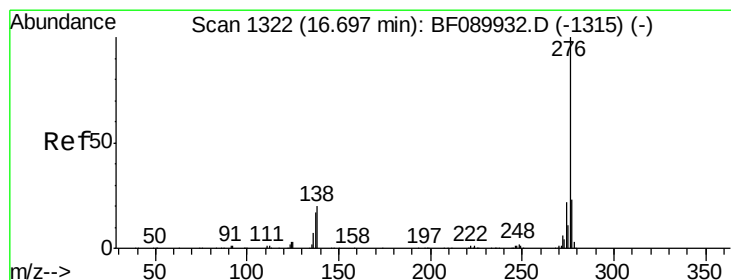
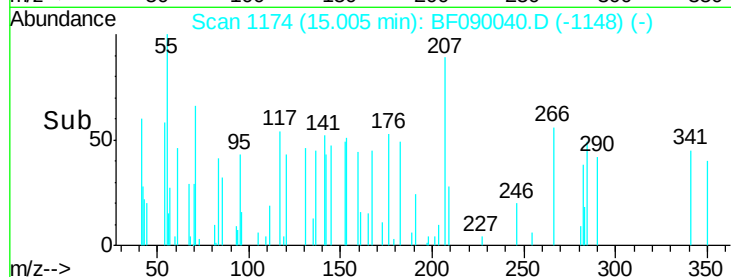
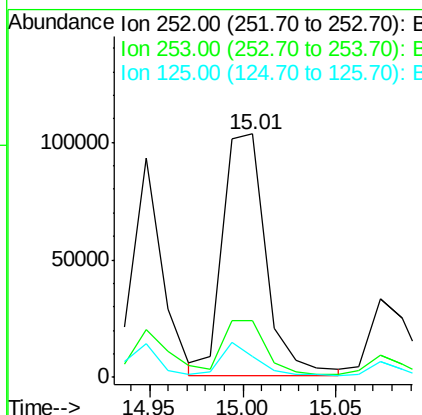
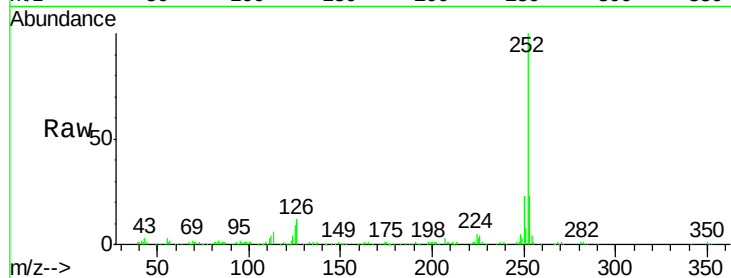




#89
Benzo(a)pyrene
Concen: 8.31 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion: 252 Resp: 168309
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.7 6.3 9.5



#91
Benzo(g,h,i)perylene
Concen: 5.21 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF090040.D
Acq: 8 Sep 2016 22:39

Tgt Ion: 276 Resp: 77858
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 25.6 16.4 24.6#

