

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090477.D
 Acq On : 8 Oct 2016 9:39
 Operator : UM/SJ
 Sample : H5134-02
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MJSB-15(11-13)

Quant Time: Oct 10 00:46:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	233006	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	956712	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	507521	20.00	ng	-0.01
63) Phenanthrene-d10	11.53	188	690446	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	481450	20.00	ng	-0.02
86) Perylene-d12	15.69	264	441631	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1436880	92.04	ng	0.00
7) Phenol-d6	6.62	99	1864253	91.17	ng	0.00
23) Nitrobenzene-d5	7.55	82	1010949	51.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	305525	74.03	ng	-0.02
44) 2-Fluorobiphenyl	9.35	172	1448853	47.56	ng	-0.02
78) Terphenyl-d14	13.11	244	889075	41.52	ng	-0.02

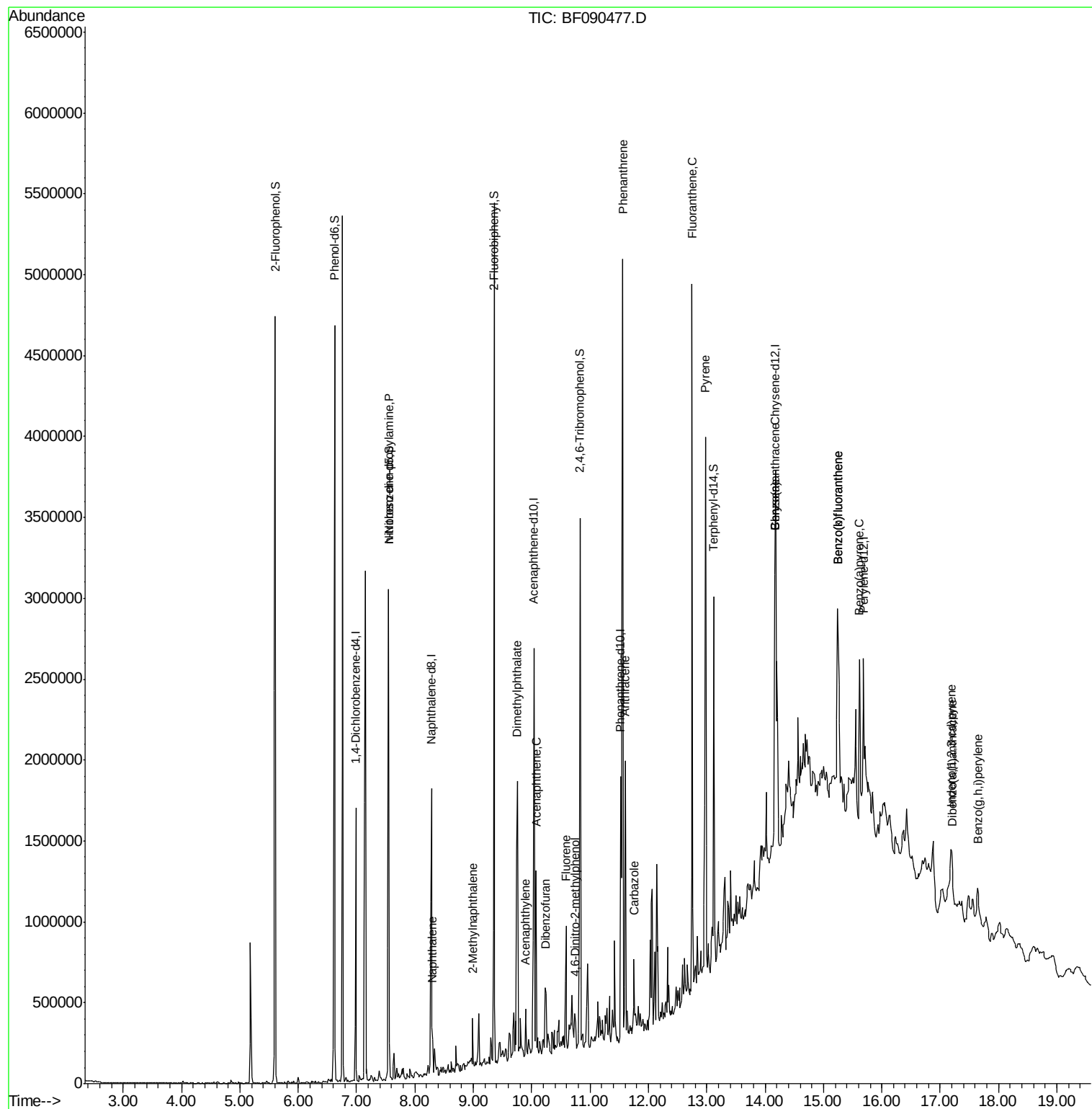
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	142425	9.50	ng	# 64
31) Naphthalene	8.29	128	147376	3.19	ng	97
37) 2-Methylnaphthalene	8.99	142	77798	2.78	ng	98
48) Acenaphthylene	9.89	152	96103	2.10	ng	# 96
49) Dimethylphthalate	9.75	163	855683	26.33	ng	97
51) Acenaphthene	10.07	154	271838	9.51	ng	97
54) Dibenzofuran	10.25	168	180996	4.89	ng	97
57) Fluorene	10.59	166	227752	7.32	ng	100
64) 4,6-Dinitro-2-methylphenol	10.75	198	294	5.49	ng	# 1
70) Phenanthrene	11.56	178	2026273	57.31	ng	98
71) Anthracene	11.61	178	617527	17.10	ng	97
72) Carbazole	11.75	167	148155	4.42	ng	97
74) Fluoranthene	12.75	202	1545770	44.57	ng	99
77) Pyrene	12.98	202	1342979	41.83	ng	99
80) Benzo(a)anthracene	14.17	228	746829	27.65	ng	99
82) Chrysene	14.17	228	746829	30.04	ng	96
85) Indeno(1,2,3-cd)pyrene	17.20	276	174300	9.83	ng	95
87) Benzo(b)fluoranthene	15.24	252	850822	30.25	ng	# 90
88) Benzo(k)fluoranthene	15.24	252	850822	32.20	ng	# 94
89) Benzo(a)pyrene	15.62	252	460517	18.99	ng	# 93
90) Dibenzo(a,h)anthracene	17.21	278	51195	2.48	ng	# 64
91) Benzo(g,h,i)perylene	17.64	276	145489	7.35	ng	# 94

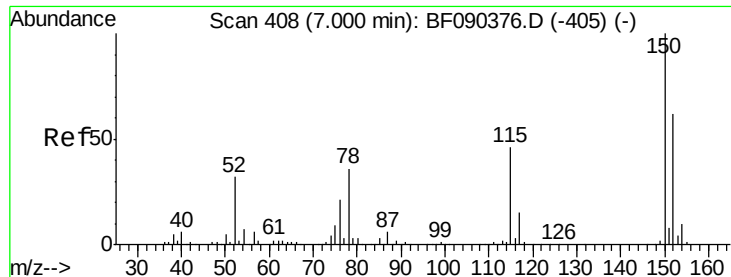
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 05 14:57:00 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.99 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

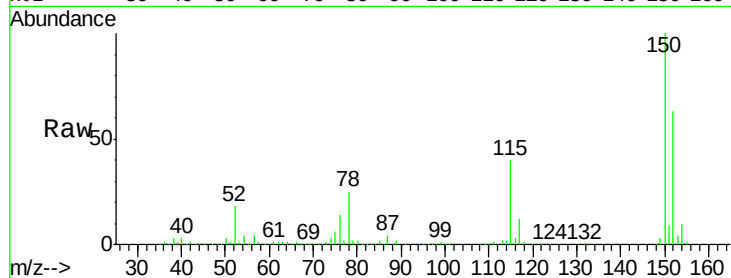
Tgt Ion:152 Resp: 233006

Ion Ratio Lower Upper

152 100

150 157.9 124.6 186.8

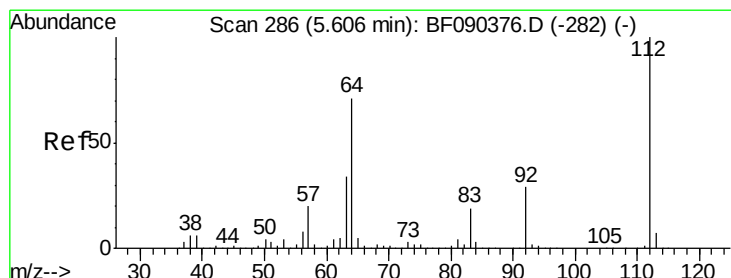
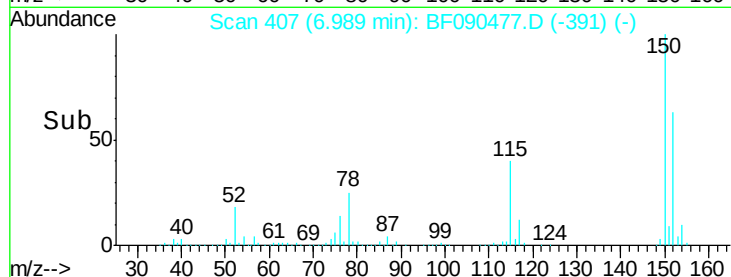
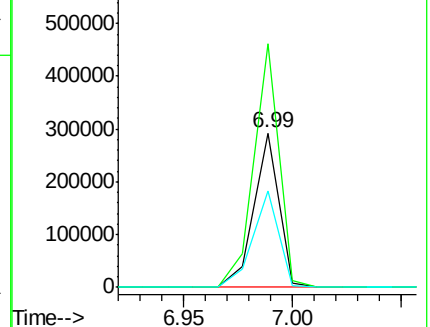
115 62.6 46.2 69.4



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: 92.04 ng

RT: 5.61 min Scan# 286

Delta R.T. 0.00 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

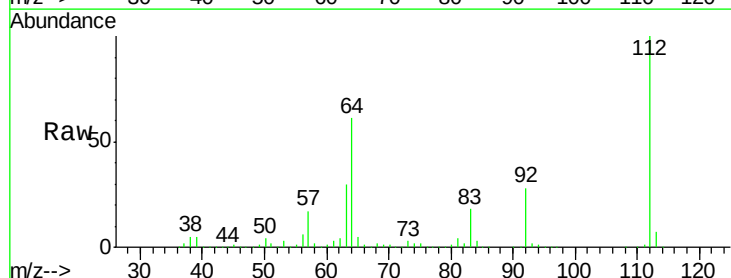
Tgt Ion:112 Resp: 1436880

Ion Ratio Lower Upper

112 100

64 60.9 57.9 86.9

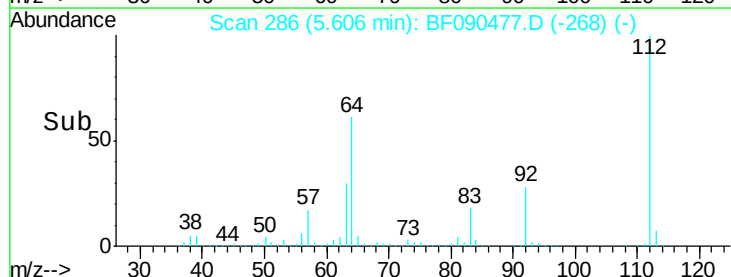
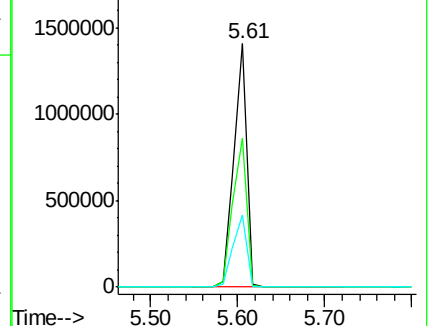
63 29.7 29.6 44.4

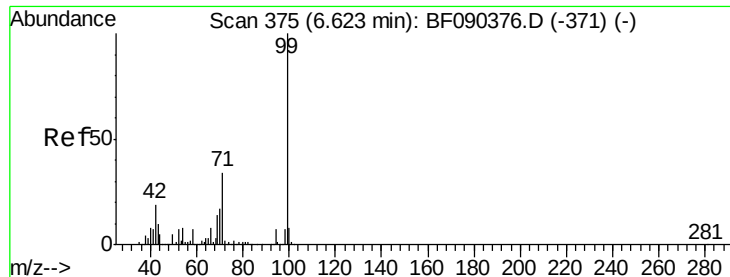


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.17 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

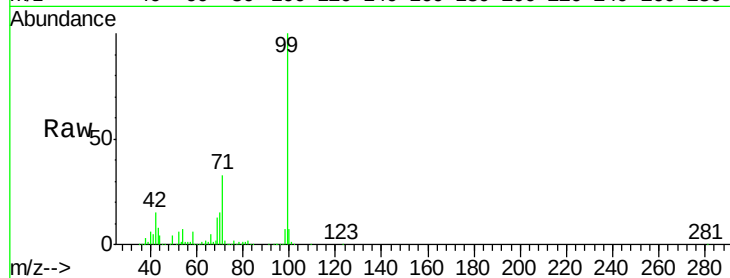
Tgt Ion: 99 Resp: 1864253

Ion Ratio Lower Upper

99 100

42 15.4 20.0 30.0#

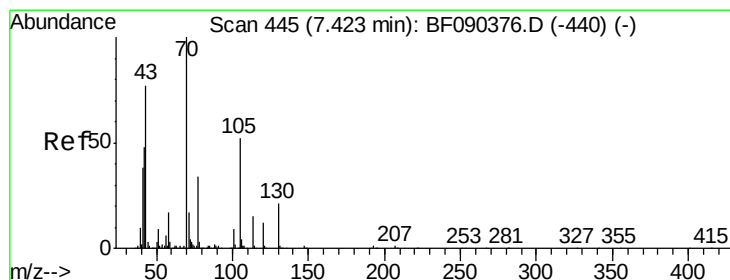
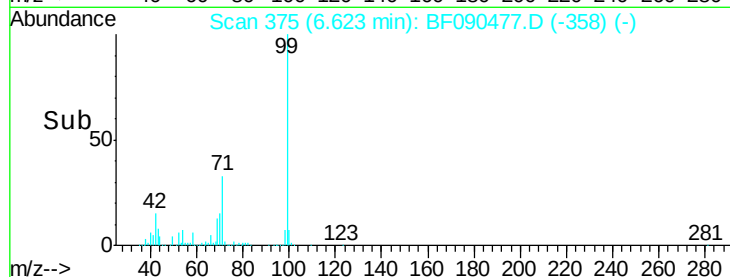
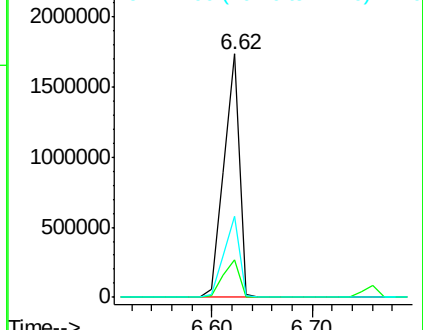
71 33.1 27.9 41.9



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: 9.50 ng

RT: 7.55 min Scan# 456

Delta R.T. 0.13 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Tgt Ion: 70 Resp: 142425

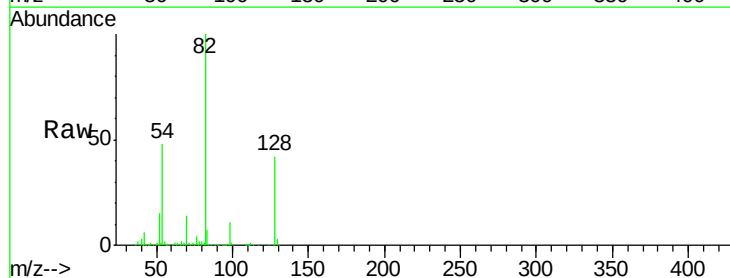
Ion Ratio Lower Upper

70 100

42 39.6 55.4 83.2#

101 0.0 7.6 11.4#

130 2.0 16.5 24.7#

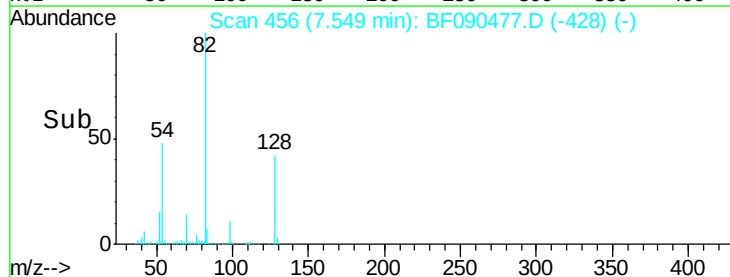
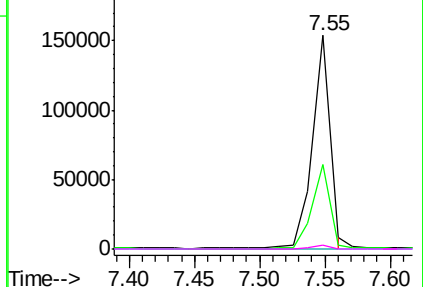


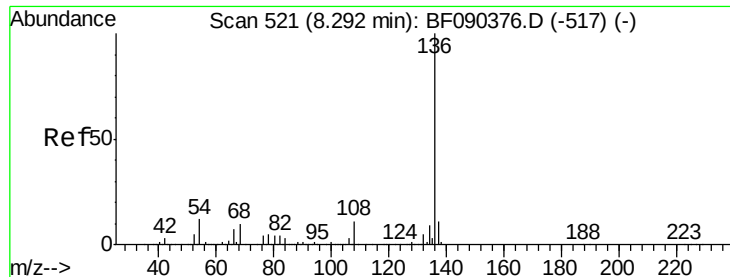
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

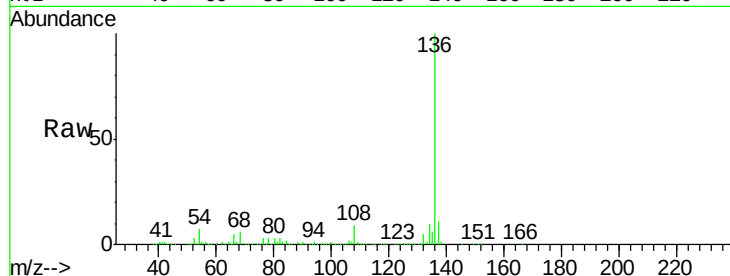




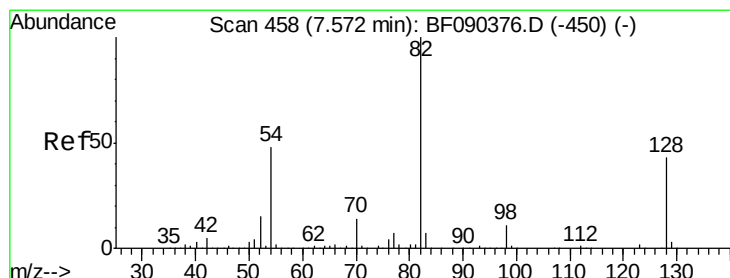
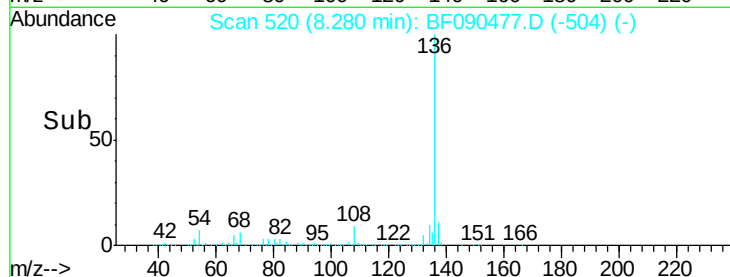
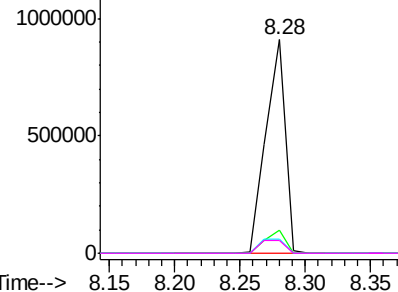
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Instrument :
BNA_F
ClientSampleId :
MJSB-15(11-13)

Tgt Ion:	136	Resp:	956712
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	6.6	6.6	10.0#
68	6.3	5.0	7.6

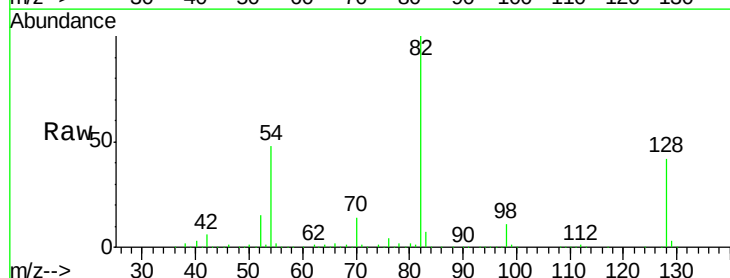


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

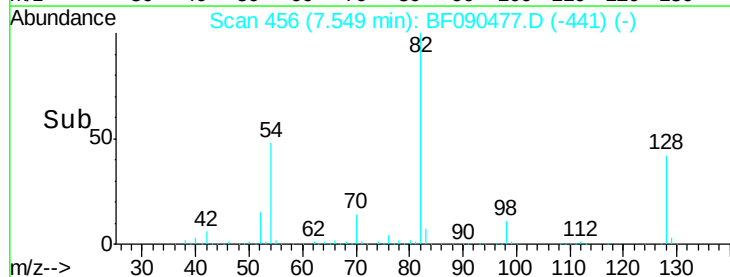
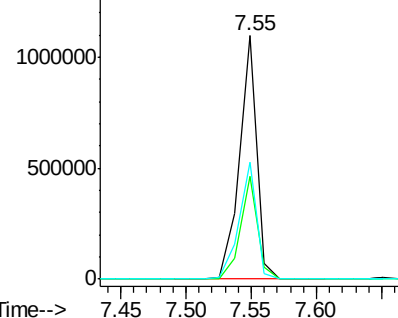


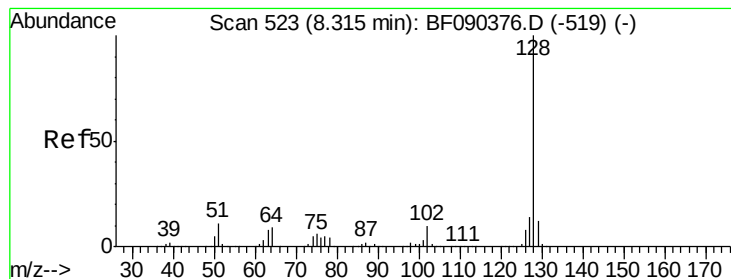
#23
Nitrobenzene-d5
Concen: 51.40 ng
RT: 7.55 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Tgt Ion:	82	Resp:	1010949
Ion	Ratio	Lower	Upper
82	100		
128	42.1	40.0	60.0
54	48.2	42.6	64.0



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





#31

Naphthalene

Concen: 3.19 ng

RT: 8.29 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

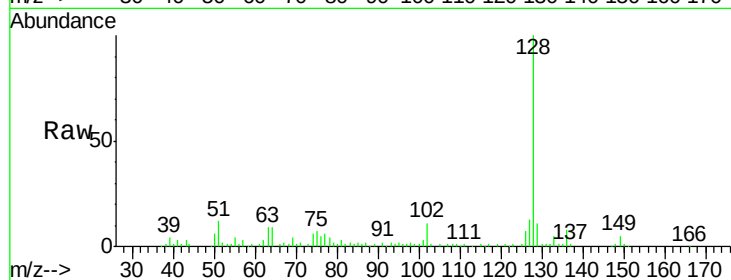
Tgt Ion:128 Resp: 147376

Ion Ratio Lower Upper

128 100

129 11.5 9.7 14.5

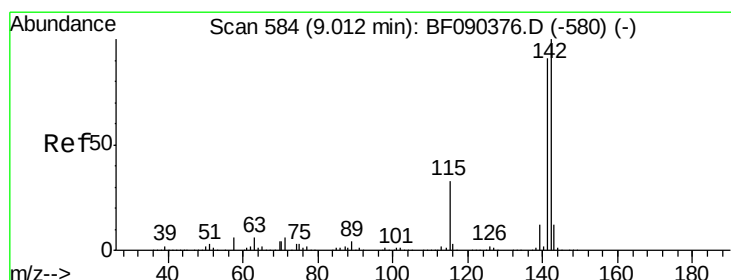
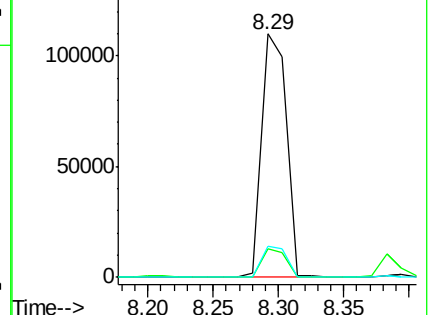
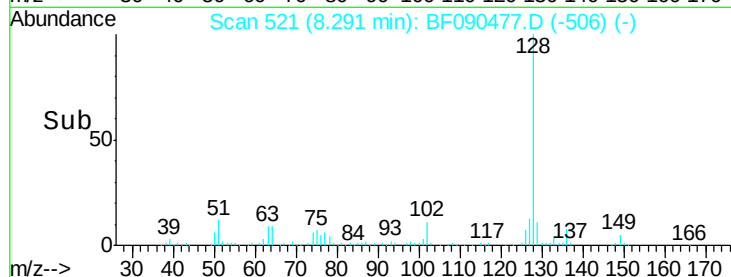
127 13.0 11.7 17.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.78 ng

RT: 8.99 min Scan# 582

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

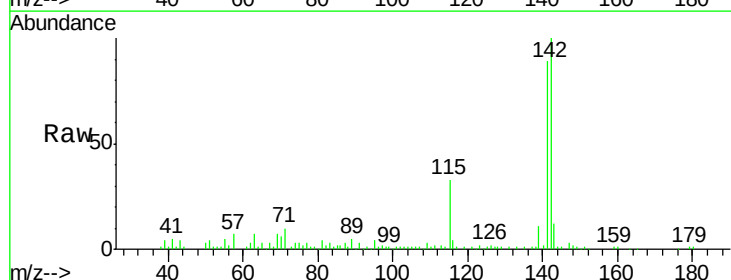
Tgt Ion:142 Resp: 77798

Ion Ratio Lower Upper

142 100

141 89.4 71.8 107.8

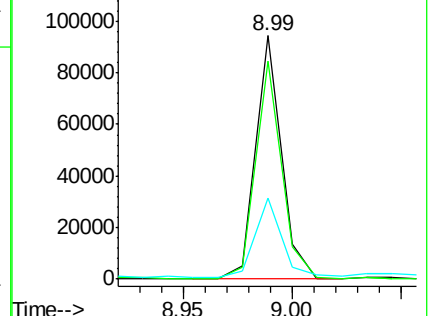
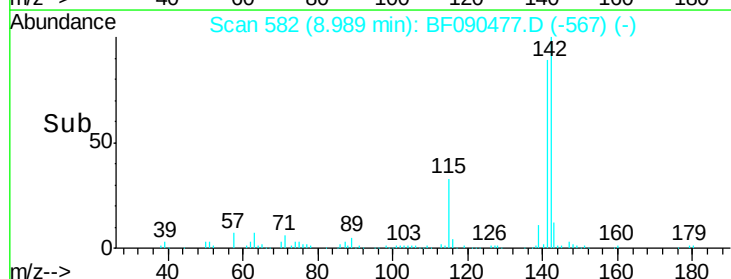
115 33.3 28.8 43.2

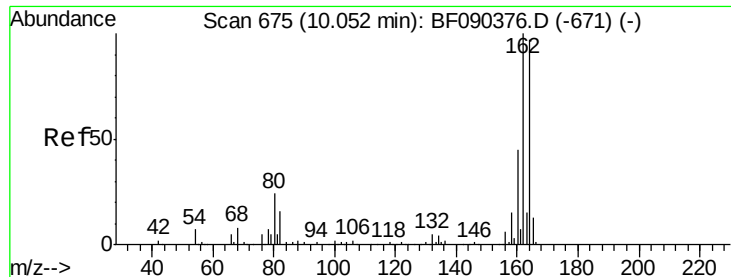


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.04 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

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ClientSampleId :

MJSB-15(11-13)

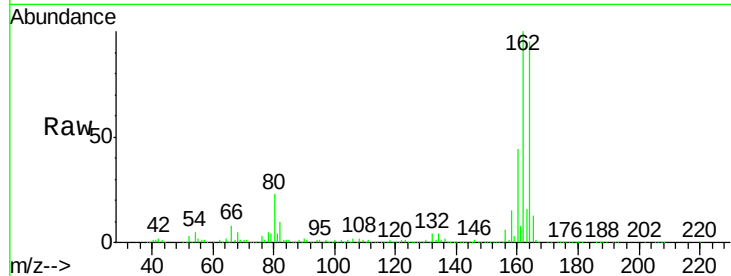
Tgt Ion:164 Resp: 507521

Ion Ratio Lower Upper

164 100

162 105.2 80.1 120.1

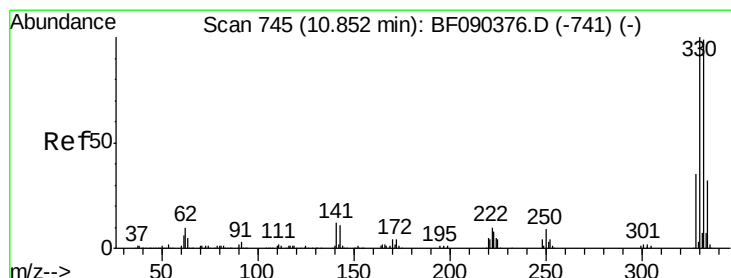
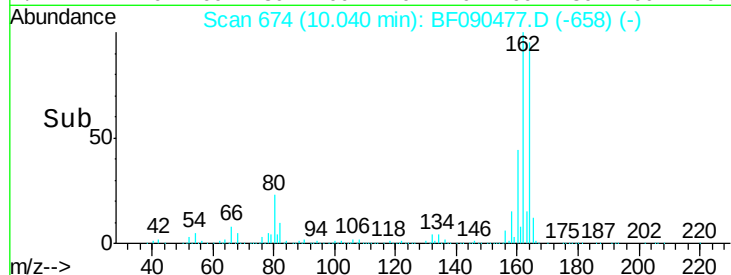
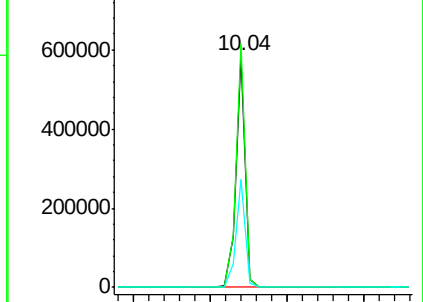
160 46.4 36.3 54.5



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: 74.03 ng

RT: 10.83 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

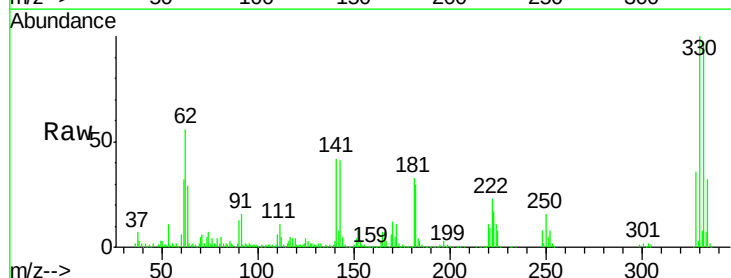
Tgt Ion:330 Resp: 305525

Ion Ratio Lower Upper

330 100

332 97.0 75.4 113.0

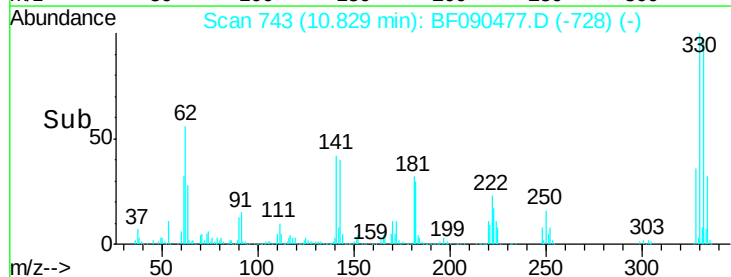
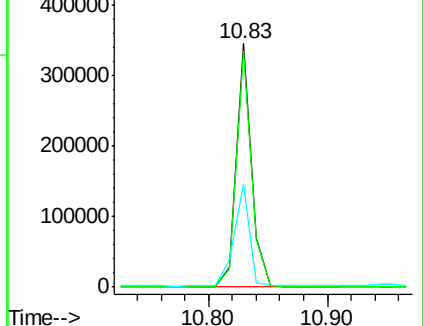
141 43.1 26.9 40.3#

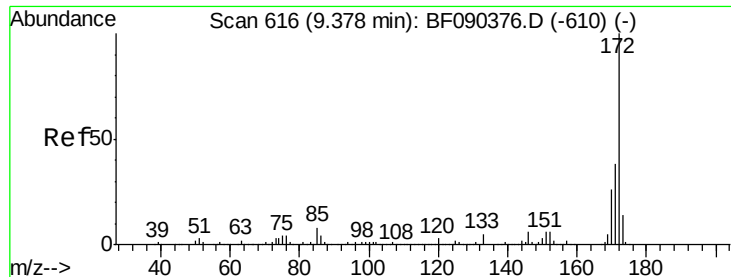


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

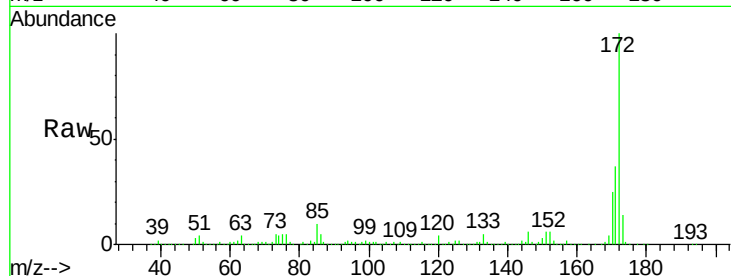




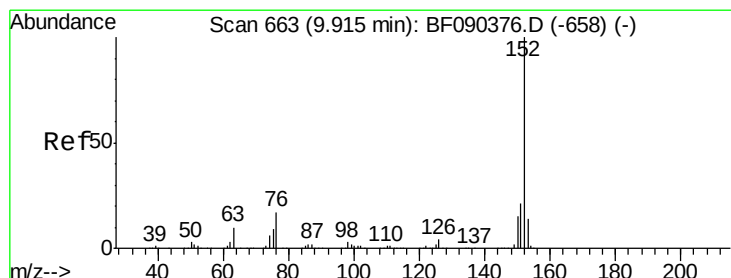
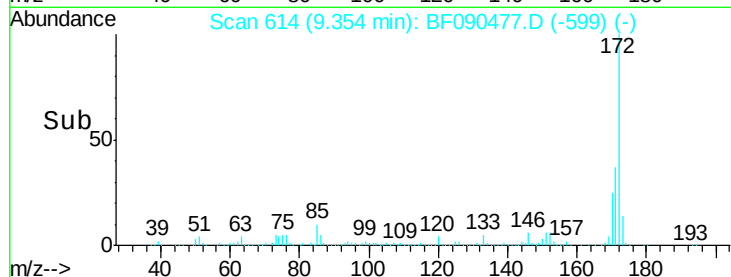
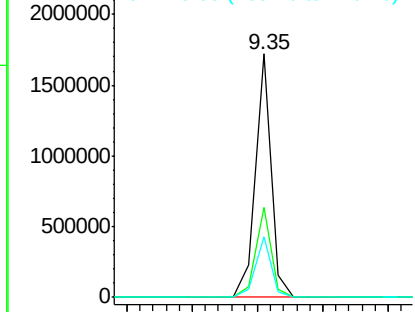
#44
2-Fluorobiphenyl
Concen: 47.56 ng
RT: 9.35 min Scan# 614
Delta R.T. -0.02 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Instrument :
BNA_F
ClientSampleId :
MJSB-15(11-13)

Tgt Ion:172 Resp: 1448853
Ion Ratio Lower Upper
172 100
171 37.0 31.8 47.8
170 25.0 21.7 32.5

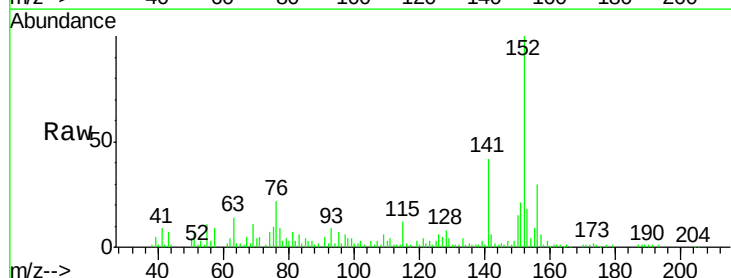


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

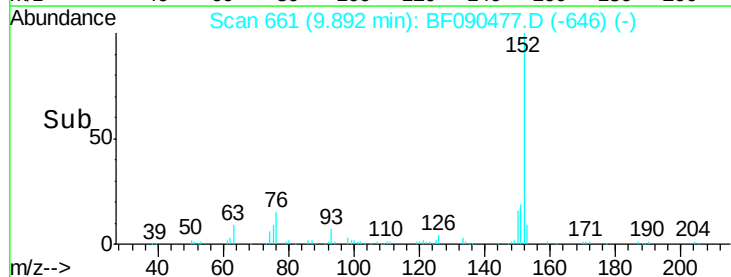
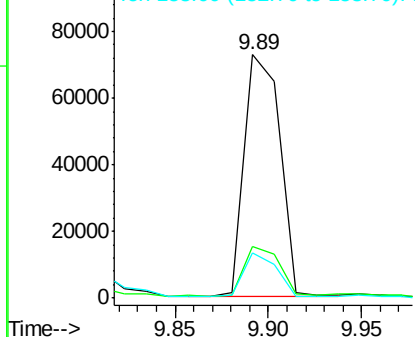


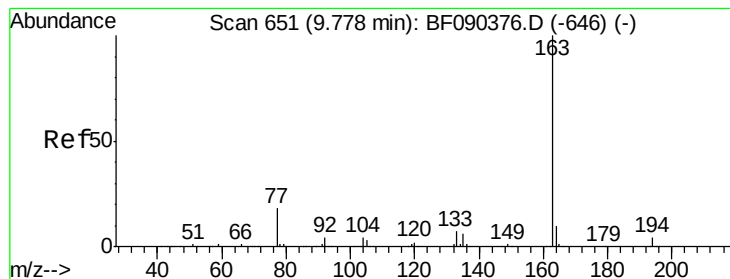
#48
Acenaphthylene
Concen: 2.10 ng
RT: 9.89 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Tgt Ion:152 Resp: 96103
Ion Ratio Lower Upper
152 100
151 21.4 17.4 26.0
153 18.4 11.6 17.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 26.33 ng

RT: 9.75 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

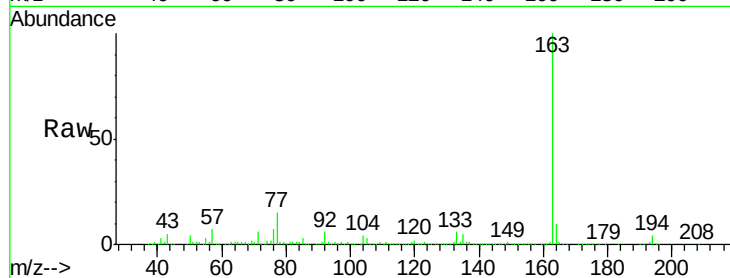
Tgt Ion:163 Resp: 855683

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

164 9.7 9.0 13.4

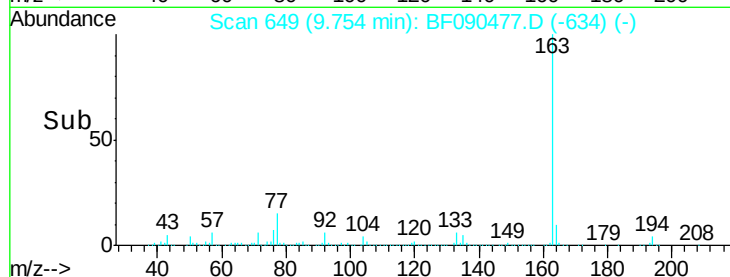


Abundance Ion 163.00 (162.70 to 163.70): E

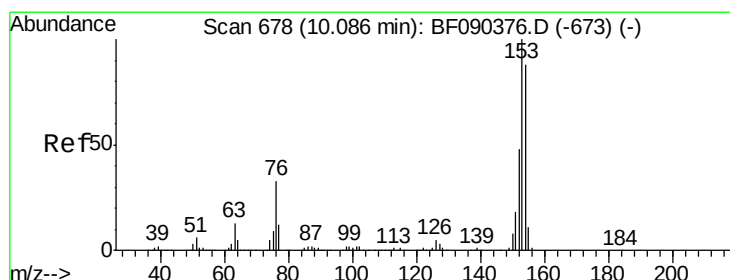
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#51

Acenaphthene

Concen: 9.51 ng

RT: 10.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

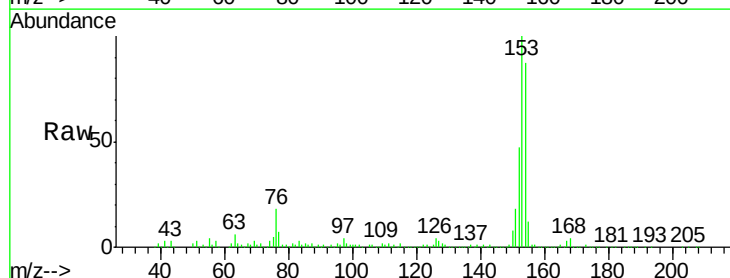
Tgt Ion:154 Resp: 271838

Ion Ratio Lower Upper

154 100

153 114.4 88.6 133.0

152 53.8 42.6 64.0

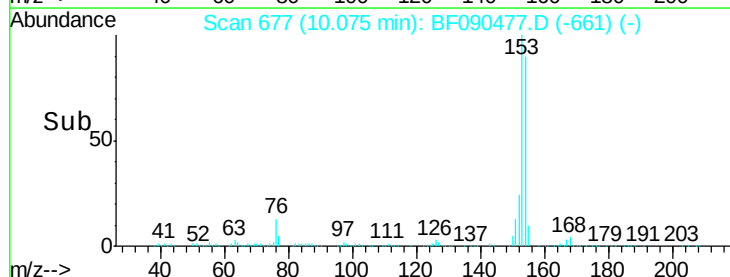


Abundance Ion 154.00 (153.70 to 154.70): E

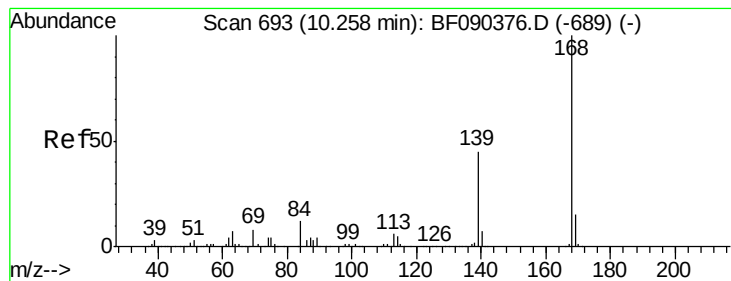
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



#54

Dibenzofuran

Concen: 4.89 ng

RT: 10.25 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

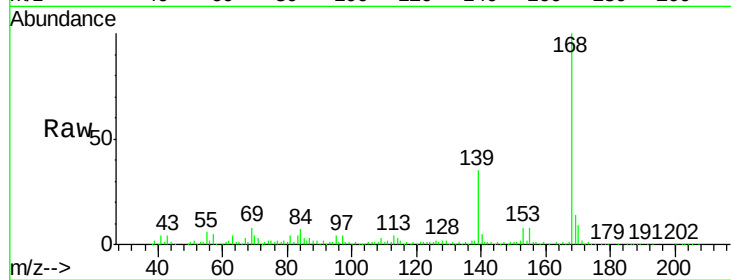
Tgt Ion:168 Resp: 180996

Ion Ratio Lower Upper

168 100

139 34.6 29.6 44.4

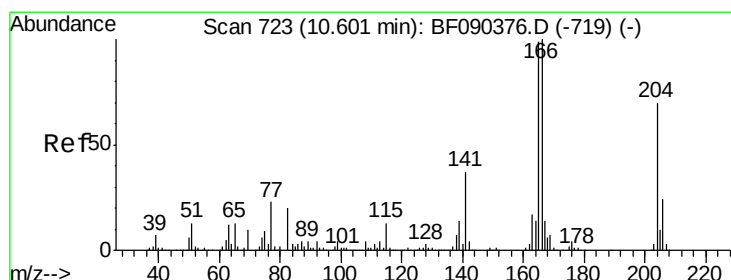
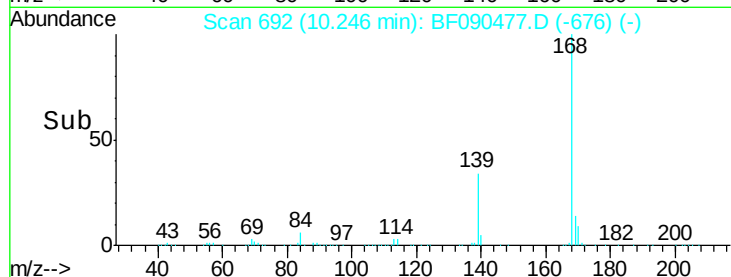
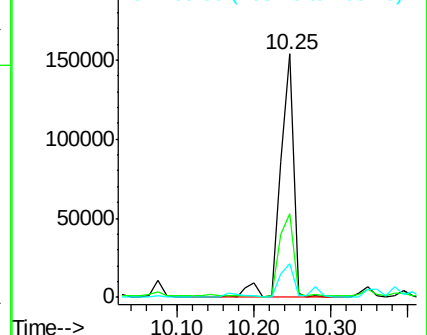
169 13.7 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 7.32 ng

RT: 10.59 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

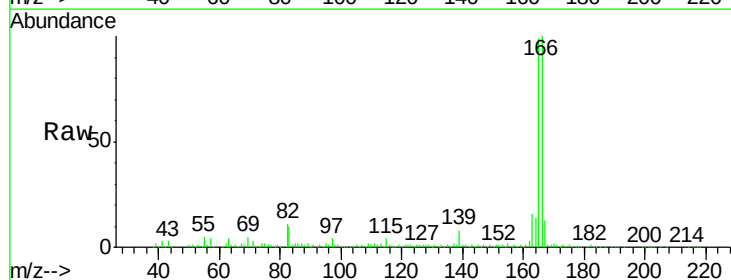
Tgt Ion:166 Resp: 227752

Ion Ratio Lower Upper

166 100

165 98.9 79.2 118.8

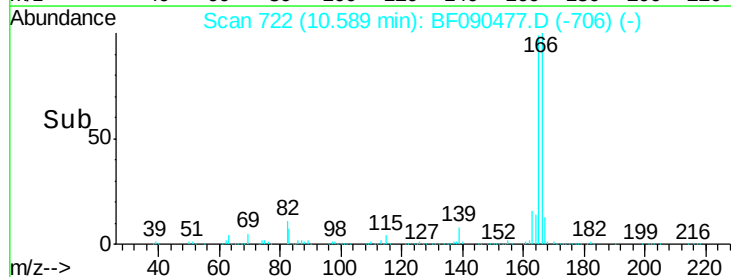
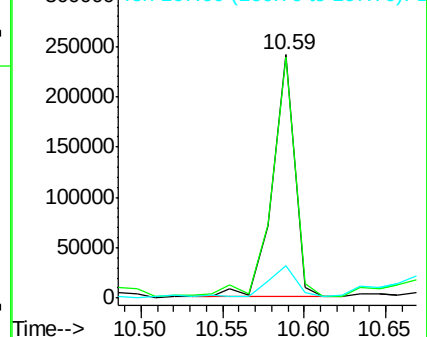
167 13.3 11.1 16.7

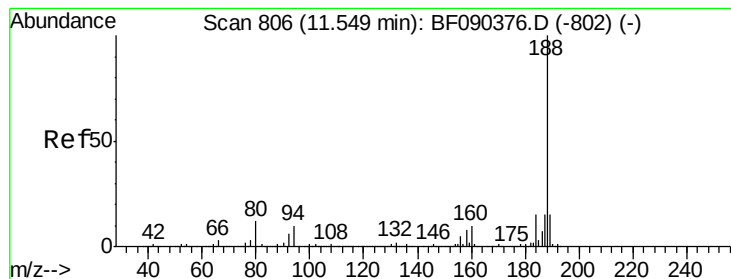


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.53 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

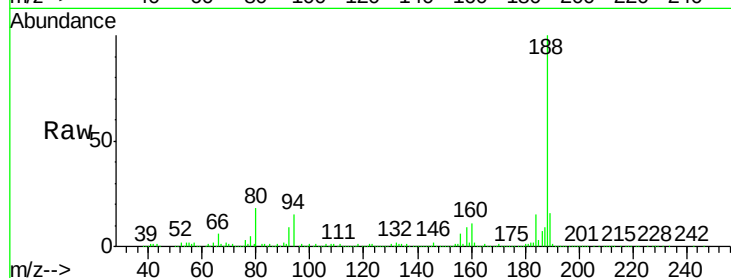
Tgt Ion:188 Resp: 690446

Ion Ratio Lower Upper

188 100

94 15.4 8.2 12.2#

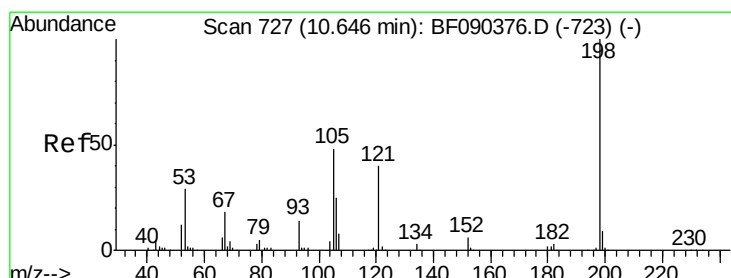
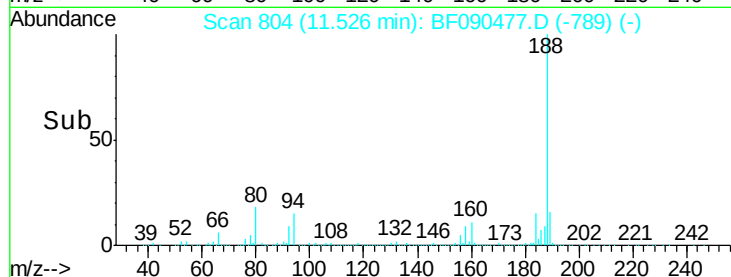
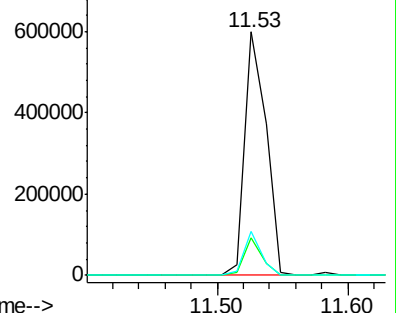
80 18.0 8.8 13.2#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.49 ng

RT: 10.75 min Scan# 736

Delta R.T. 0.10 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

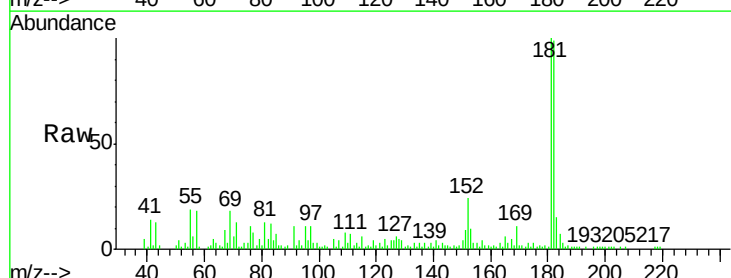
Tgt Ion:198 Resp: 294

Ion Ratio Lower Upper

198 100

51 433.3 67.3 107.3#

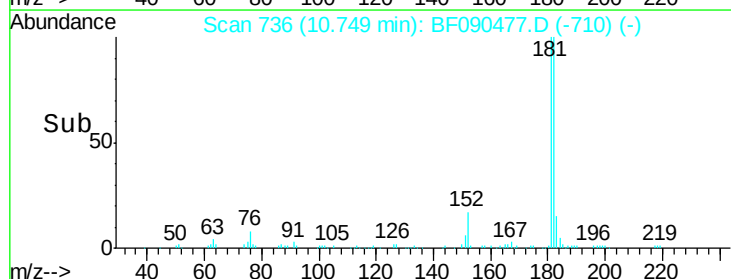
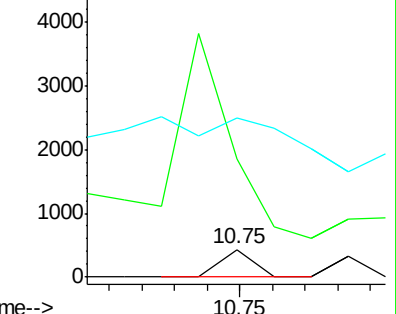
105 581.4 42.6 82.6#

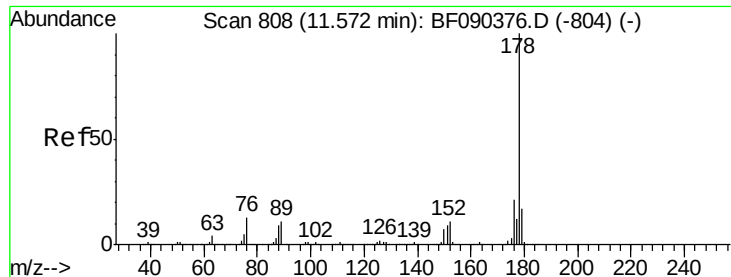


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

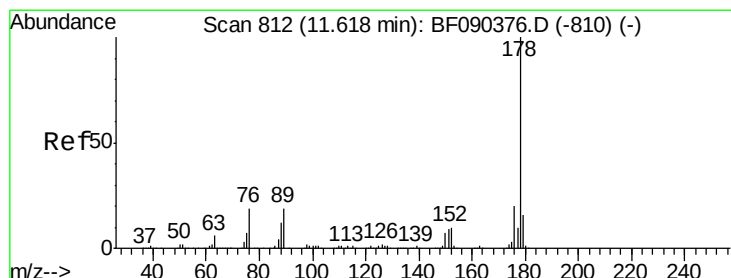
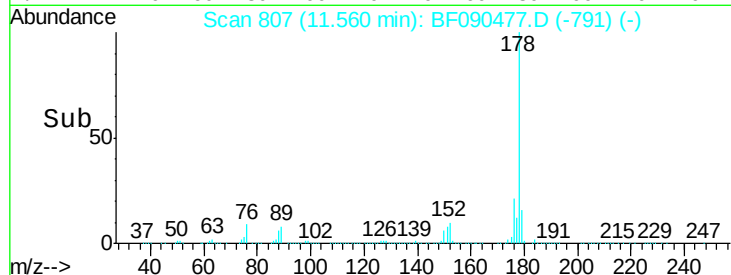
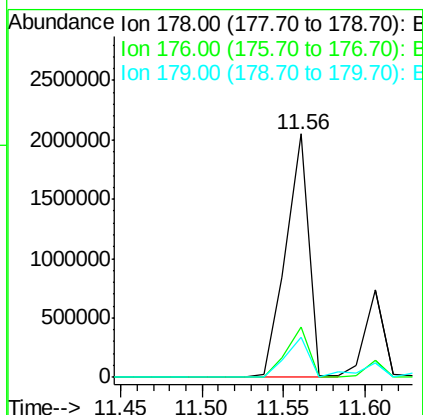
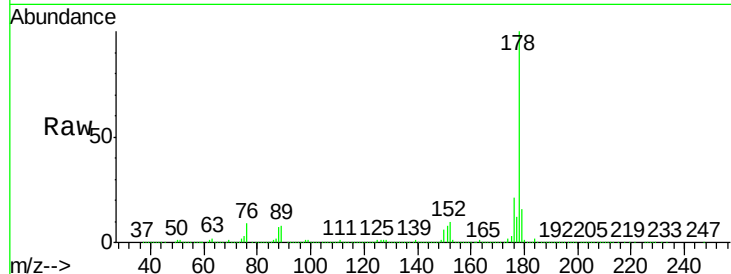




#70
Phenanthrene
Concen: 57.31 ng
RT: 11.56 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

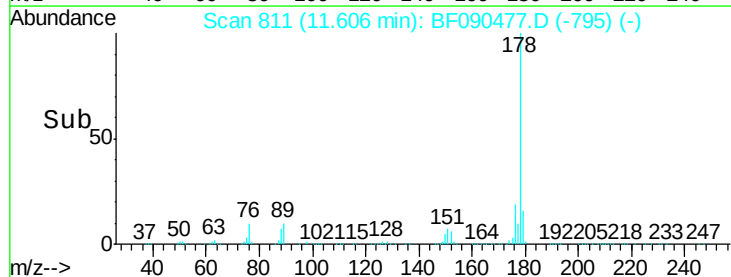
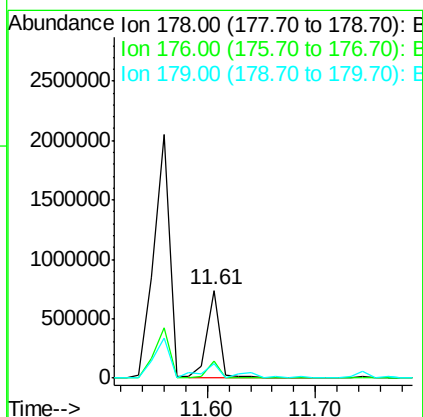
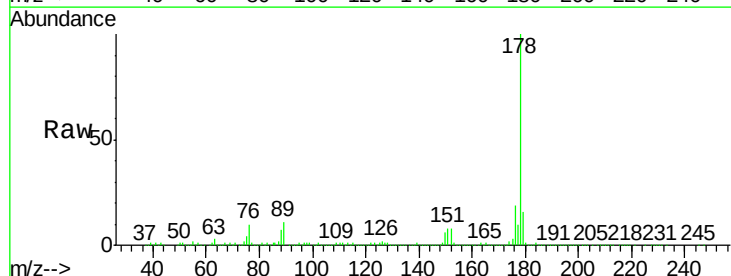
Instrument :
BNA_F
ClientSampleId :
MJSB-15(11-13)

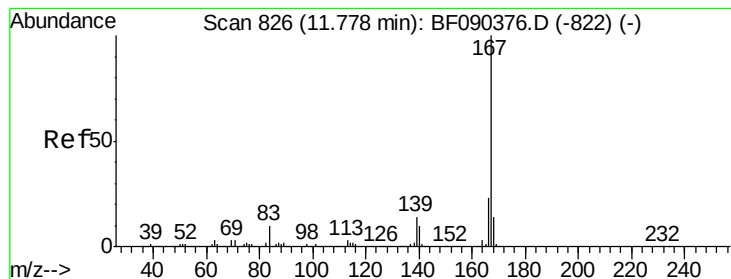
Tgt Ion:178 Resp: 2026273
Ion Ratio Lower Upper
178 100
176 20.7 17.3 25.9
179 16.4 13.8 20.6



#71
Anthracene
Concen: 17.10 ng
RT: 11.61 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Tgt Ion:178 Resp: 617527
Ion Ratio Lower Upper
178 100
176 19.1 16.8 25.2
179 15.9 13.4 20.2





#72

Carbazole

Concen: 4.42 ng

RT: 11.75 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

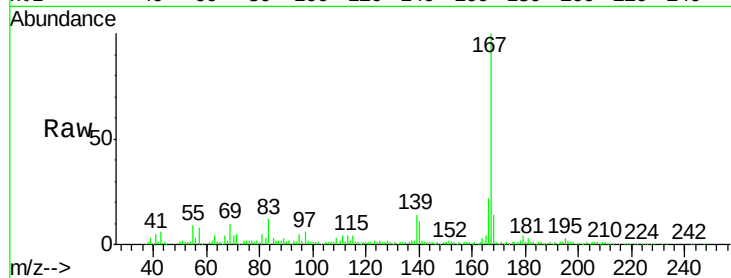
Tgt Ion:167 Resp: 148155

Ion Ratio Lower Upper

167 100

166 22.4 19.1 28.7

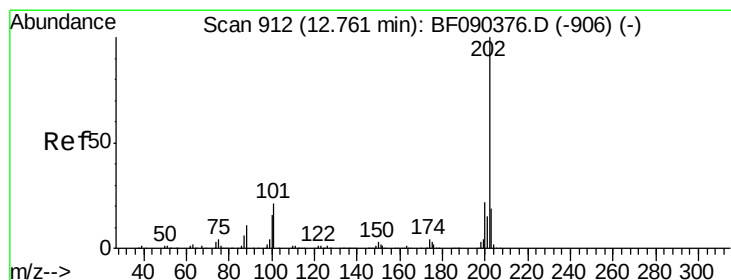
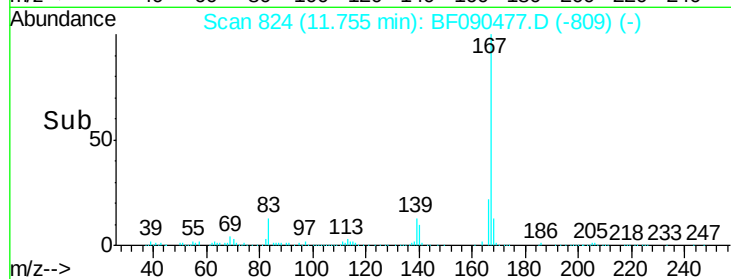
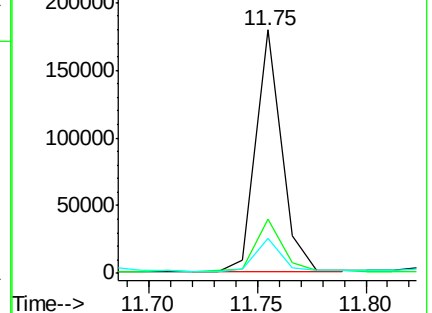
139 14.2 12.1 18.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 44.57 ng

RT: 12.75 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

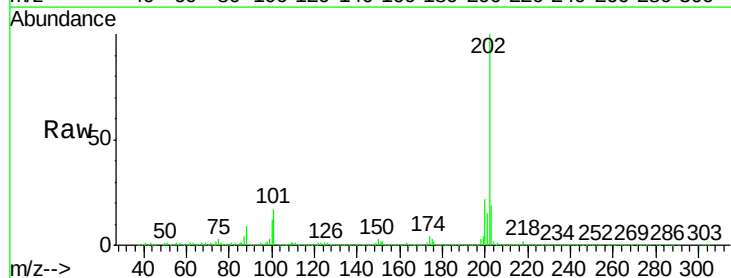
Tgt Ion:202 Resp: 1545770

Ion Ratio Lower Upper

202 100

101 16.5 0.0 37.2

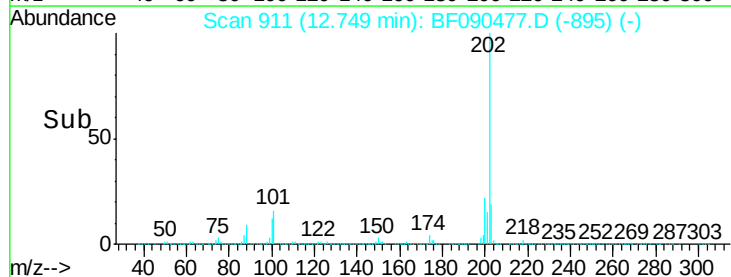
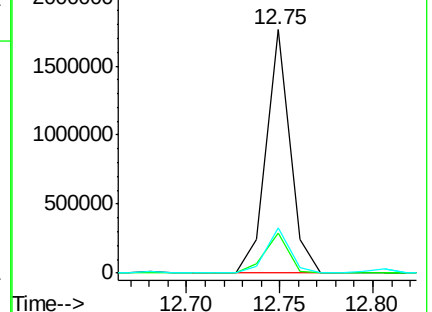
203 18.8 0.0 39.3

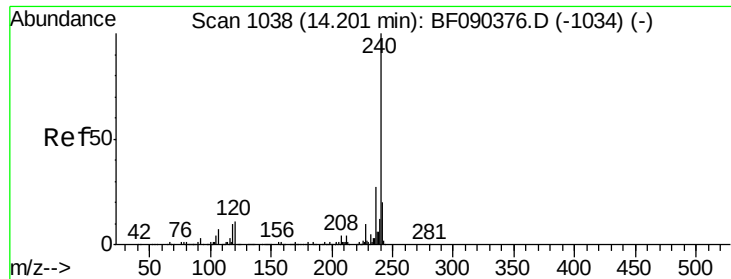


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

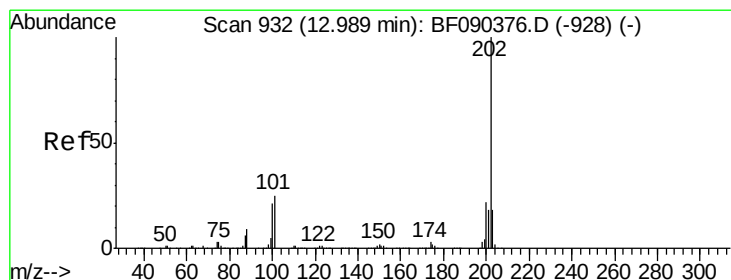
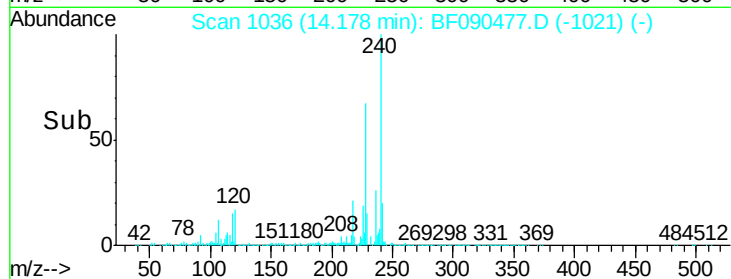
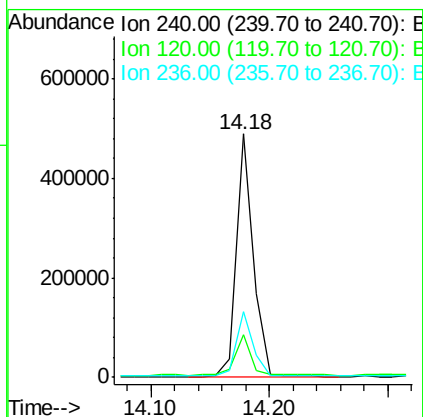
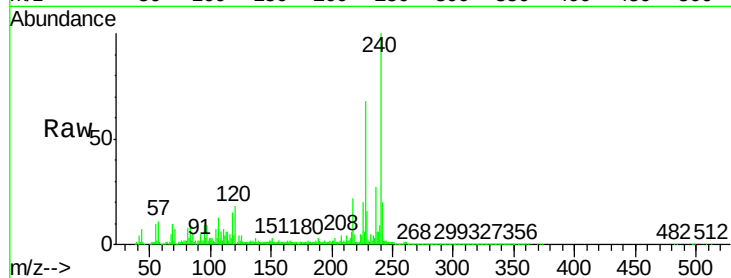




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

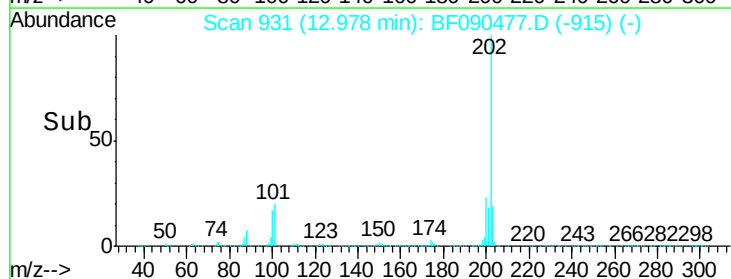
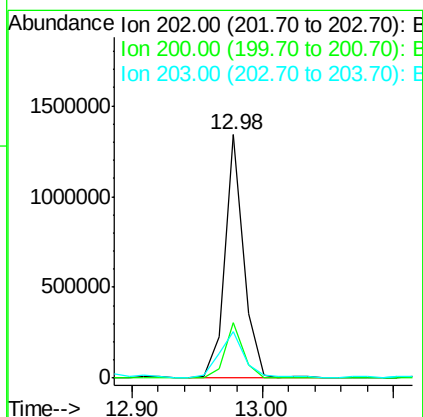
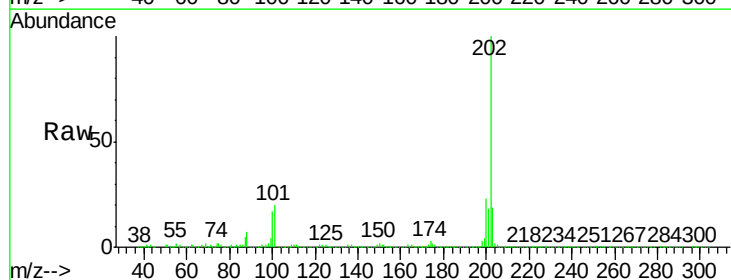
Instrument :
BNA_F
ClientSampleId :
MJSB-15(11-13)

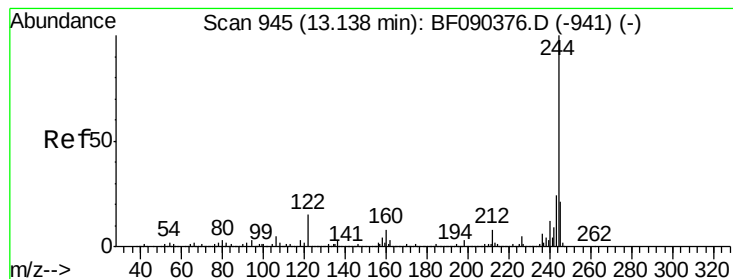
Tgt Ion:240 Resp: 481450
Ion Ratio Lower Upper
240 100
120 17.6 8.6 13.0#
236 26.9 21.6 32.4



#77
Pyrene
Concen: 41.83 ng
RT: 12.98 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Tgt Ion:202 Resp: 1342979
Ion Ratio Lower Upper
202 100
200 22.7 18.5 27.7
203 19.3 15.0 22.6





#78

Terphenyl-d14

Concen: 41.52 ng

RT: 13.11 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

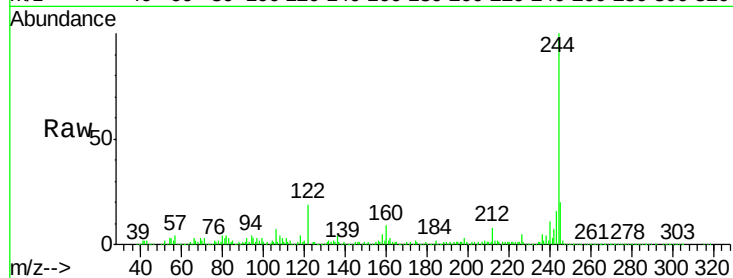
Tgt Ion:244 Resp: 889075

Ion Ratio Lower Upper

244 100

212 7.5 6.8 10.2

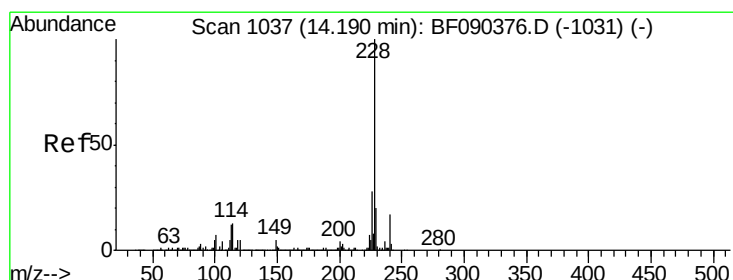
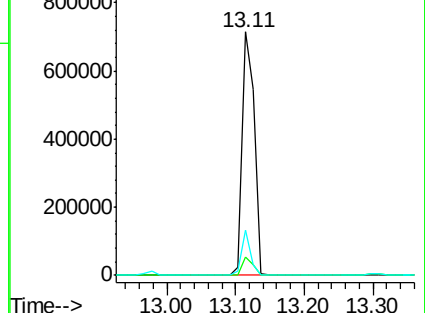
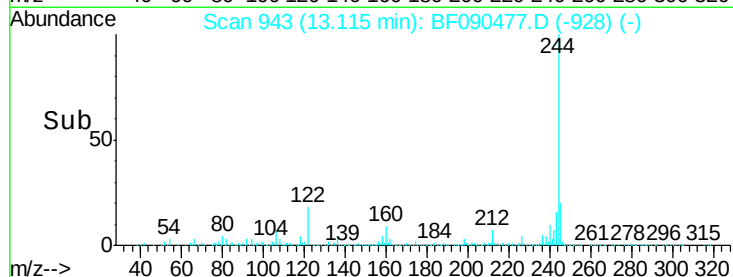
122 18.7 13.3 19.9



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: 27.65 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

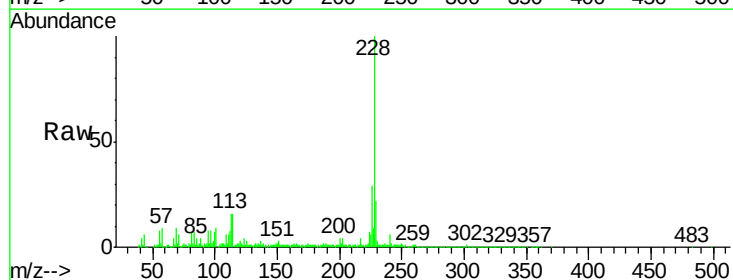
Tgt Ion:228 Resp: 746829

Ion Ratio Lower Upper

228 100

226 29.5 23.6 35.4

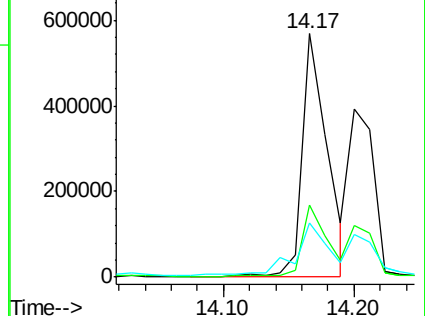
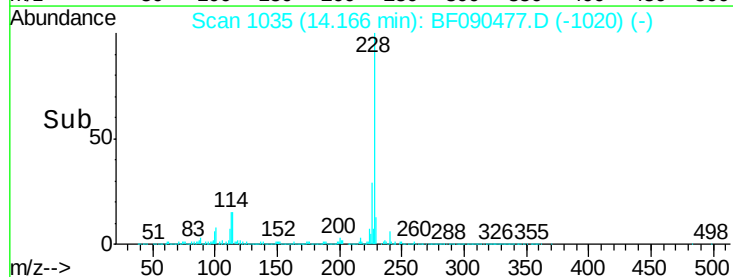
229 22.1 16.6 25.0

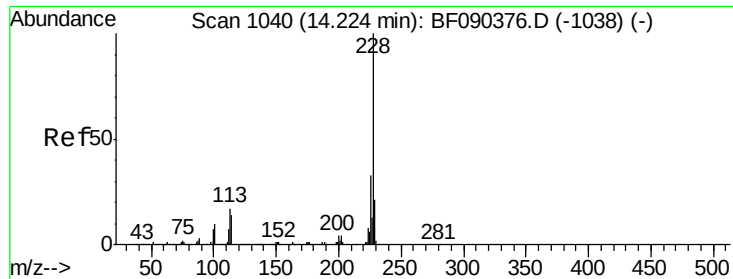


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 30.04 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

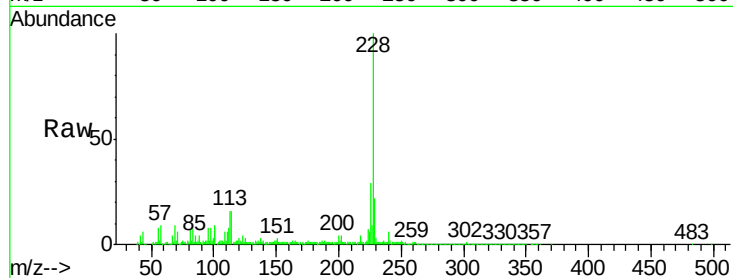
Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

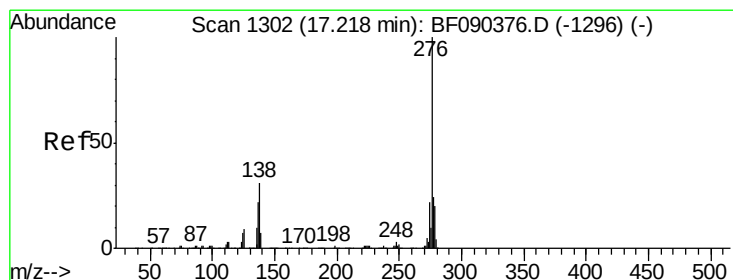
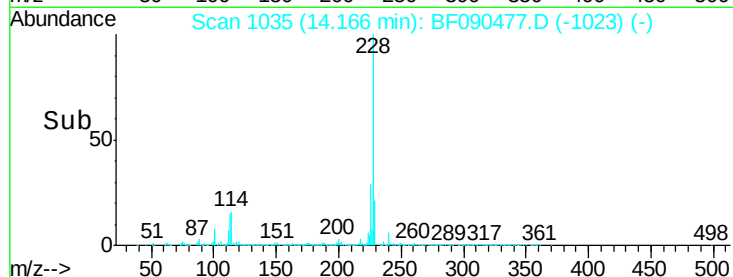
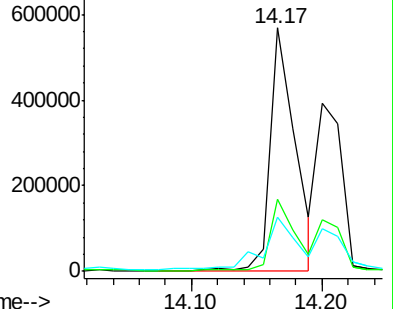
Tgt Ion:	228	Resp:	746829
Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.8	38.6
229	22.1	16.9	25.3



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: 9.83 ng

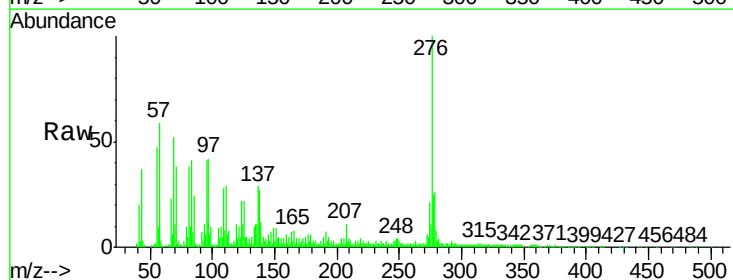
RT: 17.20 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

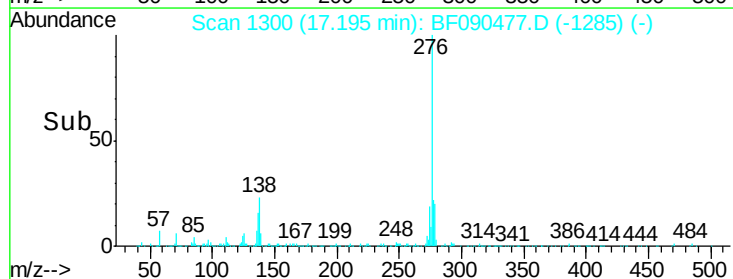
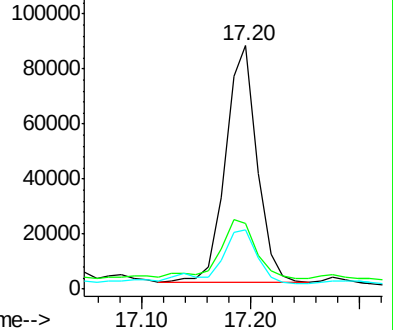
Tgt Ion:	276	Resp:	174300
Ion	Ratio	Lower	Upper
276	100		
138	30.8	23.8	35.8
277	30.2	20.4	30.6

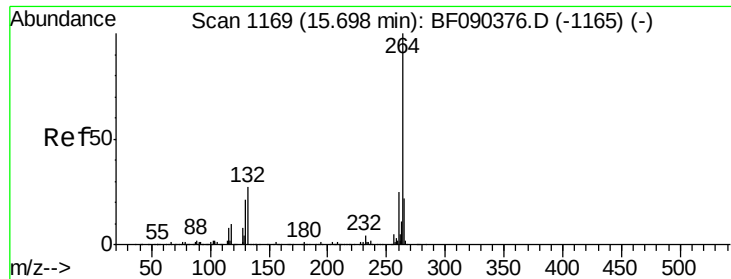


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

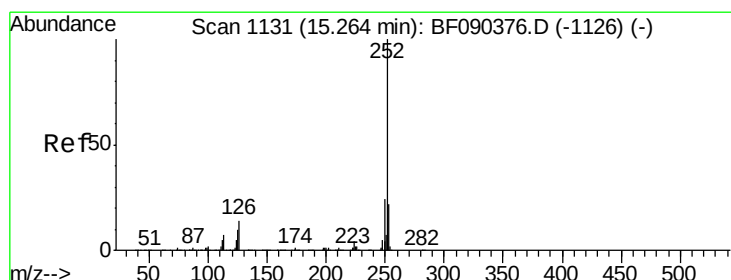
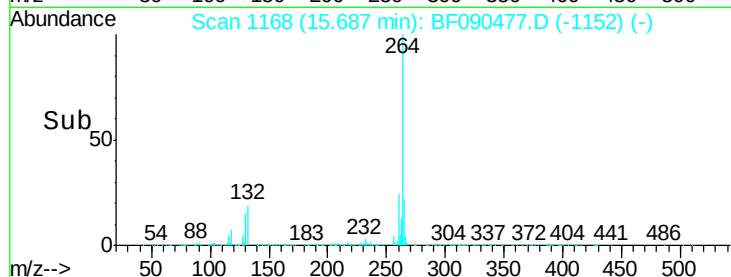
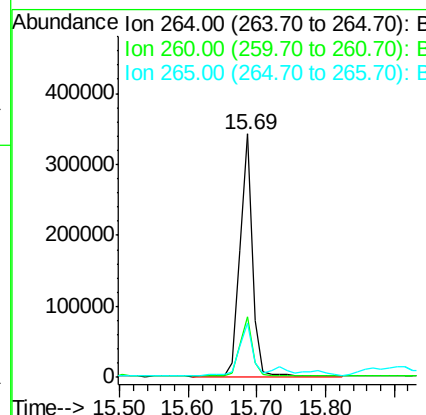
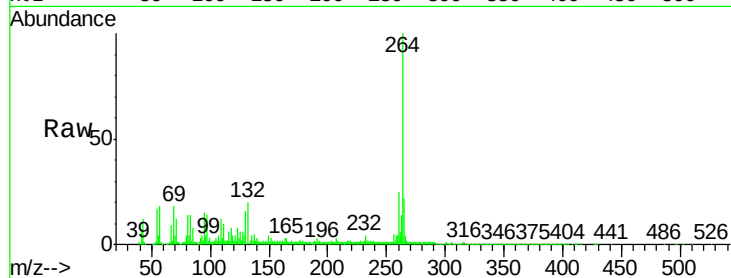




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

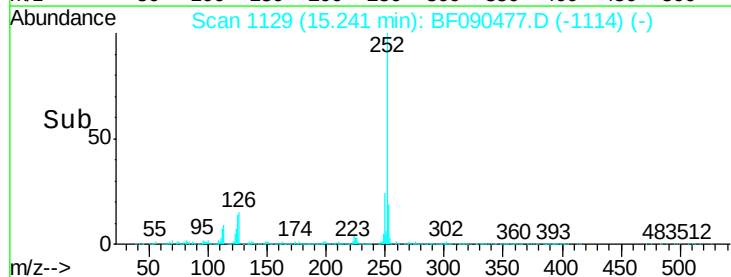
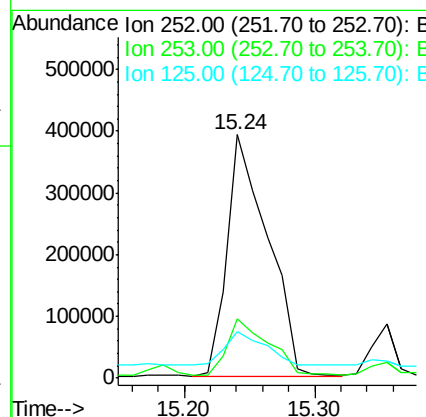
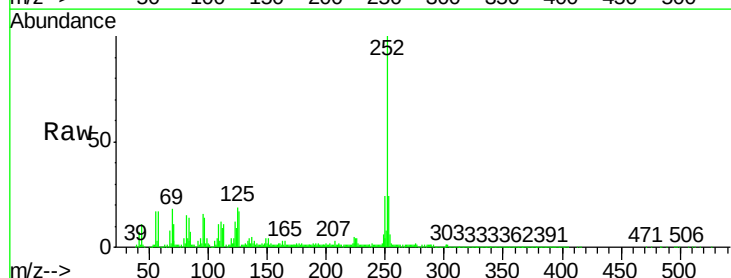
Instrument :
BNA_F
ClientSampleId :
MJSB-15(11-13)

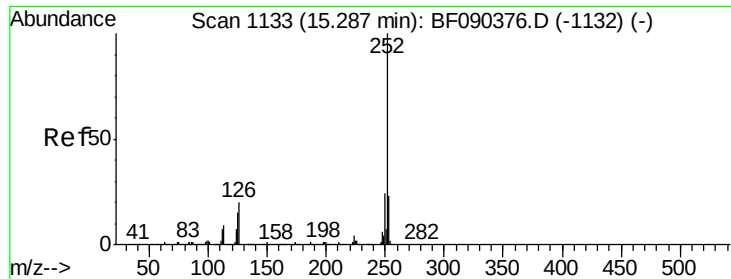
Tgt Ion: 264 Resp: 441631
Ion Ratio Lower Upper
264 100
260 24.6 19.3 28.9
265 22.4 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 30.25 ng
RT: 15.24 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Tgt Ion: 252 Resp: 850822
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 19.0 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 32.20 ng

RT: 15.24 min Scan# 1129

Delta R.T. -0.05 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

Instrument :

BNA_F

ClientSampleId :

MJSB-15(11-13)

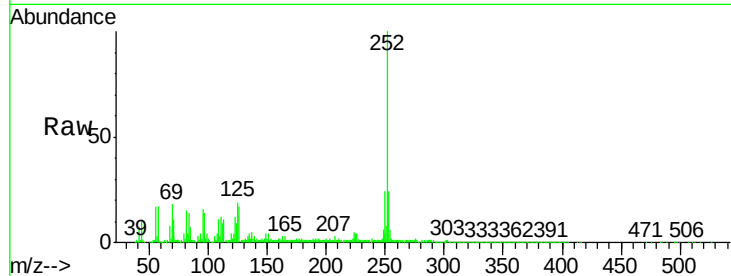
Tgt Ion:252 Resp: 850822

Ion Ratio Lower Upper

252 100

253 24.4 18.6 27.8

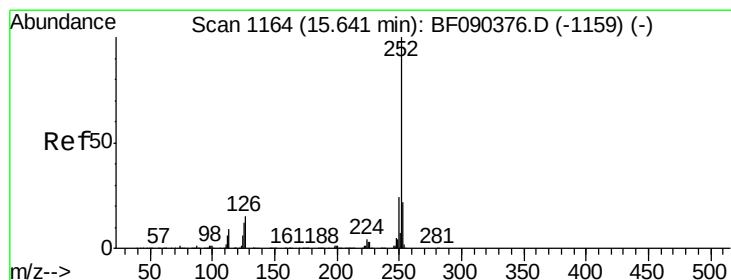
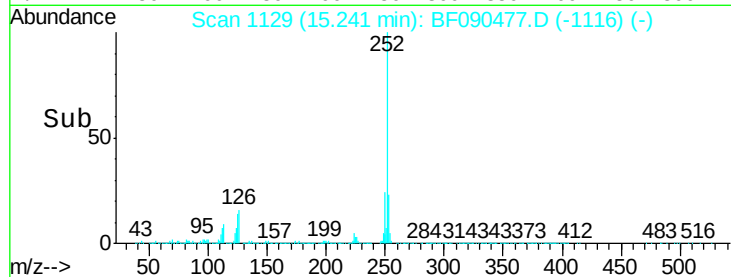
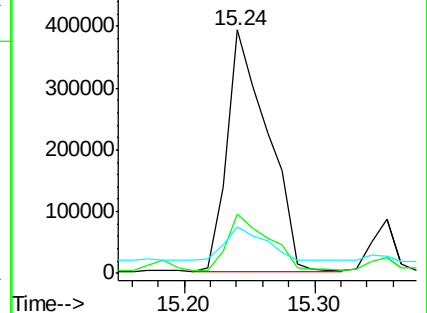
125 19.0 11.7 17.5#



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: 18.99 ng

RT: 15.62 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF090477.D

Acq: 8 Oct 2016 9:39

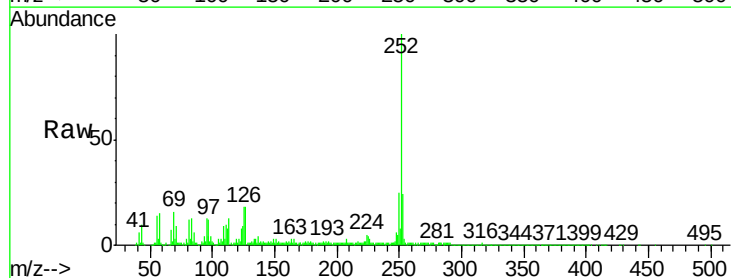
Tgt Ion:252 Resp: 460517

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.4

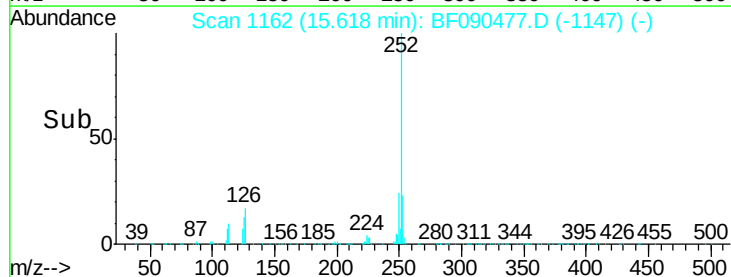
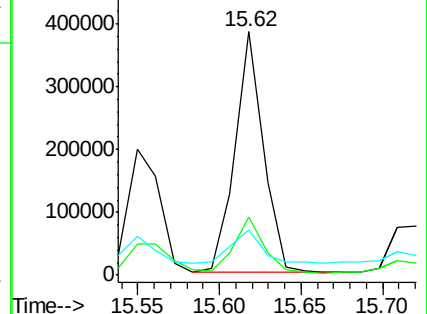
125 18.4 9.8 14.8#

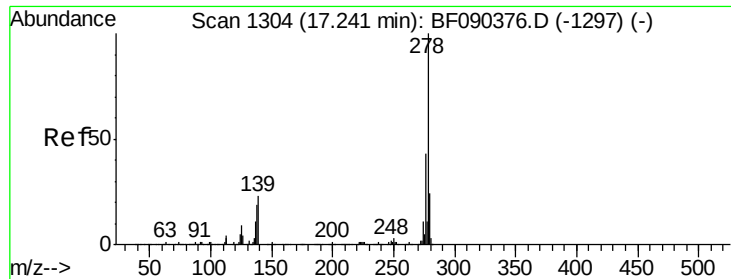


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

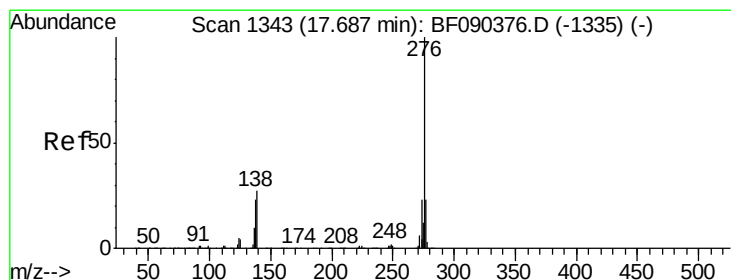
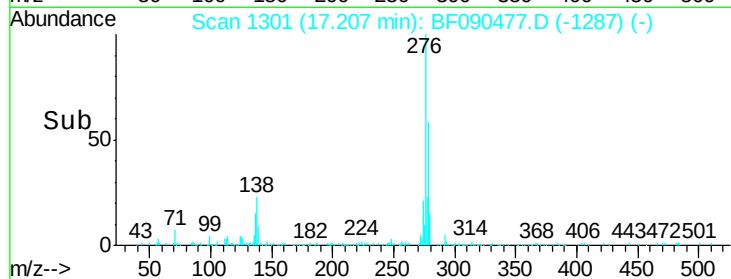
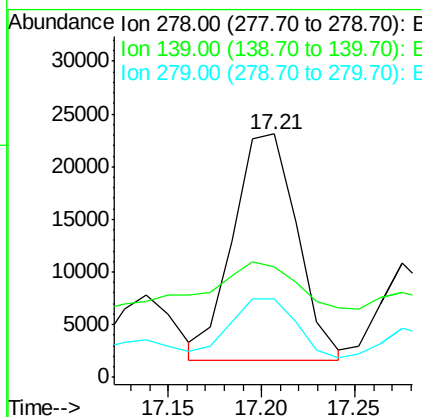
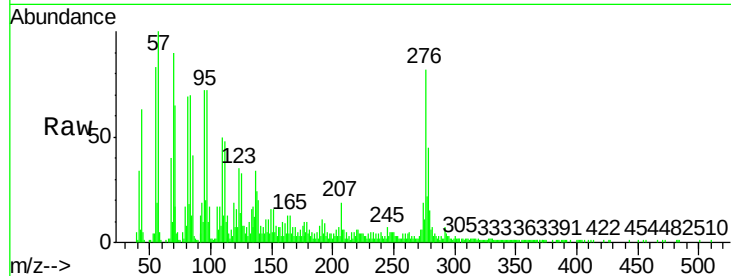




#90
Dibenzo(a,h)anthracene
Concen: 2.48 ng
RT: 17.21 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Instrument :
BNA_F
ClientSampleId :
MJSB-15(11-13)

Tgt Ion:278 Resp: 51195
Ion Ratio Lower Upper
278 100
139 45.1 12.8 19.2#
279 32.1 19.6 29.4#



#91
Benzo(g,h,i)perylene
Concen: 7.35 ng
RT: 17.64 min Scan# 1339
Delta R.T. -0.05 min
Lab File: BF090477.D
Acq: 8 Oct 2016 9:39

Tgt Ion:276 Resp: 145489
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 32.2 20.8 31.2#

