

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
 Data File : BF090883.D
 Acq On : 27 Oct 2016 22:52
 Operator : UM/SJ
 Sample : H5411-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-5.5-6.0-DUP

Quant Time: Oct 28 01:15:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138259	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	587358	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	316419	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	408512	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	334953	20.00	ng	-0.01
86) Perylene-d12	15.36	264	397989	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	909472	115.01	ng	0.00
7) Phenol-d6	6.41	99	992665	93.05	ng	-0.01
23) Nitrobenzene-d5	7.33	82	647146	72.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	244919	75.32	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1255678	69.68	ng	-0.01
78) Terphenyl-d14	12.89	244	868091	65.29	ng	-0.01

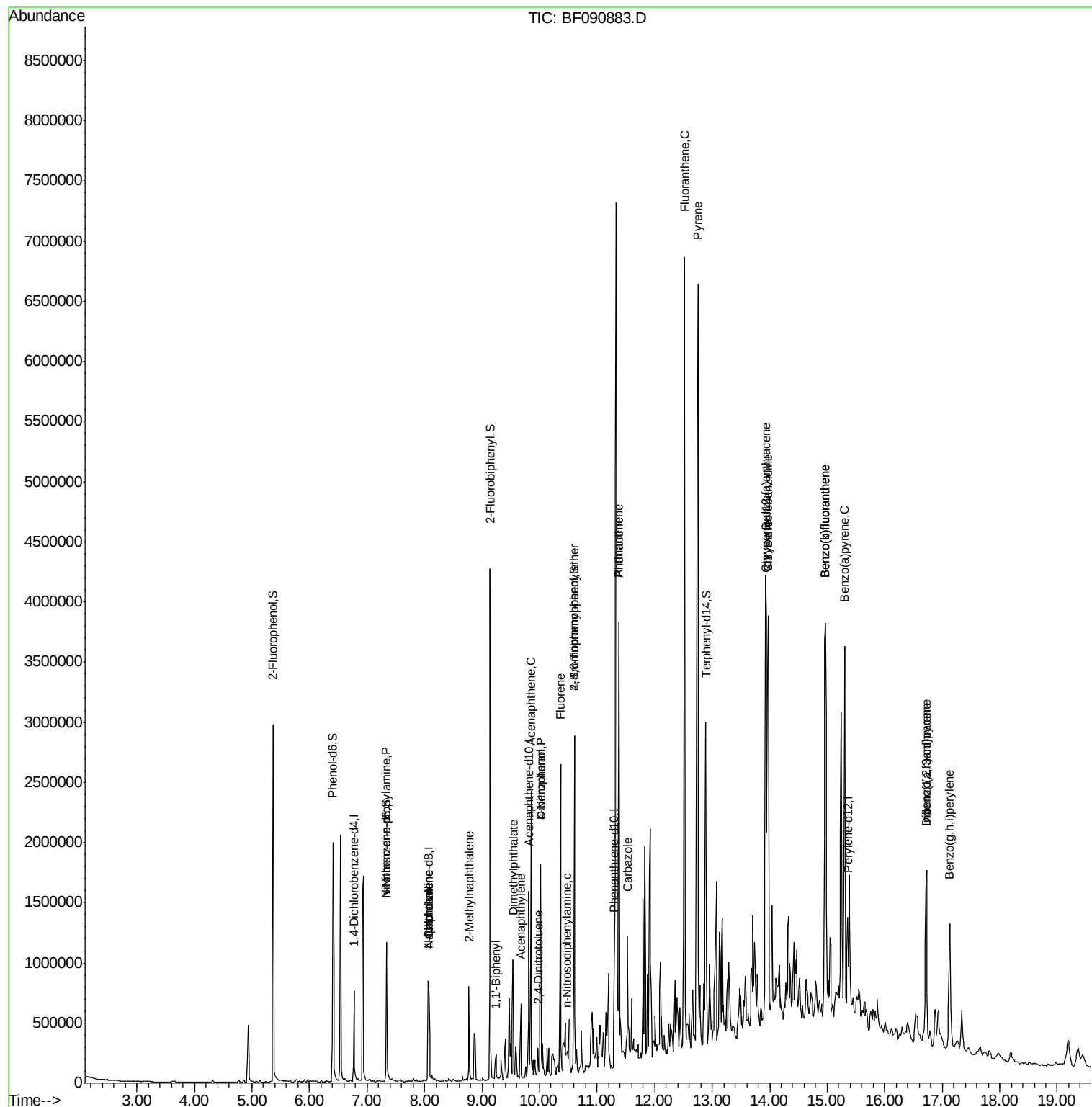
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	85991	13.94	ng	# 51
31) Naphthalene	8.08	128	392194	14.28	ng	99
33) 4-Chloroaniline	8.08	127	48873	4.41	ng	# 34
37) 2-Methylnaphthalene	8.77	142	213393	12.03	ng	# 91
45) 1,1'-Biphenyl	9.24	154	88649	3.89	ng	97
48) Acenaphthylene	9.68	152	268117	10.21	ng	96
49) Dimethylphthalate	9.54	163	503291	23.81	ng	# 97
51) Acenaphthene	9.85	154	521174	28.83	ng	89
54) Dibenzofuran	10.02	168	677399	29.03	ng	# 88
55) 4-Nitrophenol	10.02	139	260270	85.86	ng	# 27
56) 2,4-Dinitrotoluene	9.97	165	13464	2.32	ng	# 59
57) Fluorene	10.36	166	720778	37.72	ng	90
65) n-Nitrosodiphenylamine	10.48	169	29985	2.40	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	16968	3.79	ng	# 1
70) Phenanthrene	11.38	178	1496491	71.94	ng	95
71) Anthracene	11.38	178	1496491	68.31	ng	96
72) Carbazole	11.53	167	432044	22.33	ng	# 93
74) Fluoranthene	12.52	202	3446120	151.27	ng	91
77) Pyrene	12.75	202	3458392	163.15	ng	# 91
80) Benzo(a)anthracene	13.93	228	2058601	115.81	ng	# 89
81) 3,3'-Dichlorobenzidine	13.97	252	24519	3.55	ng	# 1
82) Chrysene	13.97	228	1663939	92.54	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.73	276	1084743	68.08	ng	# 84
87) Benzo(b)fluoranthene	14.97	252	3063127	114.46	ng	# 88
88) Benzo(k)fluoranthene	14.97	252	3063127	144.84	ng	# 89
89) Benzo(a)pyrene	15.30	252	1990998	86.59	ng	# 87
90) Dibenzo(a,h)anthracene	16.73	278	351530	18.06	ng	# 78
91) Benzo(g,h,i)perylene	17.13	276	983881	53.66	ng	# 78

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

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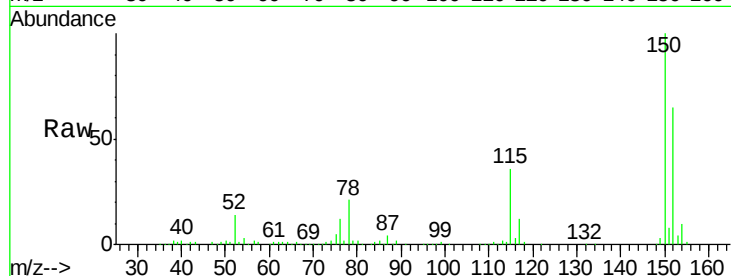




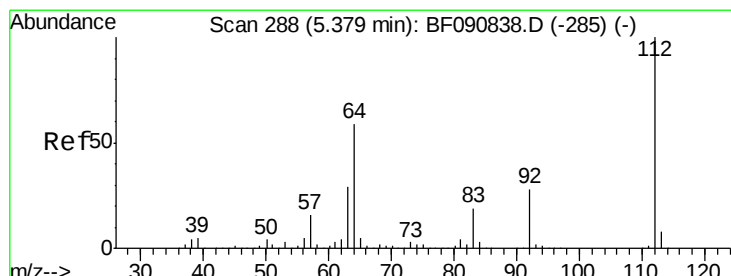
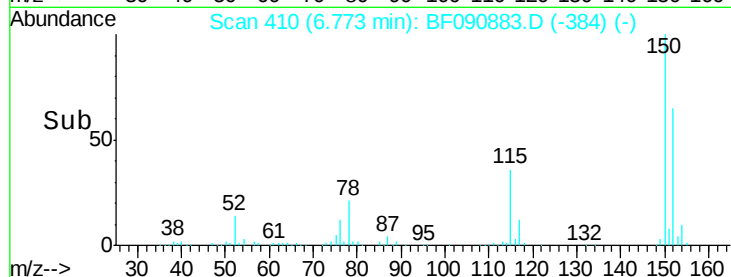
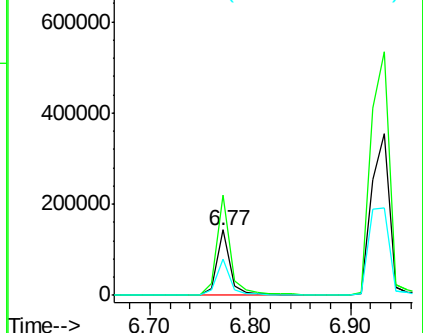
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-5.5-6.0-DUP

Tgt Ion:152 Resp: 138259
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.7 187.1
 115 56.1 39.0 58.4

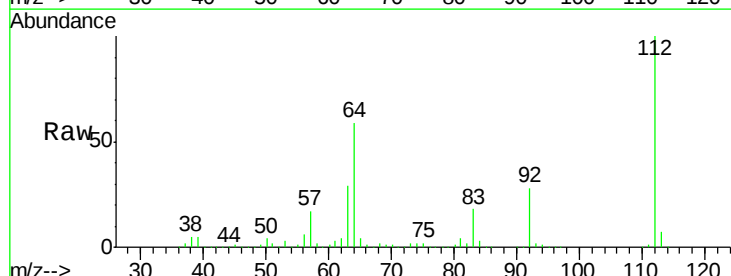


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

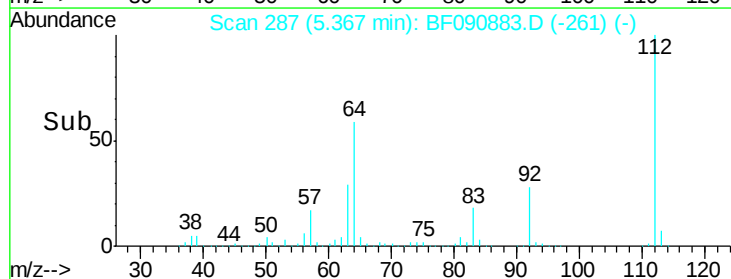
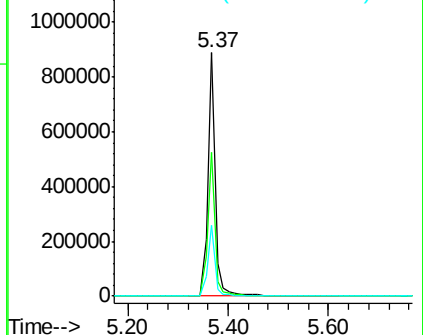


#5
 2-Fluorophenol
 Concen: 115.01 ng
 RT: 5.37 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

Tgt Ion:112 Resp: 909472
 Ion Ratio Lower Upper
 112 100
 64 59.1 39.7 59.5
 63 29.3 17.4 26.0#



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: 93.05 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

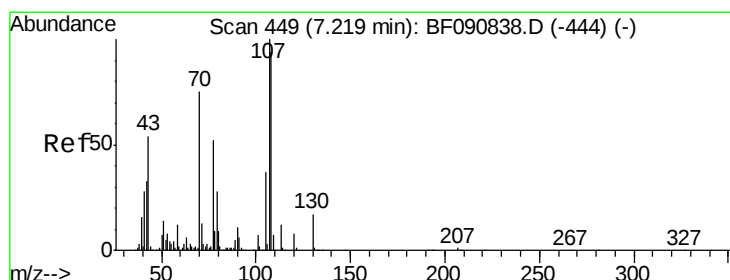
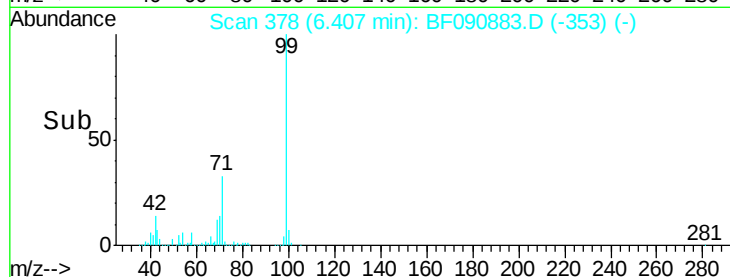
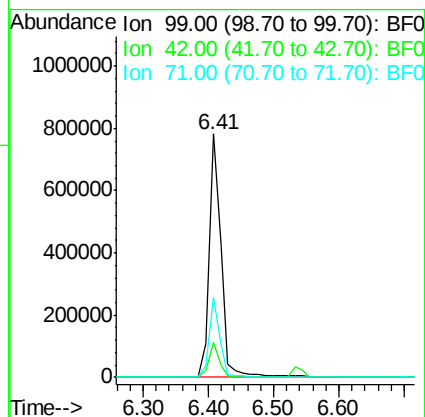
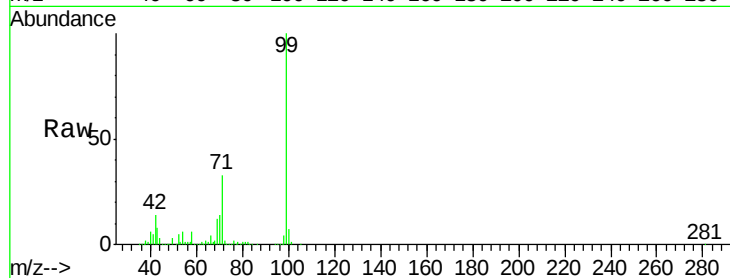
Tgt Ion: 99 Resp: 992665

Ion Ratio Lower Upper

99 100

42 14.4 13.7 20.5

71 32.6 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 13.94 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.13 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Tgt Ion: 70 Resp: 85991

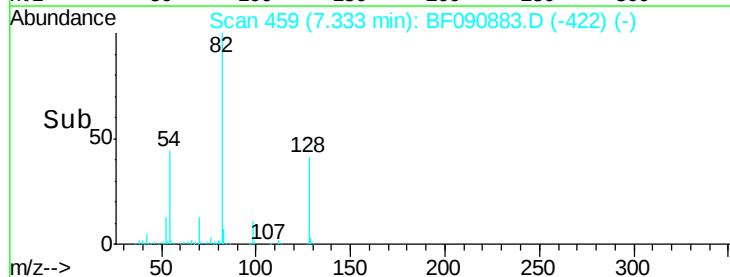
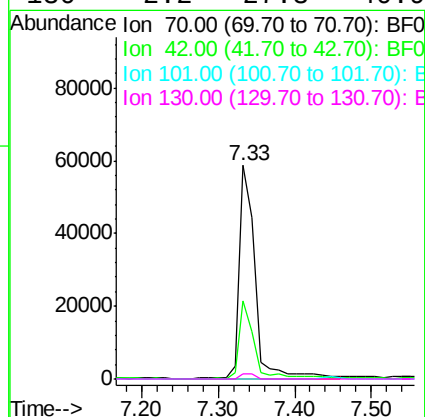
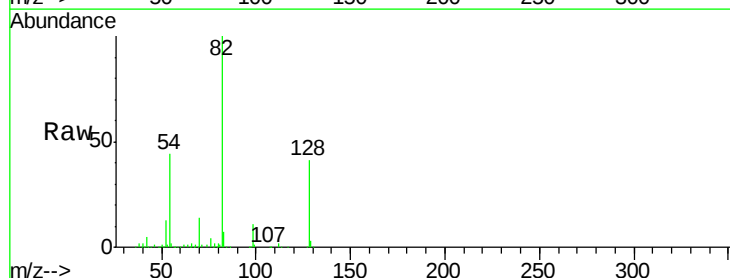
Ion Ratio Lower Upper

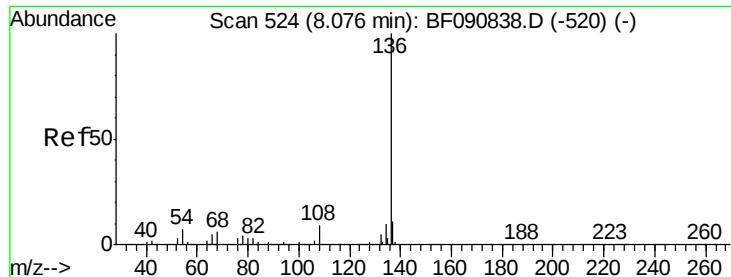
70 100

42 36.3 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

Tgt Ion: 136 Resp: 587358

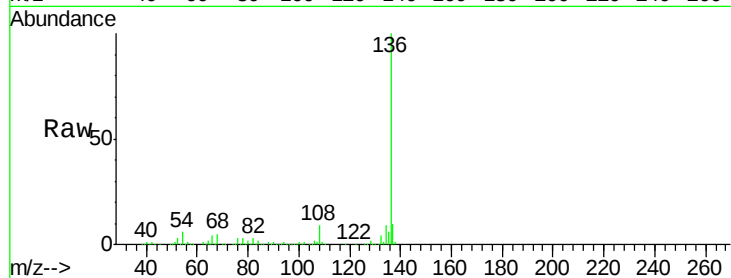
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.6

54 5.8 8.2 12.2#

68 5.4 5.8 8.6#

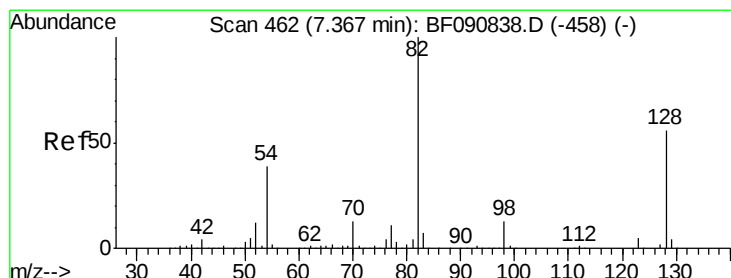
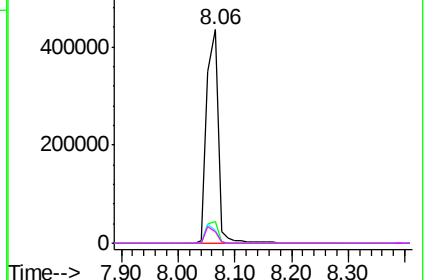
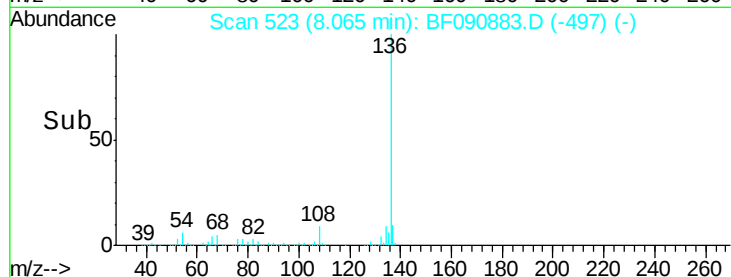


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.13 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

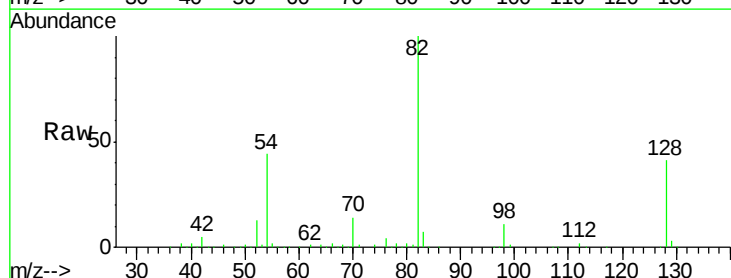
Tgt Ion: 82 Resp: 647146

Ion Ratio Lower Upper

82 100

128 41.5 51.0 76.6#

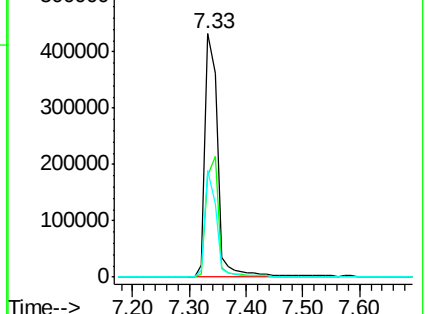
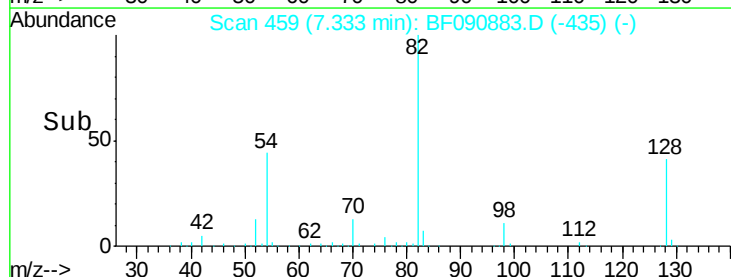
54 44.1 47.5 71.3#

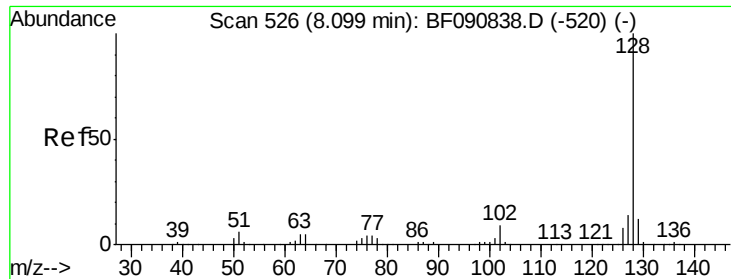


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

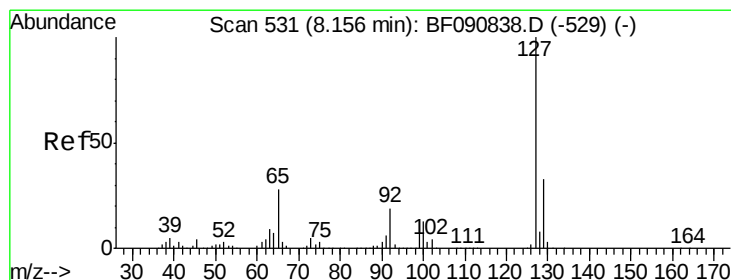
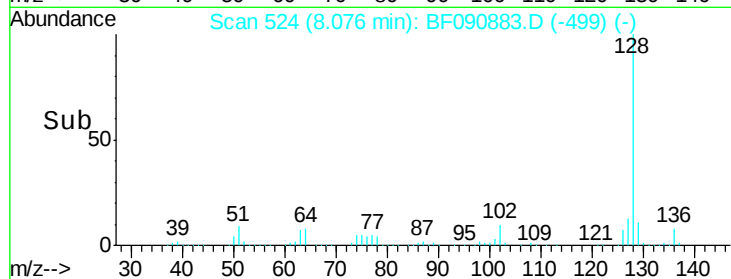
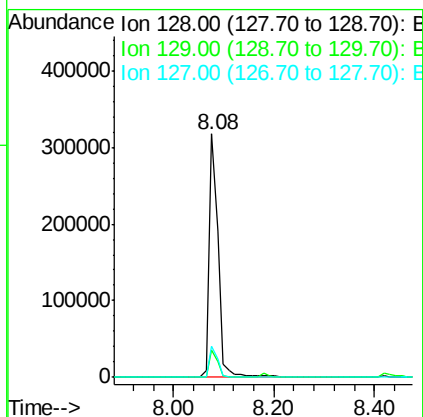
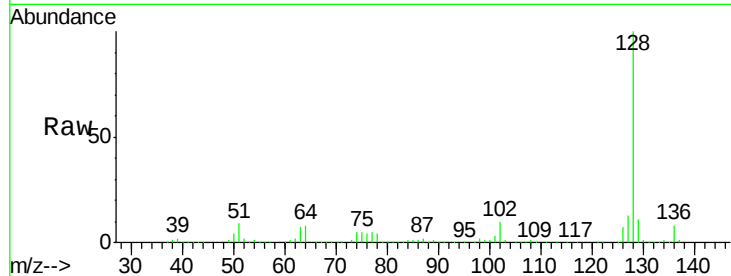




#31
Naphthalene
Concen: 14.28 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

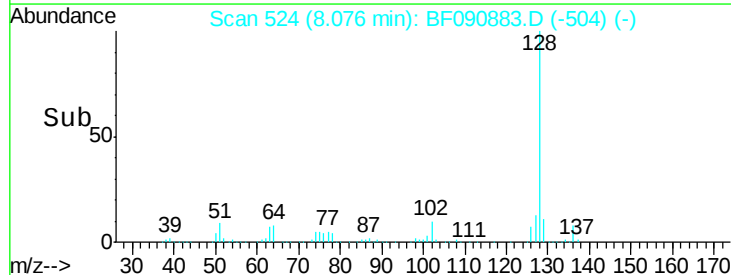
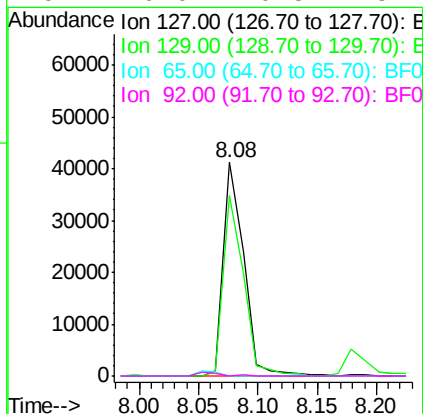
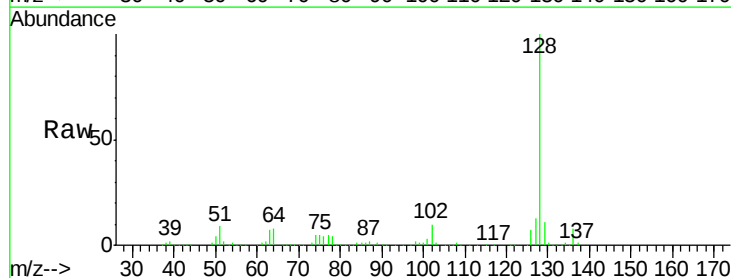
Instrument :
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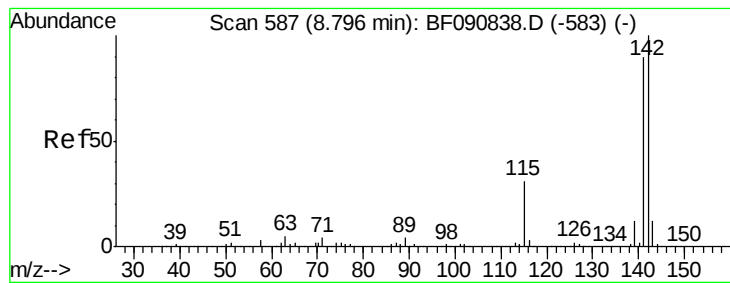
Tgt Ion:128 Resp: 392194
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 13.0 9.9 14.9



#33
4-Chloroaniline
Concen: 4.41 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Tgt Ion:127 Resp: 48873
Ion Ratio Lower Upper
127 100
129 84.7 25.8 38.6#
65 0.0 17.9 26.9#
92 0.0 10.5 15.7#

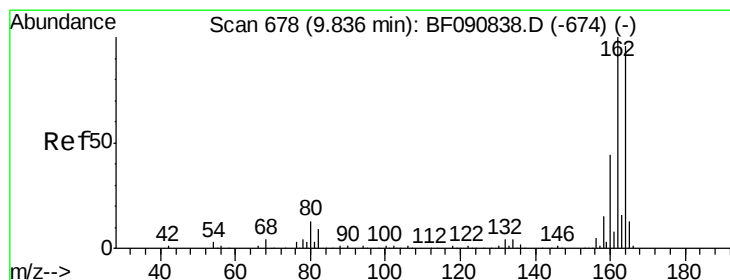
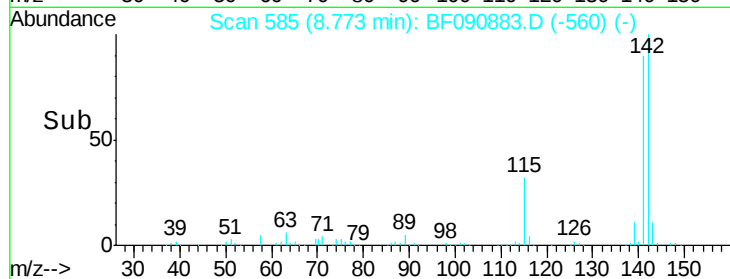
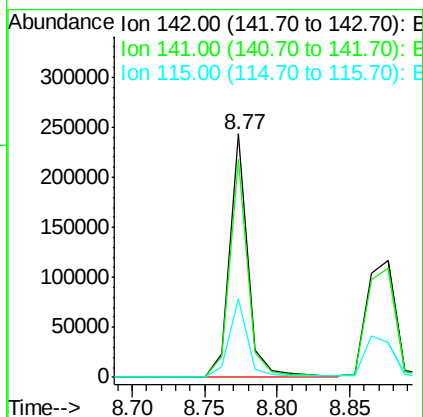
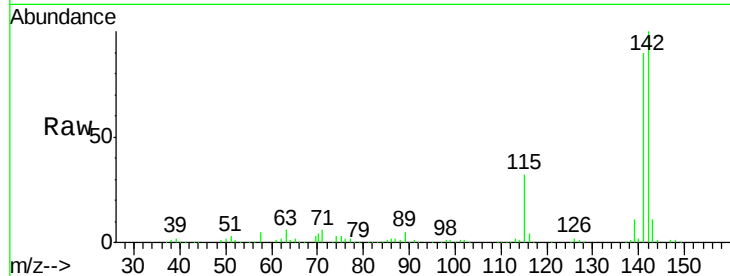




#37
 2-Methylnaphthalene
 Concen: 12.03 ng
 RT: 8.77 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

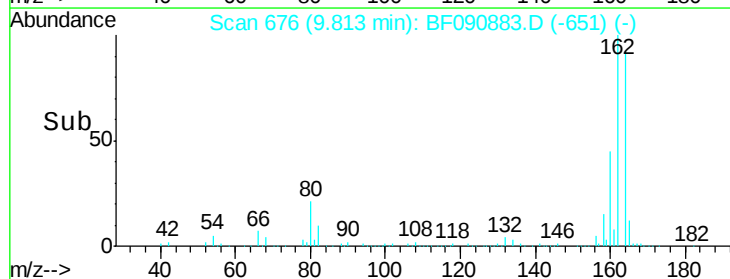
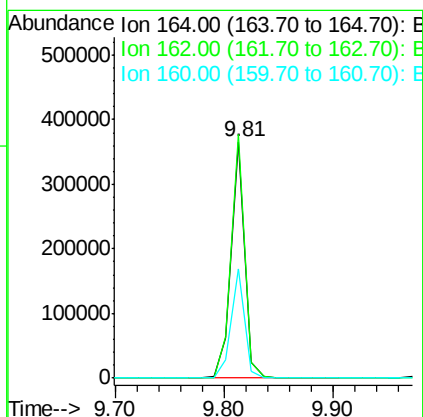
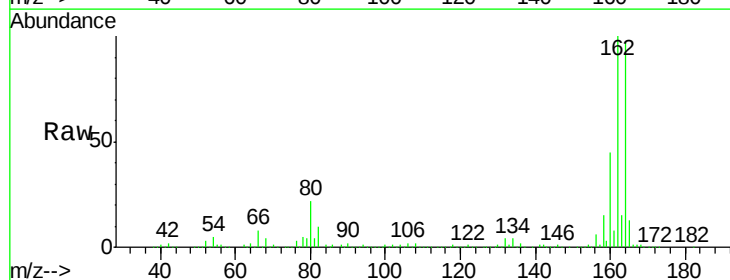
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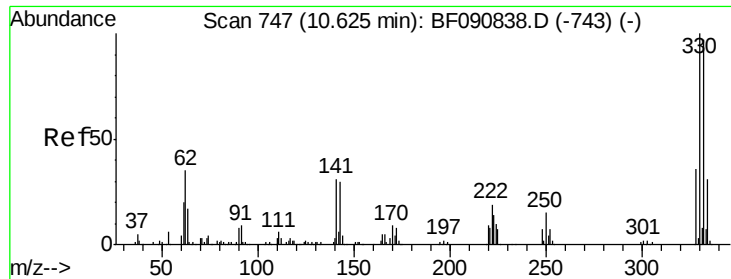
Tgt Ion:142 Resp: 213393
 Ion Ratio Lower Upper
 142 100
 141 89.7 67.5 101.3
 115 32.5 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

Tgt Ion:164 Resp: 316419
 Ion Ratio Lower Upper
 164 100
 162 103.1 75.2 112.8
 160 46.0 31.5 47.3

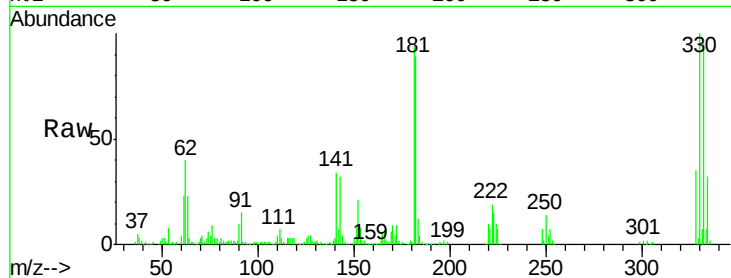




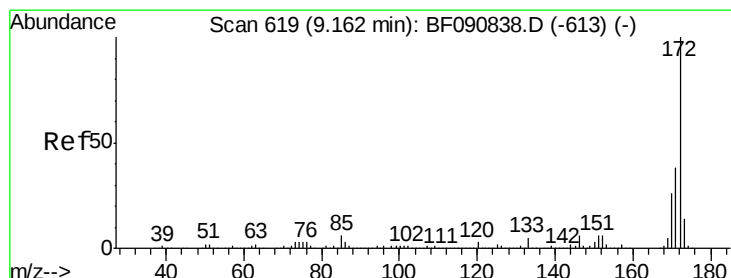
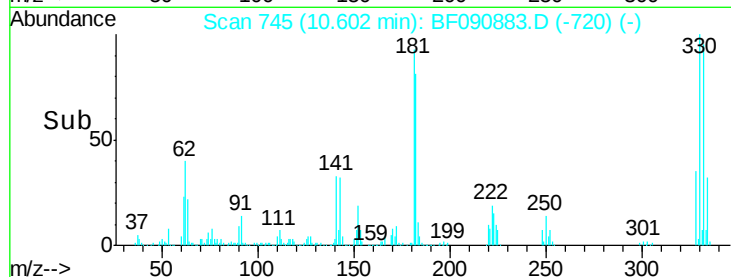
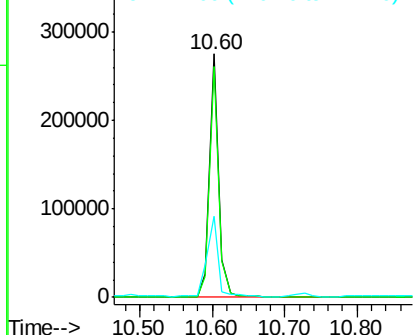
#41
 2,4,6-Tribromophenol
 Concen: 75.32 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-5.5-6.0-DUP

Tgt Ion:330 Resp: 244919
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 39.9 29.7 44.5

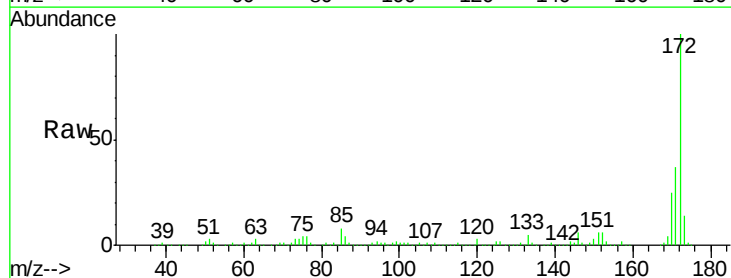


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

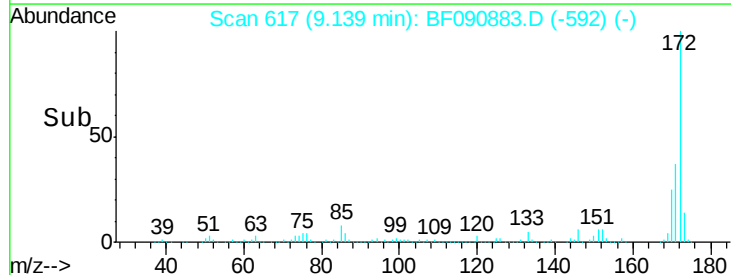
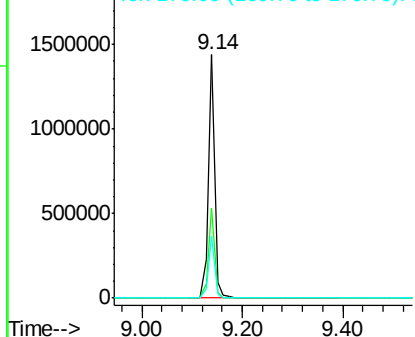


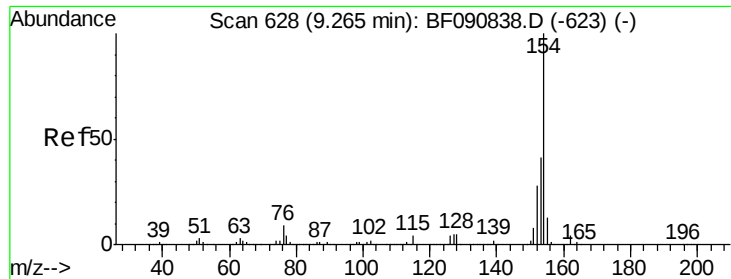
#44
 2-Fluorobiphenyl
 Concen: 69.68 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

Tgt Ion:172 Resp: 1255678
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.1 39.1
 170 25.3 17.4 26.2



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

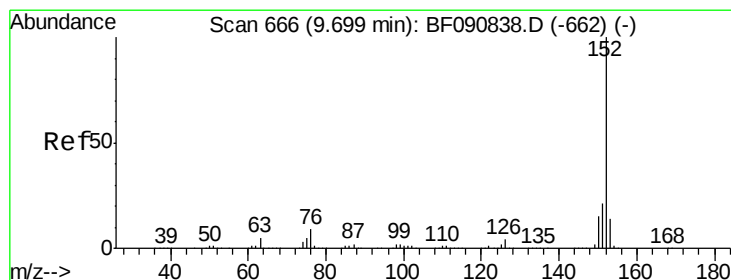
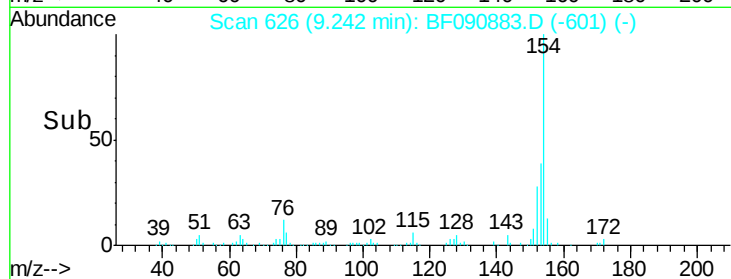
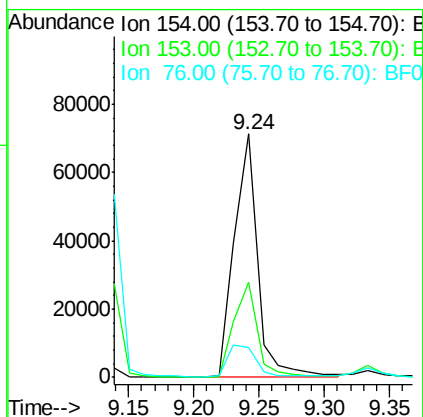
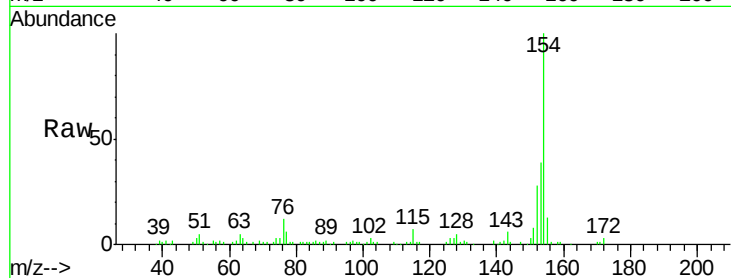




#45
1,1'-Biphenyl
Concen: 3.89 ng
RT: 9.24 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

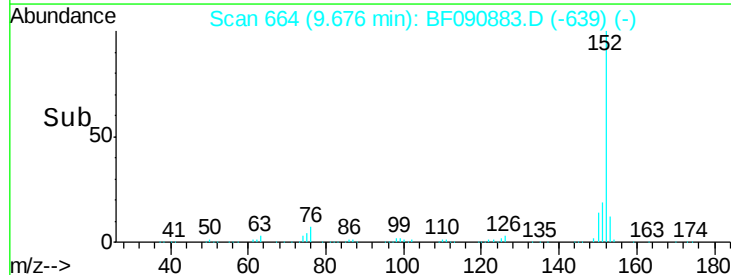
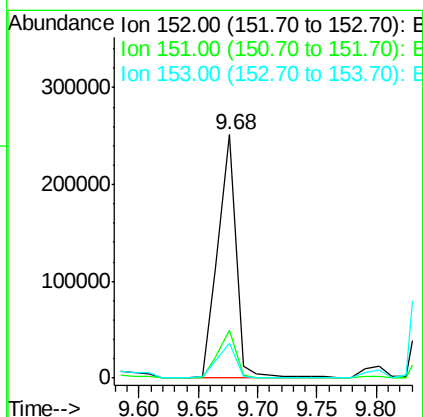
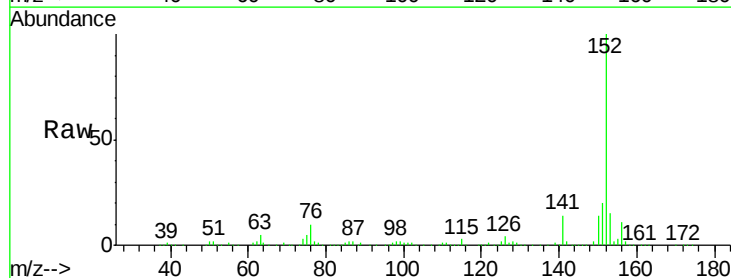
Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

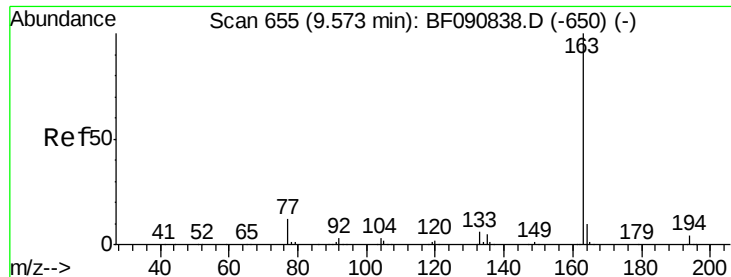
Tgt Ion:154 Resp: 88649
Ion Ratio Lower Upper
154 100
153 39.3 17.1 57.1
76 12.5 0.0 31.6



#48
Acenaphthylene
Concen: 10.21 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Tgt Ion:152 Resp: 268117
Ion Ratio Lower Upper
152 100
151 19.7 14.6 22.0
153 14.6 10.3 15.5

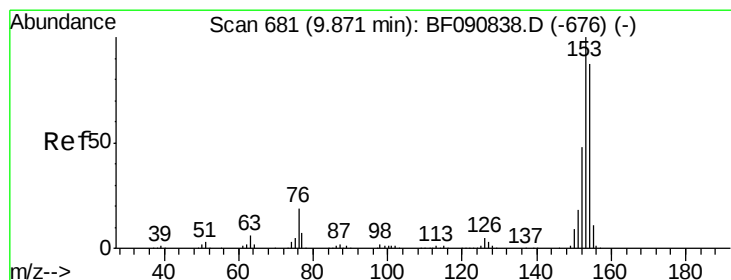
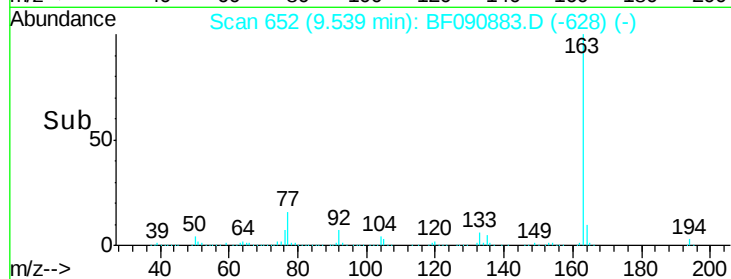
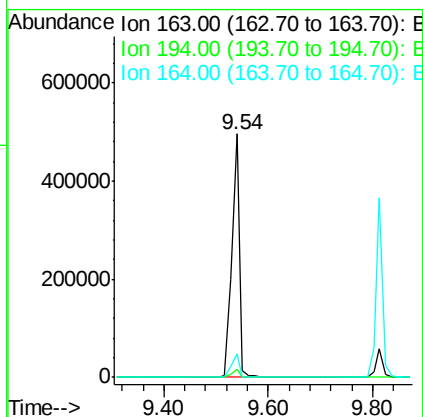
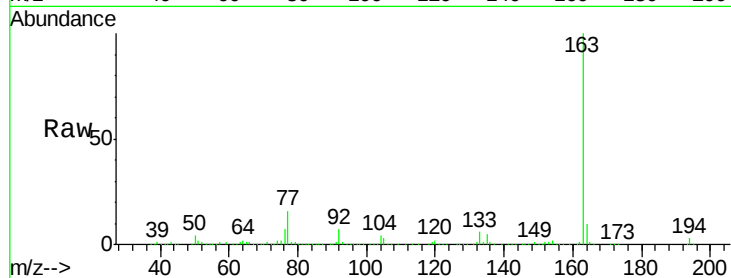




#49
Dimethylphthalate
Concen: 23.81 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

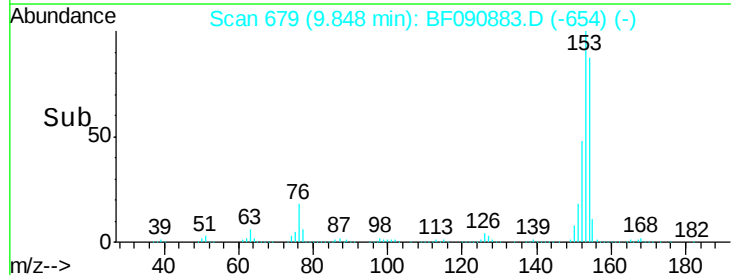
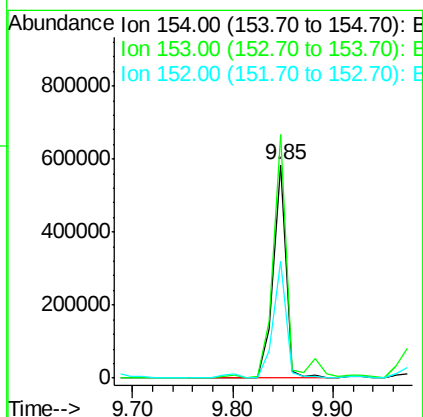
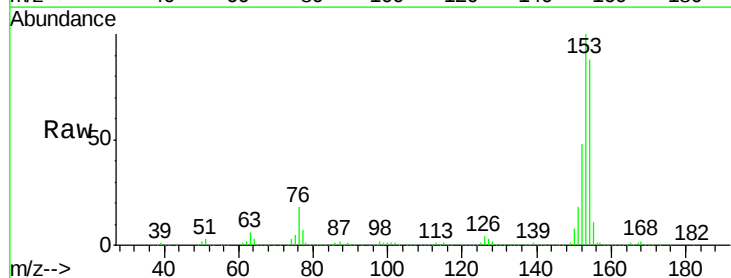
Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

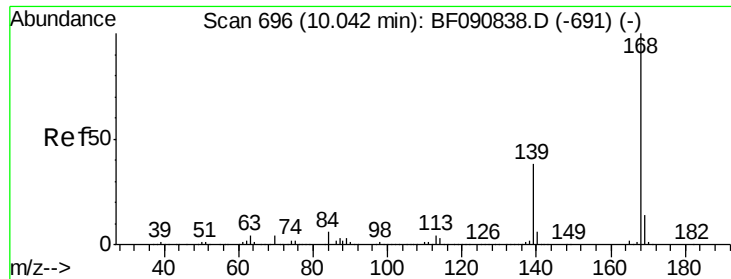
Tgt Ion:163 Resp: 503291
Ion Ratio Lower Upper
163 100
194 3.5 4.4 6.6#
164 9.8 8.3 12.5



#51
Acenaphthene
Concen: 28.83 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Tgt Ion:154 Resp: 521174
Ion Ratio Lower Upper
154 100
153 114.2 82.1 123.1
152 54.8 37.9 56.9

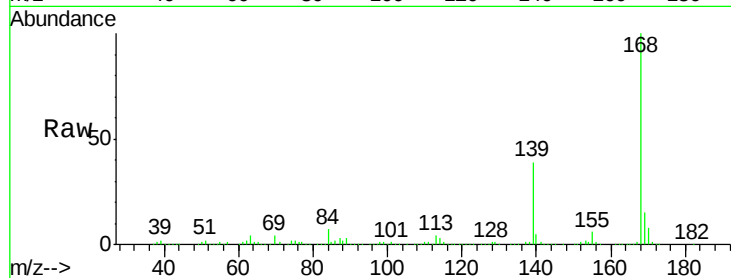




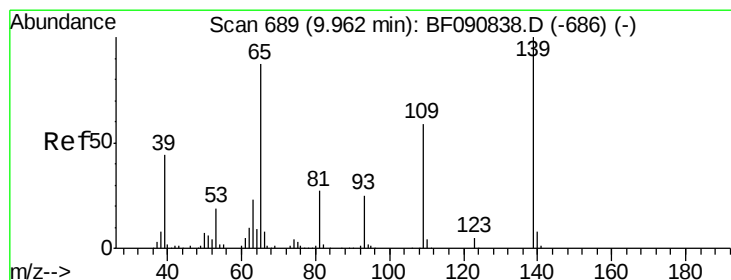
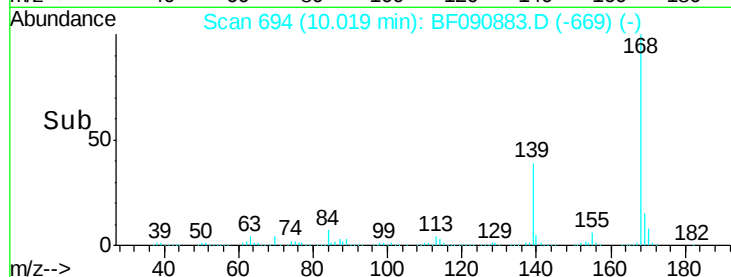
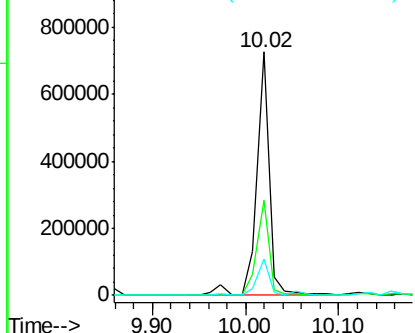
#54
Dibenzenofuran
Concen: 29.03 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

Tgt Ion:168 Resp: 677399
Ion Ratio Lower Upper
168 100
139 39.0 24.2 36.2#
169 14.7 10.6 15.8

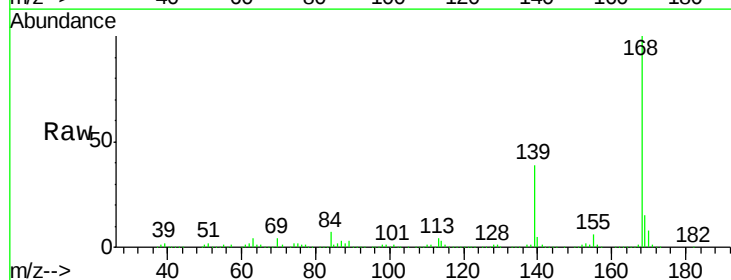


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

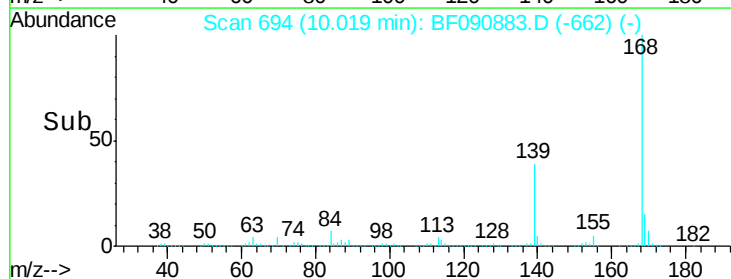
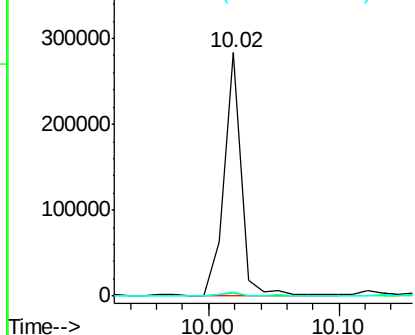


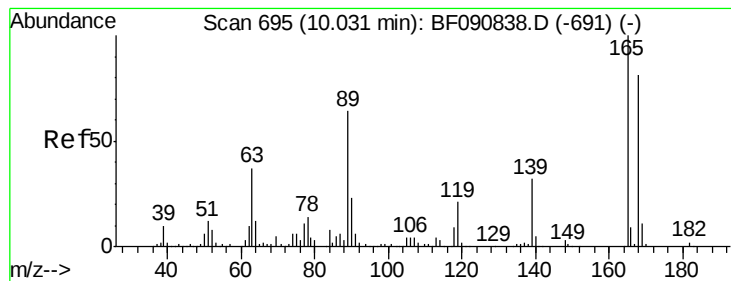
#55
4-Nitrophenol
Concen: 85.86 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.07 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Tgt Ion:139 Resp: 260270
Ion Ratio Lower Upper
139 100
109 1.0 12.7 52.7#
65 1.5 45.9 85.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

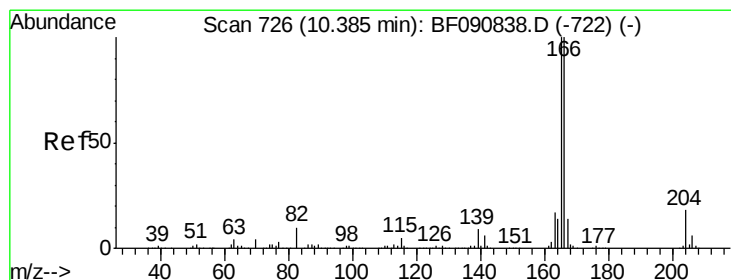
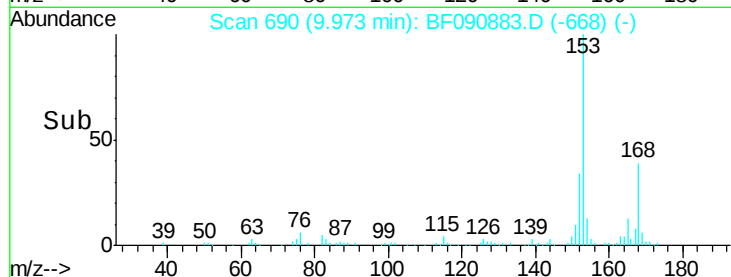
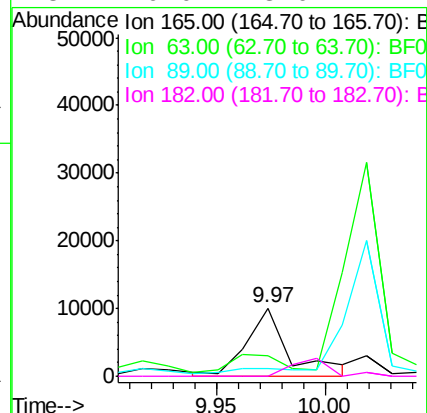
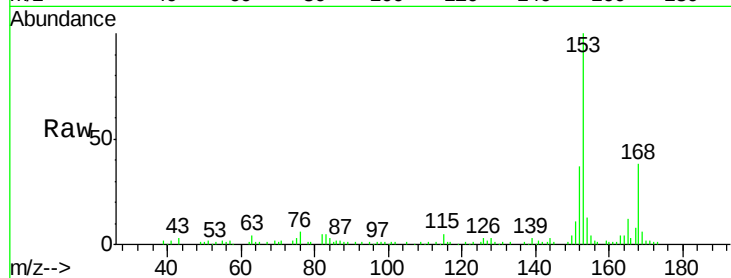




#56
2,4-Dinitrotoluene
Concen: 2.32 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.05 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

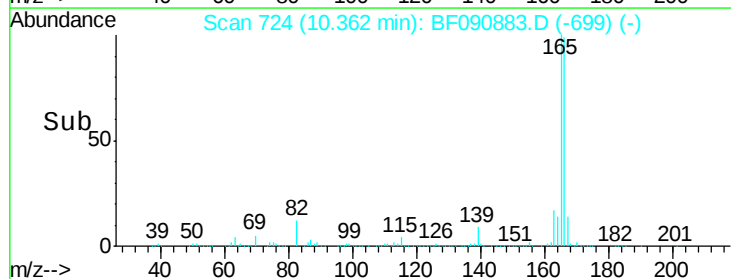
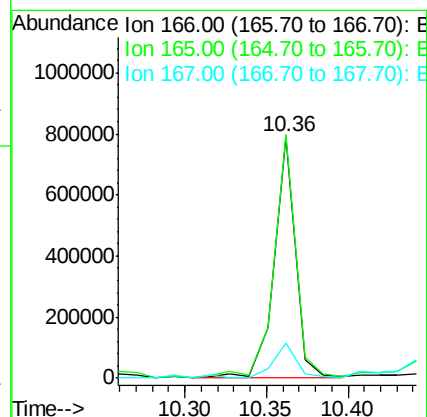
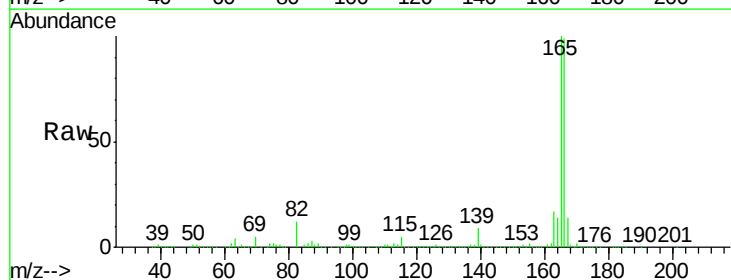
Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

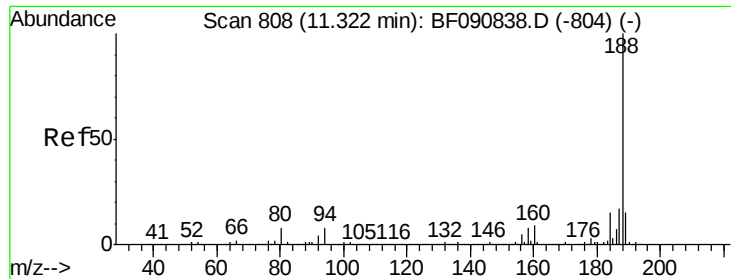
Tgt Ion	Ratio	Lower	Upper
165	100		
63	29.4	29.8	44.6#
89	10.8	44.5	66.7#
182	0.0	3.0	4.4#



#57
Fluorene
Concen: 37.72 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	72.6	109.0
167	14.4	10.6	16.0

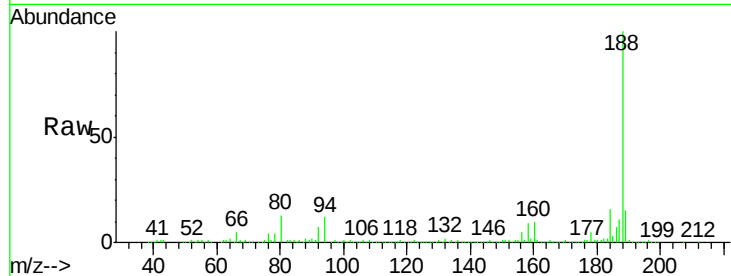




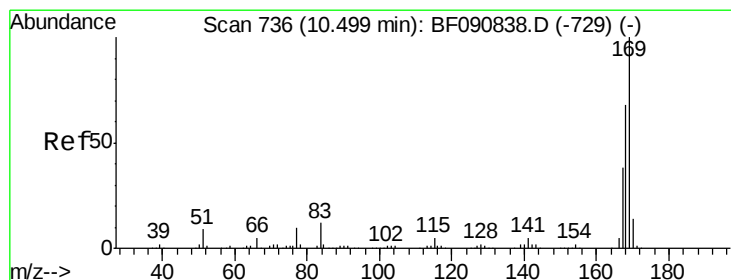
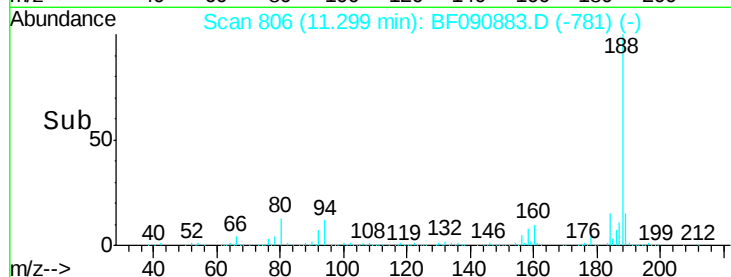
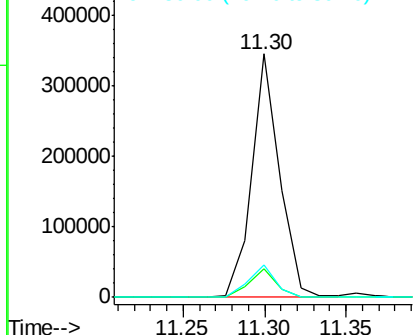
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Instrument :
BNA_F
ClientSampleId :
SB-01-5.5-6.0-DUP

Tgt Ion:188 Resp: 408512
Ion Ratio Lower Upper
188 100
94 11.7 11.1 16.7
80 13.4 11.0 16.4

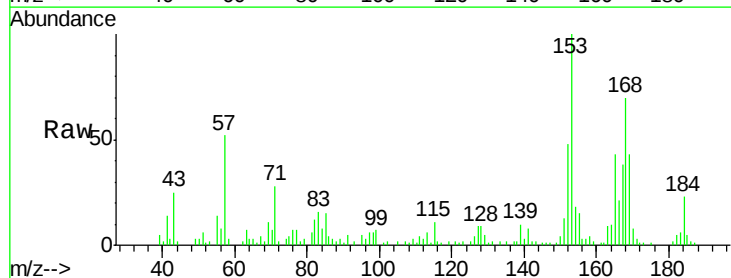


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

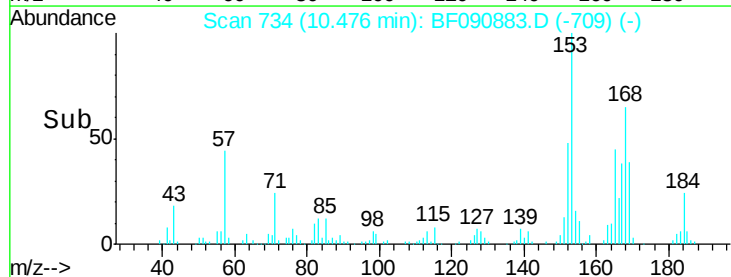
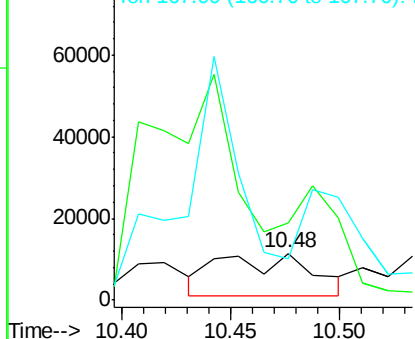


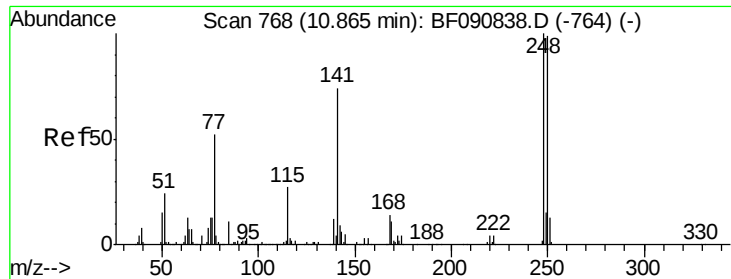
#65
n-Nitrosodiphenylamine
Concen: 2.40 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF090883.D
Acq: 27 Oct 2016 22:52

Tgt Ion:169 Resp: 29985
Ion Ratio Lower Upper
169 100
168 163.1 48.9 73.3#
167 88.0 26.2 39.4#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.79 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.25 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

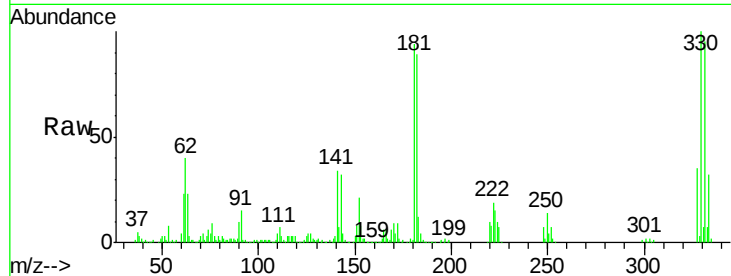
Tgt Ion:248 Resp: 16968

Ion Ratio Lower Upper

248 100

250 198.6 78.5 117.7#

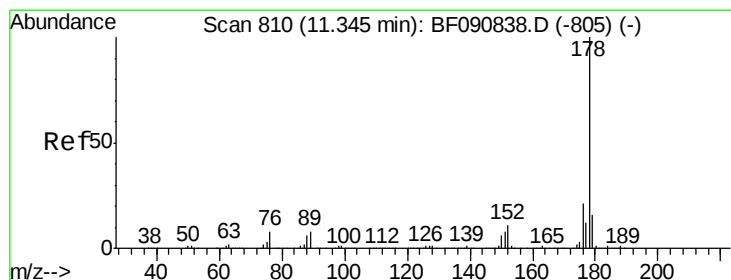
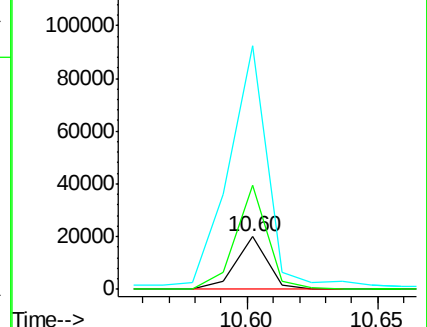
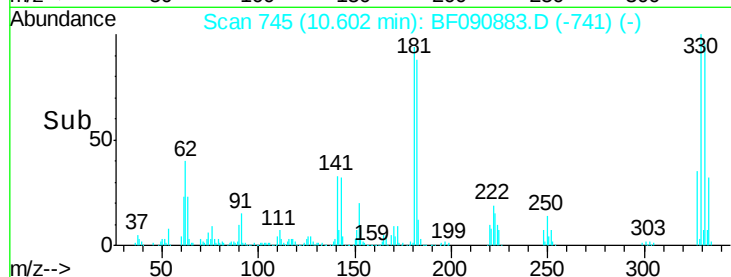
141 462.4 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 71.94 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.05 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

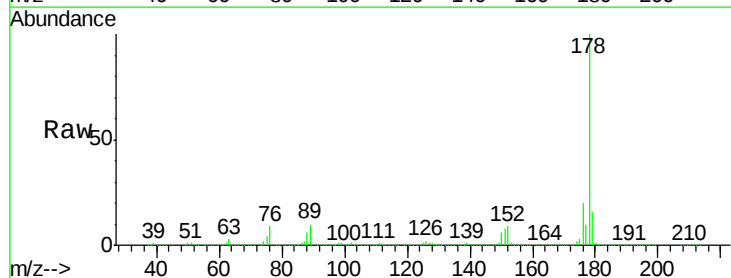
Tgt Ion:178 Resp: 1496491

Ion Ratio Lower Upper

178 100

176 20.0 13.8 20.8

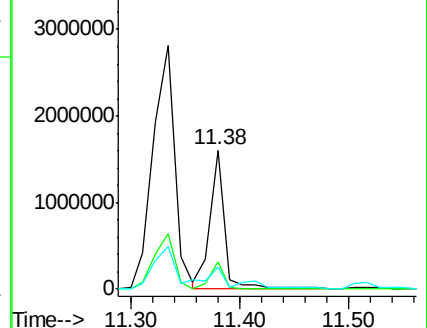
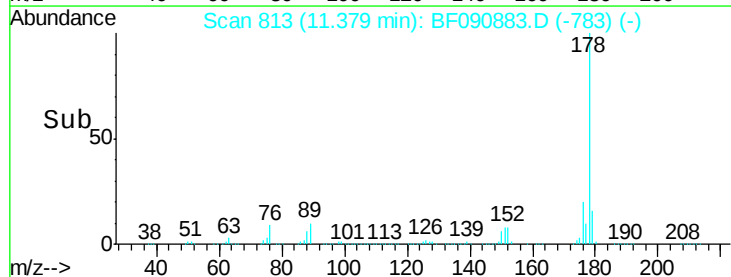
179 16.5 12.2 18.2

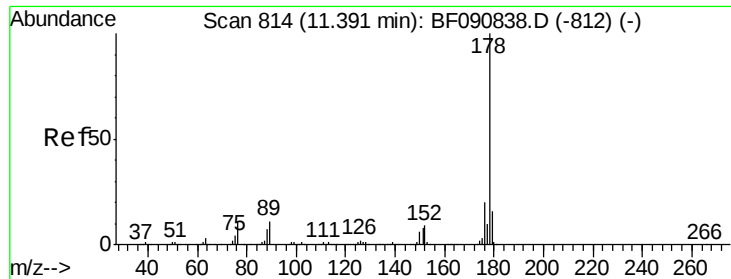


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

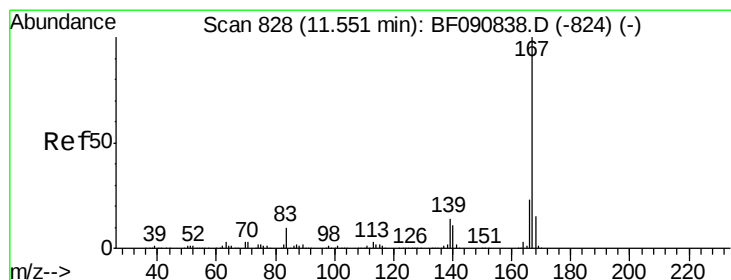
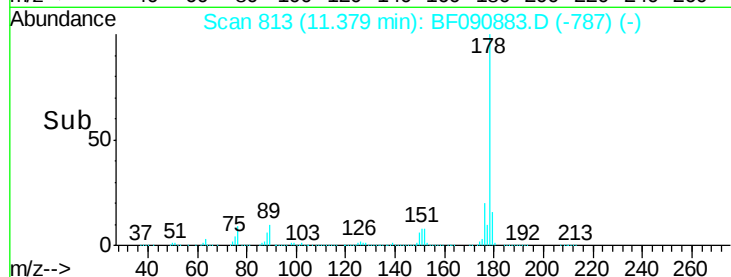
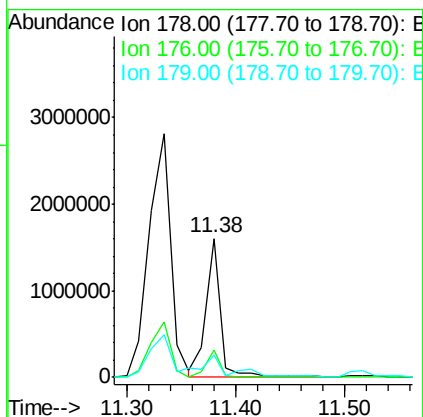
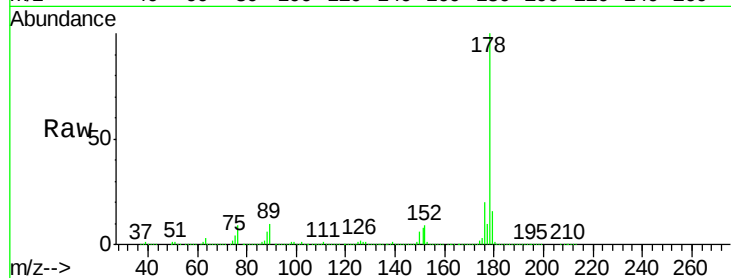




#71
 Anthracene
 Concen: 68.31 ng
 RT: 11.38 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

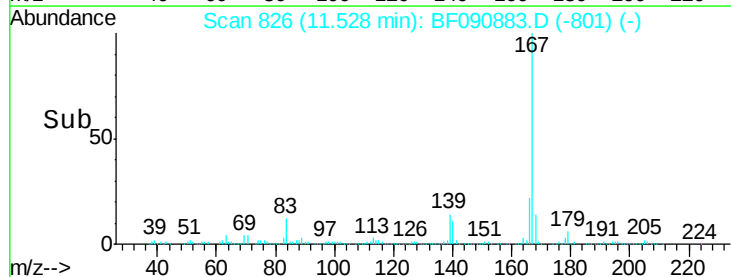
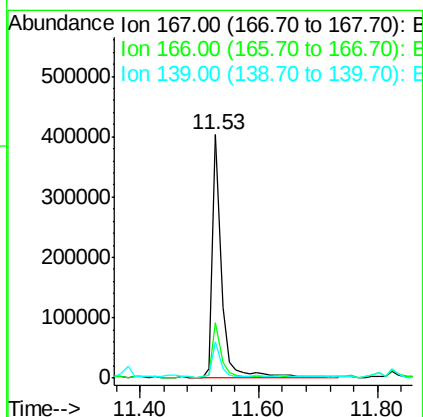
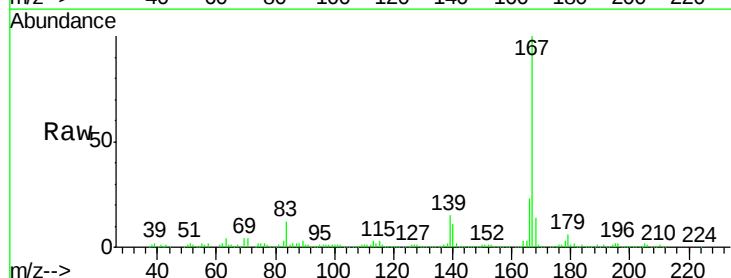
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-5.5-6.0-DUP

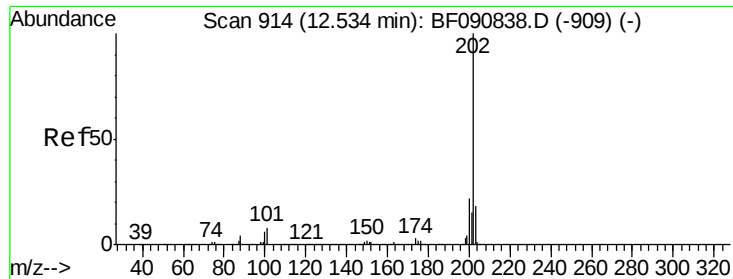
Tgt Ion:178 Resp: 1496491
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.1 21.1
 179 16.5 12.2 18.2



#72
 Carbazole
 Concen: 22.33 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF090883.D
 Acq: 27 Oct 2016 22:52

Tgt Ion:167 Resp: 432044
 Ion Ratio Lower Upper
 167 100
 166 22.6 15.7 23.5
 139 14.7 9.5 14.3#





#74

Fluoranthene

Concen: 151.27 ng

RT: 12.52 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF090838.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

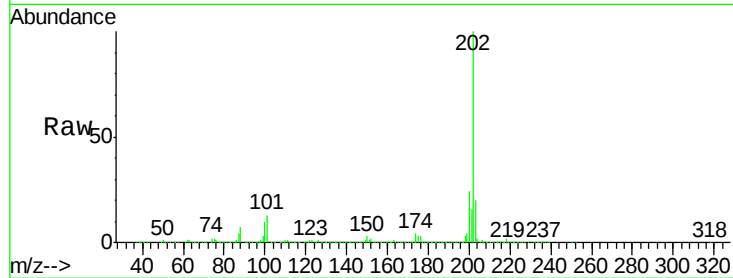
Tgt Ion:202 Resp: 3446120

Ion Ratio Lower Upper

202 100

101 13.2 0.0 38.3

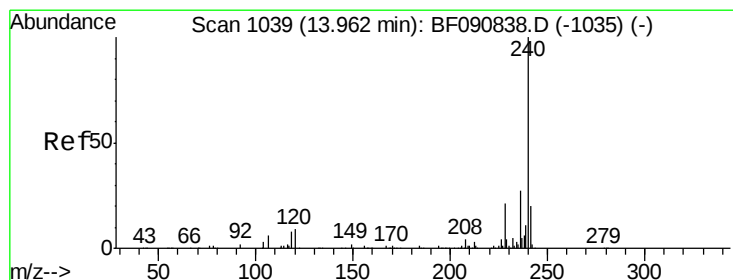
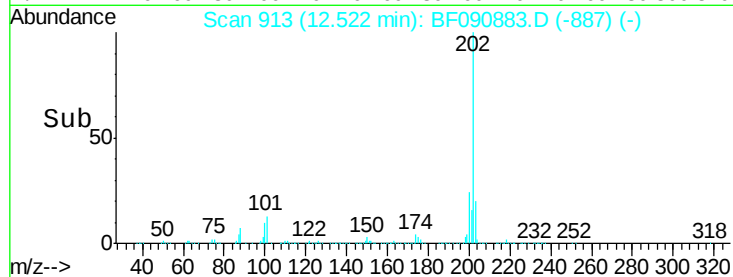
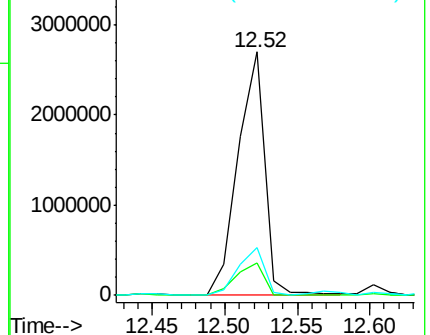
203 19.9 0.0 37.3



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: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090838.D

Acq: 27 Oct 2016 22:52

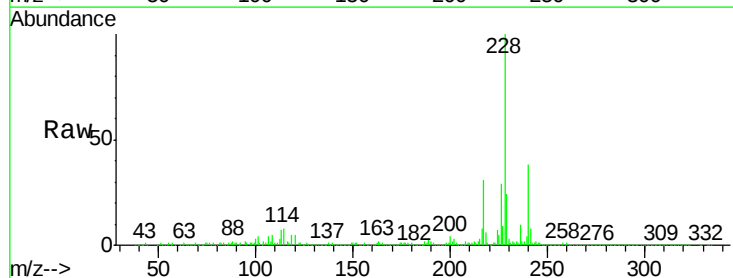
Tgt Ion:240 Resp: 334953

Ion Ratio Lower Upper

240 100

120 14.0 16.2 24.2#

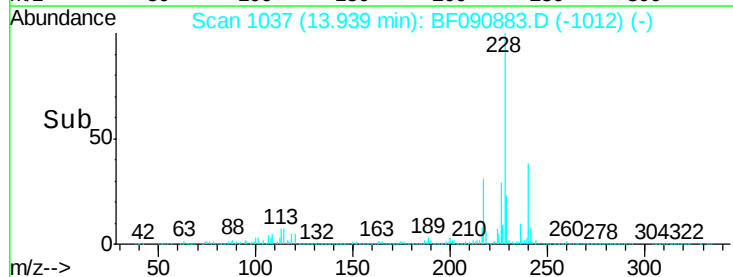
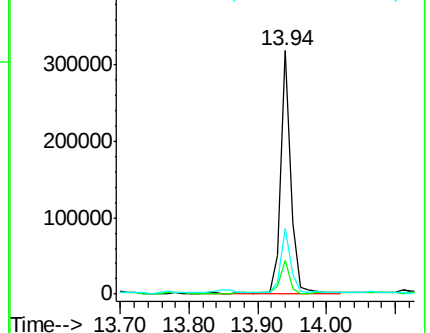
236 27.2 18.4 27.6

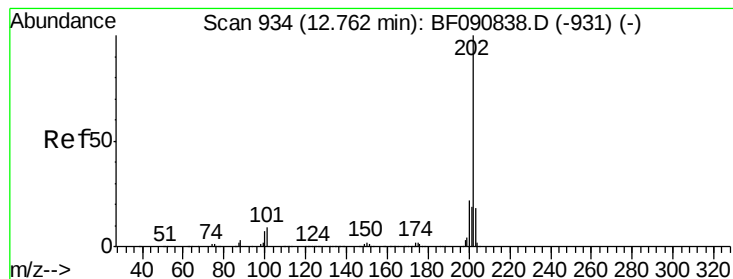


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 163.15 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

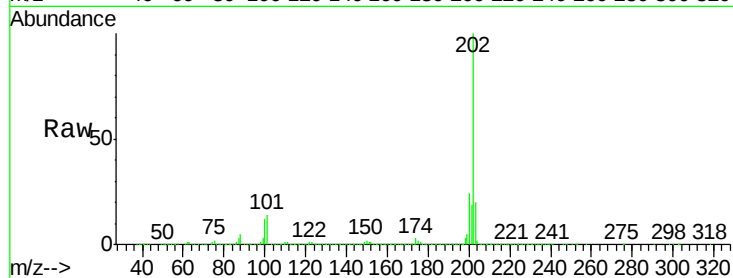
Tgt Ion:202 Resp: 3458392

Ion Ratio Lower Upper

202 100

200 24.1 15.0 22.4#

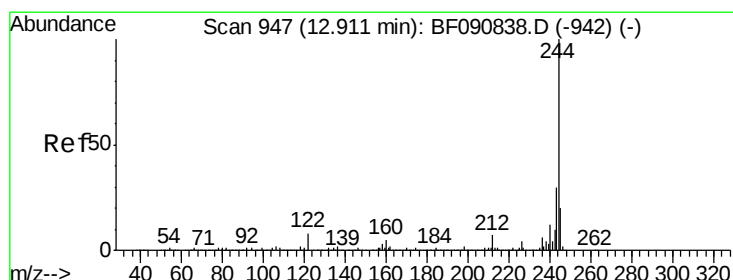
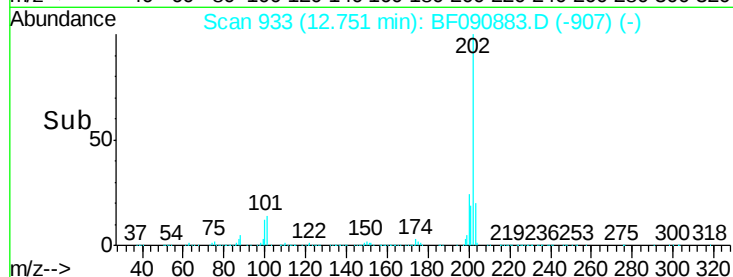
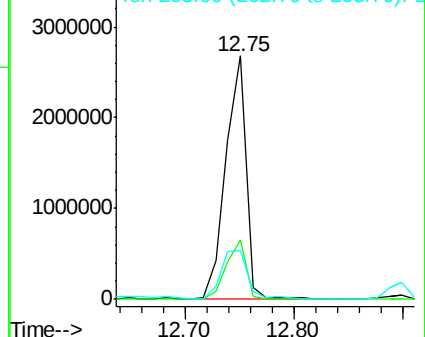
203 20.1 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 65.29 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

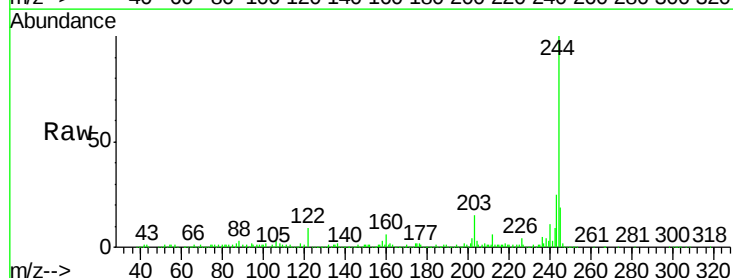
Tgt Ion:244 Resp: 868091

Ion Ratio Lower Upper

244 100

212 6.4 4.3 6.5

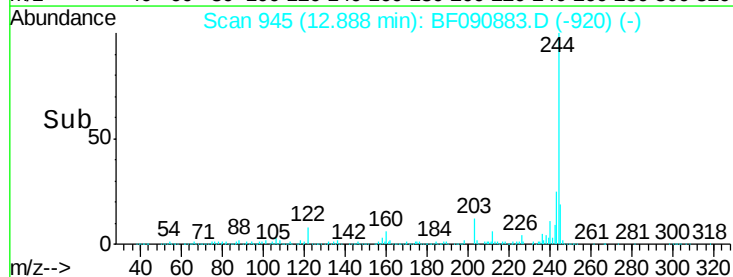
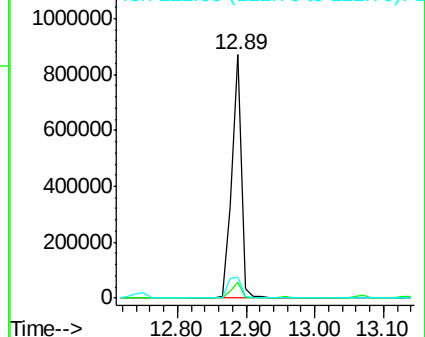
122 8.6 17.4 26.2#

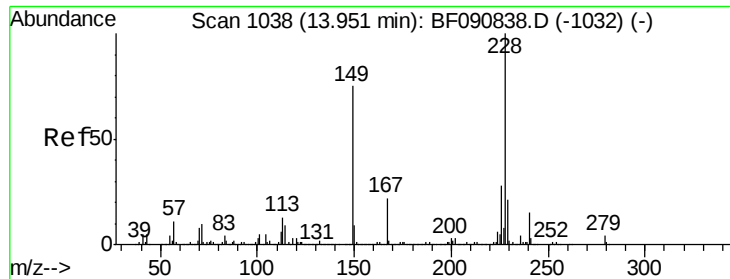


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 115.81 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

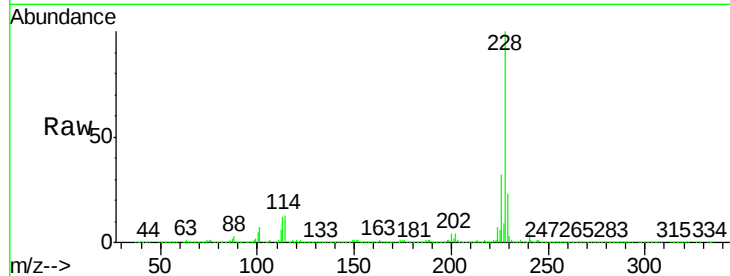
Tgt Ion:228 Resp: 2058601

Ion Ratio Lower Upper

228 100

226 32.0 20.0 30.0#

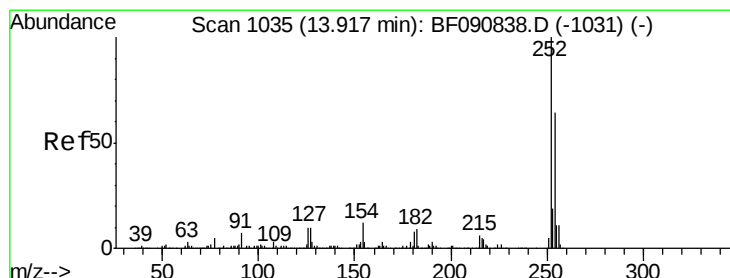
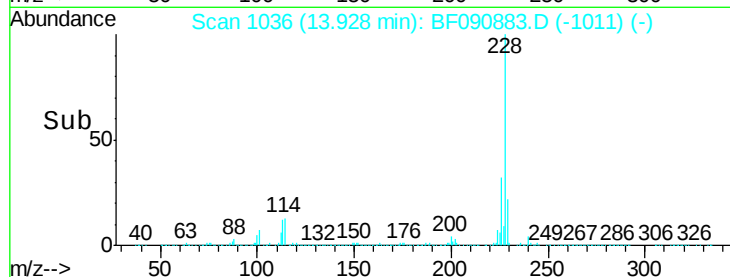
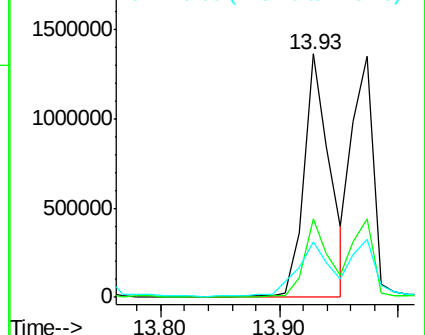
229 22.9 15.4 23.2



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



#81

3,3'-Dichlorobenzidine

Concen: 3.55 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.07 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

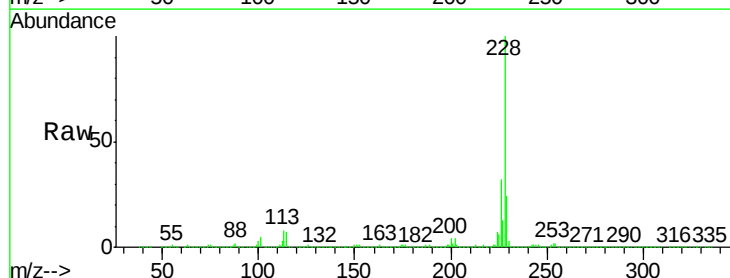
Tgt Ion:252 Resp: 24519

Ion Ratio Lower Upper

252 100

254 135.7 51.4 77.2#

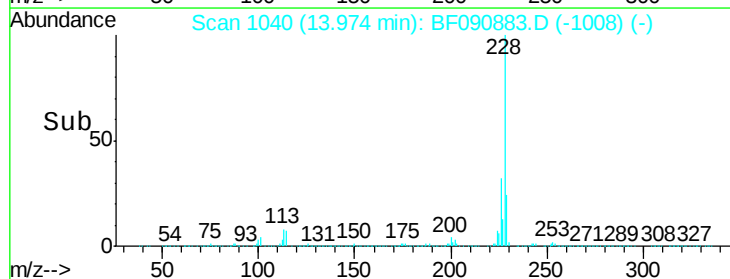
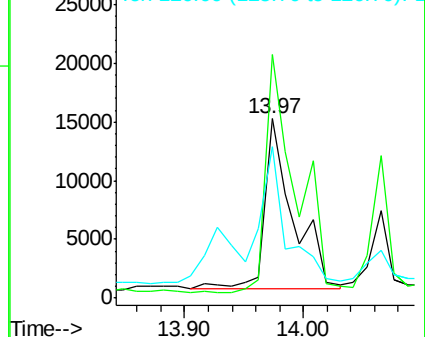
126 84.3 16.4 24.6#

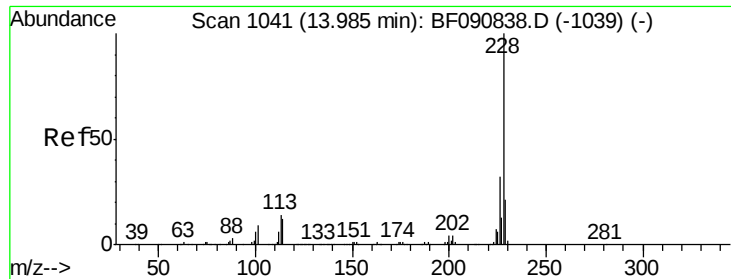


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 92.54 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

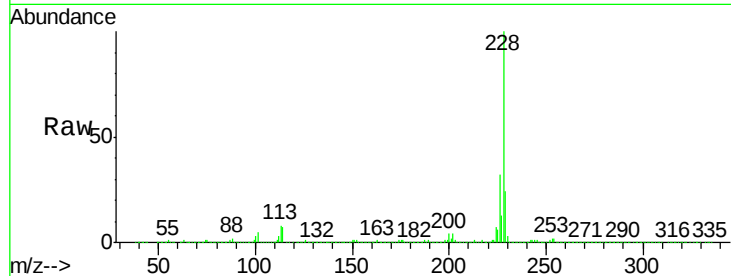
Tgt Ion:228 Resp: 1663939

Ion Ratio Lower Upper

228 100

226 32.5 21.0 31.4#

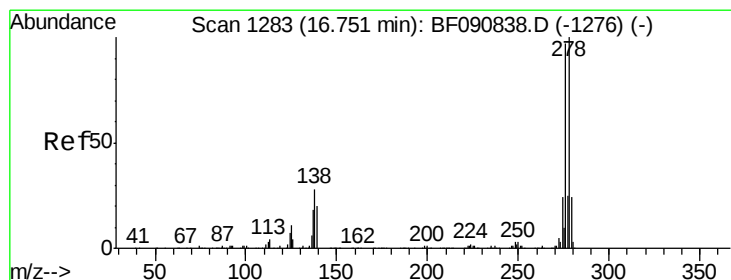
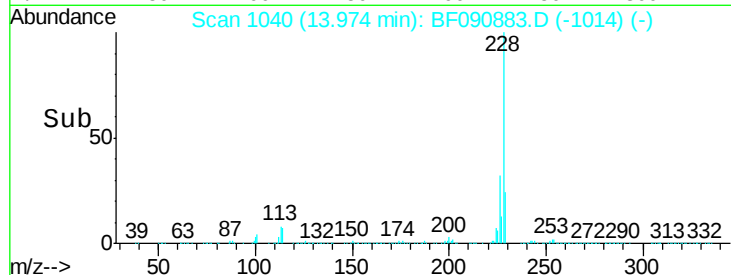
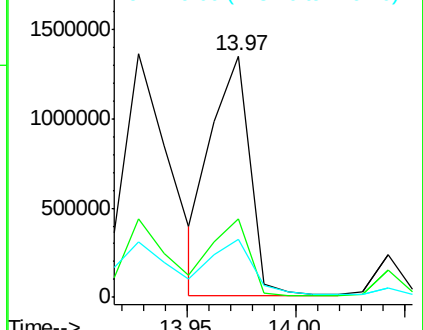
229 24.2 15.6 23.4#



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: 68.08 ng

RT: 16.73 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

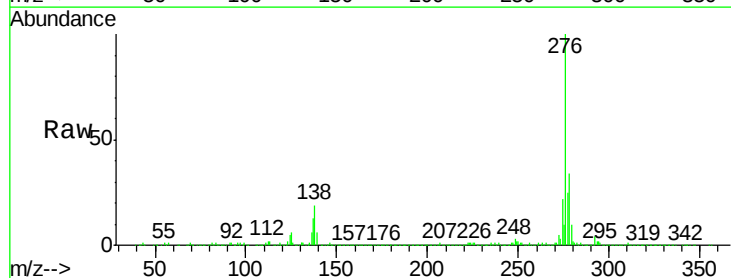
Tgt Ion:276 Resp: 1084743

Ion Ratio Lower Upper

276 100

138 22.0 25.7 38.5#

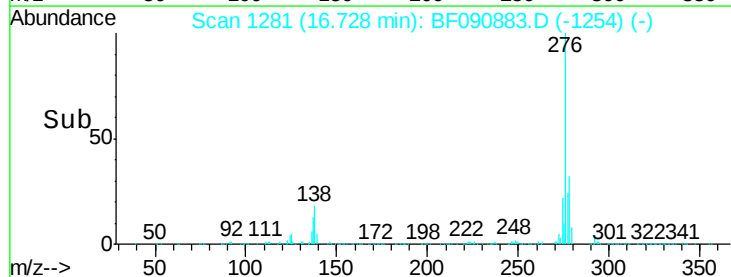
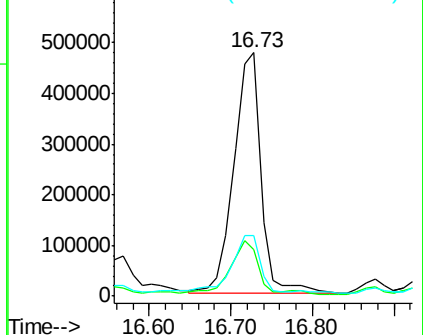
277 25.7 15.6 23.4#

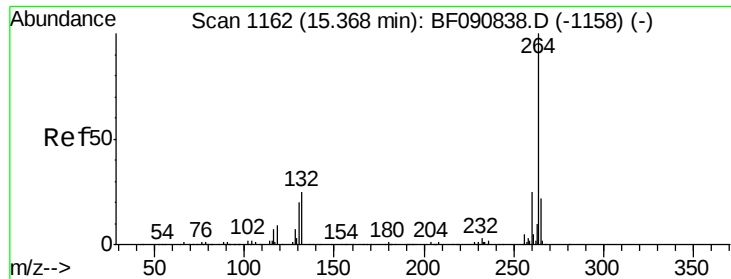


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF090838.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

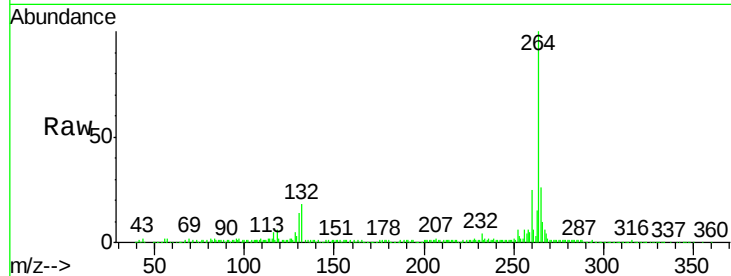
Tgt Ion:264 Resp: 397989

Ion Ratio Lower Upper

264 100

260 25.3 16.7 25.1#

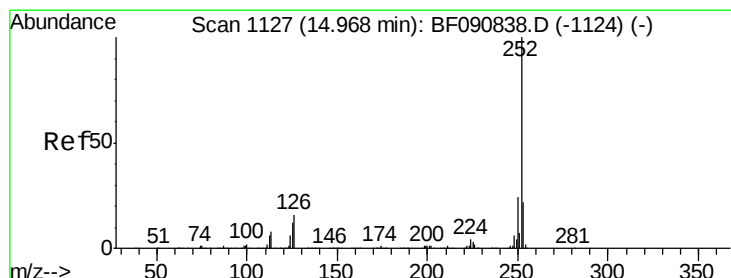
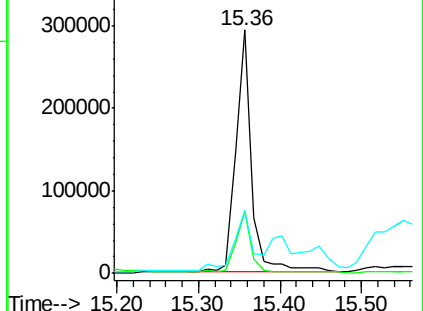
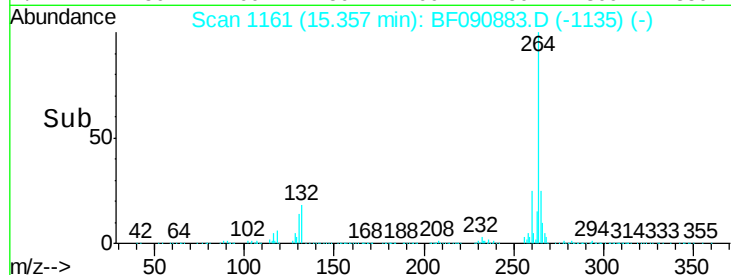
265 26.0 17.2 25.8#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 114.46 ng

RT: 14.97 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF090838.D

Acq: 27 Oct 2016 22:52

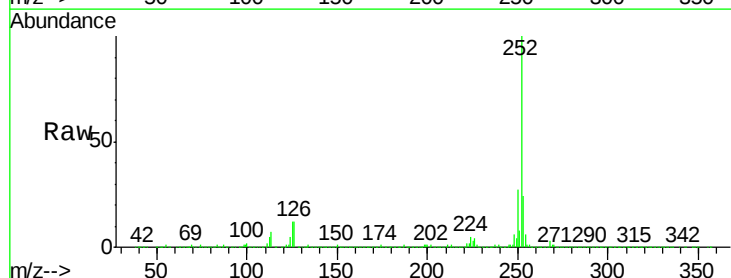
Tgt Ion:252 Resp: 3063127

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

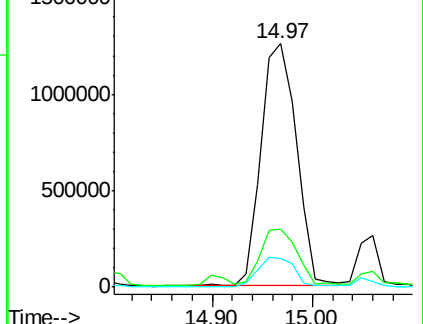
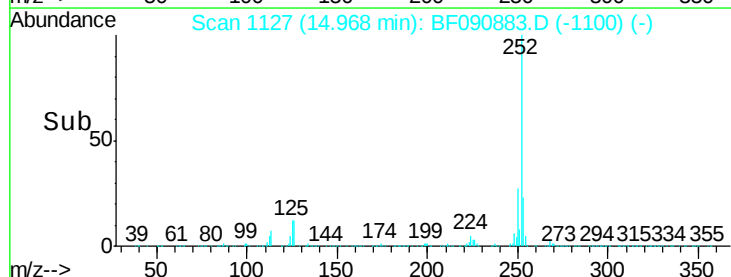
125 12.0 17.1 25.7#

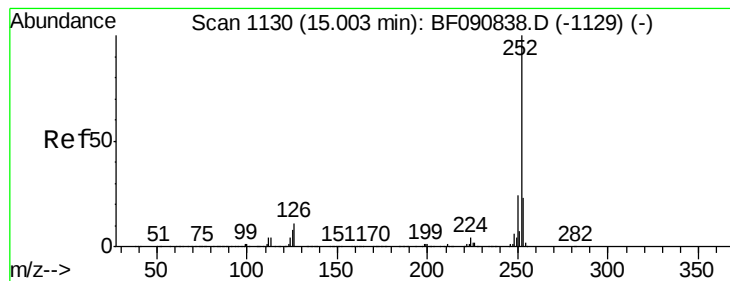


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 144.84 ng

RT: 14.97 min Scan# 1127

Delta R.T. -0.02 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

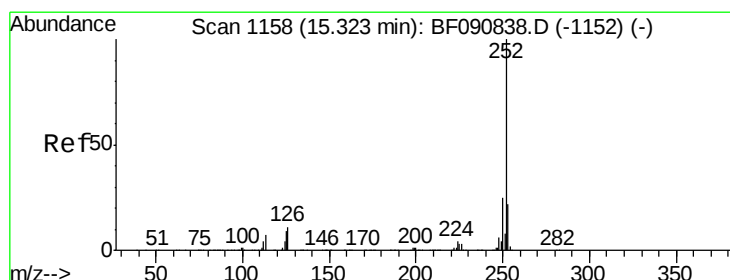
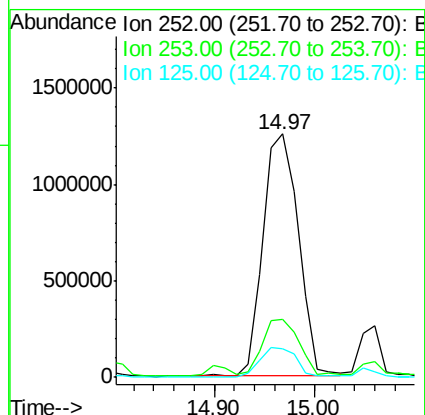
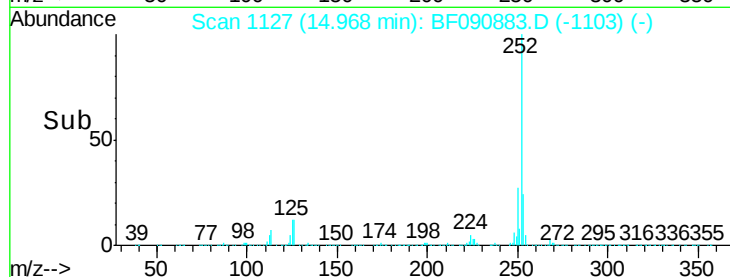
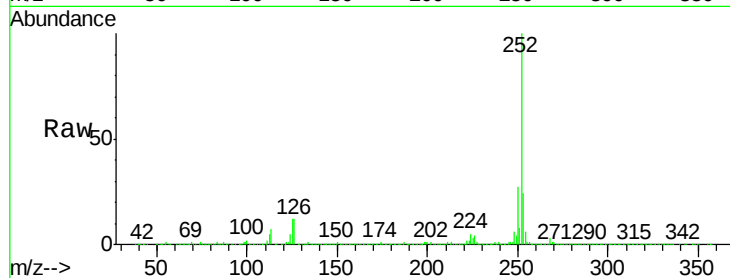
Tgt Ion:252 Resp: 3063127

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

125 12.0 16.0 24.0#



#89

Benzo(a)pyrene

Concen: 86.59 ng

RT: 15.30 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF090883.D

Acq: 27 Oct 2016 22:52

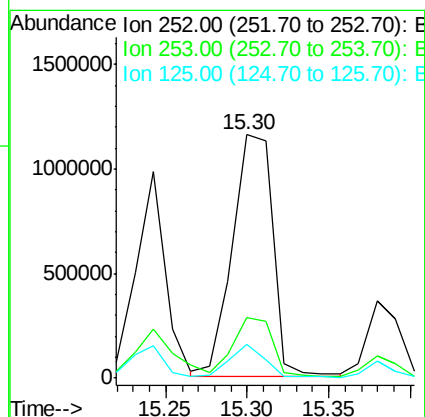
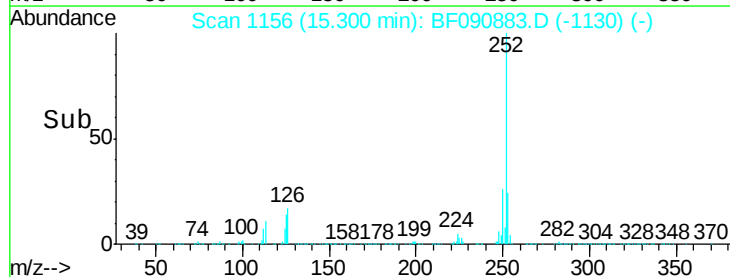
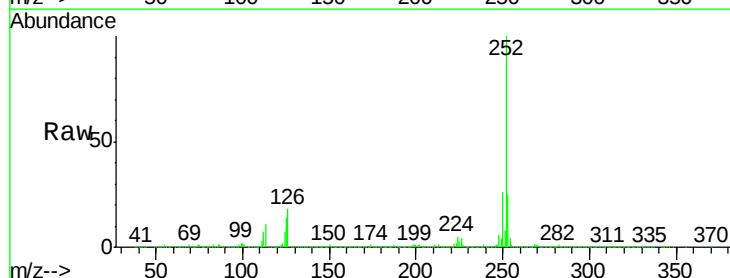
Tgt Ion:252 Resp: 1990998

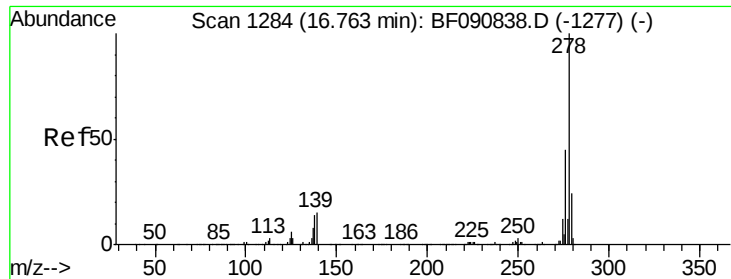
Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

125 13.8 18.0 27.0#





#90

Dibenzo(a,h)anthracene

Concen: 18.06 ng

RT: 16.73 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF090838.D

Acq: 27 Oct 2016 22:52

Instrument :

BNA_F

ClientSampleId :

SB-01-5.5-6.0-DUP

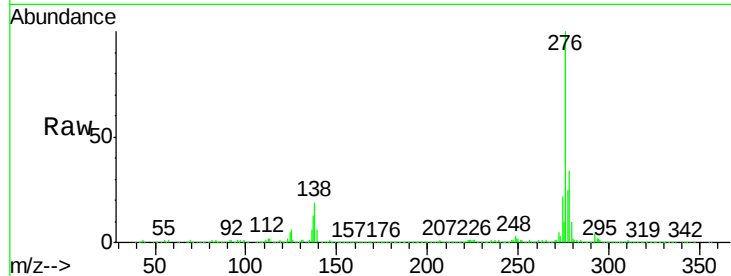
Tgt Ion:278 Resp: 351530

Ion Ratio Lower Upper

278 100

139 16.6 26.3 39.5#

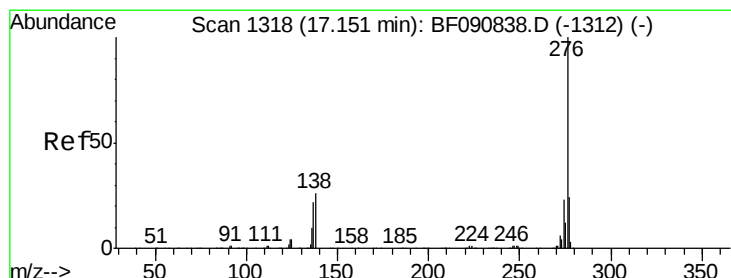
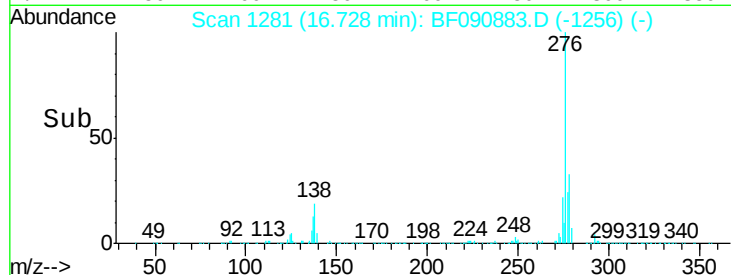
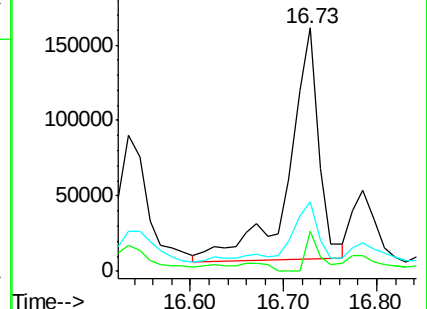
279 28.5 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 53.66 ng

RT: 17.13 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF090838.D

Acq: 27 Oct 2016 22:52

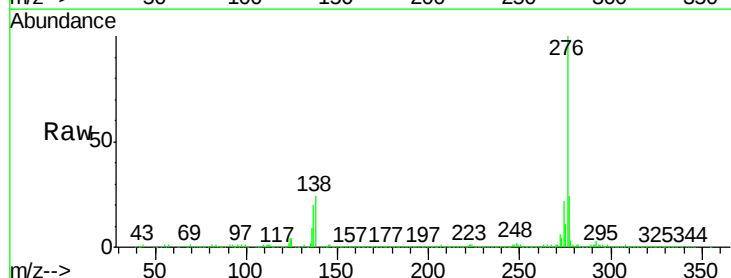
Tgt Ion:276 Resp: 983881

Ion Ratio Lower Upper

276 100

277 24.3 17.8 26.6

138 23.6 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

