

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082090.D
 Acq On : 6 Oct 2015 18:10
 Operator : UM/IZ
 Sample : G3906-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-02)

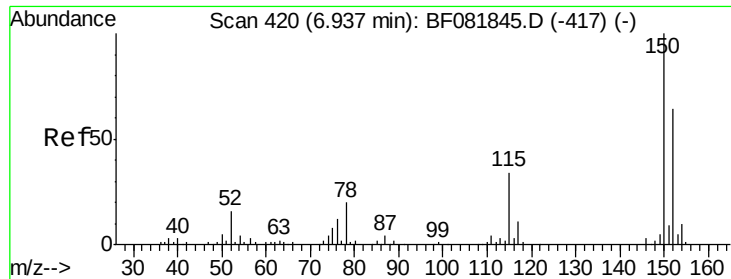
Quant Time: Oct 07 02:05:37 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 02:00:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	88112	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	339921	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	164689	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	327884	20.00	ng	0.00
75) Chrysene-d12	14.06	240	266268	20.00	ng	-0.01
86) Perylene-d12	15.51	264	229459	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	716379	147.59	ng	0.01
7) Phenol-d6	6.51	99	851691	139.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	555430	108.92	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	251425	150.74	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	946574	99.43	ng	0.00
78) Terphenyl-d14	13.01	244	1052395	182.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.04	79	9415	2.14	ng	# 29
19) n-Nitroso-di-n-propylamine	7.45	70	71567	19.28	ng	# 58
25) Isophorone	7.45	82	439608	43.50	ng	# 58
49) Dimethylphthalate	9.65	163	183391	16.13	ng	# 97
56) 2,4-Dinitrotoluene	9.92	165	21056	6.69	ng	# 33
57) Fluorene	10.47	166	9094	Below Cal		# 91
66) 4-Bromophenyl-phenylether	10.72	248	16905	5.11	ng	# 1
70) Phenanthrene	11.44	178	113254	5.72	ng	98
71) Anthracene	11.49	178	38871	2.33	ng	96
73) Di-n-butylphthalate	11.98	149	1559	Below Cal		# 78
74) Fluoranthene	12.63	202	161457	9.19	ng	86
77) Pyrene	12.86	202	142031	8.93	ng	98
80) Benzo(a)anthracene	14.05	228	75270	5.25	ng	95
82) Chrysene	14.05	228	75270	4.90	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	25921	2.31	ng	96
87) Benzo(b)fluoranthene	15.09	252	80942	6.18	ng	# 89
88) Benzo(k)fluoranthene	15.09	252	80942	6.74	ng	# 89
89) Benzo(a)pyrene	15.44	252	44177	3.89	ng	# 86
91) Benzo(a,h,i)perylene	17.36	276	26170	2.68	ng	# 78

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-02)

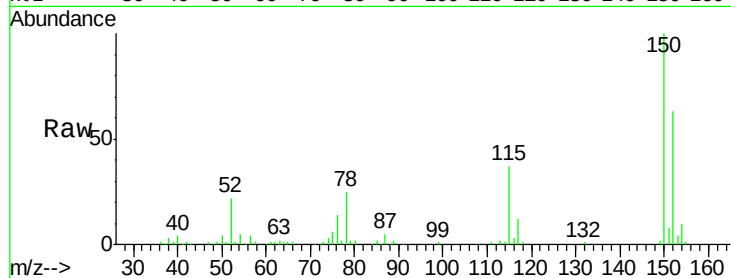
Tot Ion:152 Resp: 88112

Ion Ratio Lower Upper

152 100

150 157.6 124.7 187.1

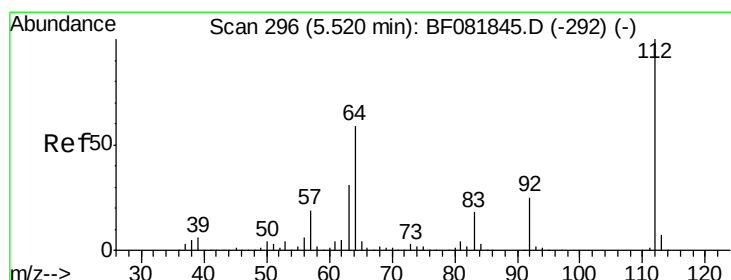
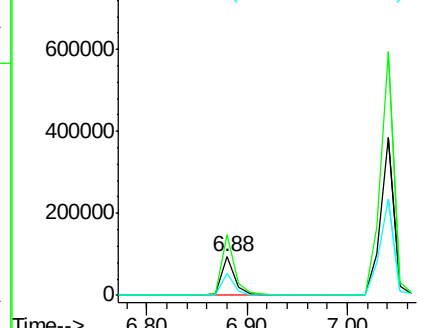
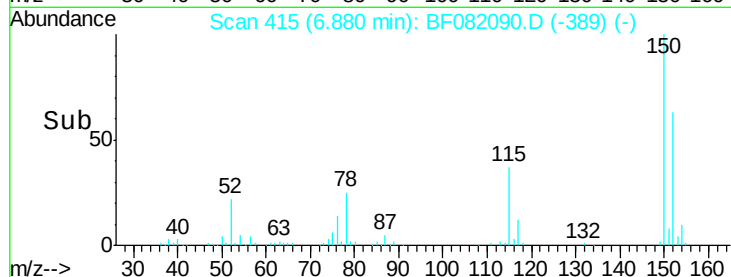
115 58.7 39.0 58.4#



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: 147.59 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

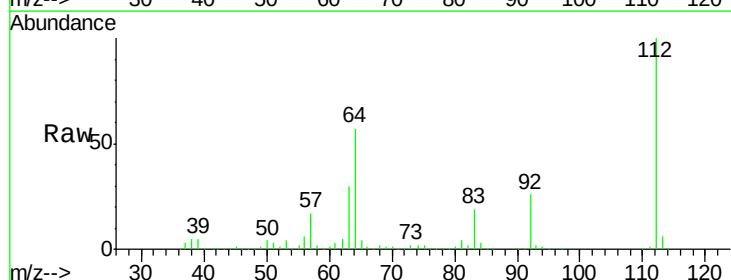
Tgt Ion:112 Resp: 716379

Ion Ratio Lower Upper

112 100

64 57.0 39.7 59.5

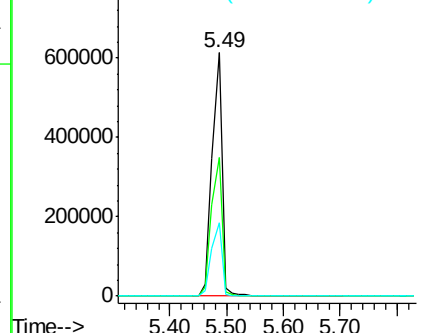
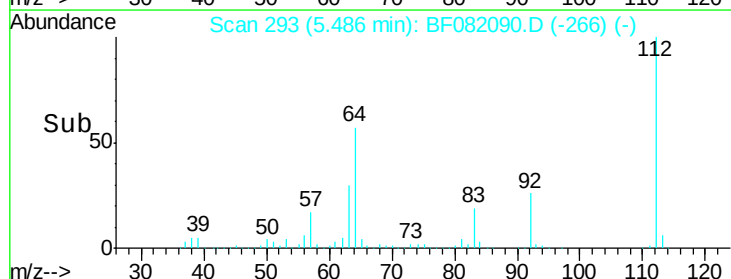
63 30.1 17.4 26.0#

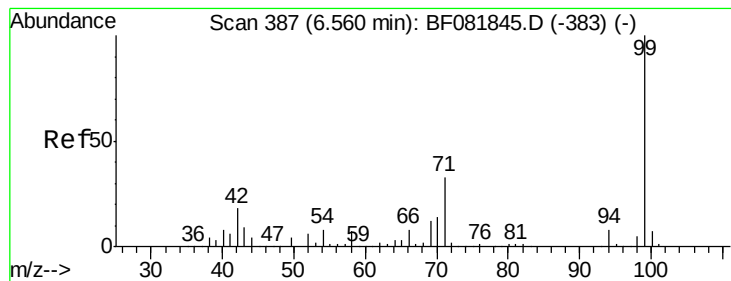


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.45 ng

RT: 6.51 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-02)

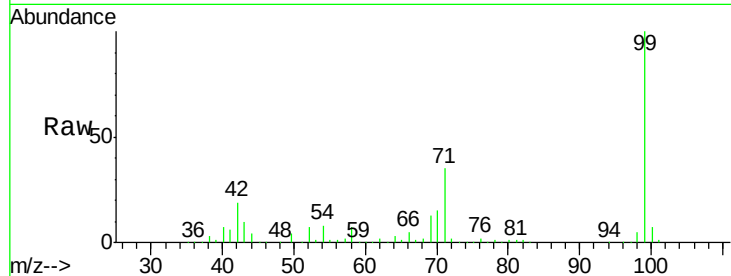
Tot Ion: 99 Resp: 851691

Ion Ratio Lower Upper

99 100

42 18.6 13.7 20.5

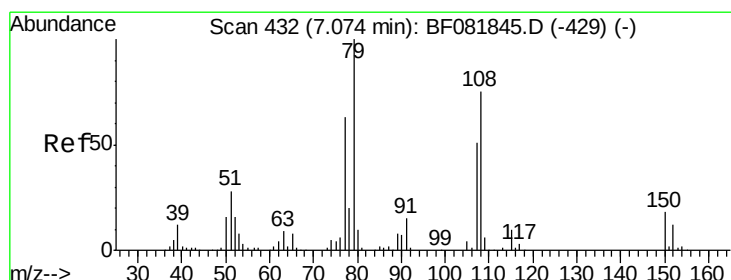
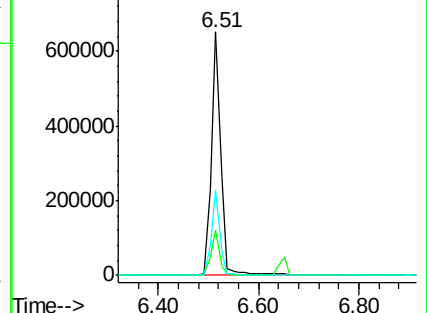
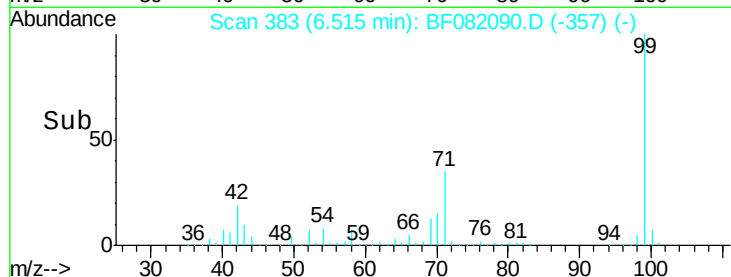
71 34.9 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.04 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

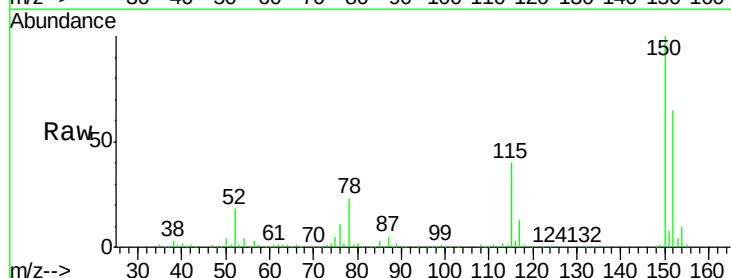
Tgt Ion: 79 Resp: 9415

Ion Ratio Lower Upper

79 100

108 35.2 88.6 132.8#

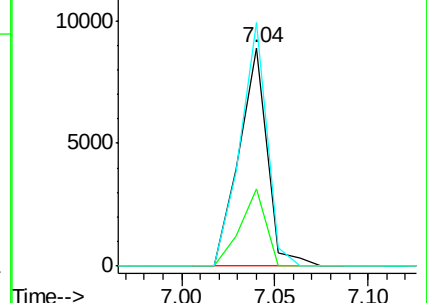
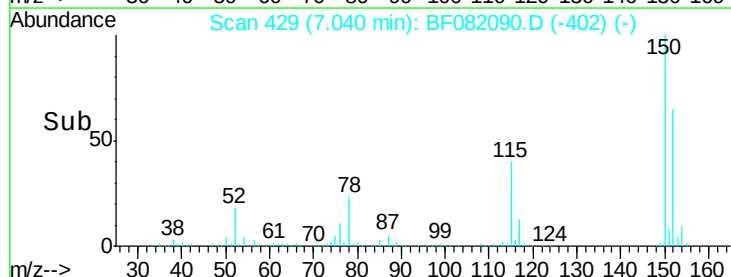
77 111.4 47.0 70.4#

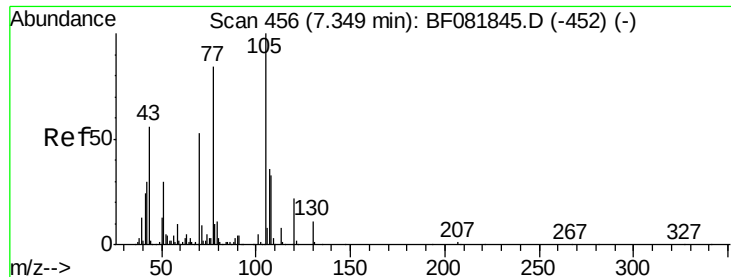


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

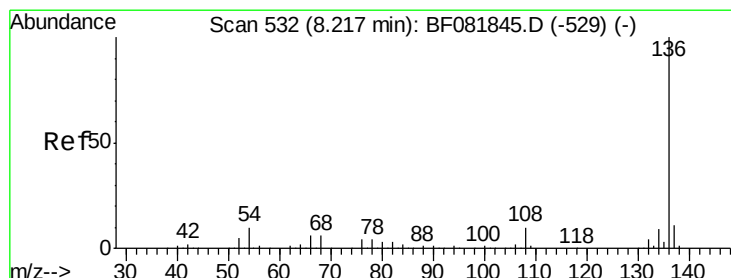
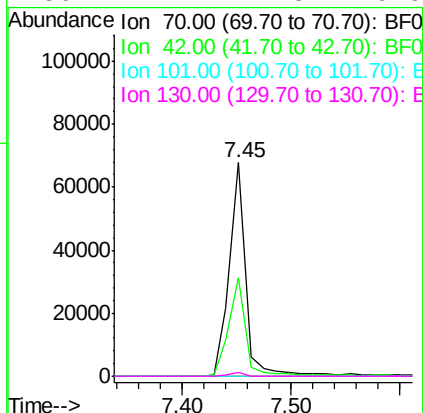
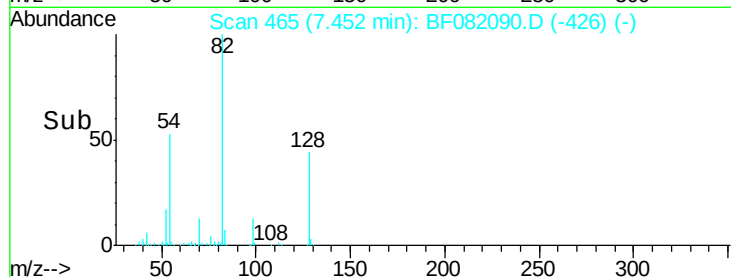
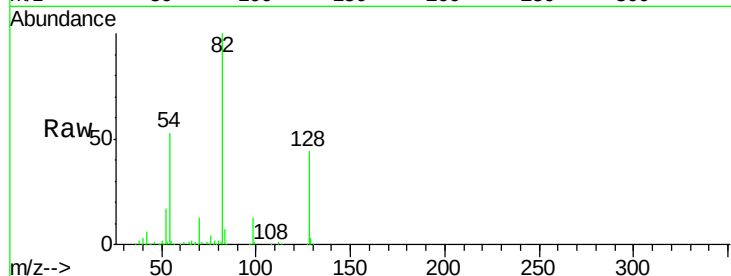




#19
n-Nitroso-di-n-propylamine
Concen: 19.28 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

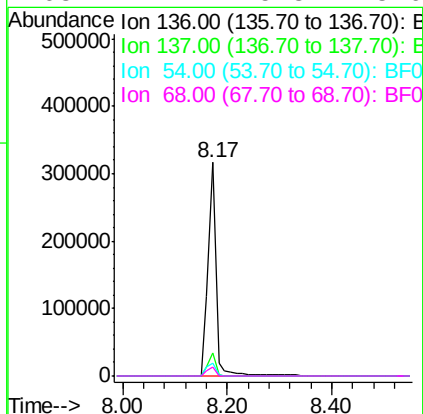
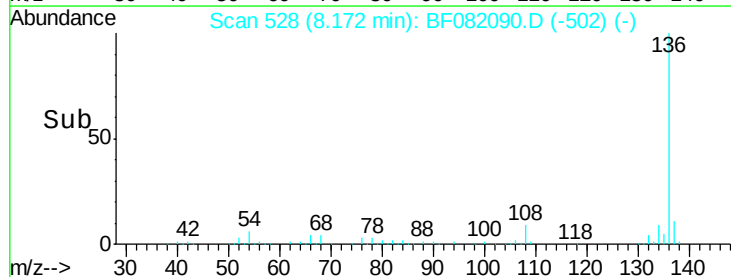
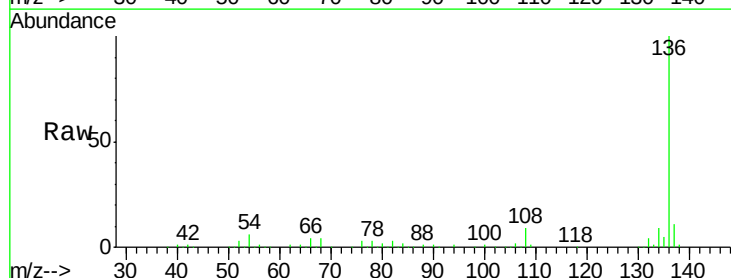
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-02)

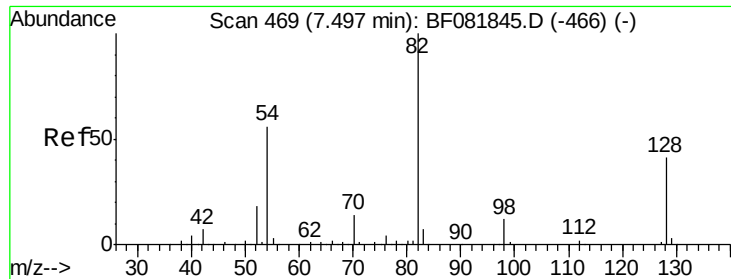
Tot Ion: 70 Resp: 71567
Ion Ratio Lower Upper
70 100
42 46.1 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Tgt Ion: 136 Resp: 339921
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 6.1 8.2 12.2#
68 4.1 5.8 8.6#

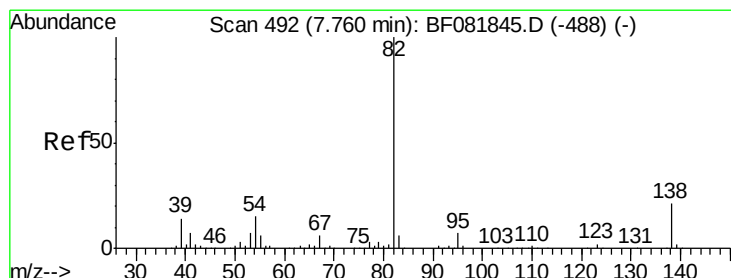
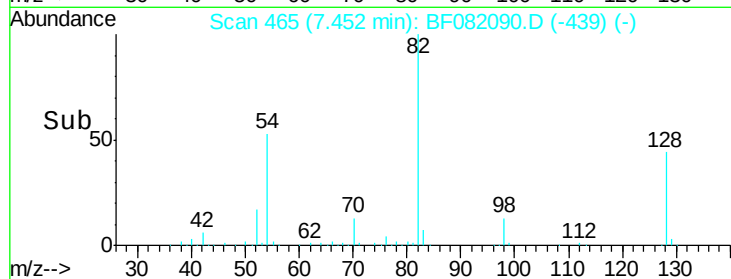
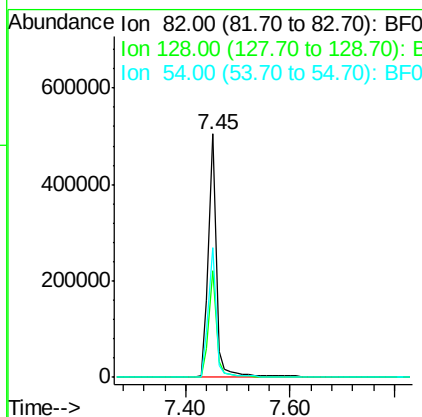
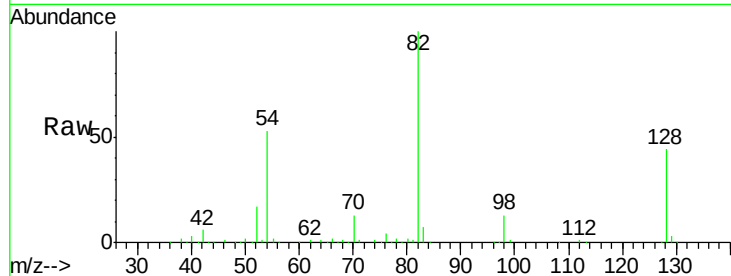




#23
 Nitrobenzene-d5
 Concen: 108.92 ng
 RT: 7.45 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

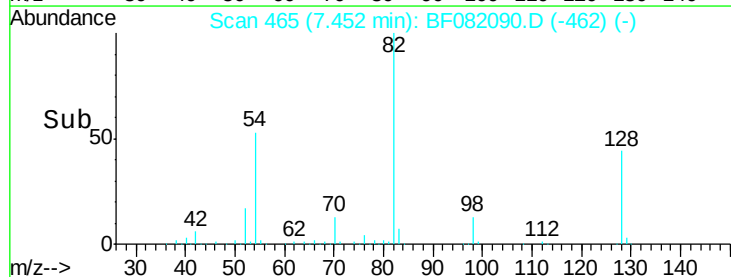
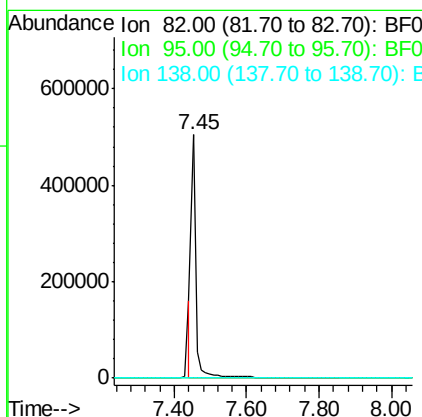
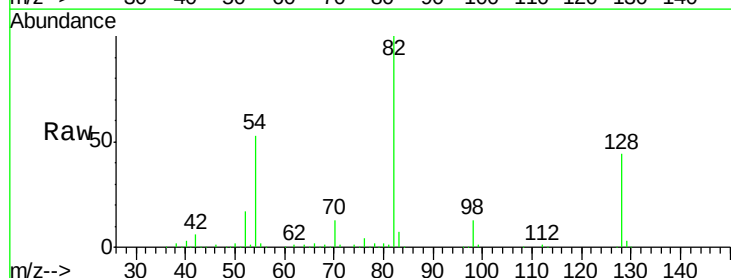
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-02)

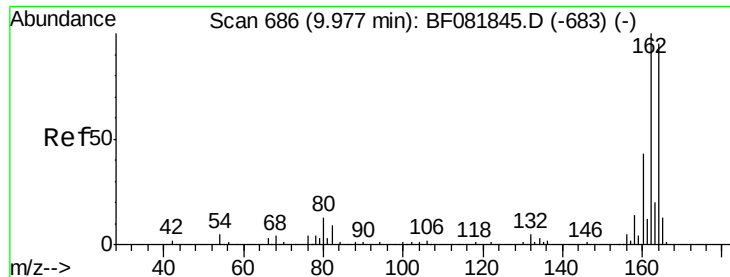
Tot Ion: 82 Resp: 555430
 Ion Ratio Lower Upper
 82 100
 128 43.8 51.0 76.6#
 54 53.1 47.5 71.3



#25
 Isophorone
 Concen: 43.50 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.26 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion: 82 Resp: 439608
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#

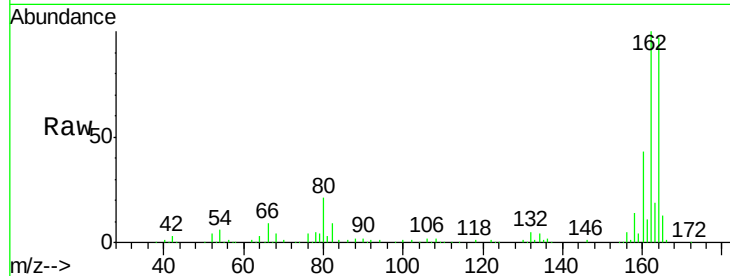




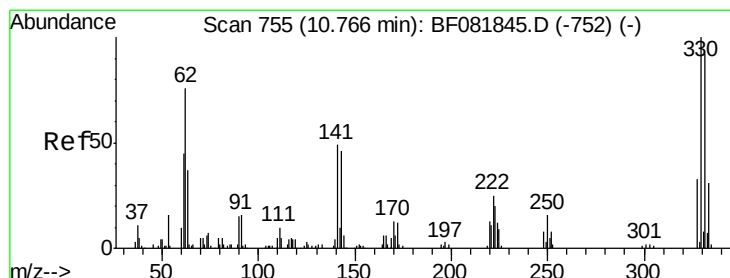
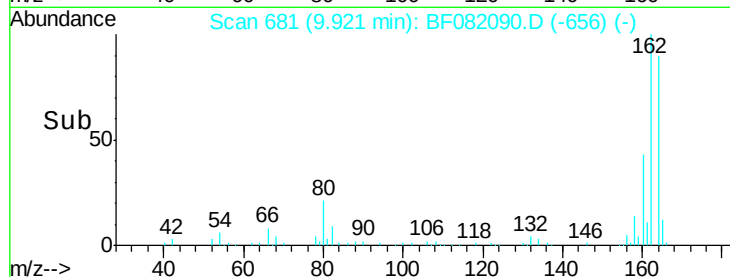
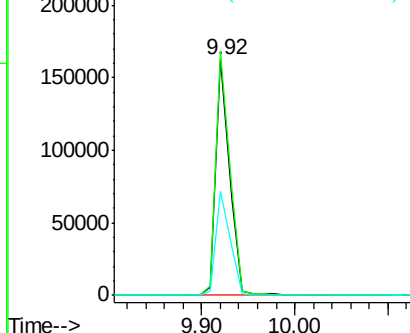
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-02)

Tot Ion:164 Resp: 164689
Ion Ratio Lower Upper
164 100
162 103.4 75.2 112.8
160 44.3 31.5 47.3

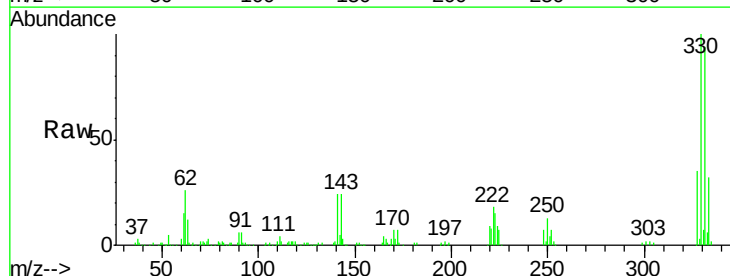


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

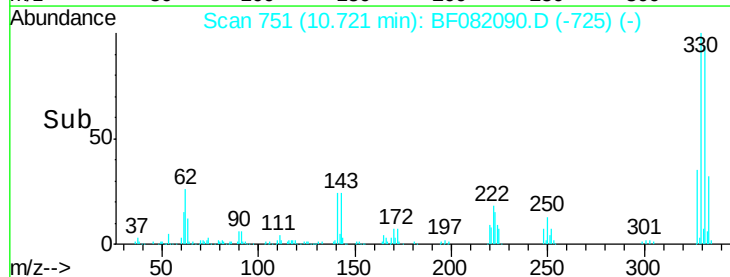
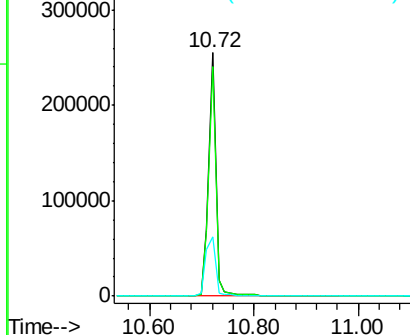


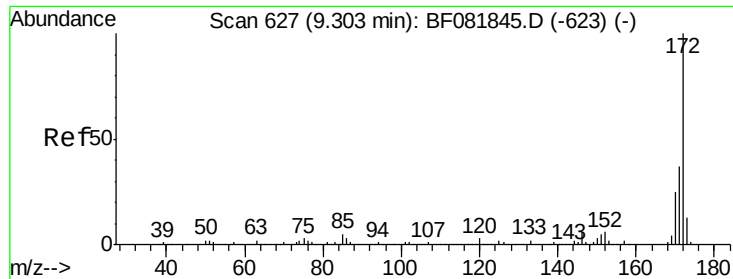
#41
2,4,6-Tribromophenol
Concen: 150.74 ng
RT: 10.72 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Tgt Ion:330 Resp: 251425
Ion Ratio Lower Upper
330 100
332 94.9 76.6 114.8
141 33.3 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

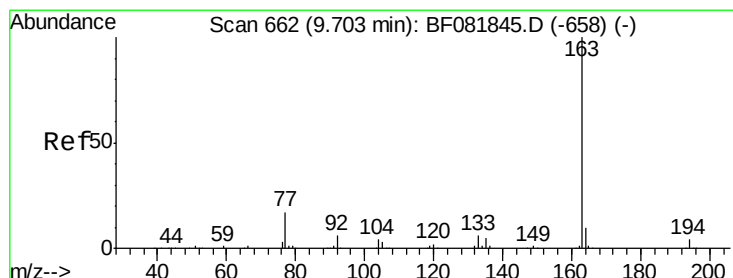
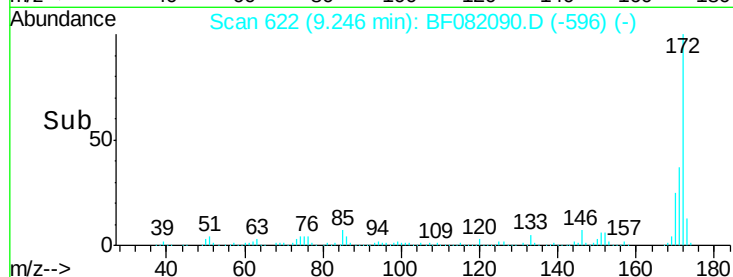
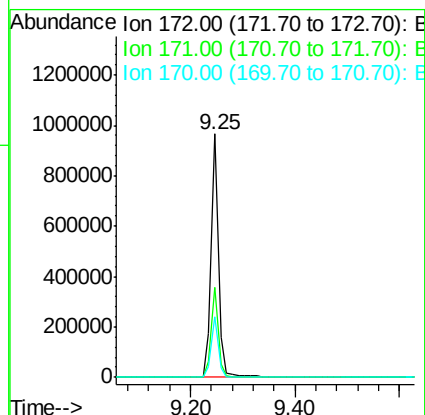
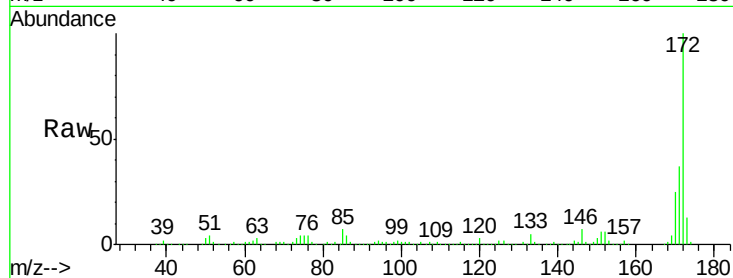




#44
 2-Fluorobiphenyl
 Concen: 99.43 ng
 RT: 9.25 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

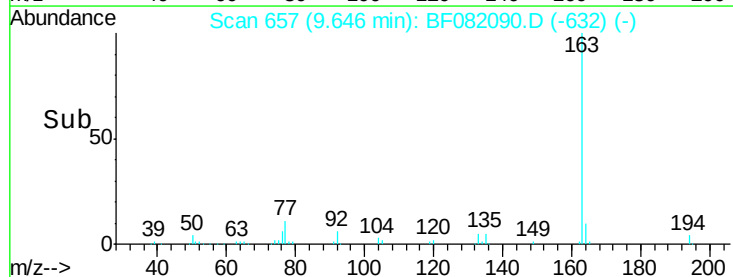
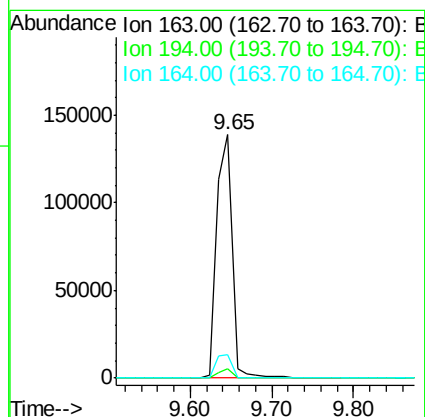
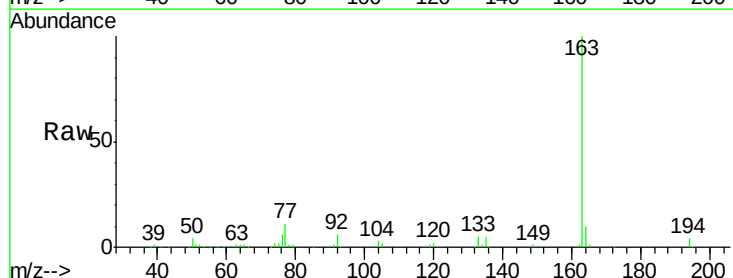
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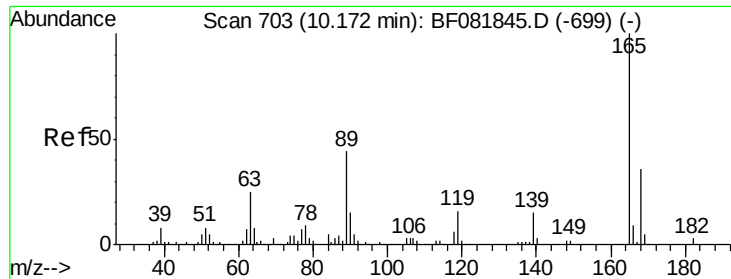
Tot Ion:172 Resp: 946574
 Ion Ratio Lower Upper
 172 100
 171 36.8 26.1 39.1
 170 24.9 17.4 26.2



#49
 Dimethylphthalate
 Concen: 16.13 ng
 RT: 9.65 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion:163 Resp: 183391
 Ion Ratio Lower Upper
 163 100
 194 4.1 4.4 6.6#
 164 9.5 8.3 12.5

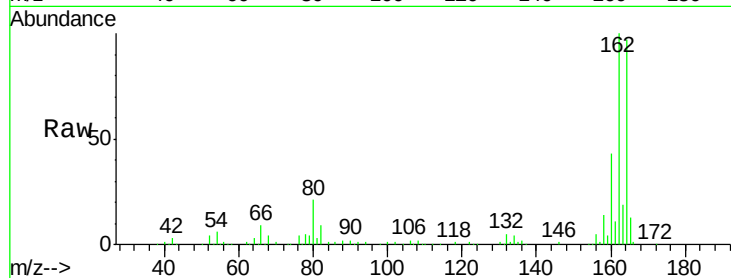




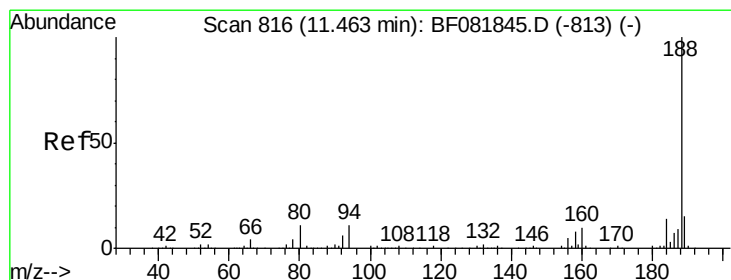
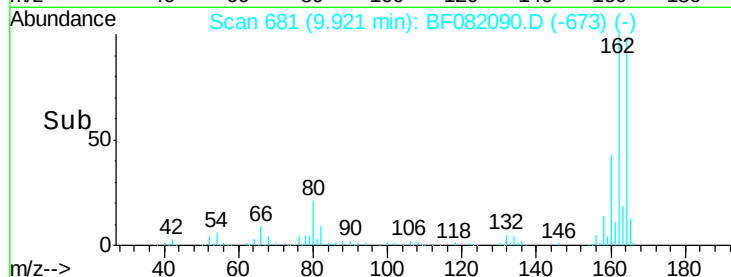
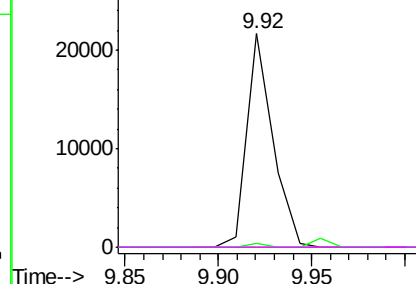
#56
 2,4-Dinitrotoluene
 Concen: 6.69 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.21 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-02)

Tot Ion:165 Resp: 21056
 Ion Ratio Lower Upper
 165 100
 63 1.7 29.8 44.6#
 89 0.0 44.5 66.7#
 182 0.0 3.0 4.4#

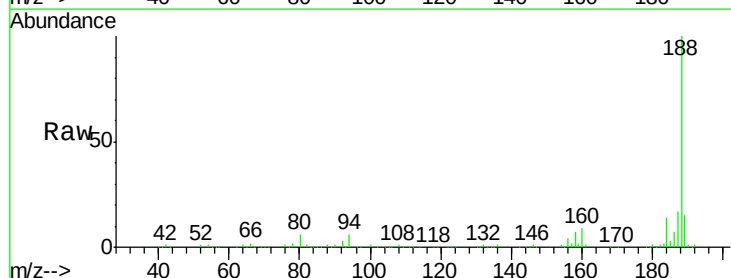


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

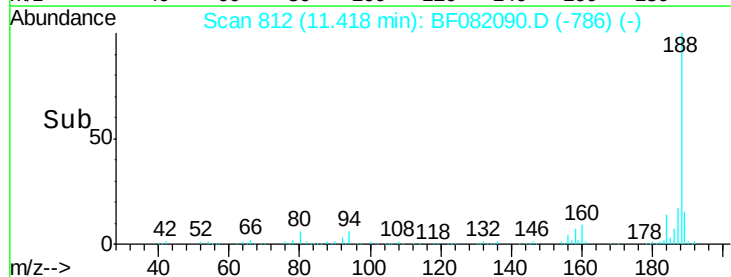
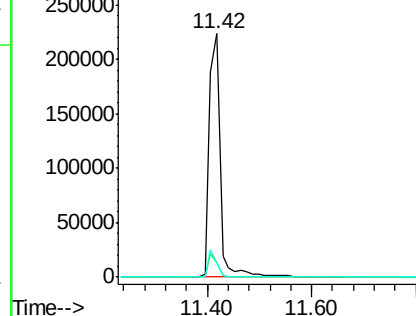


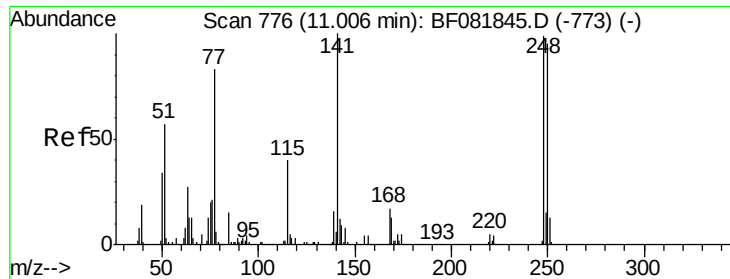
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion:188 Resp: 327884
 Ion Ratio Lower Upper
 188 100
 94 5.9 11.1 16.7#
 80 5.9 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

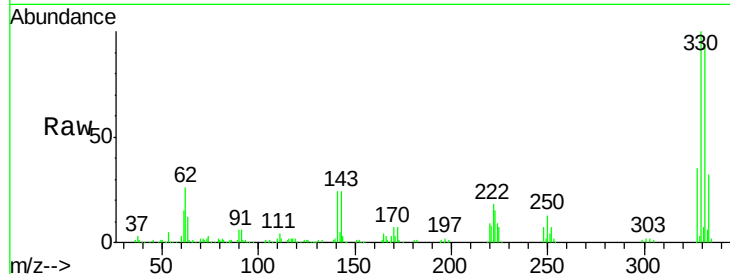




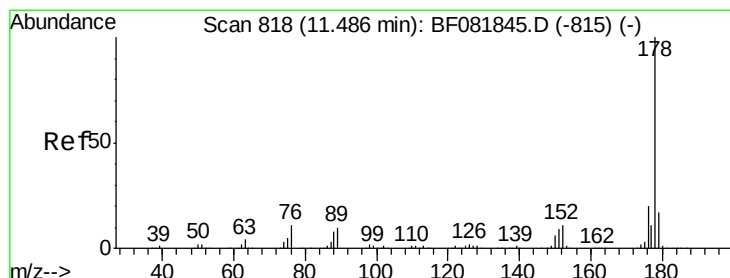
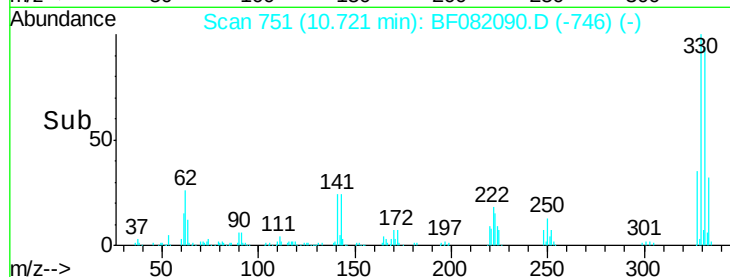
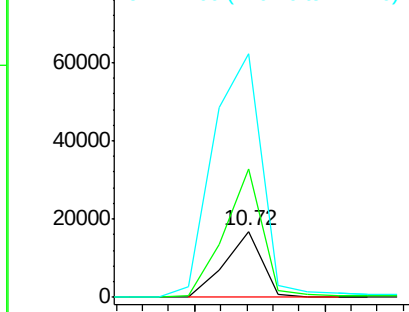
#66
4-Bromophenyl-phenylether
Concen: 5.11 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-02)

Tot Ion:248 Resp: 16905
Ion Ratio Lower Upper
248 100
250 196.3 78.5 117.7#
141 370.7 59.0 88.6#

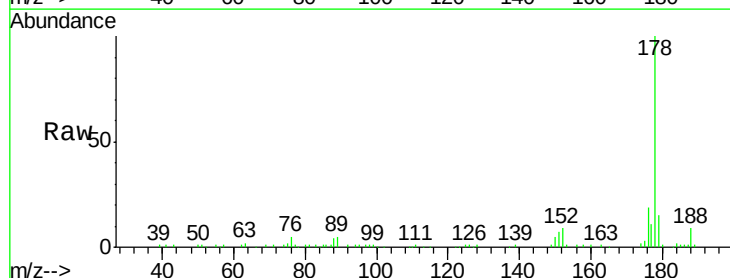


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

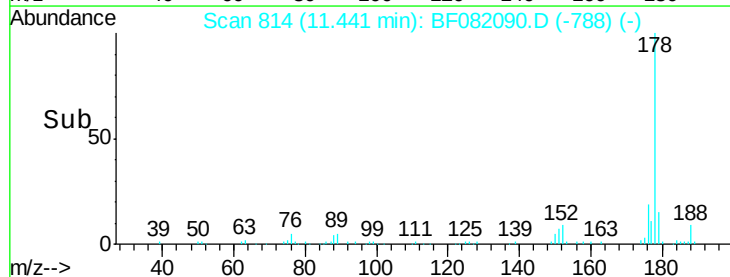
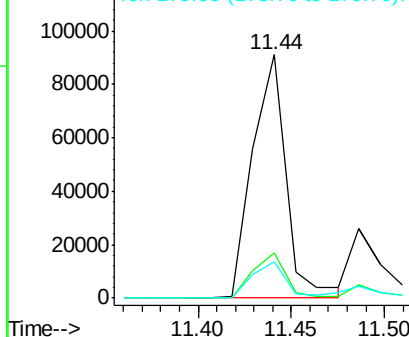


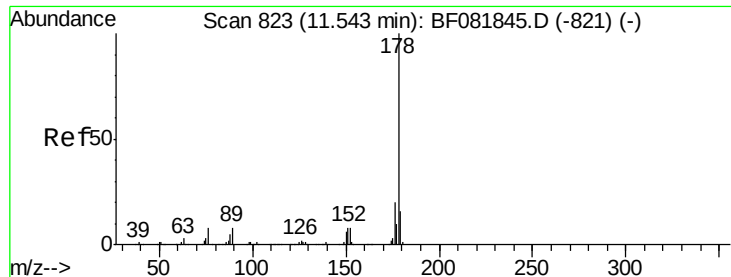
#70
Phenanthrene
Concen: 5.72 ng
RT: 11.44 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Tgt Ion:178 Resp: 113254
Ion Ratio Lower Upper
178 100
176 18.7 13.8 20.8
179 15.0 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

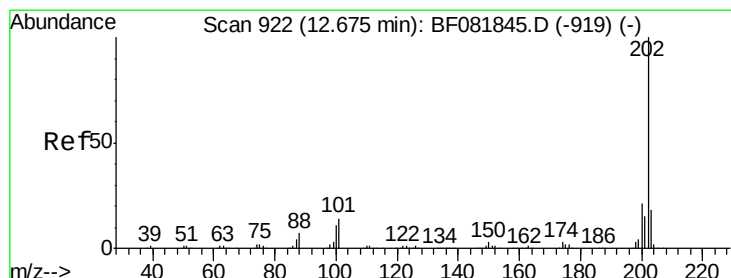
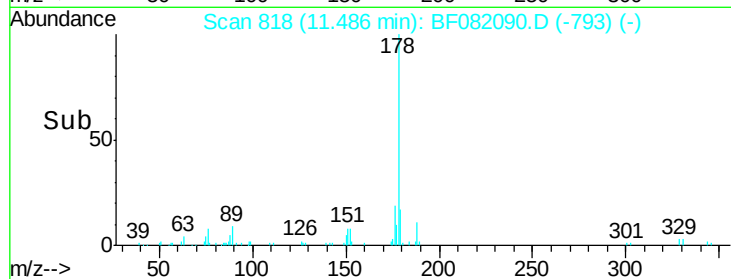
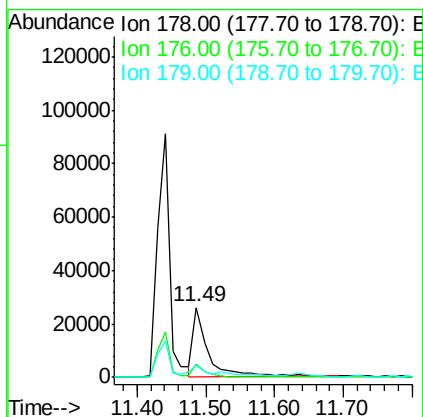
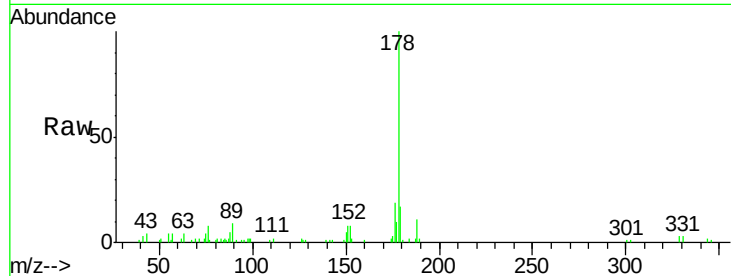




#71
 Anthracene
 Concen: 2.33 ng
 RT: 11.49 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

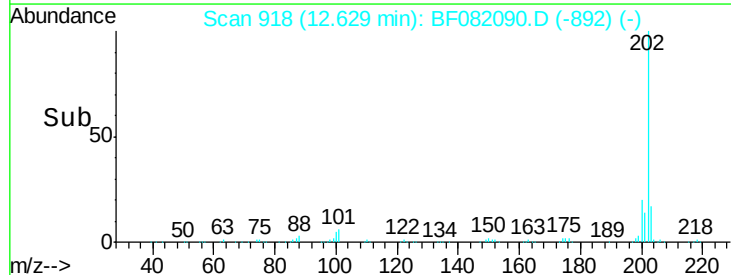
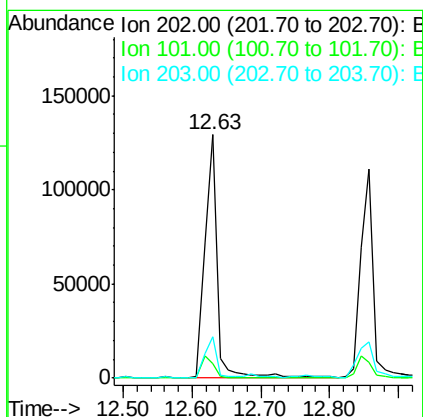
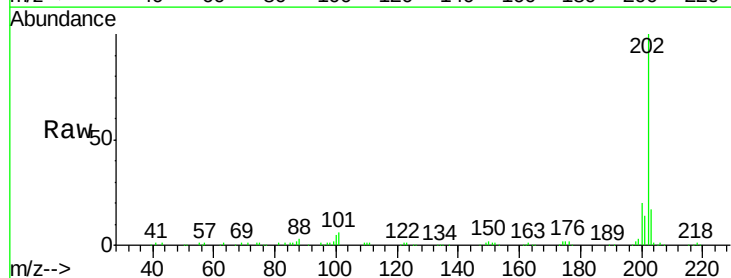
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-02)

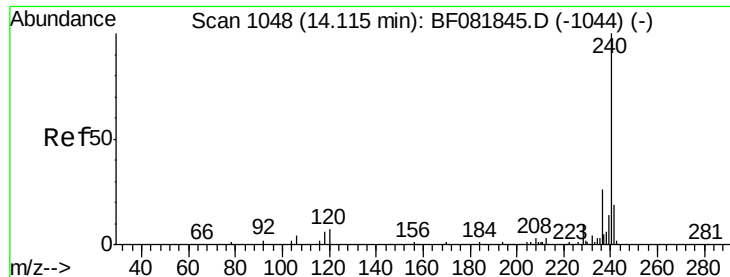
Tot Ion:178 Resp: 38871
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.1 21.1
 179 16.8 12.2 18.2



#74
 Fluoranthene
 Concen: 9.19 ng
 RT: 12.63 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion:202 Resp: 161457
 Ion Ratio Lower Upper
 202 100
 101 6.2 0.0 38.3
 203 17.2 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-02)

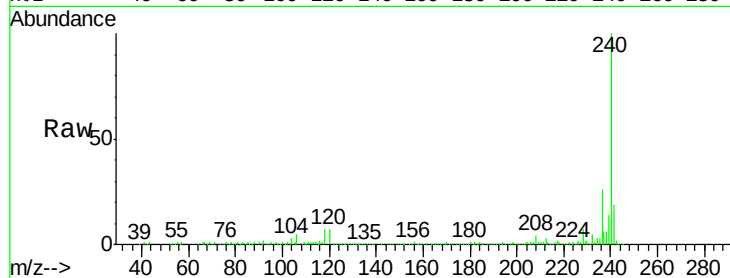
Tot Ion:240 Resp: 266268

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

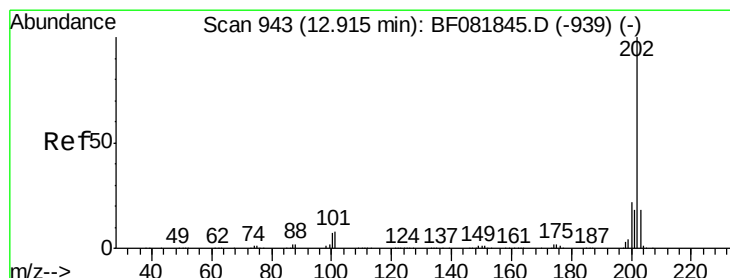
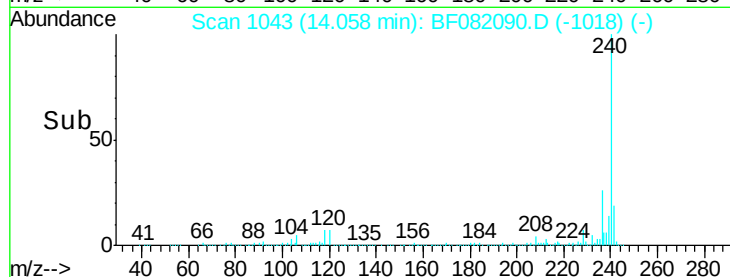
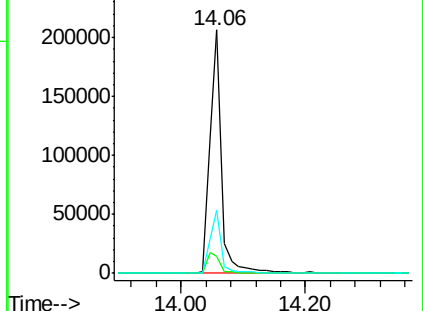
236 25.8 18.4 27.6



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: 8.93 ng

RT: 12.86 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

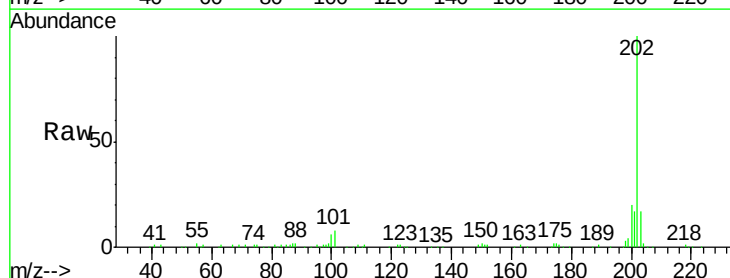
Tgt Ion:202 Resp: 142031

Ion Ratio Lower Upper

202 100

200 20.4 15.0 22.4

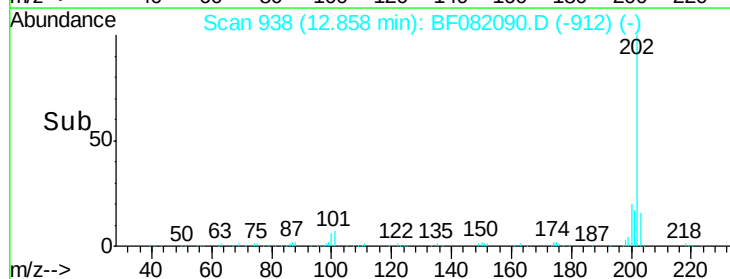
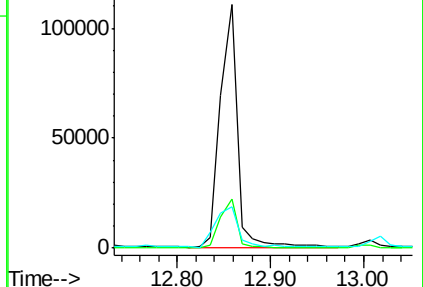
203 17.1 14.1 21.1

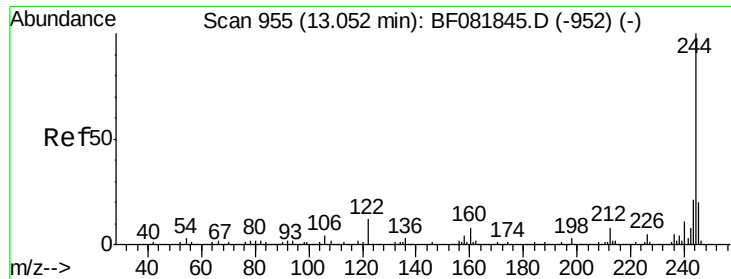


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

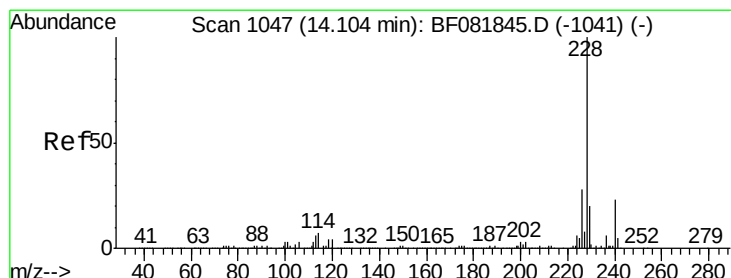
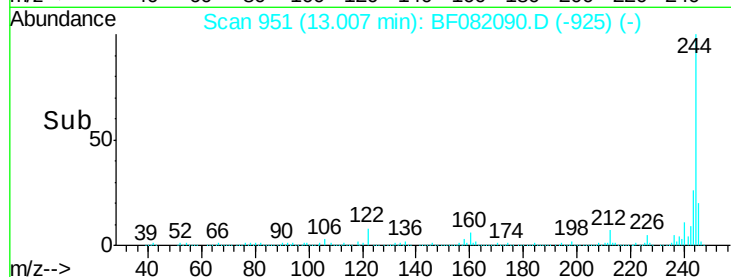
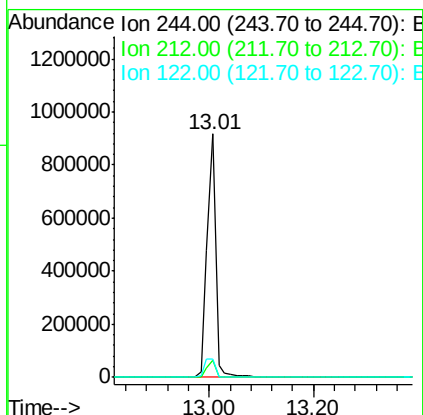
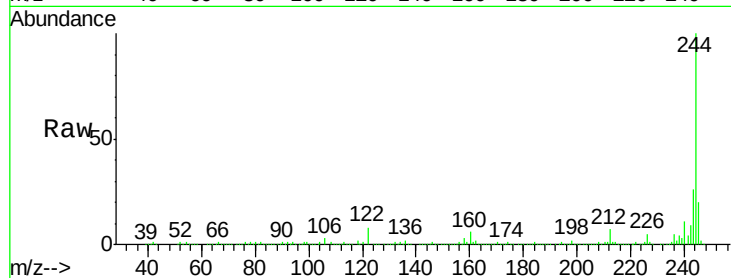




#78
 Terphenyl-d14
 Concen: 182.36 ng
 RT: 13.01 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

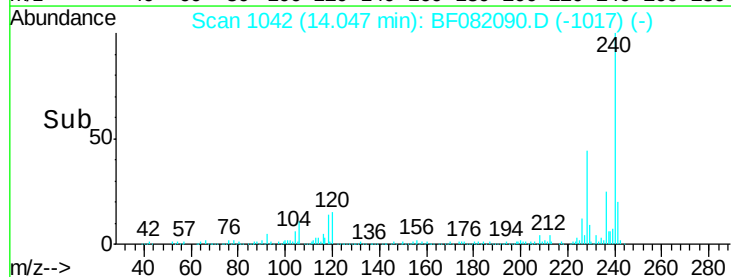
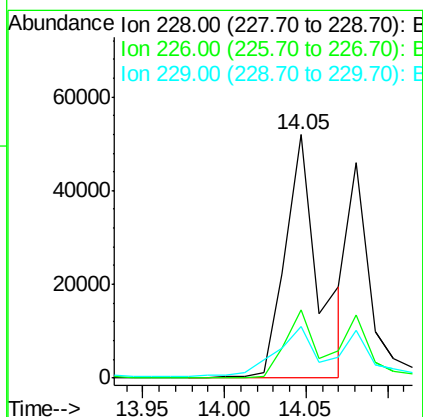
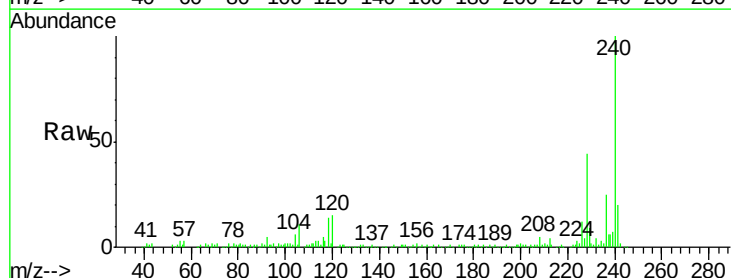
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-02)

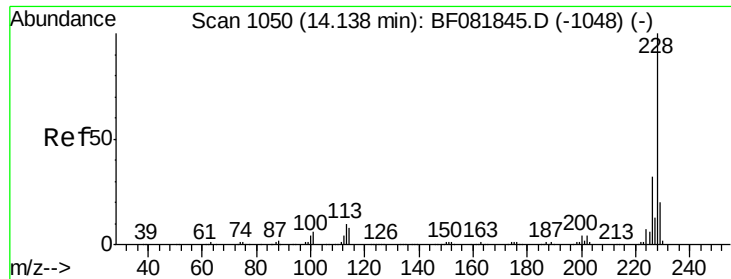
Tot Ion:244 Resp: 1052395
 Ion Ratio Lower Upper
 244 100
 212 7.2 4.3 6.5#
 122 7.7 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 5.25 ng
 RT: 14.05 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion:228 Resp: 75270
 Ion Ratio Lower Upper
 228 100
 226 27.9 20.0 30.0
 229 21.0 15.4 23.2





#82

Chrysene

Concen: 4.90 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Instrument :

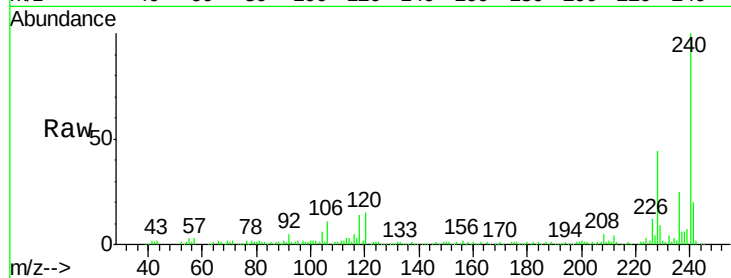
BNA_F

ClientSampleId :

IM-MLA-(2.5-02)

Tot Ion:228 Resp: 75270

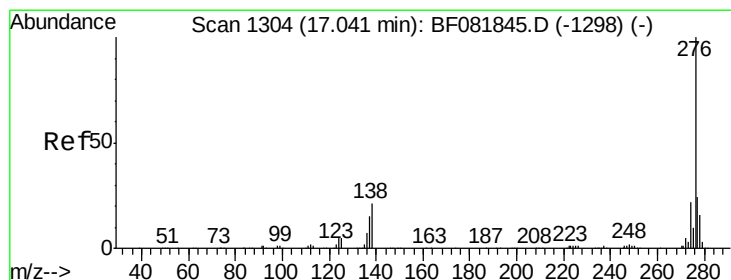
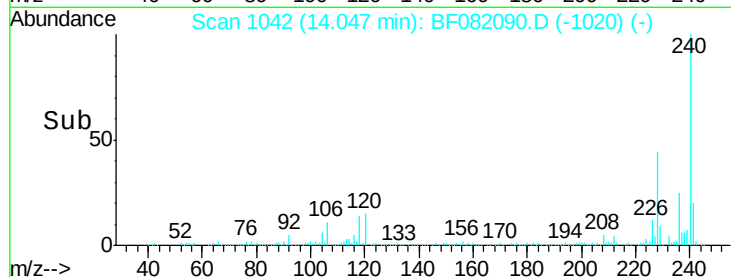
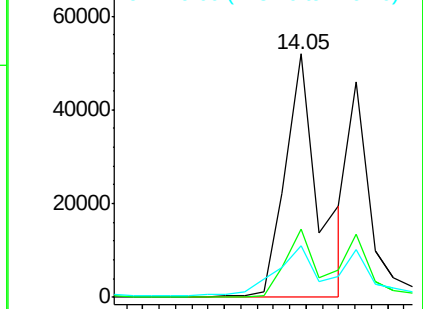
Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.0	31.4
229	21.0	15.6	23.4



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: 2.31 ng

RT: 16.93 min Scan# 1294

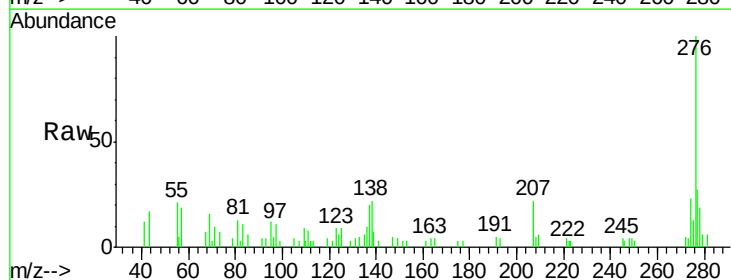
Delta R.T. -0.02 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Tgt Ion:276 Resp: 25921

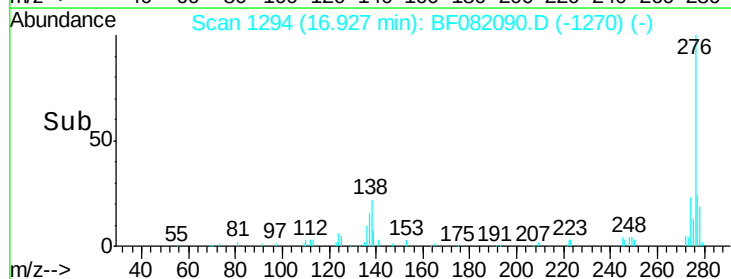
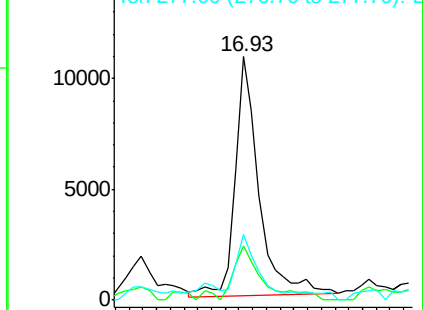
Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.7	38.5
277	20.6	15.6	23.4

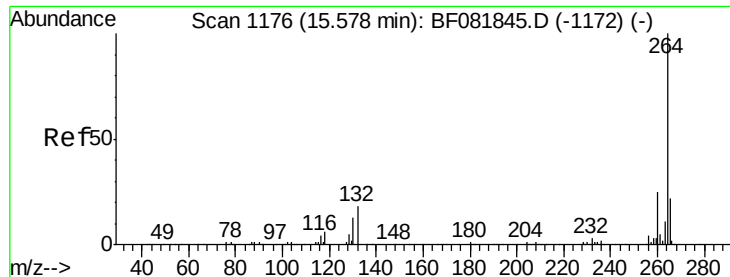


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



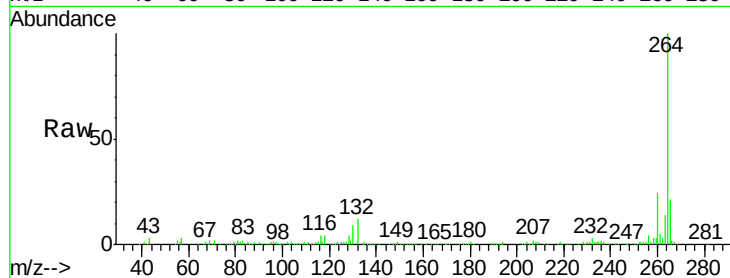


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

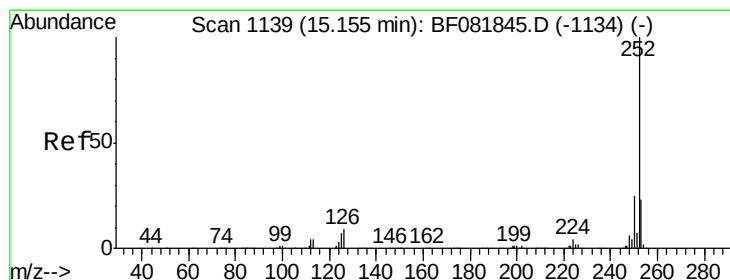
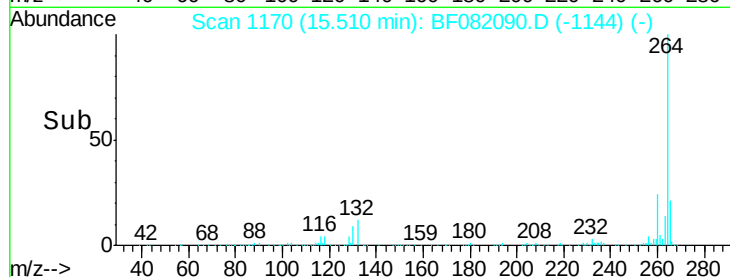
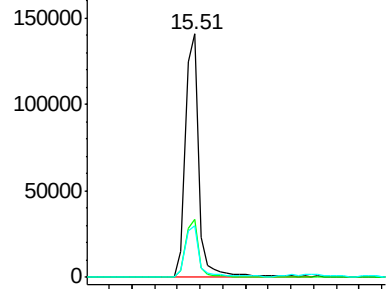
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-02)

Tot Ion:264 Resp: 229459

Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	21.2	17.2	25.8



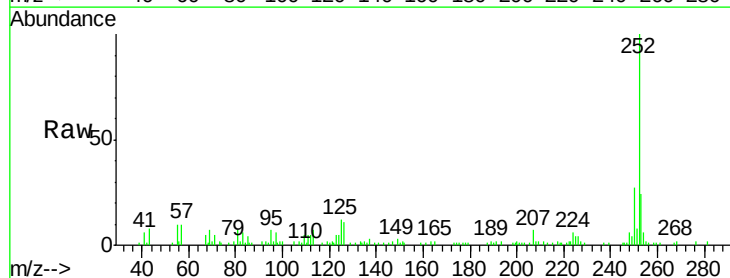
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



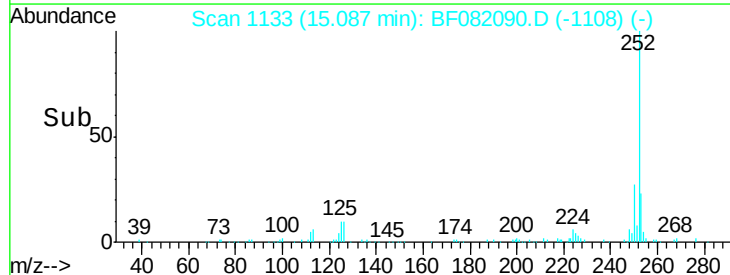
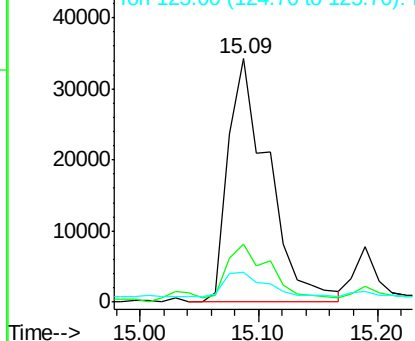
#87
Benzo(b)fluoranthene
Concen: 6.18 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

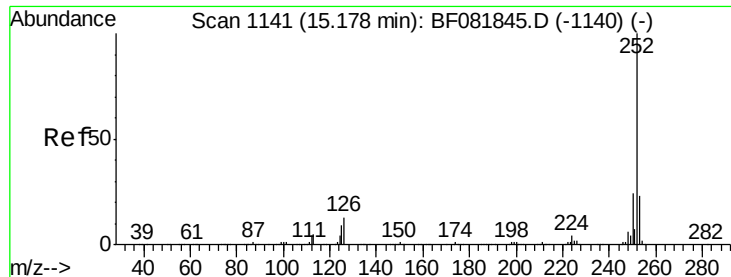
Tgt Ion:252 Resp: 80942

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	12.4	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

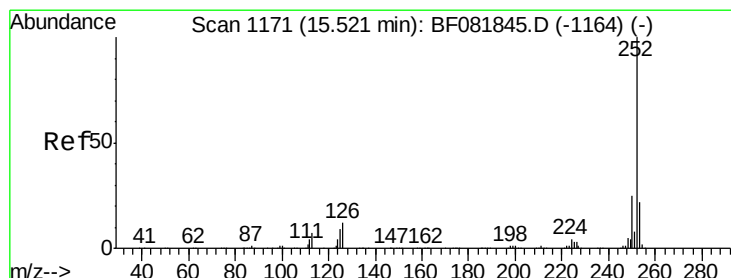
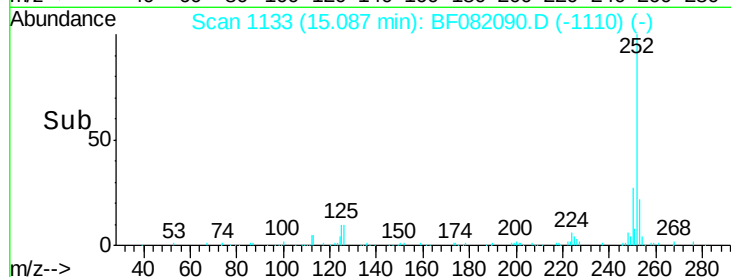
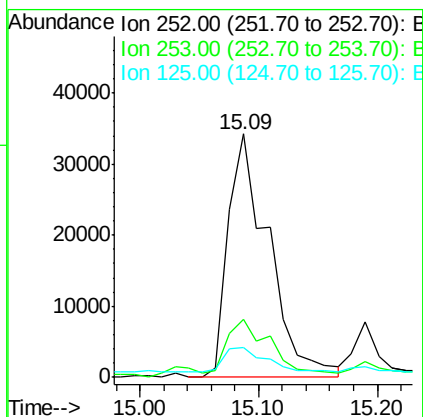
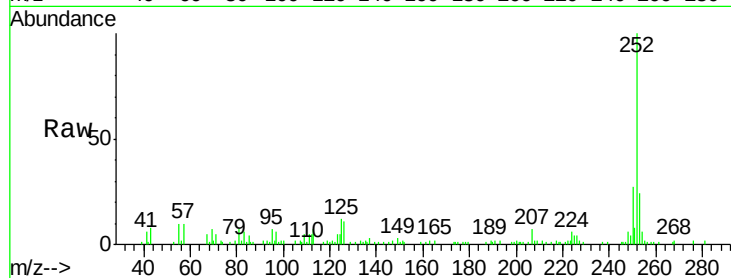




#88
Benzo(k)fluoranthene
Concen: 6.74 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

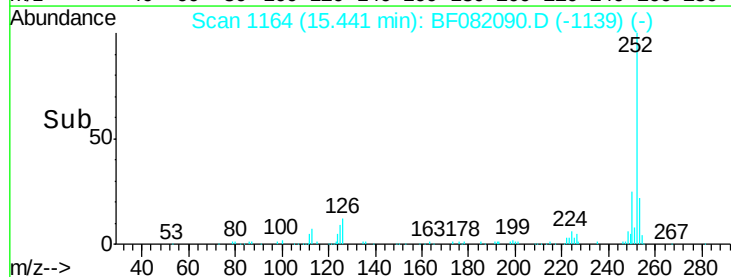
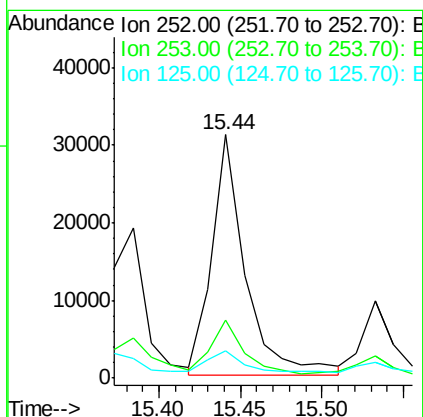
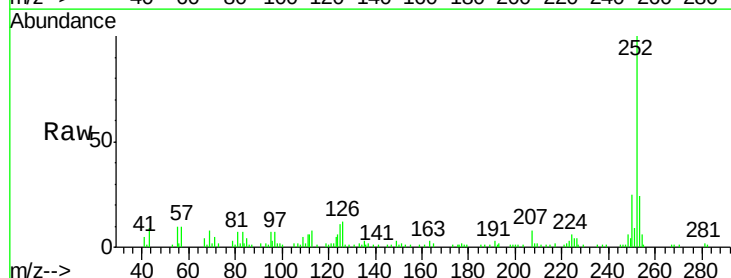
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-02)

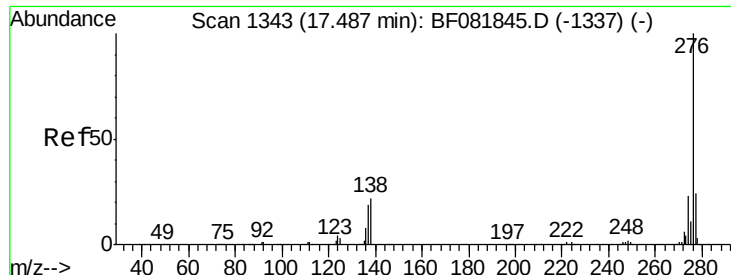
Tot Ion:252 Resp: 80942
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.4
125 12.4 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 3.89 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Tgt Ion:252 Resp: 44177
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 11.3 18.0 27.0#

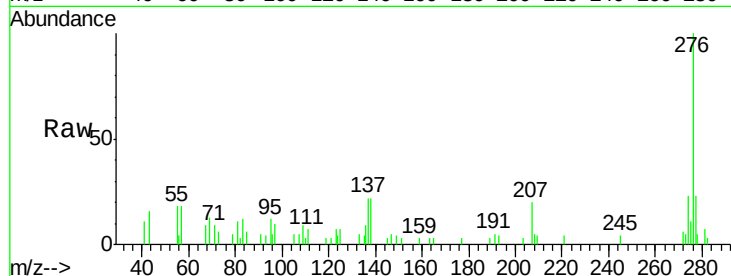




#91
 Benzo(a,h,i)perylene
 Concen: 2.68 ng
 RT: 17.36 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-02)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.8	26.6
138	22.3	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

