

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)

Manual Integrations
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Quant Time: Oct 07 05:06:22 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						
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						
49) Dimethylphthalate	9.65	163	183391	16.13	ng	Qvalue # 97
70) Phenanthrene	11.44	178	113254	5.72	ng	98
71) Anthracene	11.49	178	38871	2.33	ng	96
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	61170m	4.27	ng	
82) Chrysene	14.08	228	58242m	3.98	ng	
85) Indeno(1,2,3-cd)pyrene	16.93	276	25921	2.31	ng	96
87) Benzo(b)fluoranthene	15.09	252	54895m	4.19	ng	
88) Benzo(k)fluoranthene	15.11	252	26047m	2.17	ng	
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

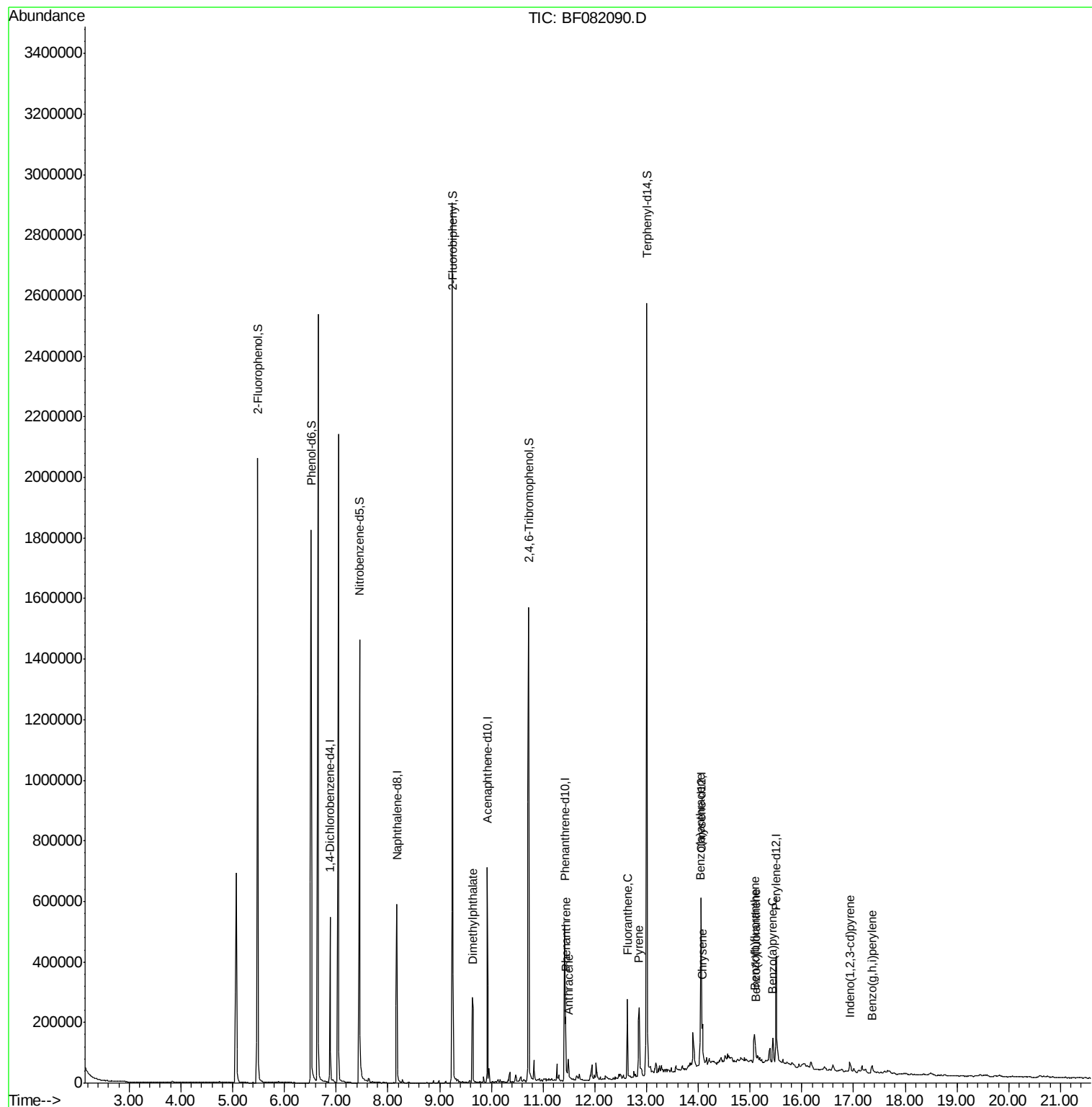
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082090.D
Acq On : 6 Oct 2015 18:10
Operator : UM/IZ
Sample : G3906-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

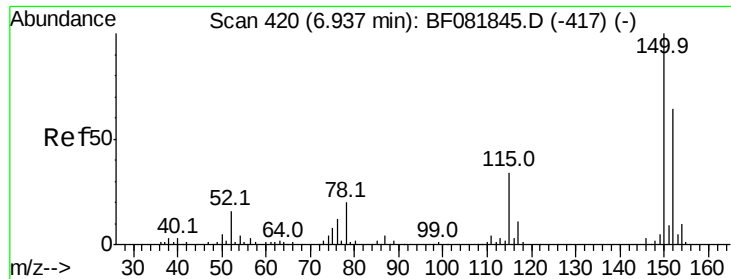
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-02)

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Quant Time: Oct 07 05:06:22 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





#1

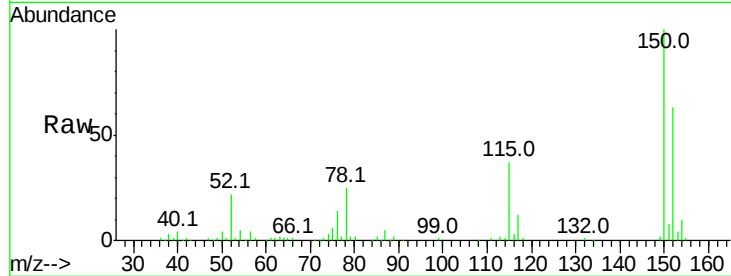
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

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

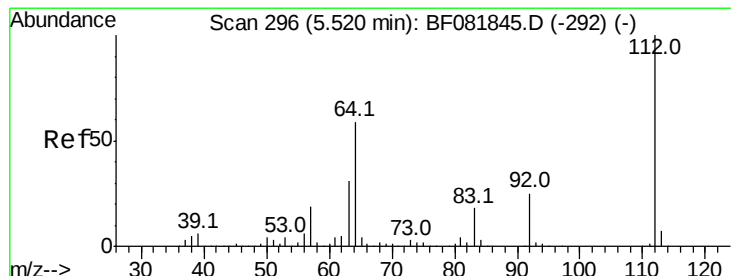
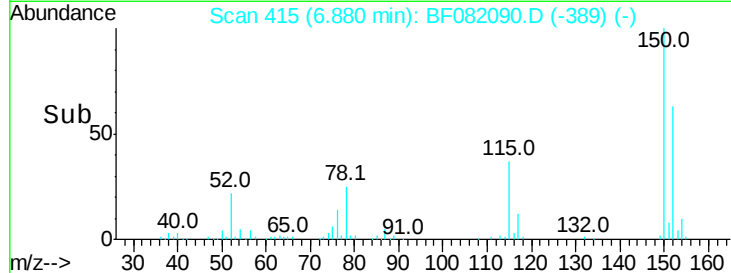
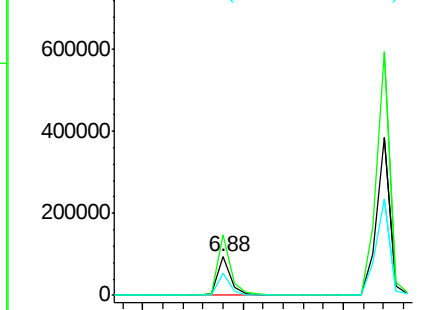
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.7	187.1
115	58.7	39.0	58.4

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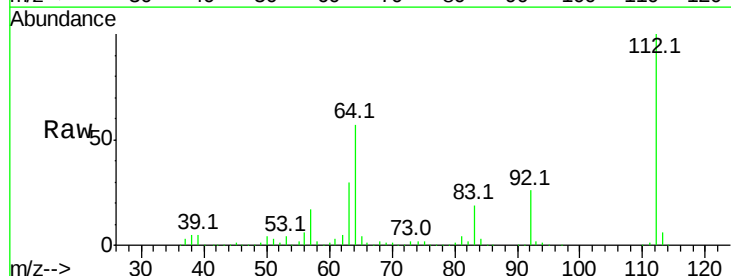
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



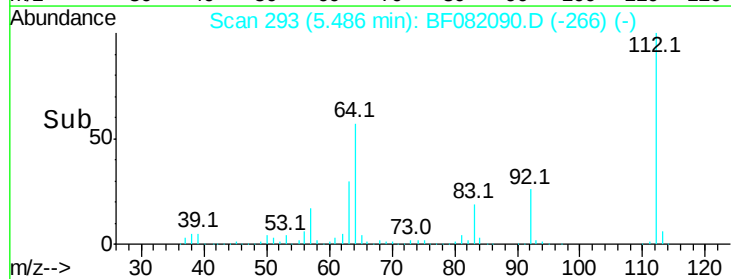
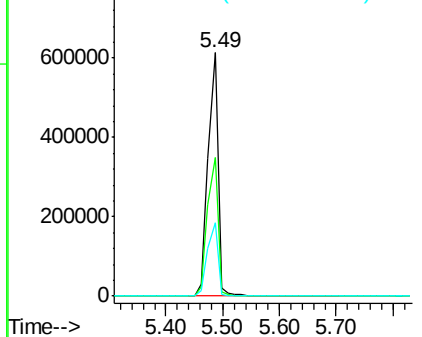
#5

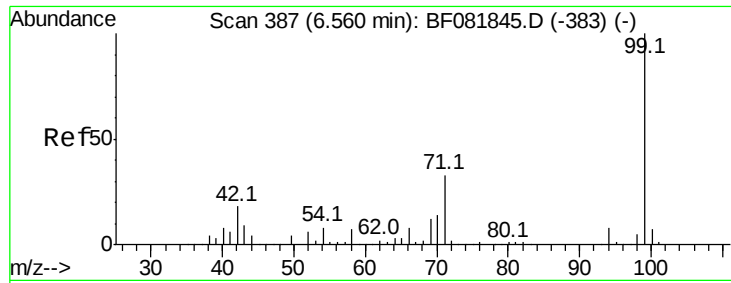
2-Fluorophenol
 Concen: 147.59 ng
 RT: 5.49 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion	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

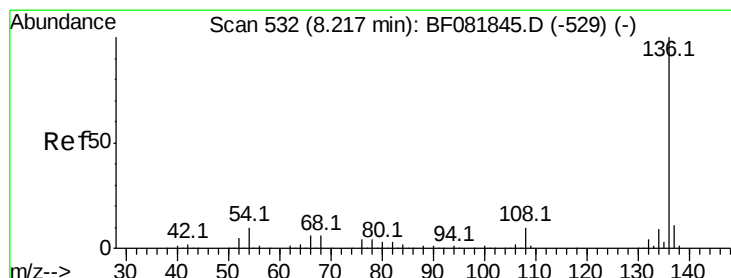
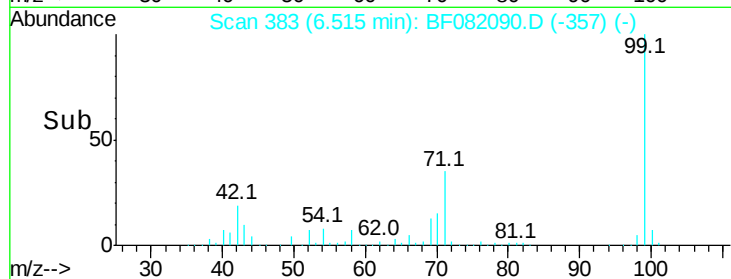
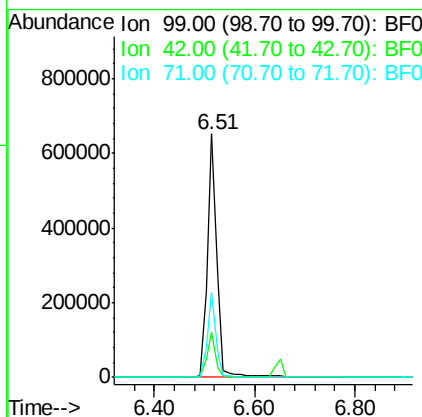
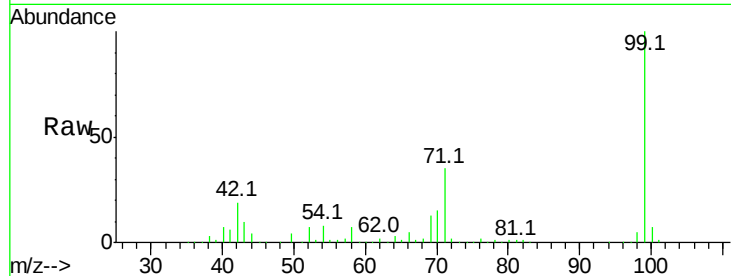
ClientSampleId :

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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#

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#21

Naphthalene-d8

Concen: 20.00 ng

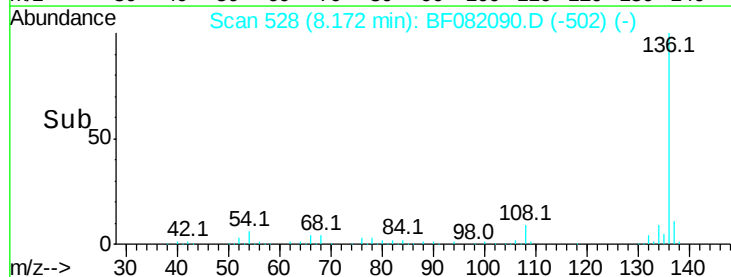
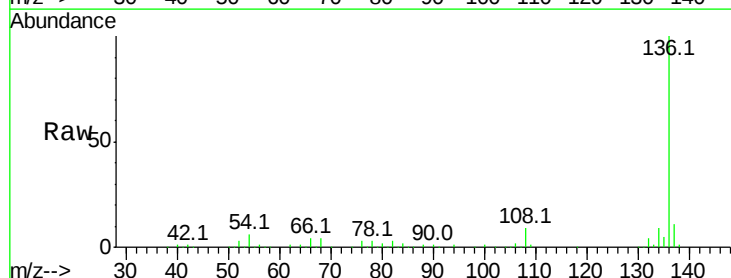
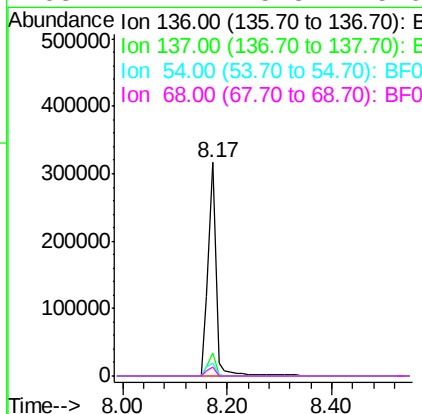
RT: 8.17 min Scan# 528

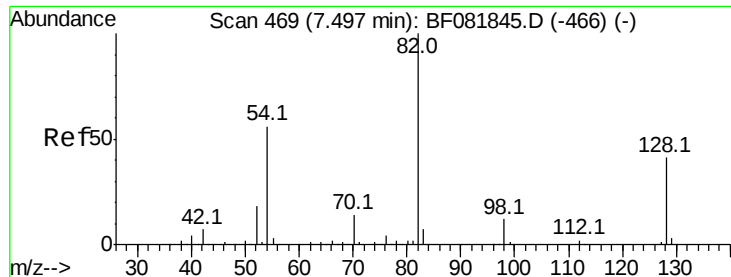
Delta R.T. 0.00 min

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#





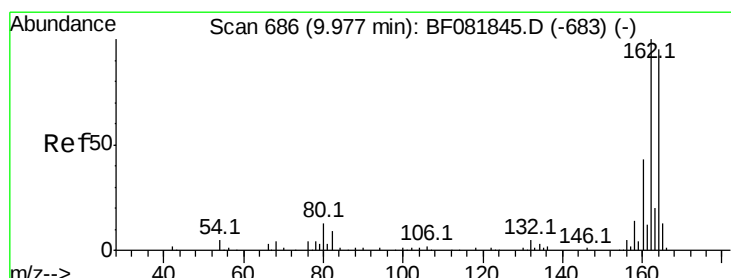
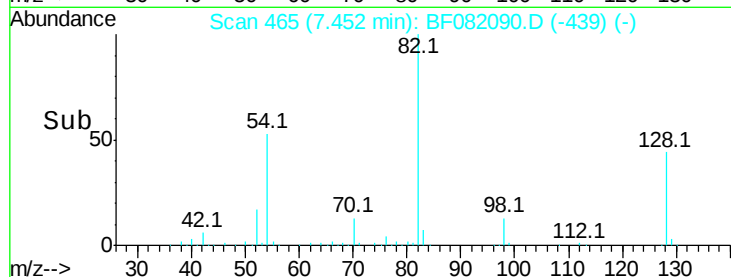
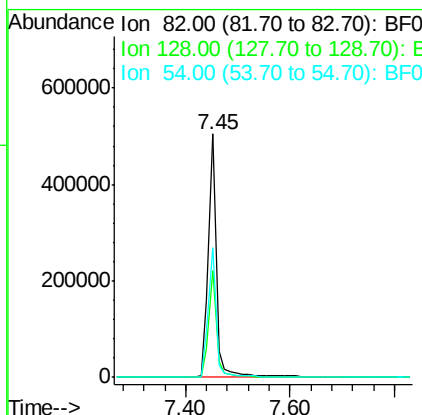
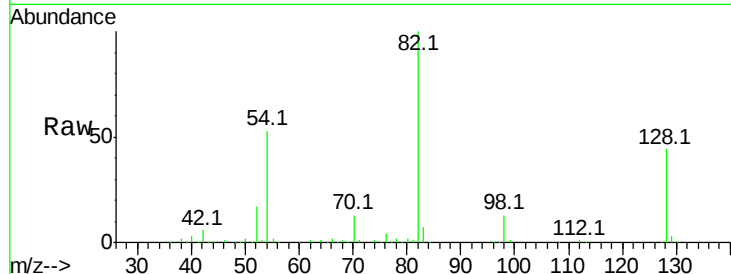
#23
 Nitrobenzene-d5
 Concen: 108.92 ng
 RT: 7.45 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

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

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

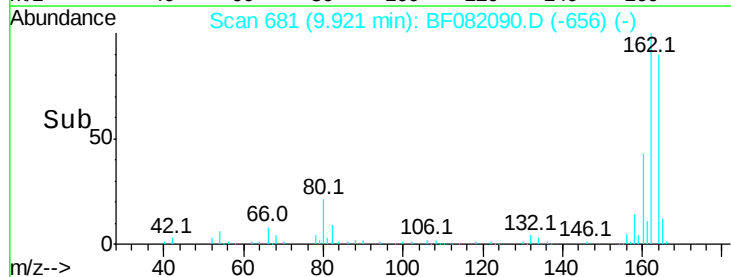
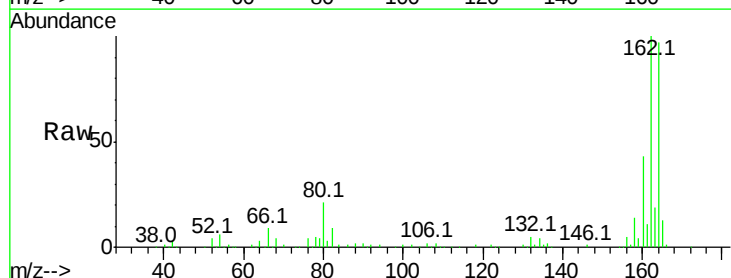
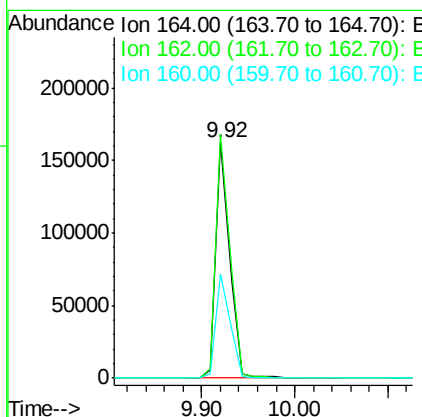
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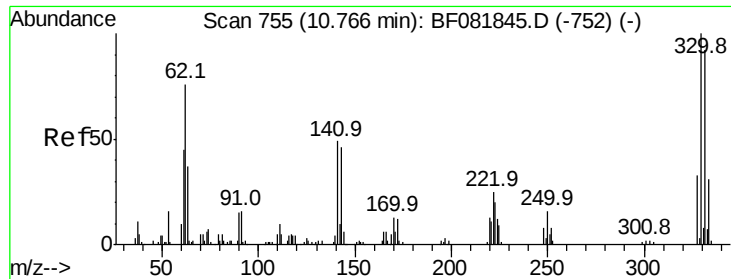
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	75.2	112.8
160	44.3	31.5	47.3





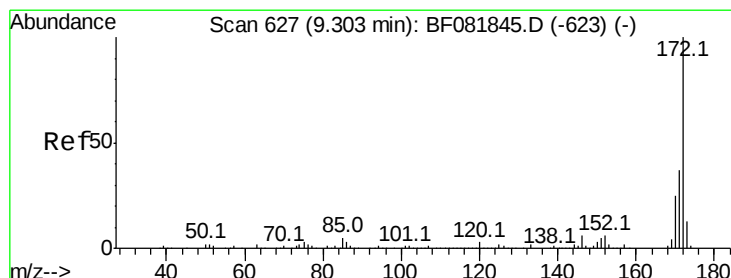
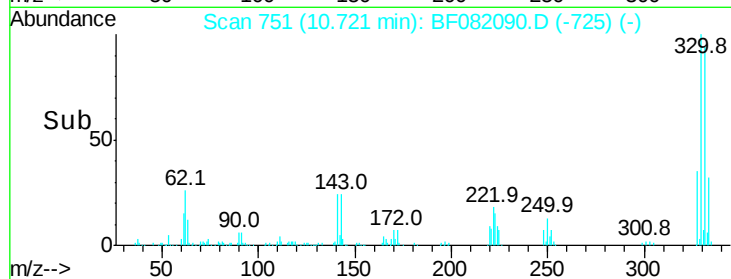
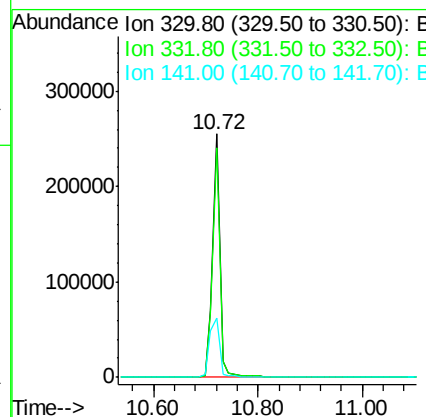
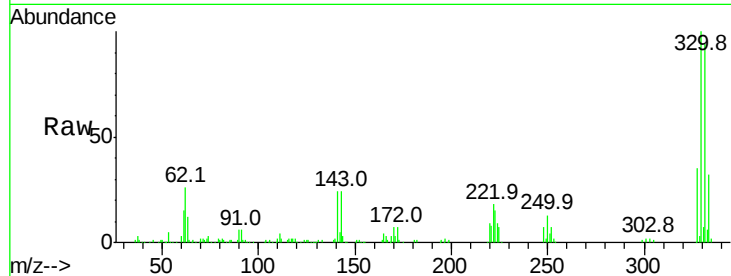
#41
 2,4,6-Tribromophenol
 Concen: 150.74 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	251425		
332	94.9	76.6	114.8	
141	33.3	29.7	44.5	

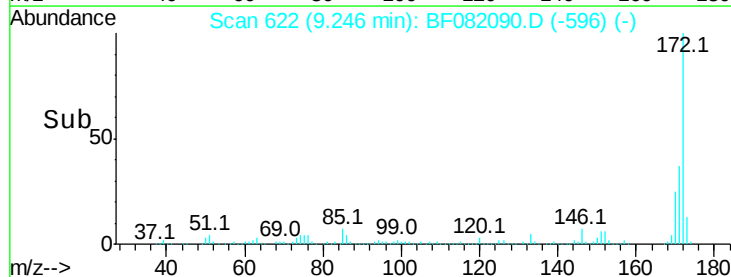
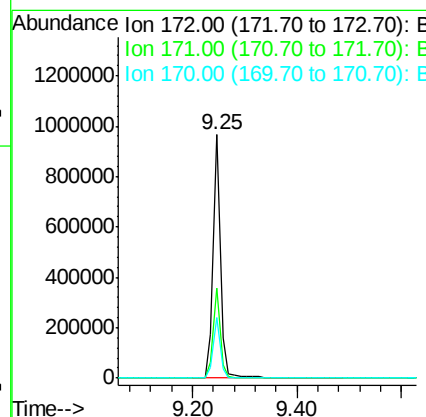
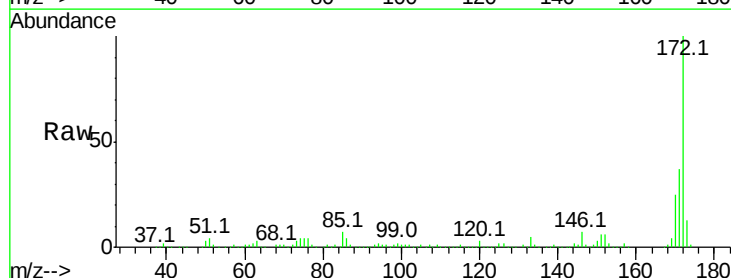
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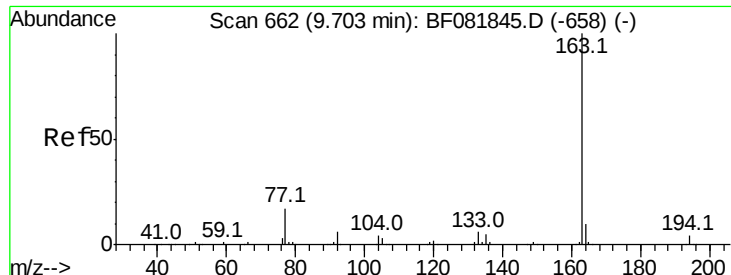
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#44
 2-Fluorobiphenyl
 Concen: 99.43 ng
 RT: 9.25 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF082090.D
 Acq: 6 Oct 2015 18:10

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





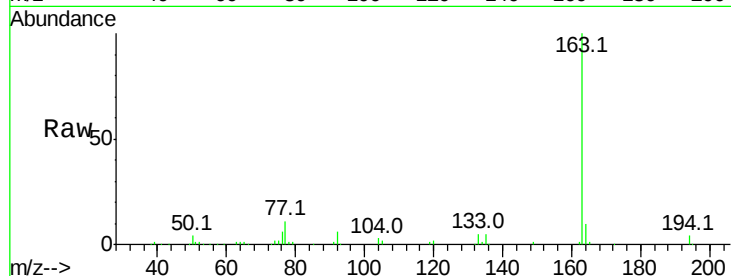
#49
Dimethylphthalate
Concen: 16.13 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

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

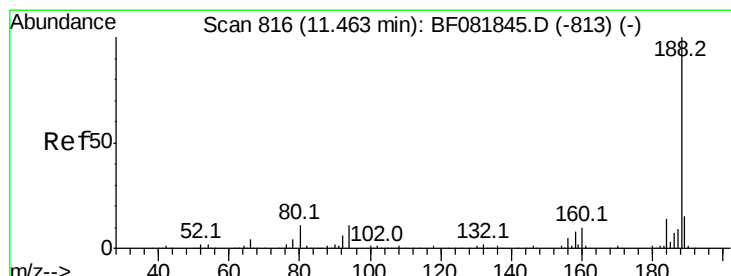
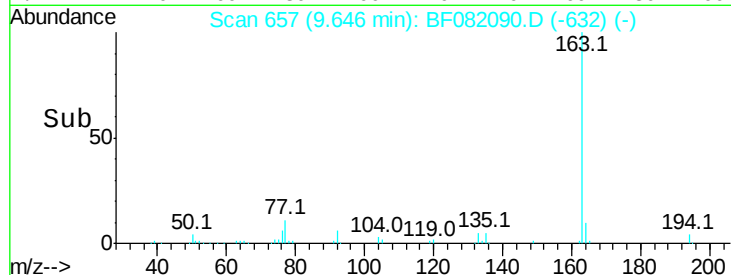
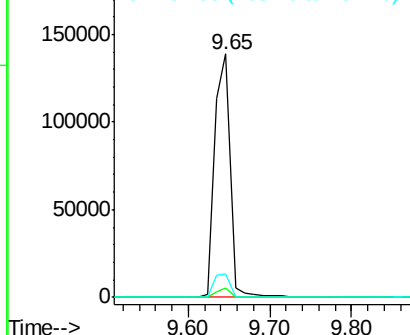
Tot Ion	Ratio	Resp	Lower	Upper
163	100	183391		
194	4.1	6.6#	4.4	6.6#
164	9.5	12.5	8.3	12.5

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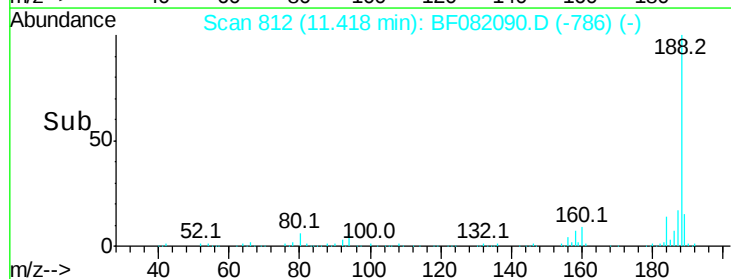
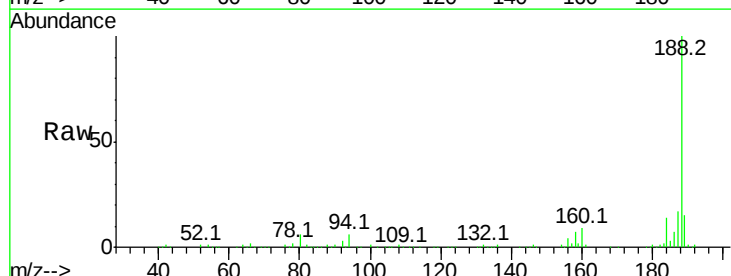
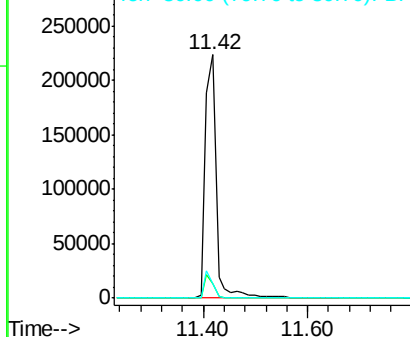
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

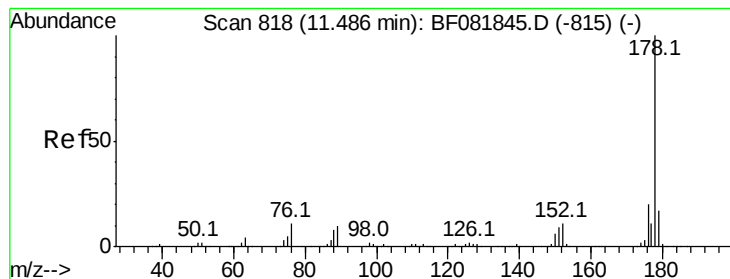


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	327884		
94	5.9	16.7#	11.1	16.7#
80	5.9	16.4#	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





#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

Instrument :

BNA_F

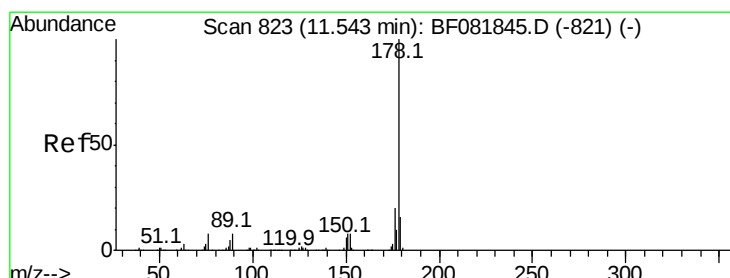
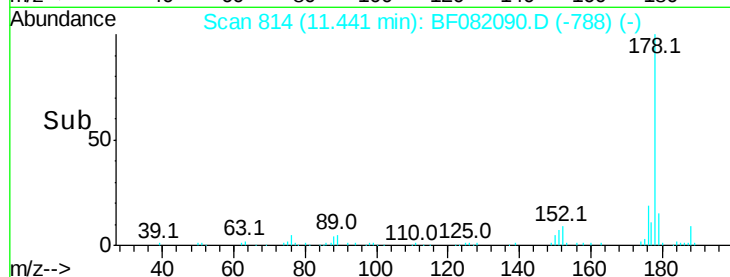
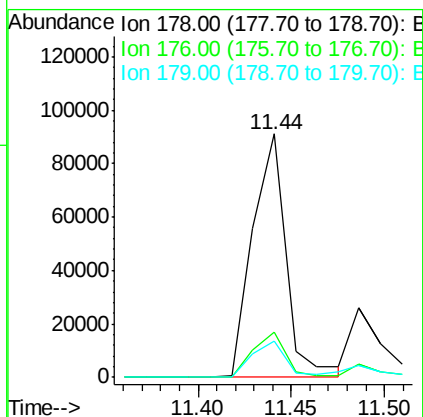
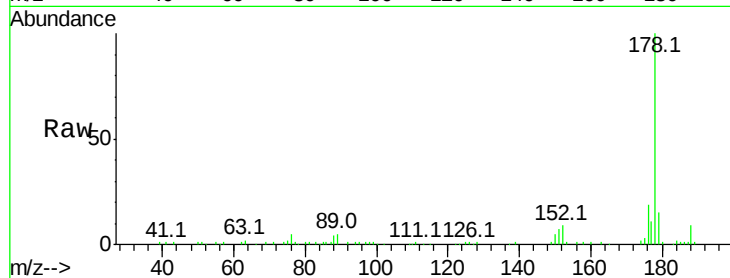
ClientSampleId :

IM-MLA-(2.5-02)

Tot Ion:178	Resp:	113254
Ion Ratio	Lower	Upper
178	100	
176	18.7	13.8 20.8
179	15.0	12.2 18.2

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#71

Anthracene

Concen: 2.33 ng

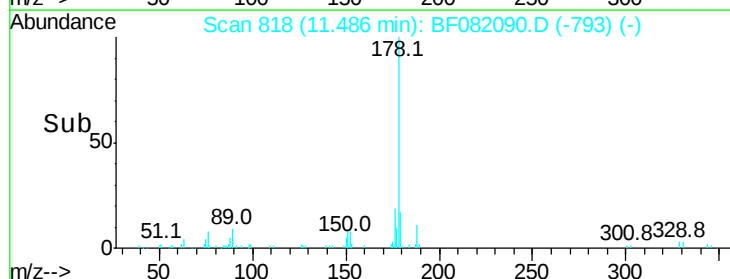
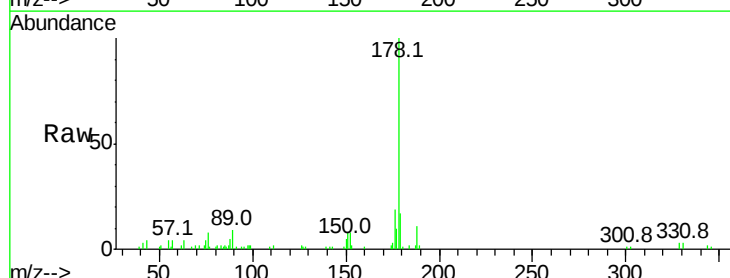
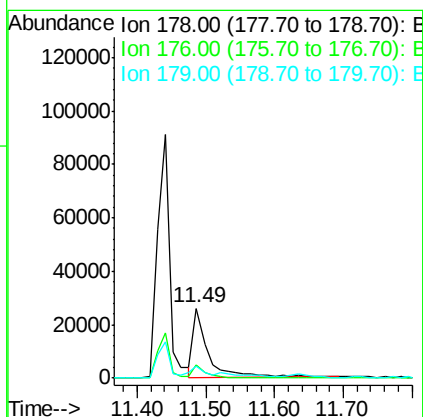
RT: 11.49 min Scan# 818

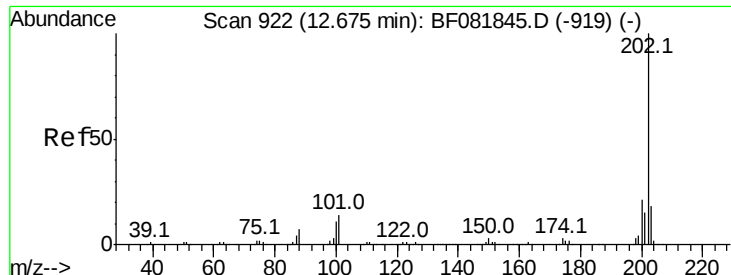
Delta R.T. -0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Tgt 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

Instrument :

BNA_F

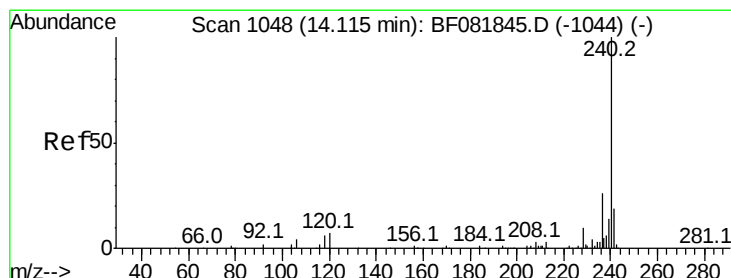
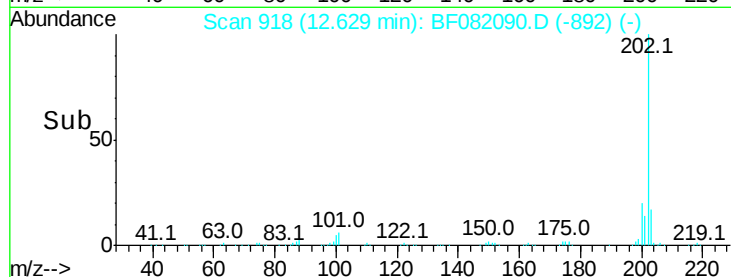
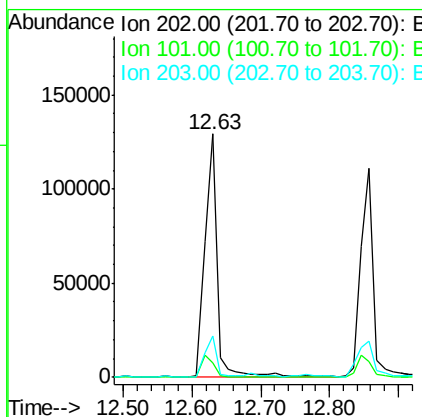
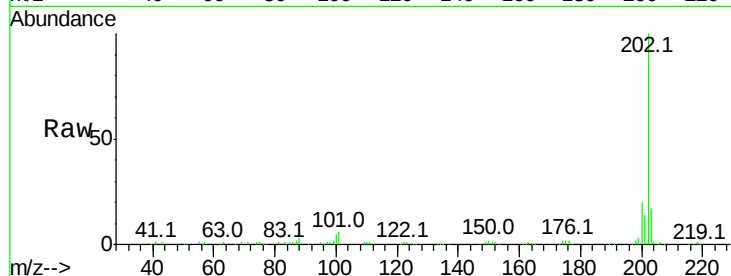
ClientSampleId :

IM-MLA-(2.5-02)

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

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#75

Chrysene-d12

Concen: 20.00 ng

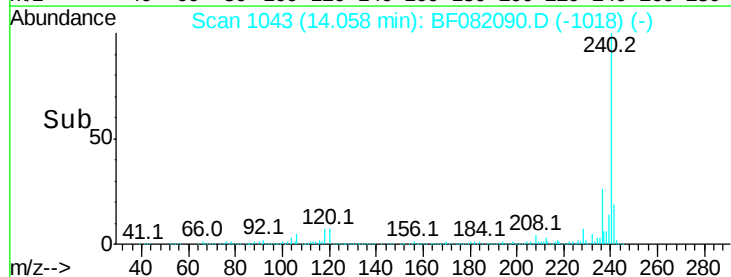
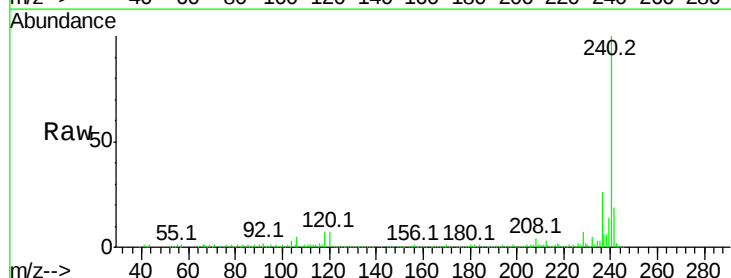
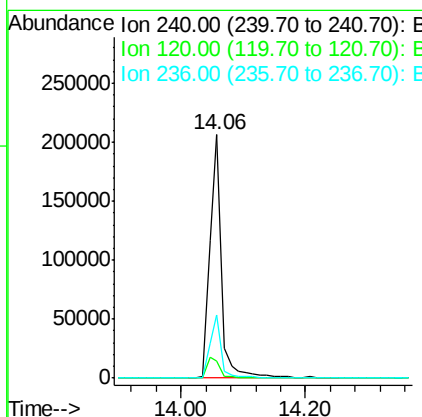
RT: 14.06 min Scan# 1043

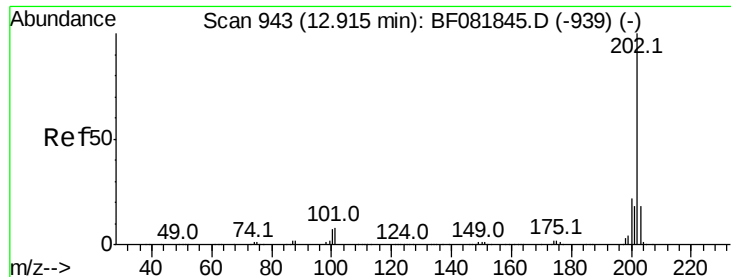
Delta R.T. -0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	266268		
120	7.2	16.2	24.2#	
236	25.8	18.4	27.6	





#77

Pvrene

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

Instrument :

BNA_F

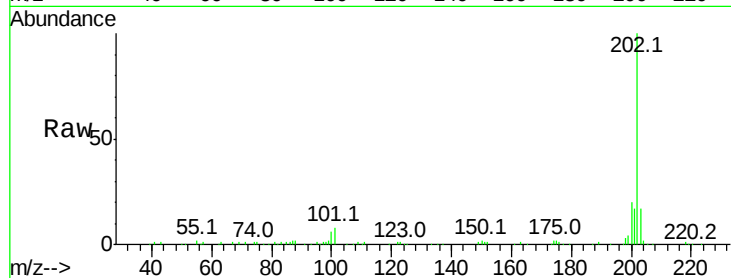
ClientSampleId :

IM-MLA-(2.5-02)

Tot Ion:	202	Resp:	142031
Ion Ratio	Lower	Upper	
202	100		
200	20.4	15.0	22.4
203	17.1	14.1	21.1

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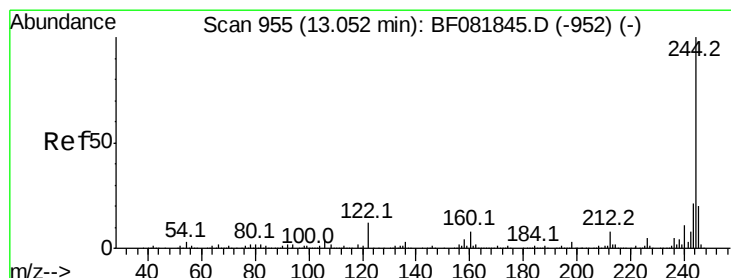
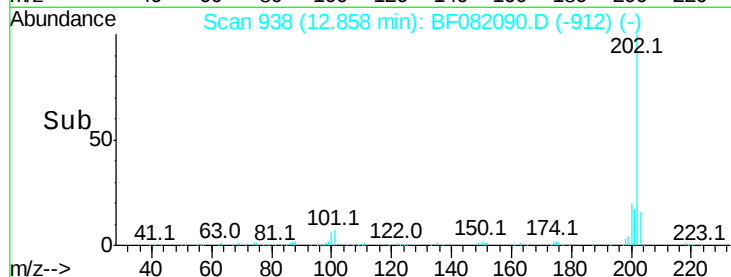
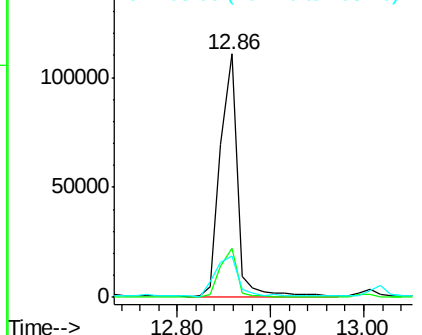
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Abundance Ion 202.00 (201.70 to 202.70): E

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

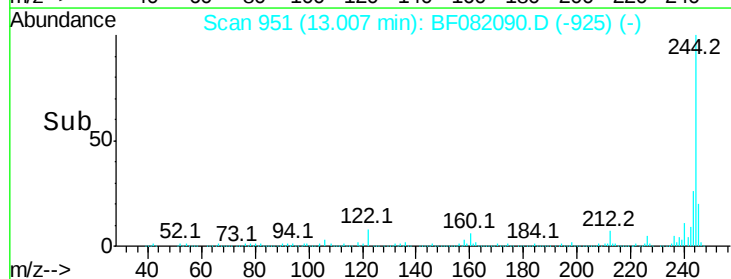
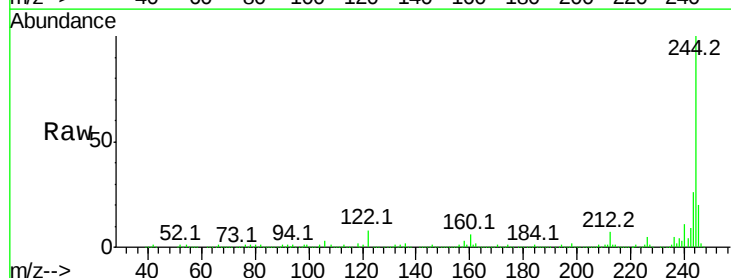
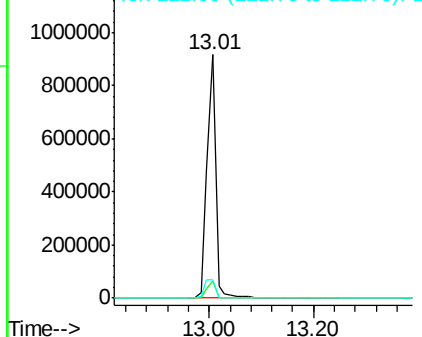
Acq: 6 Oct 2015 18:10

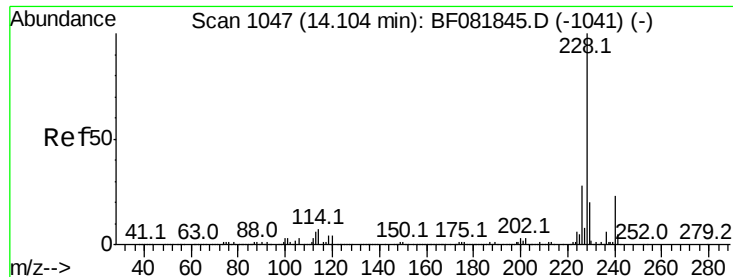
Tgt Ion:	244	Resp:	1052395
Ion Ratio	Lower	Upper	
244	100		
212	7.2	4.3	6.5#
122	7.7	17.4	26.2#

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





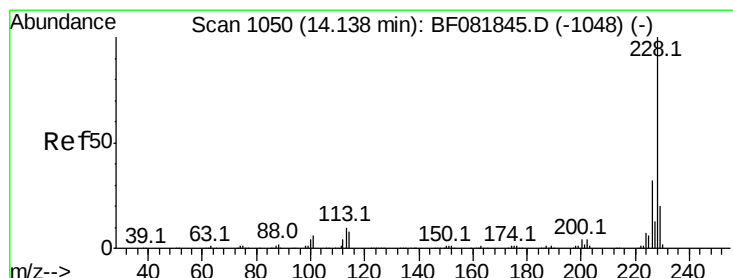
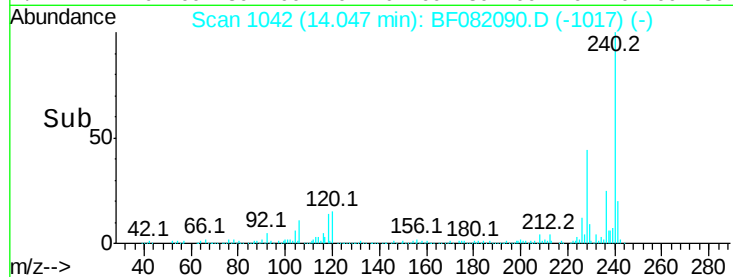
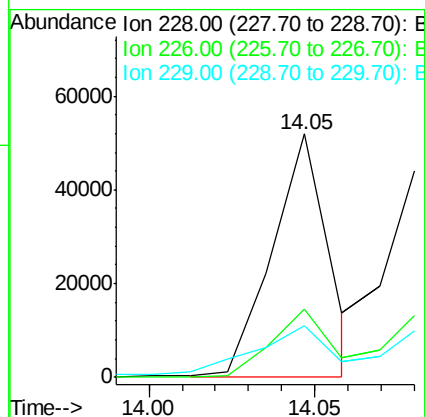
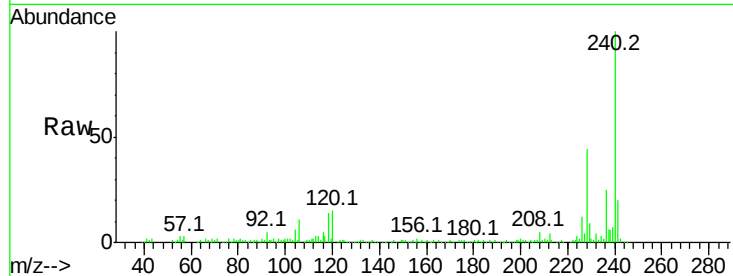
#80
Benzo(a)anthracene
Concen: 4.27 ng m
RT: 14.05 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

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

Tot Ion:228	Resp:	61170
Ion Ratio	Lower	Upper
228 100		
226 27.9	20.0	30.0
229 21.0	15.4	23.2

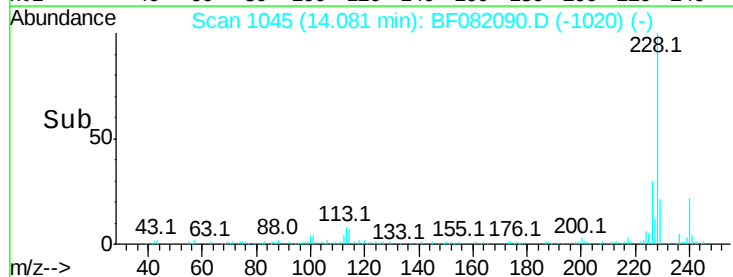
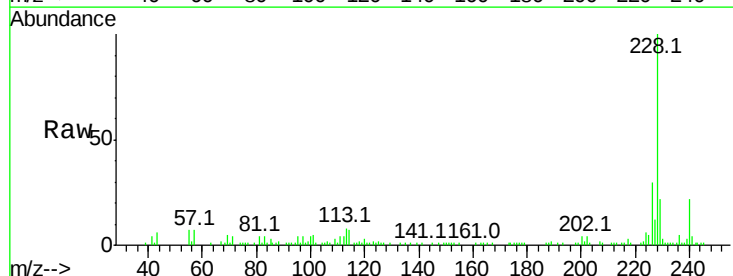
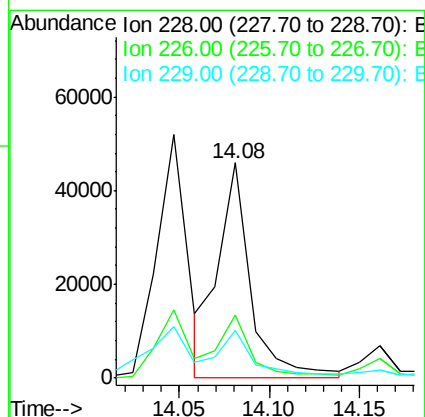
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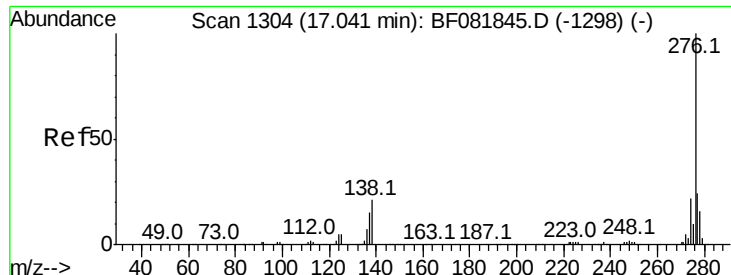
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#82
Chrysene
Concen: 3.98 ng m
RT: 14.08 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

Tgt Ion:228	Resp:	58242
Ion Ratio	Lower	Upper
228 100		
226 29.7	21.0	31.4
229 22.2	15.6	23.4





#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

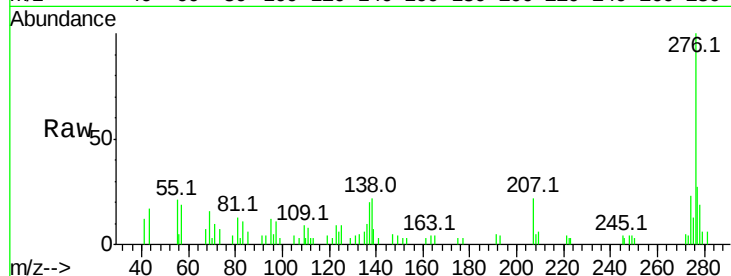
Acq: 6 Oct 2015 18:10

Instrument :

BNA_F

ClientSampleId :

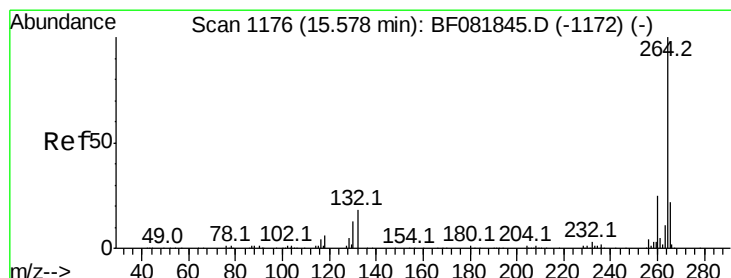
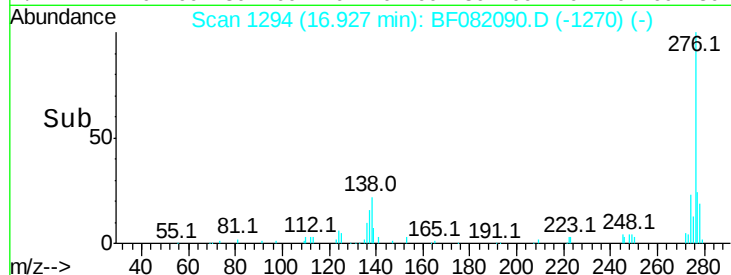
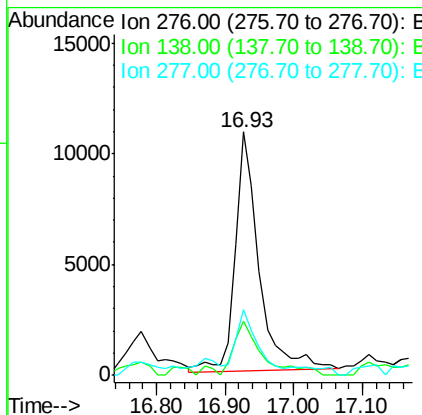
IM-MLA-(2.5-02)



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

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#86

Perylene-d12

Concen: 20.00 ng

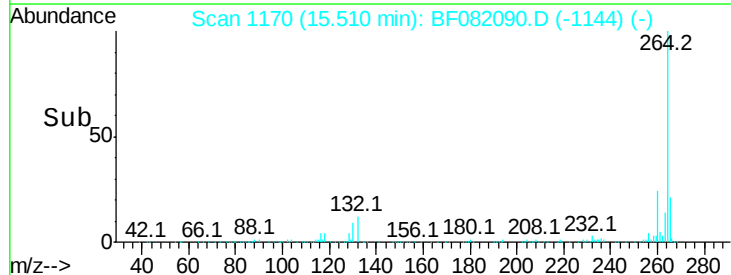
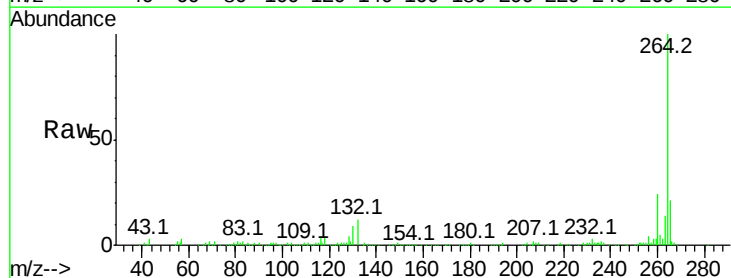
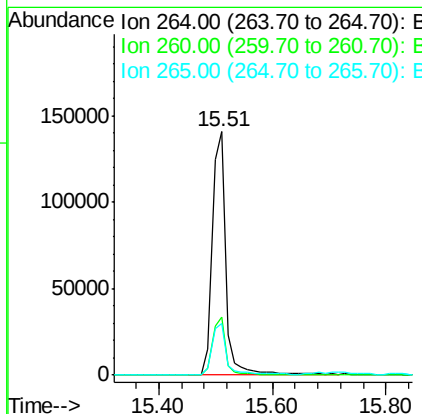
RT: 15.51 min Scan# 1170

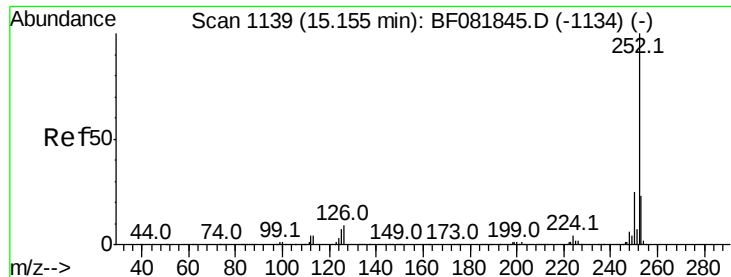
Delta R.T. 0.00 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

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





#87

Benzo(b)fluoranthene

Concen: 4.19 ng m

RT: 15.09 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Instrument :

BNA_F

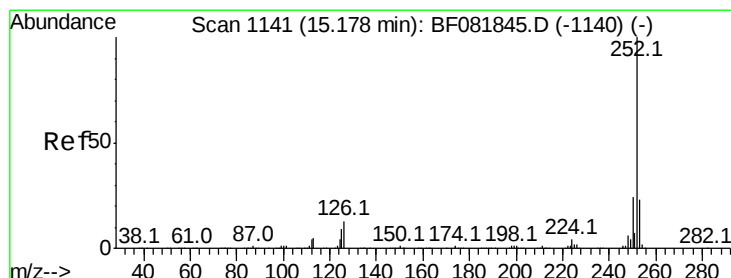
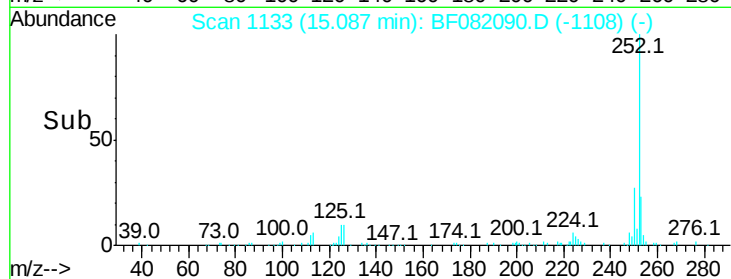
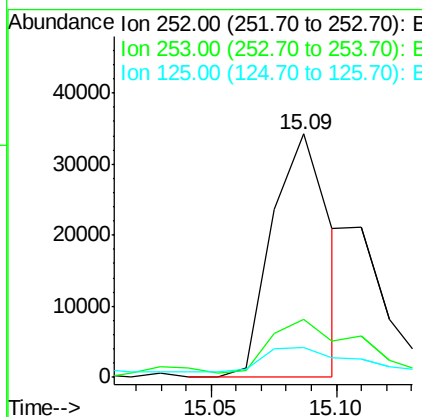
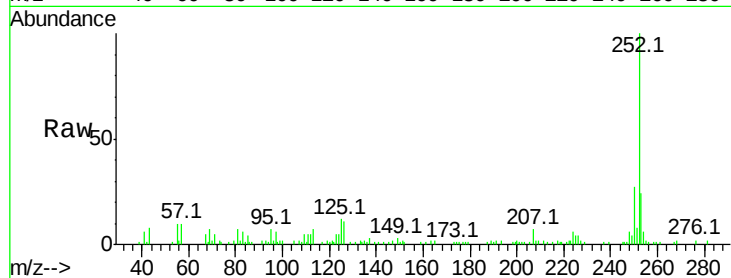
ClientSampleId :

IM-MLA-(2.5-02)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	12.4	17.1	25.7#

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#88

Benzo(k)fluoranthene

Concen: 2.17 ng m

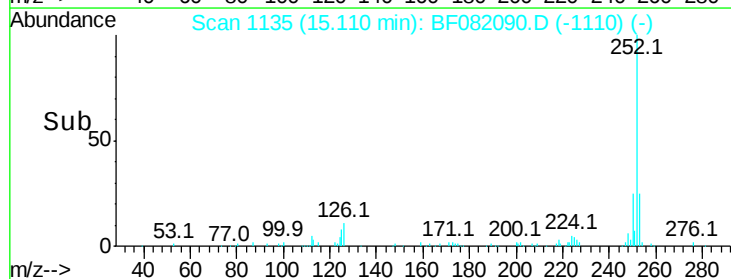
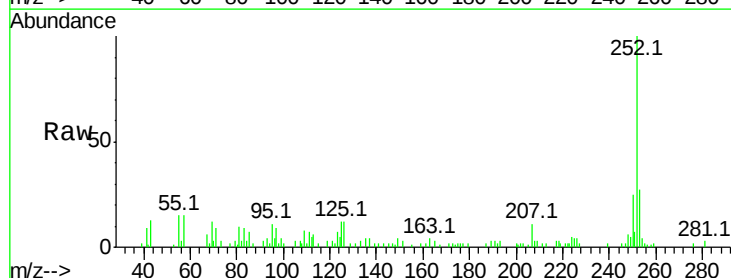
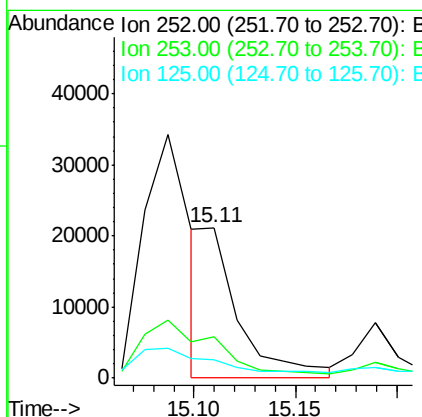
RT: 15.11 min Scan# 1135

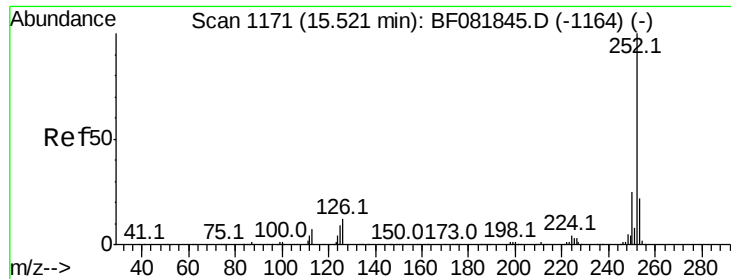
Delta R.T. -0.01 min

Lab File: BF082090.D

Acq: 6 Oct 2015 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.0	25.4#
125	12.2	16.0	24.0#





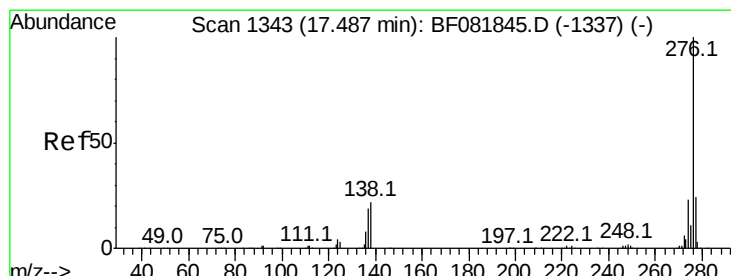
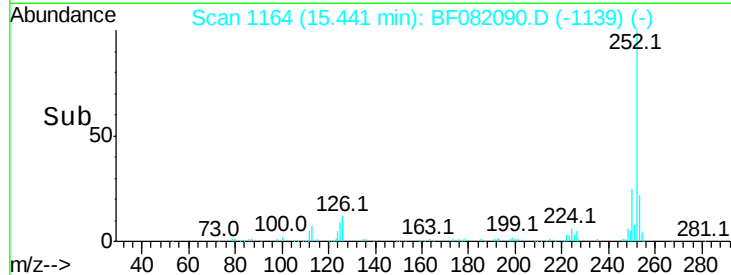
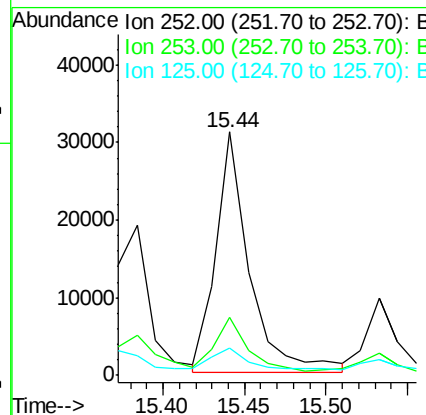
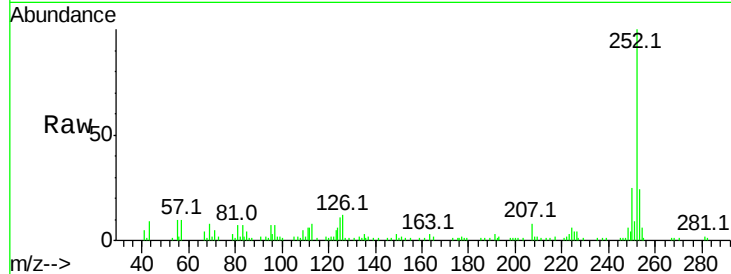
#89
Benzo(a)pyrene
Concen: 3.89 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF082090.D
Acq: 6 Oct 2015 18:10

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	11.3	18.0	27.0#

Manual Integrations
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#91
Benzo(g,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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.8	26.6
138	22.3	34.6	51.8#

