

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082377.D
 Acq On : 20 Oct 2015 2:39
 Operator : UM/IZ
 Sample : G4040-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

Manual Integrations
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 10/20/2015 6:25:57 PM

Quant Time: Oct 20 03:37:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 03:15:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	96571	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	361832	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	182624	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	332910	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	236072	20.00	ng	0.00
86) Perylene-d12	15.54	264	210385	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	722752	151.05	ng	0.01
7) Phenol-d6	6.45	99	897853	144.19	ng	-0.01
23) Nitrobenzene-d5	7.37	82	552704	102.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	218132	127.36	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1182735	107.40	ng	0.00
78) Terphenyl-d14	12.94	244	955618	107.27	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.57	163	273745	21.29	ng	Qvalue 99
70) Phenanthrene	11.36	178	77020	4.72	ng	99
74) Fluoranthene	12.55	202	100843	5.75	ng	97
77) Pyrene	12.78	202	95600	6.82	ng	97
80) Benzo(a)anthracene	14.01	228	42825m	3.49	ng	
82) Chrysene	14.05	228	36831m	2.85	ng	
87) Benzo(b)fluoranthene	15.12	252	41222m	3.22	ng	
88) Benzo(k)fluoranthene	15.12	252	57351	5.33	ng	# 87
89) Benzo(a)pyrene	15.48	252	31251	2.84	ng	# 84
91) Benzo(g,h,i)perylene	17.40	276	17685	2.02	ng	# 86

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

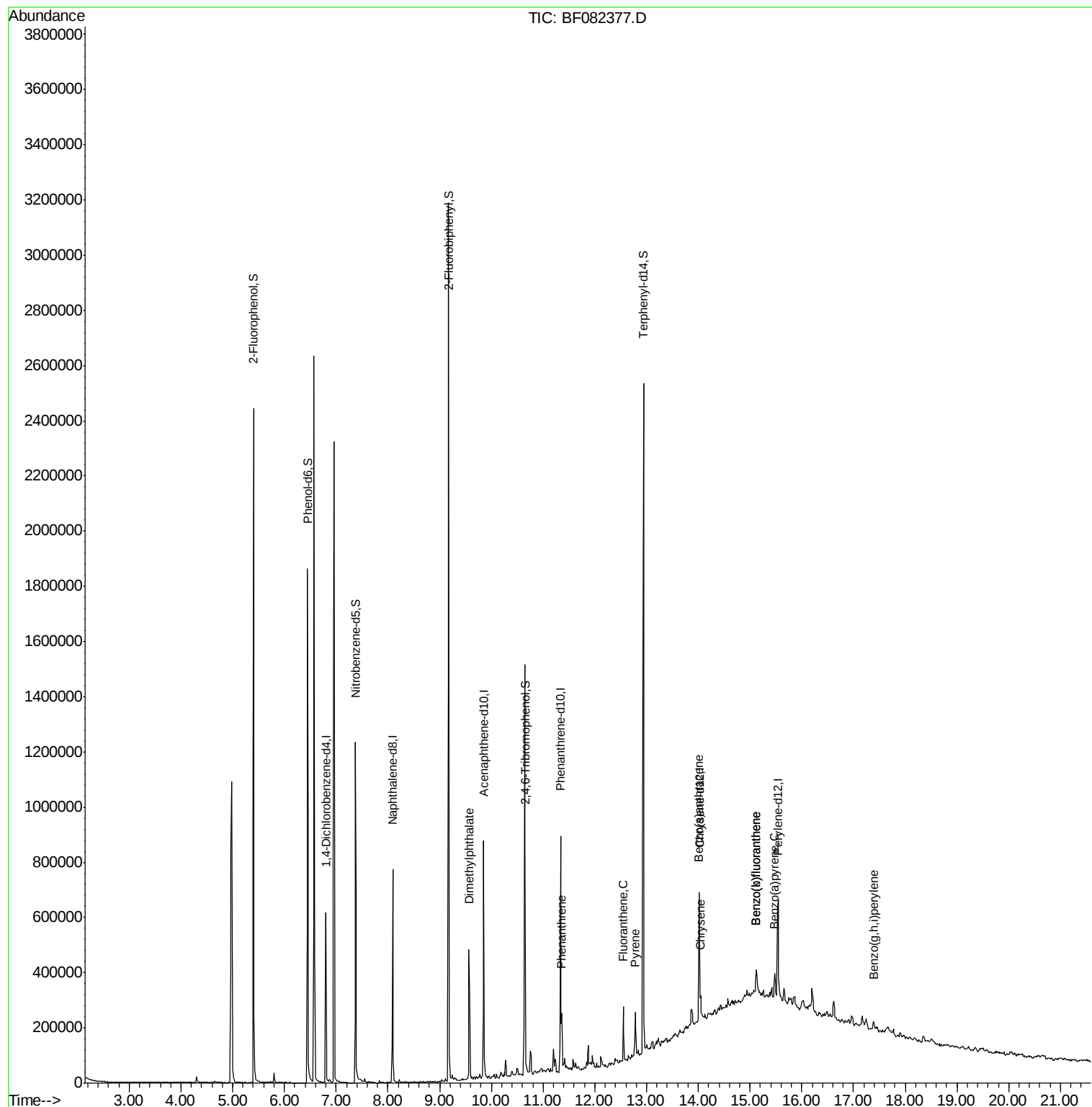
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082377.D
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Sample : G4040-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

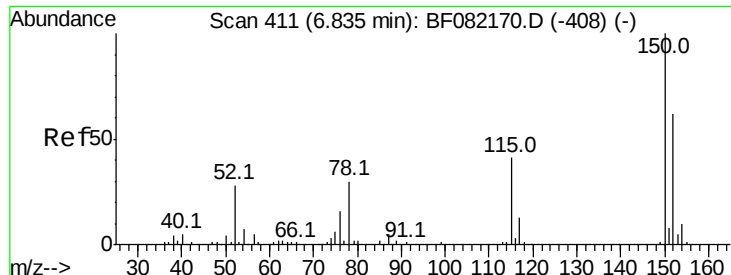
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

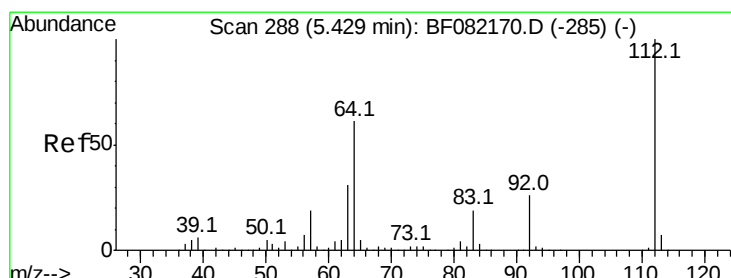
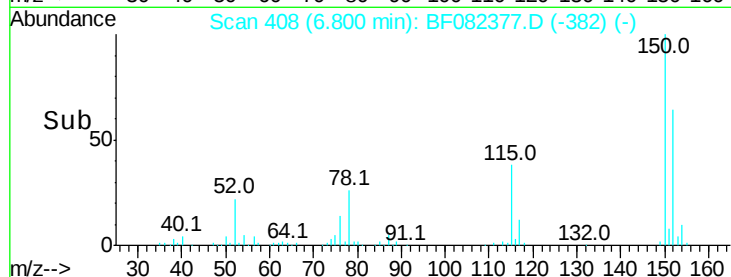
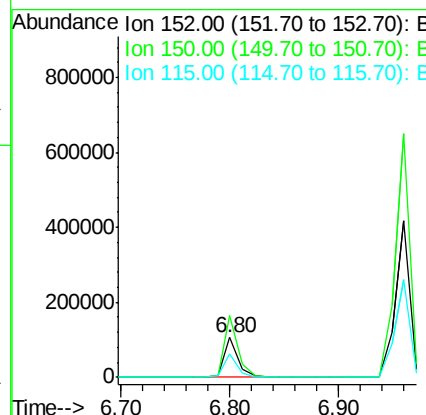
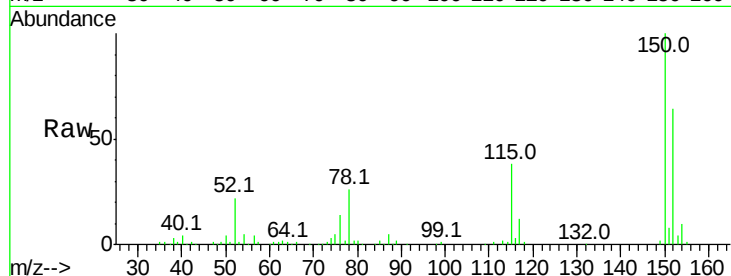
ClientSampleId :

IM-MLA-2.5-04

Tot Ion:	152	Resp:	96571
Ion Ratio	Lower	Upper	
152	100		
150	156.6	129.0	193.4
115	59.6	52.1	78.1

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#5

2-Fluorophenol

Concen: 151.05 ng

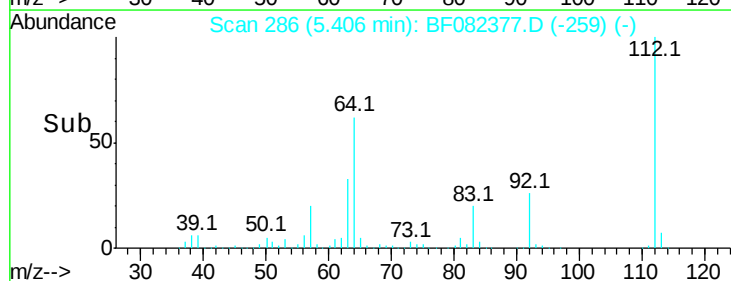
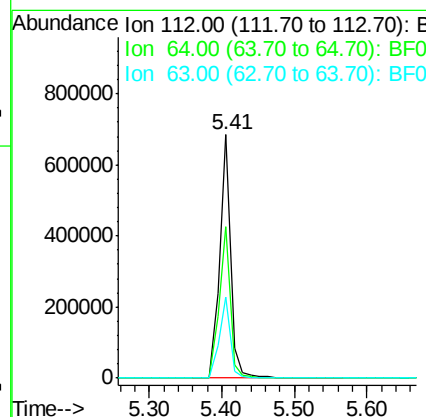
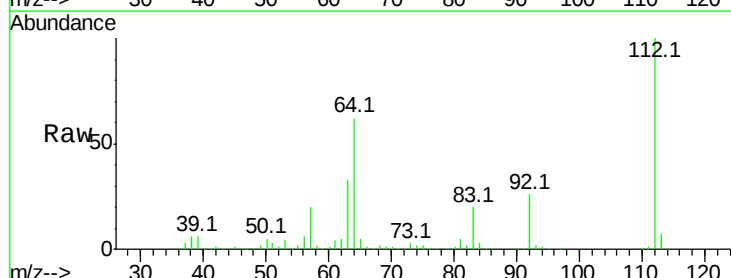
RT: 5.41 min Scan# 286

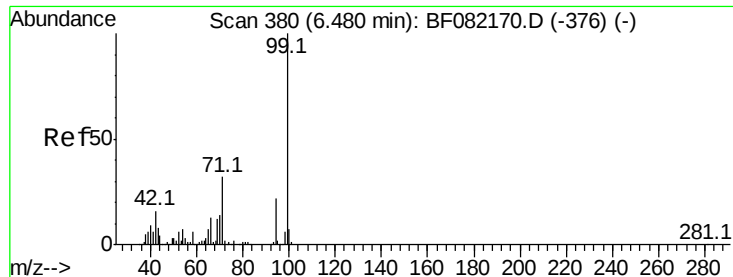
Delta R.T. 0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Tgt Ion:	112	Resp:	722752
Ion Ratio	Lower	Upper	
112	100		
64	62.2	48.6	73.0
63	33.1	25.1	37.7





#7

Phenol-d6

Concen: 144.19 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

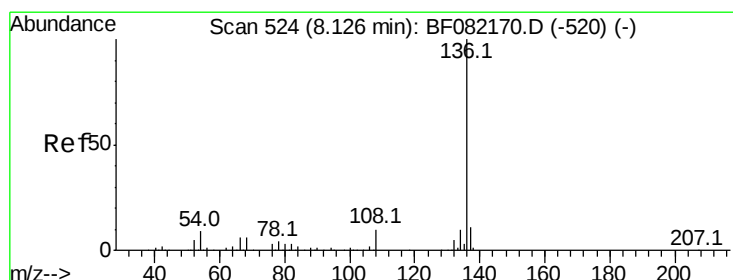
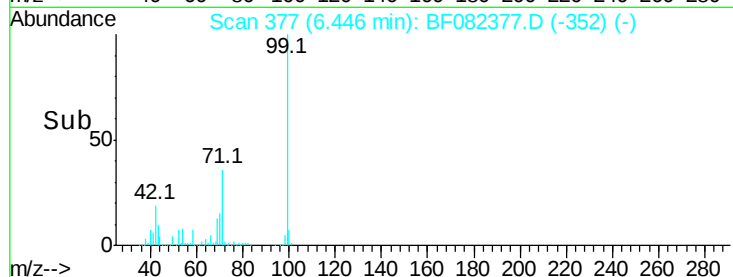
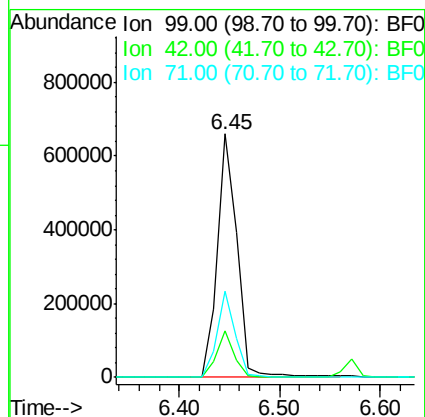
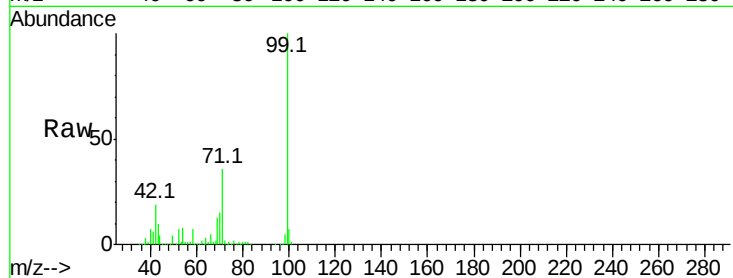
ClientSampleId :

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Tot Ion:	99	Resp:	897853
Ion Ratio	Lower	Upper	
99	100		
42	18.9	13.2	19.8
71	35.5	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

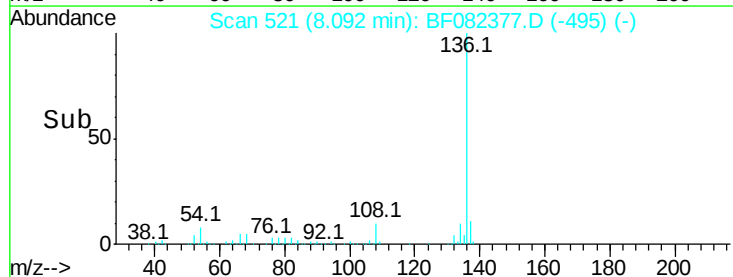
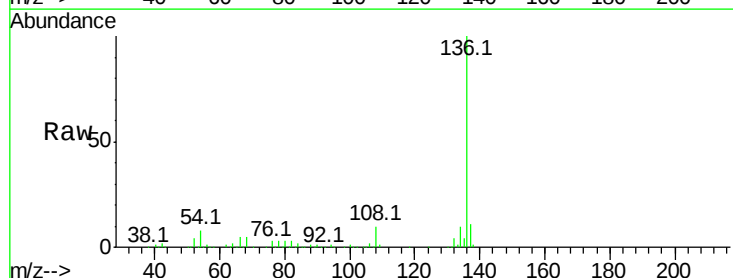
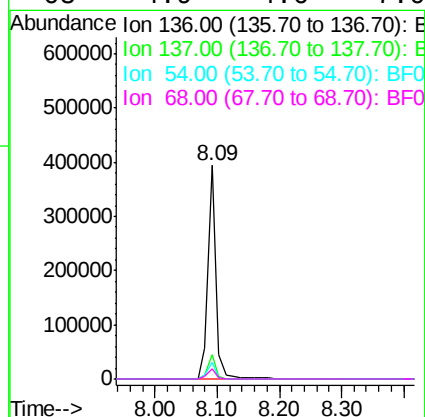
RT: 8.09 min Scan# 521

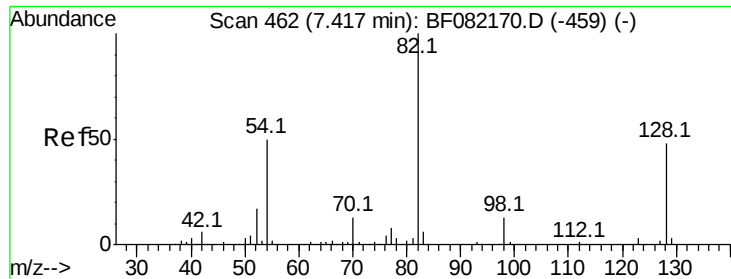
Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Tgt Ion:	136	Resp:	361832
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	7.6	7.5	11.3
68	4.9	4.6	7.0





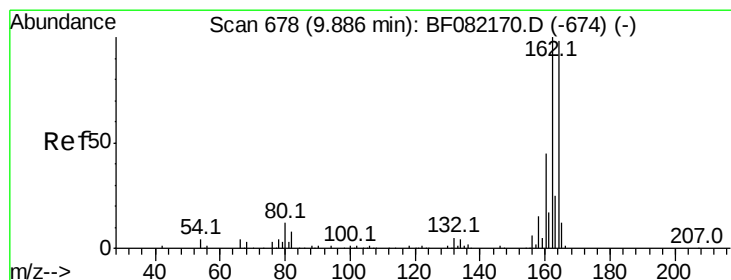
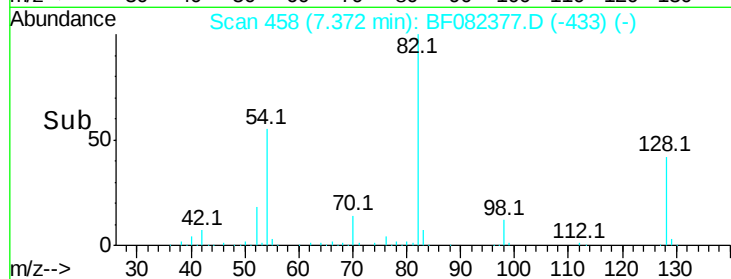
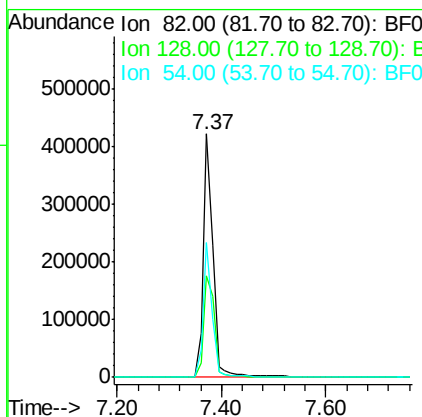
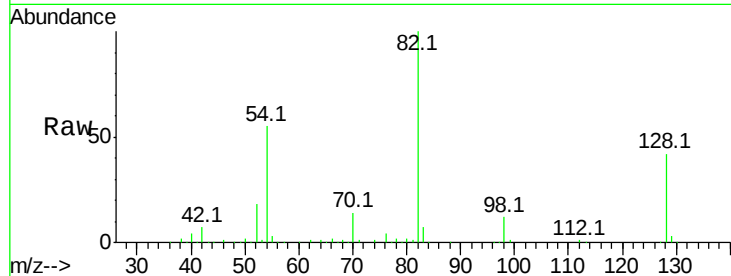
#23
 Nitrobenzene-d5
 Concen: 102.58 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	38.7	58.1
54	55.4	40.1	60.1

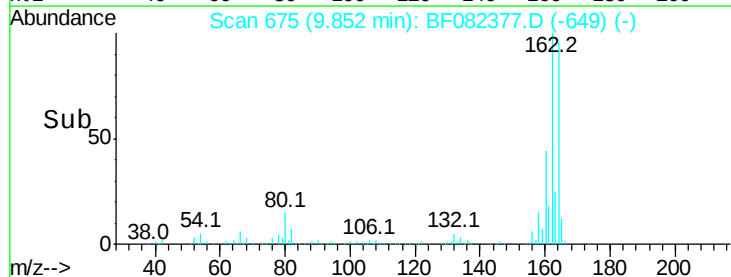
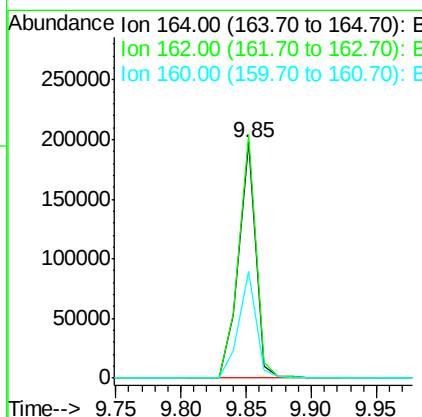
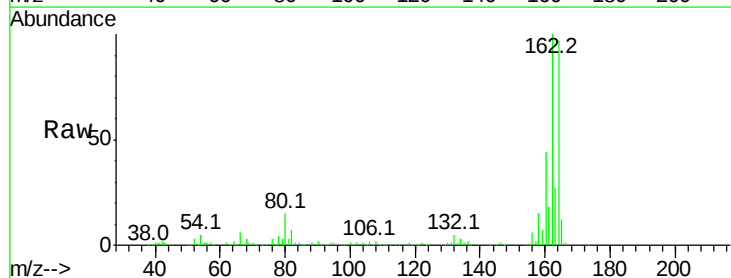
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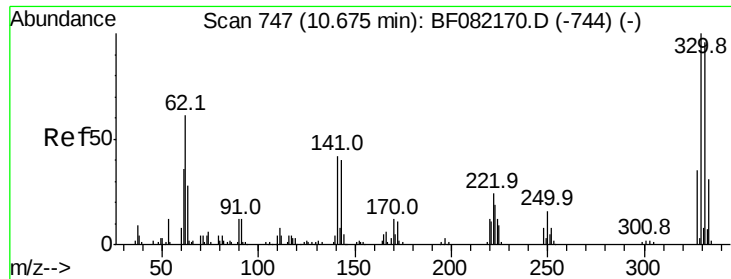
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	45.5	36.4	54.6





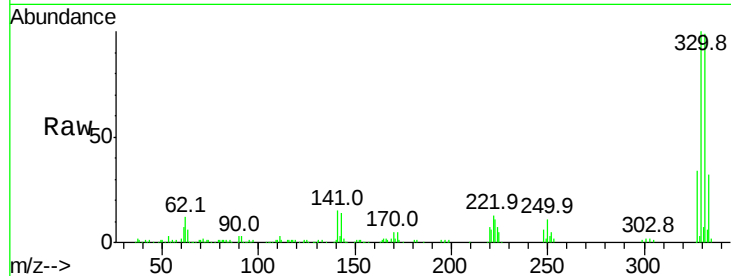
#41
 2,4,6-Tribromophenol
 Concen: 127.36 ng
 RT: 10.65 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

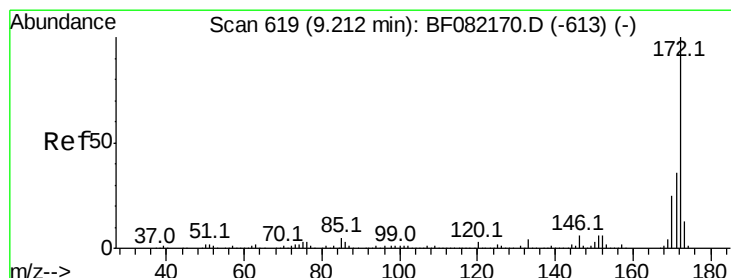
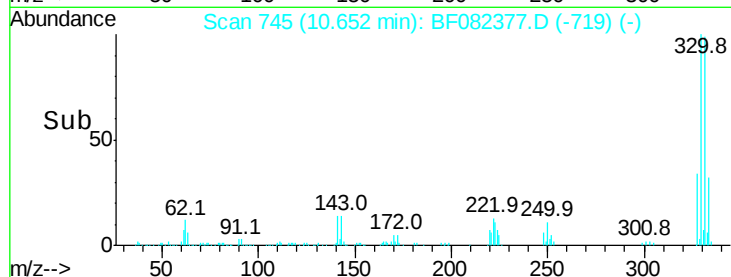
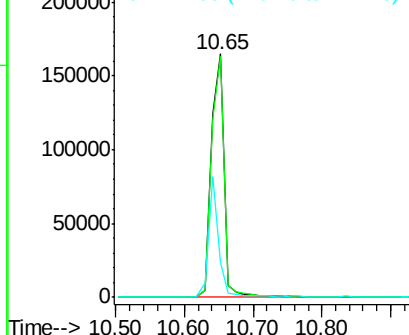
Tot Ion	Ratio	Resp	Lower	Upper
330	100	218132		
332	98.0	77.1	115.7	
141	39.4	29.8	44.8	

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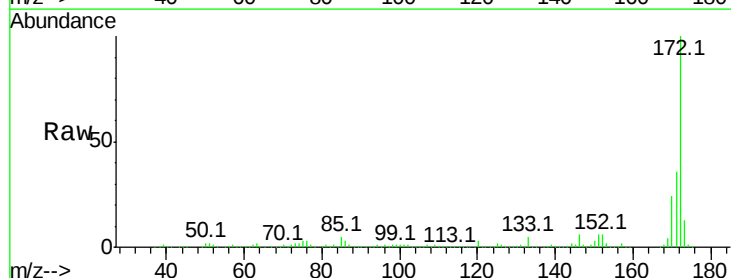


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

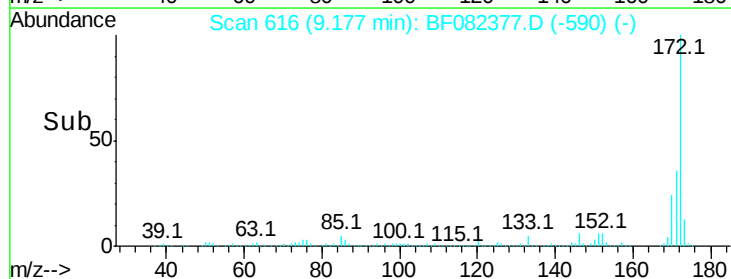
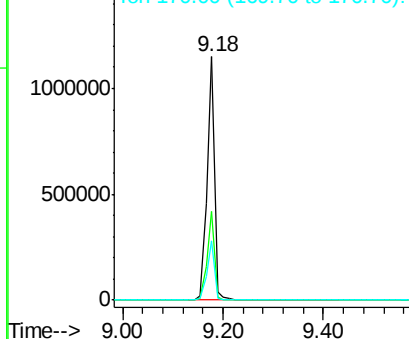


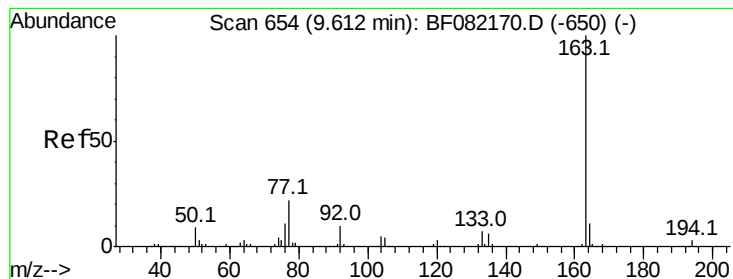
#44
 2-Fluorobiphenyl
 Concen: 107.40 ng
 RT: 9.18 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1182735		
171	36.5	28.6	42.8	
170	24.4	19.7	29.5	



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





#49

Dimethylphthalate

Concen: 21.29 ng

RT: 9.57 min Scan# 650

Delta R.T. -0.02 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

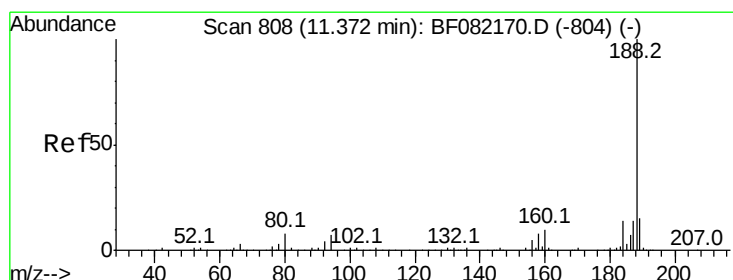
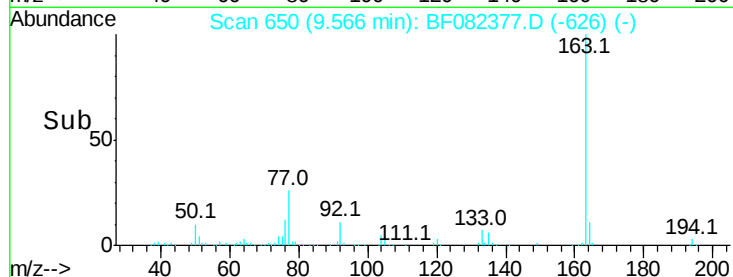
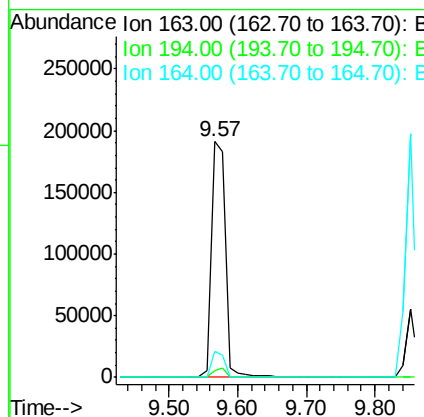
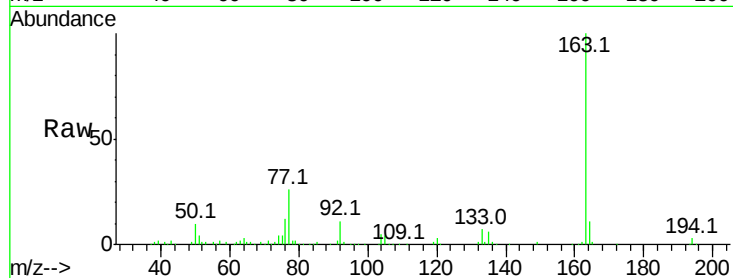
ClientSampleId :

IM-MLA-2.5-04

Tot Ion:	163	Resp:	273745
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.8	8.5	12.7

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#63

Phenanthrene-d10

Concen: 20.00 ng

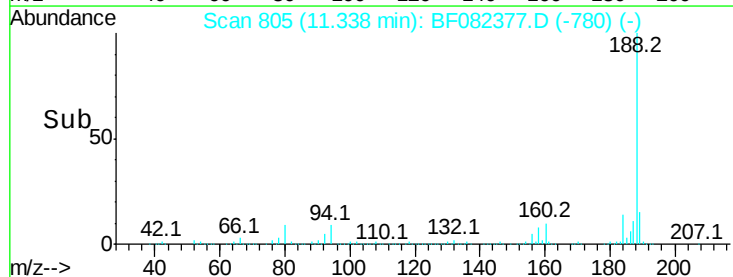
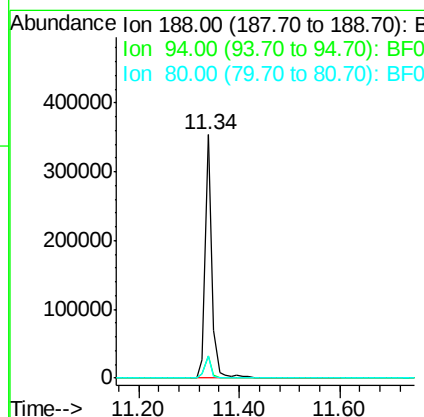
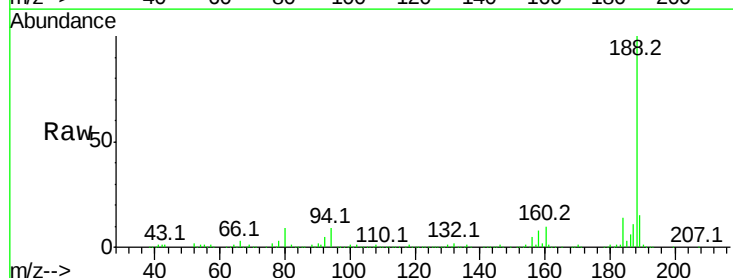
RT: 11.34 min Scan# 805

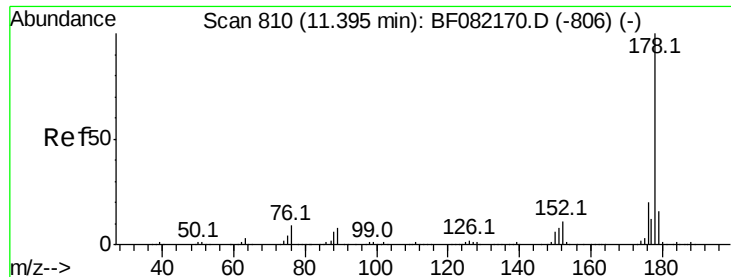
Delta R.T. -0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Tgt Ion:	188	Resp:	332910
Ion Ratio	Lower	Upper	
188	100		
94	8.9	5.8	8.6#
80	9.3	6.4	9.6





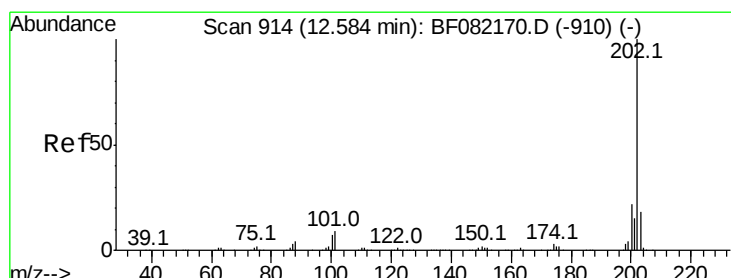
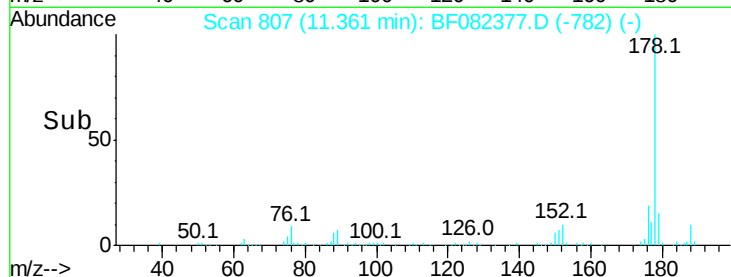
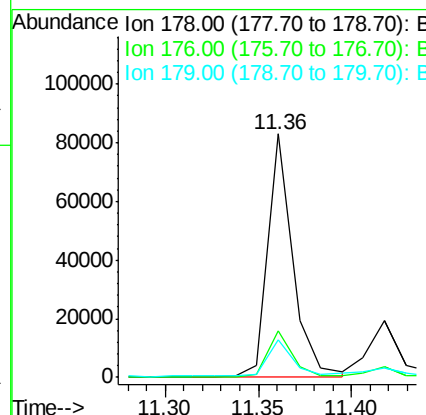
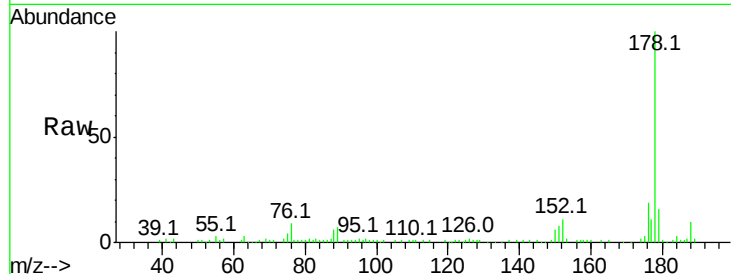
#70
Phenanthrene
Concen: 4.72 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.6	12.6	19.0

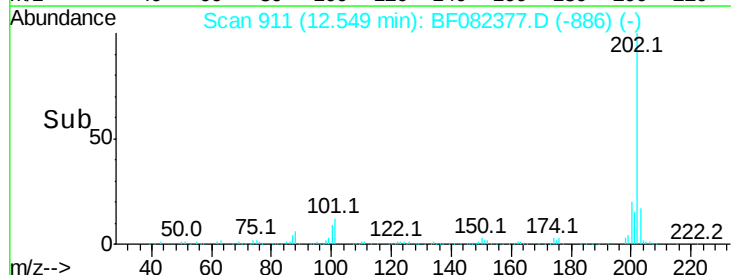
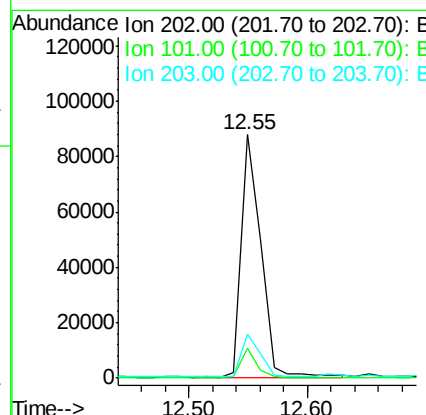
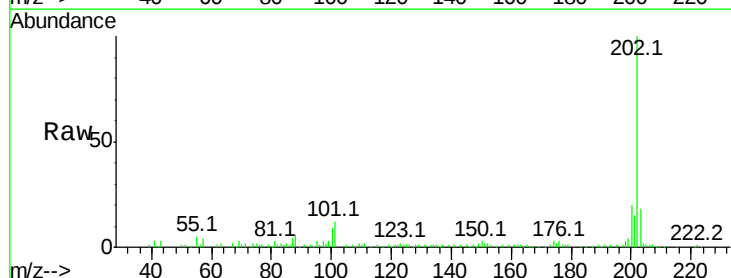
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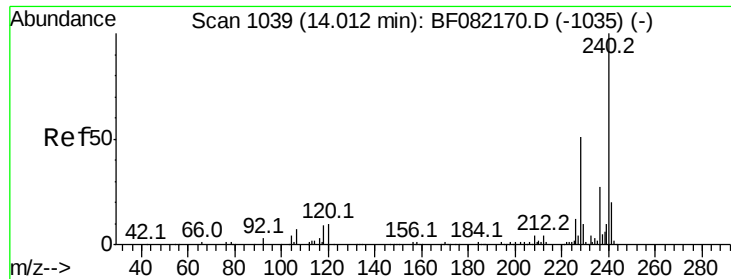
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#74
Fluoranthene
Concen: 5.75 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	29.3
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Instrument :

BNA_F

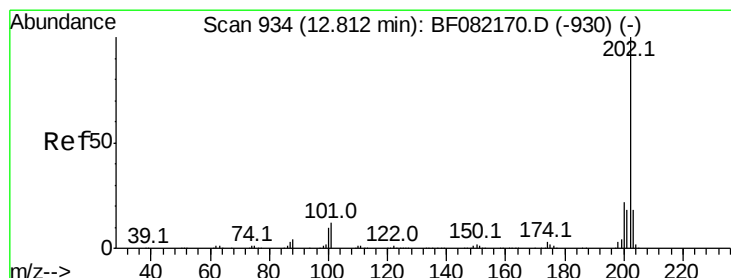
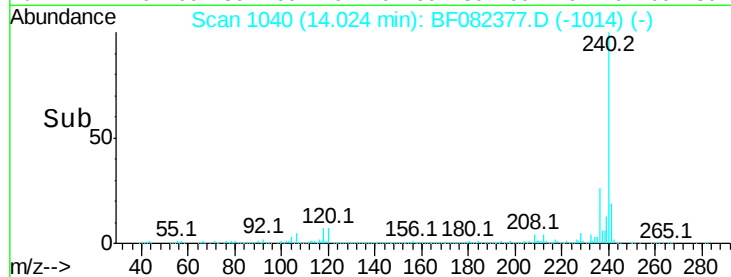
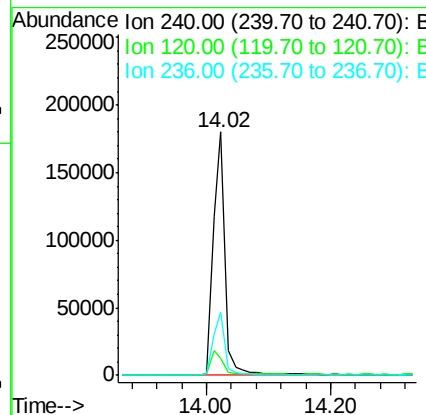
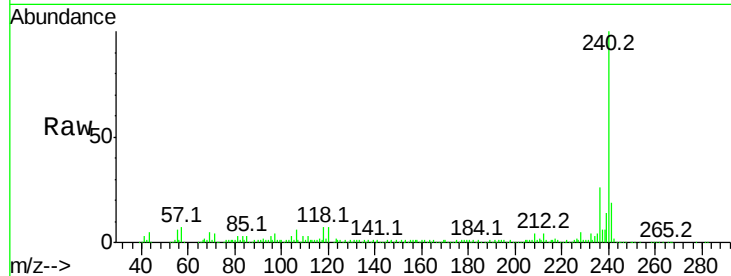
ClientSampleId :

IM-MLA-2.5-04

Tot Ion	Ratio	Resp	Lower	Upper
240	100	236072		
120	7.3	8.1	12.1#	
236	26.1	21.3	31.9	

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#77

Pyrene

Concen: 6.82 ng

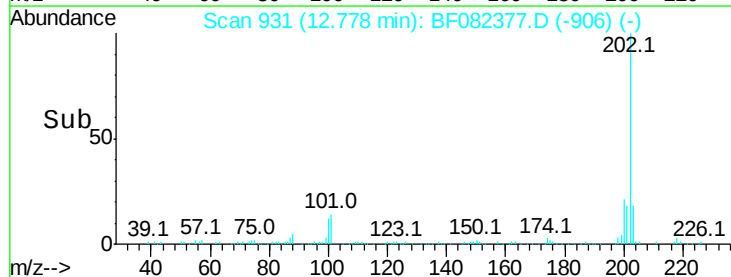
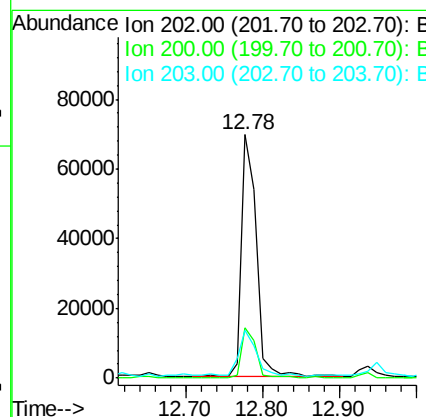
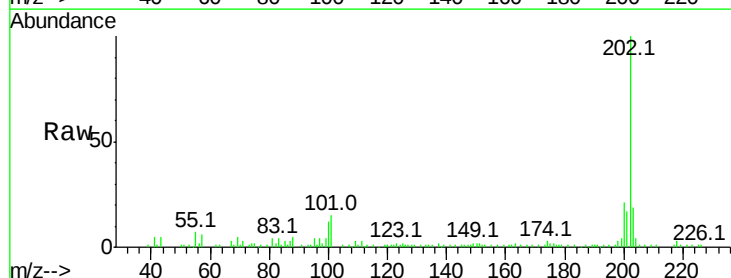
RT: 12.78 min Scan# 931

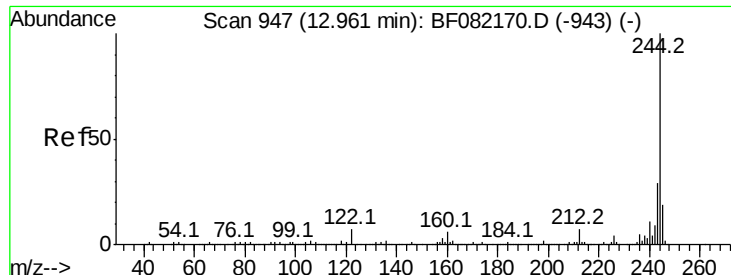
Delta R.T. -0.01 min

Lab File: BF082377.D

Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	95600		
200	20.6	17.9	26.9	
203	19.5	14.5	21.7	





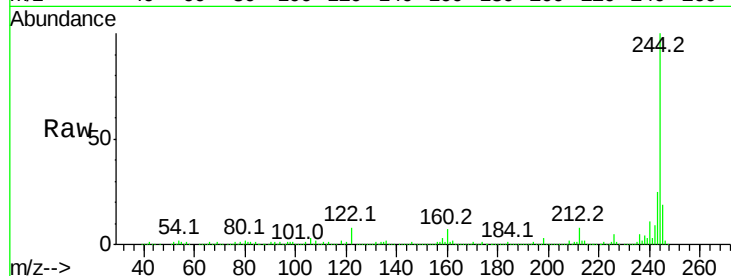
#78
 Terphenyl-d14
 Concen: 107.27 ng
 RT: 12.94 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-04

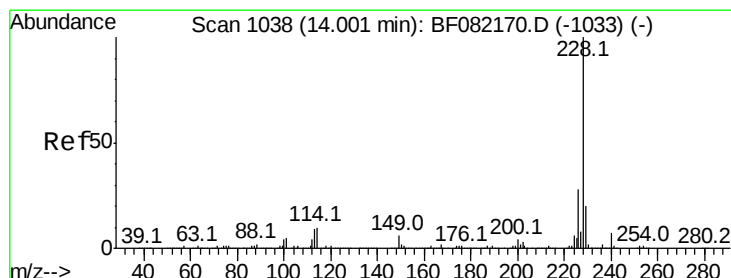
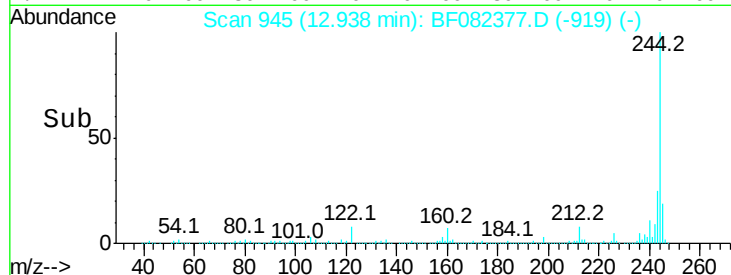
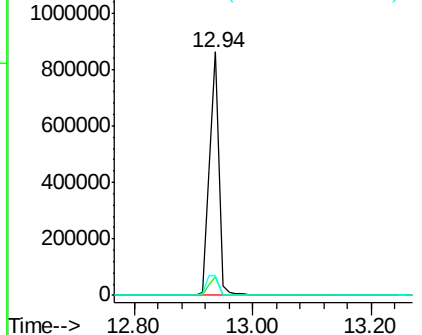
Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	5.8	8.6
122	8.3	5.9	8.9

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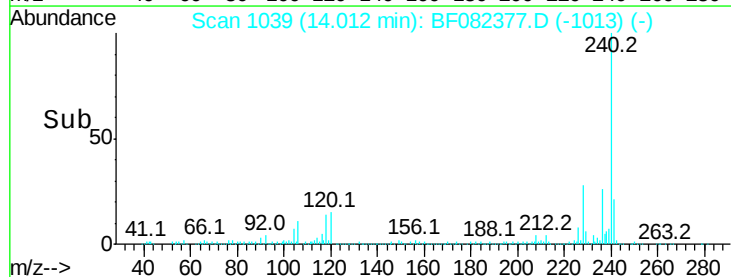
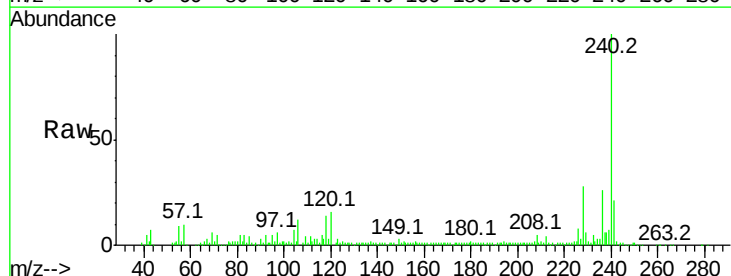
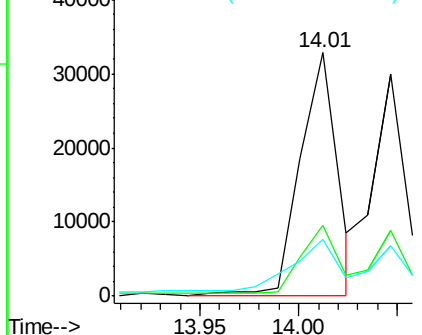
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

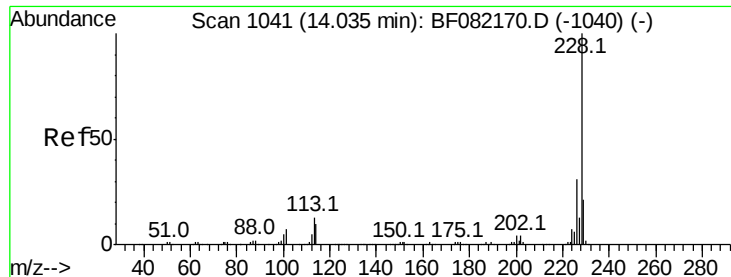


#80
 Benzo(a)anthracene
 Concen: 3.49 ng m
 RT: 14.01 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF082377.D
 Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.0	22.3	33.5
229	23.0	16.2	24.2

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





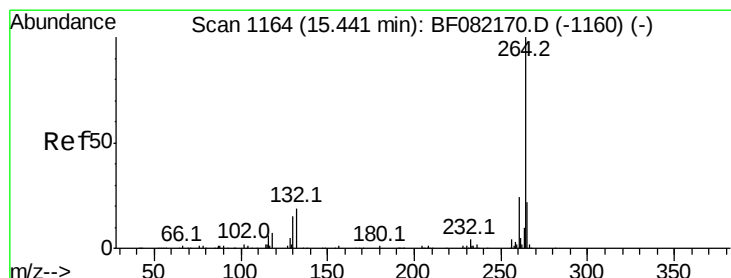
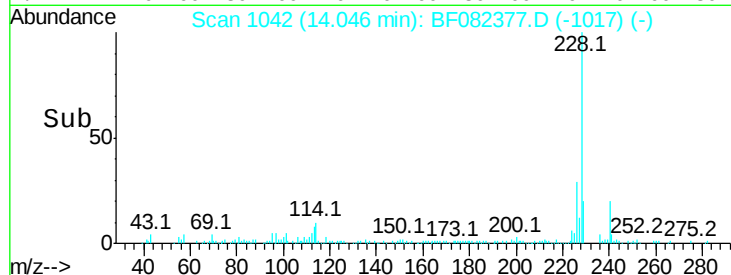
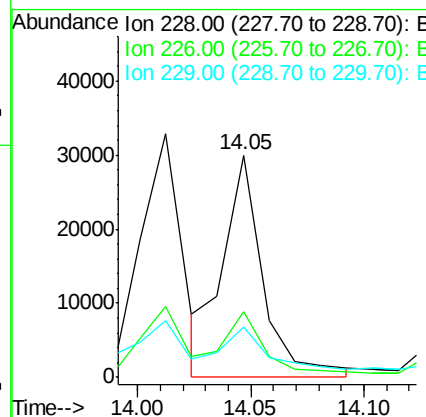
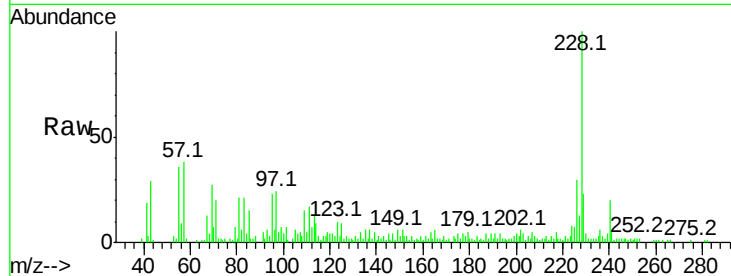
#82
Chrysene
Concen: 2.85 ng/ml
RT: 14.05 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	22.7	16.3	24.5

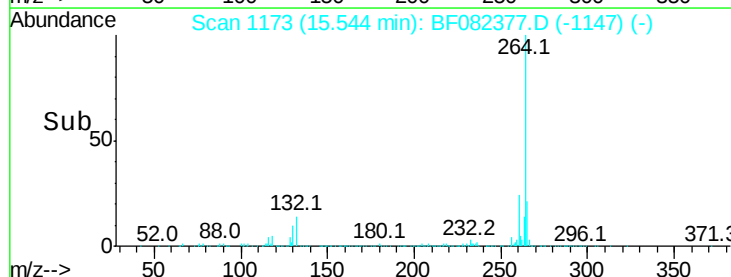
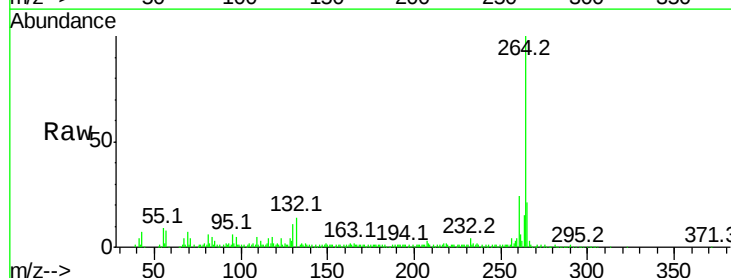
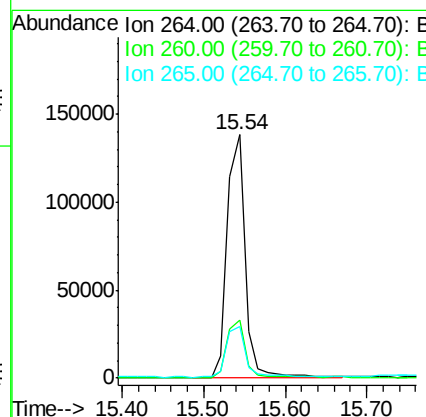
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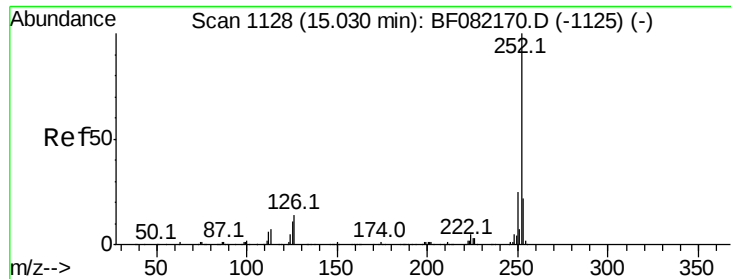
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.4	17.3	25.9





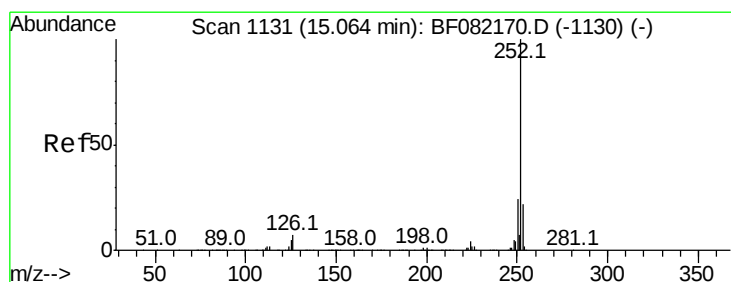
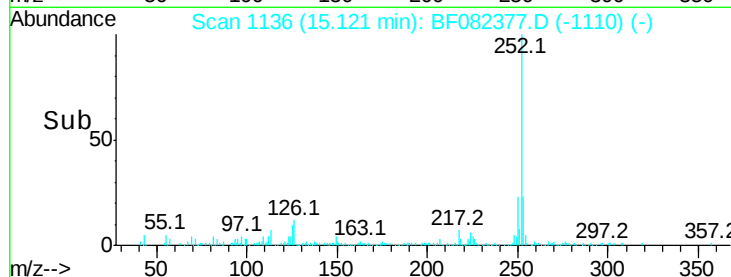
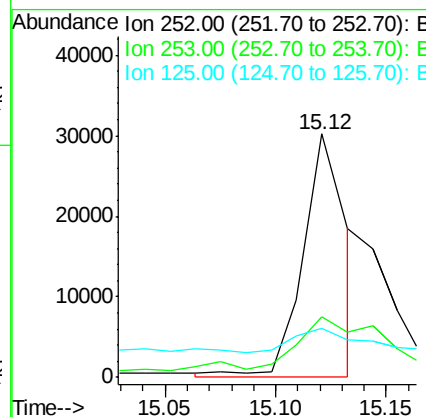
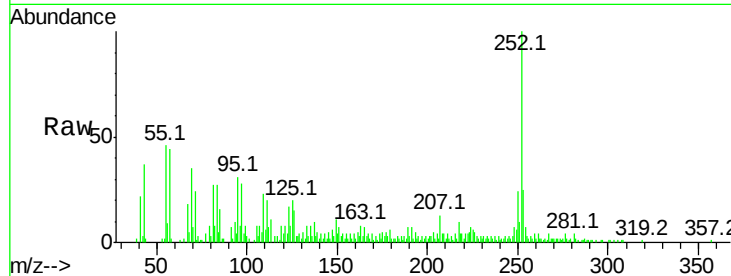
#87
Benzo(b)fluoranthene
Concen: 3.22 ng/mL
RT: 15.12 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.7	18.0	27.0
125	20.3	8.6	12.8

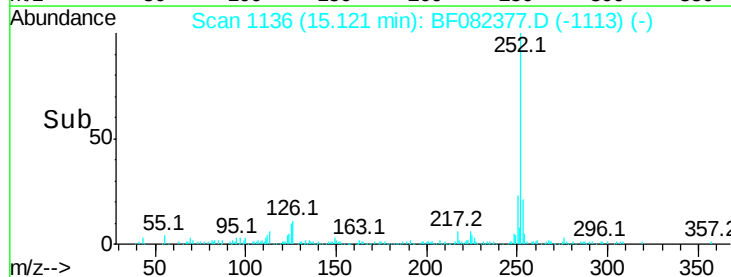
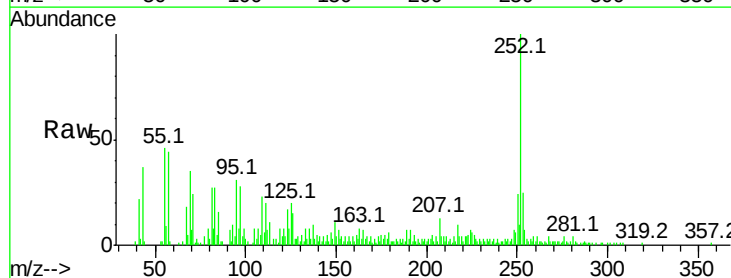
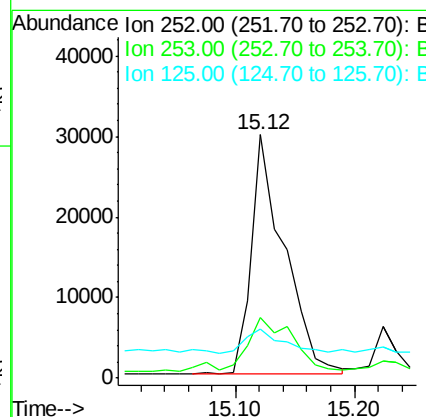
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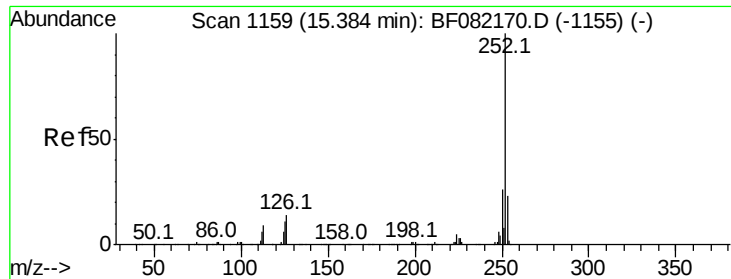
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#88
Benzo(k)fluoranthene
Concen: 5.33 ng/mL
RT: 15.12 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.7	17.8	26.6
125	20.3	6.7	10.1





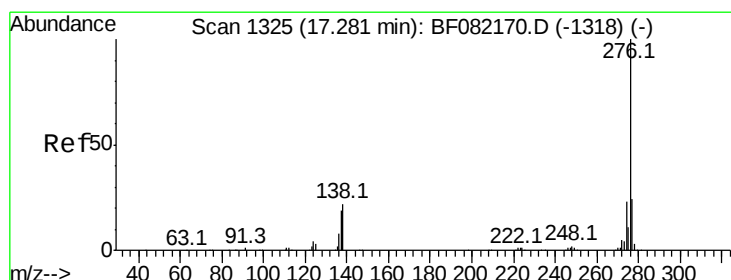
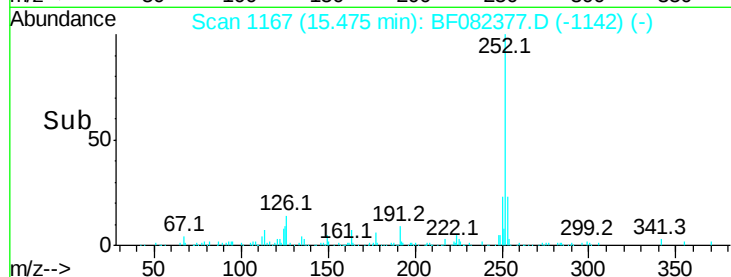
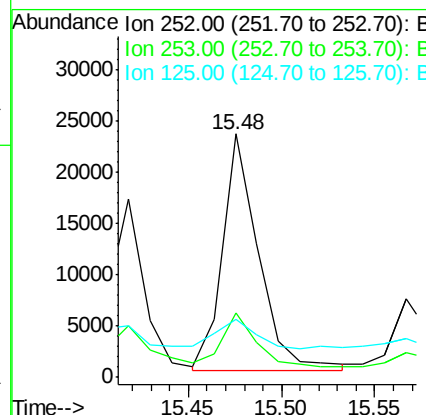
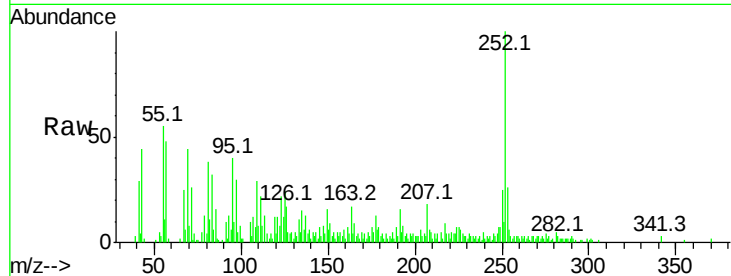
#89
Benzo(a)pyrene
Concen: 2.84 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-04

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.2	27.2
125	23.7	8.9	13.3#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.02 ng
RT: 17.40 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF082377.D
Acq: 20 Oct 2015 2:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.6	18.8	28.2#
138	25.0	17.4	26.2

