

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082379.D
 Acq On : 20 Oct 2015 3:36
 Operator : UM/IZ
 Sample : G4040-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:25:59 PM

Quant Time: Oct 20 07:57:37 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	95995	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	355401	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	175465	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	295904	20.00	ng	-0.03
75) Chrysene-d12	14.01	240	217832	20.00	ng	0.00
86) Perylene-d12	15.51	264	196496	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	727201	152.89	ng	-0.02
7) Phenol-d6	6.45	99	832165	134.44	ng	-0.03
23) Nitrobenzene-d5	7.37	82	520611	98.37	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	188103	114.31	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	1116211	105.50	ng	-0.03
78) Terphenyl-d14	12.94	244	856358	104.18	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.57	163	229393	18.57	ng	99
70) Phenanthrene	11.36	178	58512	4.03	ng	99
74) Fluoranthene	12.55	202	81709	5.25	ng	96
77) Pyrene	12.78	202	77975	6.03	ng	99
80) Benzo(a)anthracene	14.00	228	40162m	3.54	ng	
82) Chrysene	14.04	228	38037m	3.19	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	36901	4.38	ng	98
87) Benzo(b)fluoranthene	15.09	252	47087m	3.94	ng	
89) Benzo(a)pyrene	15.45	252	30636	2.98	ng	# 74
91) Benzo(g,h,i)perylene	17.36	276	17815	2.18	ng	# 84

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

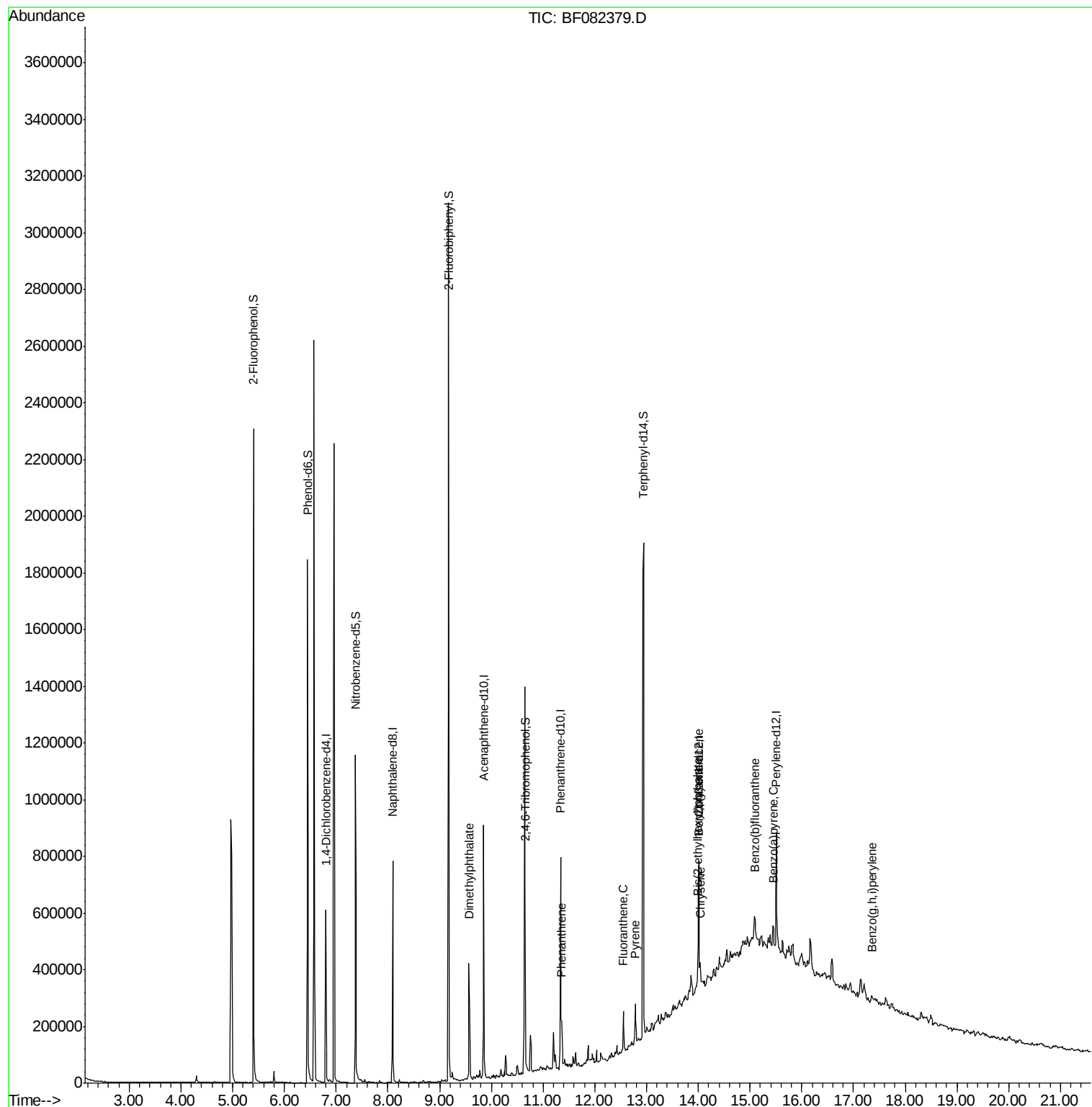
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082379.D
Acq On : 20 Oct 2015 3:36
Operator : UM/IZ
Sample : G4040-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

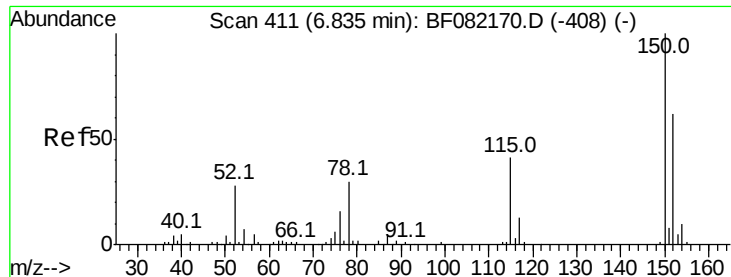
Instrument :
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ClientSampleId :
IM-MLA-1.5-05

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#1

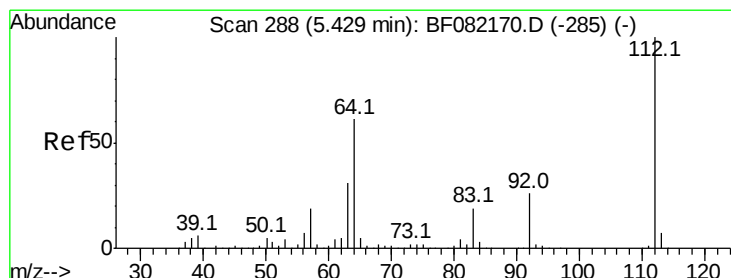
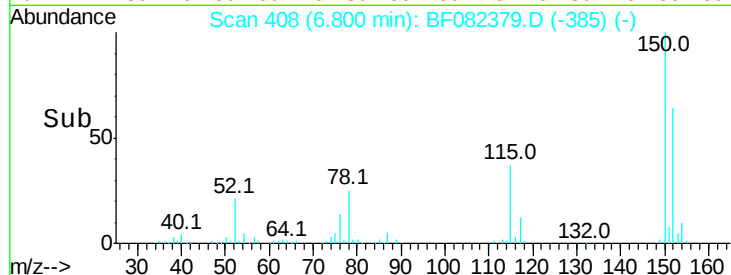
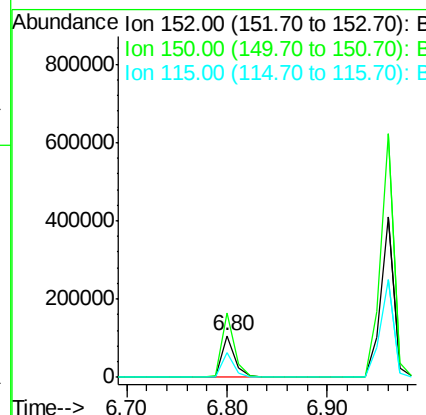
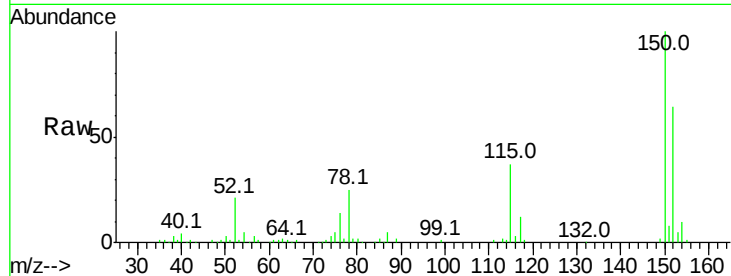
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	129.0	193.4
115	58.4	52.1	78.1

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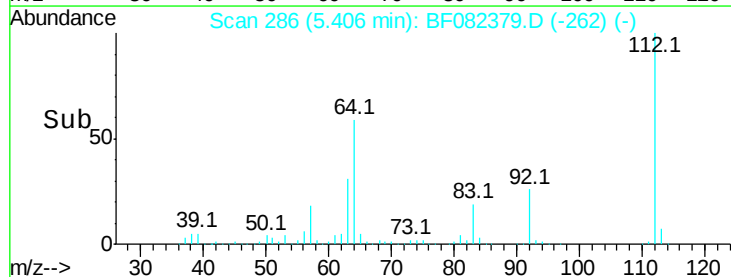
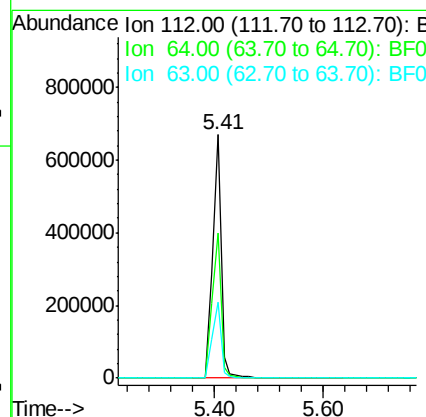
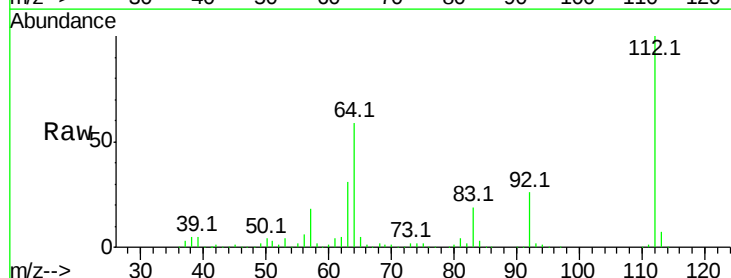
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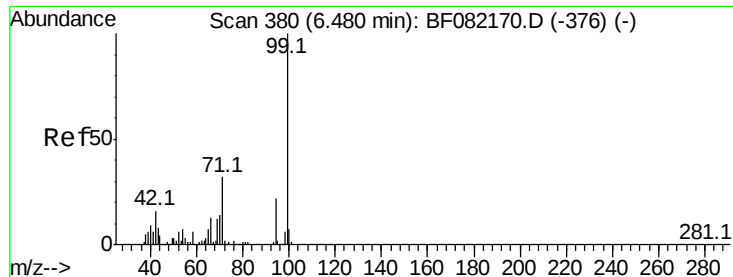


#5

2-Fluorophenol
Concen: 152.89 ng
RT: 5.41 min Scan# 286
Delta R.T. -0.02 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.6	73.0
63	31.0	25.1	37.7





#7

Phenol-d6

Concen: 134.44 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

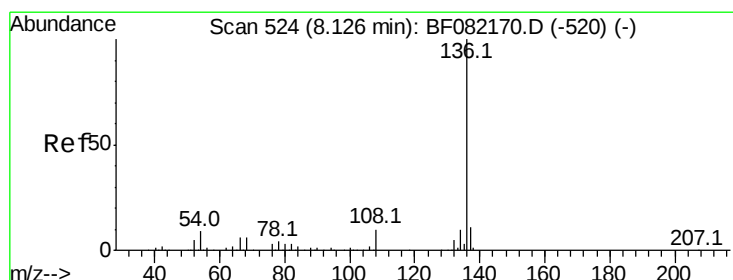
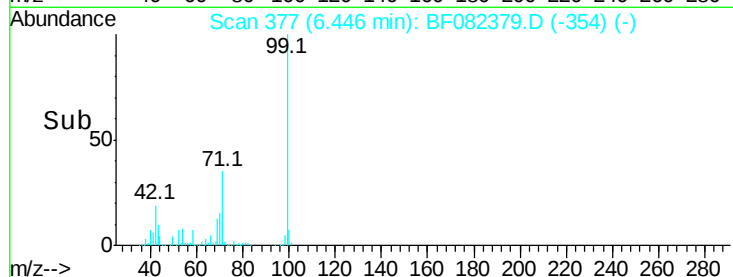
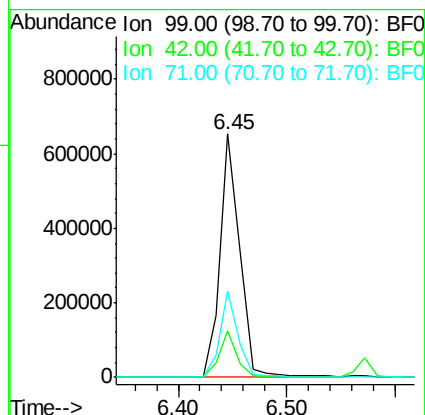
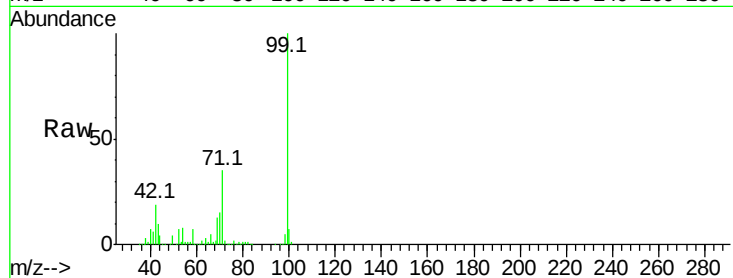
ClientSampleId :

IM-MLA-1.5-05

Tot Ion:	99	Resp:	832165
Ion Ratio	Lower	Upper	
99	100		
42	19.0	13.2	19.8
71	35.4	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

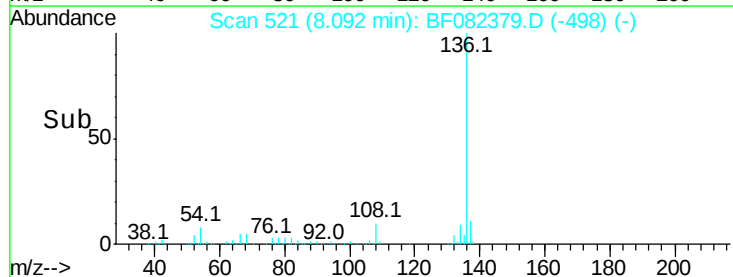
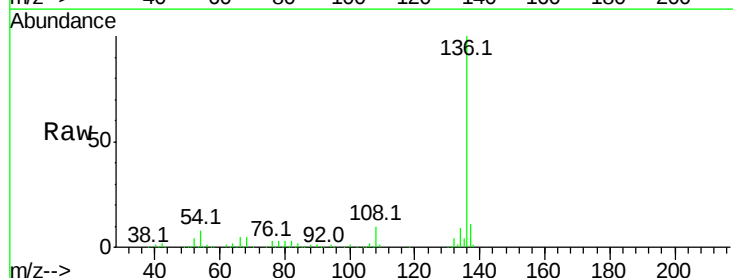
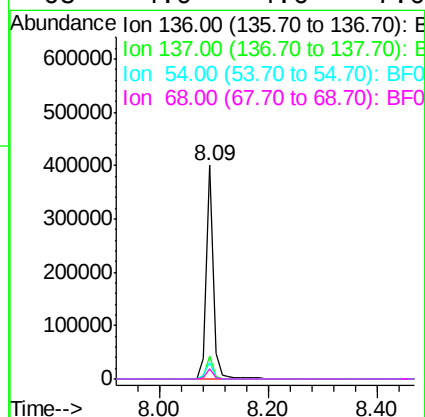
RT: 8.09 min Scan# 521

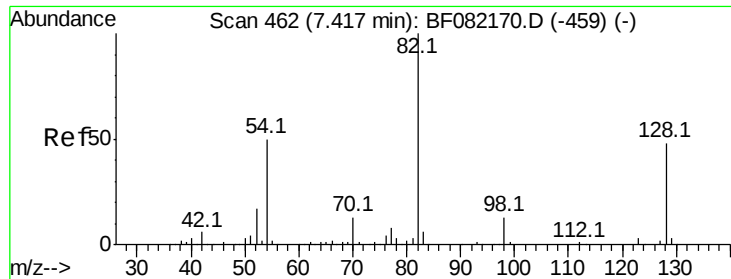
Delta R.T. -0.03 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Tgt Ion:	136	Resp:	355401
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.6
54	7.8	7.5	11.3
68	4.9	4.6	7.0





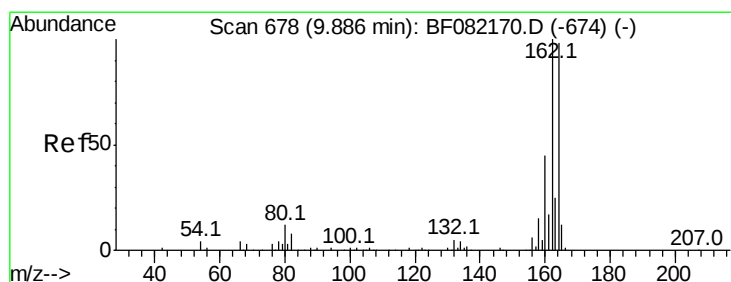
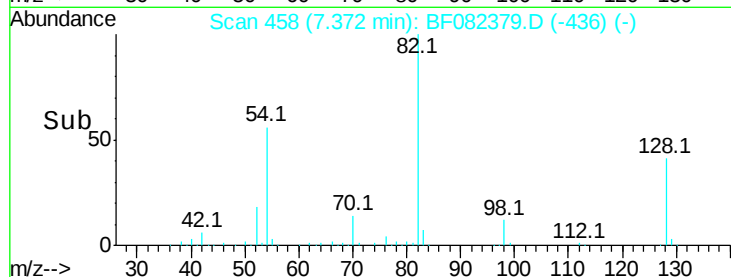
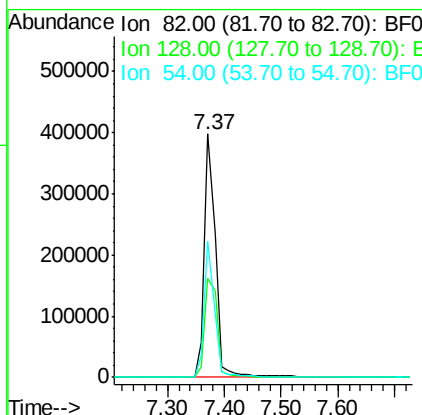
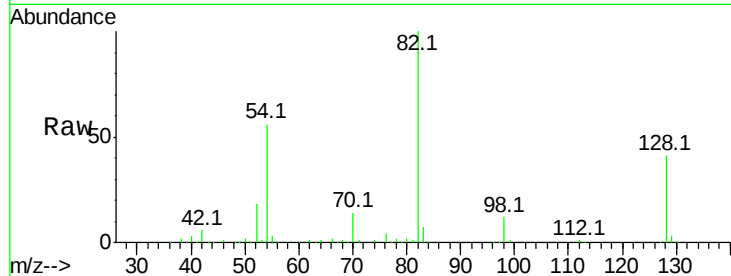
#23
Nitrobenzene-d5
Concen: 98.37 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tot Ion	Ratio	Resp	Lower	Upper
82	100	520611		
128	40.8	38.7	58.1	
54	55.9	40.1	60.1	

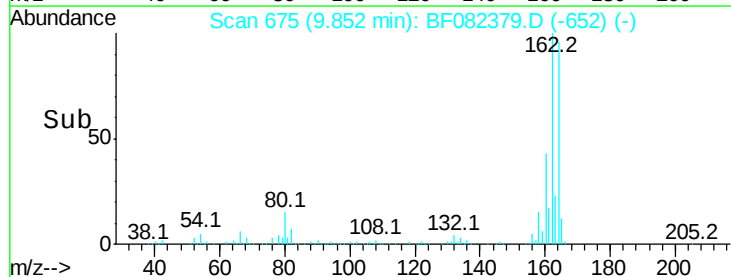
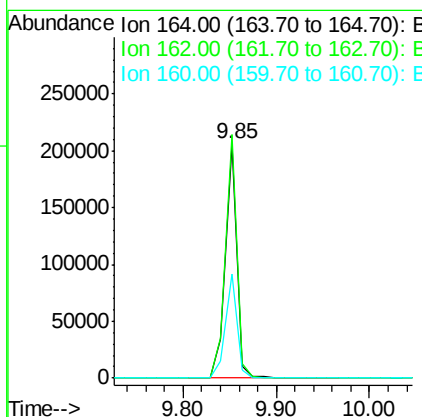
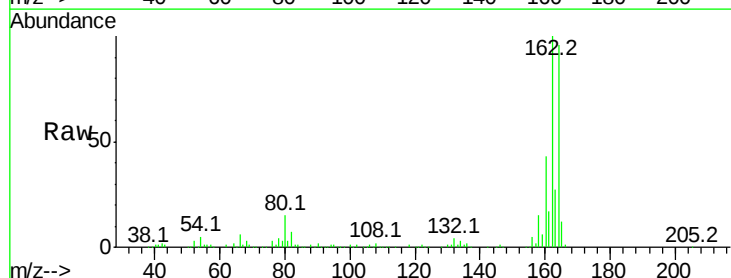
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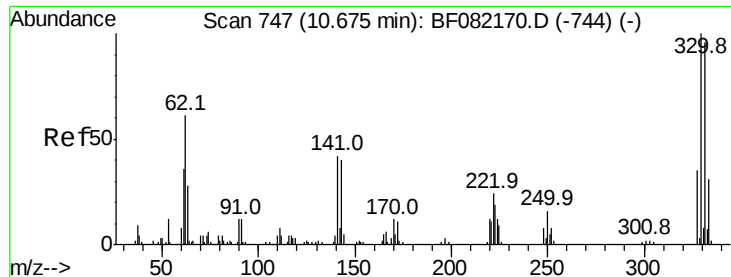
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175465		
162	104.2	81.6	122.4	
160	44.8	36.4	54.6	





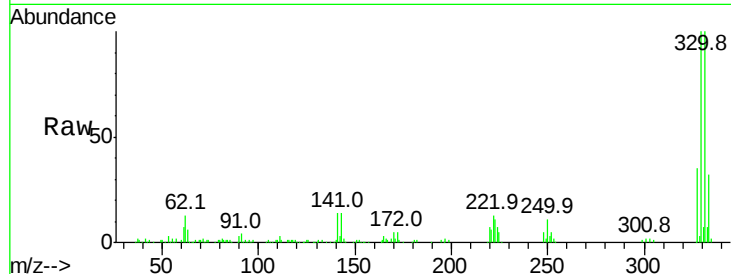
#41
 2,4,6-Tribromophenol
 Concen: 114.31 ng
 RT: 10.65 min Scan# 745
 Delta R.T. -0.02 min
 Lab File: BF082379.D
 Acq: 20 Oct 2015 3:36

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05

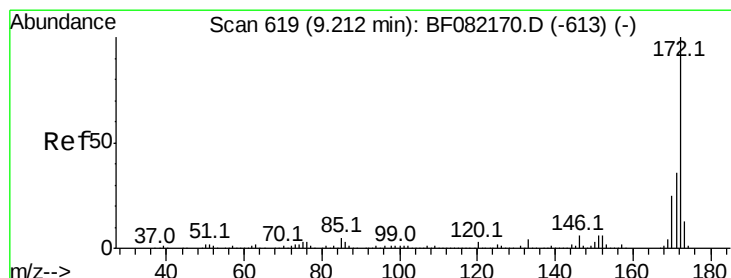
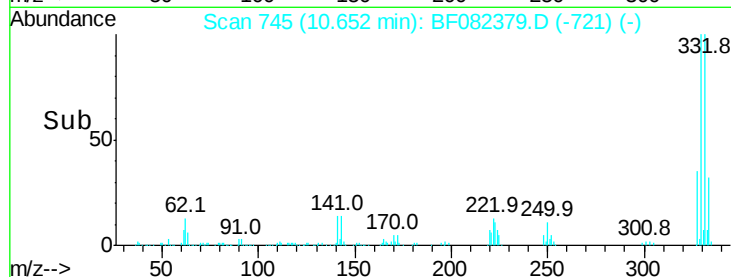
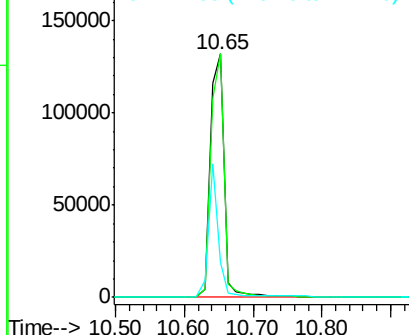
Tot Ion	Ratio	Resp	Lower	Upper
330	100	188103		
332	96.6		77.1	115.7
141	39.6		29.8	44.8

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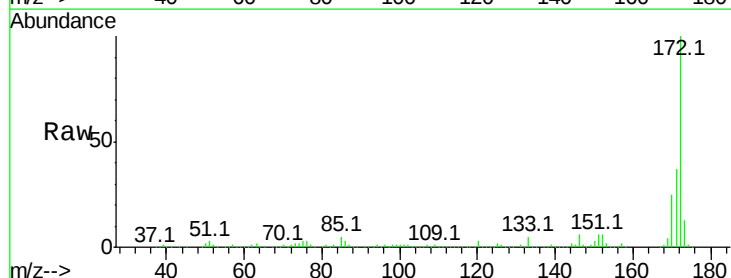


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

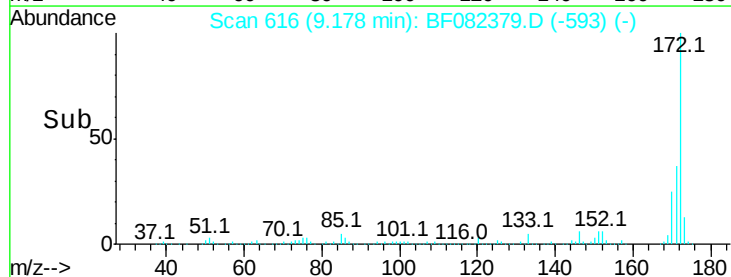
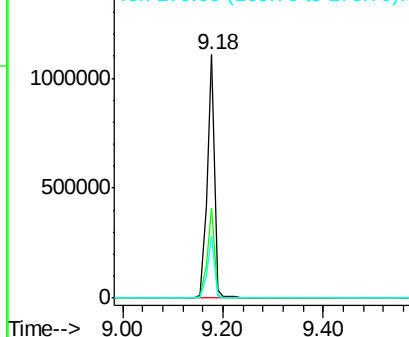


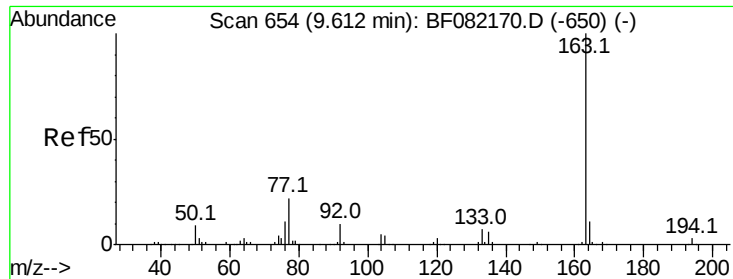
#44
 2-Fluorobiphenyl
 Concen: 105.50 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082379.D
 Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1116211		
171	36.8		28.6	42.8
170	25.2		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





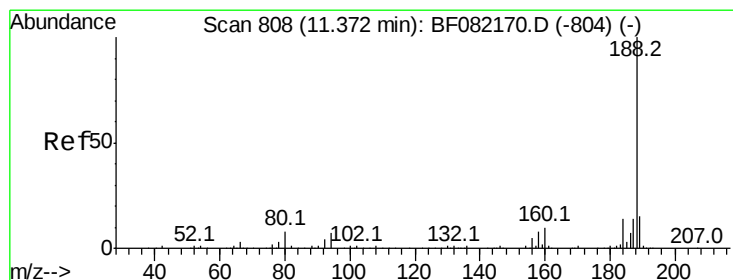
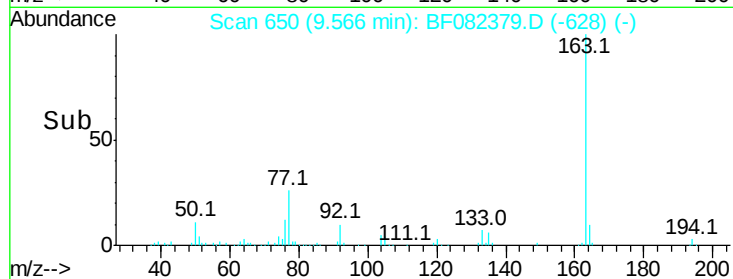
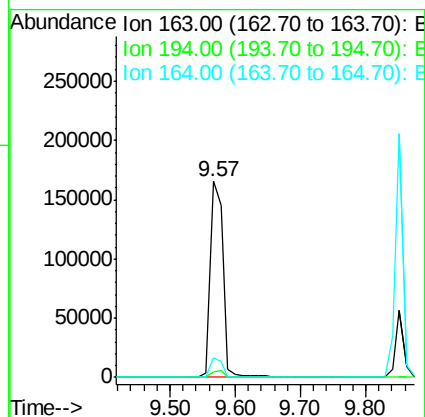
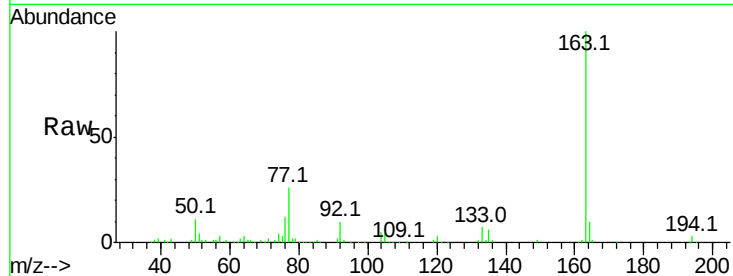
#49
Dimethylphthalate
Concen: 18.57 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tot Ion	Ratio	Resp	Lower	Upper
163	100	229393		
194	2.9	2.6	4.0	
164	10.2	8.5	12.7	

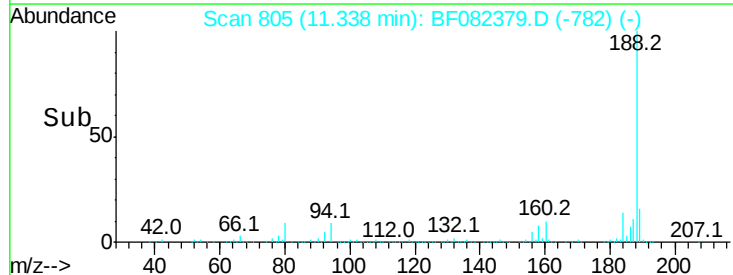
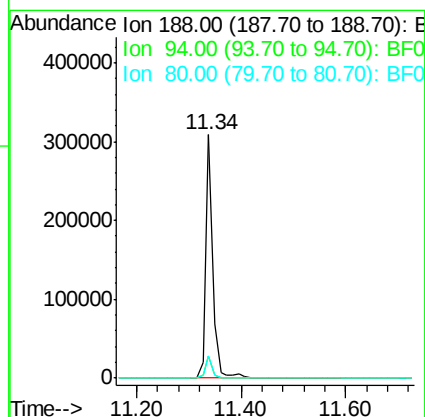
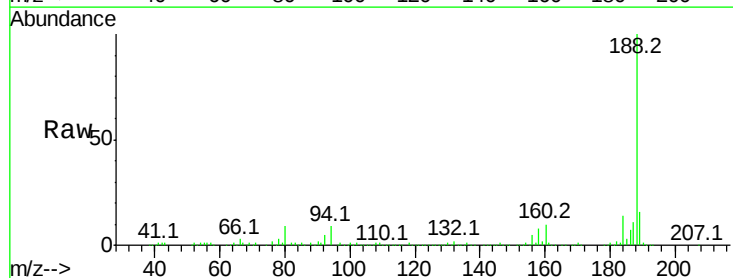
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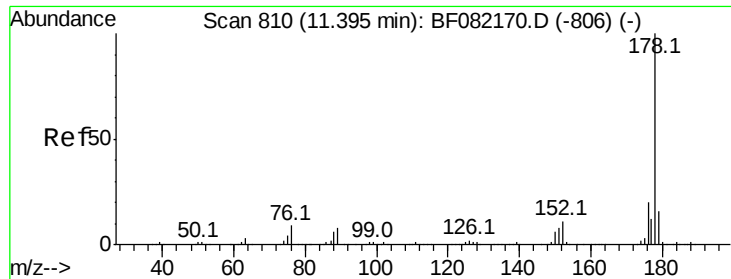
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	295904		
94	9.1	5.8	8.6#	
80	9.2	6.4	9.6	





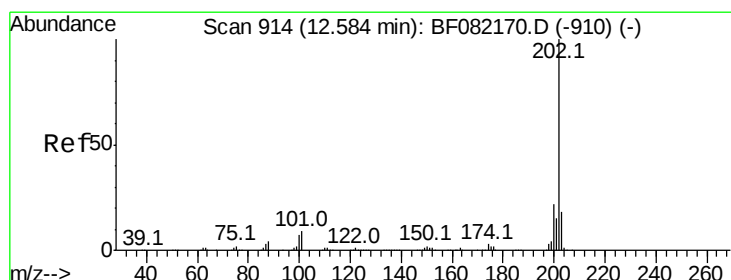
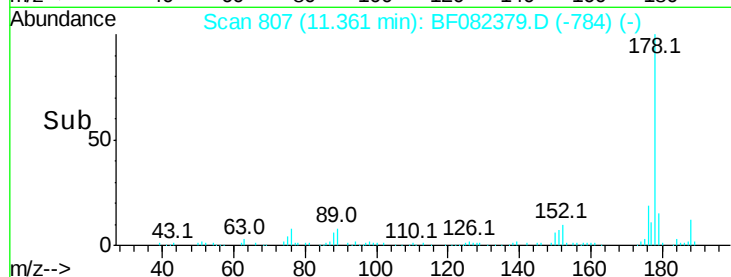
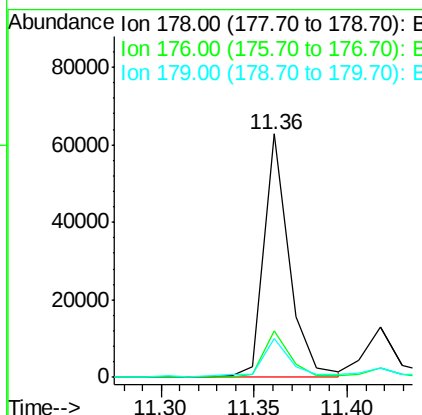
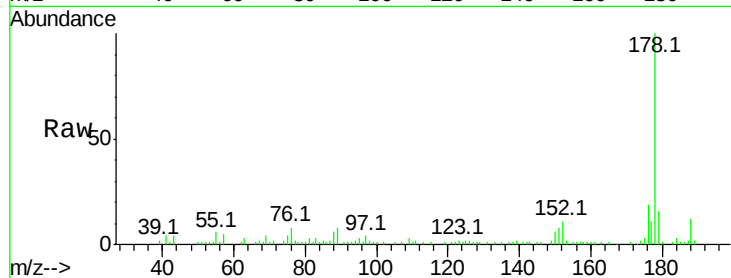
#70
Phenanthrene
Concen: 4.03 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.0	24.0
179	15.8	12.6	19.0

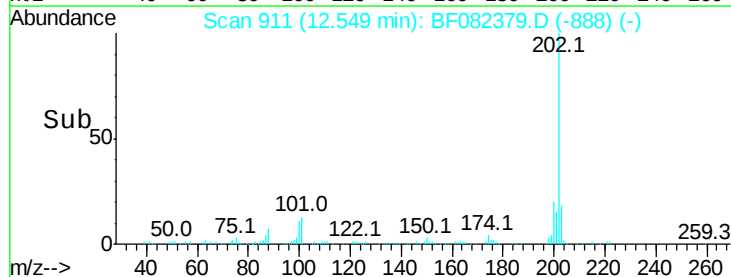
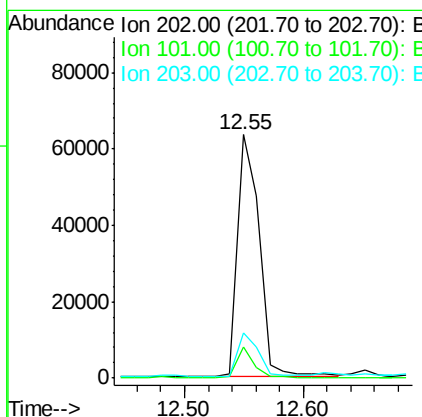
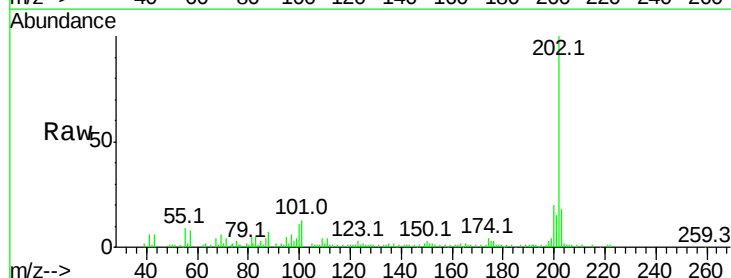
Manual Integrations
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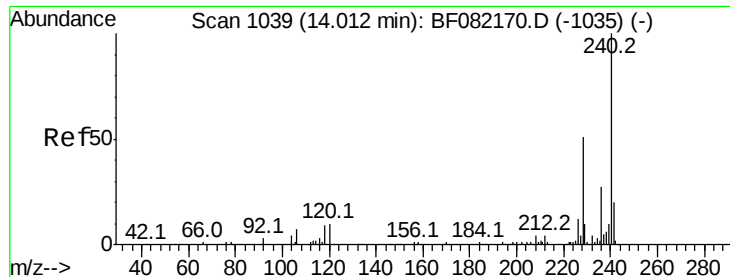
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#74
Fluoranthene
Concen: 5.25 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	29.3
203	18.4	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

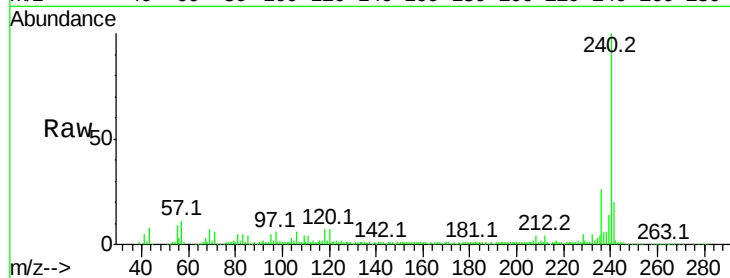
ClientSampleId :

IM-MLA-1.5-05

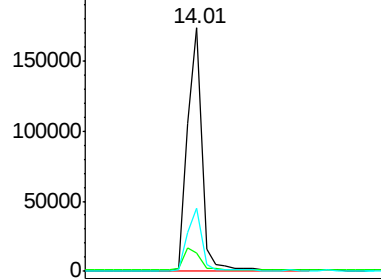
Tot Ion:	240	Resp:	217832
Ion Ratio	Lower	Upper	
240	100		
120	7.3	8.1	12.1#
236	25.9	21.3	31.9

Manual Integrations
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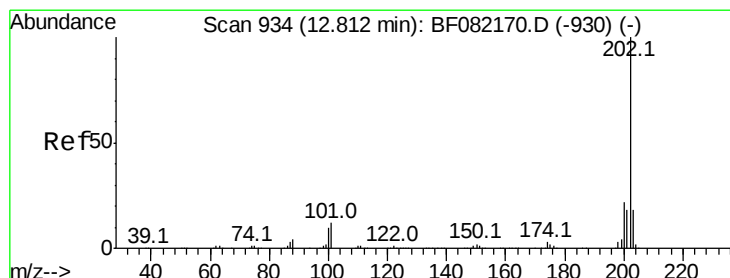
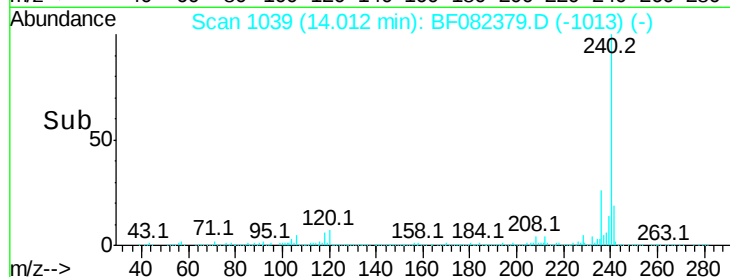
MMdadoda
10/20/2015 6:25:59 PM



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



Time--> 13.90 14.00 14.10 14.20



#77

Pyrene

Concen: 6.03 ng

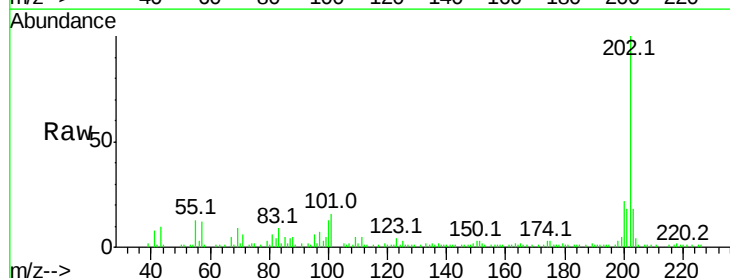
RT: 12.78 min Scan# 931

Delta R.T. -0.03 min

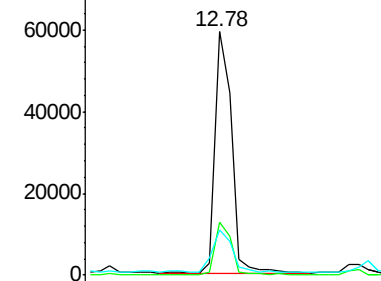
Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

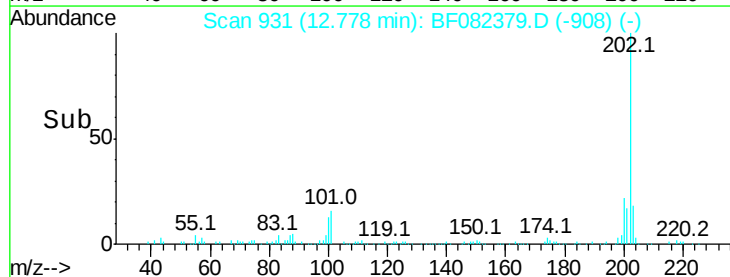
Tgt Ion:	202	Resp:	77975
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.9	26.9
203	18.5	14.5	21.7

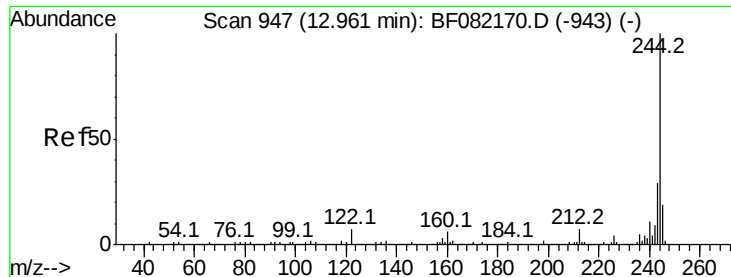


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.70 12.80 12.90





#78

Terphenyl-d14

Concen: 104.18 ng

RT: 12.94 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

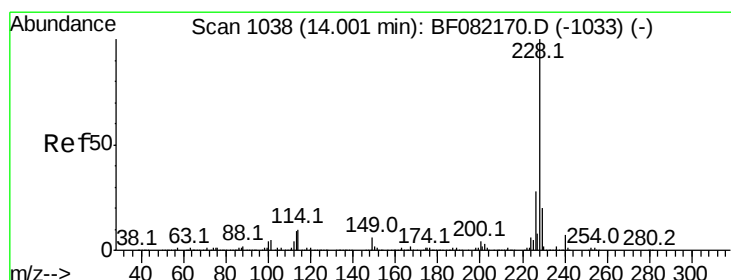
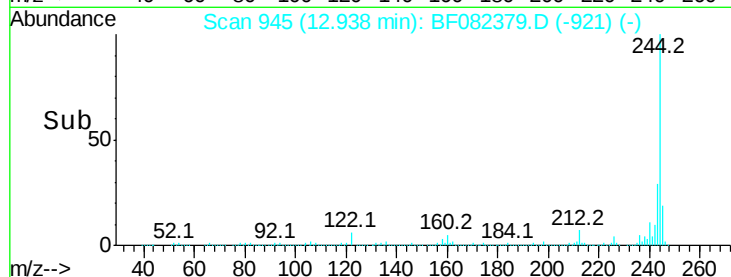
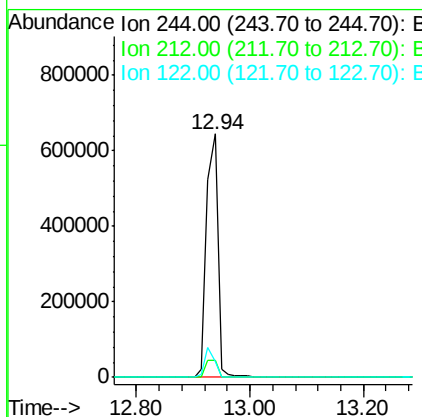
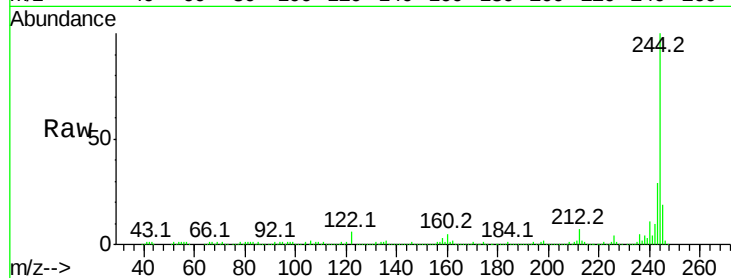
ClientSampleId :

IM-MLA-1.5-05

Tot Ion:	244	Resp:	856358
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.6
122	6.3	5.9	8.9

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#80

Benzo(a)anthracene

Concen: 3.54 ng m

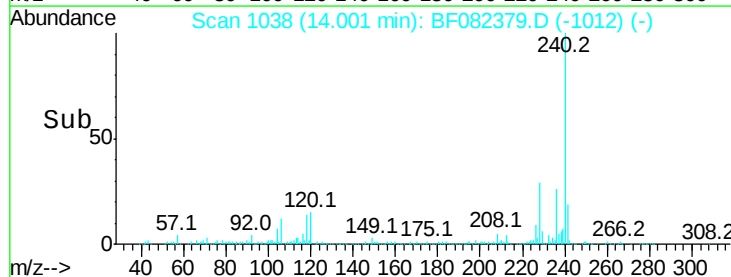
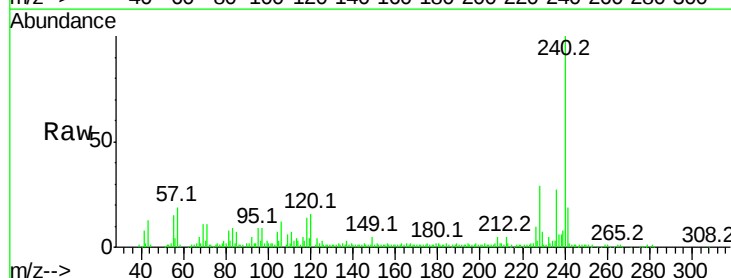
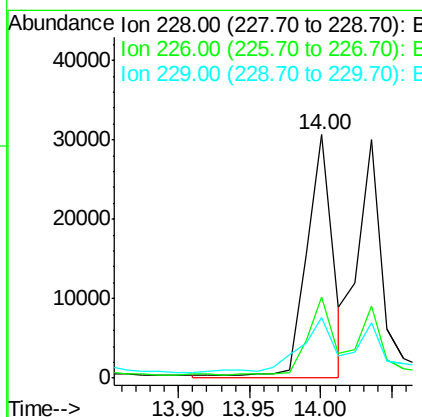
RT: 14.00 min Scan# 1038

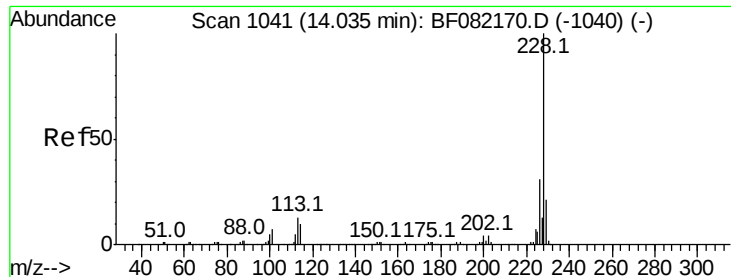
Delta R.T. -0.00 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Tgt Ion:	228	Resp:	40162
Ion Ratio	Lower	Upper	
228	100		
226	33.5	22.3	33.5#
229	24.7	16.2	24.2#





#82

Chrysene

Concen: 3.19 ng/mL

RT: 14.04 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Instrument :

BNA_F

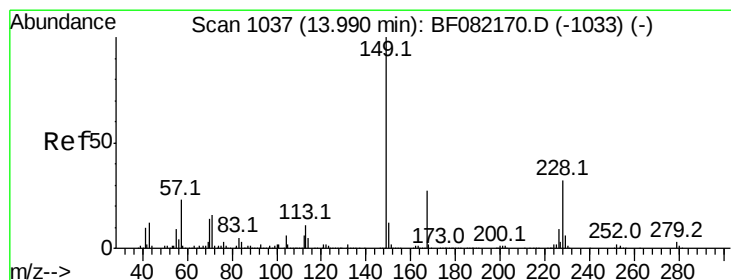
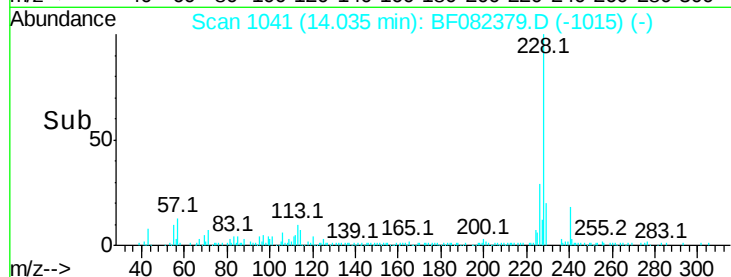
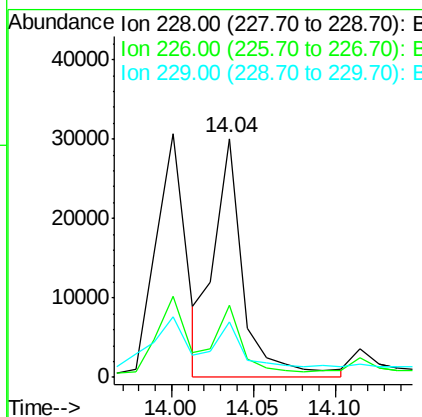
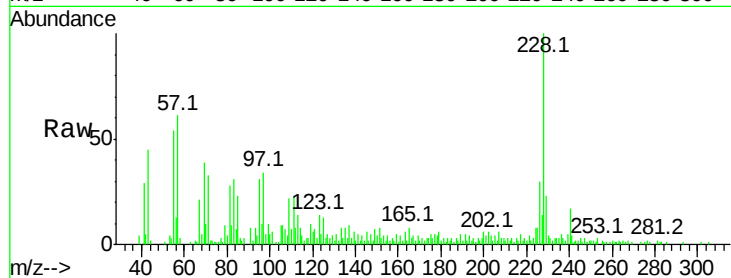
Client Sample ID :

IM-MLA-1.5-05

Tot Ion:	228	Resp:	38037
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	23.1	16.3	24.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.38 ng/mL

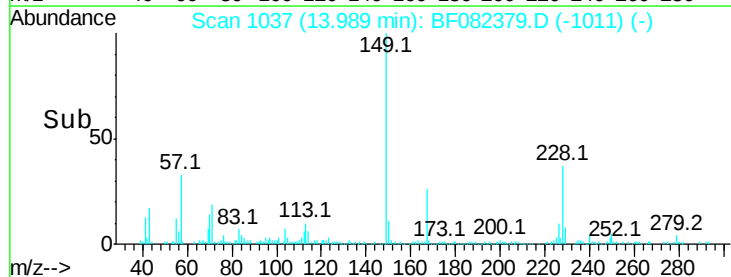
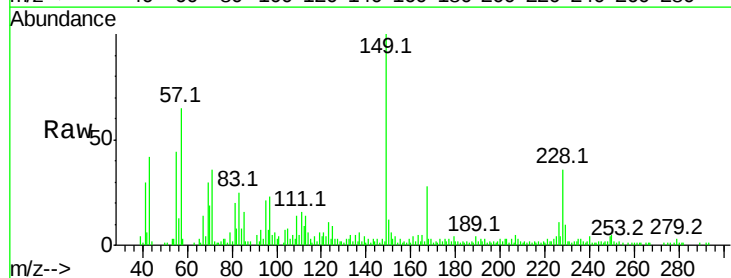
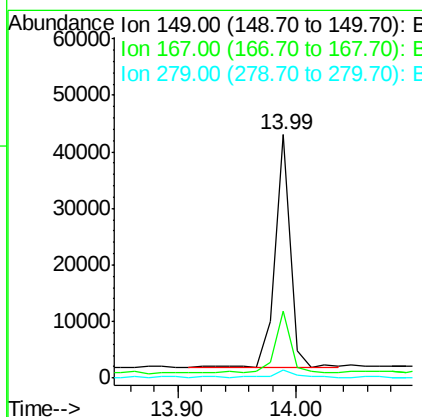
RT: 13.99 min Scan# 1037

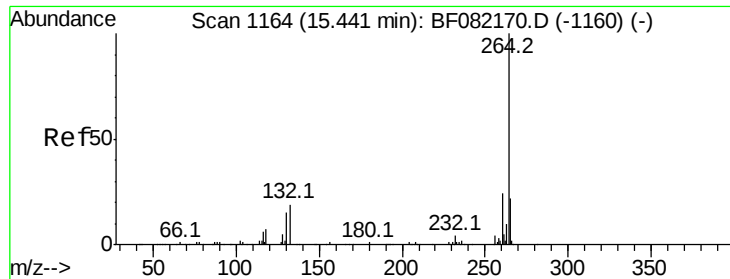
Delta R.T. -0.00 min

Lab File: BF082379.D

Acq: 20 Oct 2015 3:36

Tgt Ion:	149	Resp:	36901
Ion Ratio	Lower	Upper	
149	100		
167	27.7	21.3	31.9
279	3.5	2.6	4.0





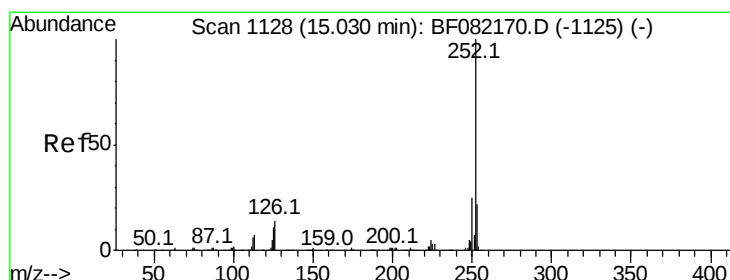
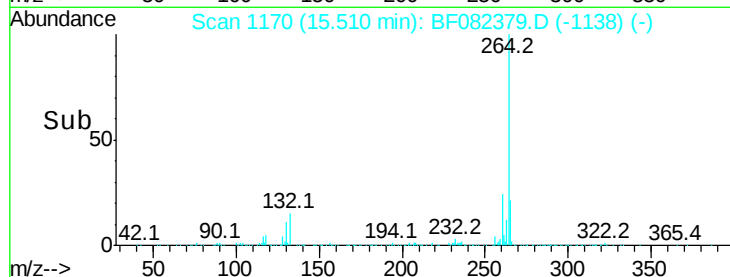
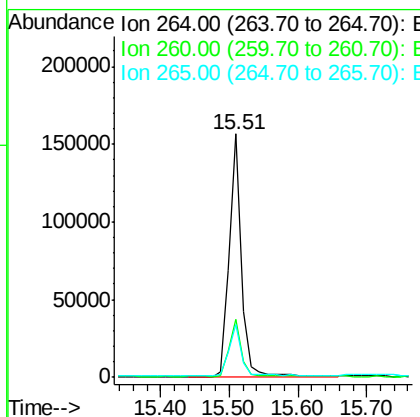
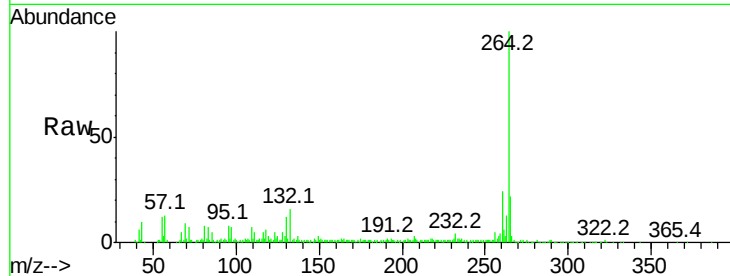
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. 0.07 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	19.0	28.6	
265	21.7	17.3	25.9	

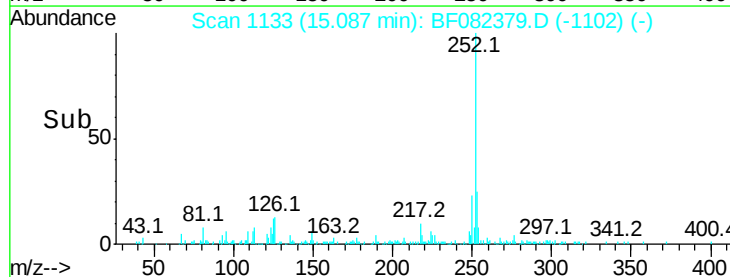
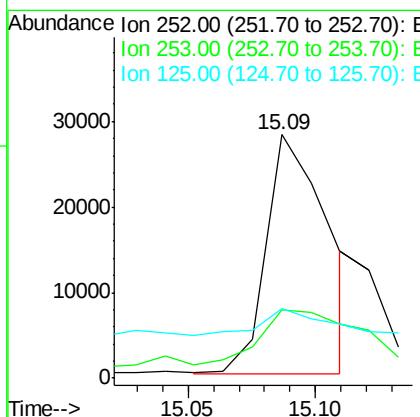
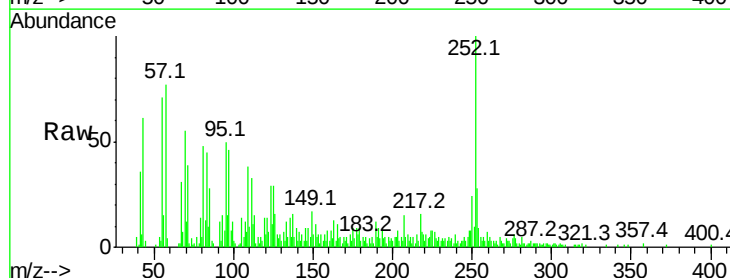
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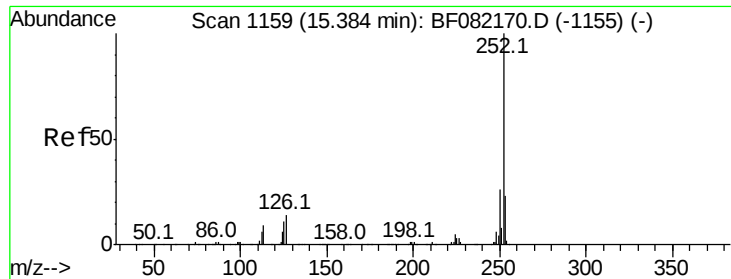
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#87
Benzo(b)fluoranthene
Concen: 3.94 ng m
RT: 15.09 min Scan# 1133
Delta R.T. 0.06 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	28.2	18.0	27.0#	
125	28.8	8.6	12.8#	





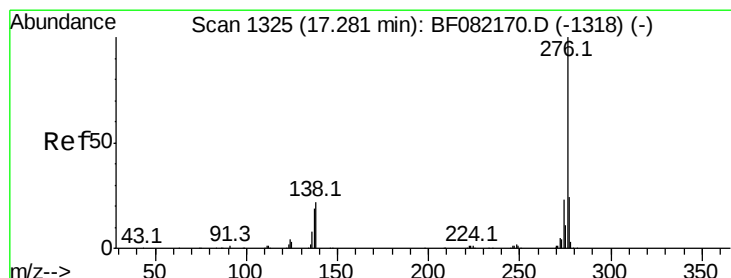
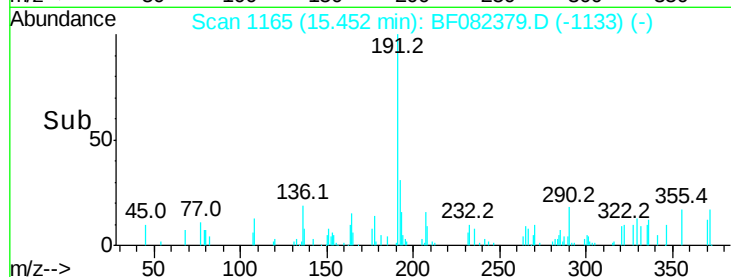
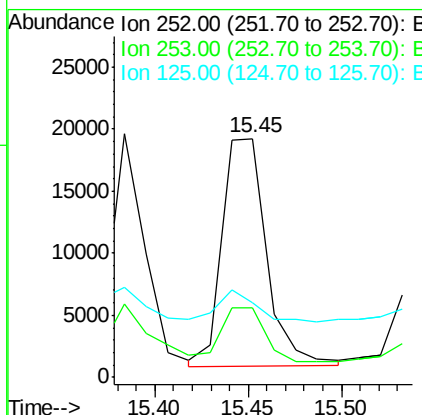
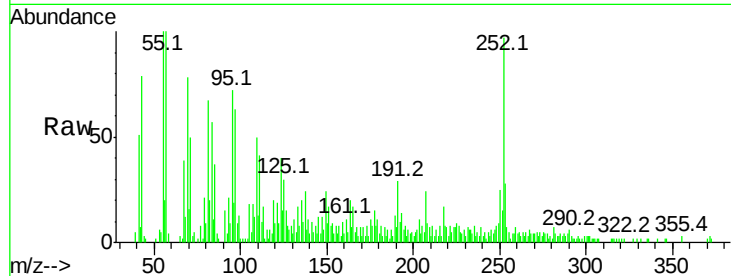
#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 15.45 min Scan# 1165
Delta R.T. 0.07 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.2	27.2#
125	31.2	8.9	13.3#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.18 ng
RT: 17.36 min Scan# 1332
Delta R.T. 0.08 min
Lab File: BF082379.D
Acq: 20 Oct 2015 3:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.9	18.8	28.2#
138	30.3	17.4	26.2#

