

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110515\
 Data File : BM003064.D
 Acq On : 05 Nov 2015 15:08
 Operator : UM/IZ
 Sample : G4259-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-03-110315

Manual Integrations
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 11/6/2015 3:46:05 PM

Quant Time: Nov 17 12:58:38 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 12:50:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	81768	5.00	ng	0.00
7) Naphthalene-d8	10.54	136	312375	5.00	ng	0.00
13) Acenaphthene-d10	14.39	164	150168	5.00	ng	0.00
19) Phenanthrene-d10	17.14	188	354099	5.00	ng	0.00
26) Chrysene-d12	21.33	240	318912	5.00	ng	0.00
35) Perylene-d12	23.60	264	273100	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	96882	5.60	ng	0.00
5) Phenol-d6	6.92	99	71609	3.55	ng	0.00
8) Nitrobenzene-d5	8.92	82	105392	7.32	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	75697	19.47	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	346338	7.31	ng	0.00
29) Terphenyl-d14	19.77	244	337400	7.34	ng	0.00
Target Compounds						Qvalue
10) Naphthalene	10.60	128	11320	0.17	ng	98
11) Hexachlorobutadiene	10.89	225	466m	0.04	ng	
12) 2-Methylnaphthalene	12.22	142	2702	0.06	ng	96
16) Acenaphthylene	14.11	152	3316	0.06	ng	# 92
17) Acenaphthene	14.46	154	3545	0.09	ng	# 100
18) Fluorene	15.46	166	2979	0.07	ng	# 10
22) Pentachlorophenol	16.78	266	2596	0.64	ng	92
24) Anthracene	17.27	178	15025	0.20	ng	98
25) Fluoranthene	19.21	202	7285	0.04	ng	98
28) Pyrene	19.57	202	7858	0.08	ng	98
30) Benzo(a)anthracene	21.31	228	11948m	0.18	ng	
33) Bis(2-ethylhexyl)phthalate	21.25	149	10836	0.49	ng	# 92
34) Indeno(1,2,3-cd)pyrene	25.88	276	9427	0.17	ng	# 85
36) Benzo(b)fluoranthene	22.91	252	11238	0.10	ng	# 81
37) Benzo(k)fluoranthene	22.96	252	10695	0.10	ng	# 77
38) Benzo(a)pyrene	23.49	252	8130	0.12	ng	# 74
39) Dibenzo(a,h)anthracene	25.90	278	7493	0.11	ng	# 86
40) Benzo(g,h,i)perylene	26.58	276	8532	0.12	ng	# 92

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

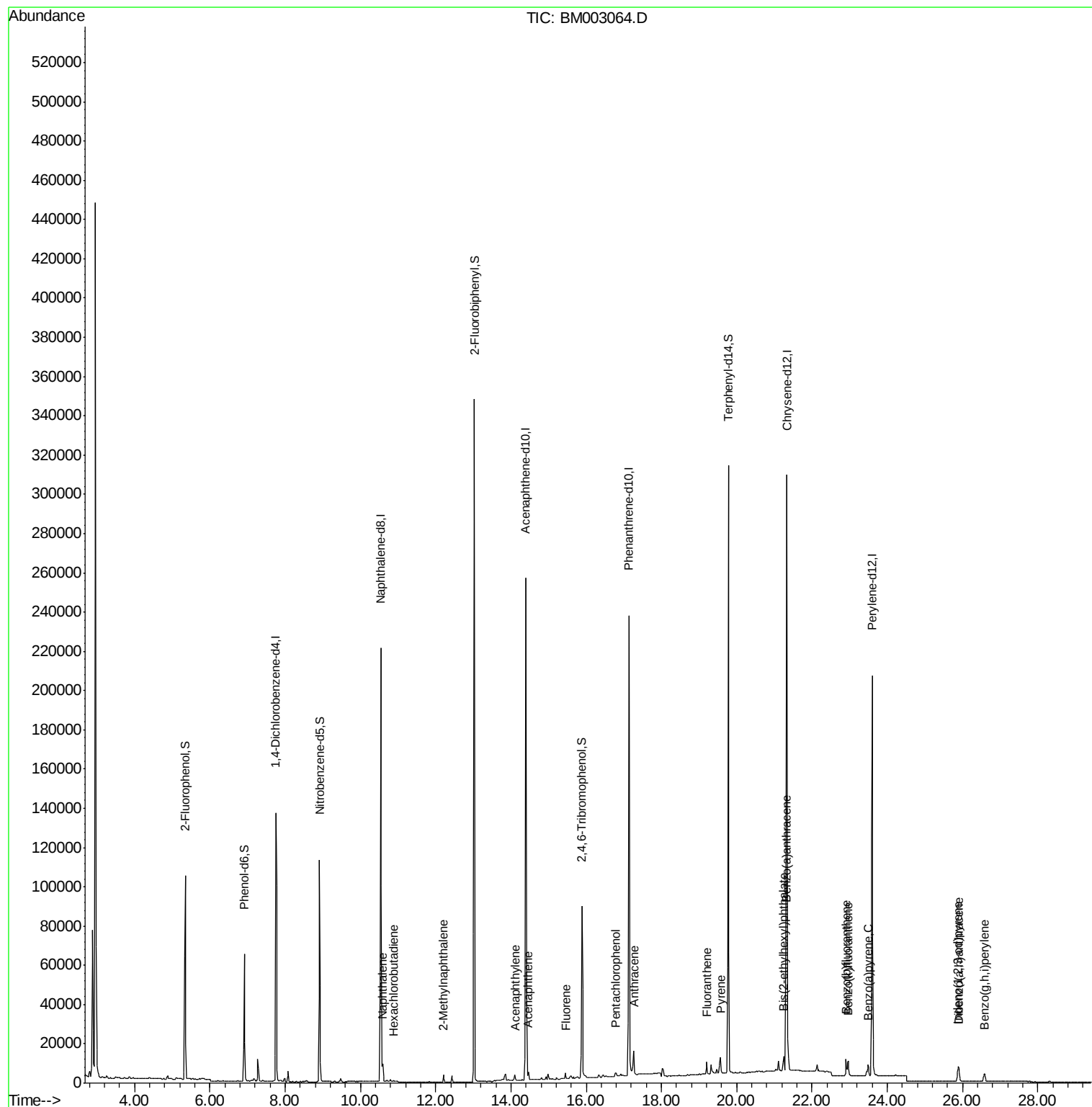
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110515\
Data File : BM003064.D
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Operator : UM/IZ
Sample : G4259-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

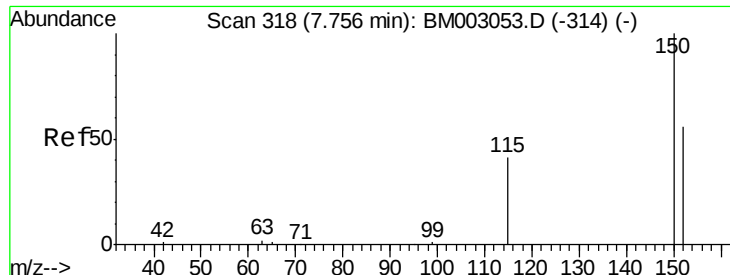
Instrument :
BNA_M
ClientSampleId :
MW-03-110315

Manual Integrations
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Quant Time: Nov 17 12:58:38 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 17 12:50:51 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.76 min Scan# 318

Delta R.T. -0.00 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Instrument :

BNA_M

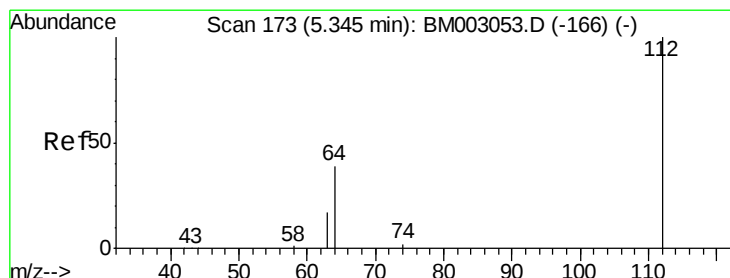
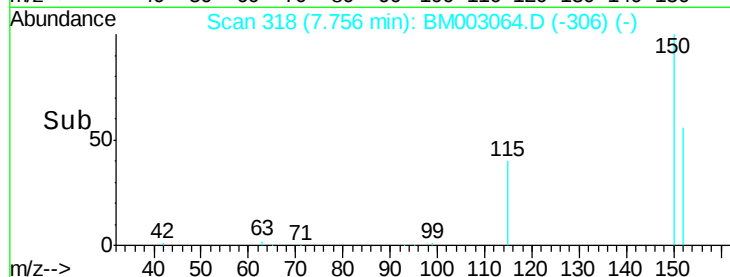
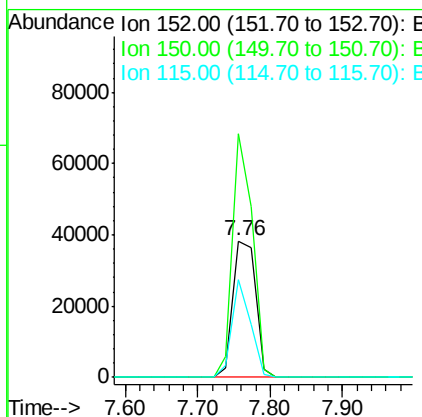
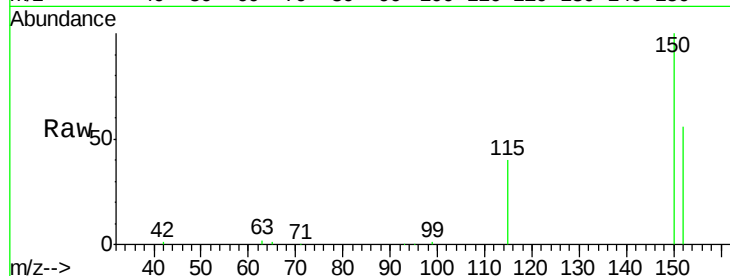
ClientSampleId :

MW-03-110315

Tot Ion:	152	Resp:	81768
Ion	Ratio	Lower	Upper
152	100		
150	178.1	143.6	215.4
115	71.7	58.5	87.7

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#4

2-Fluorophenol

Concen: 5.60 ng

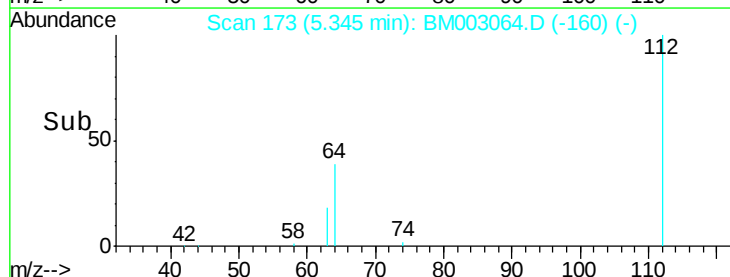
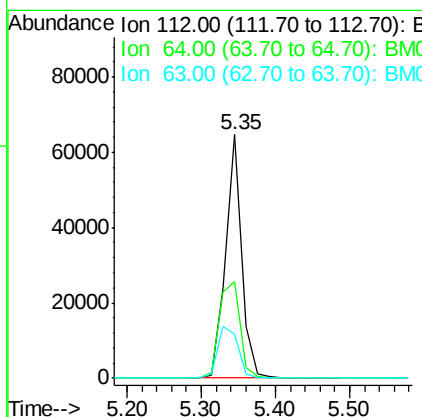
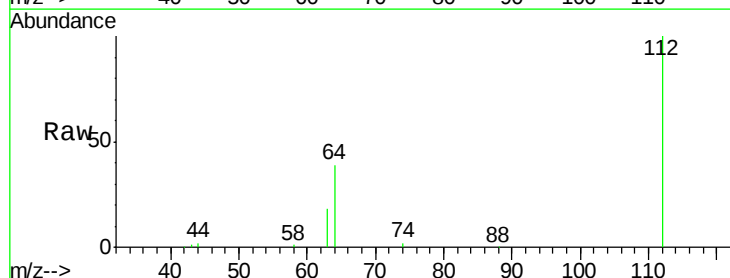
RT: 5.35 min Scan# 173

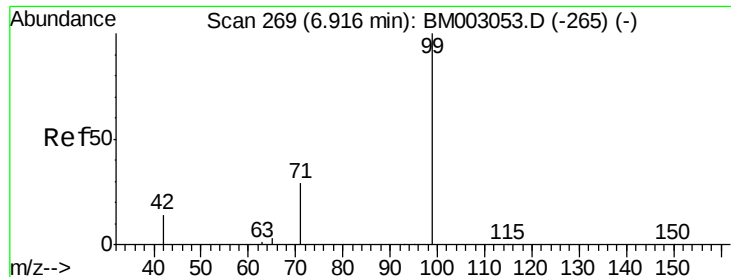
Delta R.T. -0.00 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Tgt Ion:	112	Resp:	96882
Ion	Ratio	Lower	Upper
112	100		
64	50.9	41.2	61.8
63	26.6	21.2	31.8





#5

Phenol-d6

Concen: 3.55 ng

RT: 6.92 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Instrument :

BNA_M

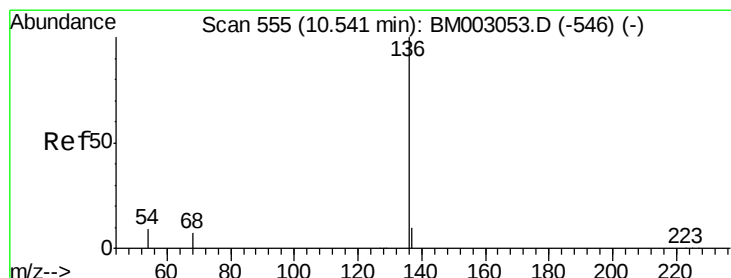
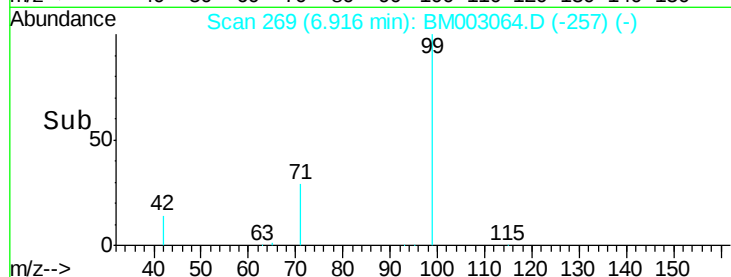
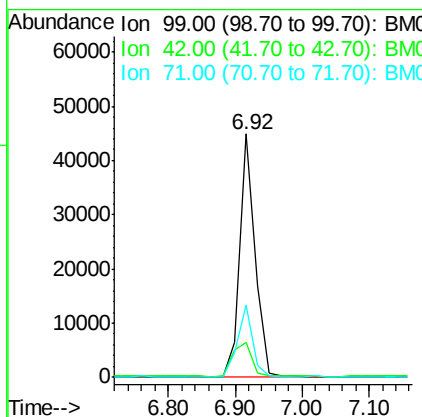
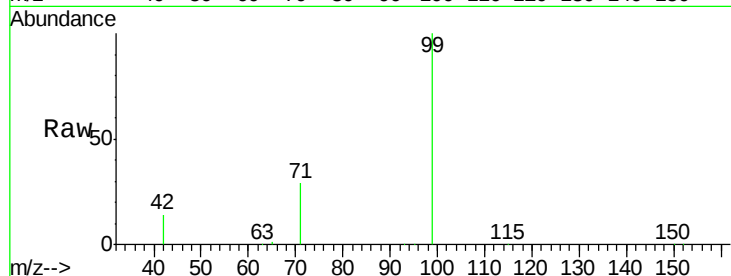
ClientSampleId :

MW-03-110315

Tot Ion:	99	Resp:	71609
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.6	22.0
71	29.0	23.3	34.9

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#7

Naphthalene-d8

Concen: 5.00 ng

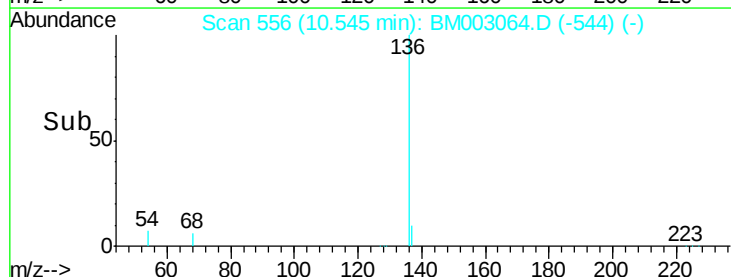
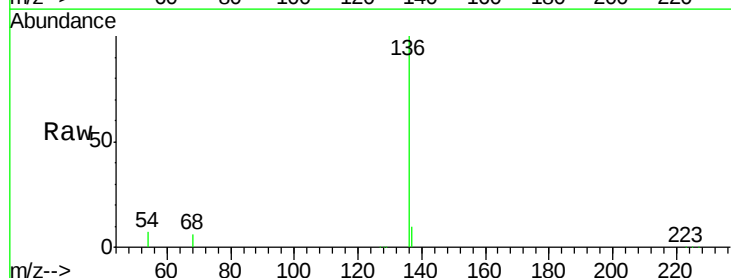
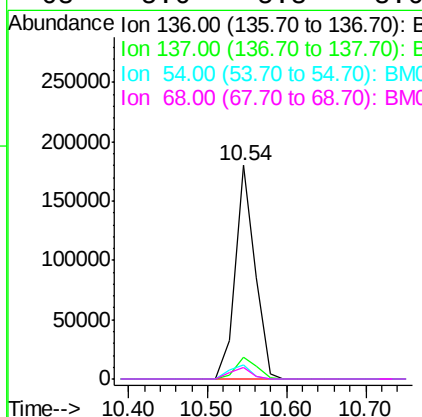
RT: 10.54 min Scan# 556

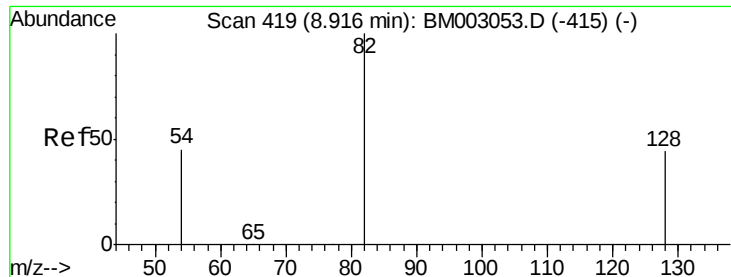
Delta R.T. 0.00 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Tgt Ion:	136	Resp:	312375
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.0	12.0
54	6.8	7.4	11.0#
68	5.6	5.8	8.6#





#8

Nitrobenzene-d5

Concen: 7.32 ng

RT: 8.92 min Scan# 420

Delta R.T. 0.00 min

Lab File: BM003064.D

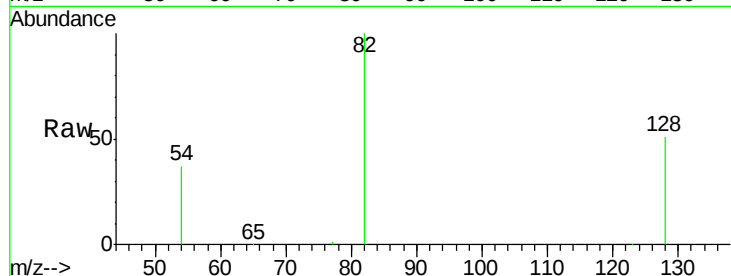
Acq: 05 Nov 2015 15:08

Instrument :

BNA_M

ClientSampleId :

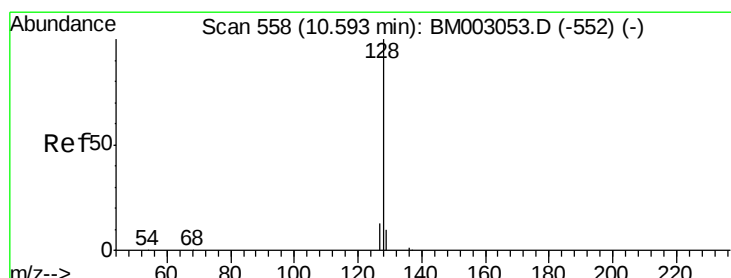
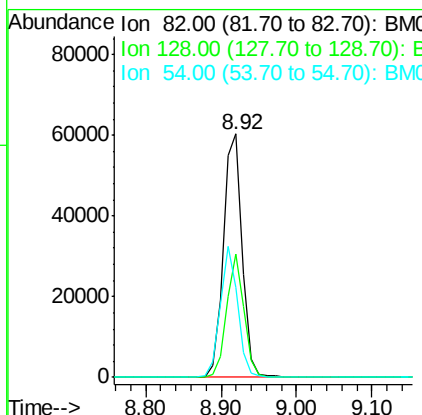
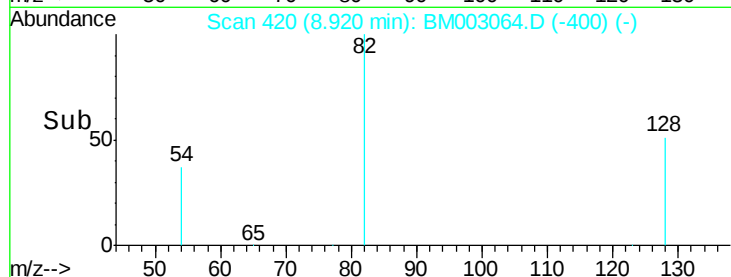
MW-03-110315



Tot Ion:	82	Resp:	105392
Ion Ratio	Lower	Upper	
82	100		
128	50.9	35.2	52.8
54	36.9	36.4	54.6

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#10

Naphthalene

Concen: 0.17 ng

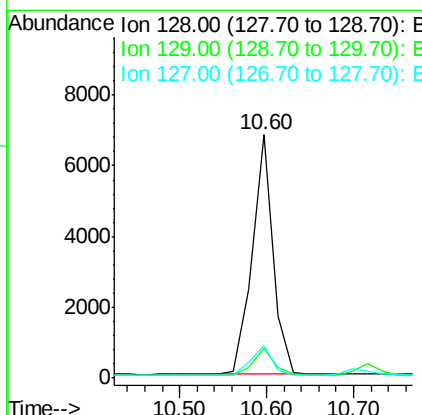
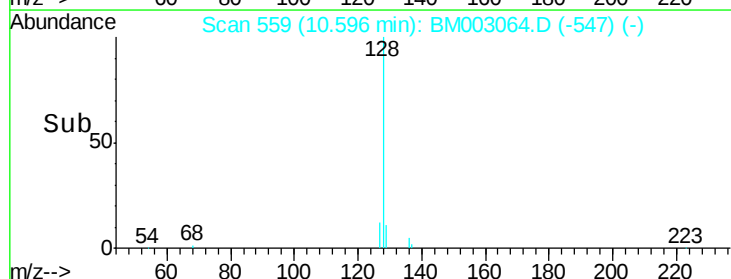
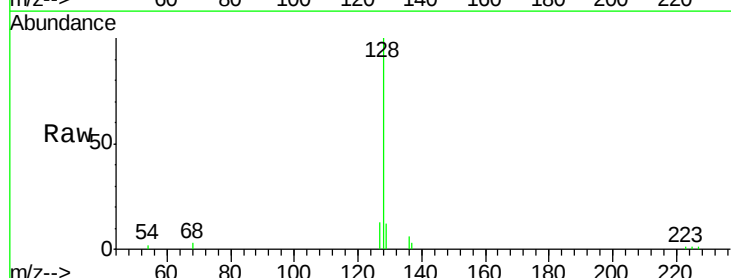
RT: 10.60 min Scan# 559

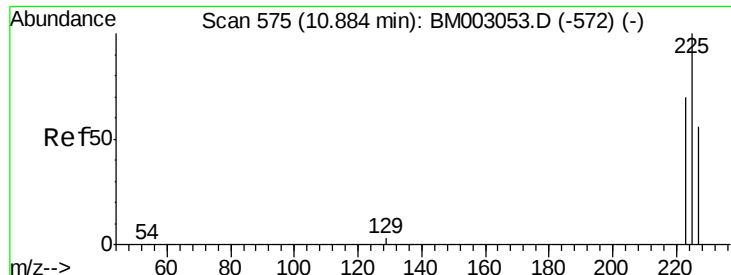
Delta R.T. 0.00 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Tgt Ion:	128	Resp:	11320
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.5	12.7
127	13.2	10.6	16.0





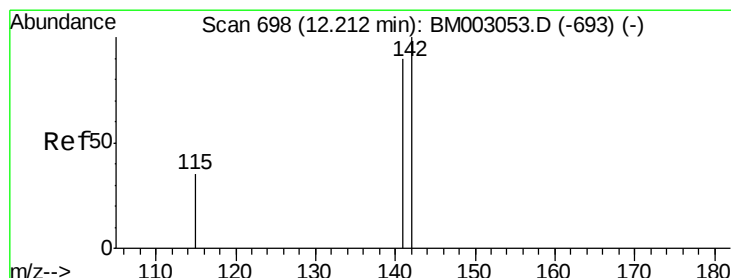
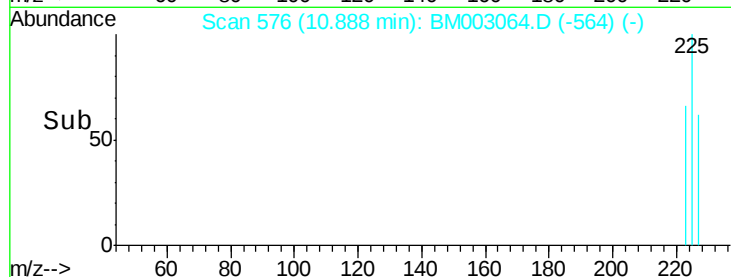
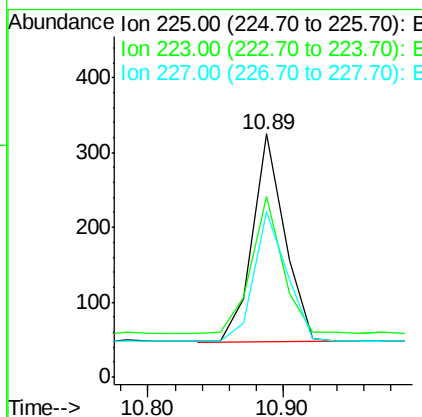
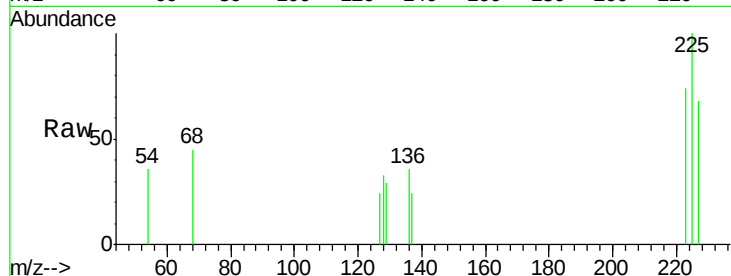
#11
Hexachlorobutadiene
Concen: 0.04 ng m
RT: 10.89 min Scan# 576
Delta R.T. 0.00 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Instrument :
BNA_M
ClientSampleId :
MW-03-110315

Tot Ion	Ratio	Lower	Upper
225	100		
223	174.7	53.0	79.4#
227	141.4	52.2	78.4#

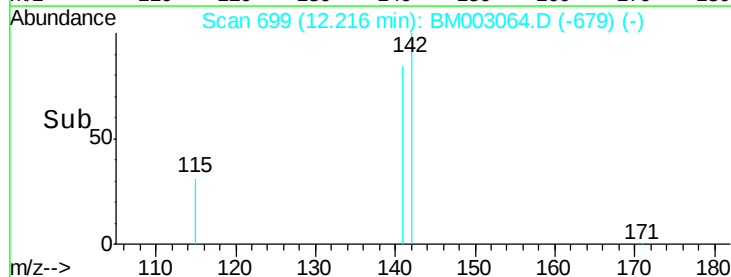
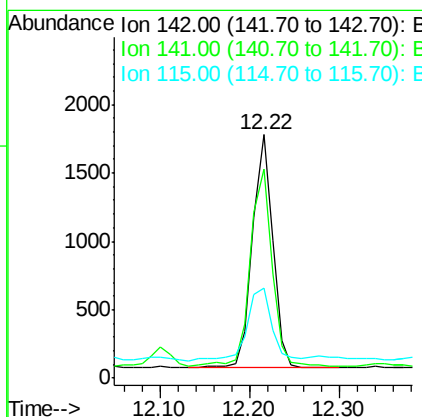
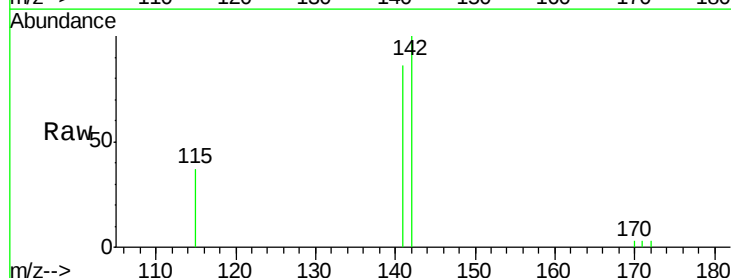
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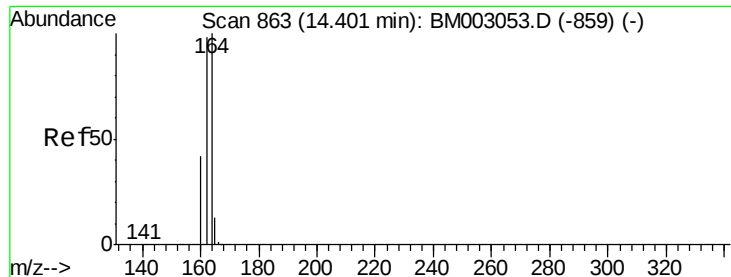
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#12
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.22 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	72.2	108.2
115	36.8	28.0	42.0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.39 min Scan# 863

Delta R.T. -0.01 min

Lab File: BM003064.D

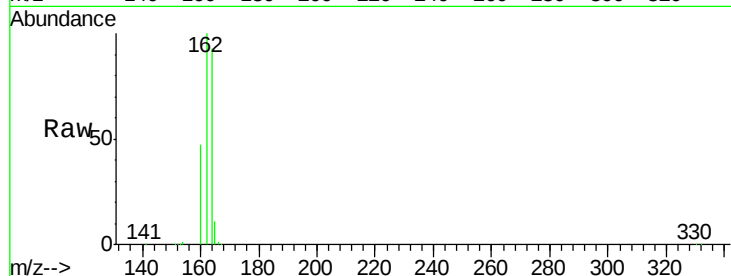
Acq: 05 Nov 2015 15:08

Instrument :

BNA_M

ClientSampled :

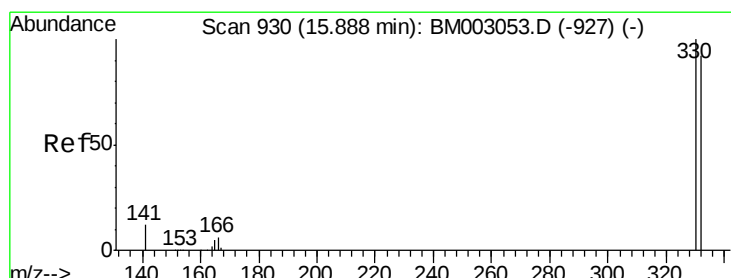
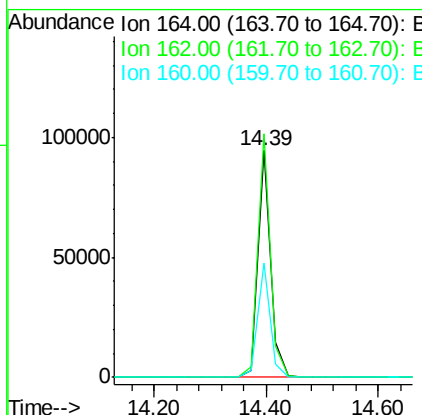
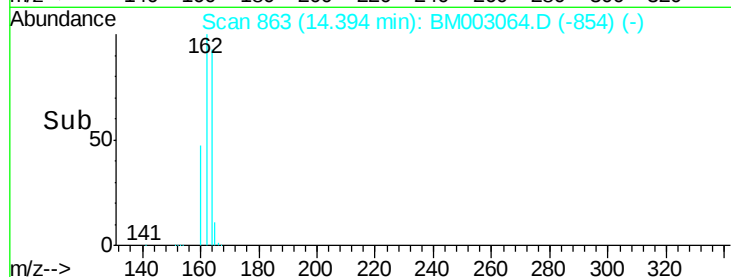
MW-03-110315



Tot Ion:	164	Resp:	150168
Ion	Ratio	Lower	Upper
164	100		
162	107.3	78.3	117.5
160	50.5	33.8	50.6

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 19.47 ng

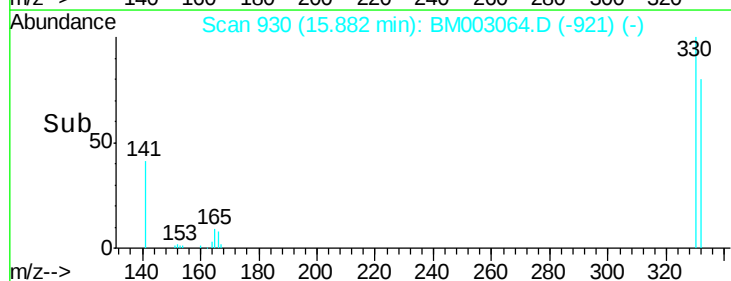
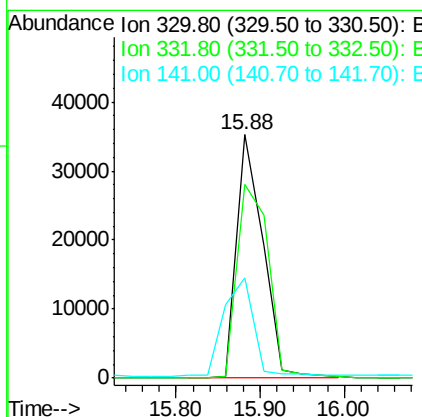
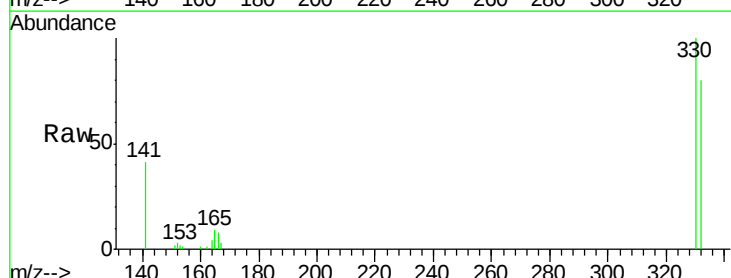
RT: 15.88 min Scan# 930

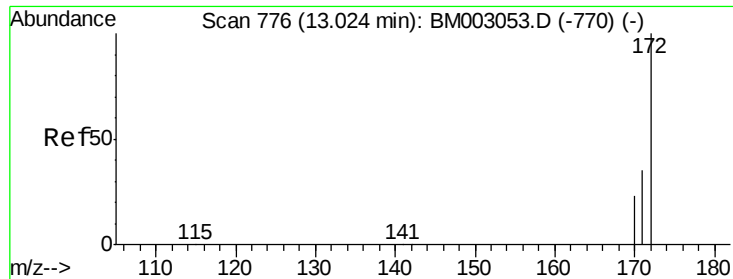
Delta R.T. -0.01 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Tgt Ion:	330	Resp:	75697
Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.0	114.0
141	47.0	0.0	0.0#





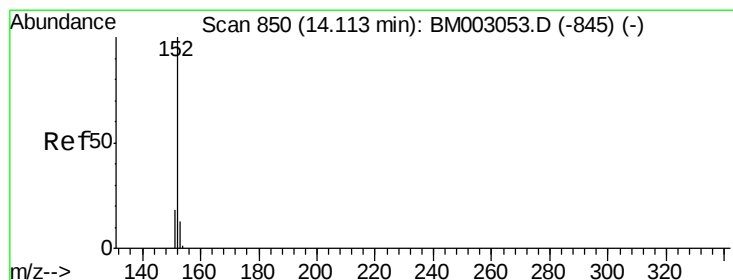
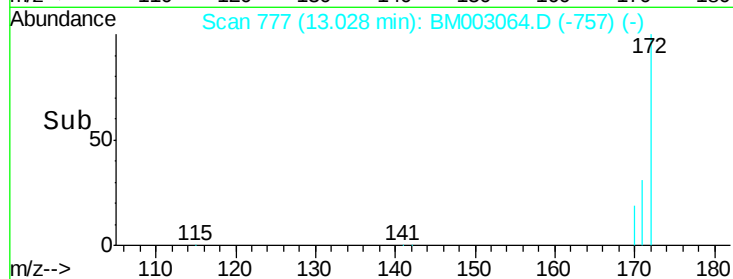
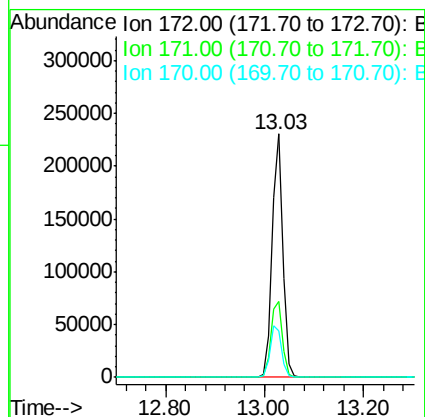
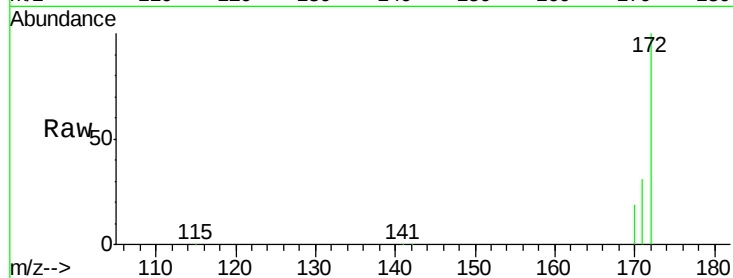
#15
2-Fluorobiphenyl
Concen: 7.31 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Instrument :
BNA_M
ClientSampleId :
MW-03-110315

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.4	28.0	42.0
170	19.3	18.9	28.3

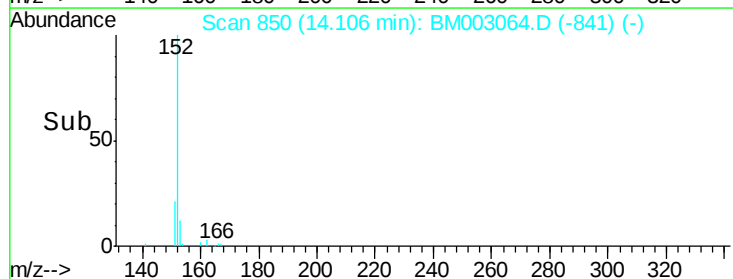
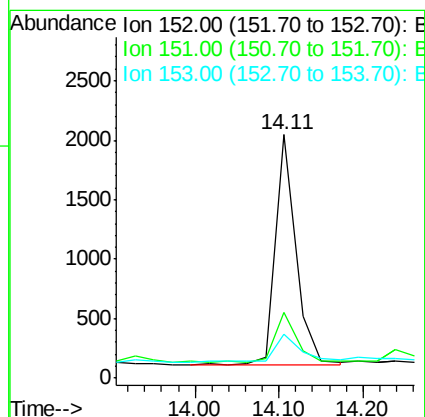
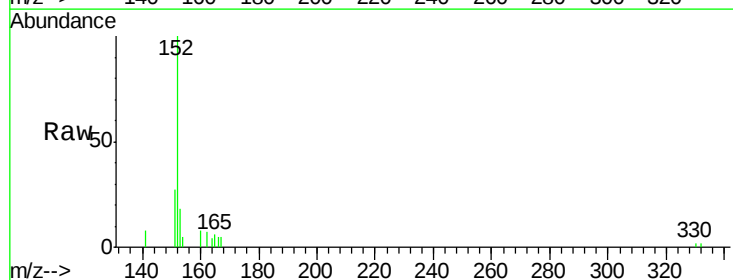
Manual Integrations
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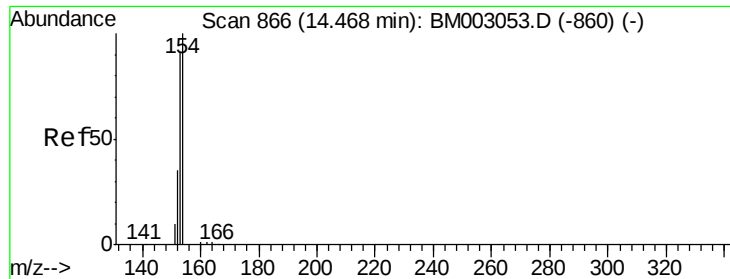
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#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.11 min Scan# 850
Delta R.T. -0.01 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.2	22.8
153	17.0	10.4	15.6





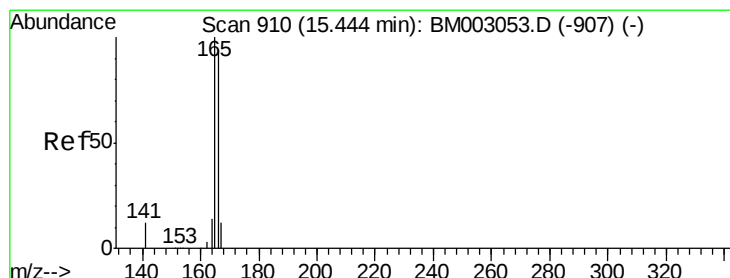
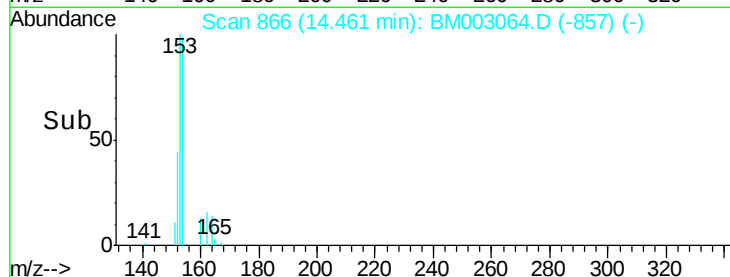
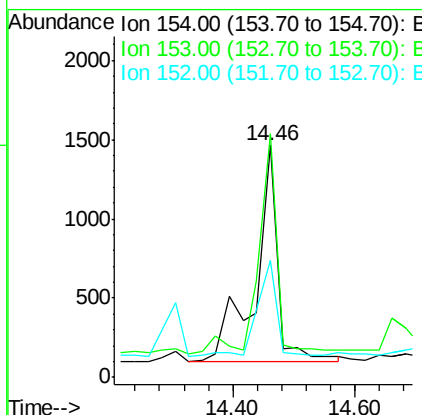
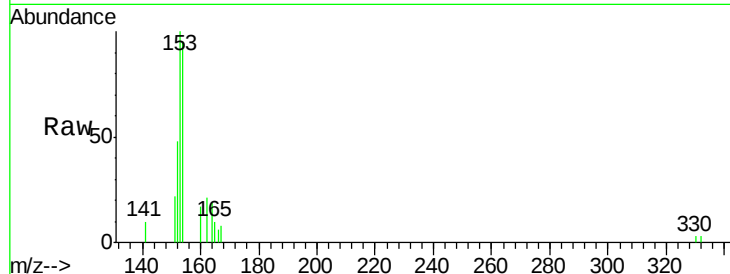
#17
Acenaphthene
Concen: 0.09 ng
RT: 14.46 min Scan# 866
Delta R.T. -0.01 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Instrument :
BNA_M
ClientSampleId :
MW-03-110315

Tot Ion	Ratio	Lower	Upper
154	100		
153	83.0	0.0	0.0#
152	35.8	0.0	0.0#

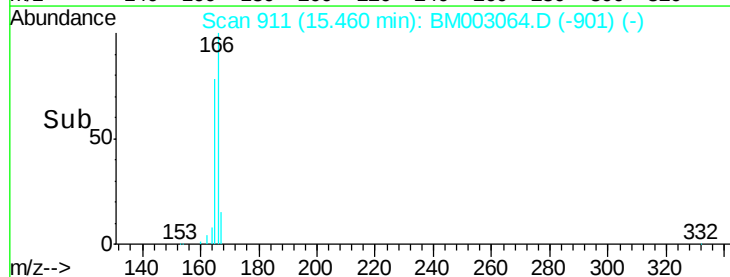
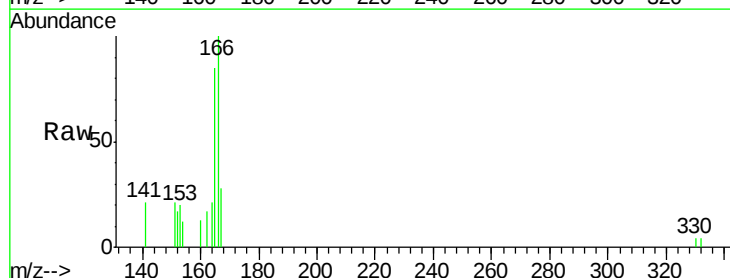
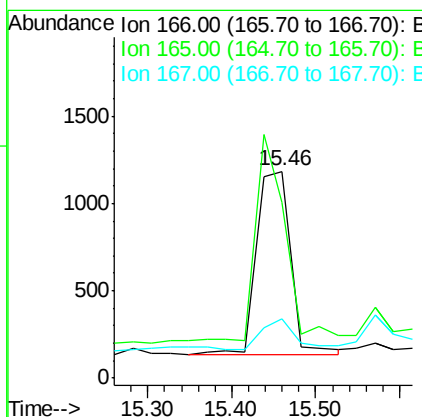
Manual Integrations
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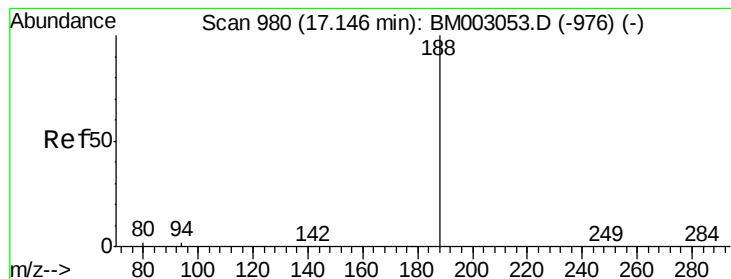
Mmdadoda
11/6/2015 3:46:05 PM



#18
Fluorene
Concen: 0.07 ng
RT: 15.46 min Scan# 911
Delta R.T. 0.02 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	80.8	121.2#
167	17.0	10.5	15.7#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 980

Delta R.T. -0.01 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Instrument :

BNA_M

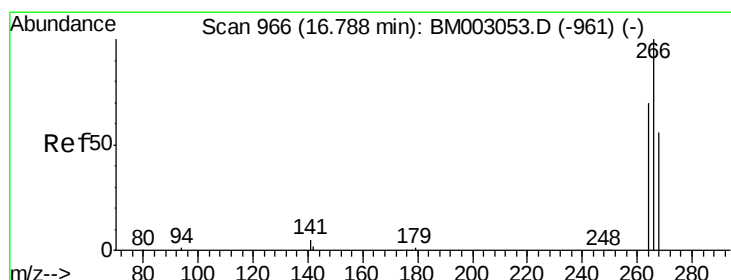
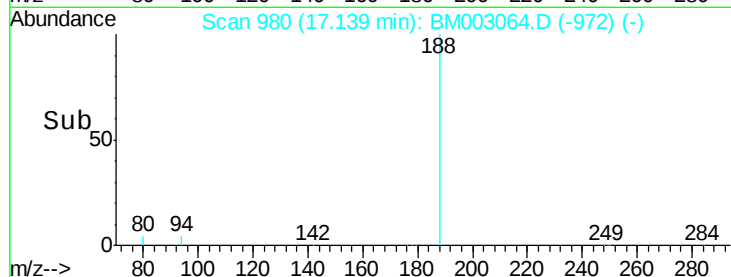
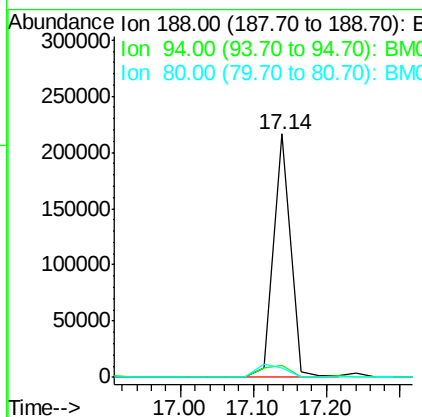
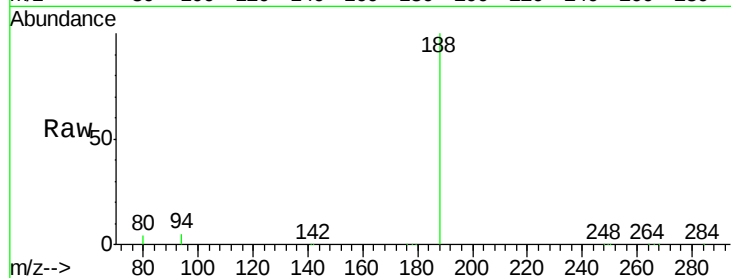
ClientSampleId :

MW-03-110315

Tot Ion:	188	Resp:	354099
Ion Ratio	Lower	Upper	
188	100		
94	4.7	1.8	2.6#
80	3.9	1.4	2.0#

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#22

Pentachlorophenol

Concen: 0.64 ng

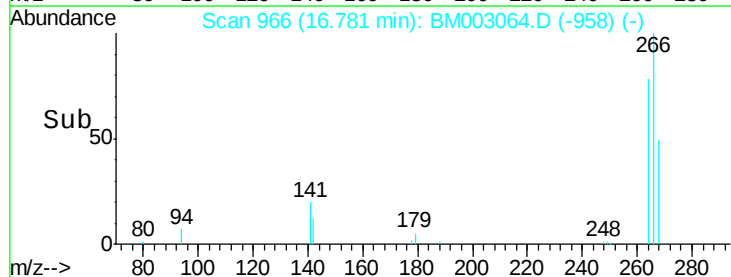
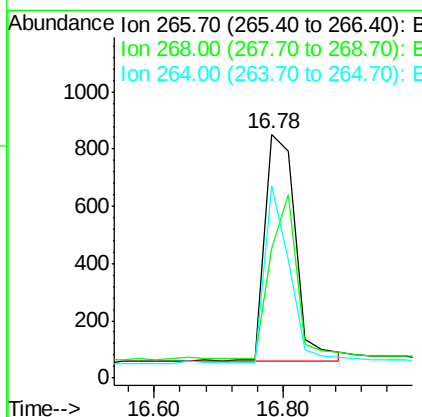
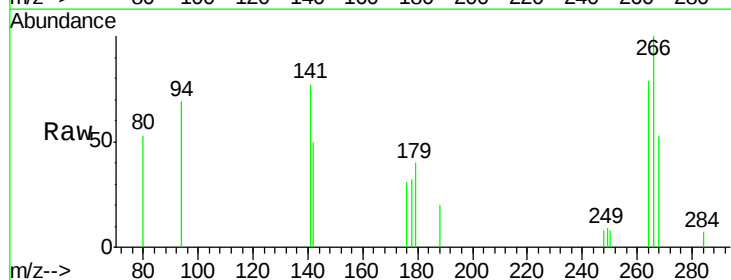
RT: 16.78 min Scan# 966

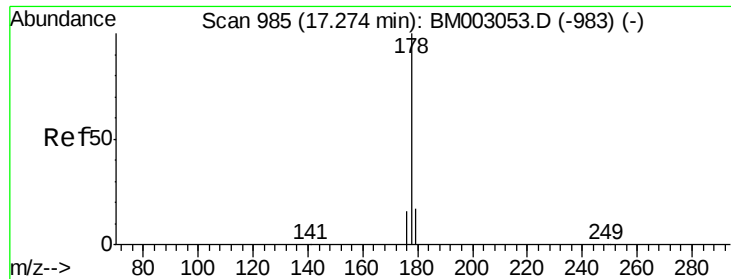
Delta R.T. -0.01 min

Lab File: BM003064.D

Acq: 05 Nov 2015 15:08

Tgt Ion:	266	Resp:	2596
Ion Ratio	Lower	Upper	
266	100		
268	53.0	45.8	68.8
264	79.0	56.7	85.1





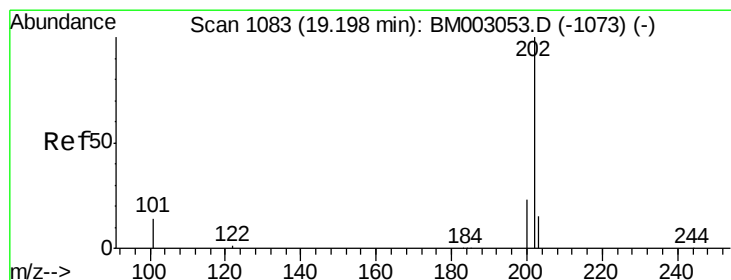
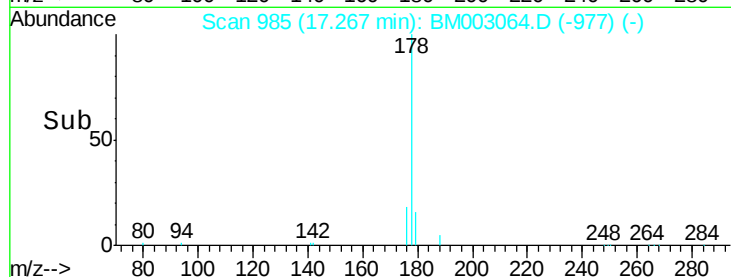
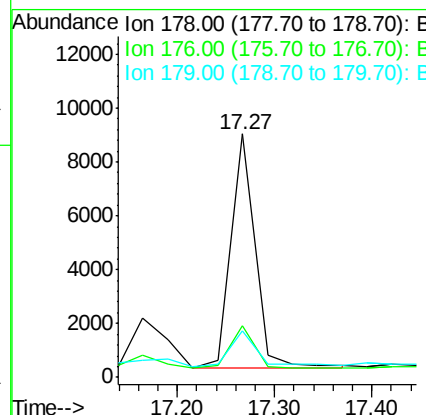
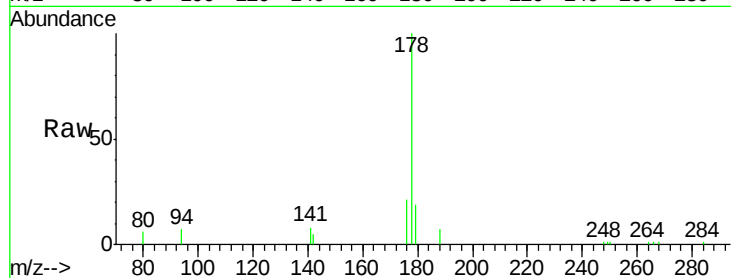
#24
 Anthracene
 Concen: 0.20 ng
 RT: 17.27 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Instrument :
 BNA_M
 ClientSampleId :
 MW-03-110315

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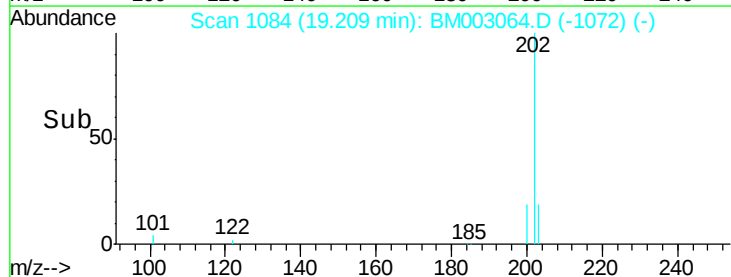
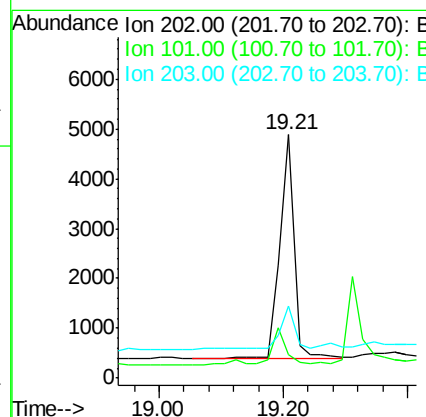
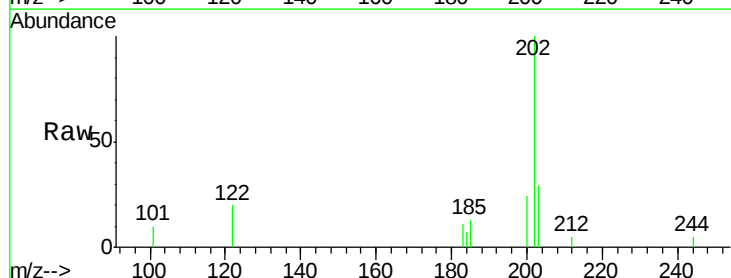
Mmdadoda
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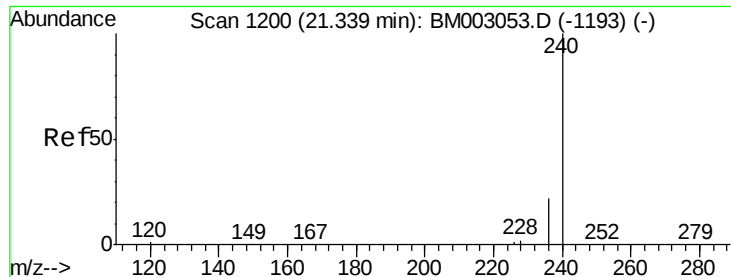
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.1	21.1
179	15.9	12.8	19.2



#25
 Fluoranthene
 Concen: 0.04 ng
 RT: 19.21 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	9.9	14.9
203	17.4	13.9	20.9





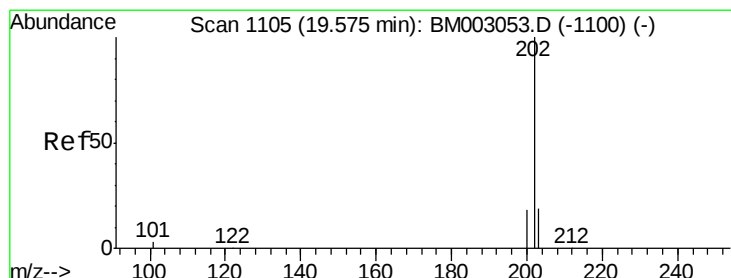
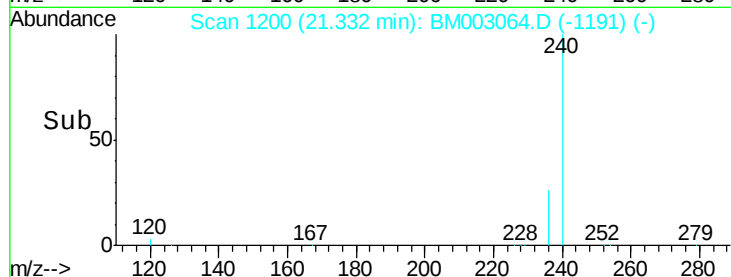
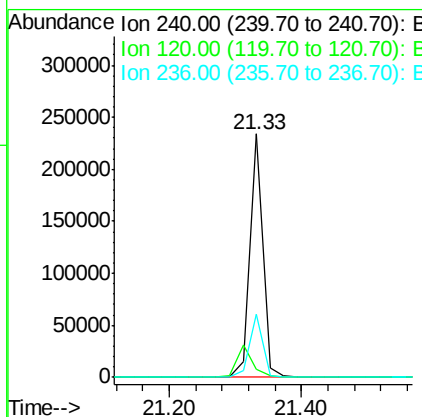
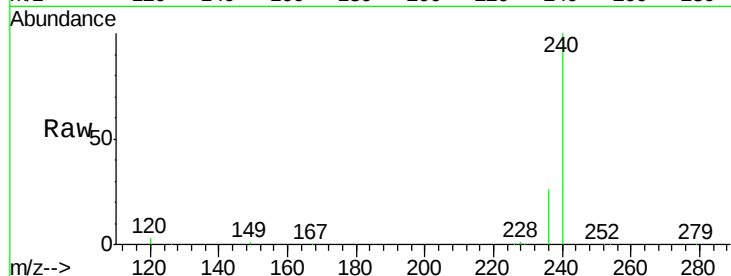
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Instrument :
BNA_M
ClientSampleId :
MW-03-110315

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	3.4	1.0	1.4#		
236	26.1	17.9	26.9		

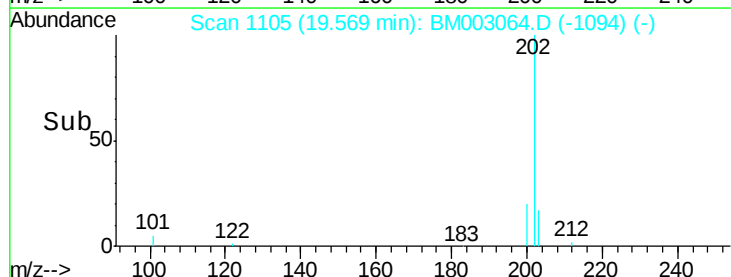
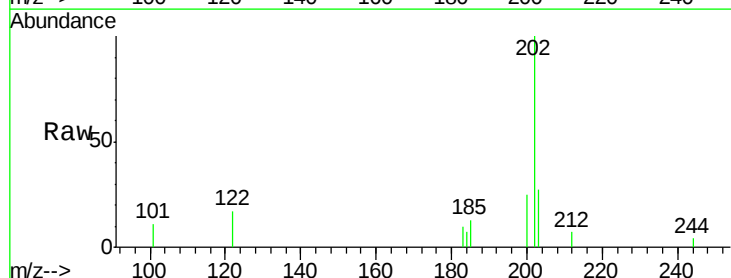
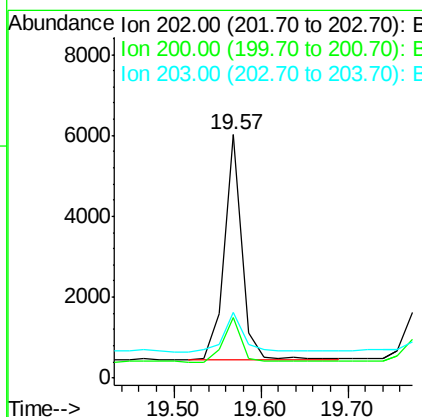
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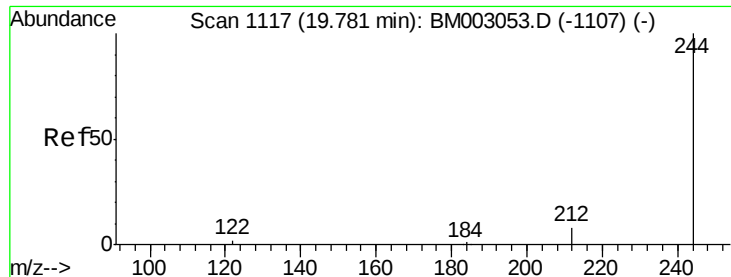
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#28
Pyrene
Concen: 0.08 ng
RT: 19.57 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.5	16.7	25.1		
203	18.8	13.8	20.6		





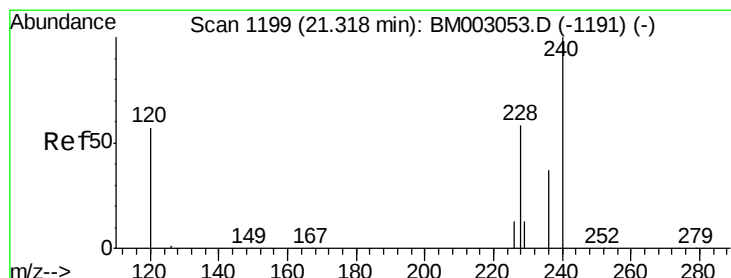
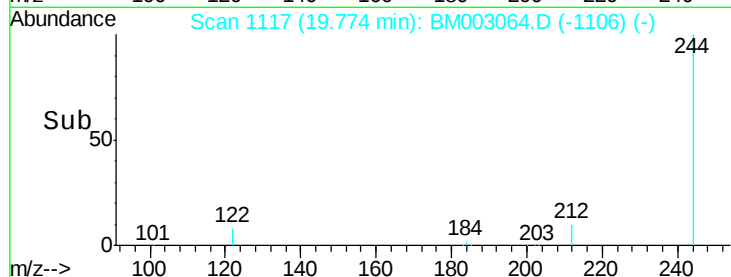
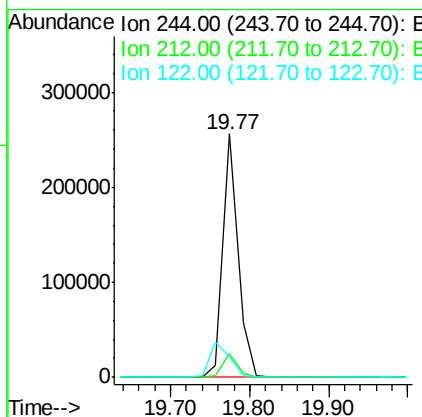
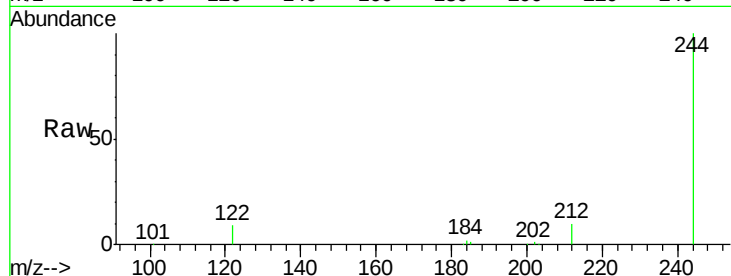
#29
 Terphenyl-d14
 Concen: 7.34 ng
 RT: 19.77 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Instrument :
 BNA_M
 ClientSampleId :
 MW-03-110315

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.5	9.7
122	8.8	2.0	3.0

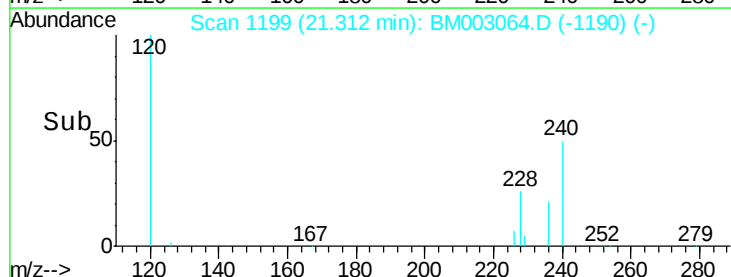
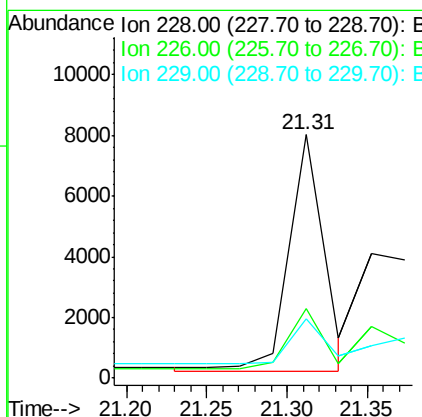
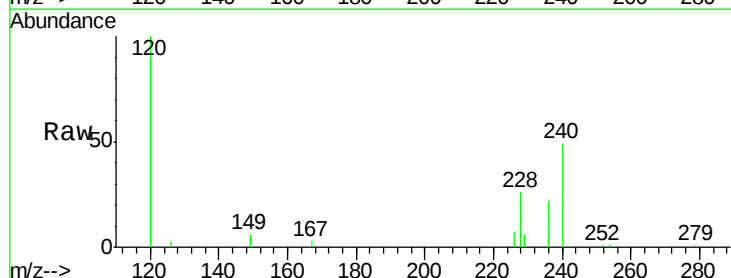
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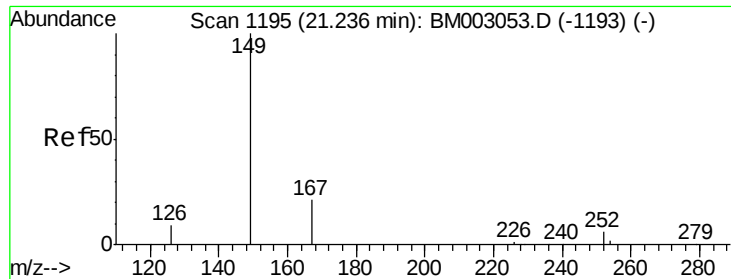
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 11/6/2015 3:46:05 PM



#30
 Benzo(a)anthracene
 Concen: 0.18 ng m
 RT: 21.31 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	17.8	26.6
229	24.2	18.0	27.0





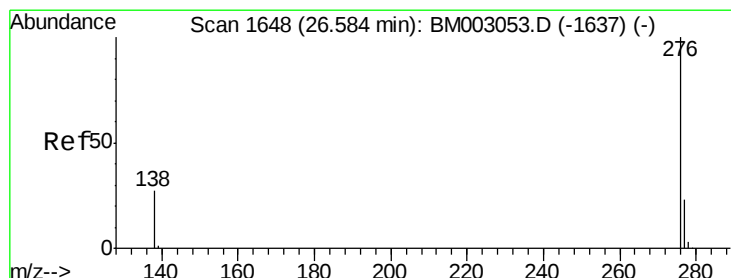
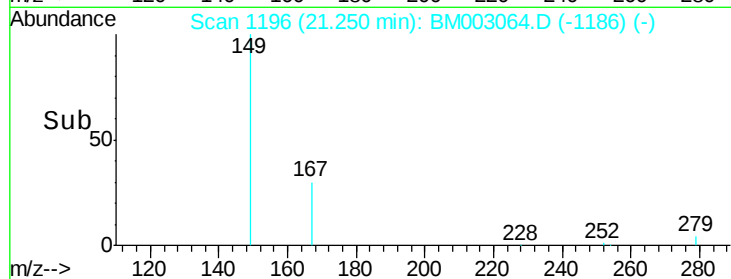
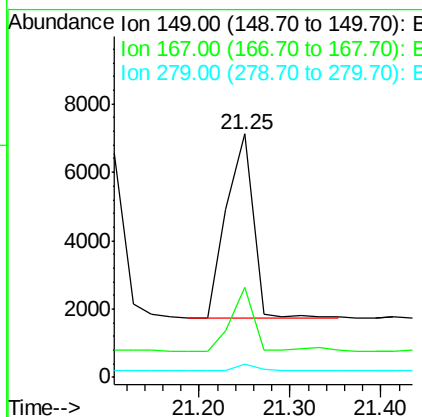
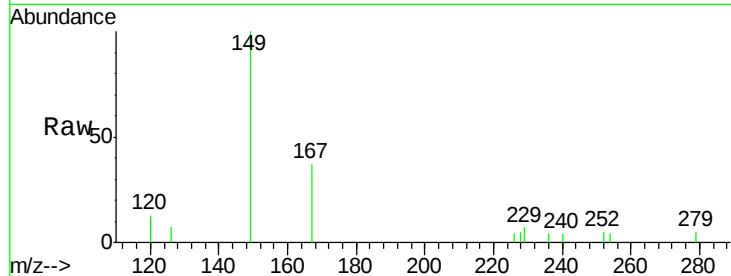
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.49 ng
 RT: 21.25 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Instrument :
 BNA_M
 ClientSampleId :
 MW-03-110315

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.3	19.6	29.4
279	4.2	0.0	0.0

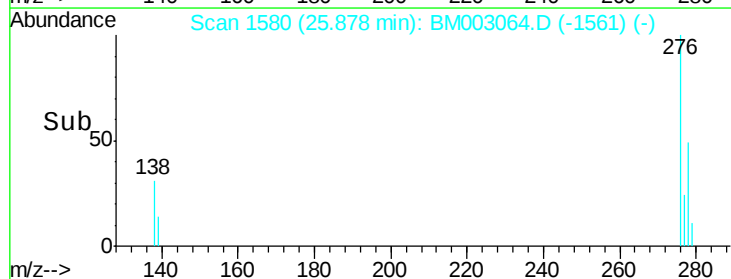
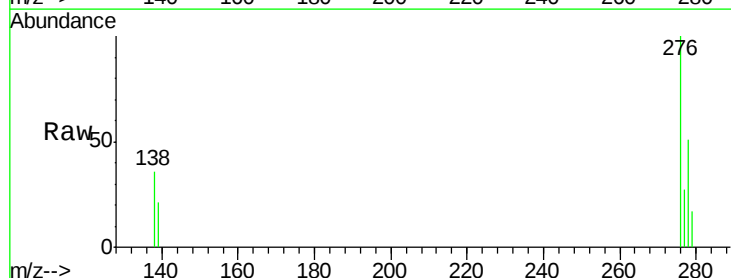
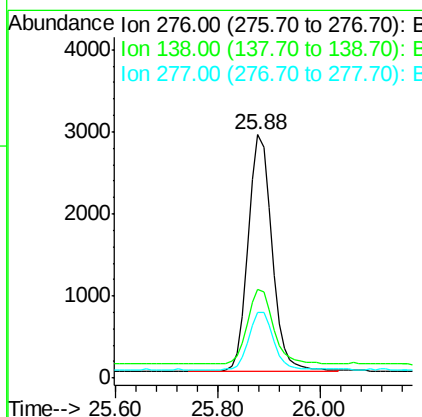
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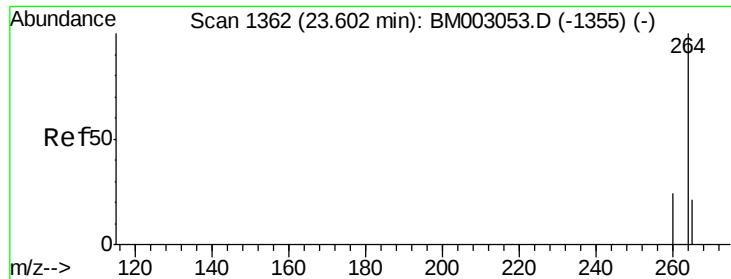
Mmdadoda
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#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.17 ng
 RT: 25.88 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	19.1	28.7
277	25.2	15.9	23.9





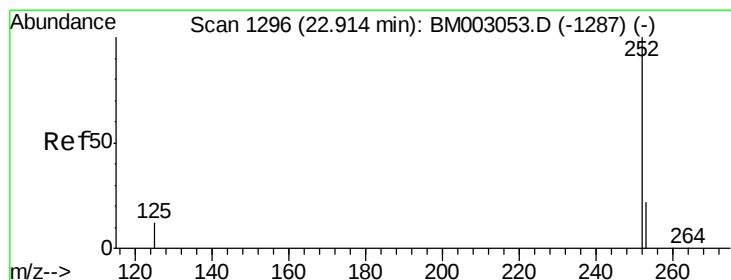
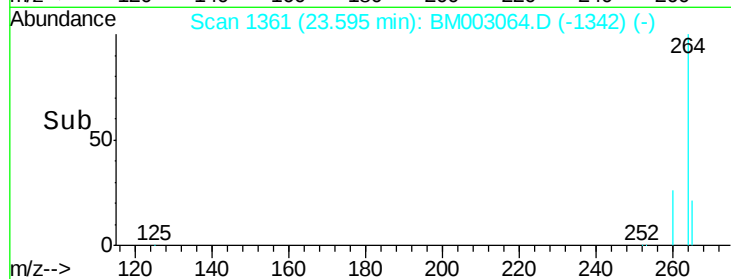
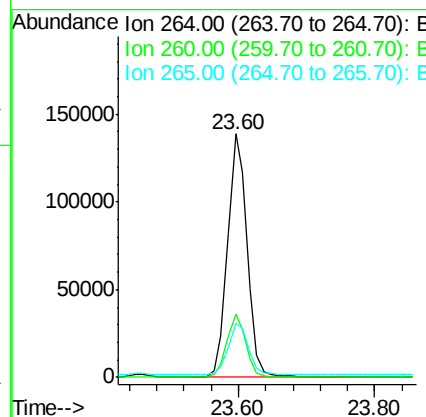
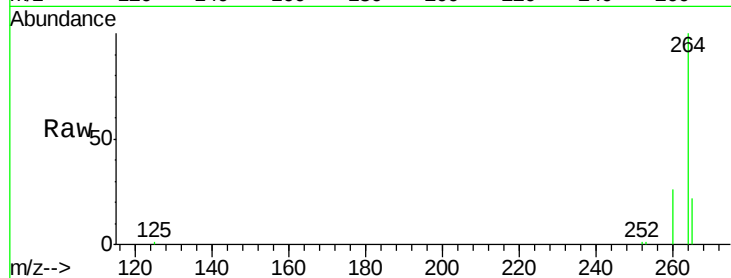
#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.60 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Instrument :
 BNA_M
 ClientSampleId :
 MW-03-110315

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.6	29.4
265	22.1	18.4	27.6

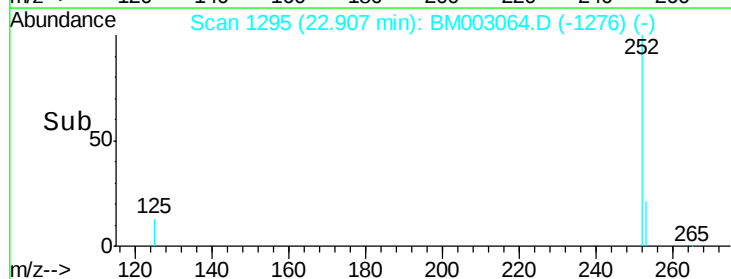
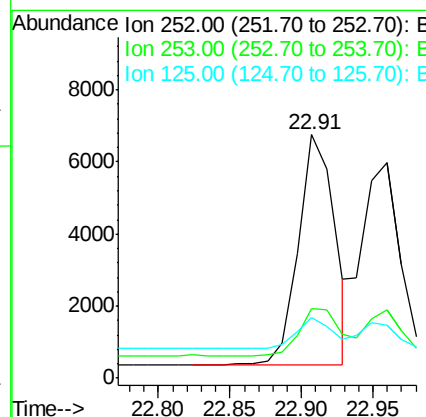
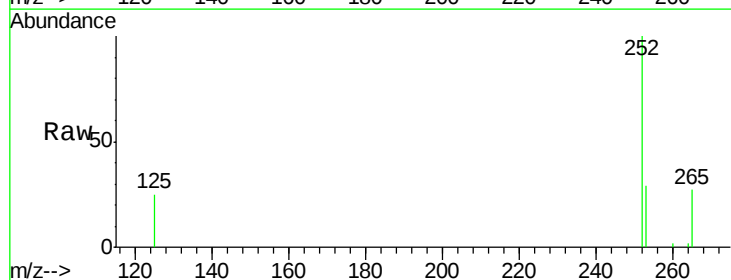
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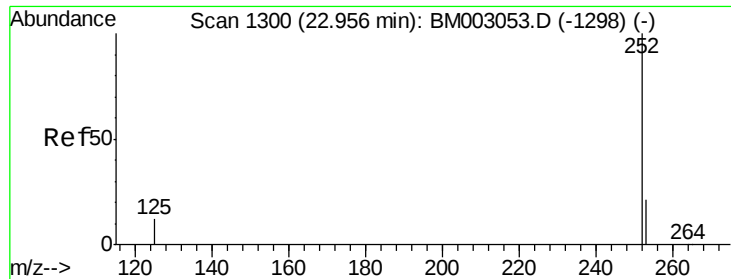
Mmdadoda
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#36
 Benzo(b)fluoranthene
 Concen: 0.10 ng
 RT: 22.91 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BM003064.D
 Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.2	27.4#
125	24.8	10.3	15.5#





#37

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 22.96 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BM003064.D

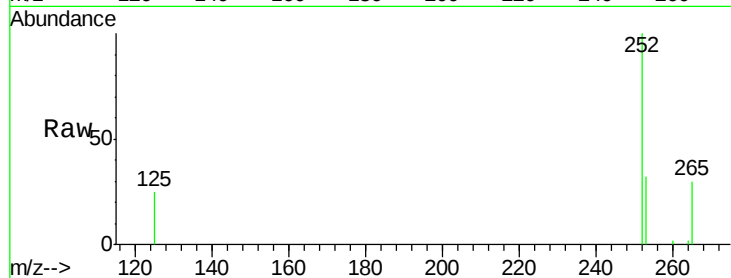
Acq: 05 Nov 2015 15:08

Instrument :

BNA_M

ClientSampleId :

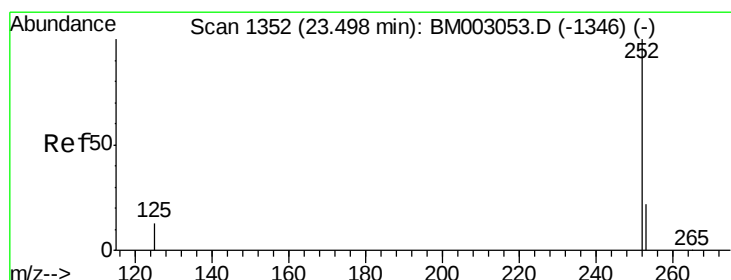
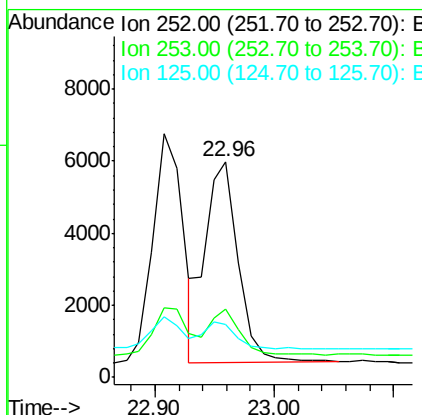
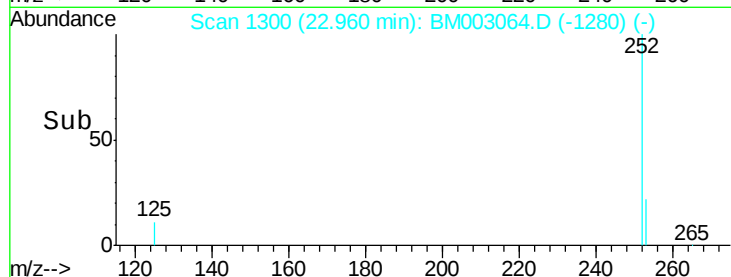
MW-03-110315



Tot Ion	Ratio	Lower	Upper
252	100		
253	31.5	17.5	26.3#
125	24.6	10.7	16.1#

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#38

Benzo(a)pyrene

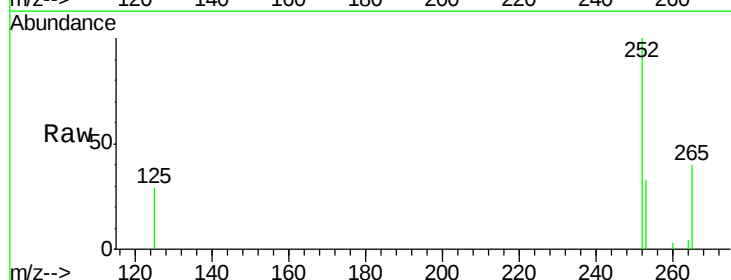
Concen: 0.12 ng

RT: 23.49 min Scan# 1351

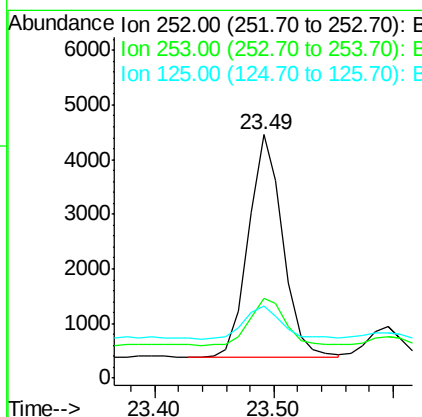
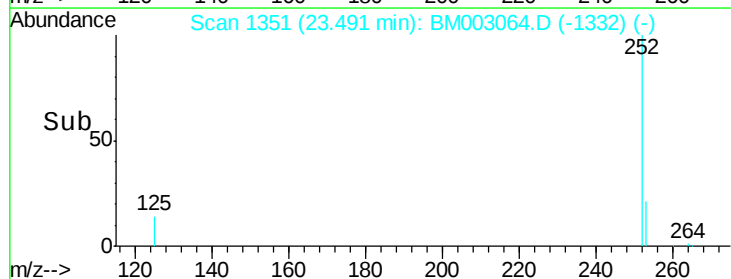
Delta R.T. -0.01 min

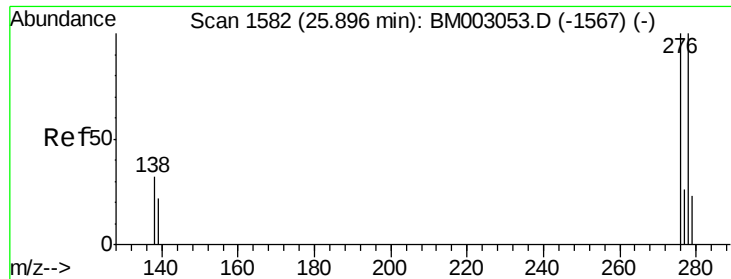
Lab File: BM003064.D

Acq: 05 Nov 2015 15:08



Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.7	28.1#
125	29.4	11.6	17.4#





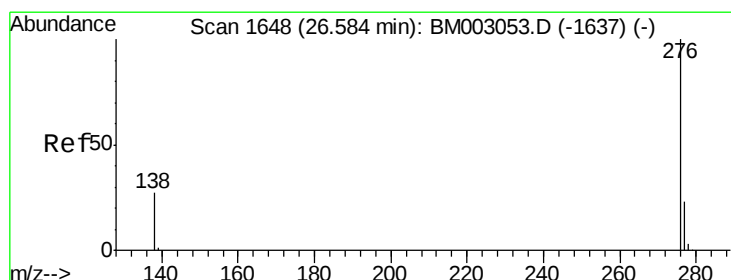
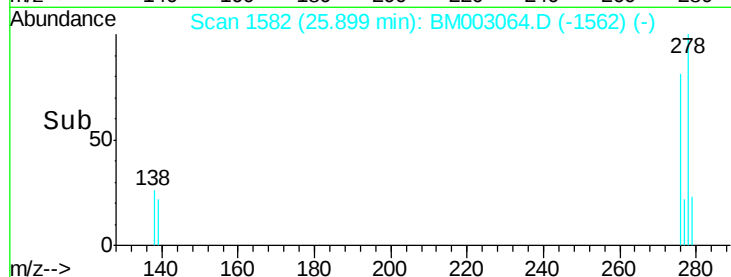
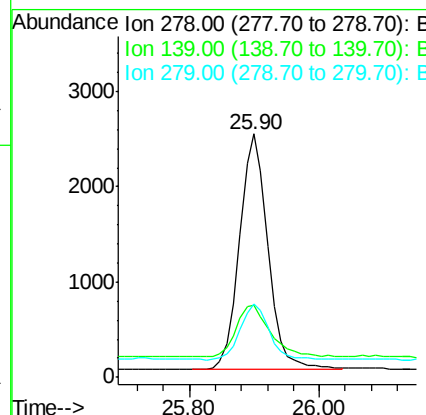
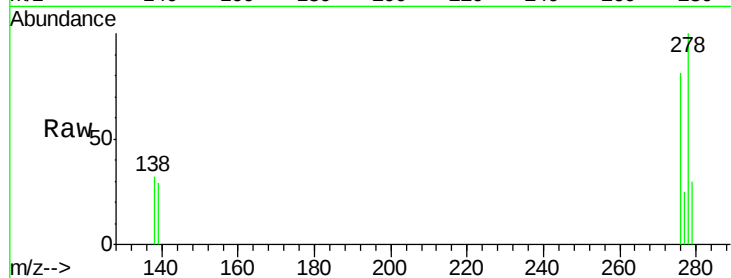
#39
Dibenzo(a,h)anthracene
Concen: 0.11 ng
RT: 25.90 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Instrument :
BNA_M
ClientSampleId :
MW-03-110315

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.5	18.2	27.4#
279	30.2	18.8	28.2#

Manual Integrations
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11/6/2015 3:46:05 PM



#40
Benzo(g,h,i)perylene
Concen: 0.12 ng
RT: 26.58 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BM003064.D
Acq: 05 Nov 2015 15:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.0	28.6
138	33.8	22.3	33.5#

