

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031117\
 Data File : BM009208.D
 Acq On : 11 Mar 2017 15:19
 Operator : SJ/MA
 Sample : I2107-06DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ5DL

Manual Integrations
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 3/13/2017 5:13:31 PM

Quant Time: Mar 13 11:54:13 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 11:21:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	250	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	780	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	440	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	989	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1081	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1085	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	36	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	95	0.03	ng/ul	0.00
Target Compounds						
						Qvalue
3) Naphthalene	10.73	128	266	0.12	ng/ul#	58
5) 2-Methylnaphthalene	12.34	142	215	0.13	ng/ul	100
7) Acenaphthylene	14.23	152	120	0.05	ng/ul#	22
9) Fluorene	15.56	166	59	0.03	ng/ul#	65
12) Phenanthrene	17.30	178	1115	0.36	ng/ul	91
13) Anthracene	17.40	178	265	0.09	ng/ul#	58
15) Fluoranthene	19.33	202	3209	0.79	ng/ul	92
17) Pyrene	19.69	202	3008	0.81	ng/ul	94
18) Benzo(a)anthracene	21.42	228	1847	0.51	ng/ul	94
19) Chrysene	21.47	228	1911m	0.56	ng/ul	
21) Benzo(b)fluoranthene	23.07	252	3161m	0.74	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	904m	0.24	ng/ul	
23) Benzo(a)pyrene	23.67	252	1843	0.48	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	26.15	276	1400	0.29	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.16	278	357	0.09	ng/ul#	40
26) Benzo(g,h,i)perylene	26.88	276	1264	0.30	ng/ul#	91

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

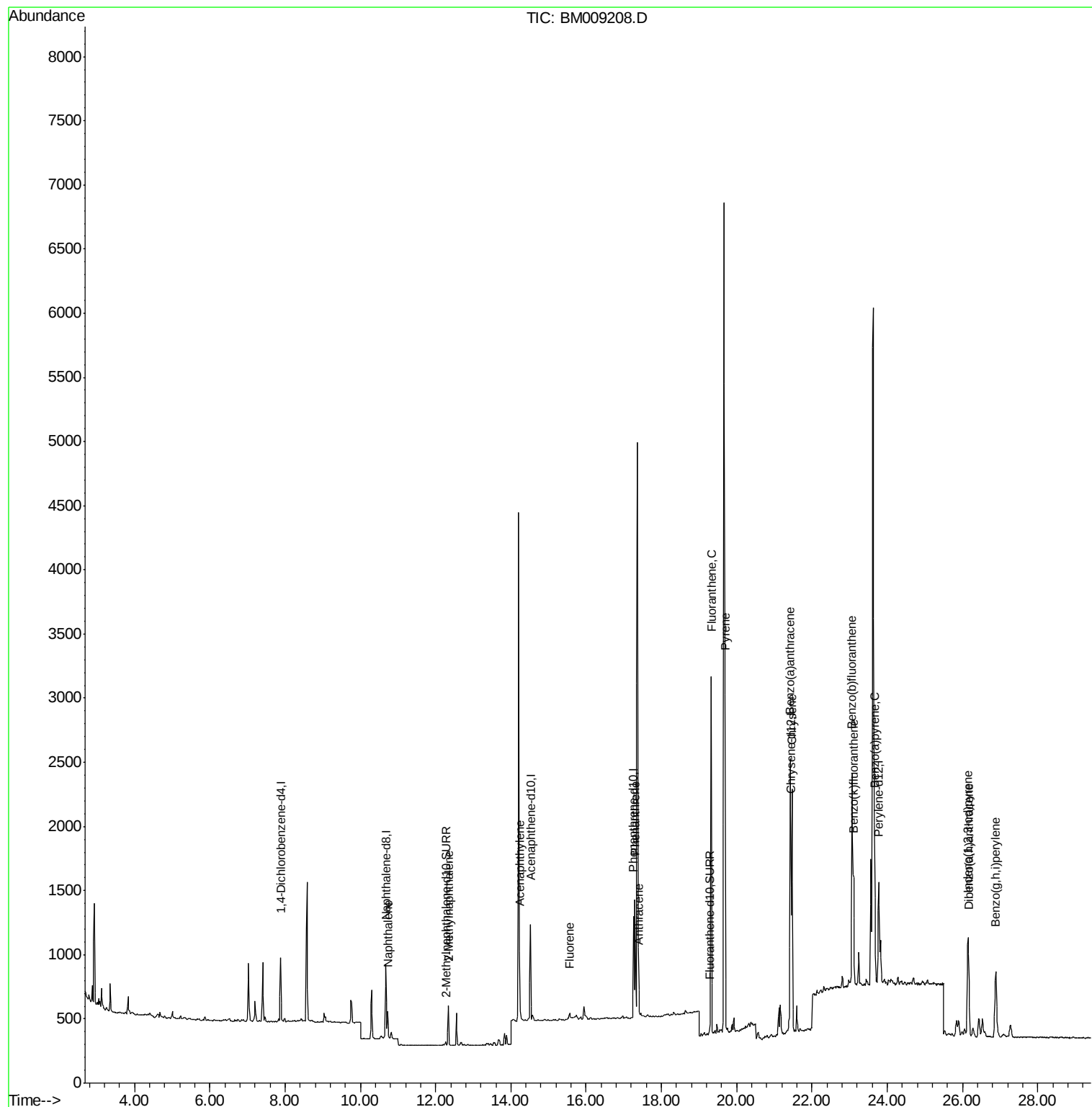
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031117\
Data File : BM009208.D
Acq On : 11 Mar 2017 15:19
Operator : SJ/MA
Sample : I2107-06DL 10X
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ALS Vial : 8 Sample Multiplier: 1

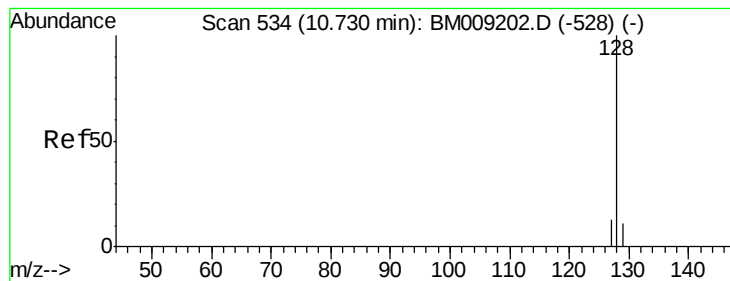
Instrument :
BNA_M
ClientSampleId :
C0AJ5DL

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Quant Time: Mar 13 11:54:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Instrument :

BNA_M

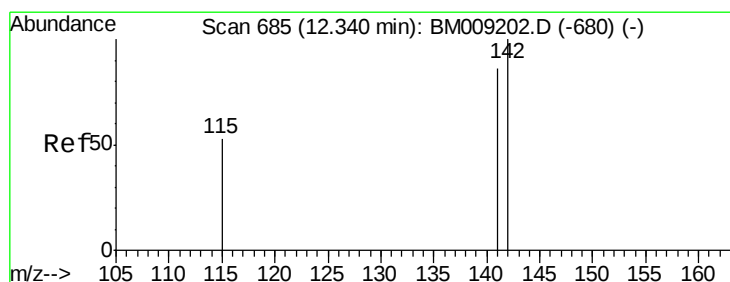
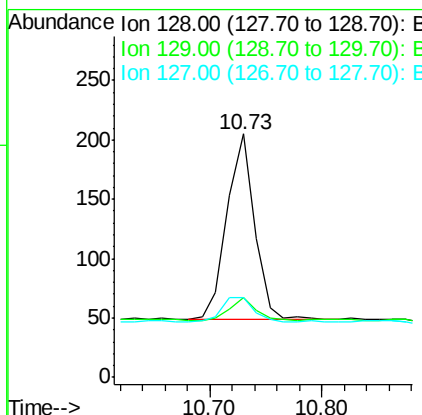
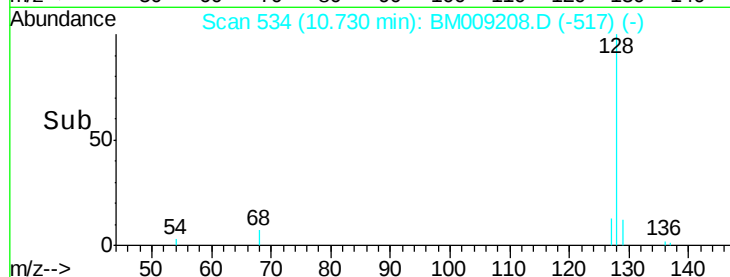
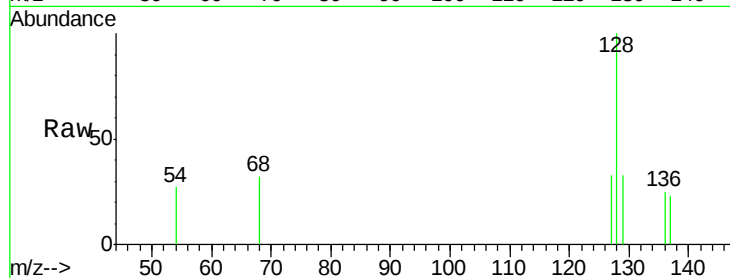
ClientSampleId :

C0AJ5DL

Tgt Ion:	128	Resp:	266
Ion Ratio	Lower	Upper	
128	100		
129	32.7	11.3	16.9#
127	32.7	12.8	19.2#

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#5

2-Methylnaphthalene

Concen: 0.13 ng/ul

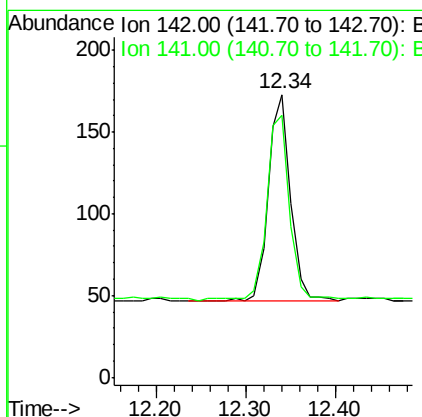
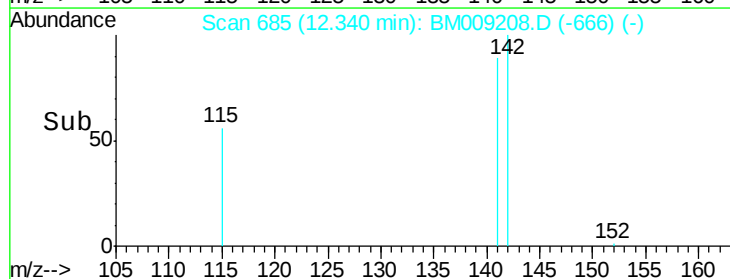
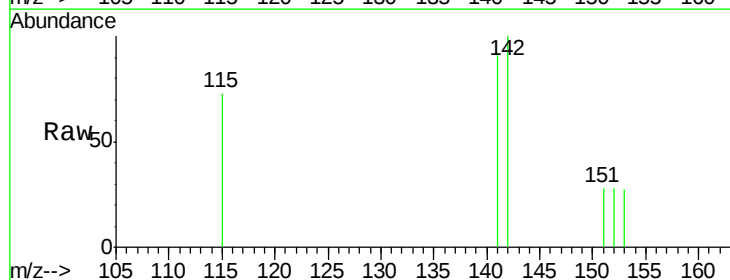
RT: 12.34 min Scan# 685

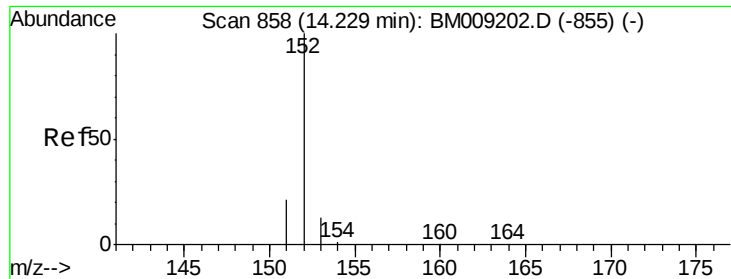
Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Tgt Ion:	142	Resp:	215
Ion Ratio	Lower	Upper	
142	100		
141	90.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Instrument :

BNA_M

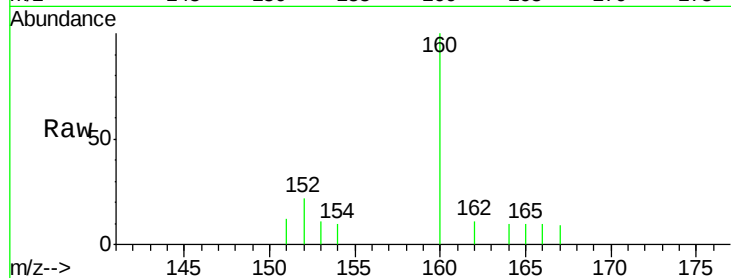
ClientSampleId :

C0AJ5DL

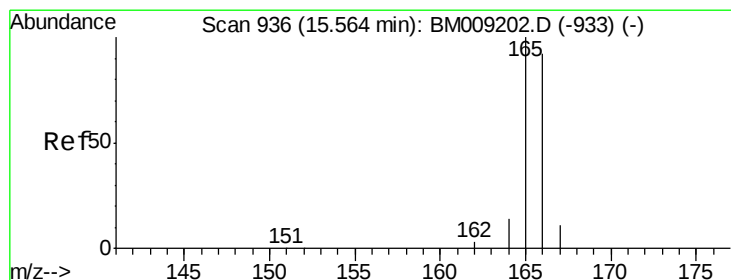
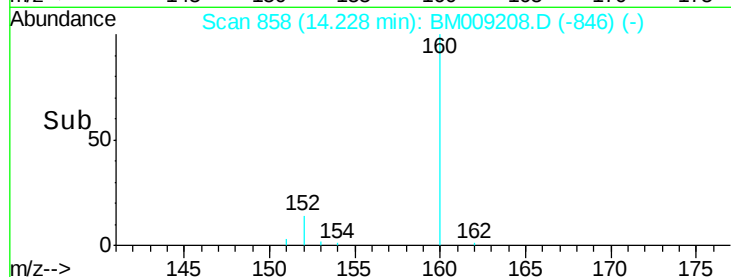
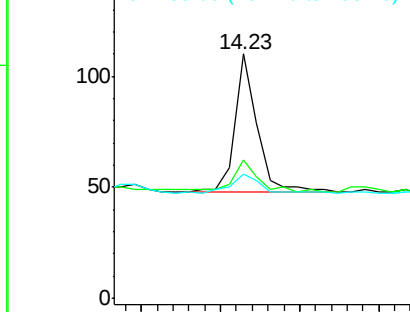
Tgt Ion:	152	Resp:	120
Ion Ratio	Lower	Upper	
152	100		
151	56.4	17.1	25.7#
153	50.9	12.8	19.2#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Fluorene

Concen: 0.03 ng/ul

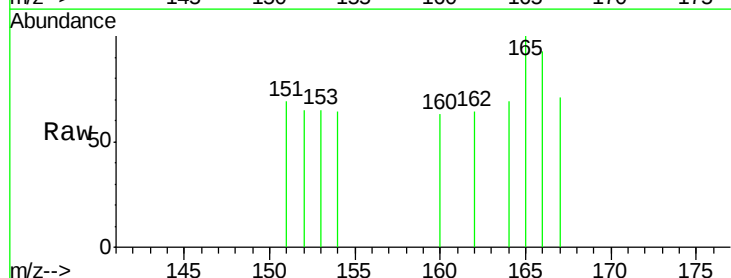
RT: 15.56 min Scan# 936

Delta R.T. -0.00 min

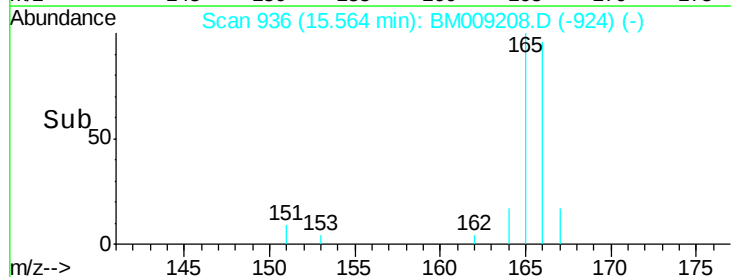
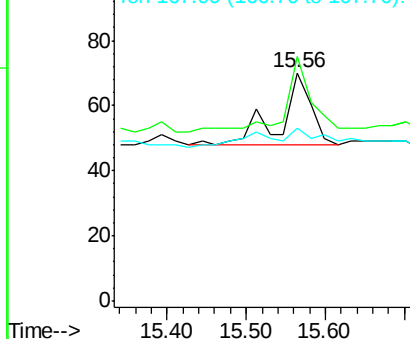
Lab File: BM009208.D

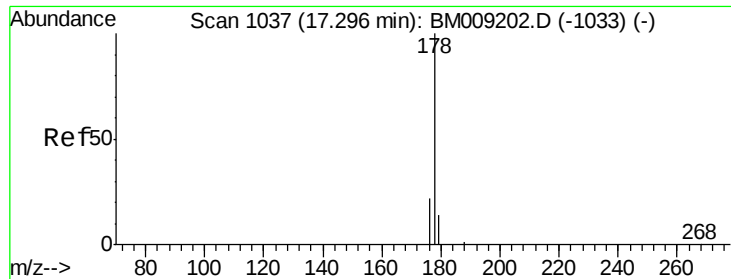
Acq: 11 Mar 2017 15:19

Tgt Ion:	166	Resp:	59
Ion Ratio	Lower	Upper	
166	100		
165	107.1	73.4	110.2
167	75.7	14.6	22.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.36 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Instrument :

BNA_M

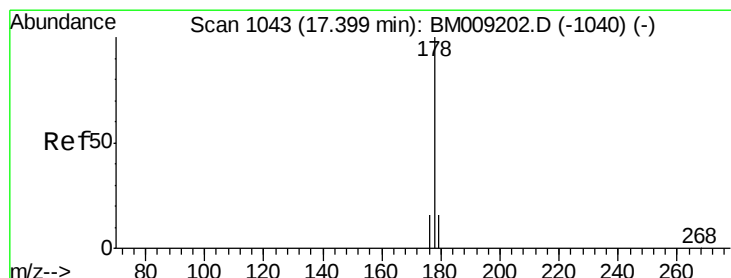
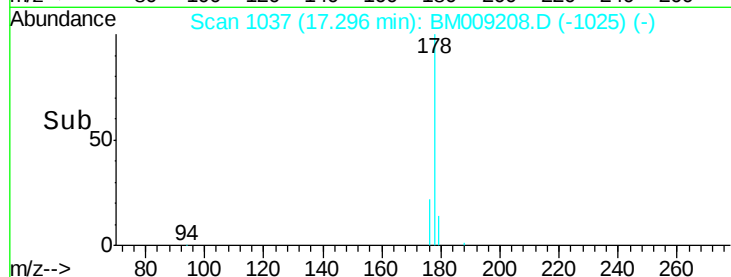
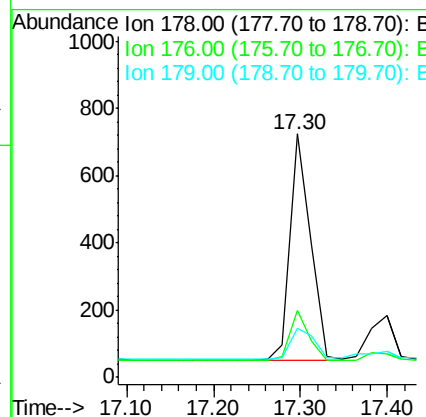
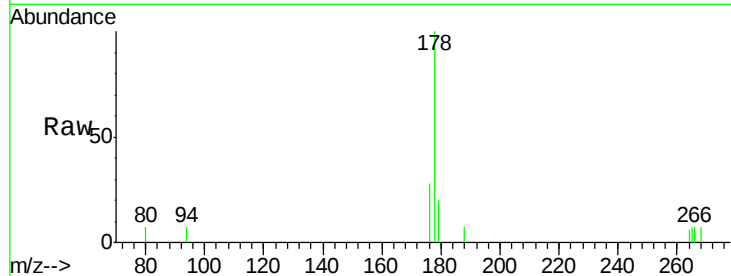
ClientSampleId :

C0AJ5DL

Tgt Ion:	178	Resp:	1115
Ion Ratio	Lower	Upper	
178	100		
176	27.6	18.4	27.6
179	20.1	13.6	20.4

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#13

Anthracene

Concen: 0.09 ng/ul

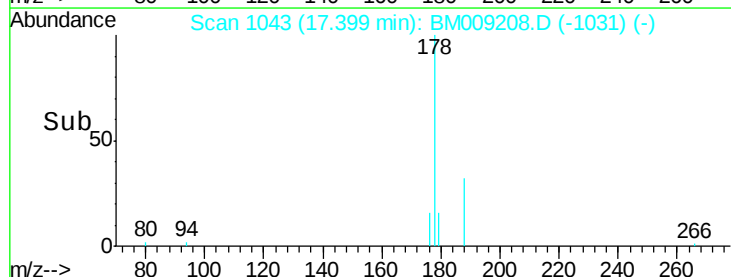
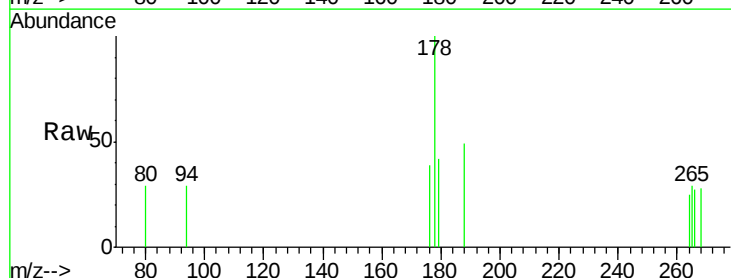
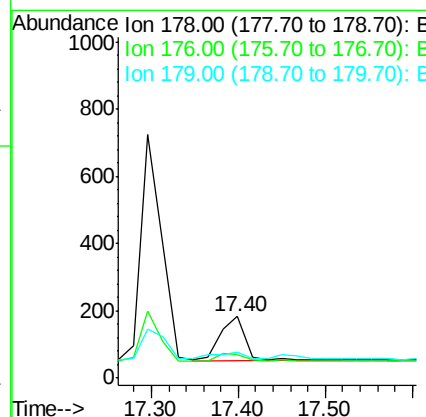
RT: 17.40 min Scan# 1043

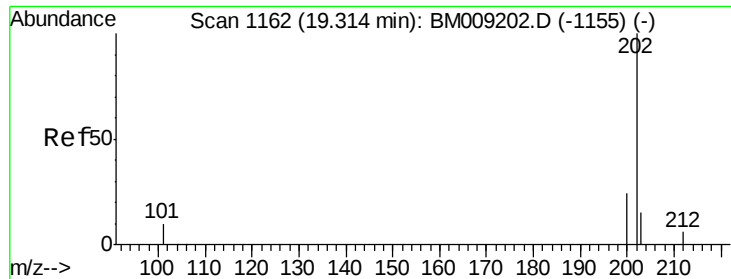
Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Tgt Ion:	178	Resp:	265
Ion Ratio	Lower	Upper	
178	100		
176	38.8	18.1	27.1#
179	41.5	14.7	22.1#





#15

Fluoranthene

Concen: 0.79 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Instrument :

BNA_M

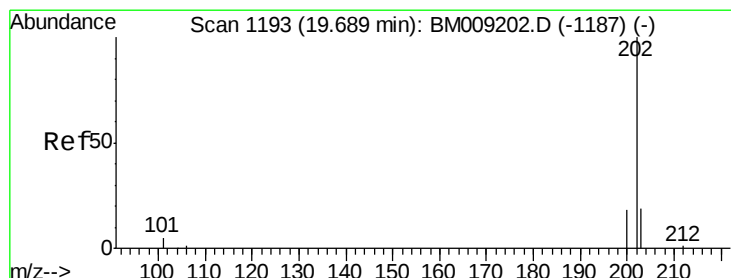
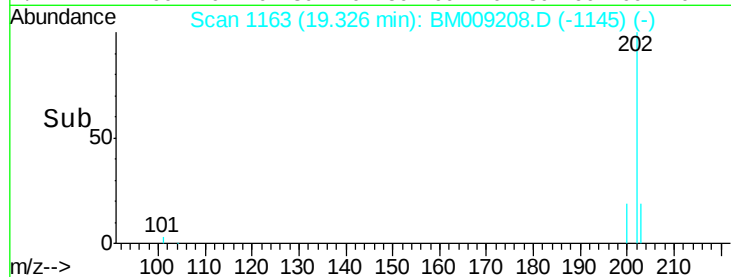
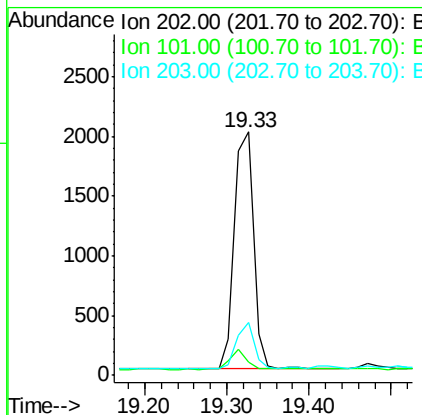
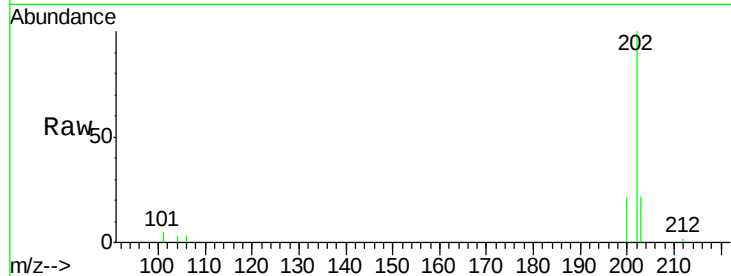
ClientSampled :

C0AJ5DL

Tgt Ion:	202	Resp:	3209
Ion Ratio	Lower	Upper	
202	100		
101	5.5	0.0	30.3
203	21.7	0.0	39.5

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#17

Pyrene

Concen: 0.81 ng/ul

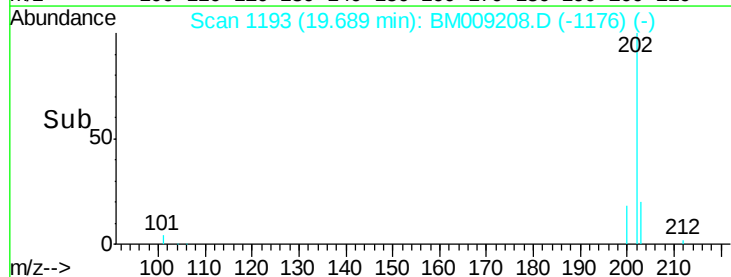
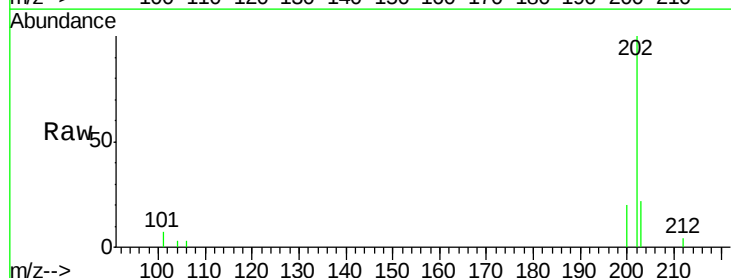
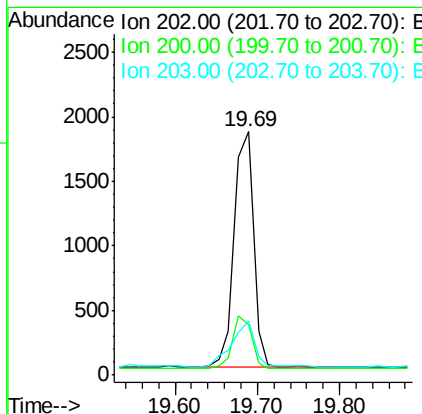
RT: 19.69 min Scan# 1193

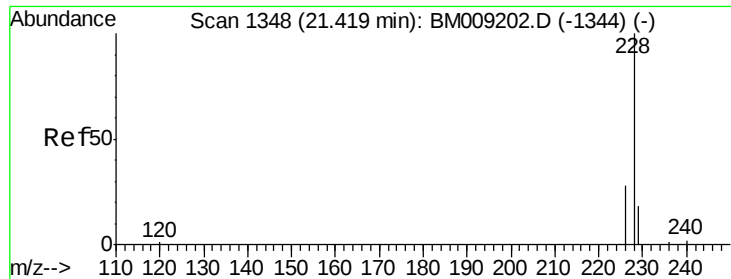
Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Tgt Ion:	202	Resp:	3008
Ion Ratio	Lower	Upper	
202	100		
200	20.4	18.2	27.4
203	22.3	15.6	23.4





#18

Benzo(a)anthracene

Concen: 0.51 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Instrument :

BNA_M

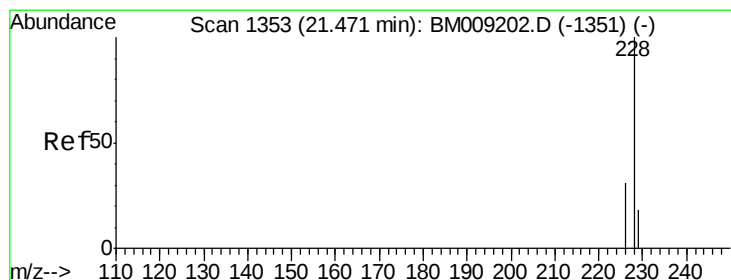
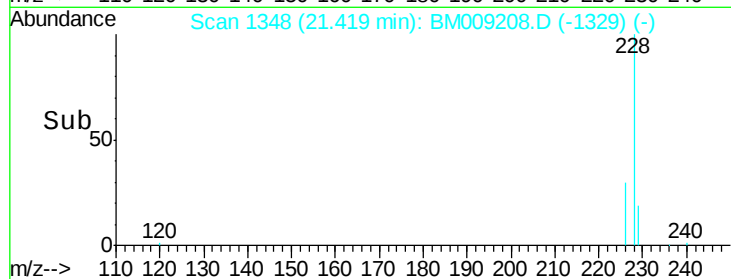
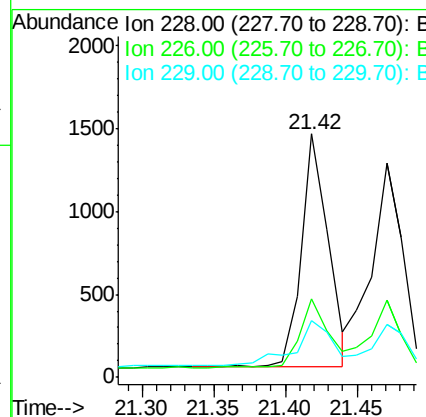
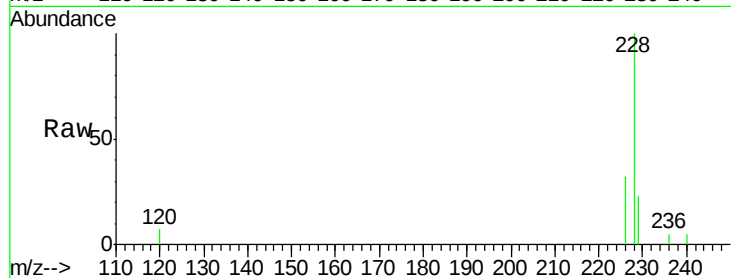
ClientSampleId :

C0AJ5DL

Tgt Ion:	228	Resp:	1847
Ion Ratio	Lower	Upper	
228	100		
226	32.5	22.8	34.2
229	23.3	17.0	25.6

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#19

Chrysene

Concen: 0.56 ng/ul m

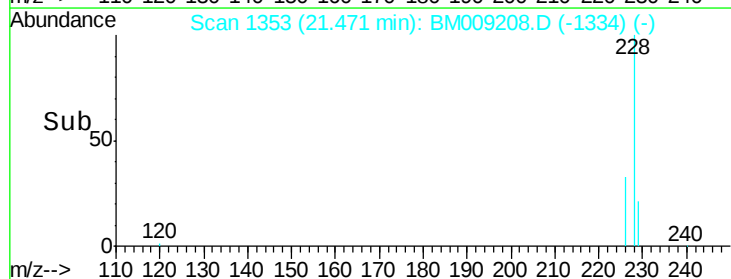
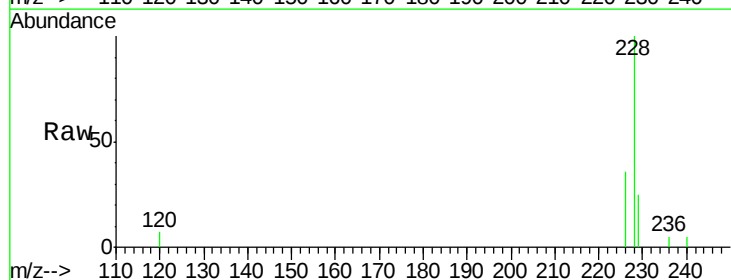
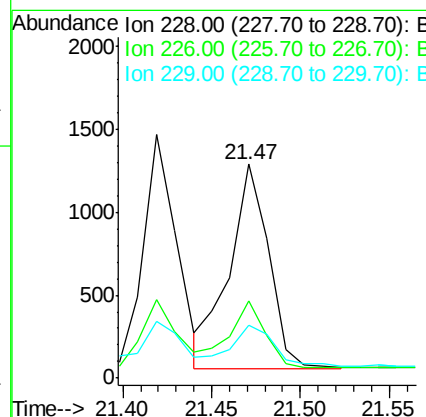
RT: 21.47 min Scan# 1353

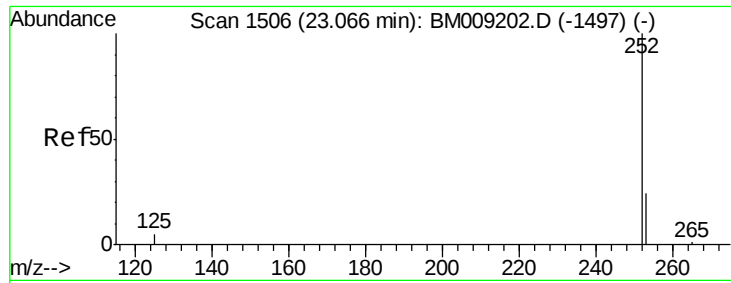
Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Tgt Ion:	228	Resp:	1911
Ion Ratio	Lower	Upper	
228	100		
226	36.4	23.4	35.0#
229	24.9	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 0.74 ng/ul m

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Instrument :

BNA_M

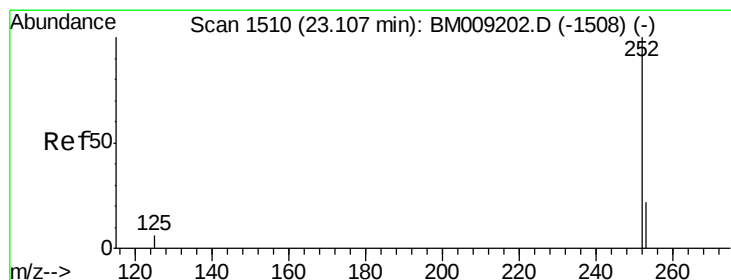
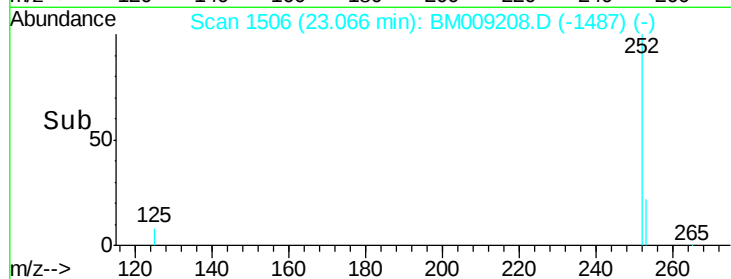
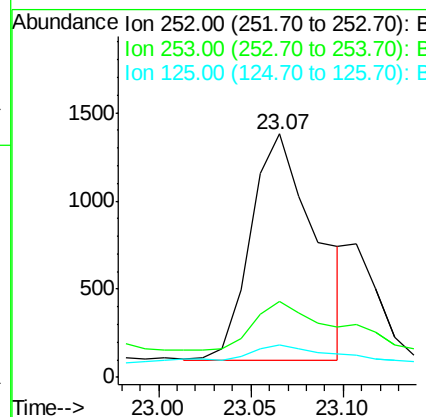
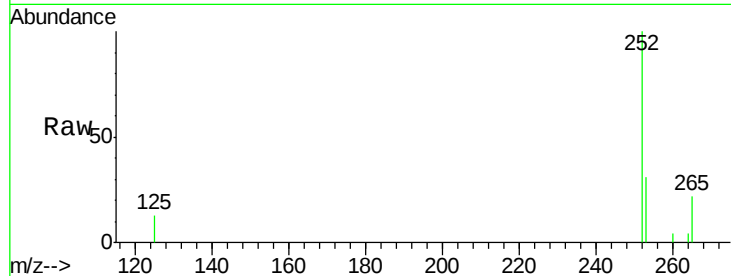
ClientSampleId :

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Tgt Ion:	252	Resp:	3161
Ion Ratio	Lower	Upper	
252	100		
253	31.4	0.0	64.2
125	13.3	0.0	35.0

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#22

Benzo(k)fluoranthene

Concen: 0.24 ng/ul m

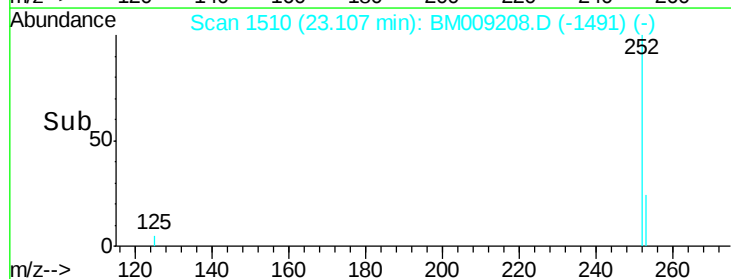
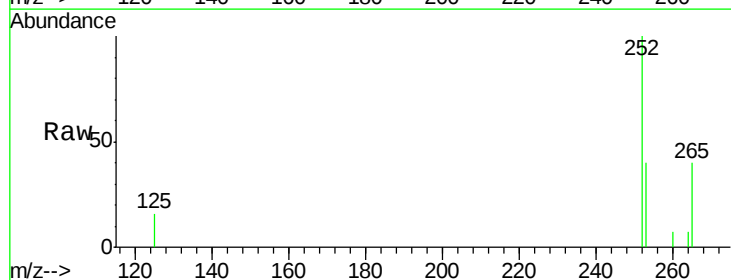
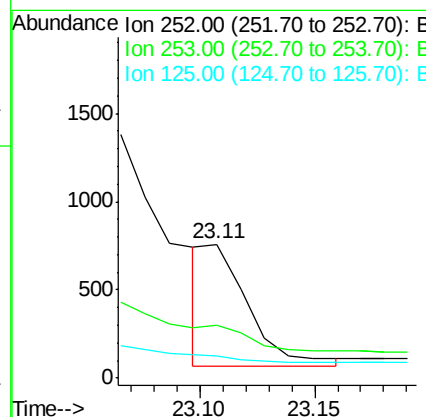
RT: 23.11 min Scan# 1510

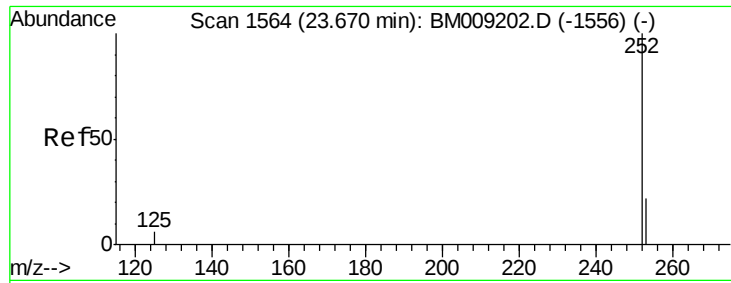
Delta R.T. -0.00 min

Lab File: BM009208.D

Acq: 11 Mar 2017 15:19

Tgt Ion:	252	Resp:	904
Ion Ratio	Lower	Upper	
252	100		
253	39.7	24.5	36.7#
125	16.4	13.7	20.5





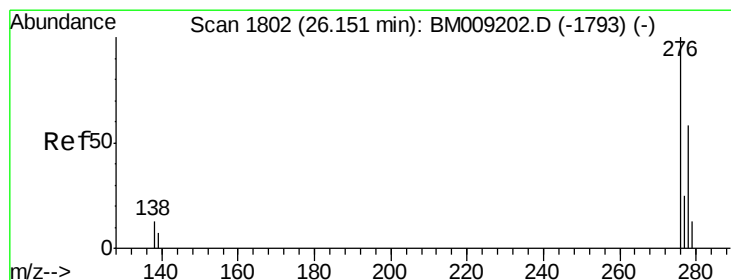
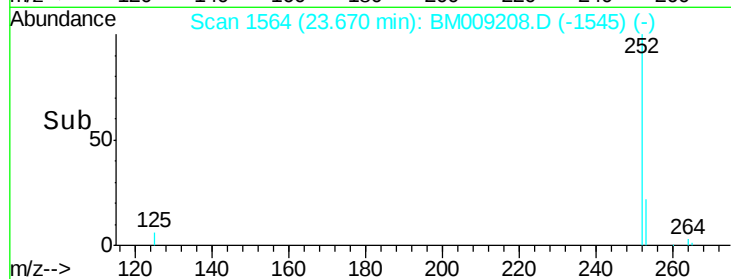
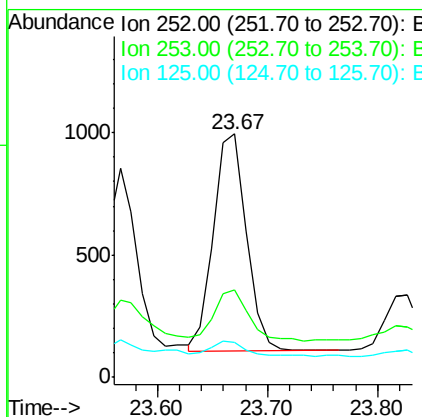
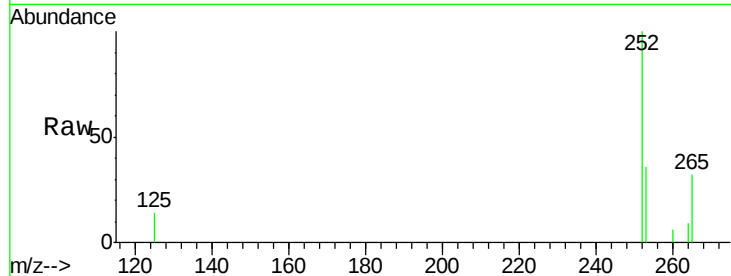
#23
Benzo(a)pyrene
Concen: 0.48 ng/ul
RT: 23.67 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM009208.D
Acq: 11 Mar 2017 15:19

Instrument :
BNA_M
ClientSampleId :
C0AJ5DL

Tgt Ion:	252	Resp:	1843
Ion Ratio	Lower	Upper	
252	100		
253	35.7	28.5	42.7
125	14.2	18.1	27.1#

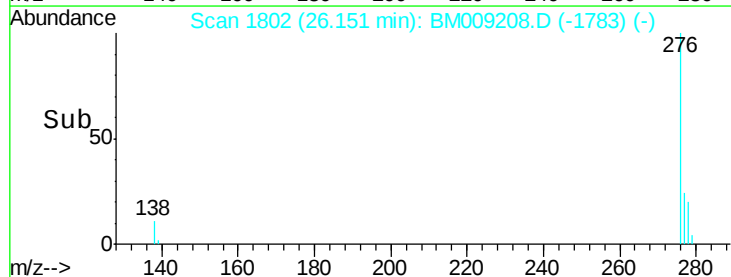
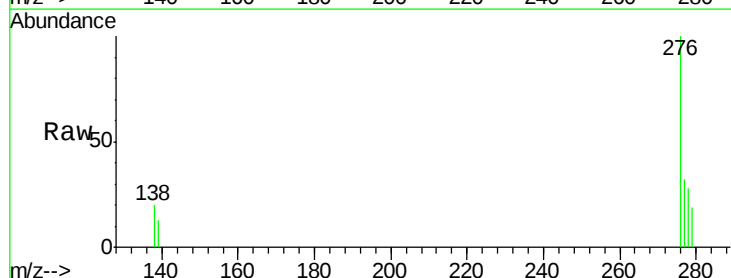
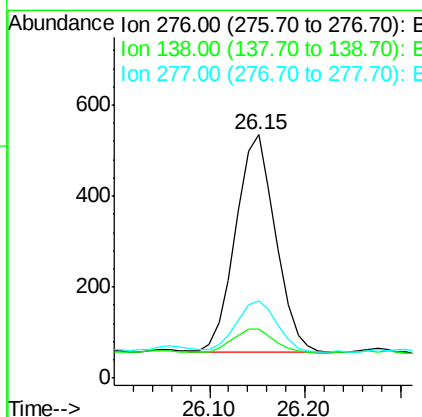
Manual Integrations
APPROVED

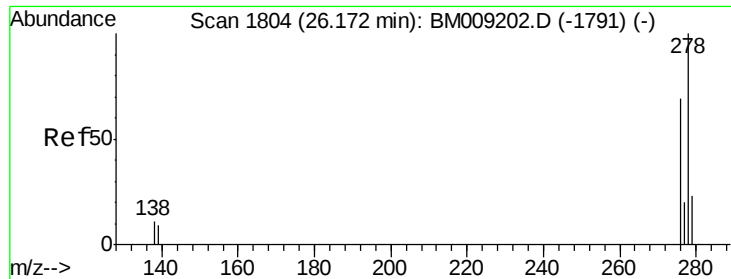
mohammad
3/13/2017 5:13:31 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.29 ng/ul
RT: 26.15 min Scan# 1802
Delta R.T. -0.00 min
Lab File: BM009208.D
Acq: 11 Mar 2017 15:19

Tgt Ion:	276	Resp:	1400
Ion Ratio	Lower	Upper	
276	100		
138	12.0	19.1	28.7#
277	24.3	19.6	29.4





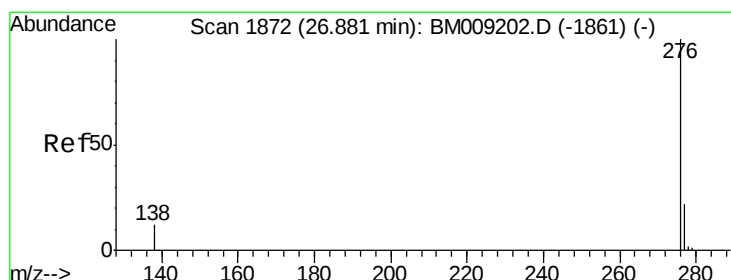
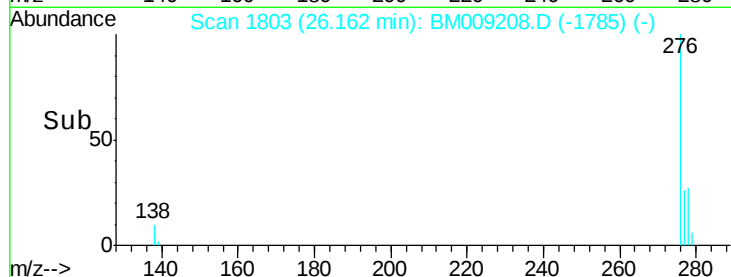
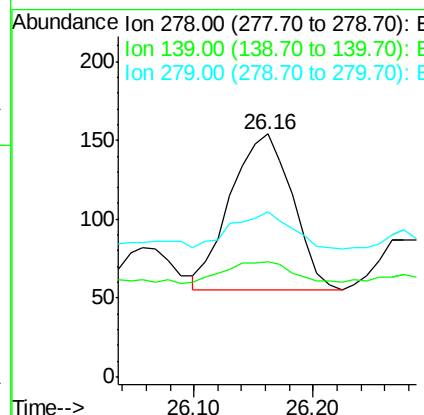
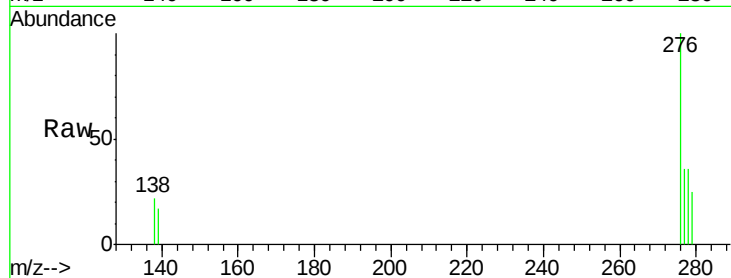
#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 26.16 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BM009208.D
Acq: 11 Mar 2017 15:19

Instrument :
BNA_M
ClientSampleId :
C0AJ5DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	47.4	17.4	26.0#
279	68.2	25.9	38.9#

Manual Integrations
APPROVED

mohammad
3/13/2017 5:13:31 PM



#26
Benzo(g,h,i)perylene
Concen: 0.30 ng/ul
RT: 26.88 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BM009208.D
Acq: 11 Mar 2017 15:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.2	21.8	32.8#
138	23.6	20.5	30.7

