

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041017\
 Data File : BM009644.D
 Acq On : 10 Apr 2017 11:16
 Operator : SJ/MA
 Sample : I2525-11DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB354DL

Manual Integrations
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mohammad
 4/10/2017 5:18:31 PM

Quant Time: Apr 10 15:07:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 10 01:54:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	122094	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	457018	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	260514	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	602435	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	824690	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	788358	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	20006	2.85	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	85113	3.33	ng/ul	0.00
10) Fluorene-d10	15.48	176	64109	3.49	ng/ul	0.00
15) Anthracene-d10	17.33	188	100297	3.48	ng/ul	0.00
19) Pyrene-d10	19.63	212	125692	3.71	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	128868	3.70	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.69	128	39115	1.67	ng/ul	98
8) Acenaphthylene	14.20	152	25861	1.01	ng/ul#	94
9) Acenaphthene	14.55	153	33670	1.91	ng/ul#	84
11) Fluorene	15.53	166	41080	1.91	ng/ul	89
14) Phenanthrene	17.28	178	841531	24.85	ng/ul	96
16) Anthracene	17.37	178	162552	4.64	ng/ul	98
17) Fluoranthene	19.29	202	1260392	29.88	ng/ul	98
20) Pyrene	19.66	202	1151787	25.65	ng/ul	96
21) Benzo(a)anthracene	21.40	228	576870	12.37	ng/ul	99
22) Chrysene	21.45	228	545545	12.76	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	715074	14.67	ng/ul	100
25) Benzo(k)fluoranthene	23.08	252	212709m	4.58	ng/ul	
27) Benzo(a)pyrene	23.64	252	532769	11.49	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	26.10	276	354582	6.82	ng/ul	97
29) Dibenzo(a,h)anthracene	26.10	278	88692m	2.01	ng/ul	
30) Benzo(g,h,i)perylene	26.83	276	339164	7.92	ng/ul#	90

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

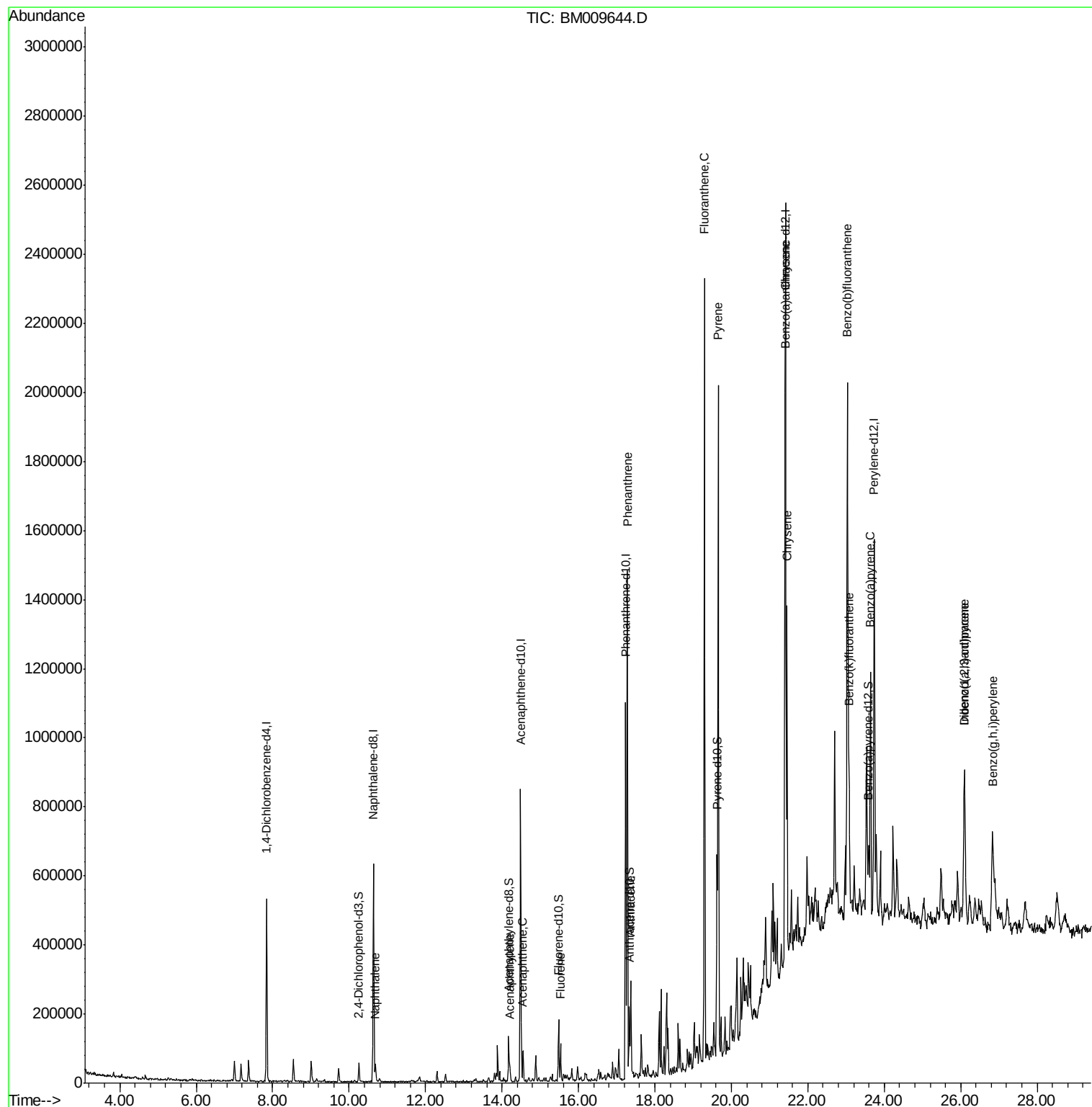
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041017\
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ALS Vial : 4 Sample Multiplier: 1

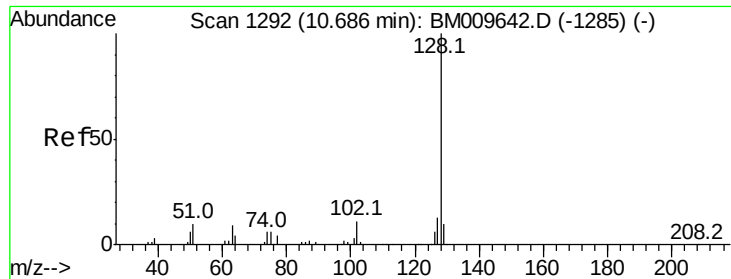
Instrument :
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QLast Update : Mon Apr 10 01:54:07 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.67 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

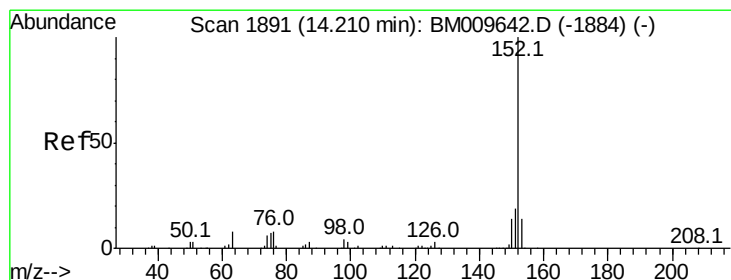
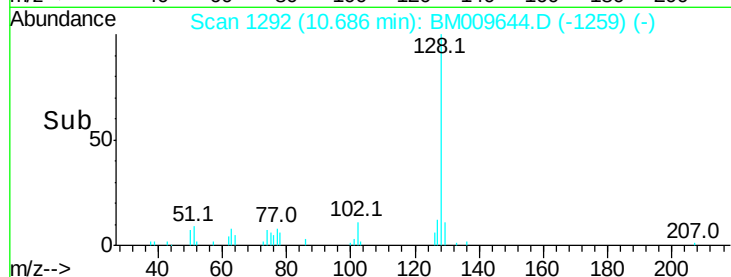
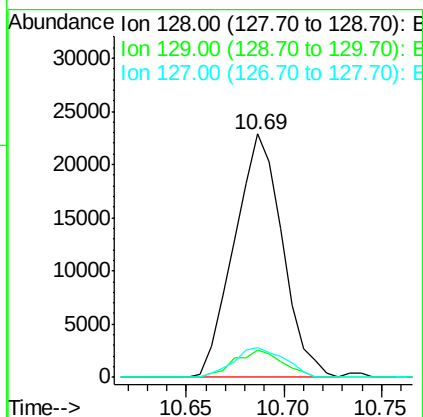
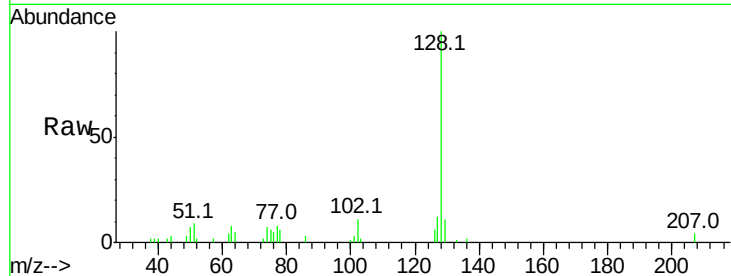
ClientSampleId :

CB354DL

Tot Ion:	128	Resp:	39115
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.1	13.7
127	12.0	10.6	15.8

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#8

Acenaphthylene

Concen: 1.01 ng/ul

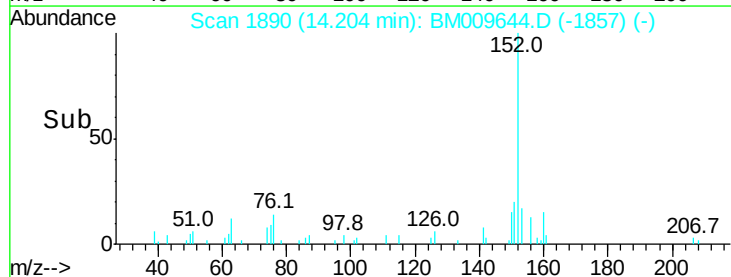
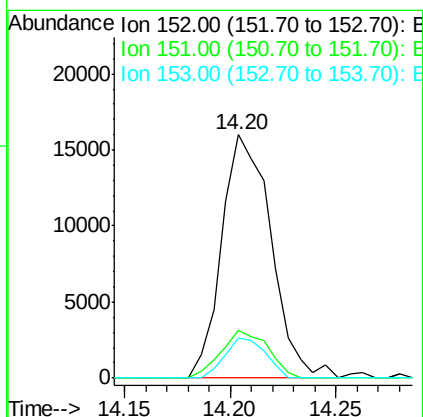
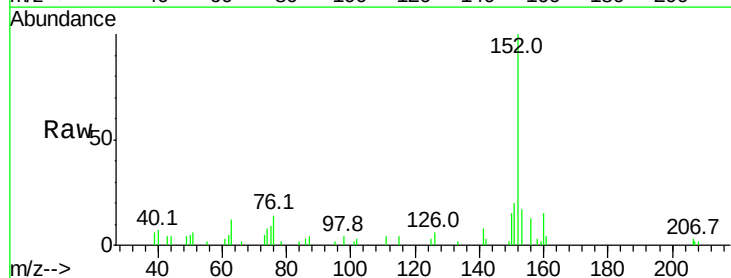
RT: 14.20 min Scan# 1890

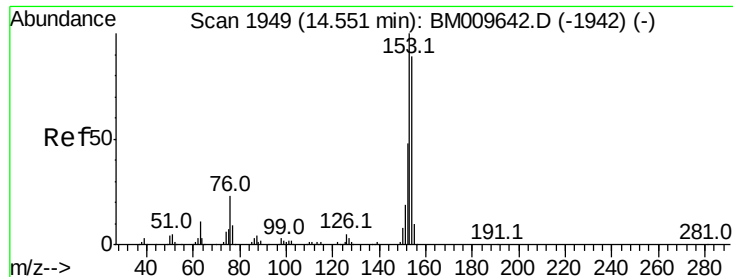
Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Tgt Ion:	152	Resp:	25861
Ion Ratio	Lower	Upper	
152	100		
151	19.7	17.5	26.3
153	16.7	10.6	16.0#





#9

Acenaphthene

Concen: 1.91 ng/ul

RT: 14.55 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

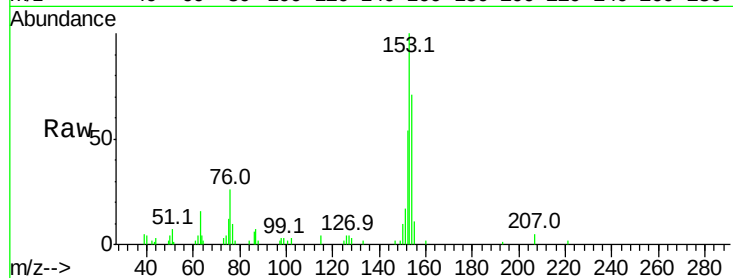
ClientSampled :

CB354DL

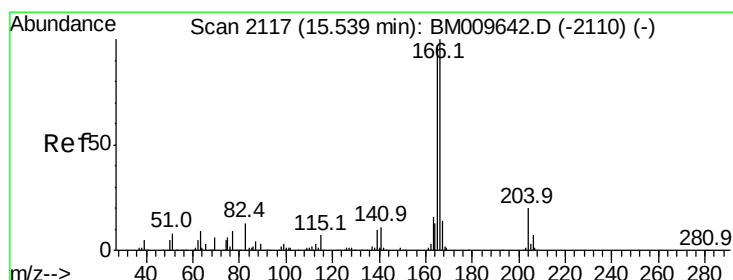
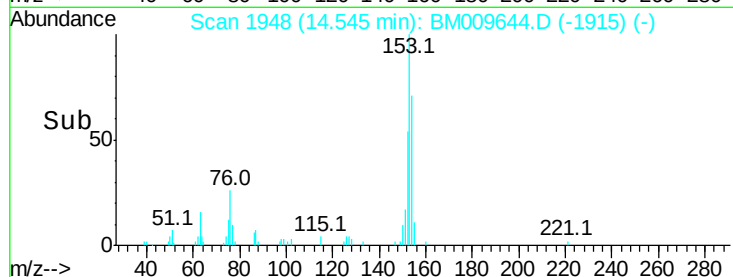
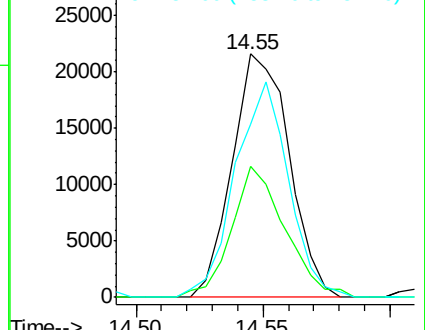
Tot Ion:153	Resp:	33670
Ion Ratio	Lower	Upper
153	100	
152	53.8	37.9 56.9
154	71.2	71.6 107.4#

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.91 ng/ul

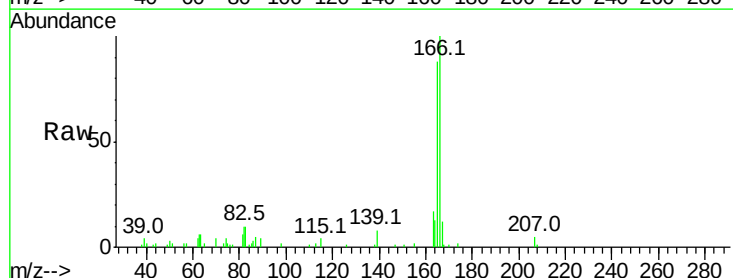
RT: 15.53 min Scan# 2116

Delta R.T. -0.01 min

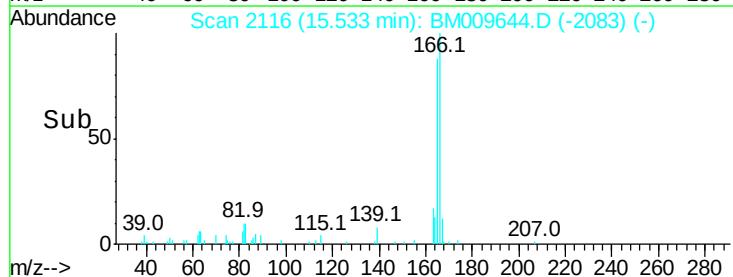
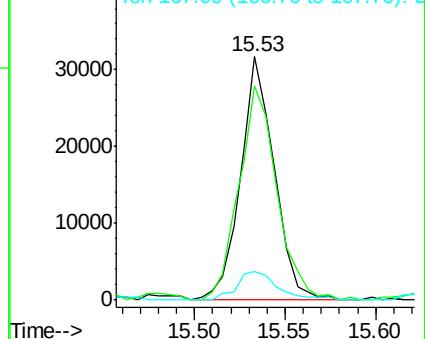
Lab File: BM009644.D

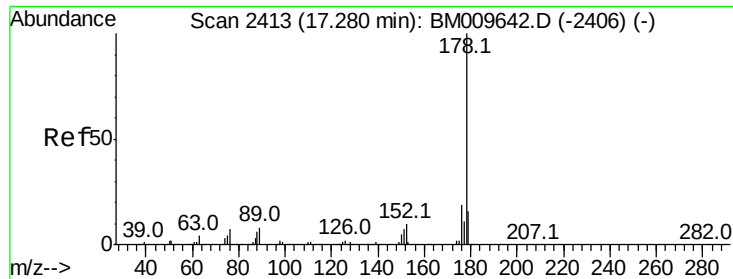
Acq: 10 Apr 2017 11:16

Tgt Ion:166	Resp:	41080
Ion Ratio	Lower	Upper
166	100	
165	88.1	80.0 120.0
167	11.8	11.6 17.4



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





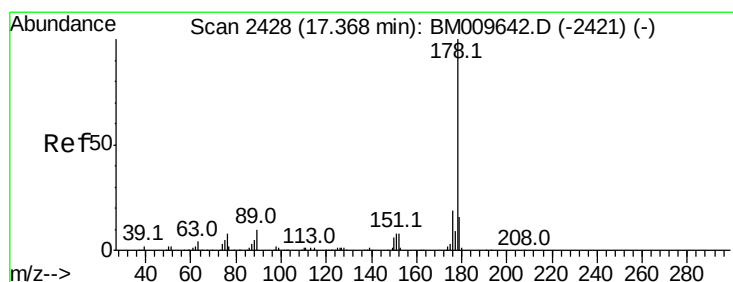
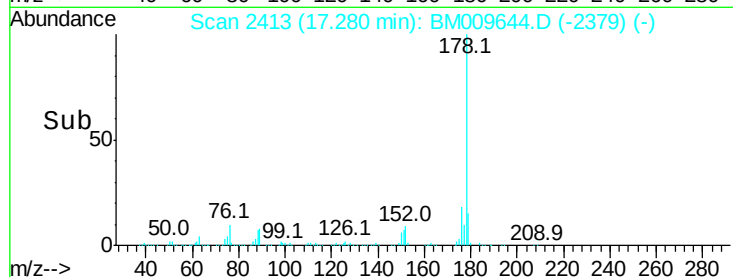
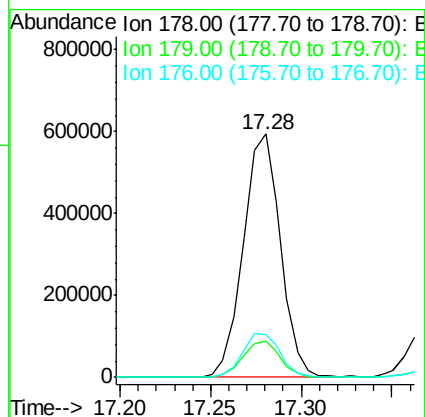
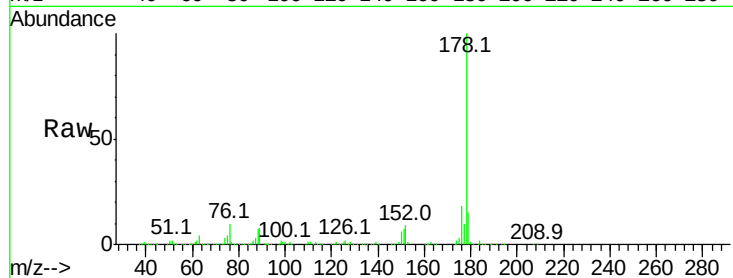
#14
Phenanthrene
Concen: 24.85 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Instrument :
BNA_M
ClientSampleId :
CB354DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	17.7	16.4	24.6

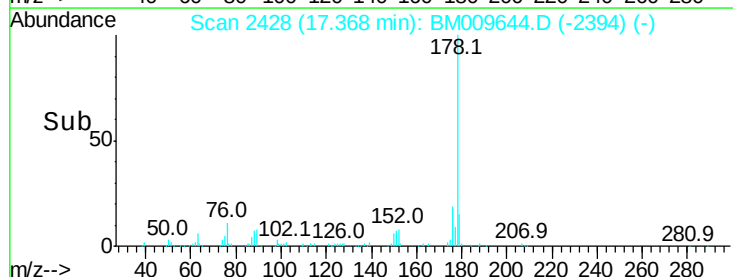
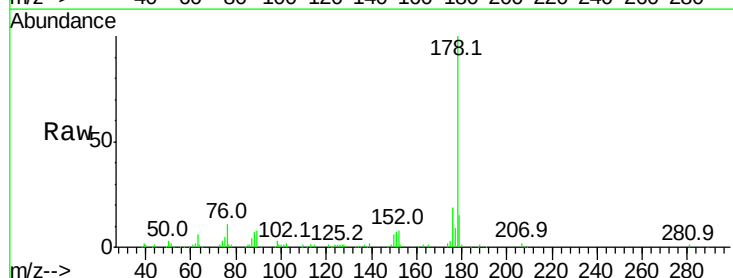
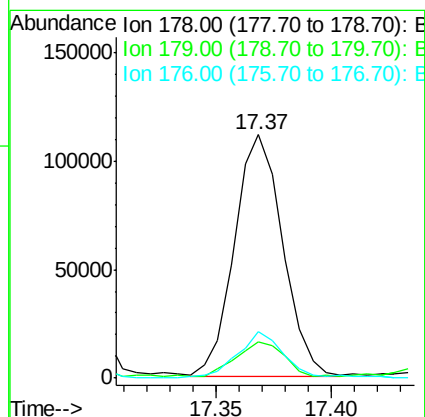
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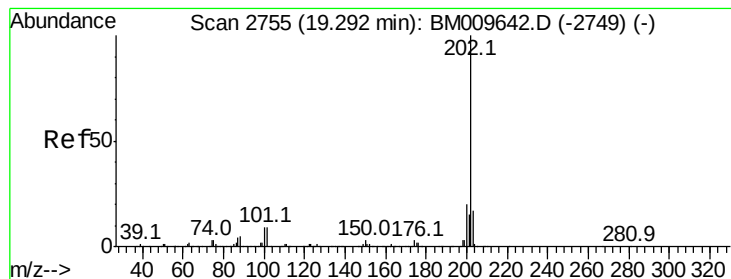
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#16
Anthracene
Concen: 4.64 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.7	19.1
176	19.3	15.8	23.8





#17

Fluoranthene

Concen: 29.88 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

ClientSampleId :

CB354DL

Tot Ion:202 Resp: 1260392

Ion Ratio Lower Upper

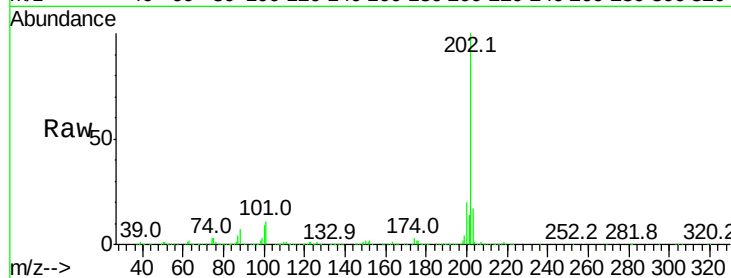
202 100

101 11.3 9.8 14.8

100 9.2 7.5 11.3

Manual Integrations
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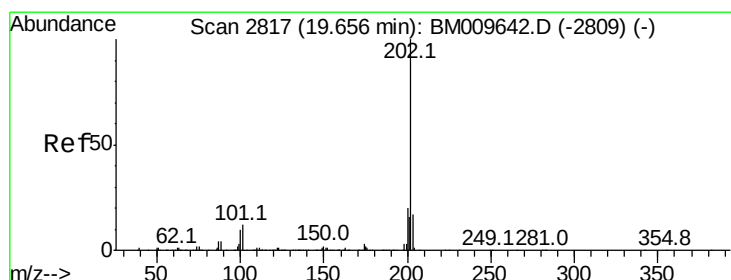
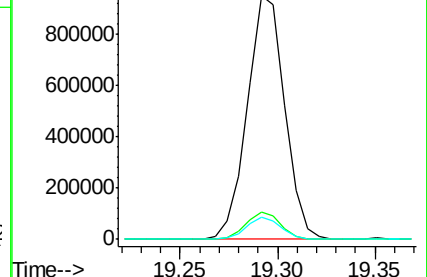
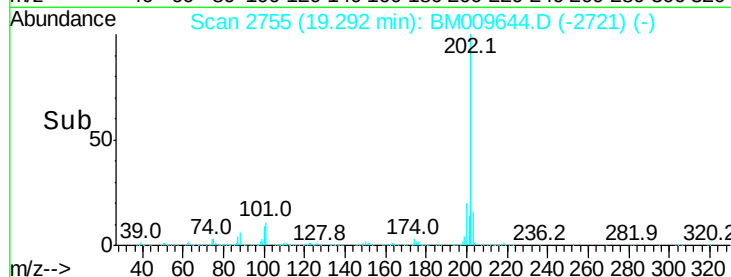
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 25.65 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

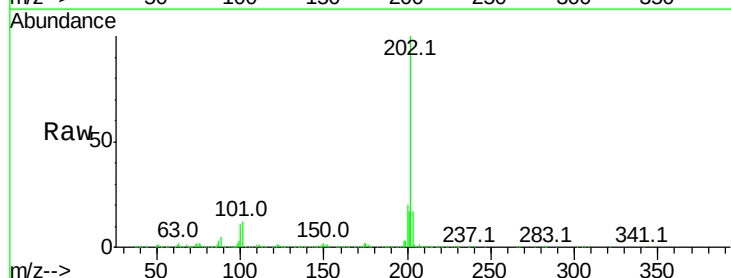
Tgt Ion:202 Resp: 1151787

Ion Ratio Lower Upper

202 100

101 12.3 11.2 16.8

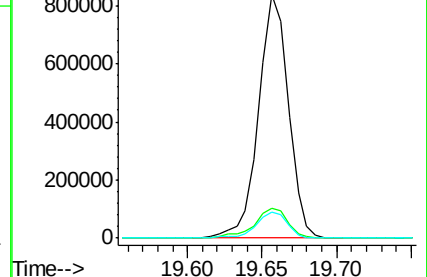
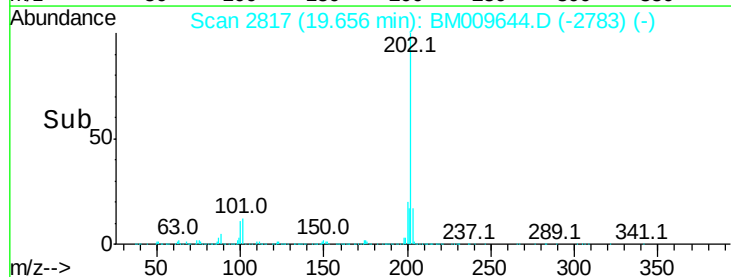
100 10.8 9.8 14.6

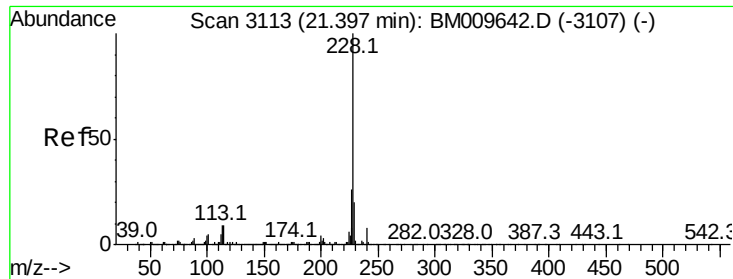


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





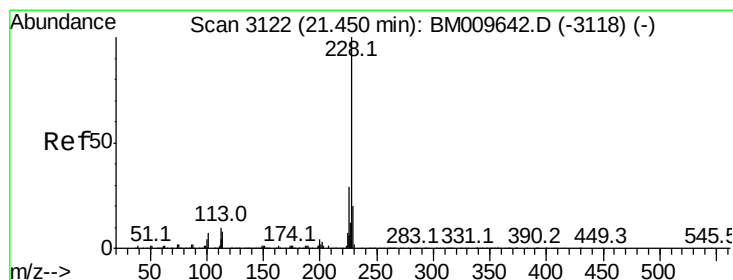
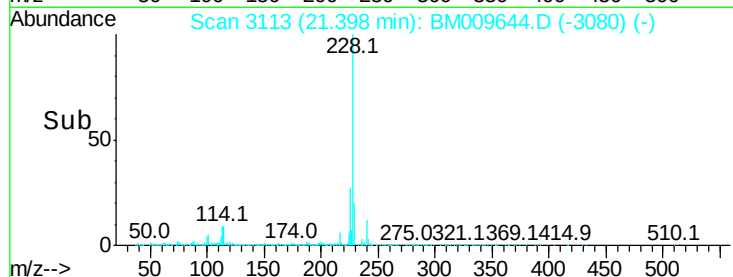
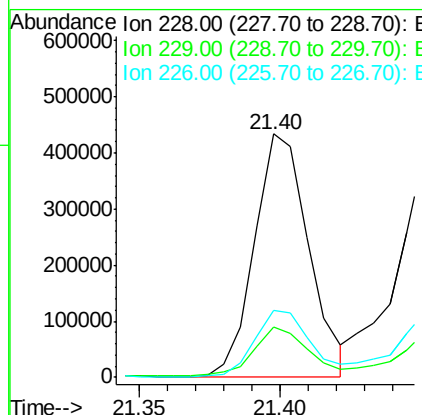
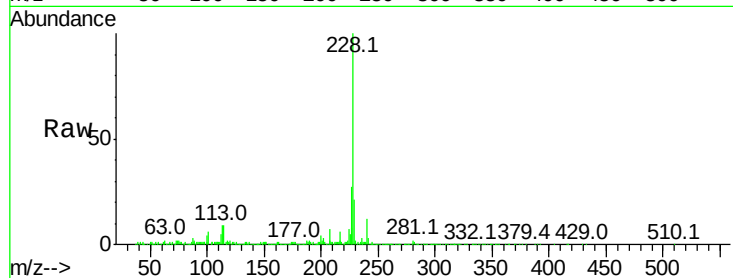
#21
Benzo(a)anthracene
Concen: 12.37 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Instrument :
BNA_M
ClientSampleID :
CB354DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.9	23.9
226	27.3	22.1	33.1

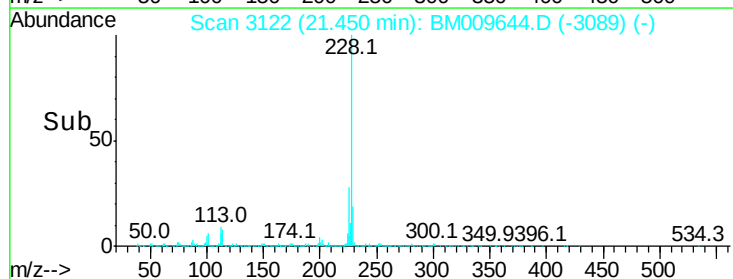
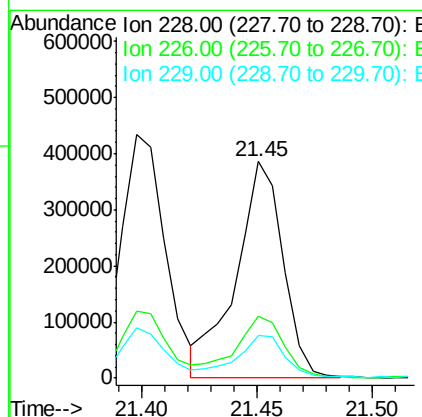
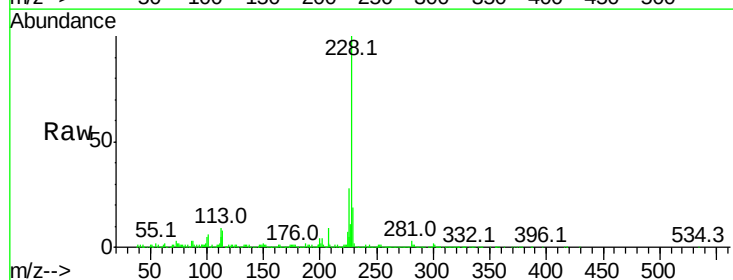
Manual Integrations
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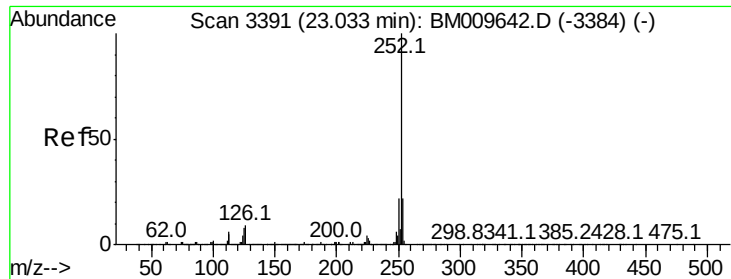
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#22
Chrysene
Concen: 12.76 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.0	37.6
229	19.4	16.6	25.0





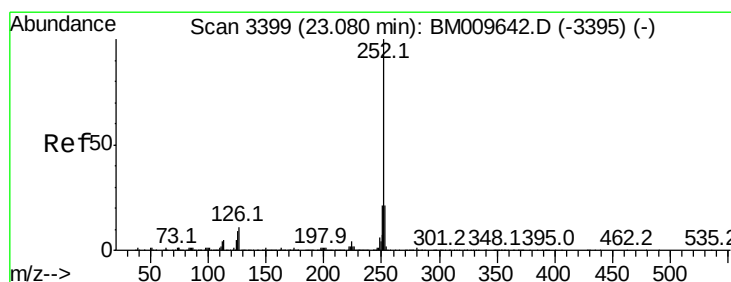
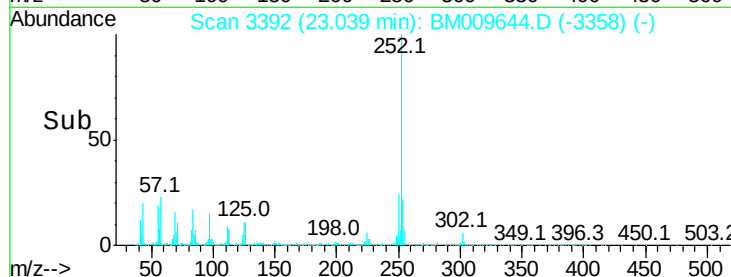
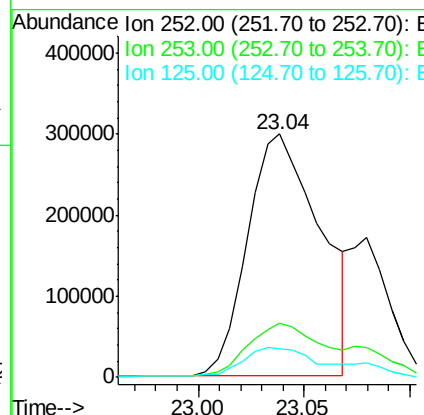
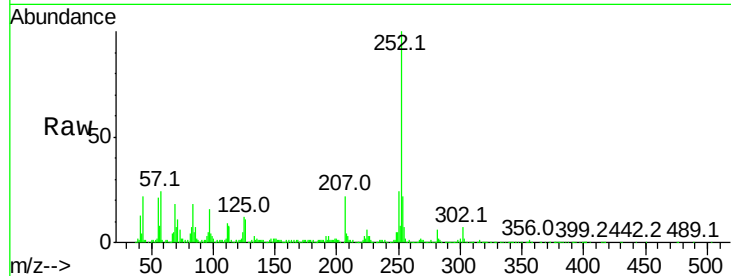
#24
Benzo(b)fluoranthene
Concen: 14.67 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.00 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Instrument :
BNA_M
ClientSampleId :
CB354DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.8	9.4	14.0

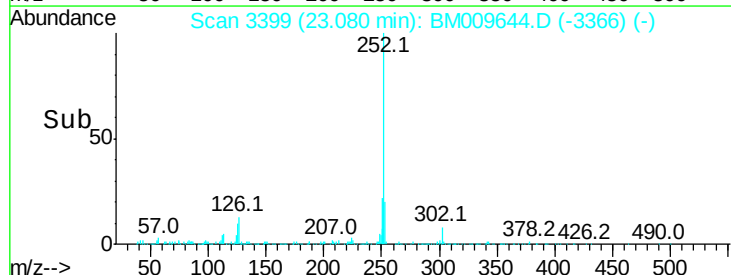
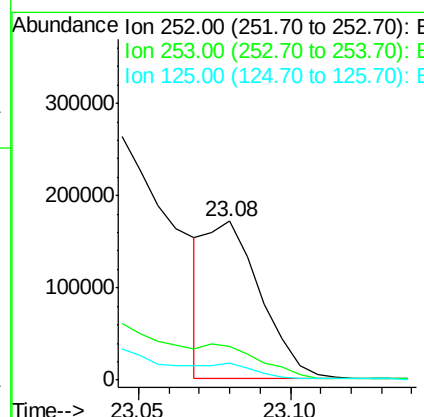
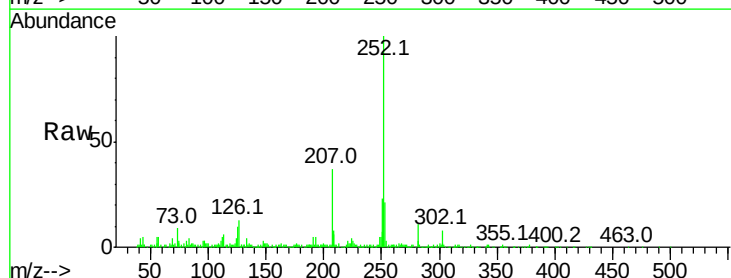
Manual Integrations
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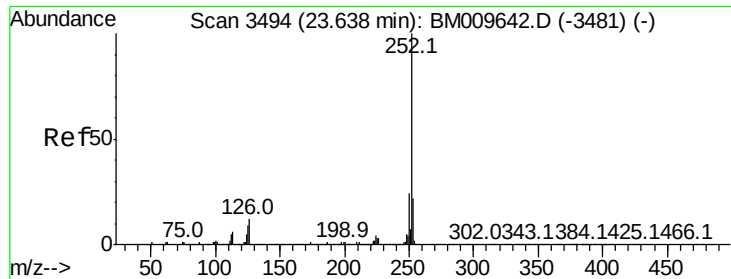
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#25
Benzo(k)fluoranthene
Concen: 4.58 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	10.4	8.8	13.2





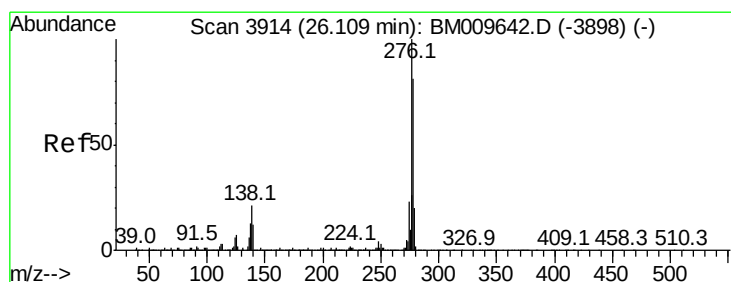
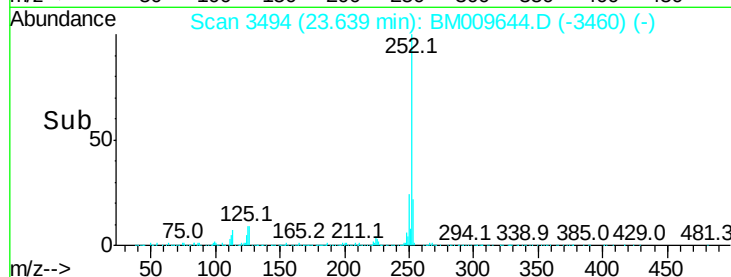
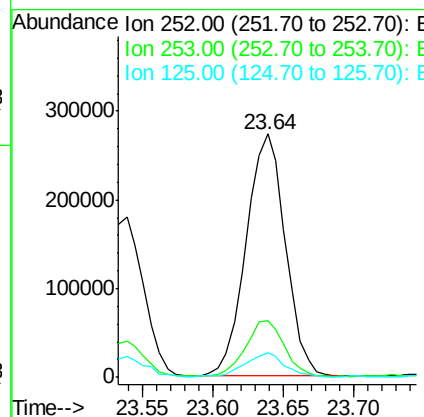
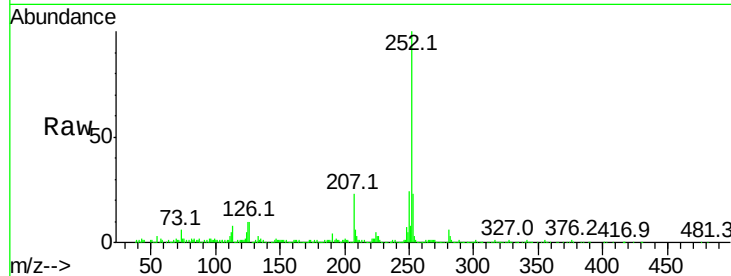
#27
Benzo(a)pyrene
Concen: 11.49 ng/ul
RT: 23.64 min Scan# 3494
Delta R.T. 0.00 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Instrument :
BNA_M
ClientSampleId :
CB354DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	10.0	9.4	14.2

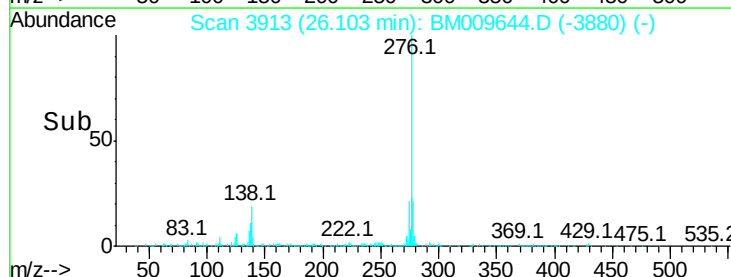
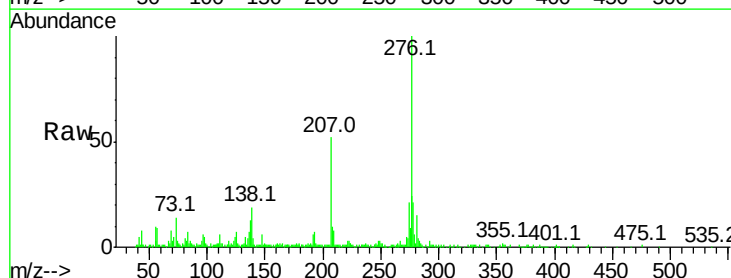
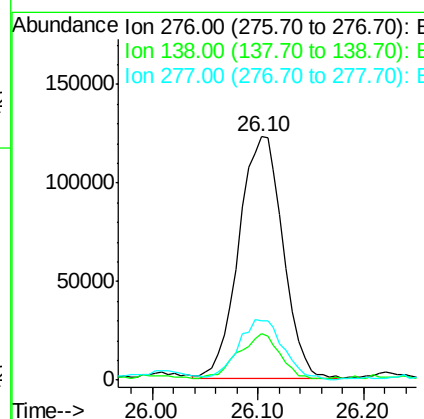
Manual Integrations
APPROVED

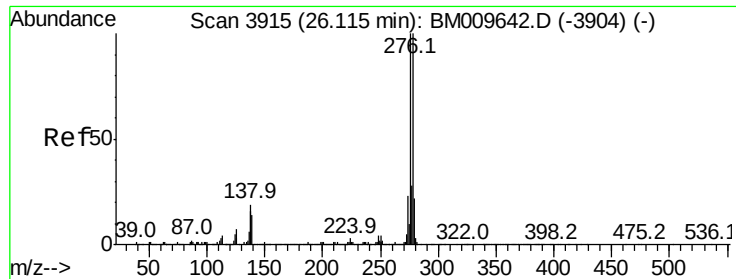
mohammad
4/10/2017 5:18:31 PM



#28
Indeno(1,2,3-cd)pyrene
Concen: 6.82 ng/ul
RT: 26.10 min Scan# 3913
Delta R.T. -0.01 min
Lab File: BM009644.D
Acq: 10 Apr 2017 11:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.8	26.6
277	24.2	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 2.01 ng/ul m

RT: 26.10 min Scan# 3913

Delta R.T. -0.02 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Instrument :

BNA_M

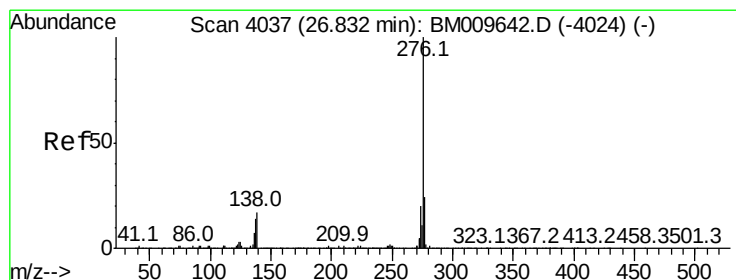
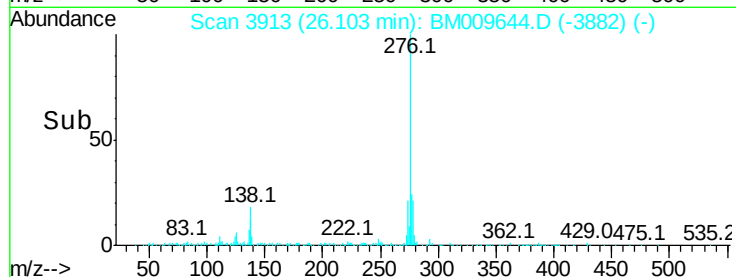
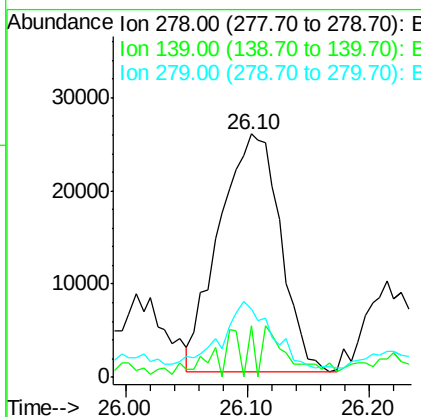
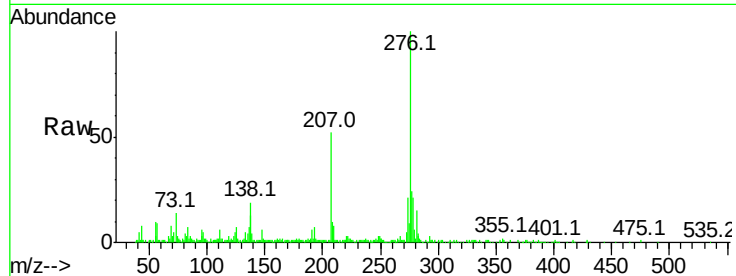
ClientSampleId :

CB354DL

Tot Ion:	278	Resp:	88692
Ion Ratio	Lower	Upper	
278	100		
139	21.3	14.0	21.0#
279	28.1	20.6	31.0

Manual Integrations
APPROVED

mohammad
4/10/2017 5:18:31 PM



#30

Benzo(g,h,i)perylene

Concen: 7.92 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM009644.D

Acq: 10 Apr 2017 11:16

Tgt Ion:	276	Resp:	339164
Ion Ratio	Lower	Upper	
276	100		
138	17.0	19.0	28.4#
277	21.7	19.7	29.5

