

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009638.D
 Acq On : 07 Apr 2017 20:38
 Operator : SJ/MA
 Sample : I2525-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB345

Manual Integrations
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Quant Time: Apr 08 01:53:21 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 08 01:45:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	173183	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	677027	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	386534	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	903128	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1117996	20.00	ng/ul	0.00
23) Perylene-d12	23.75	264	1065598	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	240659	23.12	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1588354	41.93	ng/ul	0.00
10) Fluorene-d10	15.48	176	1120966	41.14	ng/ul	0.00
15) Anthracene-d10	17.34	188	1812934	41.96	ng/ul	0.00
19) Pyrene-d10	19.63	212	2066512	44.98	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	2043213	43.43	ng/ul	0.01
Target Compounds						
						Qvalue
4) Naphthalene	10.69	128	55189	1.59	ng/ul	97
5) 2-Methylnaphthalene	12.30	142	25945	1.03	ng/ul	97
8) Acenaphthylene	14.21	152	185777	4.89	ng/ul	99
9) Acenaphthene	14.55	153	34949	1.34	ng/ul#	84
11) Fluorene	15.54	166	59401	1.86	ng/ul#	96
14) Phenanthrene	17.28	178	1023158	20.15	ng/ul	98
16) Anthracene	17.37	178	303813	5.79	ng/ul	96
17) Fluoranthene	19.30	202	2301442	36.40	ng/ul	95
20) Pyrene	19.66	202	2236254	36.74	ng/ul	95
21) Benzo(a)anthracene	21.40	228	1401430	22.17	ng/ul	98
22) Chrysene	21.46	228	1285310	22.18	ng/ul	95
24) Benzo(b)fluoranthene	23.04	252	2325672	35.29	ng/ul	99
25) Benzo(k)fluoranthene	23.09	252	553874m	8.82	ng/ul	
27) Benzo(a)pyrene	23.65	252	1513828	24.16	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.12	276	1245111	17.72	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.12	278	343431m	5.75	ng/ul	
30) Benzo(g,h,i)perylene	26.86	276	1127657	19.47	ng/ul#	93

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

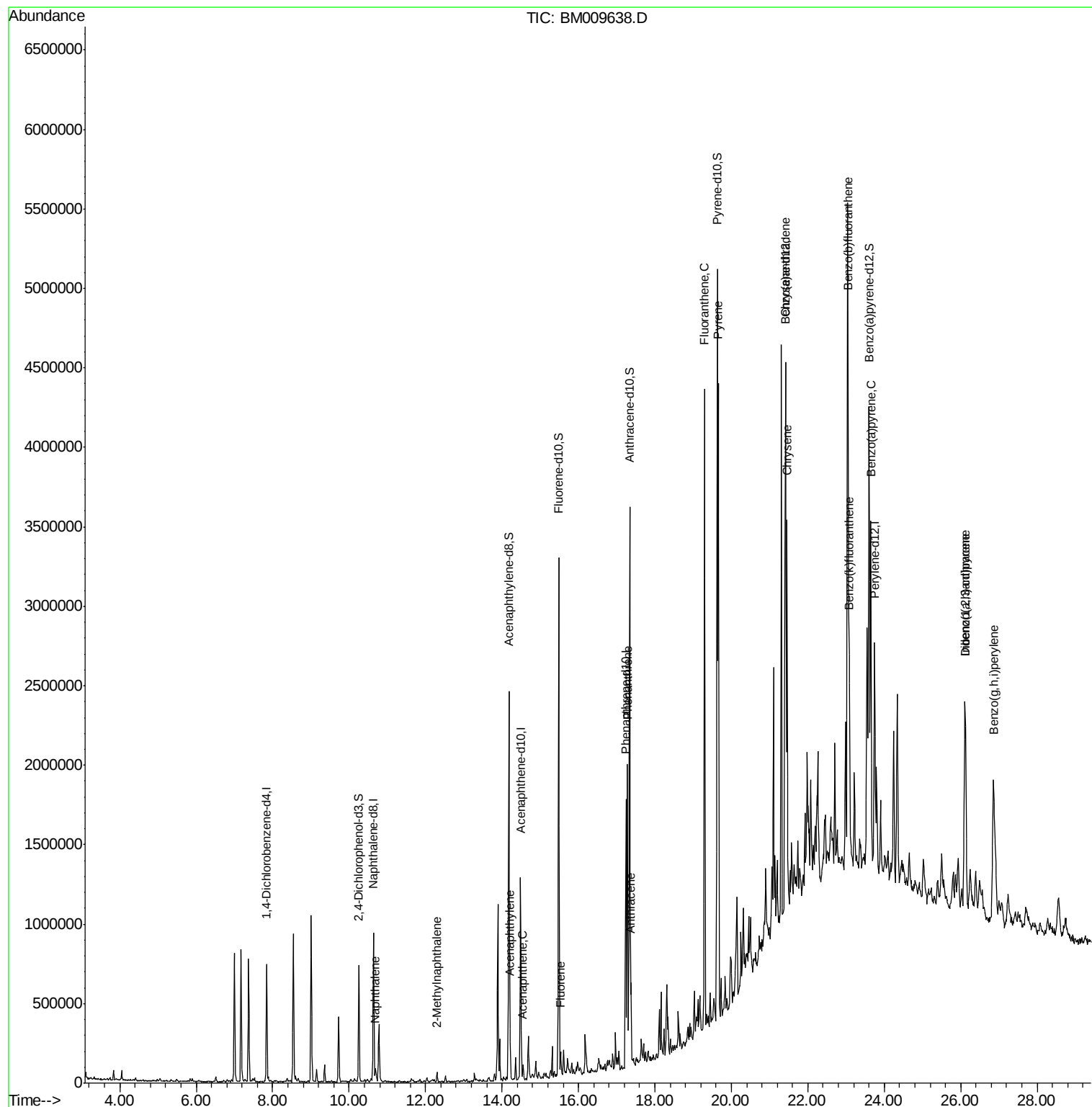
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ALS Vial : 20 Sample Multiplier: 1

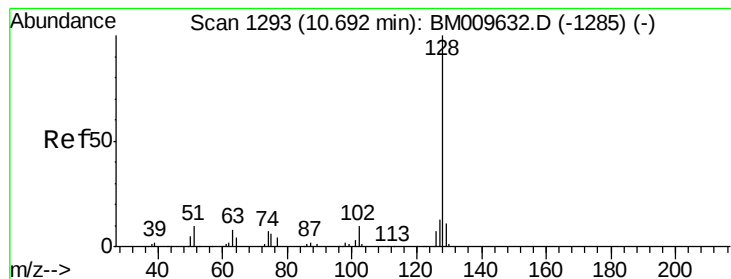
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 08 01:45:48 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.59 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Instrument :

BNA_M

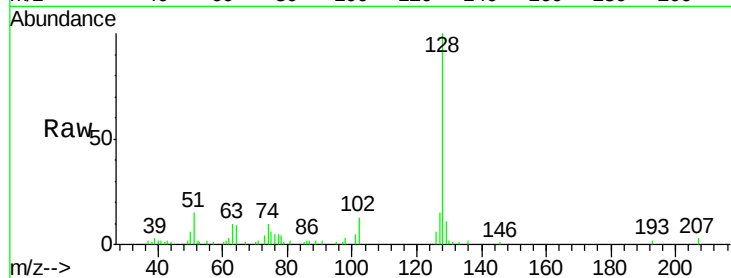
ClientSampleId :

CB345

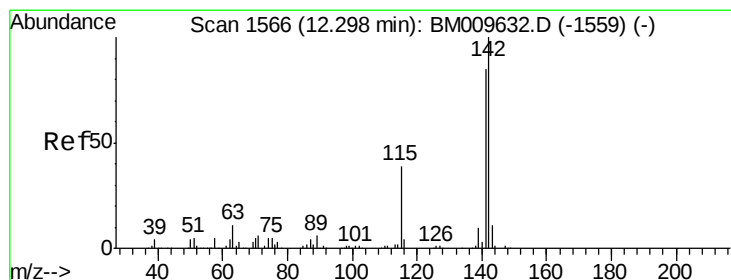
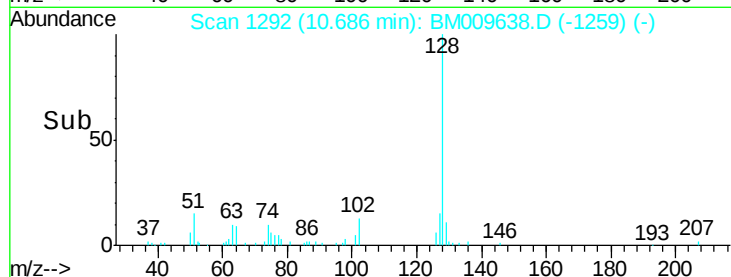
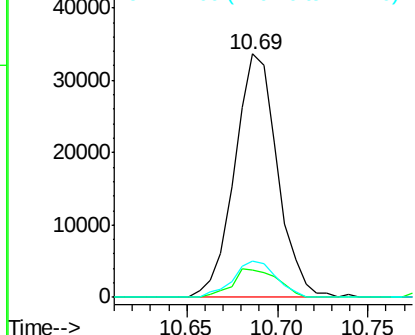
Tgt Ion:	128	Resp:	55189
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.1	13.7
127	14.8	10.6	15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.03 ng/ul

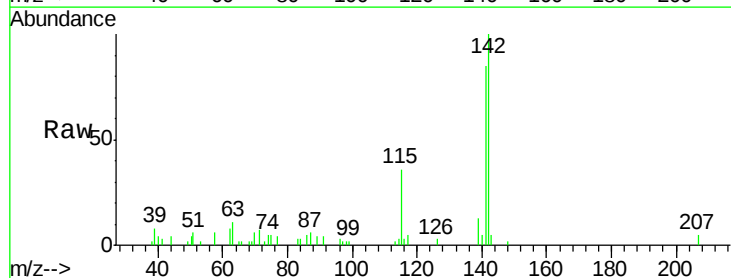
RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

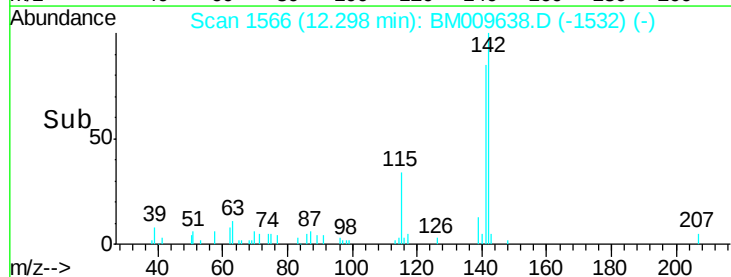
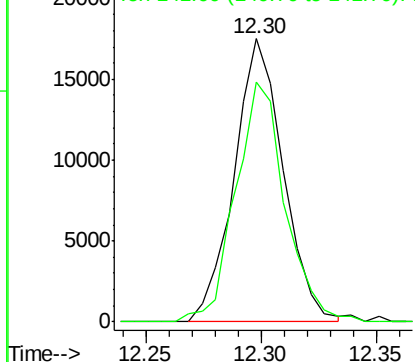
Lab File: BM009638.D

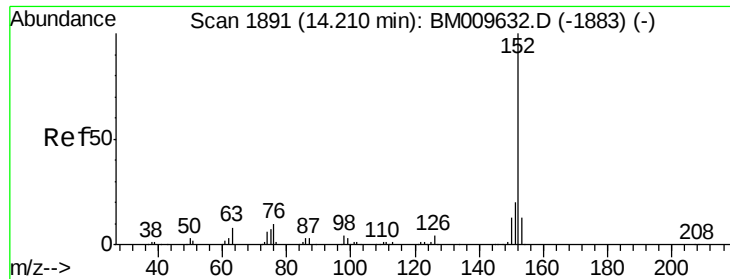
Acq: 07 Apr 2017 20:38

Tgt Ion:	142	Resp:	25945
Ion Ratio	Lower	Upper	
142	100		
141	84.7	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 4.89 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Instrument :

BNA_M

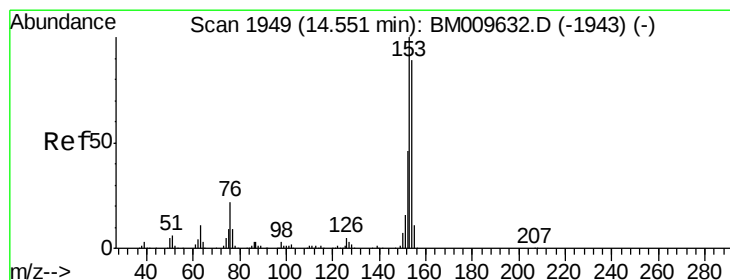
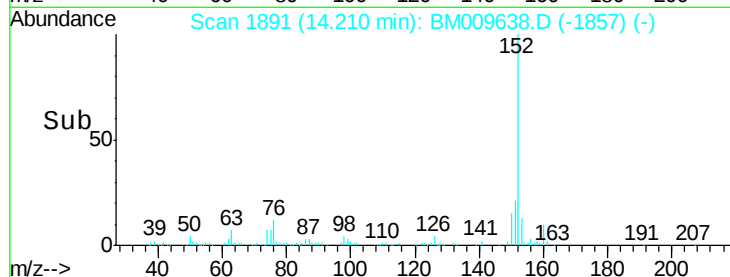
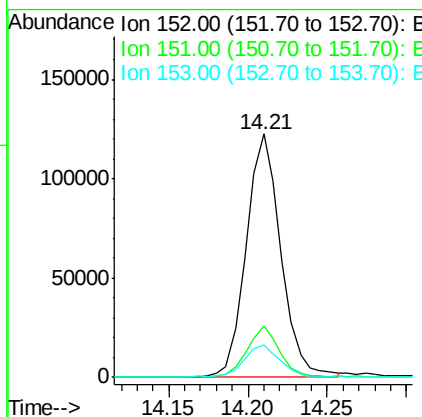
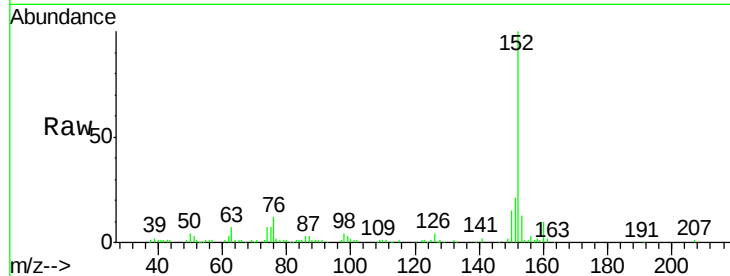
ClientSampleId :

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Tgt Ion:	152	Resp:	185777
Ion Ratio		Lower	Upper
152	100		
151	21.1	17.5	26.3
153	13.1	10.6	16.0

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#9

Acenaphthene

Concen: 1.34 ng/ul

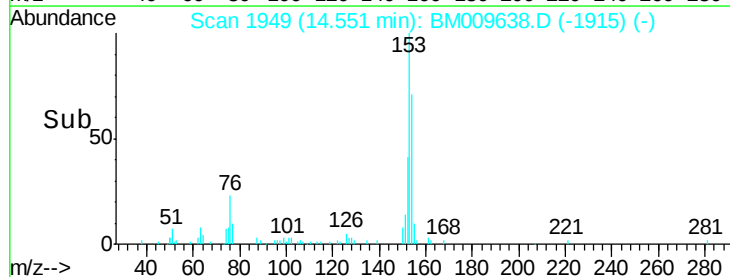
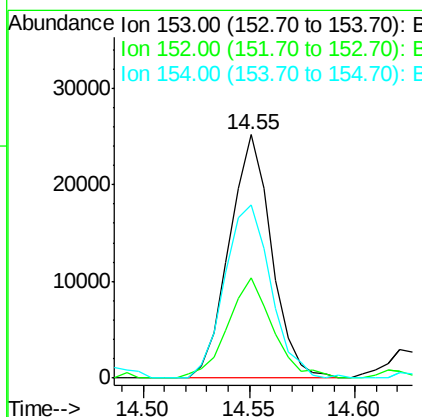
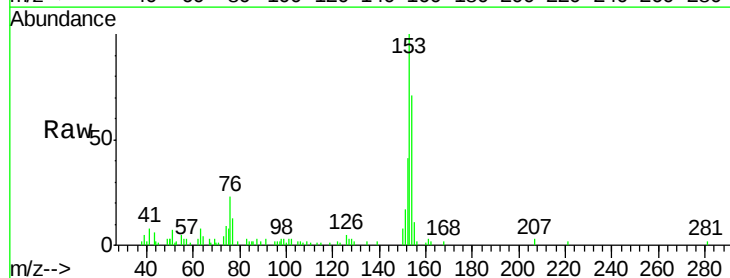
RT: 14.55 min Scan# 1949

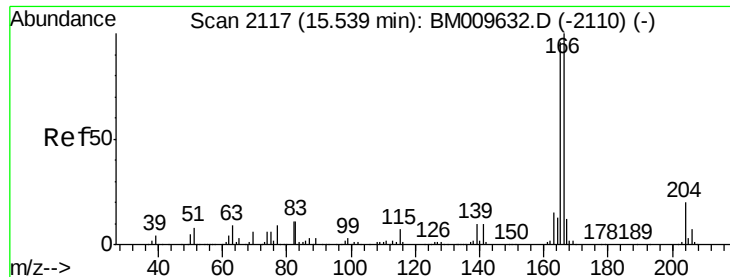
Delta R.T. 0.00 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Tgt Ion:	153	Resp:	34949
Ion Ratio		Lower	Upper
153	100		
152	41.1	37.9	56.9
154	71.2	71.6	107.4#





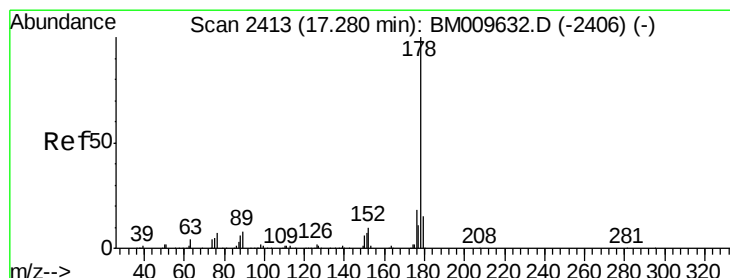
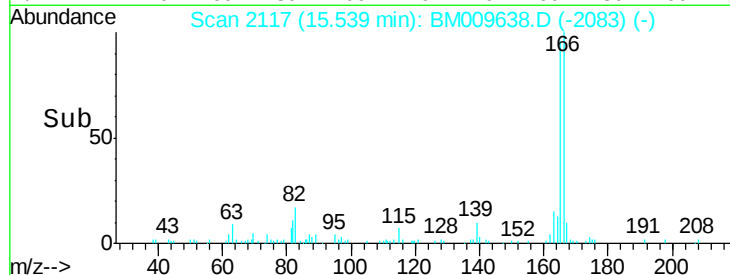
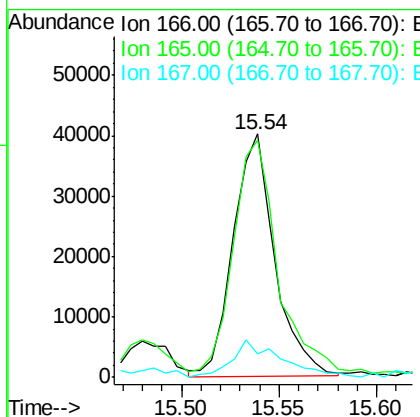
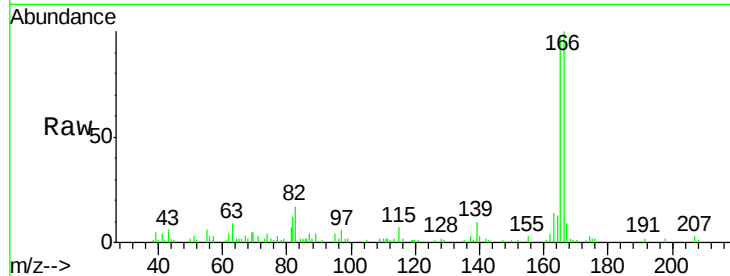
#11
 Fluorene
 Concen: 1.86 ng/ul
 RT: 15.54 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: BM009638.D
 Acq: 07 Apr 2017 20:38

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	80.0	120.0
167	9.4	11.6	17.4

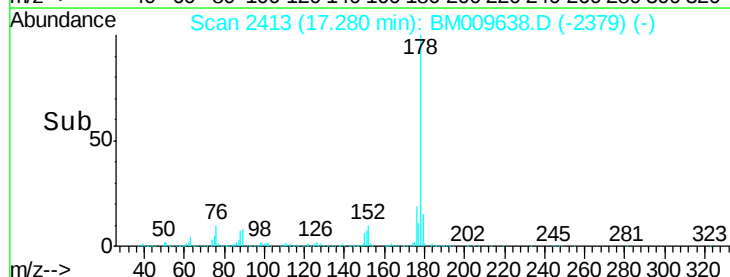
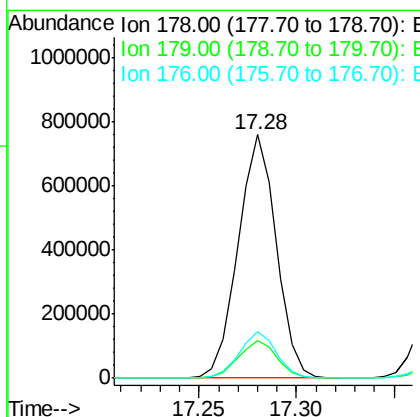
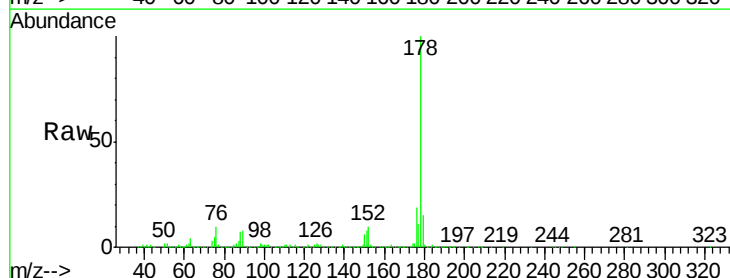
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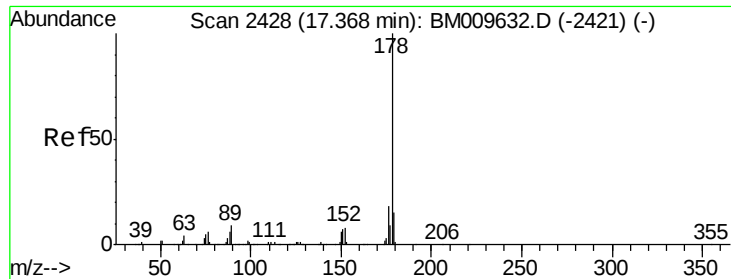
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#14
 Phenanthrene
 Concen: 20.15 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM009638.D
 Acq: 07 Apr 2017 20:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
176	19.1	16.4	24.6





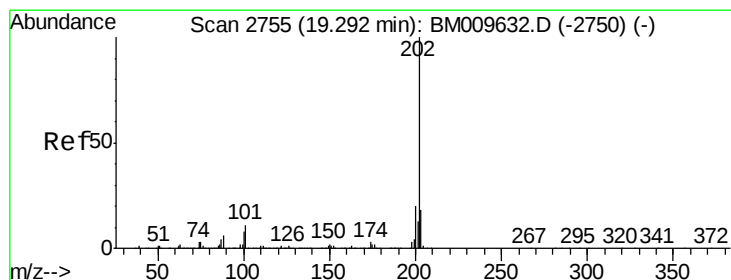
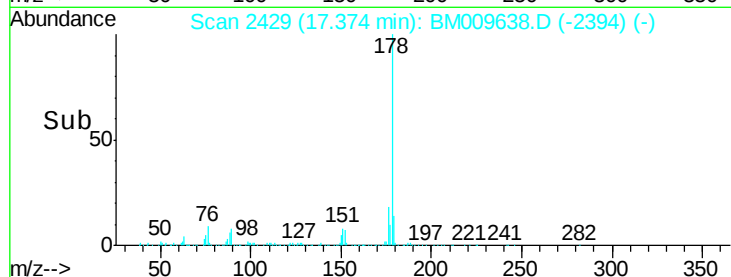
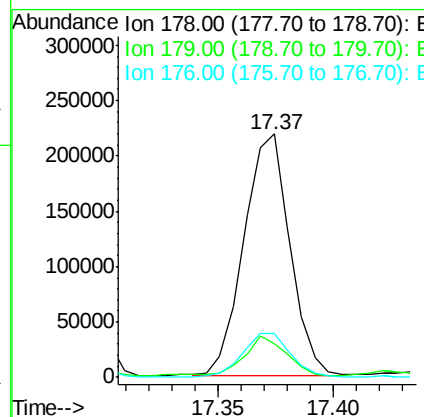
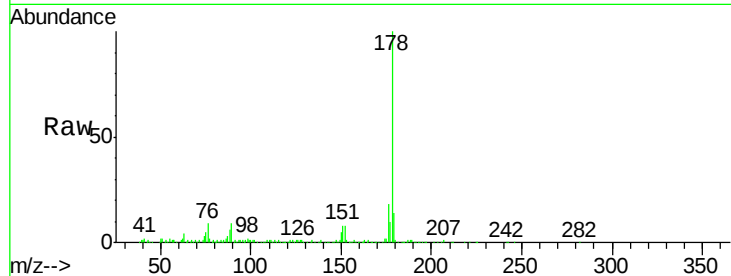
#16
 Anthracene
 Concen: 5.79 ng/ul
 RT: 17.37 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BM009638.D
 Acq: 07 Apr 2017 20:38

Instrument :
 BNA_M
 ClientSampleId :
 CB345

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.0	12.7	19.1
176	18.0	15.8	23.8

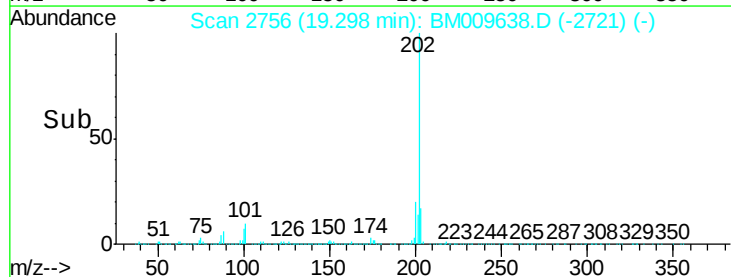
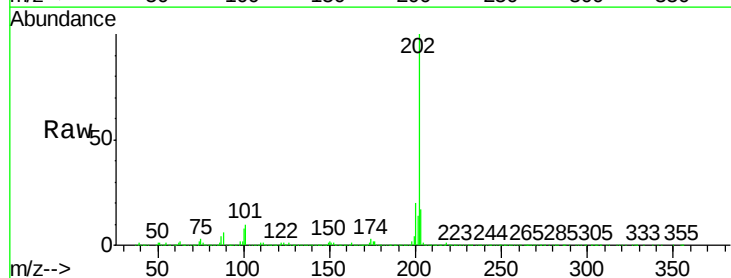
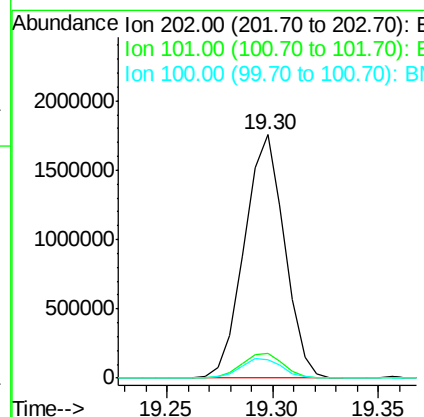
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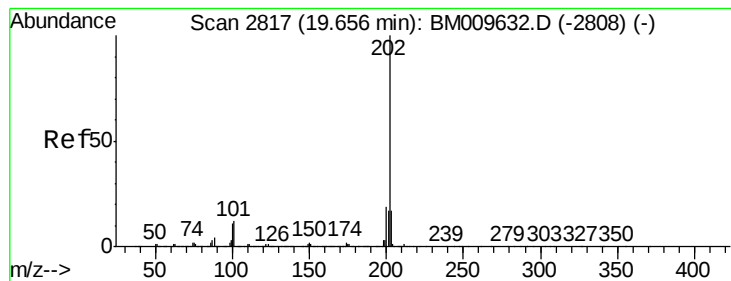
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#17
 Fluoranthene
 Concen: 36.40 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009638.D
 Acq: 07 Apr 2017 20:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	7.5	7.5	11.3





#20

Pyrene

Concen: 36.74 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.01 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Instrument :

BNA_M

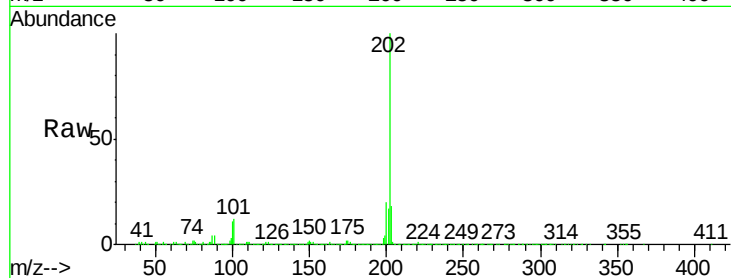
ClientSampleId :

CB345

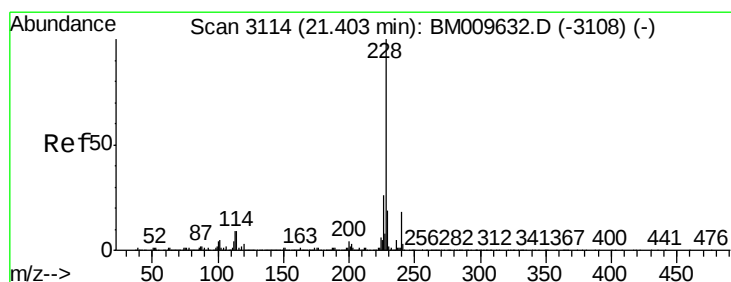
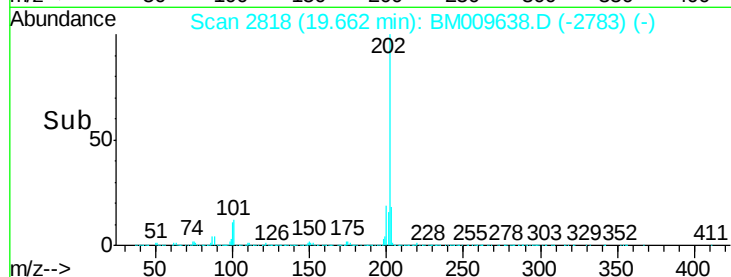
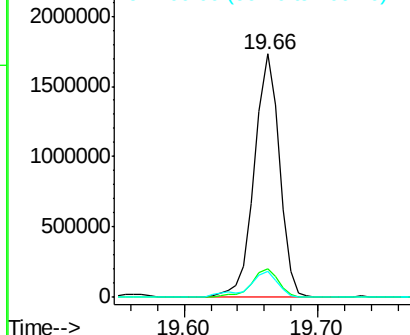
Tgt Ion:	202	Resp:	2236254
Ion	Ratio	Lower	Upper
202	100		
101	11.6	11.2	16.8
100	10.7	9.8	14.6

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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



#21

Benzo(a)anthracene

Concen: 22.17 ng/ul

RT: 21.40 min Scan# 3114

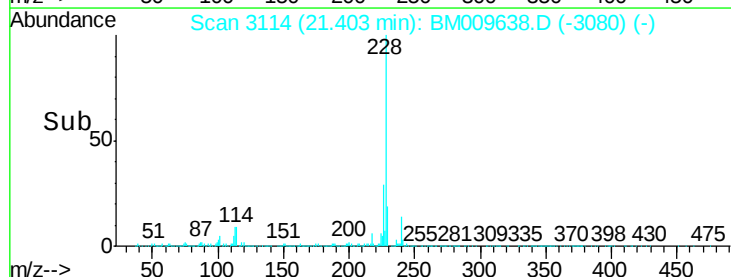
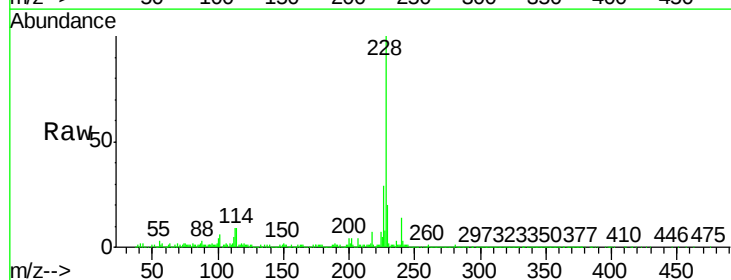
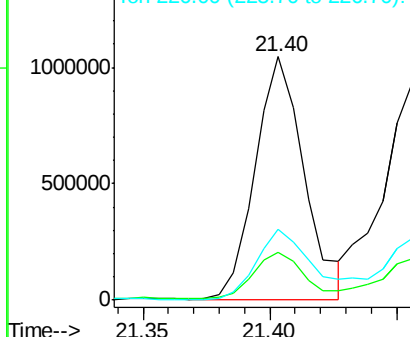
Delta R.T. 0.00 min

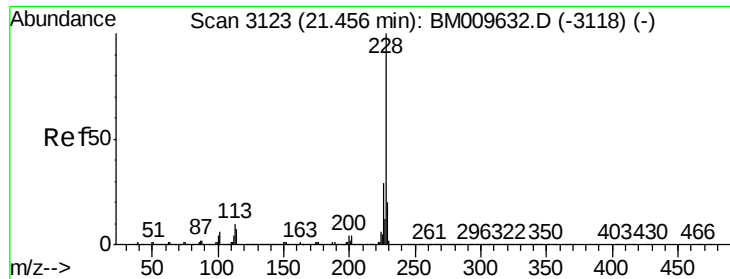
Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Tgt Ion:	228	Resp:	1401430
Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	28.9	22.1	33.1

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





#22

Chrysene

Concen: 22.18 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Instrument :

BNA_M

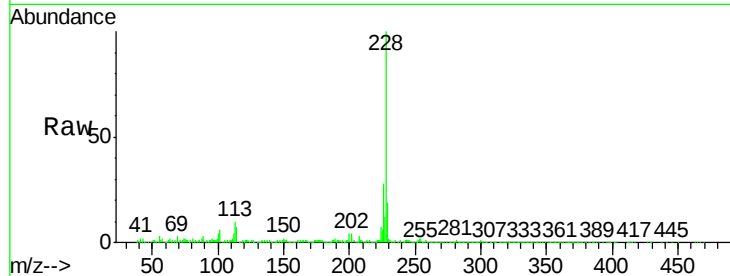
ClientSampleId :

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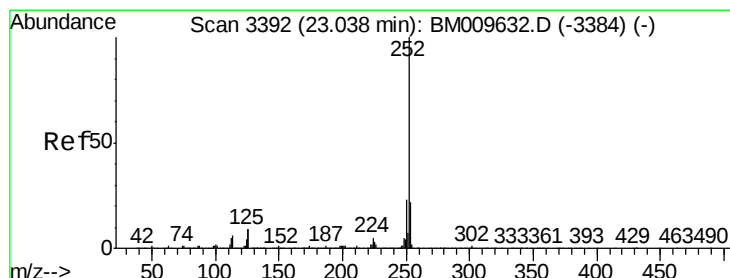
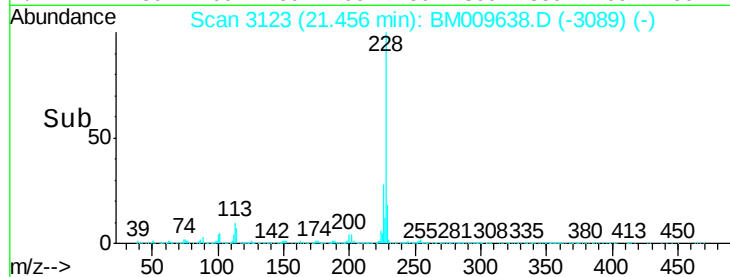
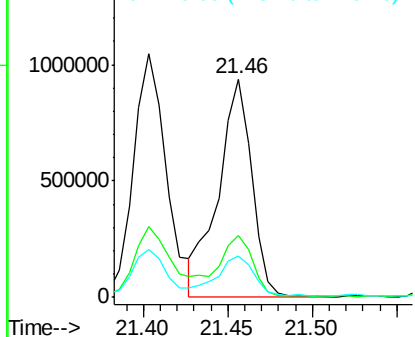
Tgt Ion:	228	Resp:	1285310
Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.0	37.6
229	18.9	16.6	25.0

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



#24

Benzo(b)fluoranthene

Concen: 35.29 ng/ul

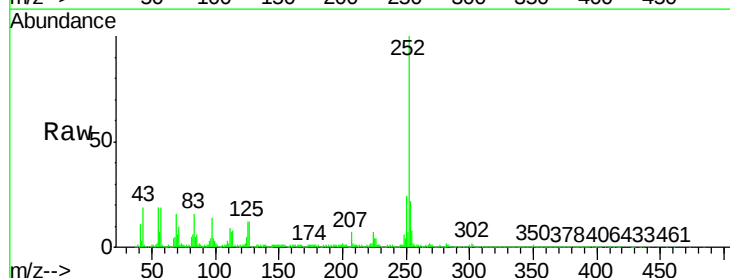
RT: 23.04 min Scan# 3393

Delta R.T. 0.01 min

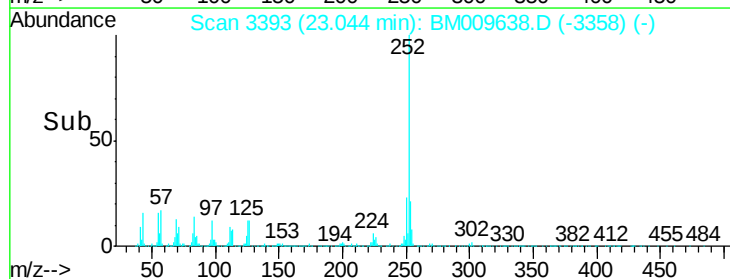
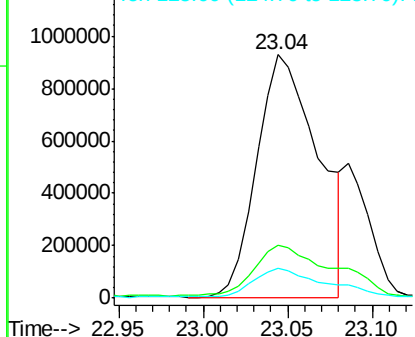
Lab File: BM009638.D

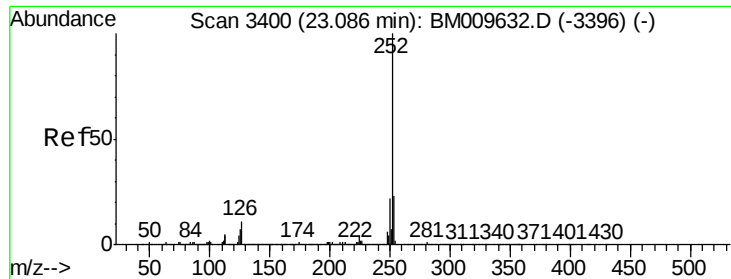
Acq: 07 Apr 2017 20:38

Tgt Ion:	252	Resp:	2325672
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	12.3	9.4	14.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





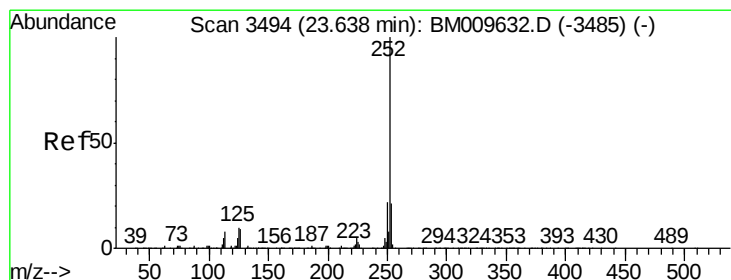
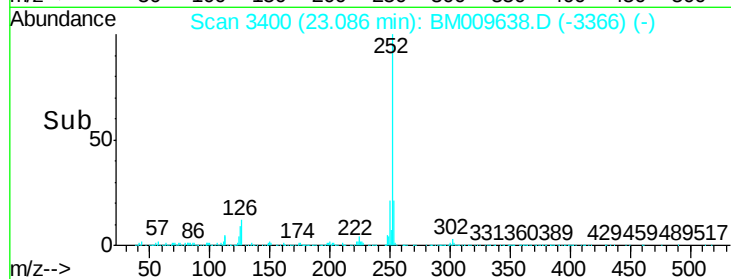
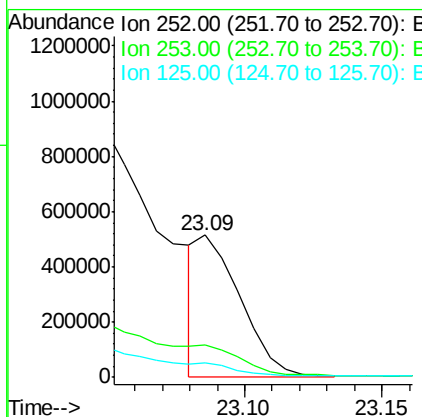
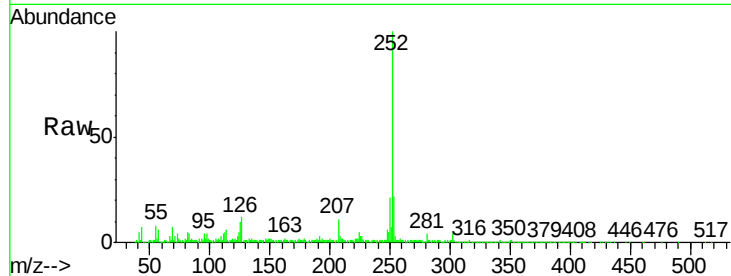
#25
Benzo(k)fluoranthene
Concen: 8.82 ng/ul m
RT: 23.09 min Scan# 3400
Delta R.T. 0.00 min
Lab File: BM009638.D
Acq: 07 Apr 2017 20:38

Instrument :
BNA_M
ClientSampleId :
CB345

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	9.9	8.8	13.2

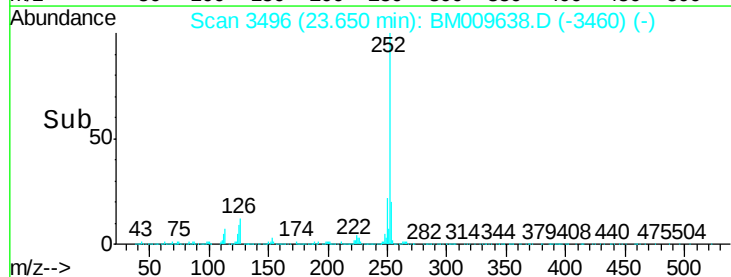
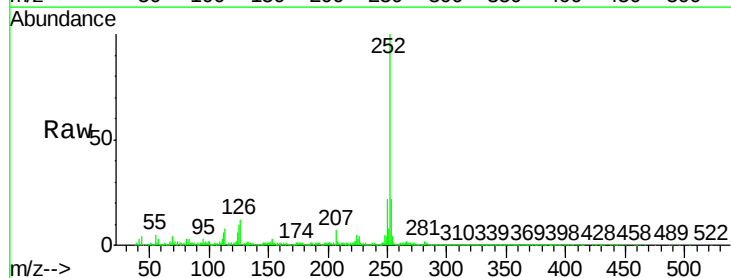
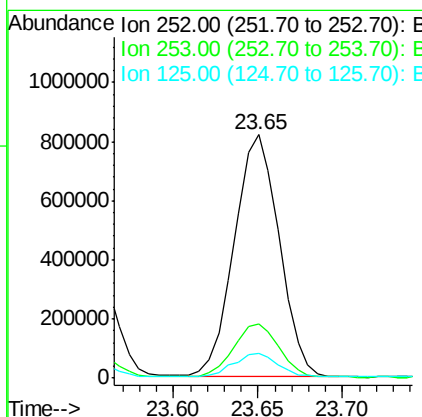
Manual Integrations
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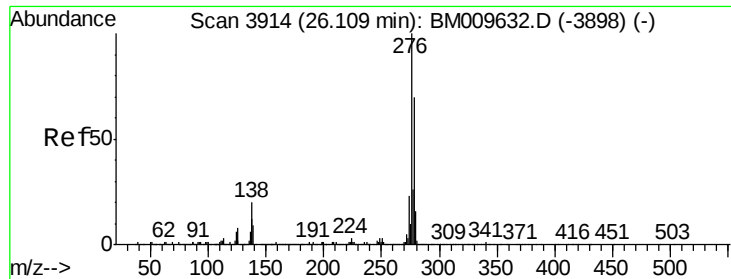
mohammad
4/10/2017 1:24:15 PM



#27
Benzo(a)pyrene
Concen: 24.16 ng/ul
RT: 23.65 min Scan# 3496
Delta R.T. 0.01 min
Lab File: BM009638.D
Acq: 07 Apr 2017 20:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.9	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 17.72 ng/ul

RT: 26.12 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Instrument :

BNA_M

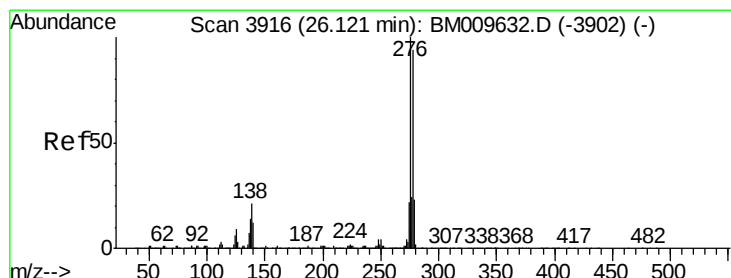
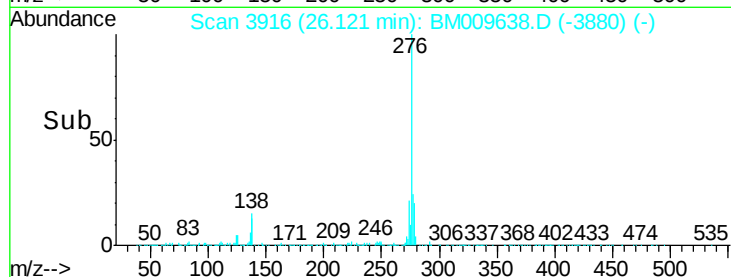
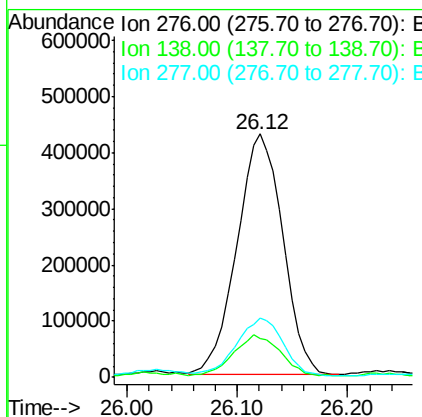
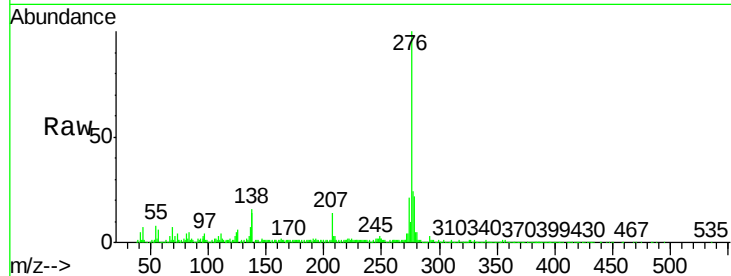
ClientSampleId :

CB345

Tgt Ion:	276	Resp:	1245111
Ion Ratio		Lower	Upper
276	100		
138	16.0	17.8	26.6#
277	24.1	19.4	29.0

Manual Integrations
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mohammad
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#29

Dibenzo(a,h)anthracene

Concen: 5.75 ng/ul m

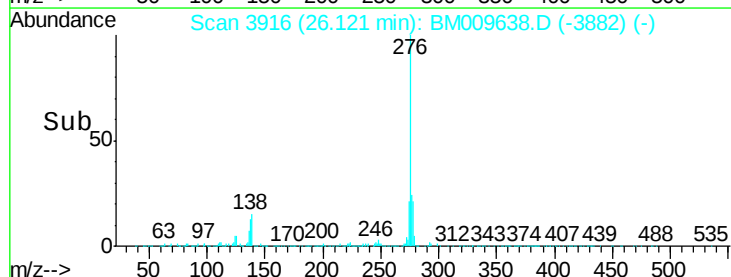
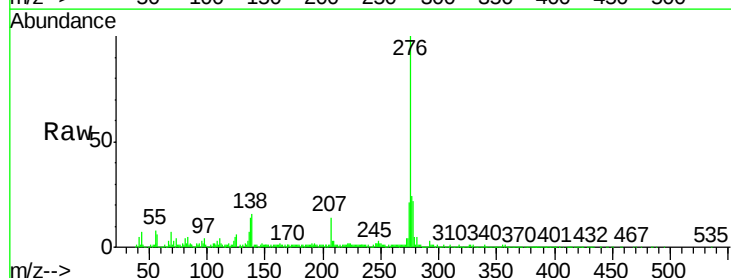
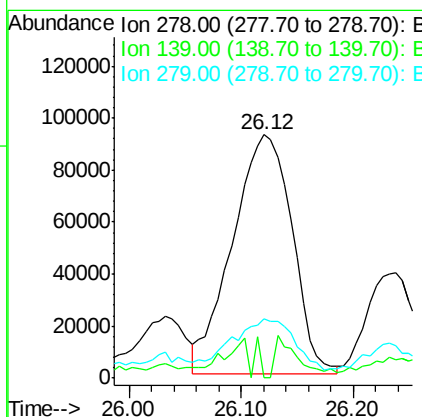
RT: 26.12 min Scan# 3916

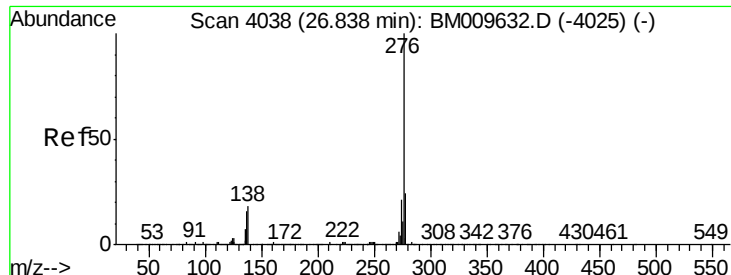
Delta R.T. 0.00 min

Lab File: BM009638.D

Acq: 07 Apr 2017 20:38

Tgt Ion:	278	Resp:	343431
Ion Ratio		Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	24.3	20.6	31.0





#30
 Benzo(g,h,i)perylene
 Concen: 19.47 ng/ul
 RT: 26.86 min Scan# 4041
 Delta R.T. 0.02 min
 Lab File: BM009638.D
 Acq: 07 Apr 2017 20:38

Instrument :
 BNA_M
 ClientSampleId :
 CB345

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	19.0	28.4#
277	25.1	19.7	29.5

Manual Integrations
 APPROVED

mohammad
 4/10/2017 1:24:15 PM

