

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009615.D
 Acq On : 07 Apr 2017 03:59
 Operator : SJ/MA
 Sample : I2525-22
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB372

Manual Integrations
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mohammad
 4/7/2017 2:10:56 PM

Quant Time: Apr 07 04:42:06 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	183988	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	719284	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	417571	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	957534	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1211853	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1171006	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	360399	32.59	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1458340	35.64	ng/ul	0.00
10) Fluorene-d10	15.48	176	1026392	34.87	ng/ul	0.00
15) Anthracene-d10	17.34	188	1624636	35.46	ng/ul	0.00
19) Pyrene-d10	19.63	212	1897859	38.11	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1869122	36.15	ng/ul	0.01
Target Compounds						
						Qvalue
4) Naphthalene	10.69	128	40248	1.09	ng/ul#	94
8) Acenaphthylene	14.21	152	76584	1.87	ng/ul	96
9) Acenaphthene	14.55	153	91165	3.23	ng/ul	96
11) Fluorene	15.53	166	101572	2.94	ng/ul	95
14) Phenanthrene	17.28	178	2117682	39.34	ng/ul	98
16) Anthracene	17.37	178	443127	7.96	ng/ul	97
17) Fluoranthene	19.30	202	3621190	54.01	ng/ul	97
20) Pyrene	19.66	202	3282655	49.75	ng/ul	95
21) Benzo(a)anthracene	21.40	228	1879468	27.43	ng/ul	100
22) Chrysene	21.46	228	1708829	27.21	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	2227045	30.75	ng/ul	99
25) Benzo(k)fluoranthene	23.08	252	708331m	10.27	ng/ul	
27) Benzo(a)pyrene	23.64	252	1564876m	22.73	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.11	276	1050223	13.60	ng/ul#	95
29) Dibenzo(a,h)anthracene	26.11	278	287225	4.38	ng/ul	95
30) Benzo(g,h,i)perylene	26.85	276	941782	14.80	ng/ul#	92

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

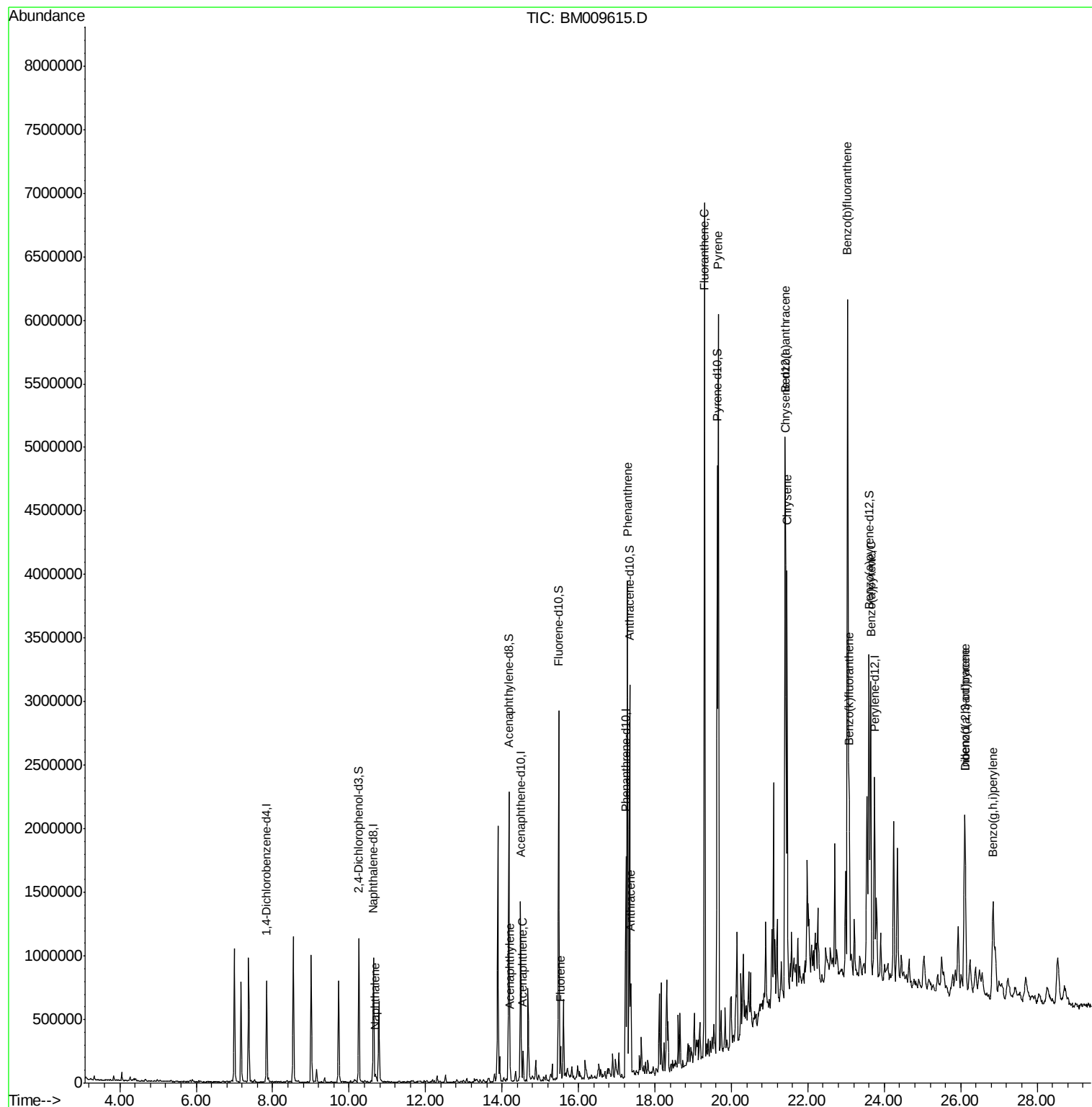
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009615.D
Acq On : 07 Apr 2017 03:59
Operator : SJ/MA
Sample : I2525-22
Misc :
ALS Vial : 32 Sample Multiplier: 1

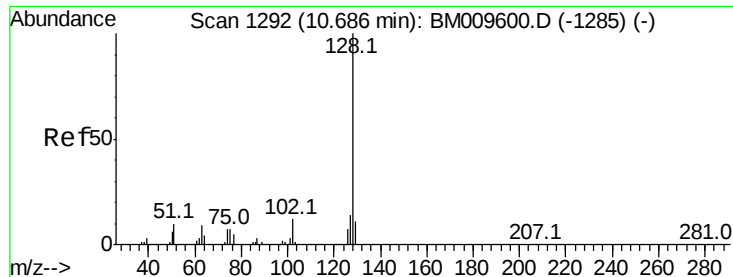
Instrument :
BNA_M
ClientSampled :
CB372

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Quant Time: Apr 07 04:42:06 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.09 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Instrument :

BNA_M

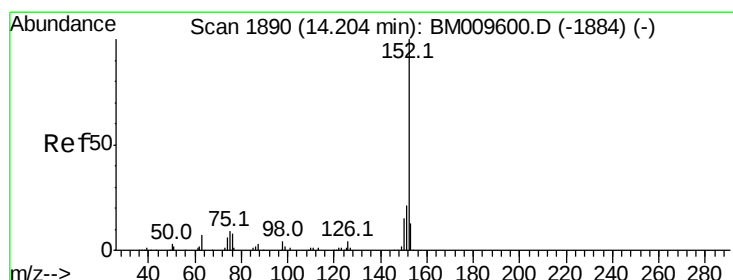
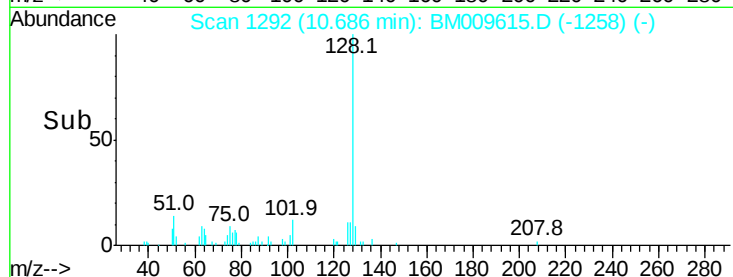
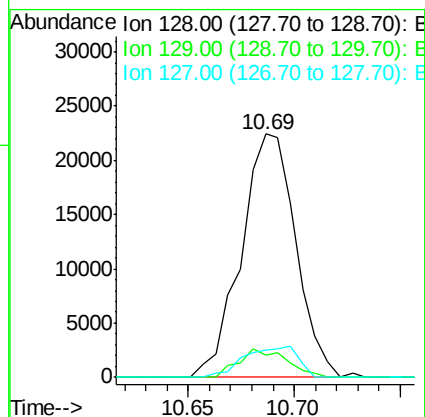
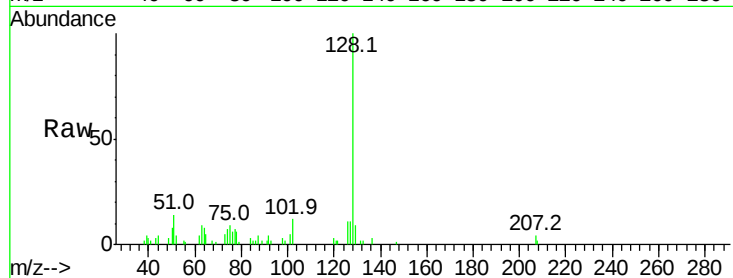
ClientSampleId :

CB372

Tot Ion:	128	Resp:	40248
Ion Ratio	Lower	Upper	
128	100		
129	9.0	9.1	13.7#
127	11.2	10.6	15.8

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#8

Acenaphthylene

Concen: 1.87 ng/ul

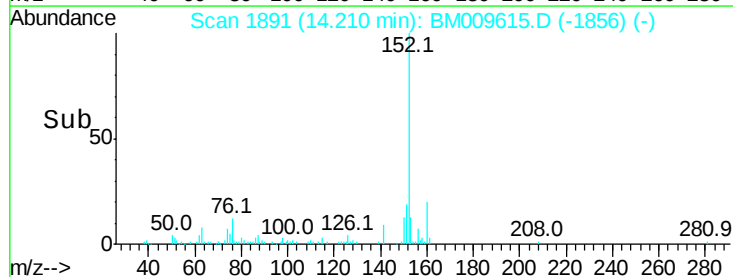
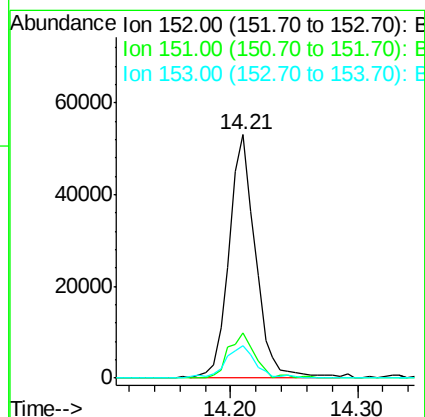
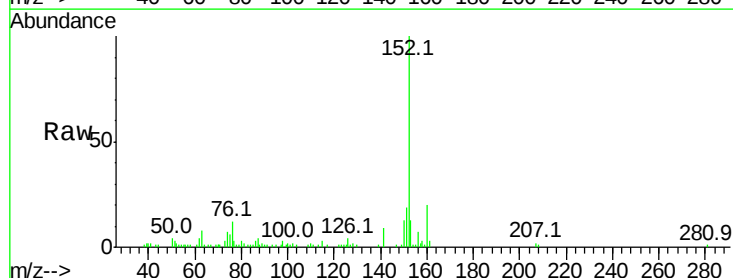
RT: 14.21 min Scan# 1891

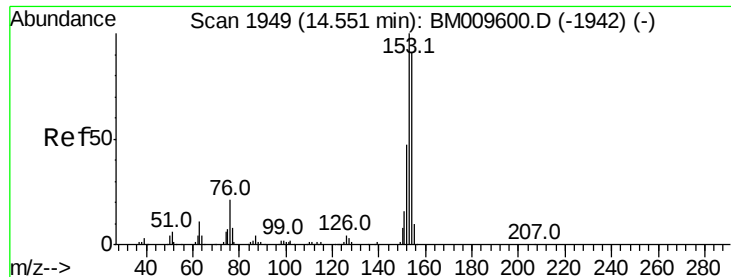
Delta R.T. 0.01 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Tgt Ion:	152	Resp:	76584
Ion Ratio	Lower	Upper	
152	100		
151	18.8	17.5	26.3
153	13.1	10.6	16.0





#9

Acenaphthene

Concen: 3.23 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Instrument :

BNA_M

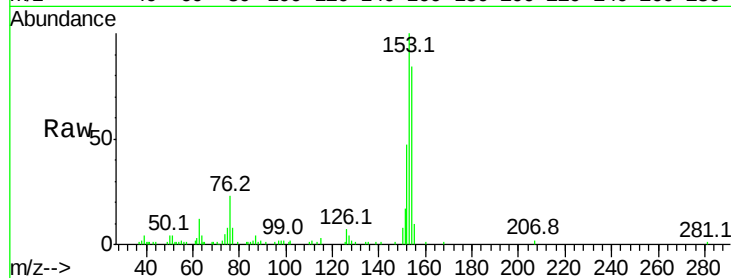
ClientSampleId :

CB372

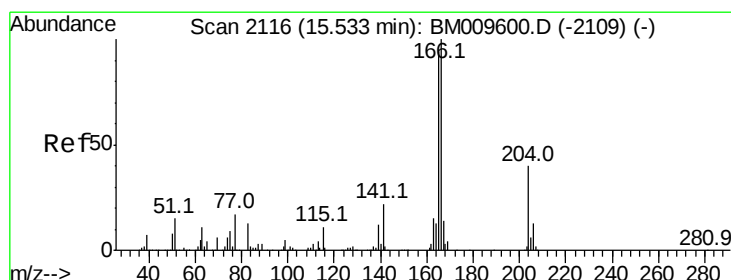
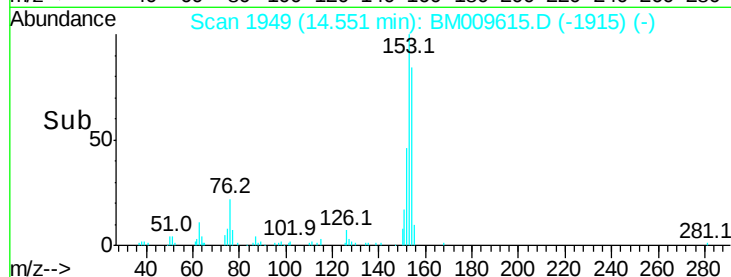
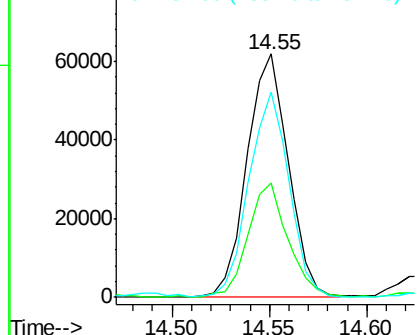
Tot Ion:153	Resp:	91165
Ion Ratio	Lower	Upper
153	100	
152	47.2	37.9 56.9
154	84.2	71.6 107.4

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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: 2.94 ng/ul

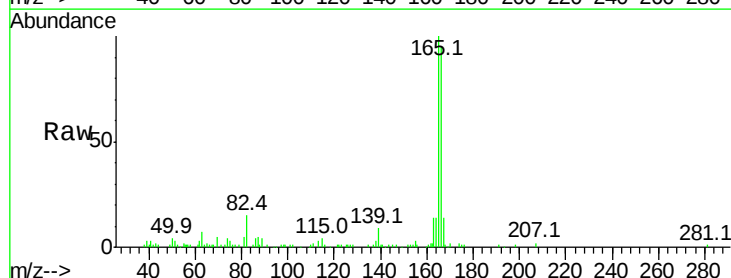
RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

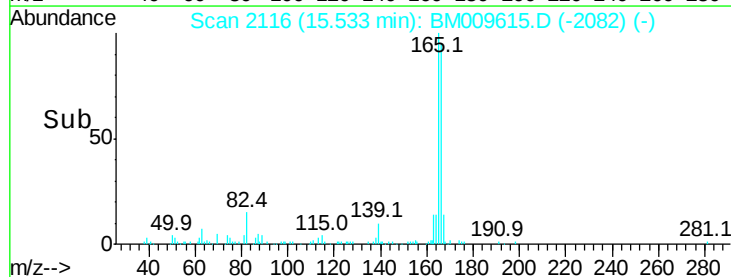
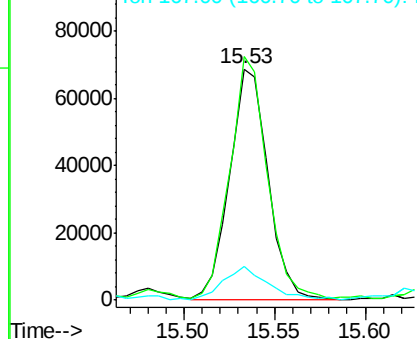
Lab File: BM009615.D

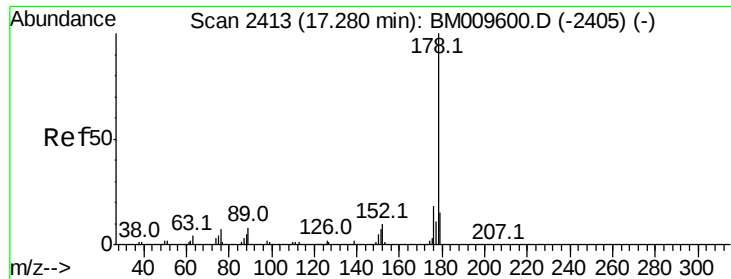
Acq: 07 Apr 2017 03:59

Tgt Ion:166	Resp:	101572
Ion Ratio	Lower	Upper
166	100	
165	105.4	80.0 120.0
167	14.6	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





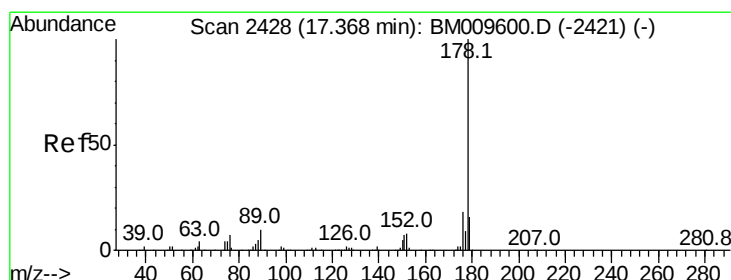
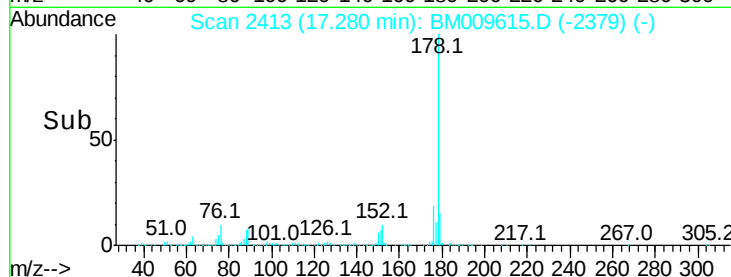
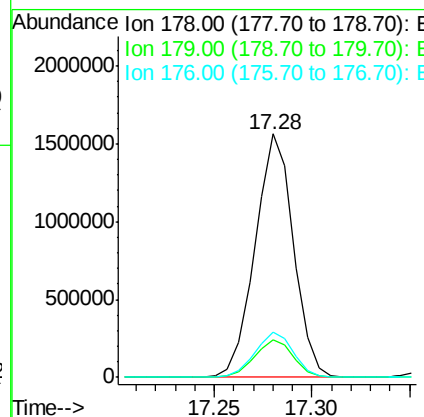
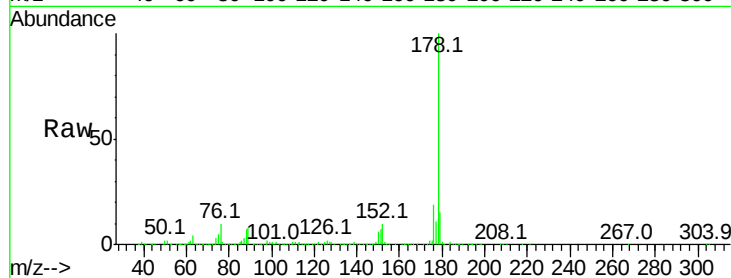
#14
Phenanthrene
Concen: 39.34 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009615.D
Acq: 07 Apr 2017 03:59

Instrument :
BNA_M
ClientSampleId :
CB372

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	18.5	16.4	24.6

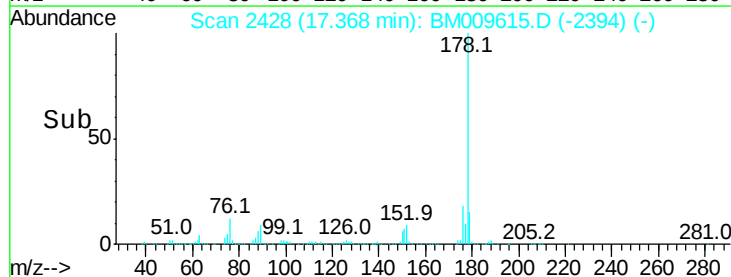
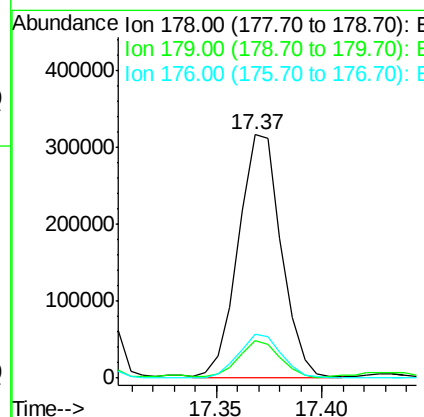
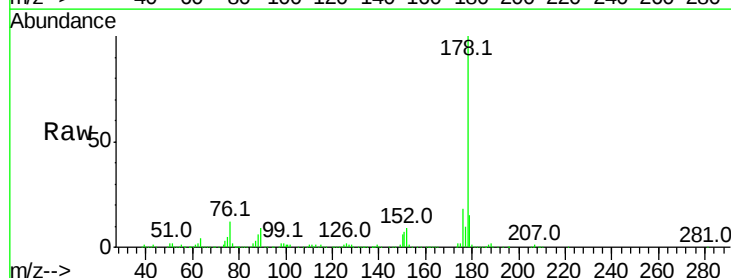
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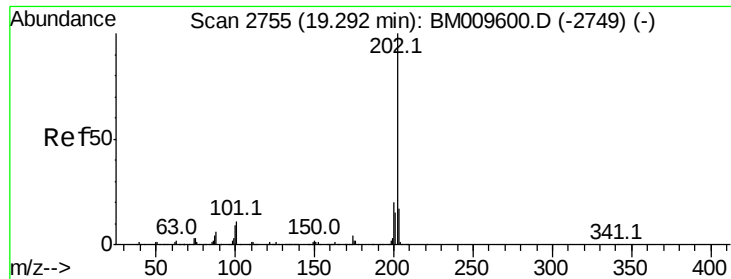
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#16
Anthracene
Concen: 7.96 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009615.D
Acq: 07 Apr 2017 03:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.7	19.1
176	17.9	15.8	23.8





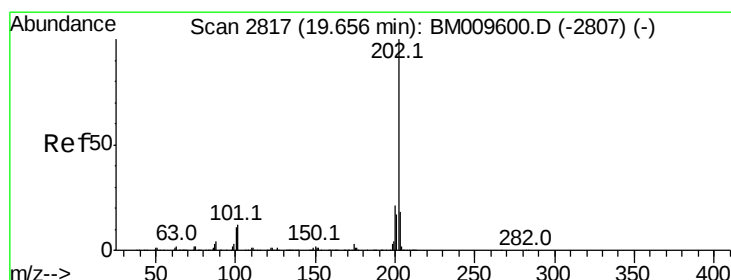
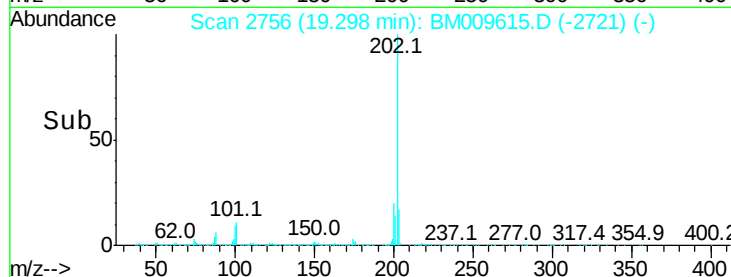
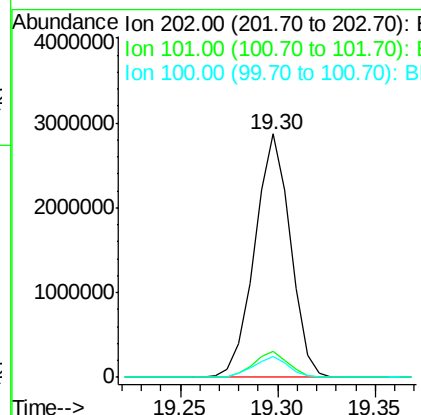
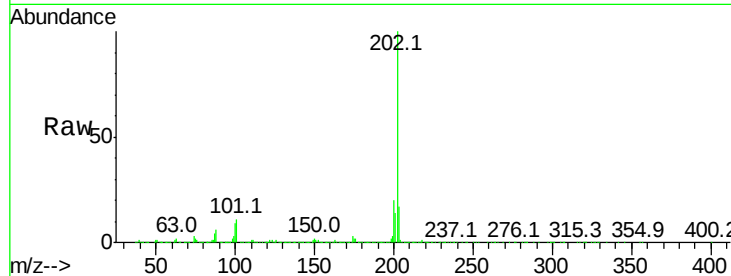
#17
 Fluoranthene
 Concen: 54.01 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009615.D
 Acq: 07 Apr 2017 03:59

Instrument :
 BNA_M
 ClientSampled :
 CB372

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.8	14.8
100	8.7	7.5	11.3

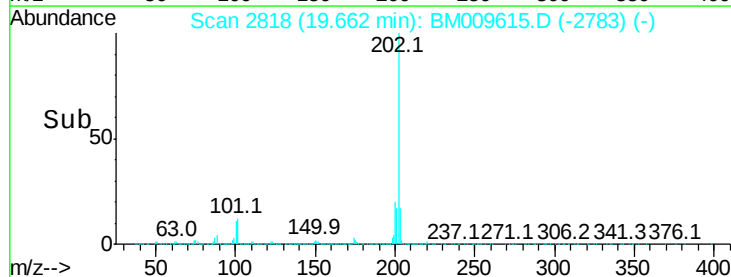
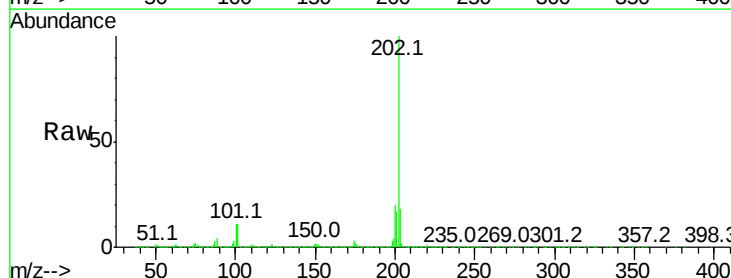
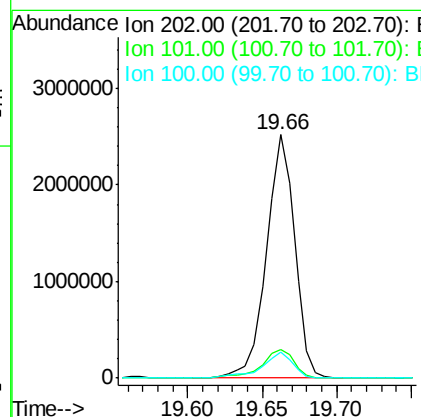
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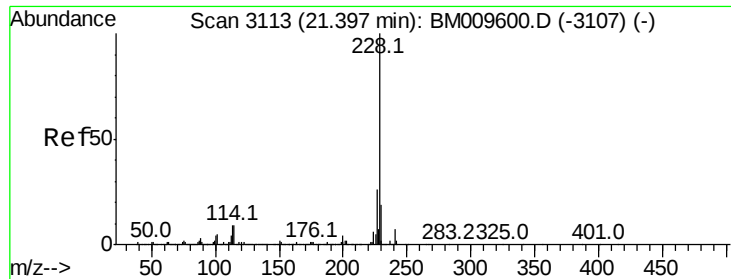
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#20
 Pyrene
 Concen: 49.75 ng/ul
 RT: 19.66 min Scan# 2818
 Delta R.T. 0.01 min
 Lab File: BM009615.D
 Acq: 07 Apr 2017 03:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	11.2	16.8
100	10.8	9.8	14.6





#21

Benzo(a)anthracene

Concen: 27.43 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Instrument :

BNA_M

ClientSampleId :

CB372

Tot Ion:228 Resp: 1879468

Ion Ratio Lower Upper

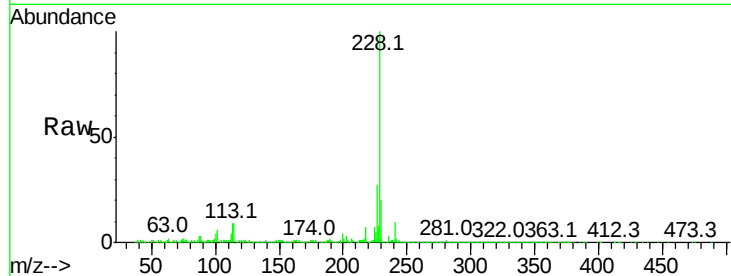
228 100

229 19.7 15.9 23.9

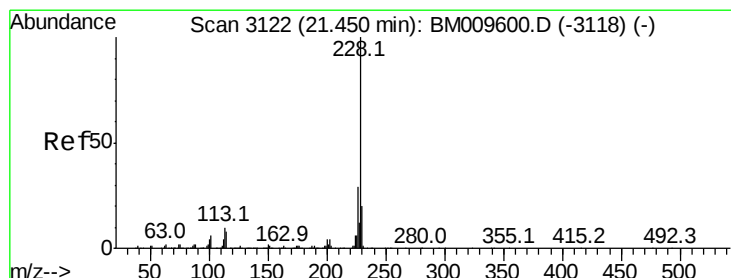
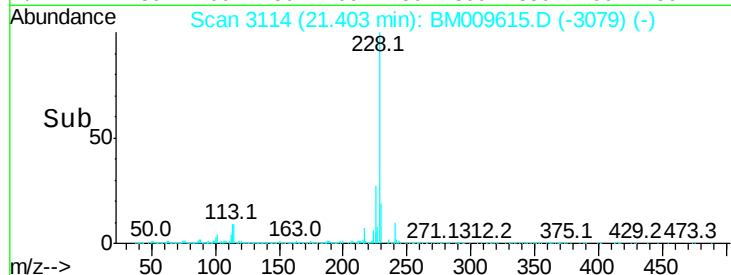
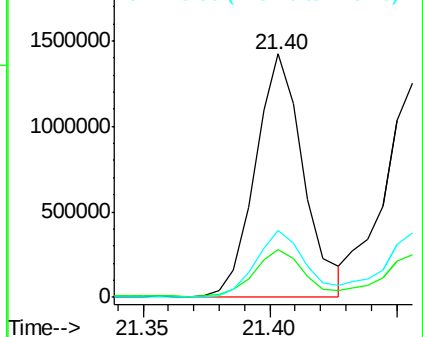
226 27.3 22.1 33.1

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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: 27.21 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

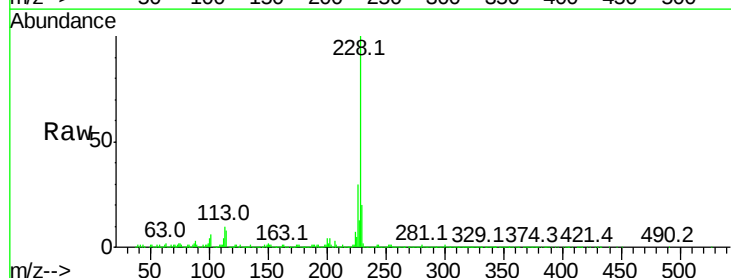
Tgt Ion:228 Resp: 1708829

Ion Ratio Lower Upper

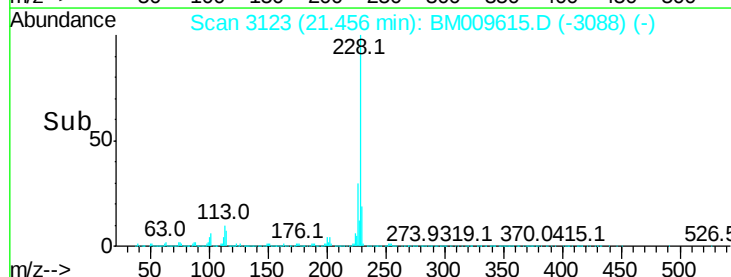
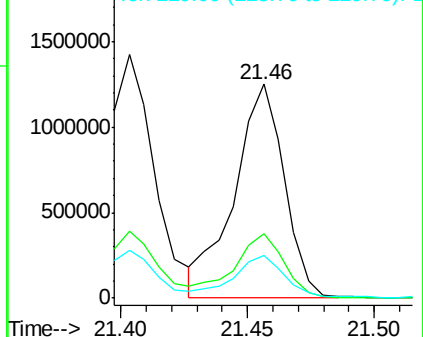
228 100

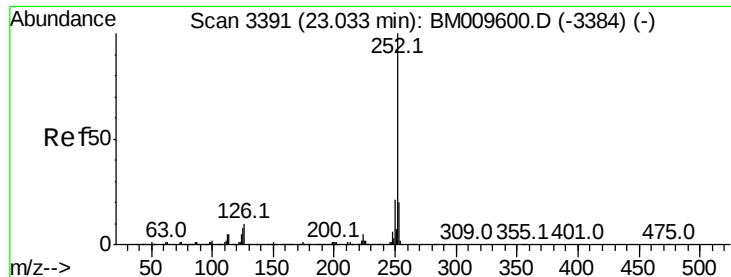
226 30.2 25.0 37.6

229 19.9 16.6 25.0



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





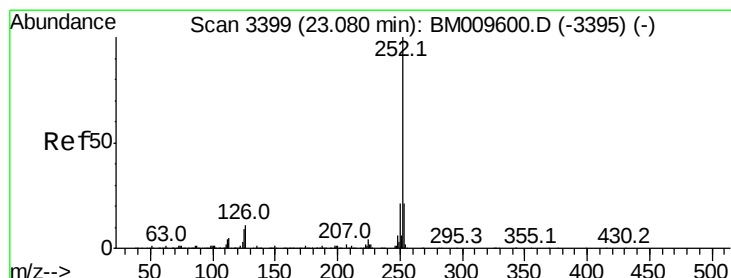
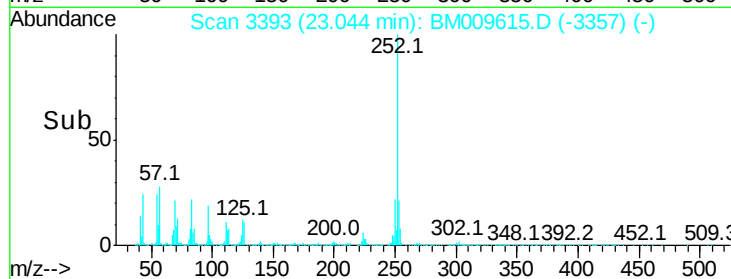
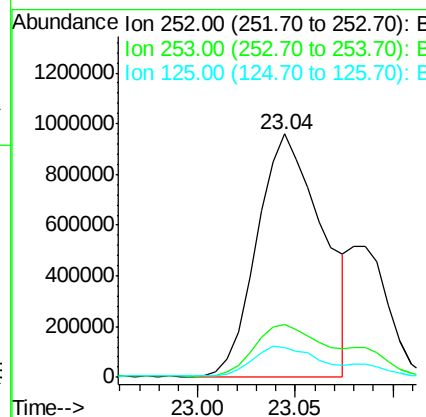
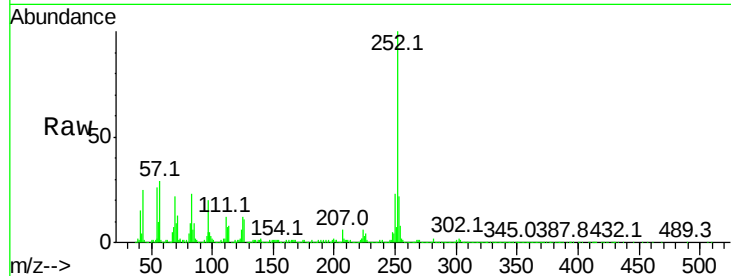
#24
Benzo(b)fluoranthene
Concen: 30.75 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. 0.01 min
Lab File: BM009615.D
Acq: 07 Apr 2017 03:59

Instrument :
BNA_M
ClientSampleId :
CB372

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	12.2	9.4	14.0

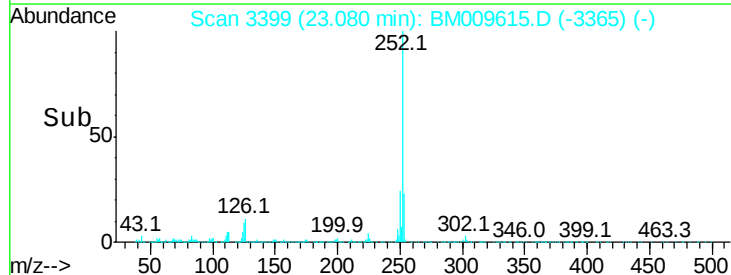
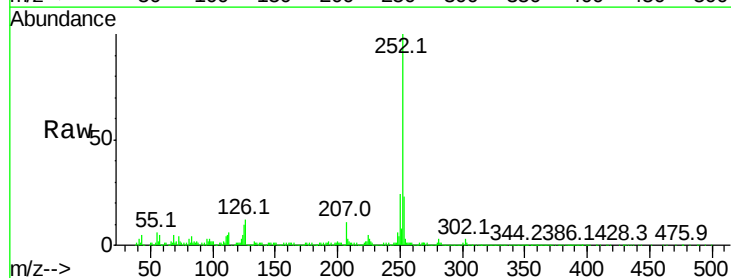
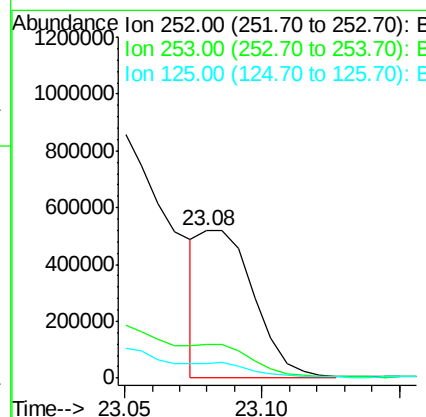
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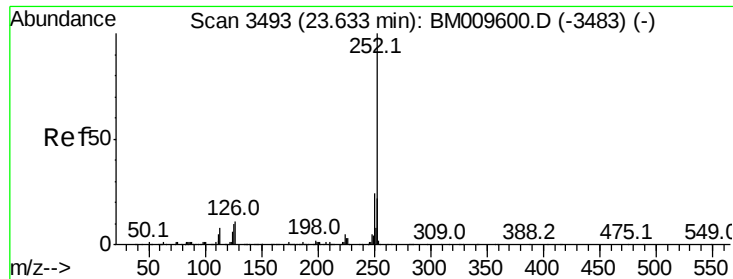
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#25
Benzo(k)fluoranthene
Concen: 10.27 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. 0.00 min
Lab File: BM009615.D
Acq: 07 Apr 2017 03:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.6	8.8	13.2





#27

Benzo(a)pyrene

Concen: 22.73 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Instrument :

BNA_M

ClientSampleId :

CB372

Tot Ion:252 Resp: 1564876

Ion Ratio Lower Upper

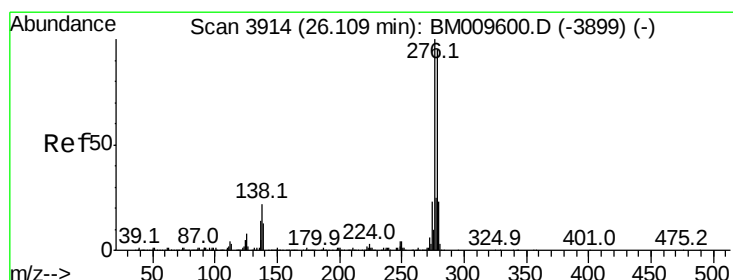
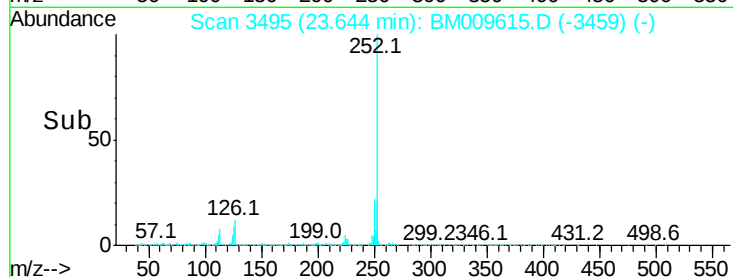
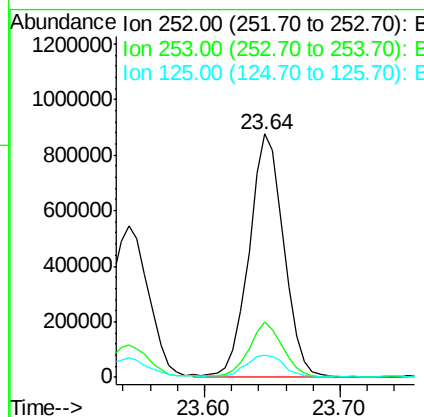
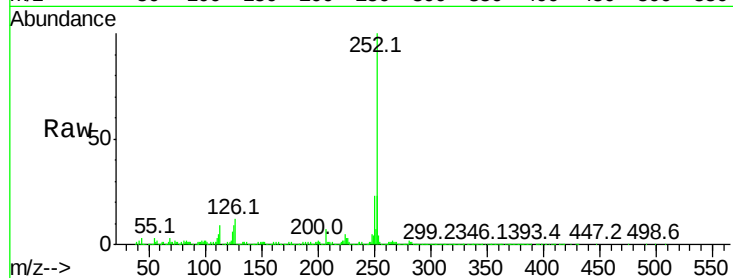
252 100

253 22.6 17.1 25.7

125 9.1 9.4 14.2#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 13.60 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

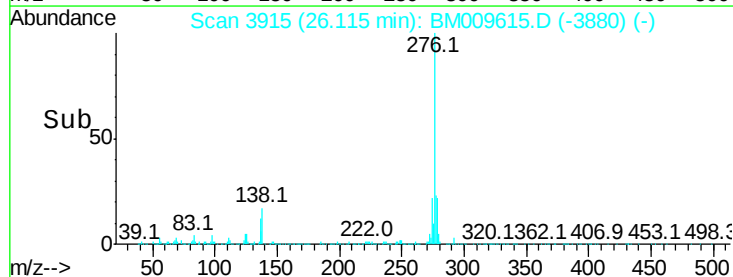
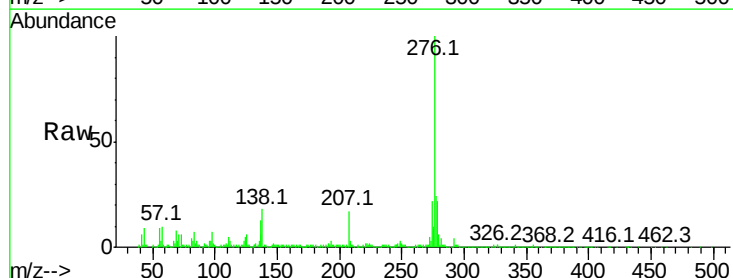
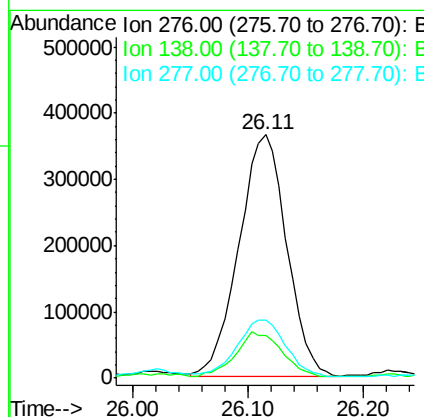
Tgt Ion:276 Resp: 1050223

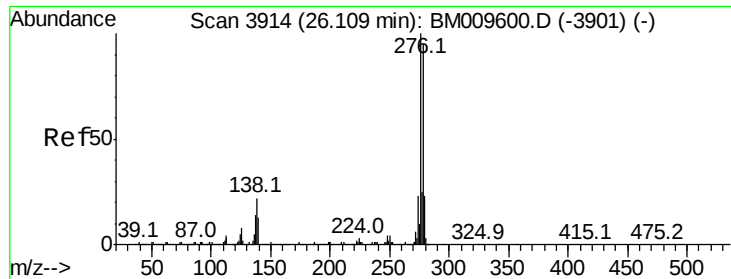
Ion Ratio Lower Upper

276 100

138 17.7 17.8 26.6#

277 23.7 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 4.38 ng/ul

RT: 26.11 min Scan# 3914

Delta R.T. 0.00 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Instrument :

BNA_M

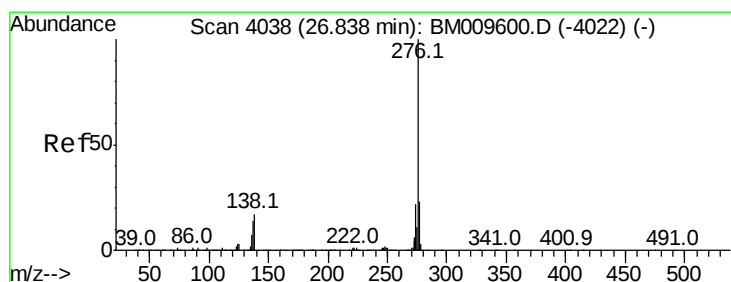
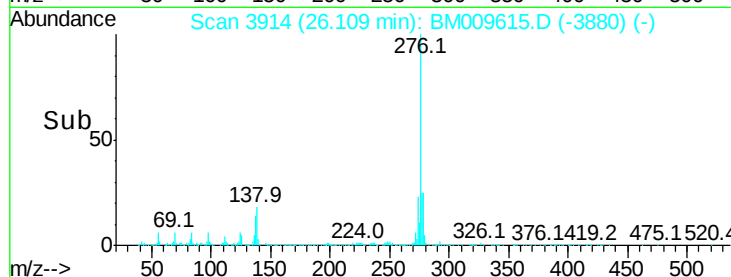
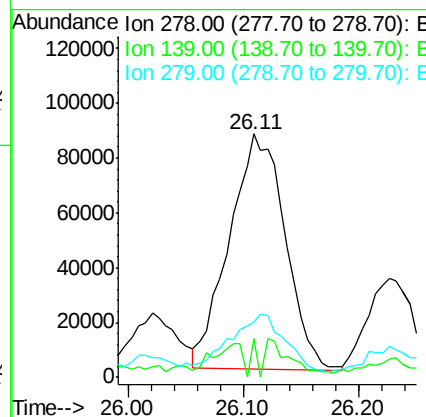
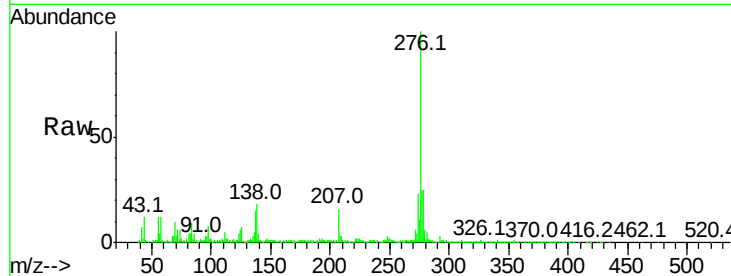
ClientSampleId :

CB372

Tot Ion:	278	Resp:	287225
Ion Ratio	Lower	Upper	
278	100		
139	15.7	14.0	21.0
279	22.7	20.6	31.0

Manual Integrations
APPROVED

mohammad
4/7/2017 2:10:56 PM



#30

Benzo(g,h,i)perylene

Concen: 14.80 ng/ul

RT: 26.85 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BM009615.D

Acq: 07 Apr 2017 03:59

Tgt Ion:	276	Resp:	941782
Ion Ratio	Lower	Upper	
276	100		
138	16.7	19.0	28.4#
277	25.6	19.7	29.5

