

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009608.D
 Acq On : 06 Apr 2017 23:47
 Operator : SJ/MA
 Sample : I2525-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB349

Manual Integrations
 APPROVED

mohammad
 4/7/2017 2:10:32 PM

Quant Time: Apr 07 03:44:48 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	158018	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	623249	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	360653	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	830578	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1088331	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1027286	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	302673	31.58	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1242104	35.14	ng/ul	0.00
10) Fluorene-d10	15.48	176	880689	34.64	ng/ul	0.00
15) Anthracene-d10	17.33	188	1415463	35.62	ng/ul	0.00
19) Pyrene-d10	19.63	212	1702734	38.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1699142	37.46	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.68	128	54350	1.70	ng/ul	98
5) 2-Methylnaphthalene	12.30	142	27963	1.20	ng/ul	98
8) Acenaphthylene	14.20	152	49930	1.41	ng/ul#	91
9) Acenaphthene	14.55	153	77721	3.18	ng/ul	96
11) Fluorene	15.53	166	94985	3.19	ng/ul	98
14) Phenanthrene	17.28	178	1656734	35.48	ng/ul	98
16) Anthracene	17.37	178	351107	7.27	ng/ul	98
17) Fluoranthene	19.29	202	2877563	49.48	ng/ul	96
20) Pyrene	19.66	202	2463749	41.58	ng/ul	97
21) Benzo(a)anthracene	21.40	228	1399648	22.75	ng/ul	98
22) Chrysene	21.45	228	1273428	22.58	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1714073	26.98	ng/ul	99
25) Benzo(k)fluoranthene	23.08	252	564355	9.32	ng/ul	99
27) Benzo(a)pyrene	23.64	252	1199415m	19.86	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.10	276	809638	11.96	ng/ul#	93
29) Dibenzo(a,h)anthracene	26.10	278	205575	3.57	ng/ul	94
30) Benzo(g,h,i)perylene	26.83	276	711321	12.74	ng/ul#	94

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

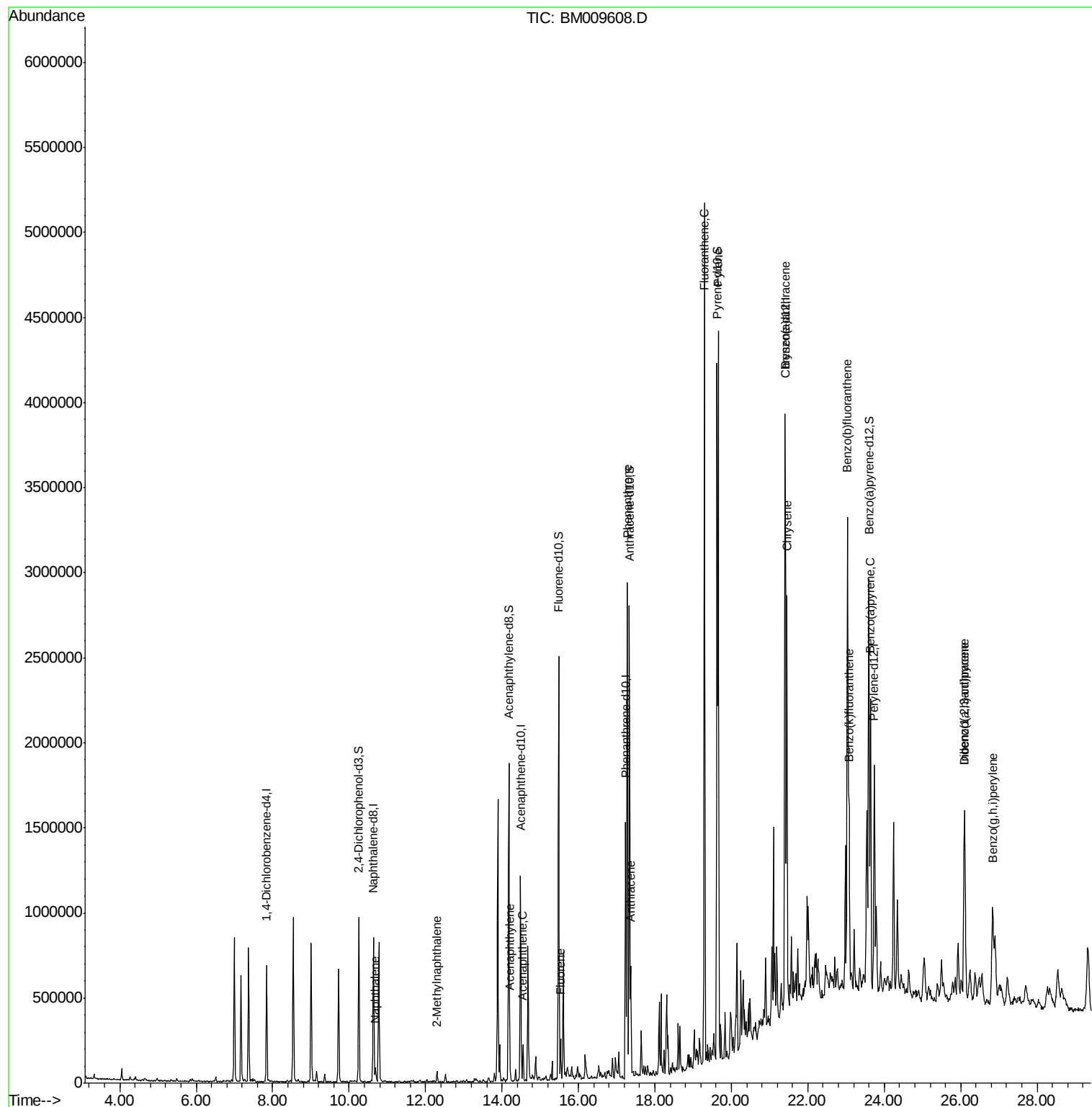
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
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ALS Vial : 25 Sample Multiplier: 1

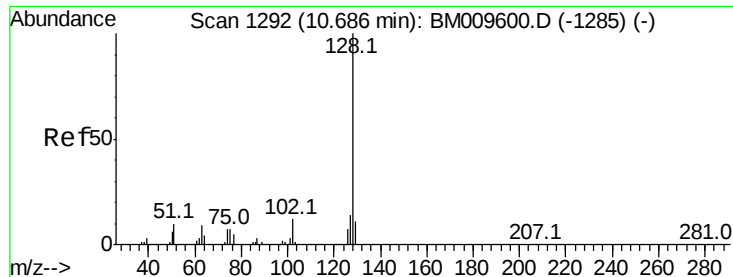
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.70 ng/ul

RT: 10.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

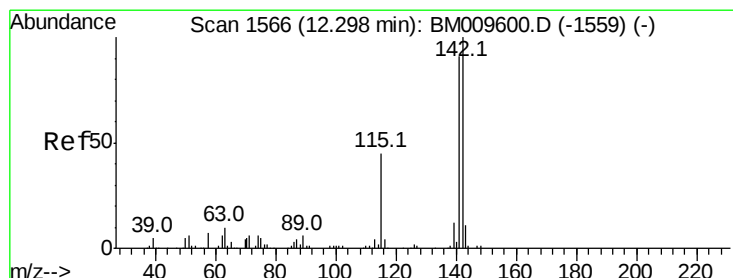
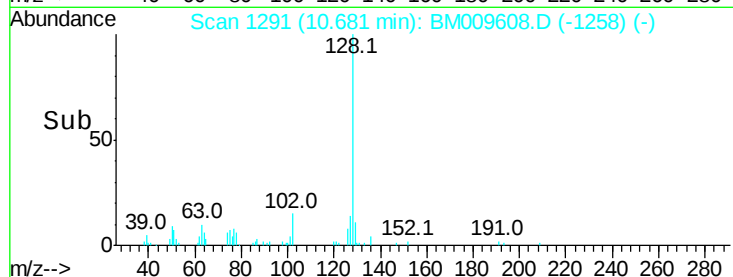
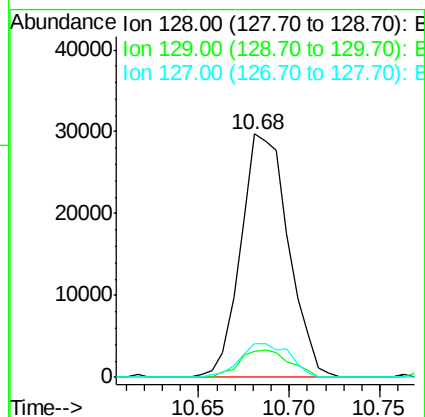
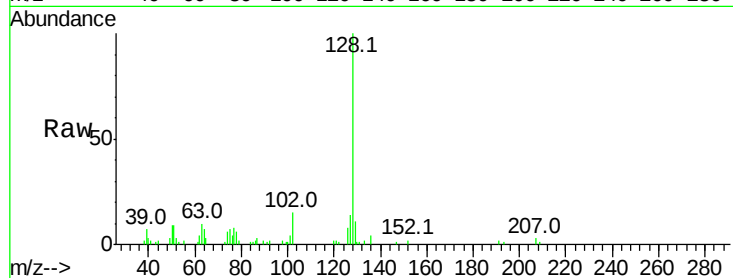
ClientSampled :

CB349

Tot Ion:	128	Resp:	54350
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.1	13.7
127	13.9	10.6	15.8

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#5

2-Methylnaphthalene

Concen: 1.20 ng/ul

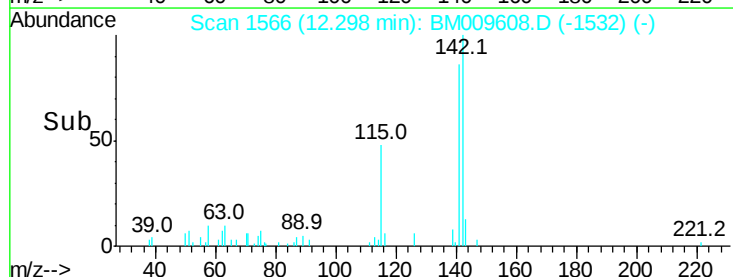
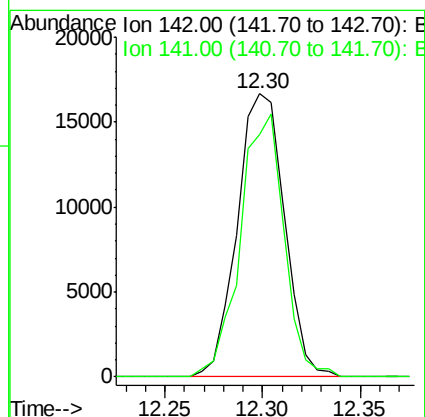
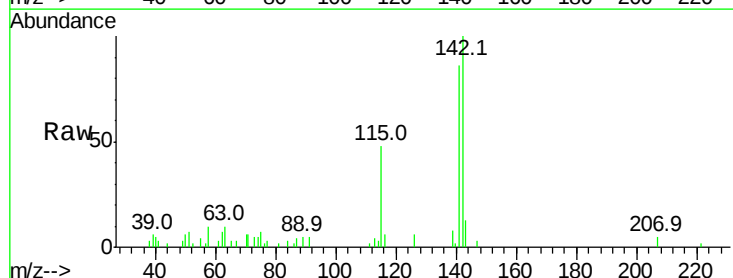
RT: 12.30 min Scan# 1566

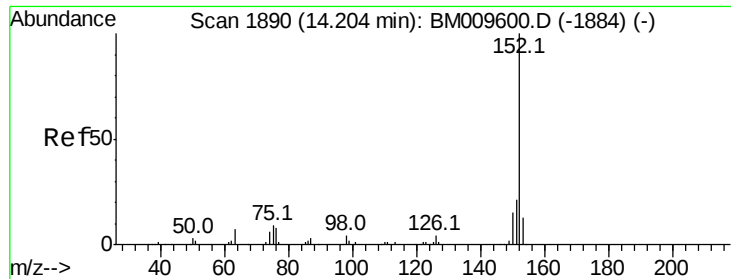
Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Tgt Ion:	142	Resp:	27963
Ion Ratio	Lower	Upper	
142	100		
141	85.6	69.8	104.8





#8

Acenaphthylene

Concen: 1.41 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

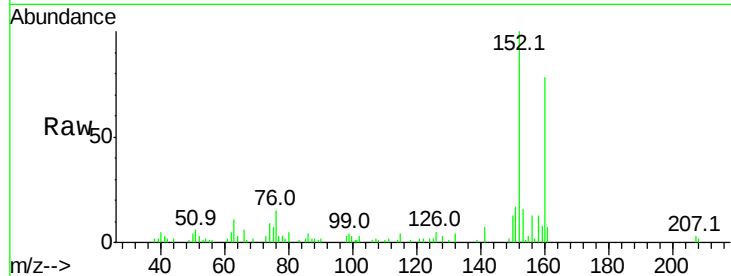
ClientSampleId :

CB349

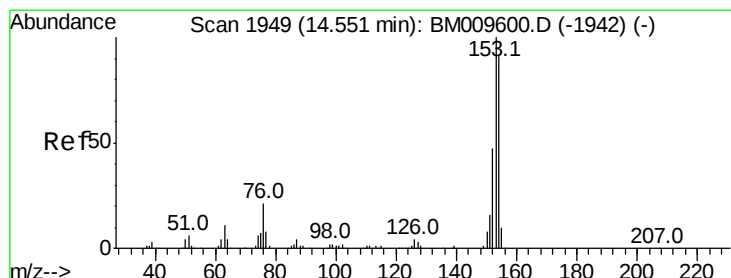
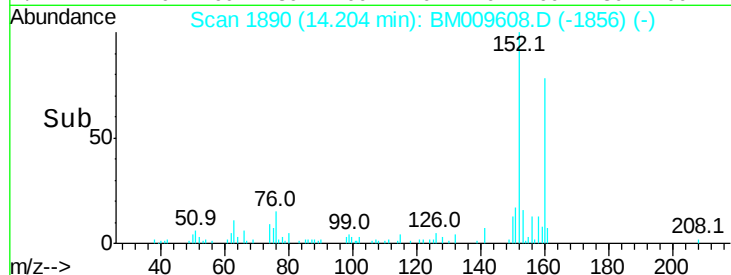
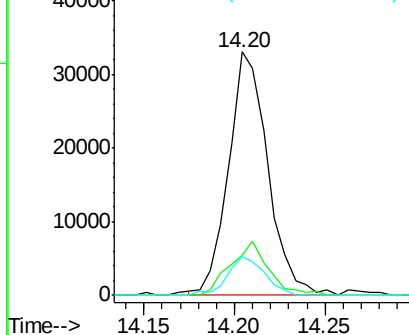
Tot Ion	Ratio	Lower	Upper
152	100		
151	16.7	17.5	26.3#
153	15.8	10.6	16.0

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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

Acenaphthene

Concen: 3.18 ng/ul

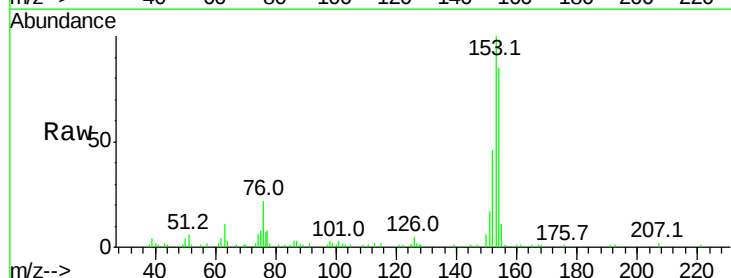
RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

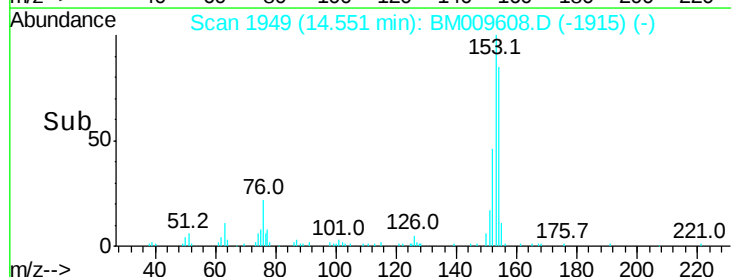
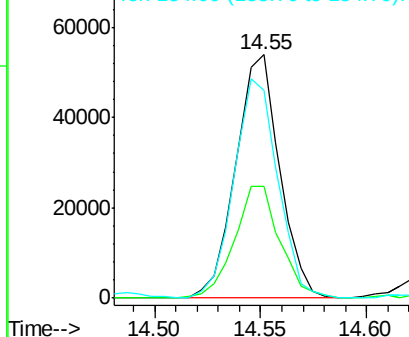
Lab File: BM009608.D

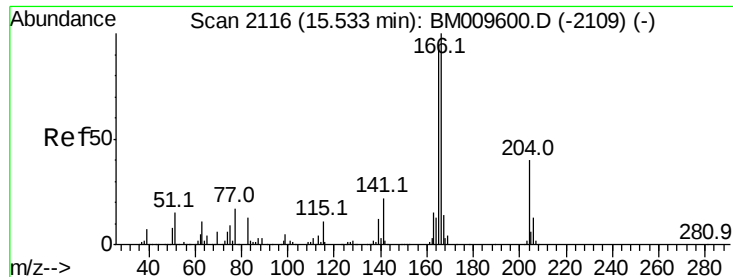
Acq: 06 Apr 2017 23:47

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.0	37.9	56.9
154	85.3	71.6	107.4



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





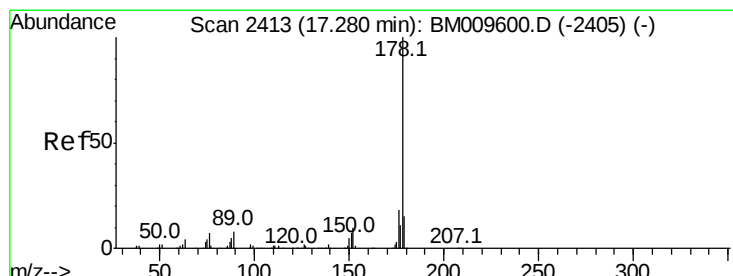
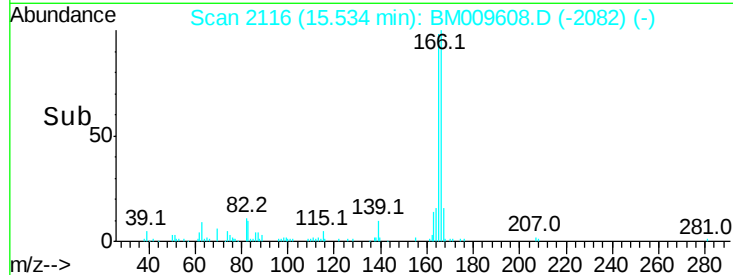
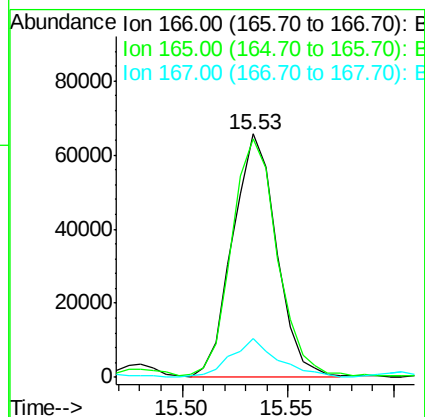
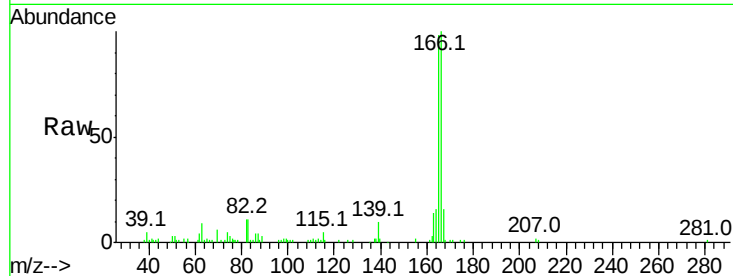
#11
Fluorene
 Concen: 3.19 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Instrument :
 BNA_M
 ClientSampleId :
 CB349

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	80.0	120.0
167	16.0	11.6	17.4

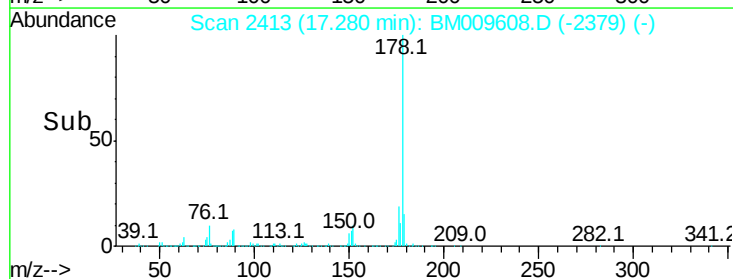
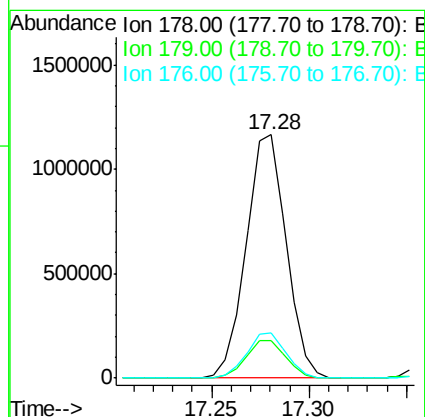
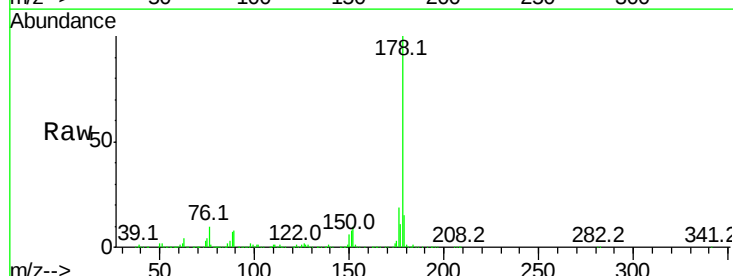
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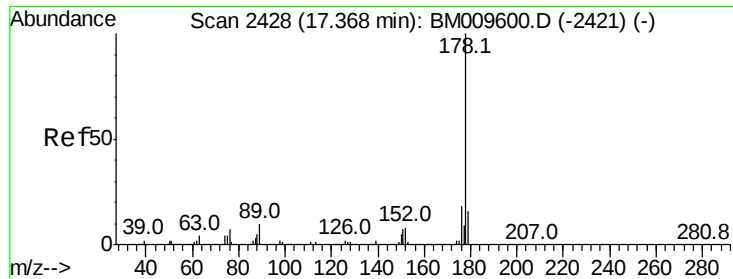
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#14
Phenanthrene
 Concen: 35.48 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	18.6	16.4	24.6





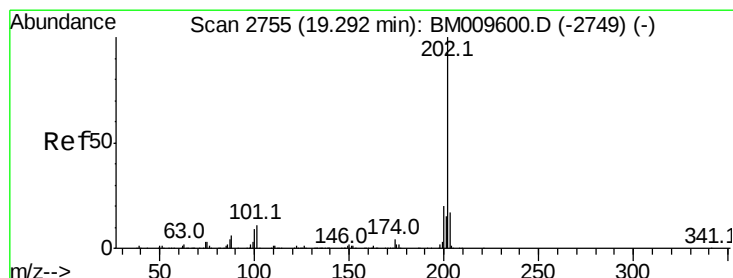
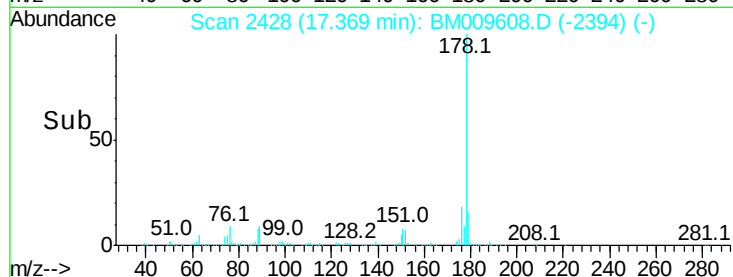
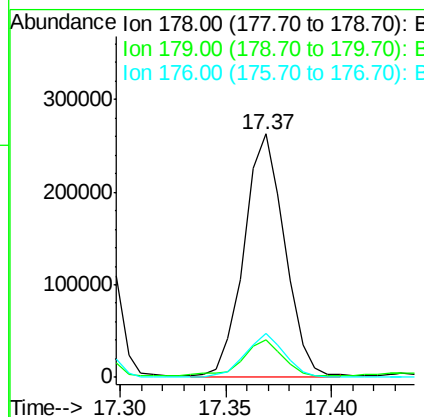
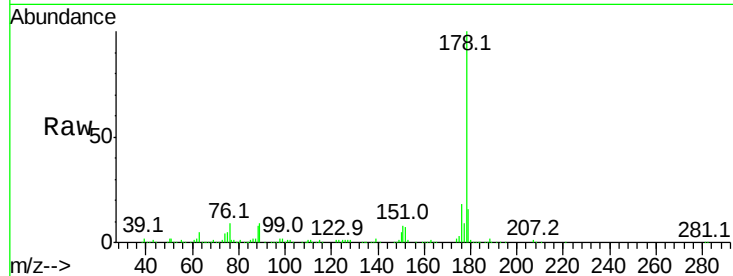
#16
 Anthracene
 Concen: 7.27 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Instrument :
 BNA_M
 ClientSampleId :
 CB349

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.7	19.1
176	18.1	15.8	23.8

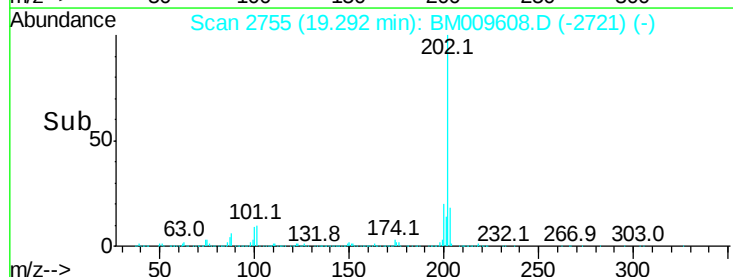
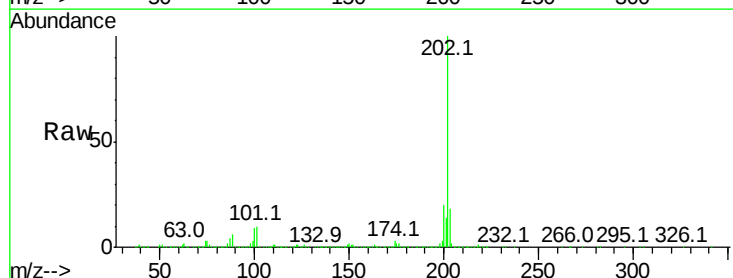
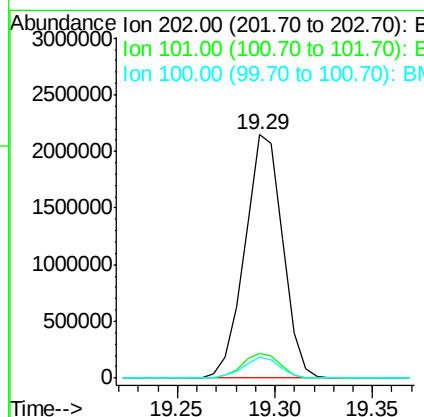
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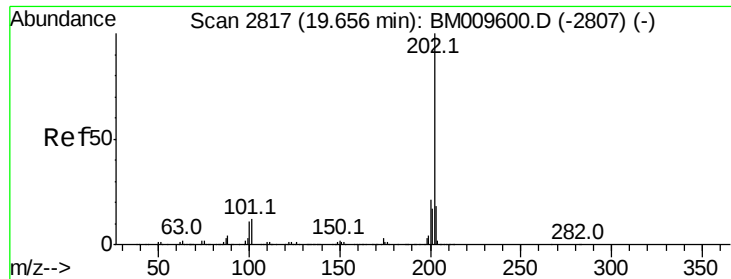
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#17
 Fluoranthene
 Concen: 49.48 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
100	8.8	7.5	11.3





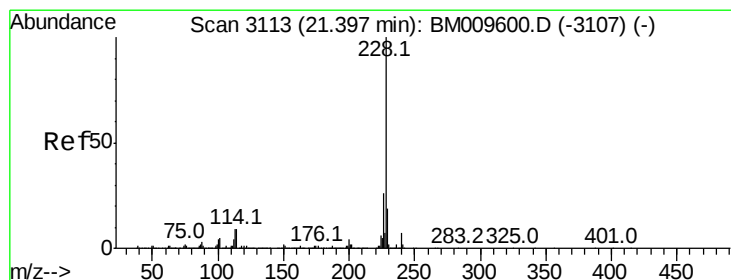
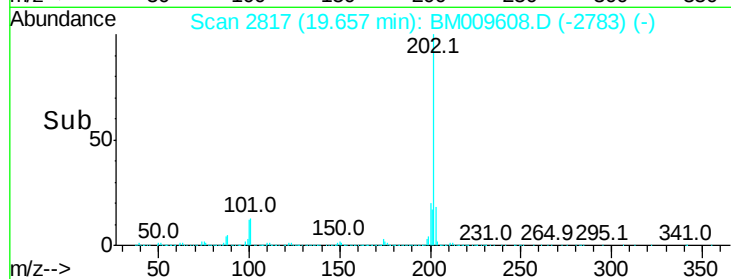
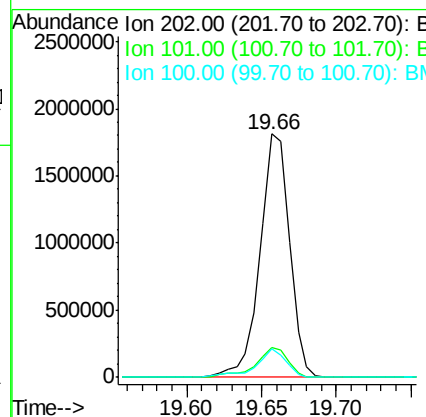
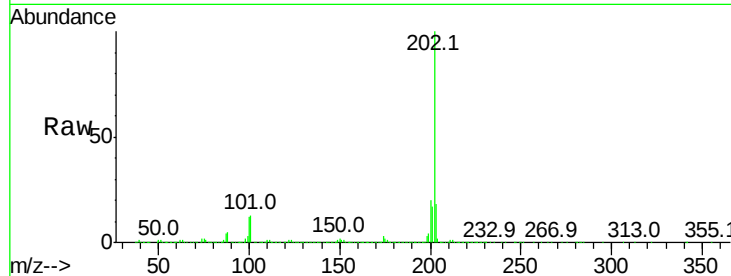
#20
Pvrene
Concen: 41.58 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

Instrument :
BNA_M
ClientSampleId :
CB349

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.2	16.8
100	11.6	9.8	14.6

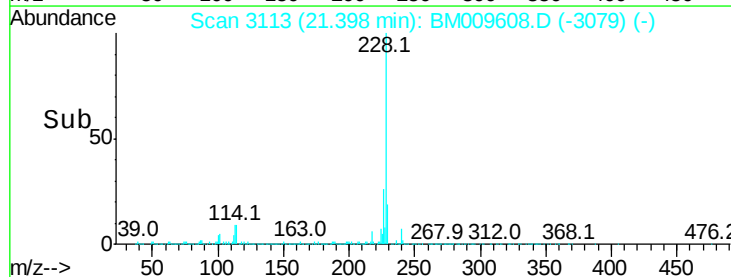
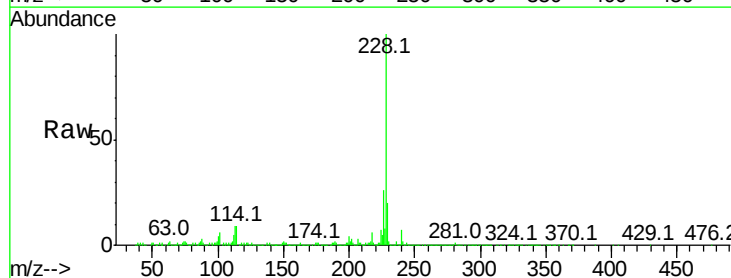
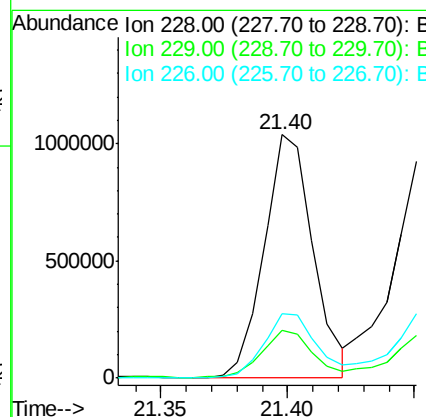
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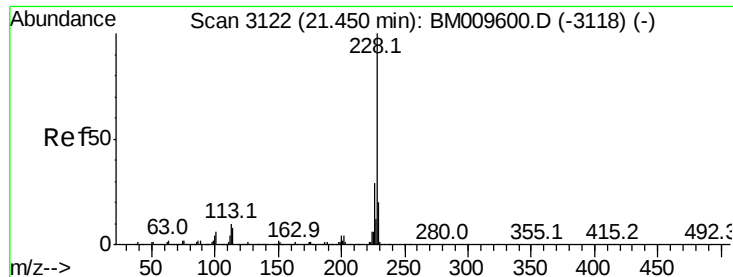
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#21
Benzo(a)anthracene
Concen: 22.75 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9
226	26.4	22.1	33.1





#22

Chrysene

Concen: 22.58 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

ClientSampled :

CB349

Tot Ion:228 Resp: 1273428

Ion Ratio Lower Upper

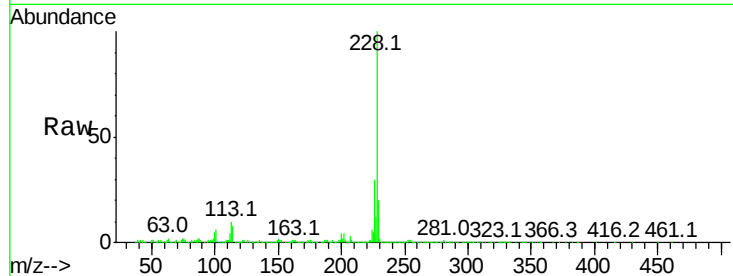
228 100

226 29.7 25.0 37.6

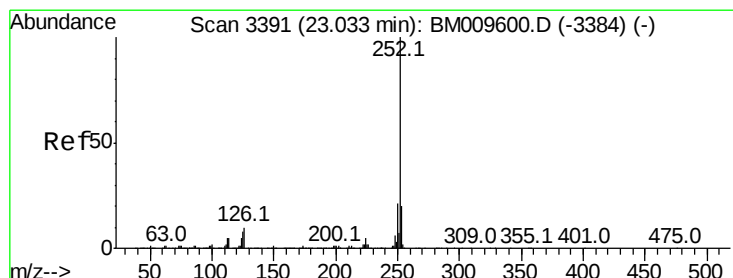
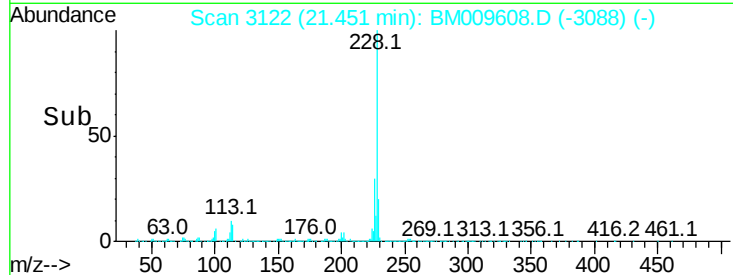
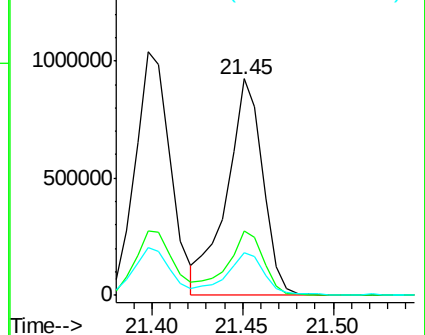
229 19.7 16.6 25.0

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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: 26.98 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

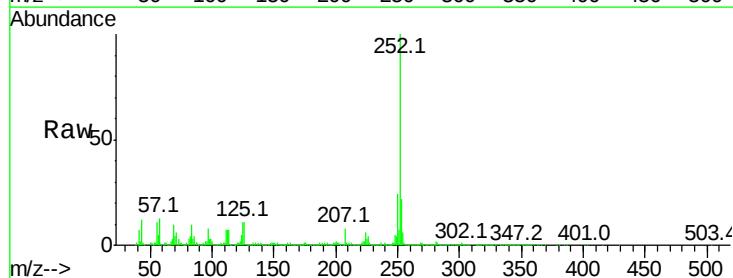
Tgt Ion:252 Resp: 1714073

Ion Ratio Lower Upper

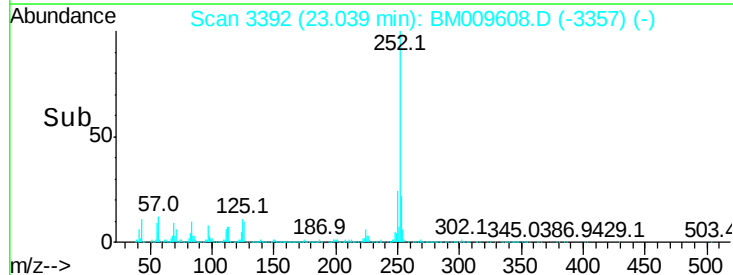
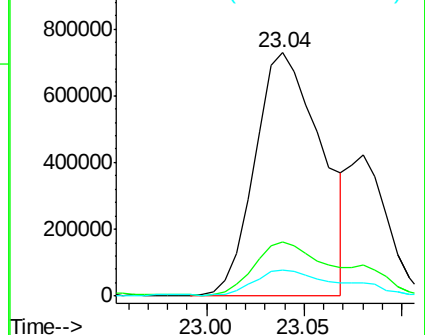
252 100

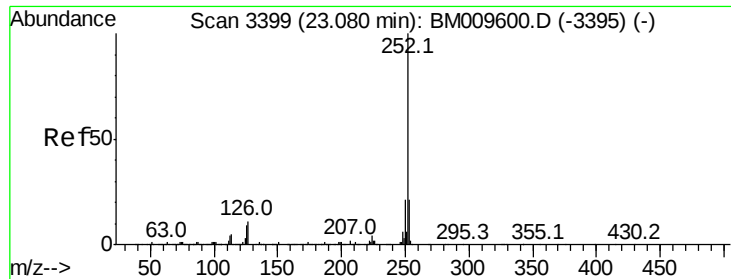
253 22.3 17.8 26.6

125 10.8 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





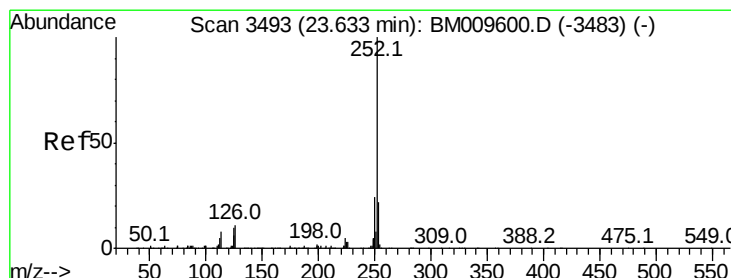
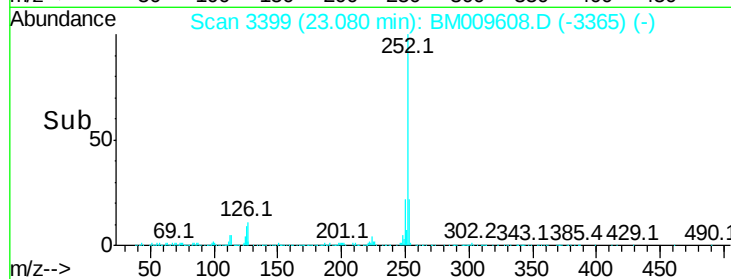
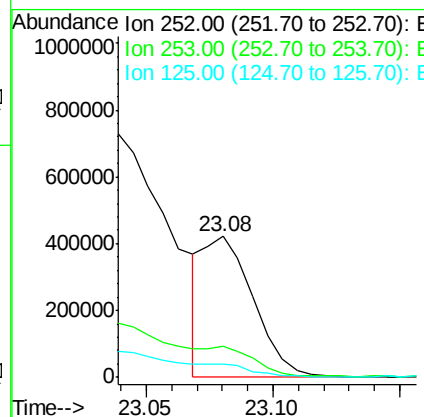
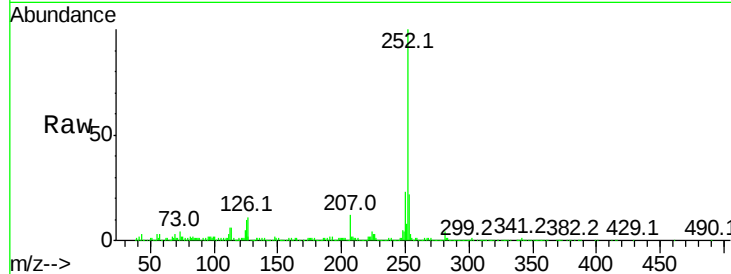
#25
Benzo(k)fluoranthene
Concen: 9.32 ng/ul
RT: 23.08 min Scan# 3399
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

Instrument :
BNA_M
ClientSampleId :
CB349

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.8	8.8	13.2

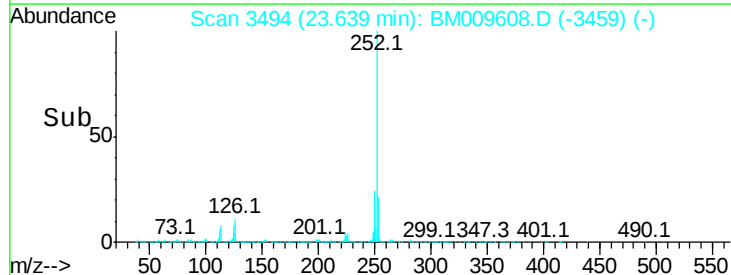
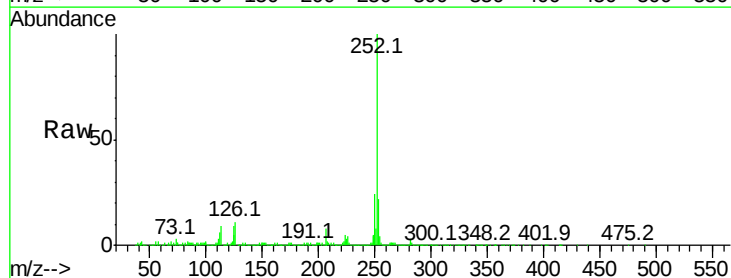
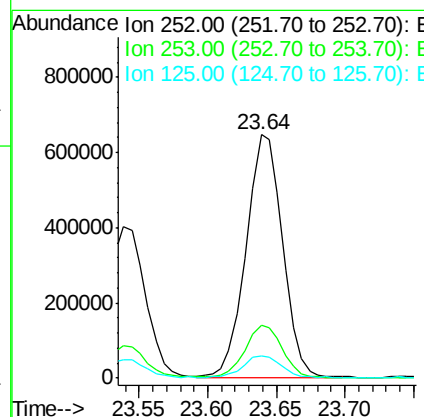
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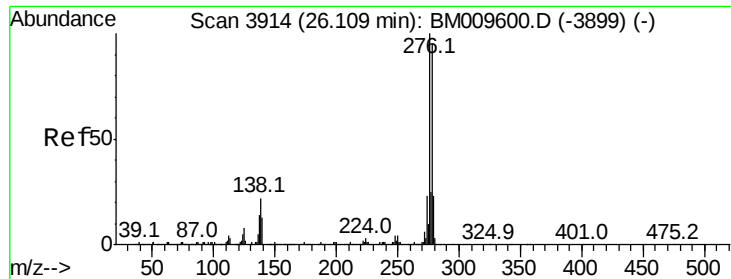
mohammad
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#27
Benzo(a)pyrene
Concen: 19.86 ng/ul m
RT: 23.64 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.3	9.4	14.2#





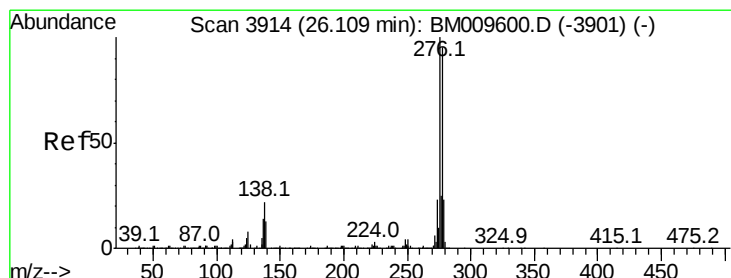
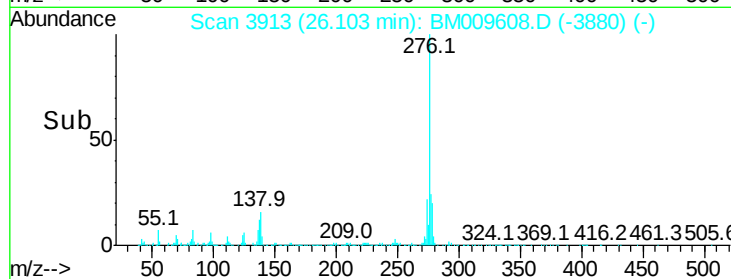
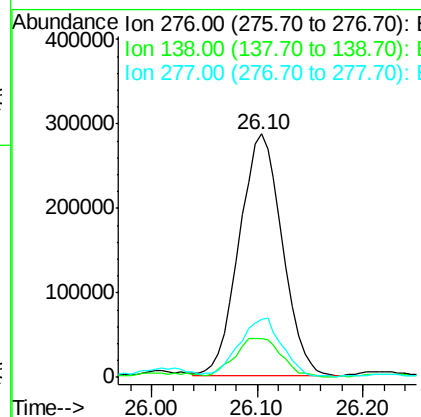
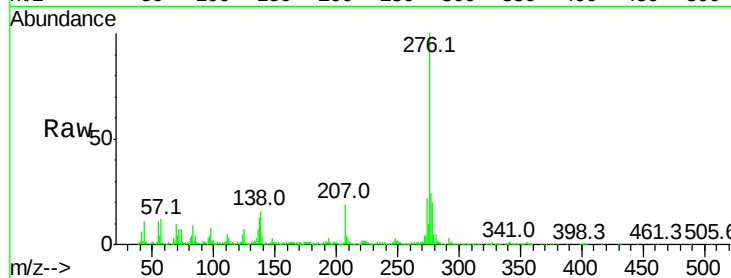
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 11.96 ng/ul
 RT: 26.10 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Instrument :
 BNA_M
 ClientSampleId :
 CB349

Tot Ion	Ratio	Resp	Lower	Upper
276	100	809638		
138	15.9		17.8	26.6#
277	23.9		19.4	29.0

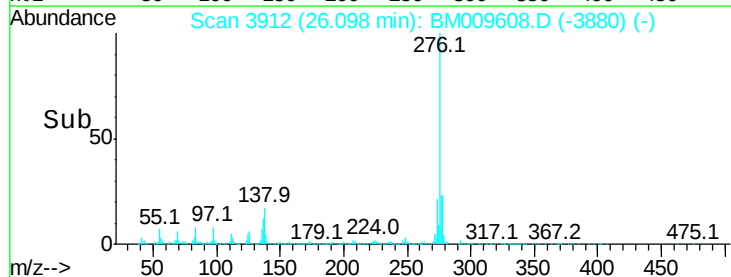
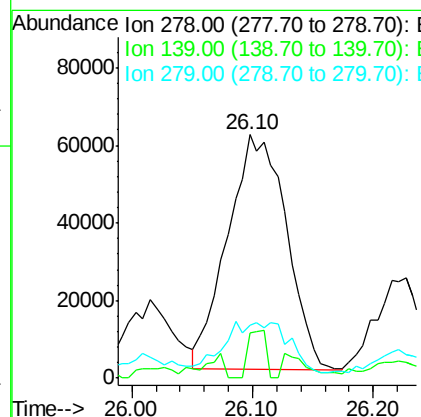
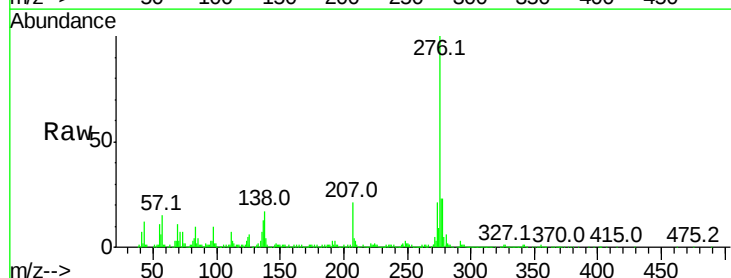
Manual Integrations
 APPROVED

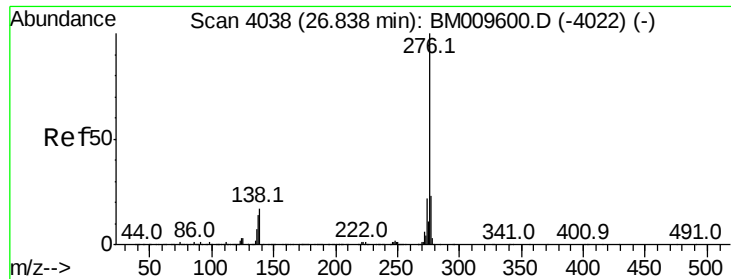
mohammad
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#29
 Dibenzo(a,h)anthracene
 Concen: 3.57 ng/ul
 RT: 26.10 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	205575		
139	18.8		14.0	21.0
279	21.5		20.6	31.0





#30
 Benzo(a,h,i)perylene
 Concen: 12.74 ng/ul
 RT: 26.83 min Scan# 4037
 Delta R.T. -0.01 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Instrument :
 BNA_M
 ClientSampleId :
 CB349

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.9	19.0	28.4#
277	24.7	19.7	29.5

Manual Integrations
 APPROVED

mohammad
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