

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009568.D
 Acq On : 05 Apr 2017 21:22
 Operator : SJ/MA
 Sample : I2285-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB340

Manual Integrations
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mohammad
 4/6/2017 11:39:16 AM

Quant Time: Apr 06 03:52:44 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 03:48:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	140903	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	563523	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	318606	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	757159	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1098890	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1046352	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	3719	0.43	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	378991	12.14	ng/ul	0.00
10) Fluorene-d10	15.48	176	299135	13.32	ng/ul	0.00
15) Anthracene-d10	17.33	188	486535	13.43	ng/ul	0.00
19) Pyrene-d10	19.63	212	612565	13.56	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	624019	13.51	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.69	128	67390	2.33	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	29050	1.38	ng/ul	84
8) Acenaphthylene	14.21	152	58031	1.85	ng/ul	94
9) Acenaphthene	14.55	153	82373	3.82	ng/ul	97
11) Fluorene	15.53	166	103868	3.94	ng/ul	95
14) Phenanthrene	17.28	178	1808278	42.48	ng/ul	97
16) Anthracene	17.37	178	452054	10.27	ng/ul	97
17) Fluoranthene	19.29	202	3247560	61.26	ng/ul	96
20) Pyrene	19.66	202	2845377	47.55	ng/ul	96
21) Benzo(a)anthracene	21.40	228	1980295	31.87	ng/ul	99
22) Chrysene	21.45	228	1597930	28.06	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	2156642	33.33	ng/ul	98
25) Benzo(k)fluoranthene	23.07	252	810529m	13.15	ng/ul	
27) Benzo(a)pyrene	23.63	252	1654656m	26.89	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.09	276	962733	13.96	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.10	278	303931m	5.18	ng/ul	
30) Benzo(a,h,i)perylene	26.82	276	826500	14.53	ng/ul#	94

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

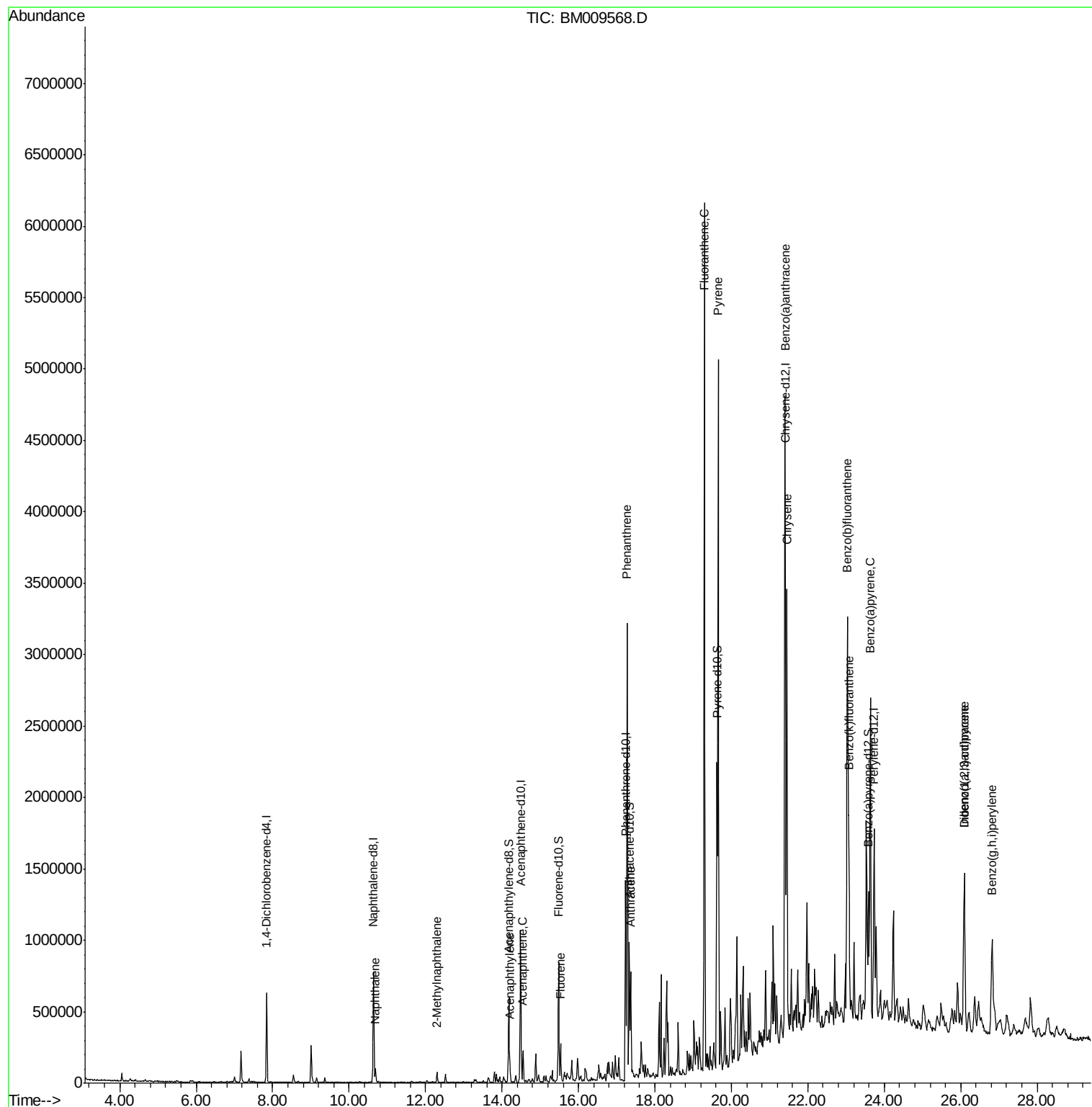
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
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ALS Vial : 16 Sample Multiplier: 1

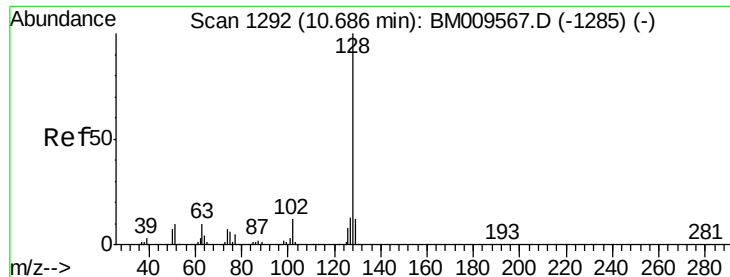
Instrument :
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Quant Time: Apr 06 03:52:44 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
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QLast Update : Thu Apr 06 03:48:05 2017
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#4

Naphthalene

Concen: 2.33 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009568.D

Acq: 05 Apr 2017 21:22

Instrument :

BNA_M

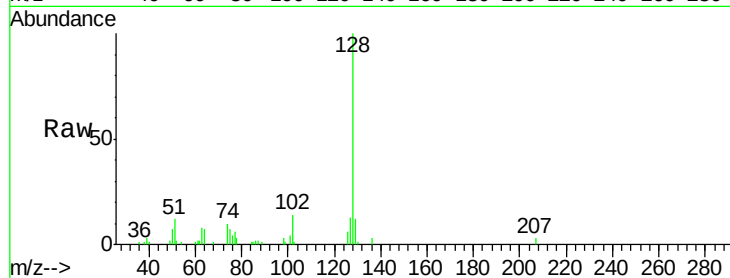
ClientSampled :

CB340

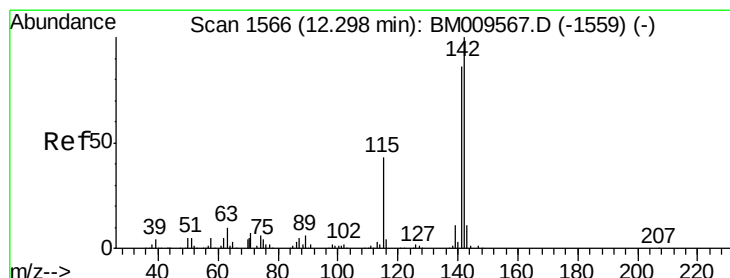
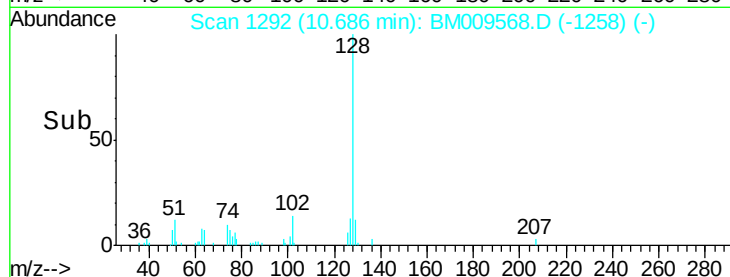
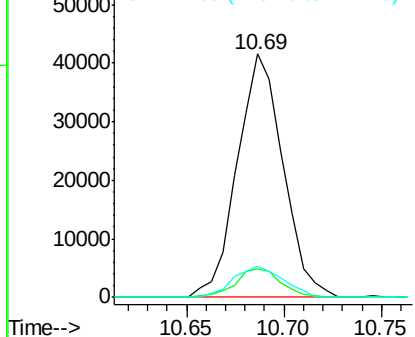
Tot Ion:	128	Resp:	67390
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	12.8	10.6	15.8

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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: 1.38 ng/ul

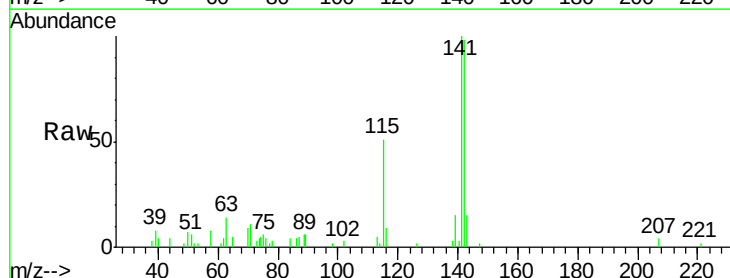
RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

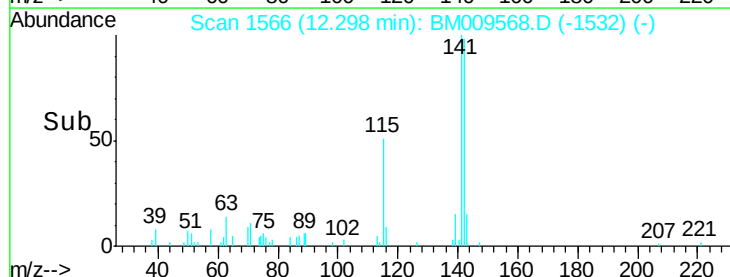
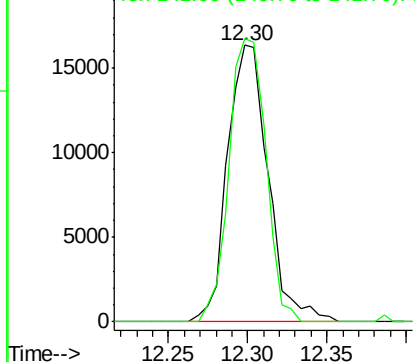
Lab File: BM009568.D

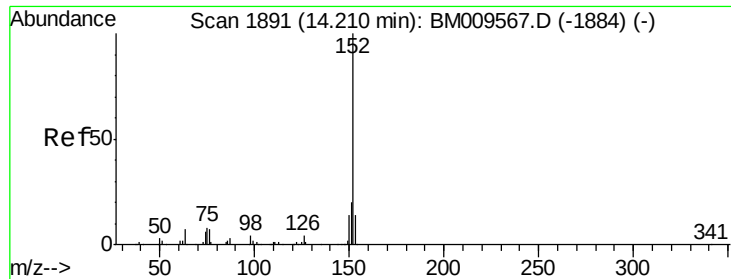
Acq: 05 Apr 2017 21:22

Tgt Ion:	142	Resp:	29050
Ion	Ratio	Lower	Upper
142	100		
141	102.4	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: 1.85 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009568.D

Acq: 05 Apr 2017 21:22

Instrument :

BNA_M

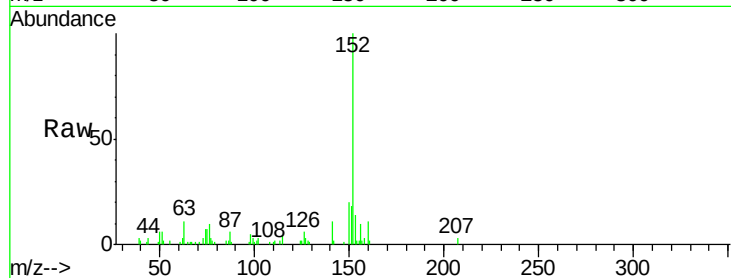
ClientSampleId :

CB340

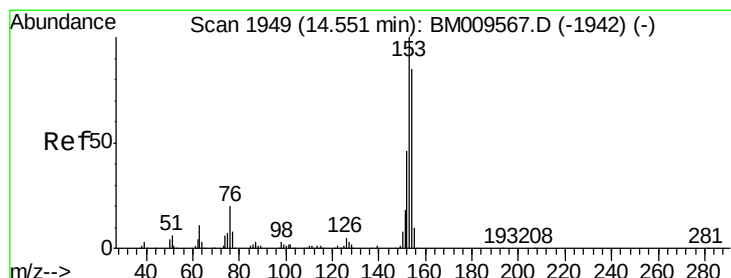
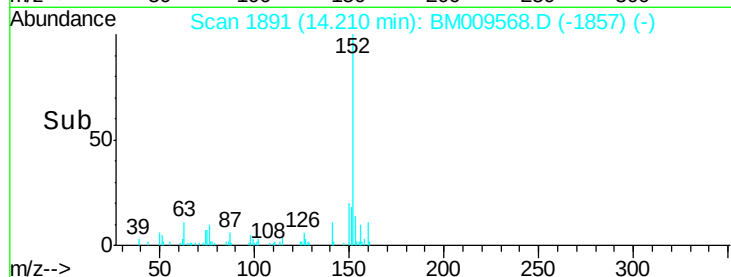
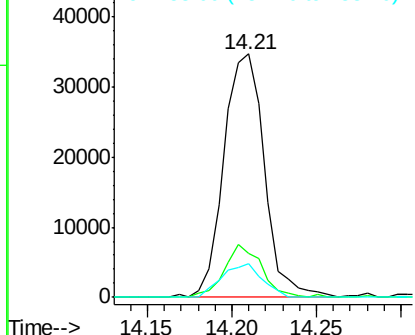
Tot Ion:	152	Resp:	58031
Ion Ratio	Lower	Upper	
152	100		
151	17.8	17.5	26.3
153	14.0	10.6	16.0

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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: 3.82 ng/ul

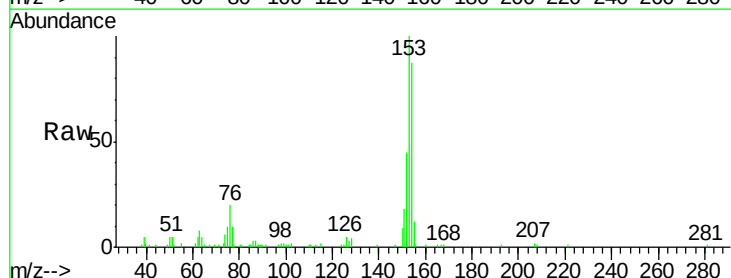
RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

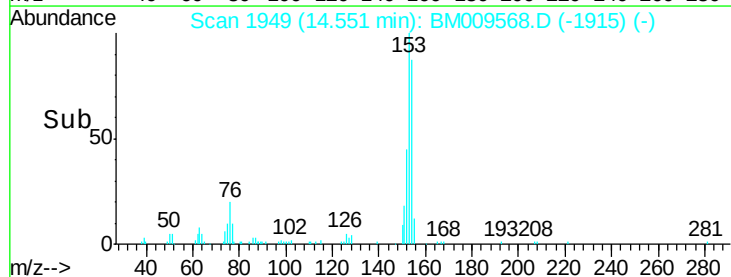
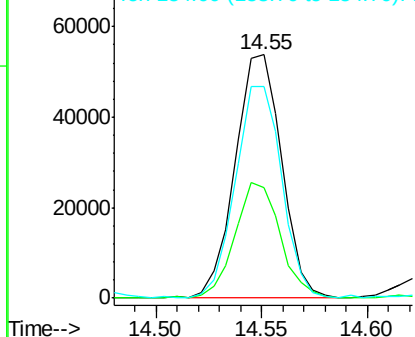
Lab File: BM009568.D

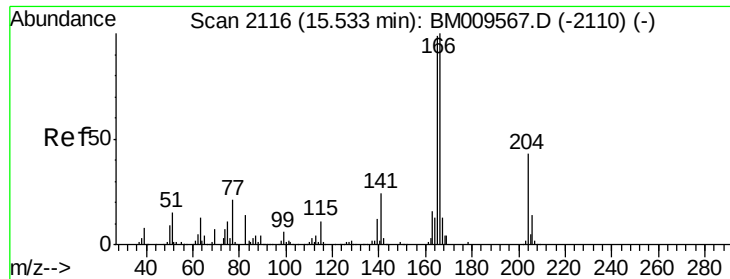
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Tgt Ion:	153	Resp:	82373
Ion Ratio	Lower	Upper	
153	100		
152	45.2	37.9	56.9
154	87.0	71.6	107.4



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





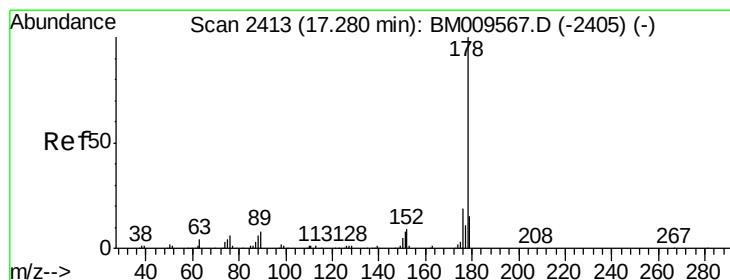
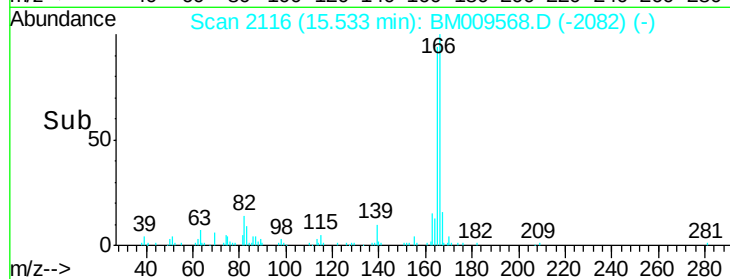
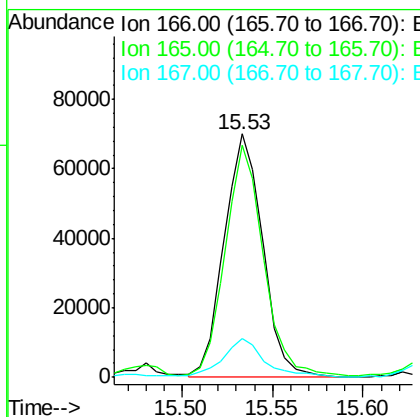
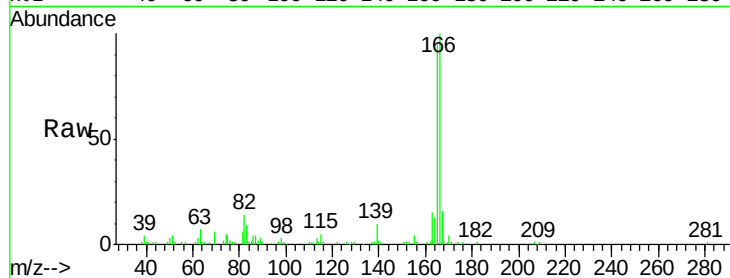
#11
 Fluorene
 Concen: 3.94 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM009568.D
 Acq: 05 Apr 2017 21:22

Instrument :
 BNA_M
 ClientSampleId :
 CB340

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.2	80.0	120.0
167	16.2	11.6	17.4

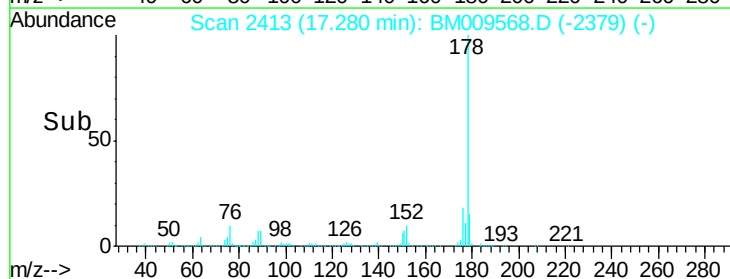
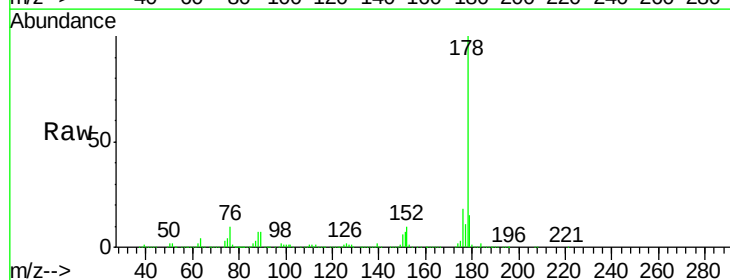
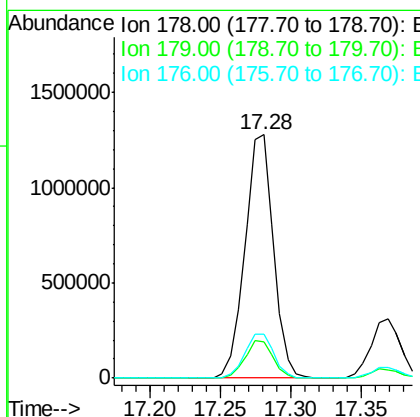
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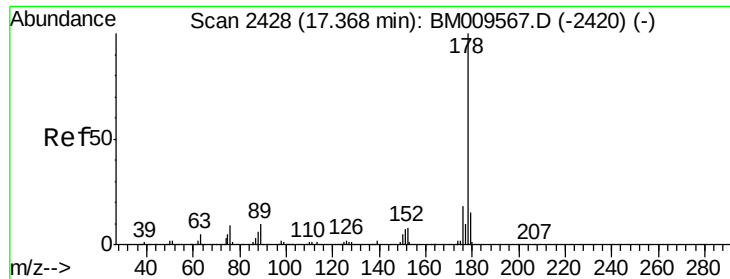
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#14
 Phenanthrene
 Concen: 42.48 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM009568.D
 Acq: 05 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.4
176	18.1	16.4	24.6





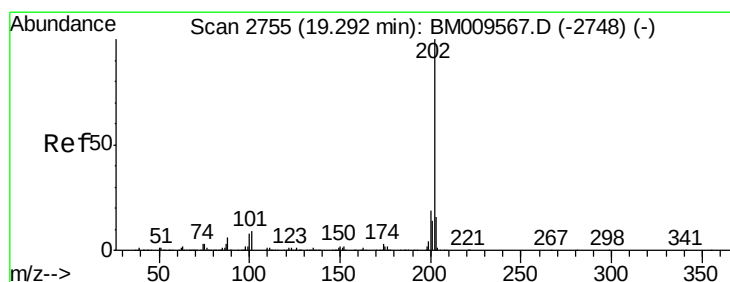
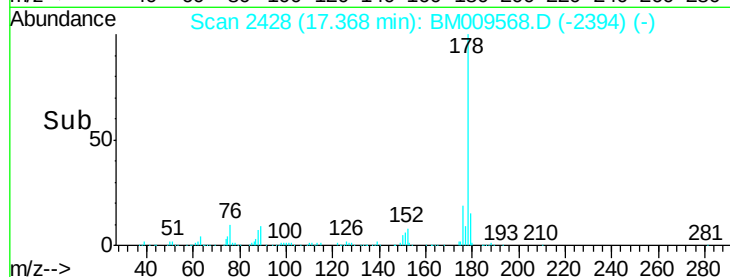
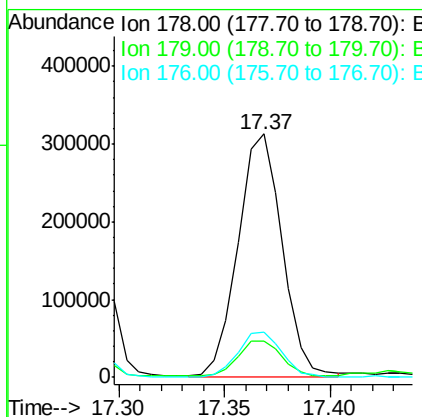
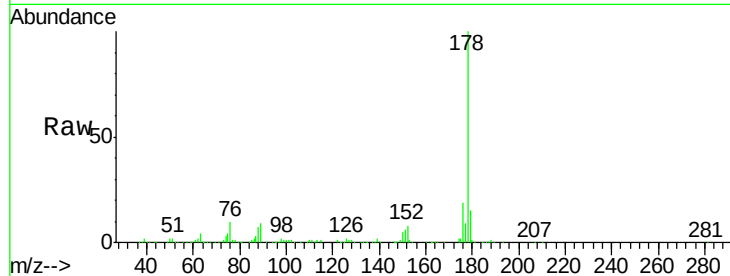
#16
 Anthracene
 Concen: 10.27 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009568.D
 Acq: 05 Apr 2017 21:22

Instrument :
 BNA_M
 ClientSampleId :
 CB340

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.7	19.1
176	18.5	15.8	23.8

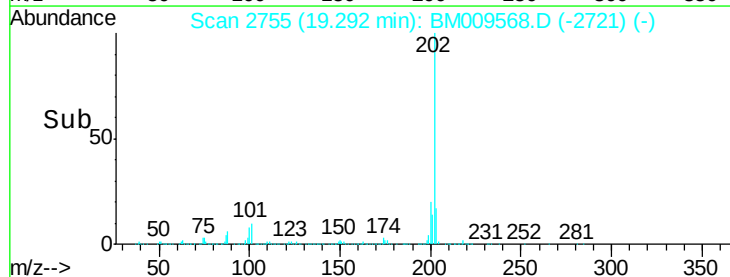
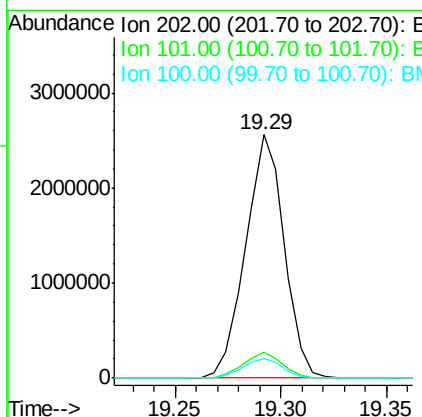
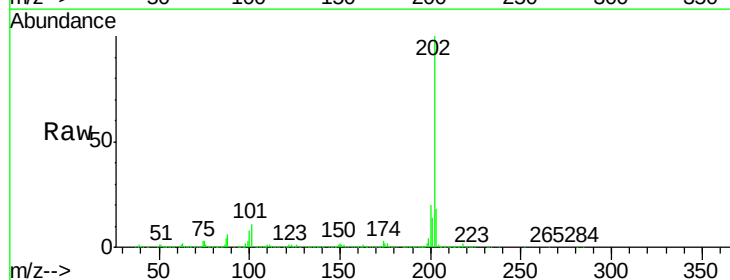
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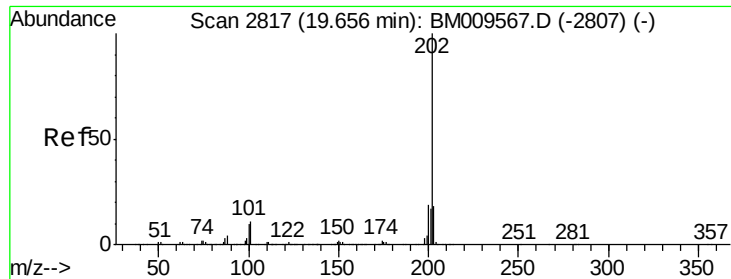
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#17
 Fluoranthene
 Concen: 61.26 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009568.D
 Acq: 05 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.8	14.8
100	8.0	7.5	11.3





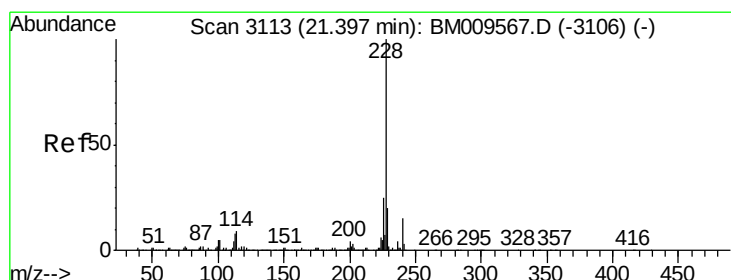
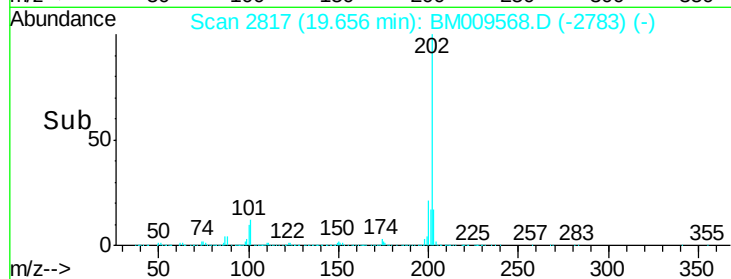
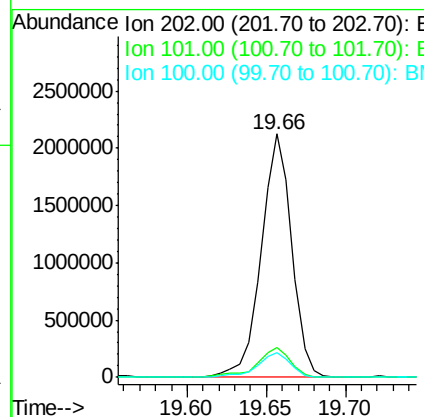
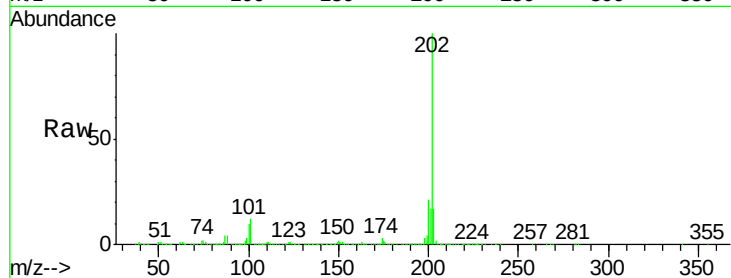
#20
 Pvrene
 Concen: 47.55 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009568.D
 Acq: 05 Apr 2017 21:22

Instrument :
 BNA_M
 ClientSampleId :
 CB340

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	11.2	16.8
100	10.3	9.8	14.6

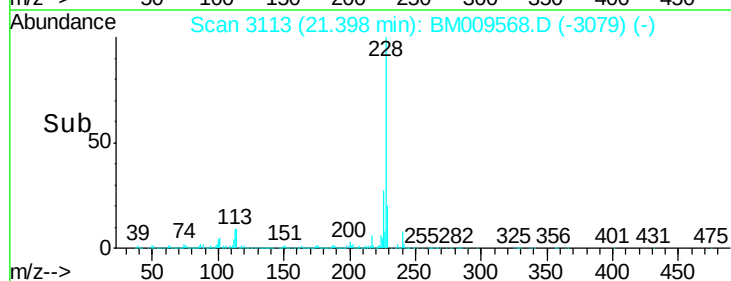
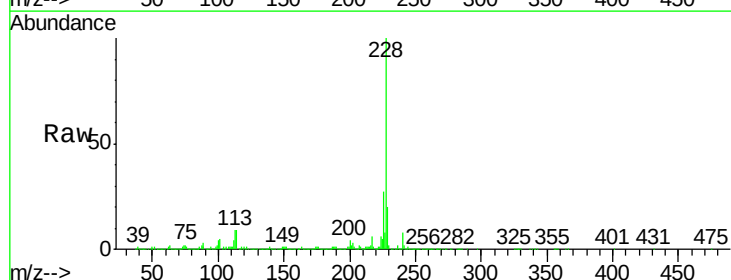
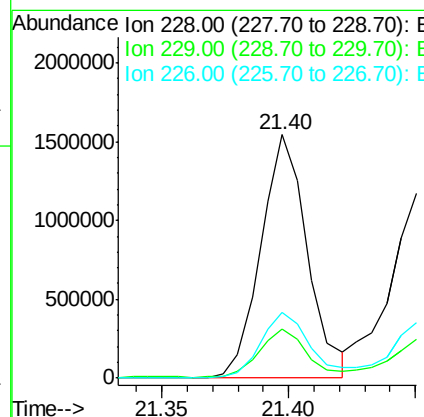
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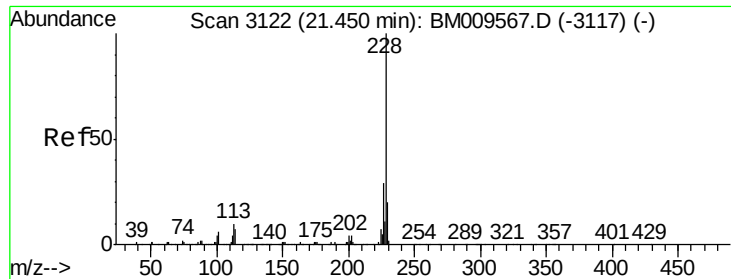
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#21
 Benzo(a)anthracene
 Concen: 31.87 ng/ul
 RT: 21.40 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: BM009568.D
 Acq: 05 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.9	23.9
226	26.9	22.1	33.1





#22

Chrysene

Concen: 28.06 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009568.D

Acq: 05 Apr 2017 21:22

Instrument :

BNA_M

ClientSampleId :

CB340

Tot Ion:228 Resp: 1597930

Ion Ratio Lower Upper

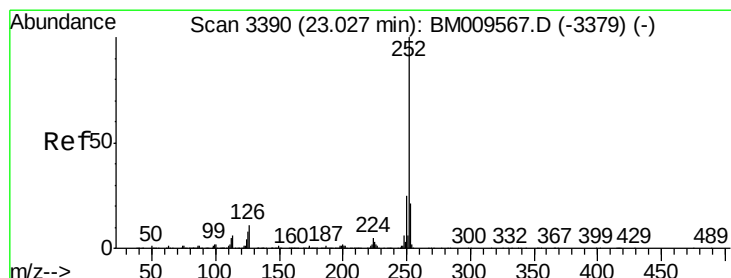
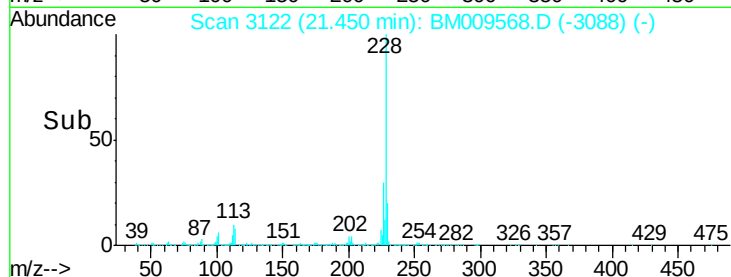
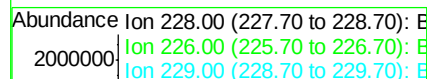
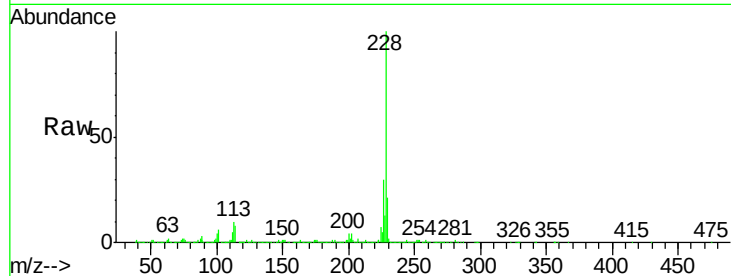
228 100

226 29.9 25.0 37.6

229 20.7 16.6 25.0

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#24

Benzo(b)fluoranthene

Concen: 33.33 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BM009568.D

Acq: 05 Apr 2017 21:22

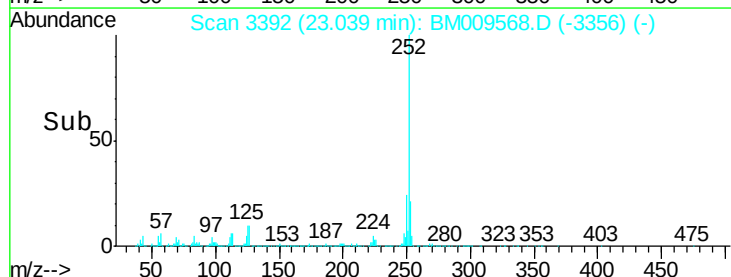
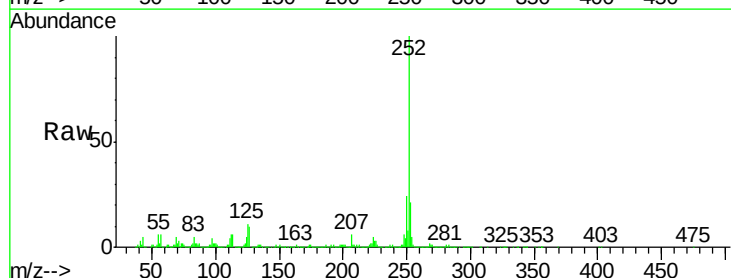
Tgt Ion:252 Resp: 2156642

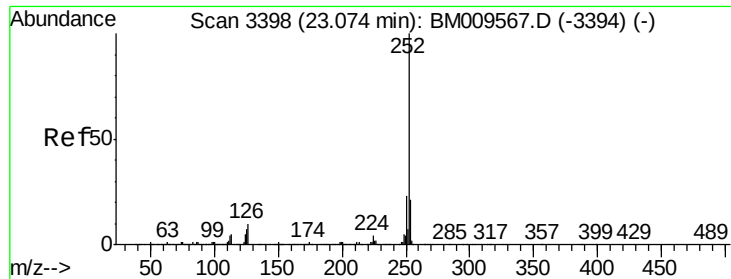
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 10.5 9.4 14.0





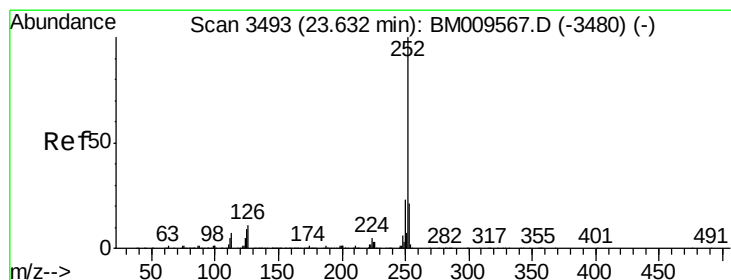
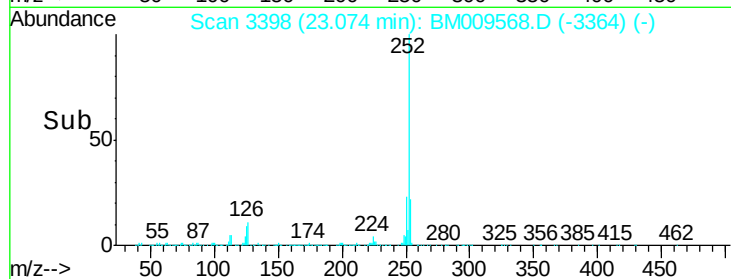
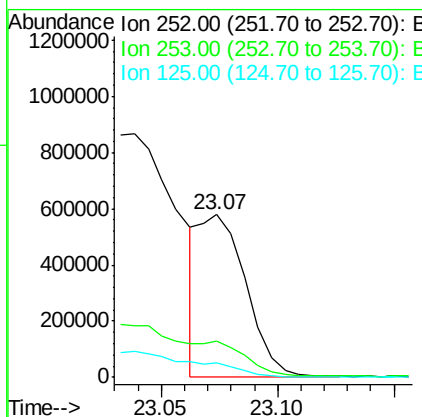
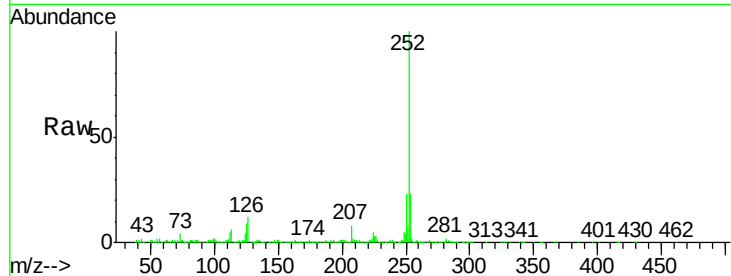
#25
Benzo(k)fluoranthene
Concen: 13.15 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. 0.00 min
Lab File: BM009568.D
Acq: 05 Apr 2017 21:22

Instrument :
BNA_M
ClientSampleId :
CB340

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	8.8	8.8	13.2#

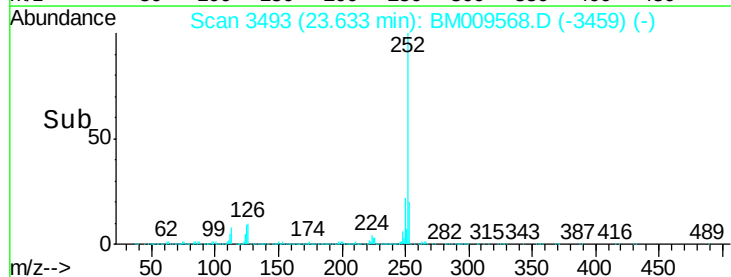
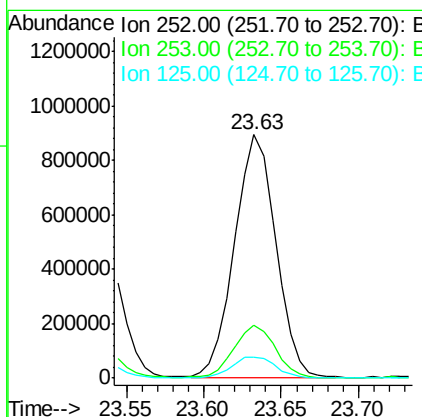
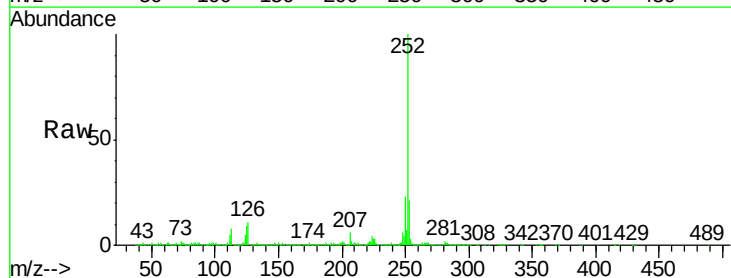
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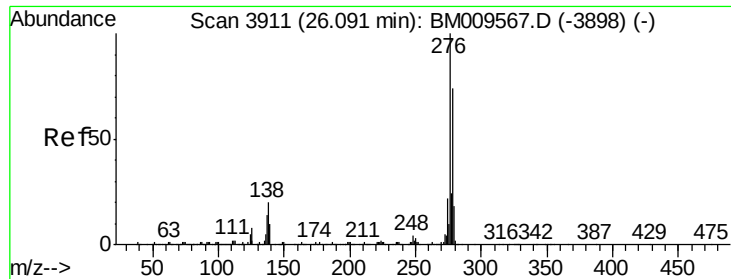
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#27
Benzo(a)pyrene
Concen: 26.89 ng/ul m
RT: 23.63 min Scan# 3493
Delta R.T. 0.00 min
Lab File: BM009568.D
Acq: 05 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	8.8	9.4	14.2#





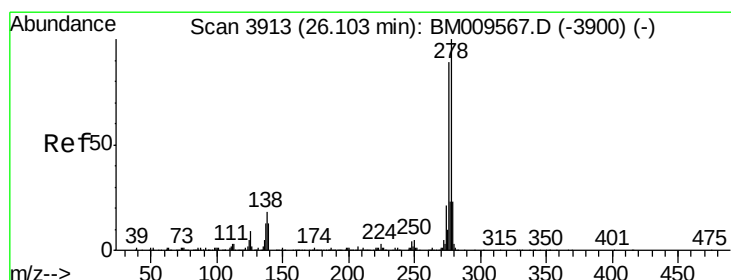
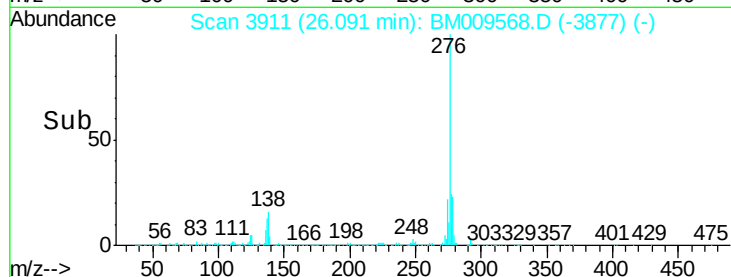
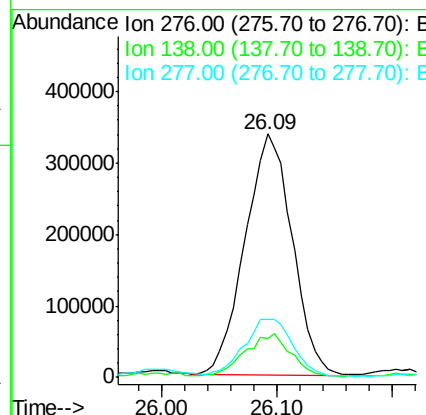
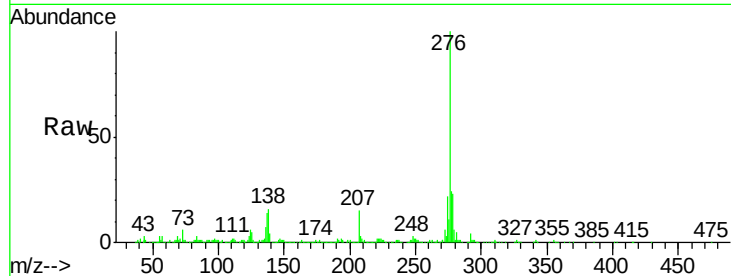
#28
Indeno(1,2,3-cd)pyrene
Concen: 13.96 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. 0.00 min
Lab File: BM009568.D
Acq: 05 Apr 2017 21:22

Instrument :
BNA_M
ClientSampleId :
CB340

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	17.8	26.6#
277	24.0	19.4	29.0

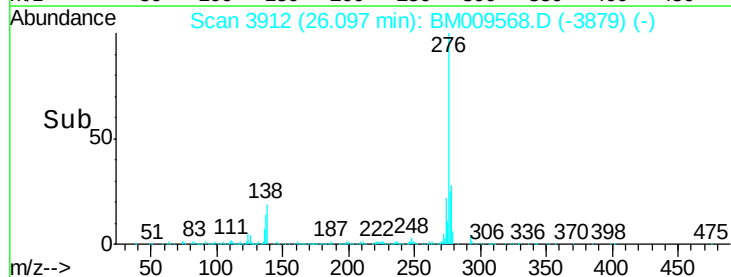
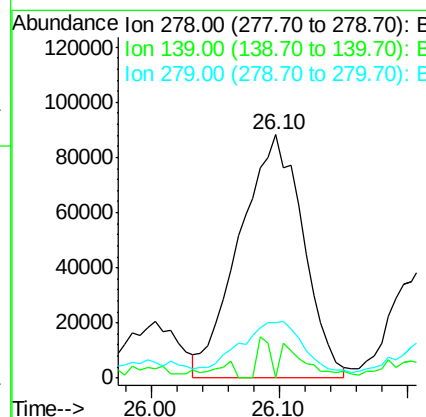
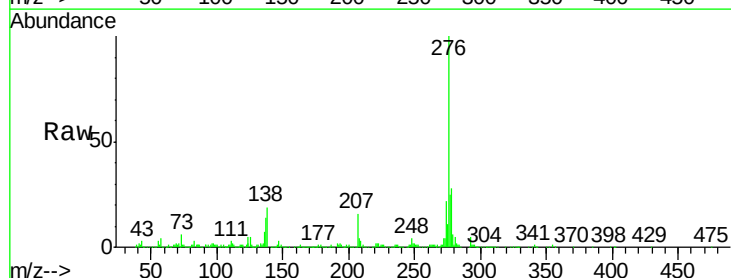
Manual Integrations
APPROVED

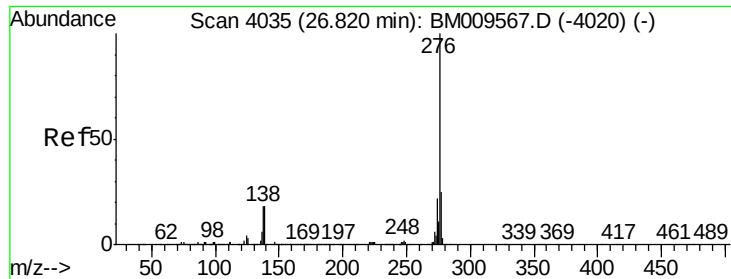
mohammad
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#29
Dibenzo(a,h)anthracene
Concen: 5.18 ng/ul m
RT: 26.10 min Scan# 3912
Delta R.T. -0.01 min
Lab File: BM009568.D
Acq: 05 Apr 2017 21:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	22.7	20.6	31.0





#30

Benzo(a,h,i)perylene

Concen: 14.53 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. 0.00 min

Lab File: BM009568.D

Acq: 05 Apr 2017 21:22

Instrument :

BNA_M

ClientSampleId :

CB340

Tot Ion:	276	Resp:	826500
Ion Ratio		Lower	Upper
276	100		
138	17.8	19.0	28.4#
277	24.3	19.7	29.5

Manual Integrations
APPROVED

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