

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009590.D
 Acq On : 06 Apr 2017 13:00
 Operator : SJ/MA
 Sample : I2524-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB331

Manual Integrations
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 4/7/2017 2:09:55 PM

Quant Time: Apr 06 13:43:30 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 10:55:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	124432	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	492102	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	286797	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	676294	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	964994	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	930840	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	167574	22.15	ng/uL	0.00
7) Acenaphthylene-d8	14.17	160	688963	24.51	ng/ul	0.00
10) Fluorene-d10	15.48	176	519878	25.72	ng/ul	0.00
15) Anthracene-d10	17.33	188	856798	26.48	ng/ul	0.00
19) Pyrene-d10	19.63	212	1101319	27.77	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1189656	28.95	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	38423	1.52	ng/ul#	94
5) 2-Methylnaphthalene	12.30	142	19096	1.04	ng/ul	83
8) Acenaphthylene	14.20	152	36693	1.30	ng/ul	98
9) Acenaphthene	14.55	153	42595	2.19	ng/ul	87
11) Fluorene	15.53	166	54728	2.31	ng/ul#	96
14) Phenanthrene	17.28	178	938894	24.69	ng/ul	96
16) Anthracene	17.37	178	179691	4.57	ng/ul	98
17) Fluoranthene	19.29	202	1569720	33.15	ng/ul	96
20) Pyrene	19.66	202	1396213	26.57	ng/ul	96
21) Benzo(a)anthracene	21.40	228	819332	15.02	ng/ul	98
22) Chrysene	21.45	228	791834	15.83	ng/ul	95
24) Benzo(b)fluoranthene	23.03	252	1034040	17.96	ng/ul	98
25) Benzo(k)fluoranthene	23.07	252	387152m	7.06	ng/ul	
27) Benzo(a)pyrene	23.63	252	701880	12.82	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.10	276	494453	8.06	ng/ul#	92
29) Dibenzo(a,h)anthracene	26.10	278	132736m	2.55	ng/ul	
30) Benzo(a,h,i)perylene	26.83	276	420472	8.31	ng/ul#	91

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

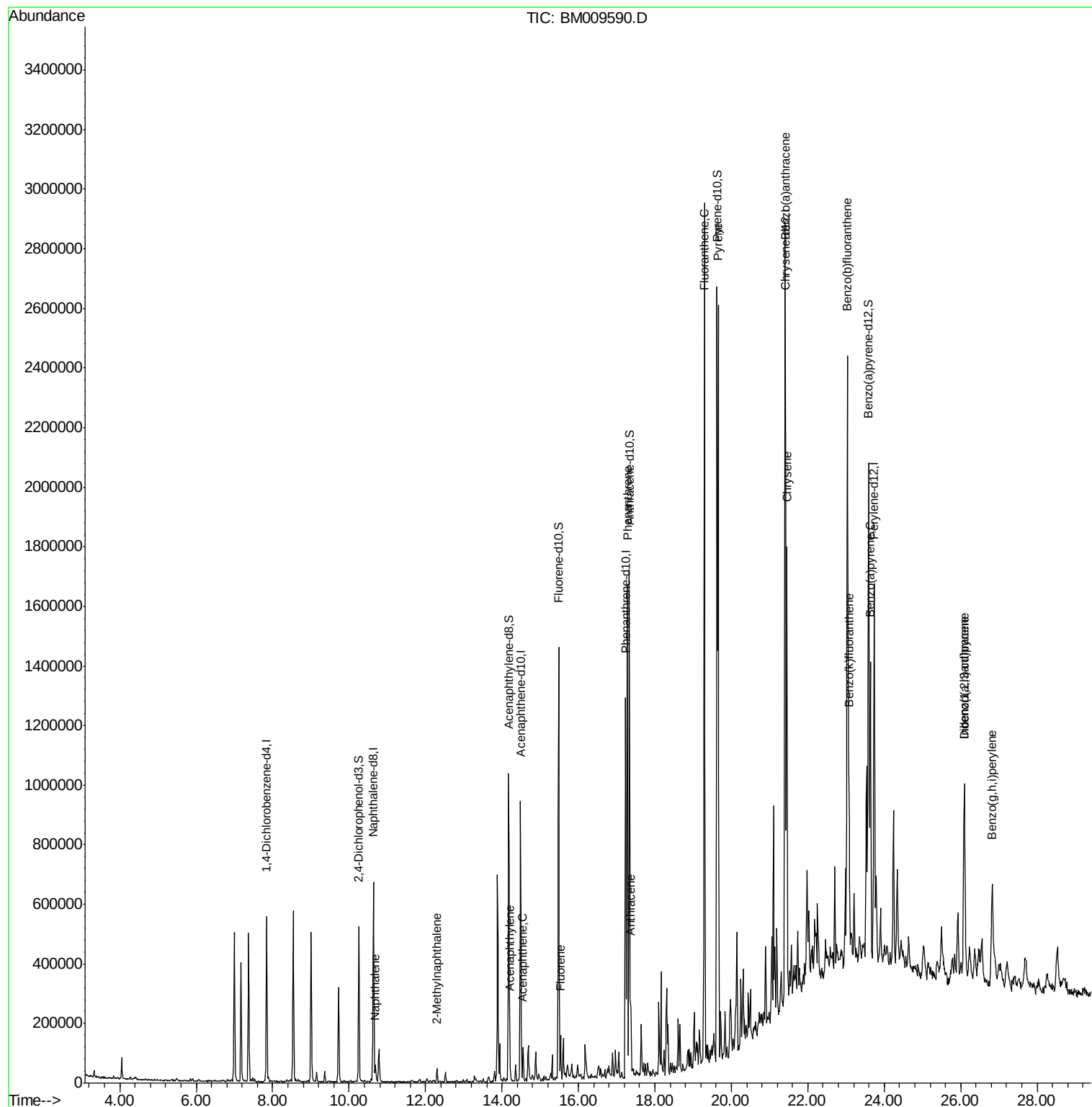
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009590.D
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ALS Vial : 8 Sample Multiplier: 1

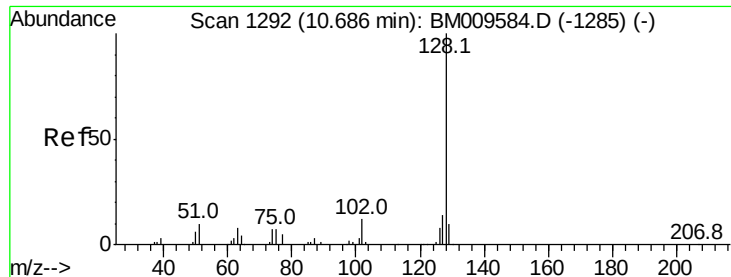
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 06 10:55:00 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.52 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

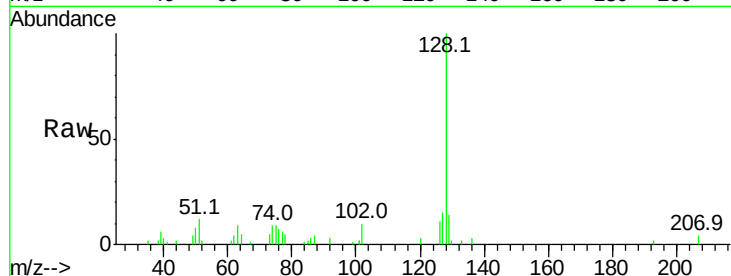
ClientSampled :

CB331

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.1	13.7#
127	14.7	10.6	15.8

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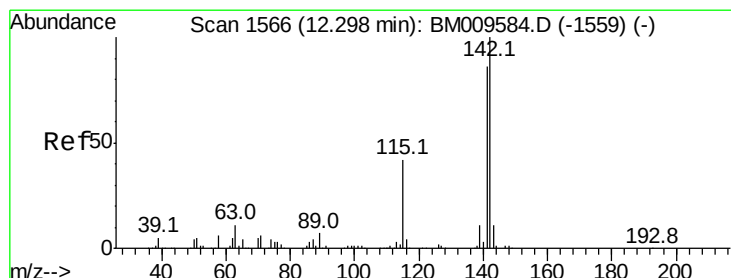
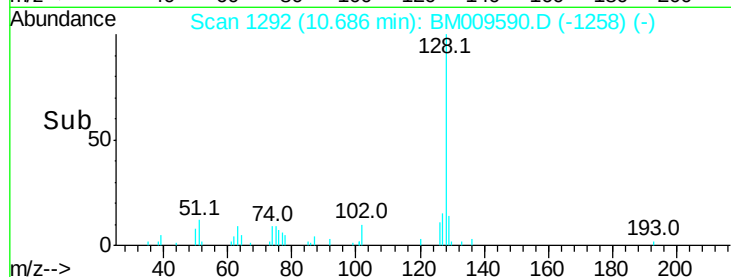
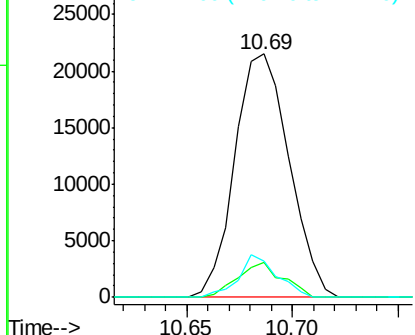


Abundance

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: 1.04 ng/ul

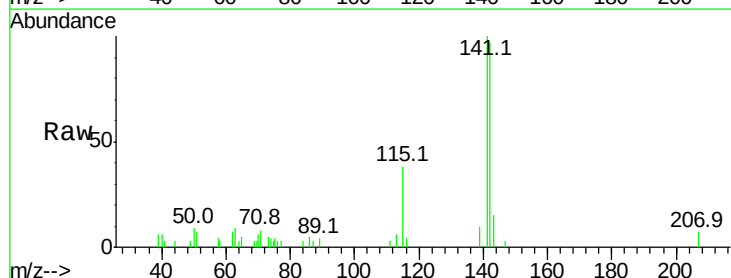
RT: 12.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

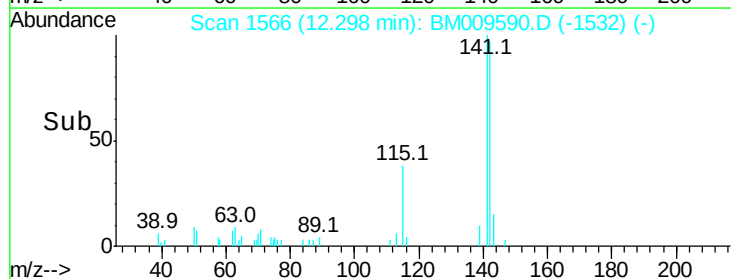
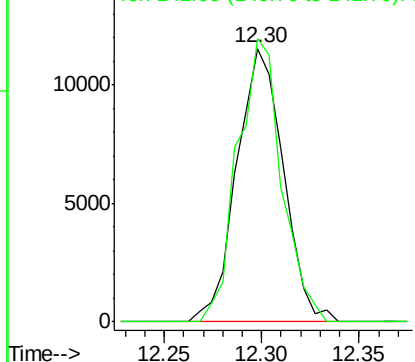
Tgt Ion	Ratio	Lower	Upper
142	100		
141	103.5	69.8	104.8

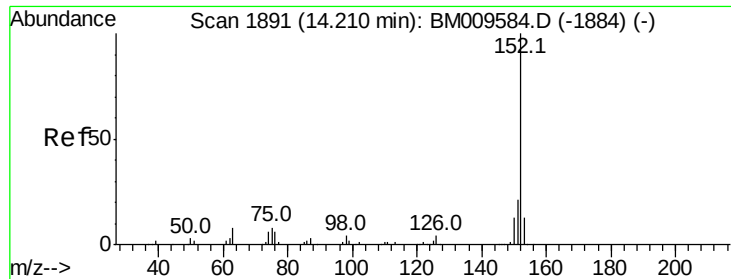


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.30 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BM009590.D

Acq: 06 Apr 2017 13:00

Instrument :

BNA_M

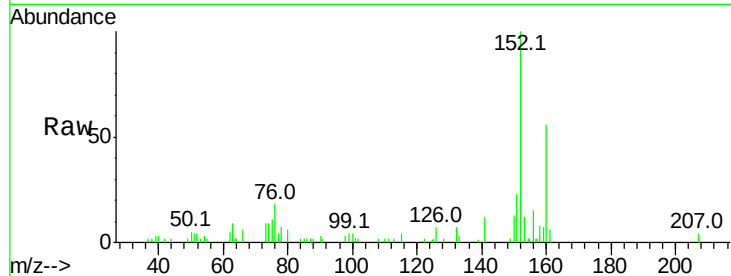
ClientSampleId :

CB331

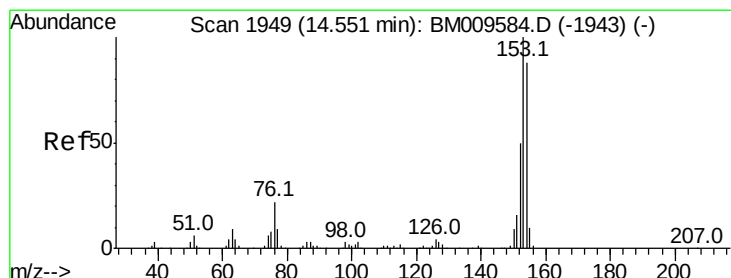
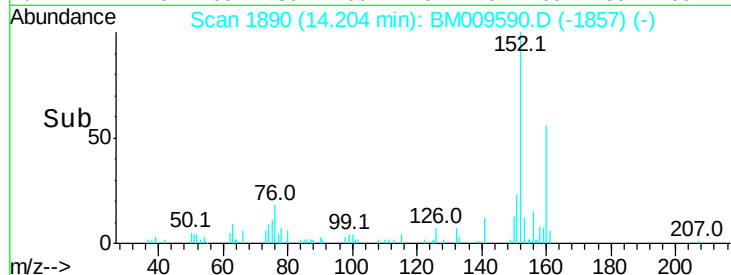
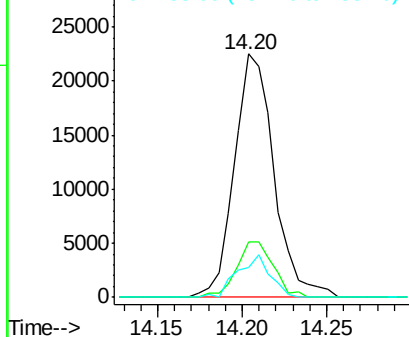
Tot Ion:	152	Resp:	36693
Ion Ratio	Lower	Upper	
152	100		
151	22.5	17.5	26.3
153	12.4	10.6	16.0

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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: 2.19 ng/ul

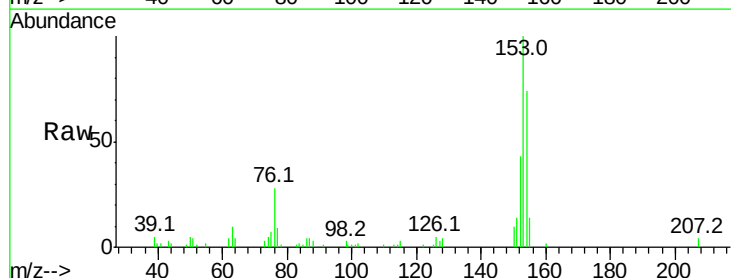
RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

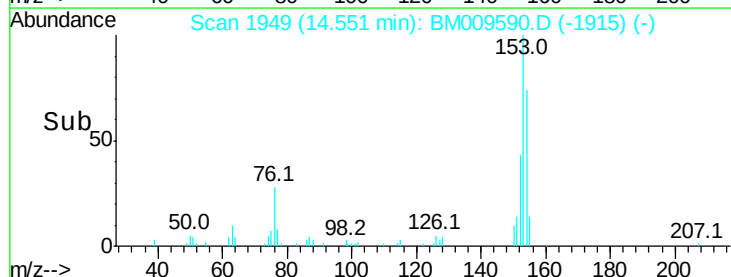
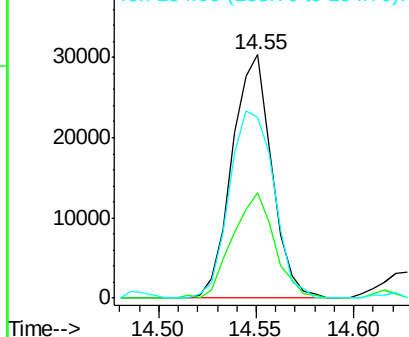
Lab File: BM009590.D

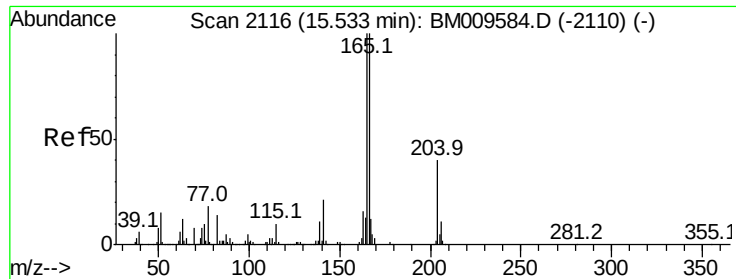
Acq: 06 Apr 2017 13:00

Tgt Ion:	153	Resp:	42595
Ion Ratio	Lower	Upper	
153	100		
152	43.2	37.9	56.9
154	74.3	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





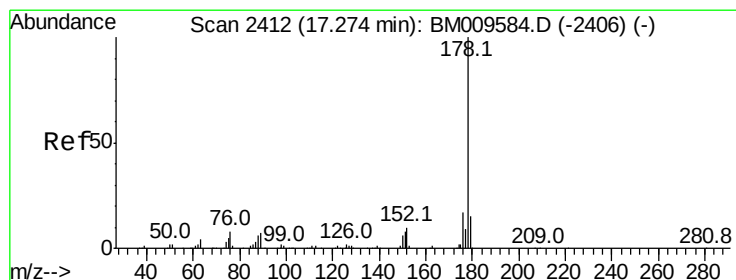
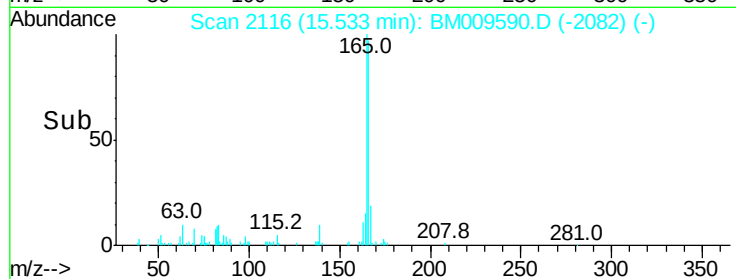
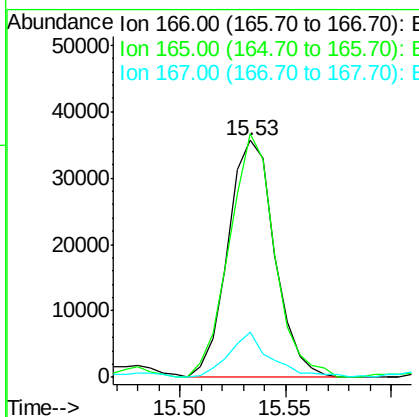
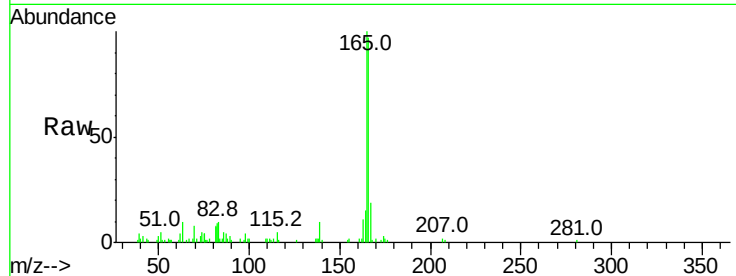
#11
Fluorene
 Concen: 2.31 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Instrument :
 BNA_M
 ClientSampleId :
 CB331

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.9	80.0	120.0
167	19.0	11.6	17.4

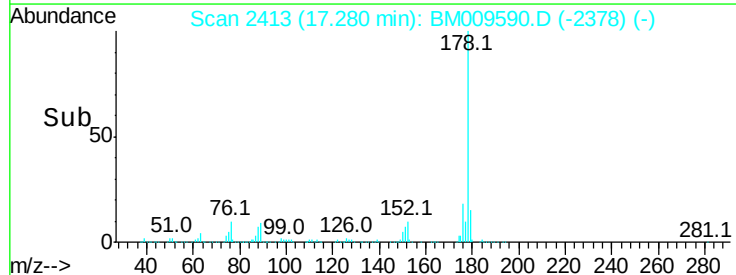
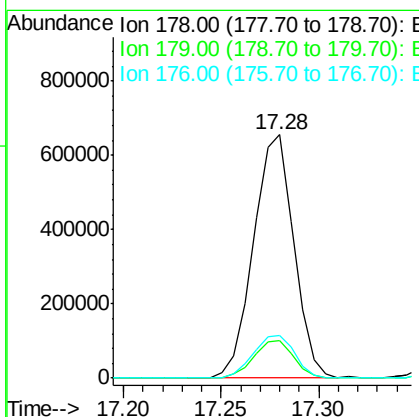
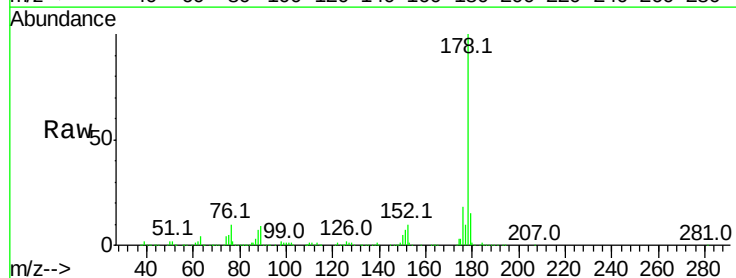
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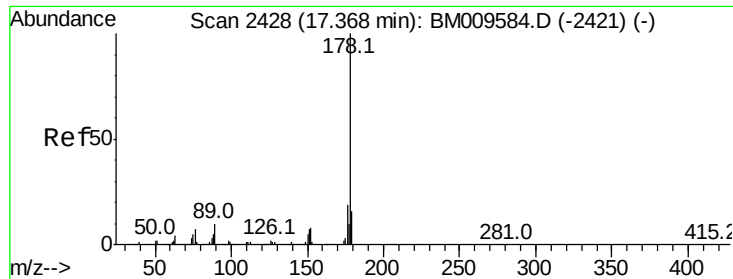
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#14
Phenanthrene
 Concen: 24.69 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.01 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	17.7	16.4	24.6





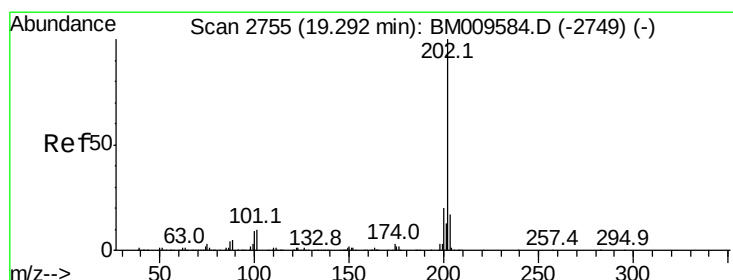
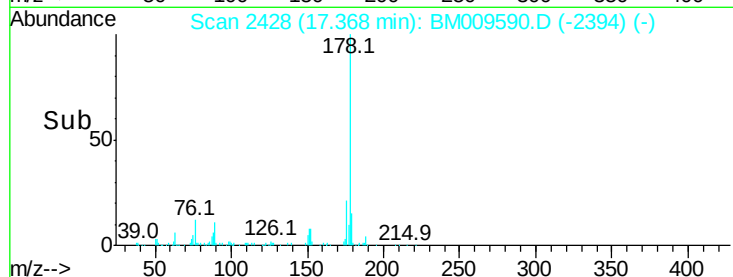
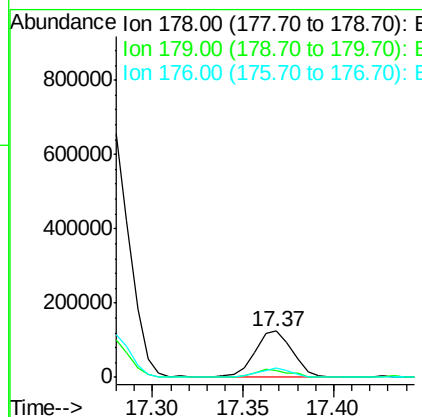
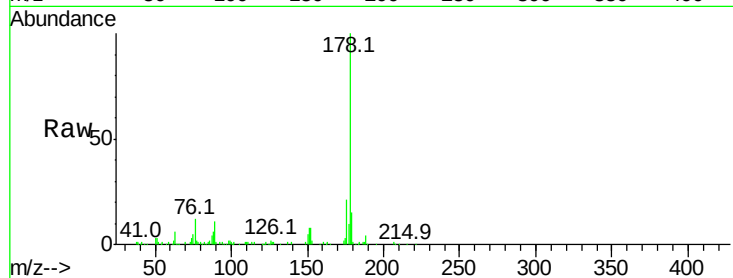
#16
 Anthracene
 Concen: 4.57 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Instrument :
 BNA_M
 ClientSampled :
 CB331

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.7	19.1
176	20.5	15.8	23.8

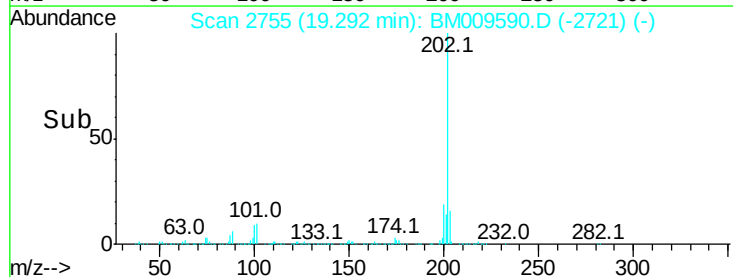
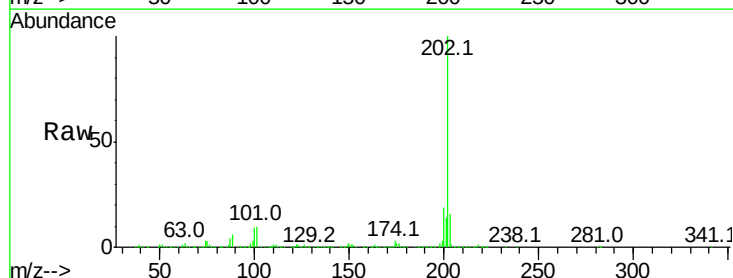
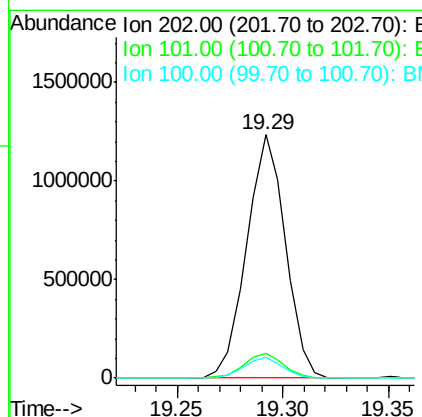
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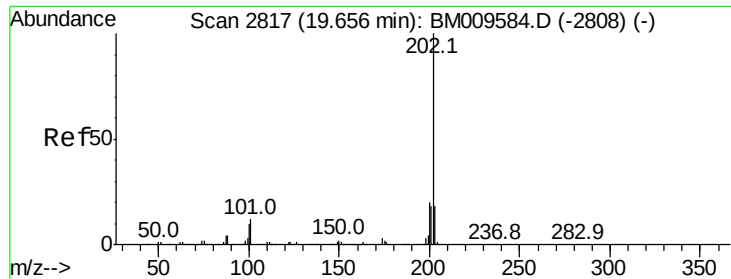
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#17
 Fluoranthene
 Concen: 33.15 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	9.8	14.8
100	8.6	7.5	11.3





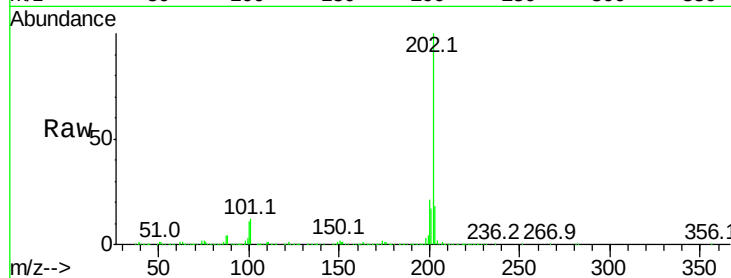
#20
Pvrene
Concen: 26.57 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Instrument :
BNA_M
ClientSampled :
CB331

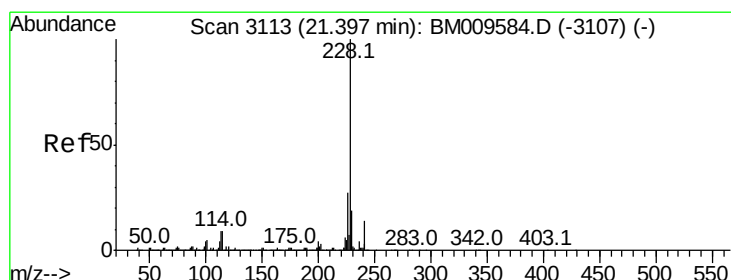
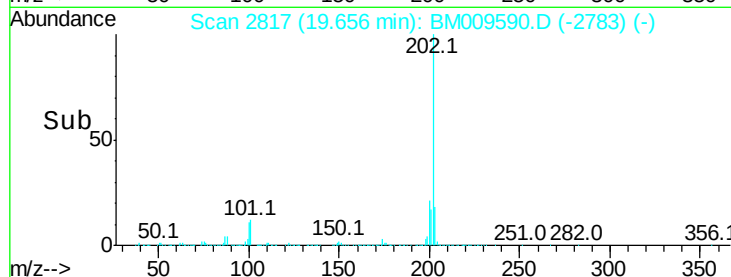
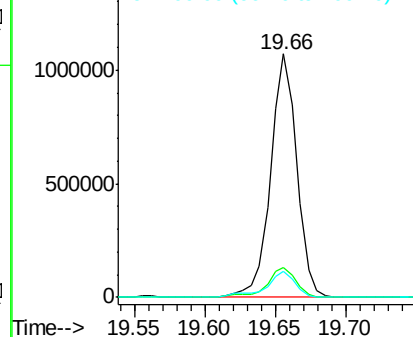
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	11.2	16.8
100	10.6	9.8	14.6

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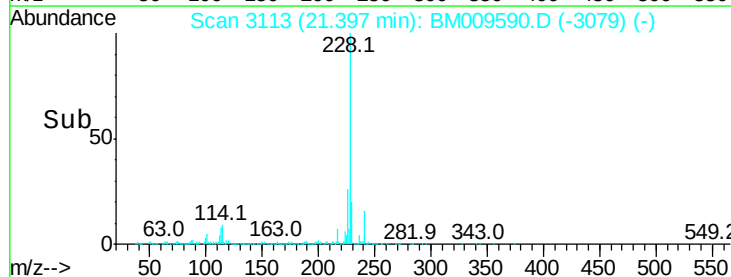
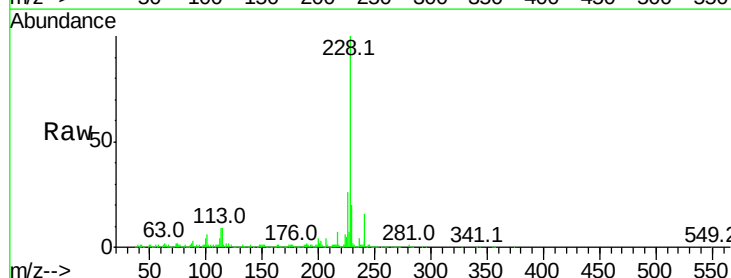
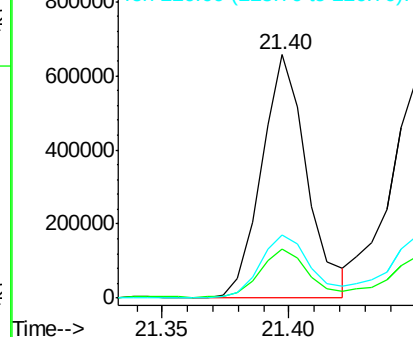
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

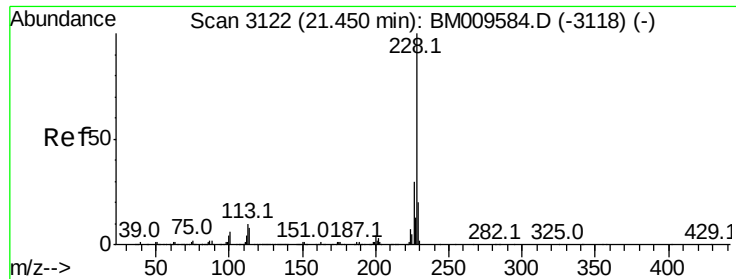


#21
Benzo(a)anthracene
Concen: 15.02 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9
226	25.8	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





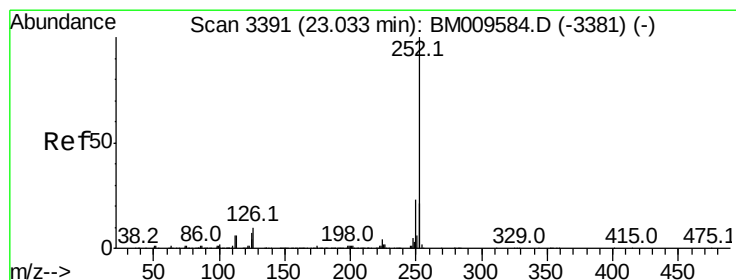
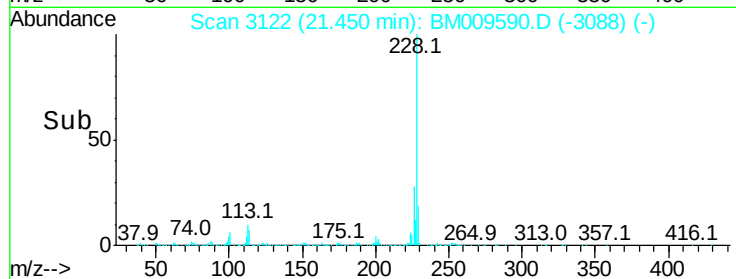
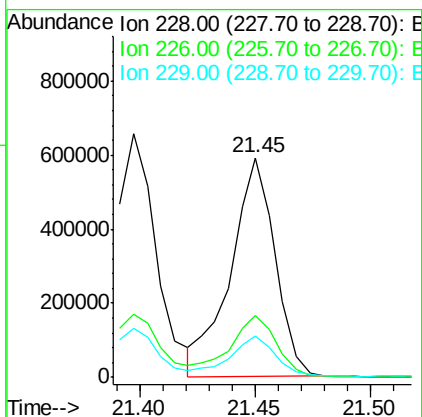
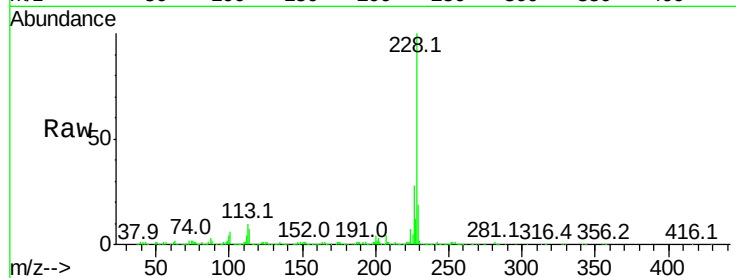
#22
Chrysene
Concen: 15.83 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Instrument :
BNA_M
ClientSampled :
CB331

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	25.0	37.6
229	18.9	16.6	25.0

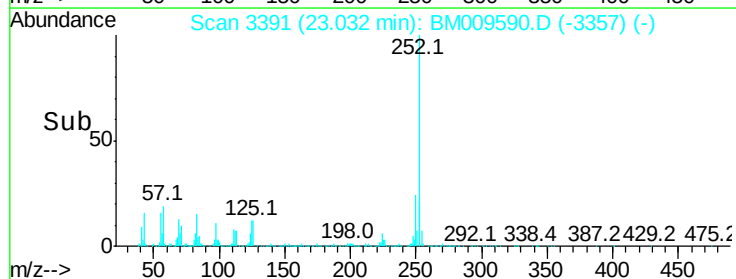
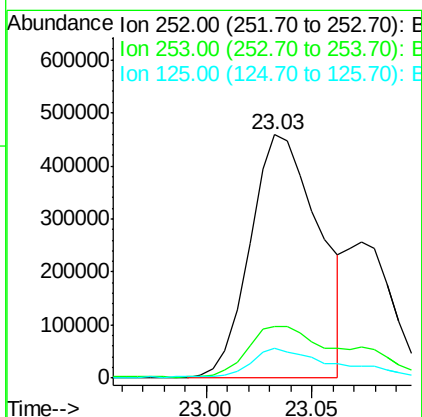
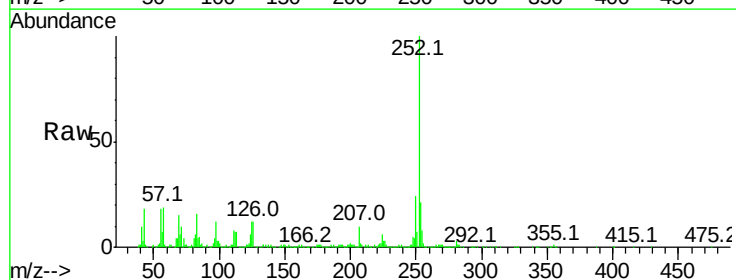
Manual Integrations
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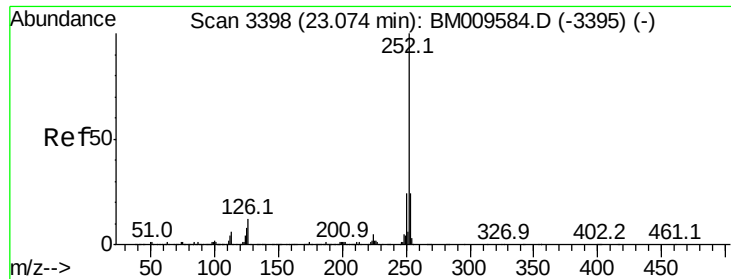
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#24
Benzo(b)fluoranthene
Concen: 17.96 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	12.4	9.4	14.0





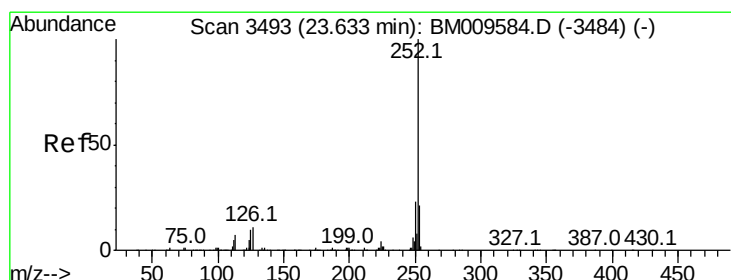
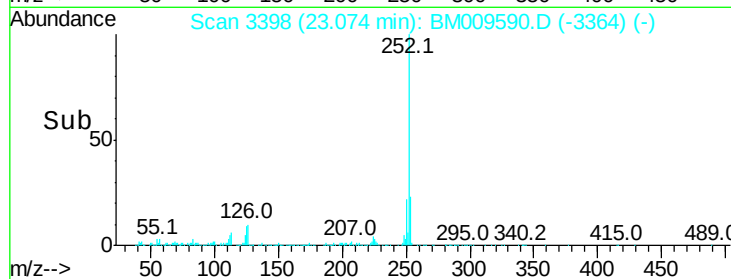
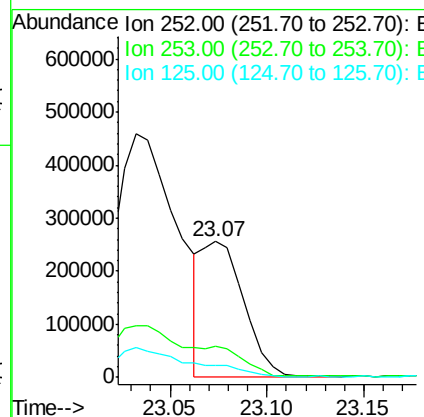
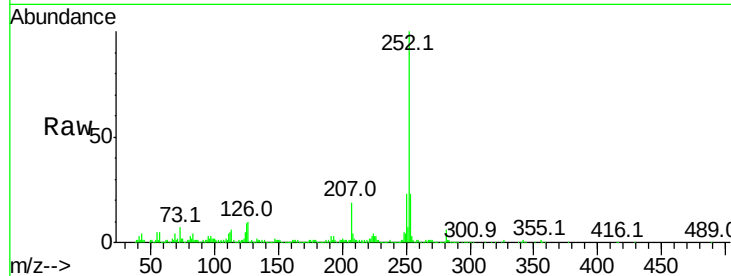
#25
Benzo(k)fluoranthene
Concen: 7.06 ng/ul m
RT: 23.07 min Scan# 3398
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Instrument :
BNA_M
ClientSampled :
CB331

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	8.9	8.8	13.2

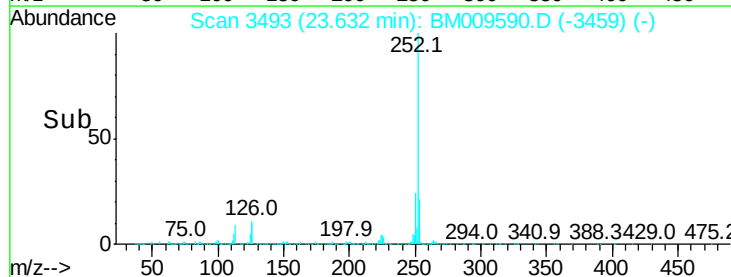
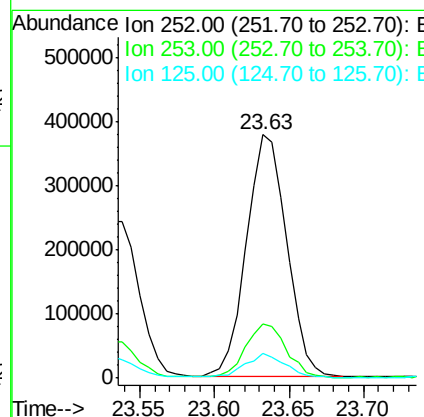
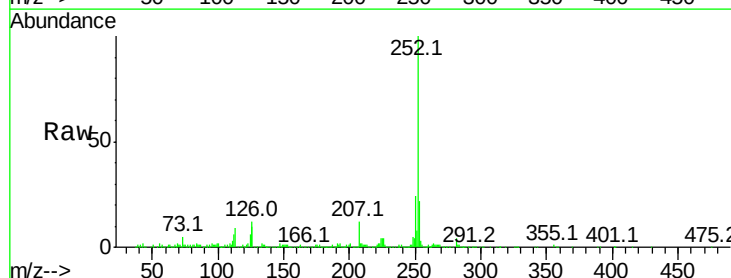
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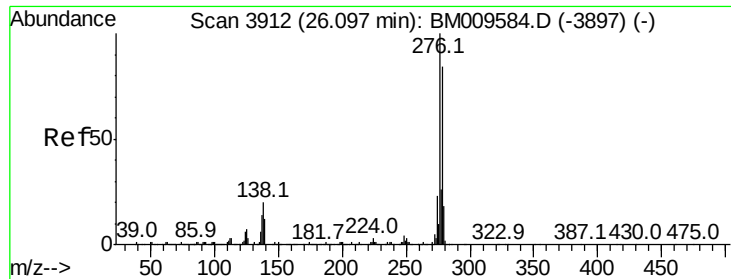
mohammad
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#27
Benzo(a)pyrene
Concen: 12.82 ng/ul
RT: 23.63 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BM009590.D
Acq: 06 Apr 2017 13:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.0	9.4	14.2





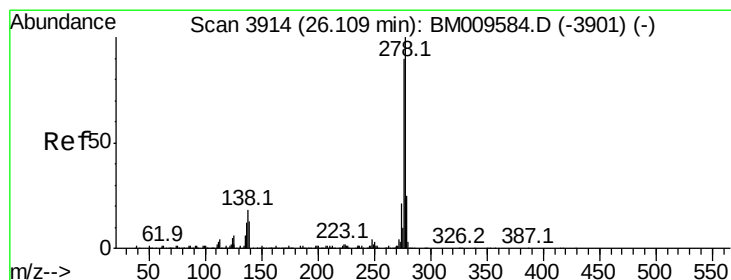
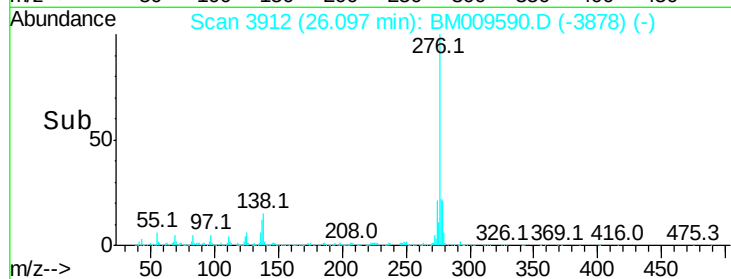
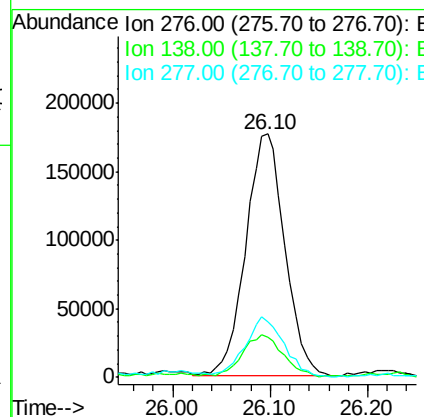
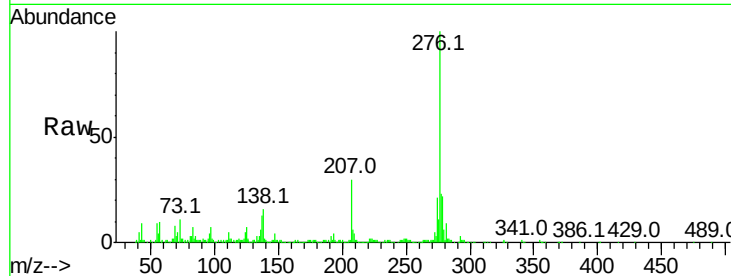
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 8.06 ng/ul
 RT: 26.10 min Scan# 3912
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Instrument :
 BNA_M
 ClientSampleId :
 CB331

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.3	17.8	26.6#
277	22.6	19.4	29.0

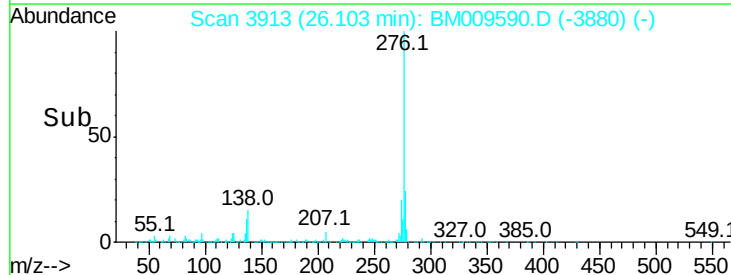
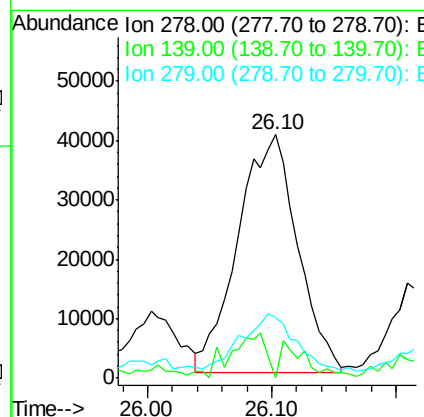
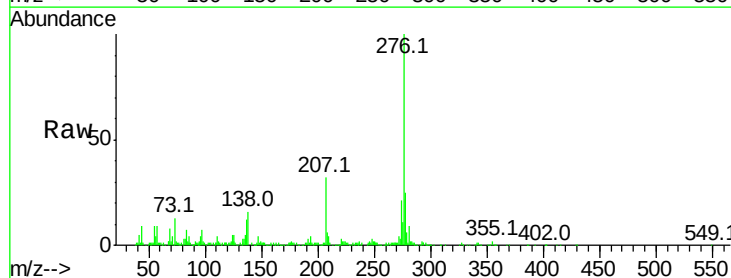
Manual Integrations
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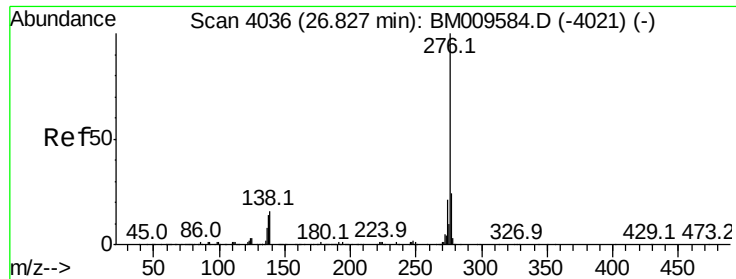
mohammad
 4/7/2017 2:09:55 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 2.55 ng/ul m
 RT: 26.10 min Scan# 3913
 Delta R.T. -0.01 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	24.6	20.6	31.0





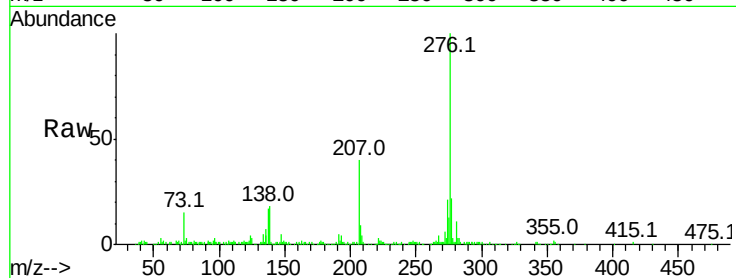
#30
 Benzo(a,h,i)perylene
 Concen: 8.31 ng/ul
 RT: 26.83 min Scan# 4036
 Delta R.T. -0.00 min
 Lab File: BM009590.D
 Acq: 06 Apr 2017 13:00

Instrument :
 BNA_M
 ClientSampleId :
 CB331

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	19.0	28.4#
277	21.8	19.7	29.5

Manual Integrations
 APPROVED

mohammad
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

