

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012510.D
 Acq On : 28 Oct 2017 06:04
 Operator : SJ/JU
 Sample : I5719-12 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-24(1.5-3.5)-100517

Manual Integrations
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Quant Time: Oct 30 06:27:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 30 05:30:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	492187	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1781867	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	973798	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2151158	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2523173	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	2889079	20.00	ng/ul	0.00

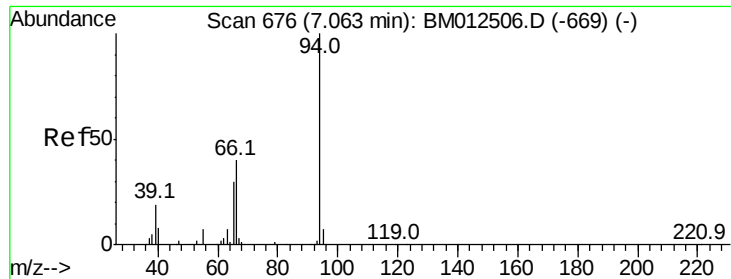
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	13528	1.40	ng/uL	0.00
5) Phenol-d5	7.04	99	219383	5.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	138924	5.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	182058	5.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	179615	5.11	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	82926	7.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	89013	7.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	174557	5.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	128007	3.99	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	509039	5.98	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	615255	6.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	58753	4.65	ng/ul	0.00
57) Fluorene-d10	15.49	176	433026	6.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	41873	4.02	ng/ul	0.00
70) Anthracene-d10	17.34	188	673918	6.57	ng/ul	0.00
76) Pyrene-d10	19.63	212	748248	6.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	848853	6.18	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	7.06	94	44896	1.049 ng/ul#	84
28) Naphthalene	10.71	128	357837	4.050 ng/ul	99
34) 2-Methylnaphthalene	12.32	142	130914	1.825 ng/ul	99
44) Dimethylphthalate	13.95	163	274953	3.267 ng/ul	98
49) Acenaphthene	14.56	153	213055	3.239 ng/ul	95
53) Dibenzofuran	14.90	168	346833	3.563 ng/ul	96
58) Fluorene	15.54	166	310918	3.776 ng/ul	95
69) Phenanthrene	17.29	178	5064631	43.536 ng/ul	99
71) Anthracene	17.37	178	1332459	11.082 ng/ul	99
72) Carbazole	17.64	167	317265	3.185 ng/ul	99
74) Fluoranthene	19.30	202	7026491	53.305 ng/ul#	92
77) Pyrene	19.66	202	6375334	44.432 ng/ul#	90
80) Benzo(a)anthracene	21.40	228	3569933	23.628 ng/ul	97
82) Chrysene	21.45	228	3143321	23.399 ng/ul	97
85) Benzo(b)fluoranthene	23.03	252	4629718	25.923 ng/ul#	97
86) Benzo(k)fluoranthene	23.07	252	1461023m	8.692 ng/ul	
88) Benzo(a)pyrene	23.62	252	3302524	19.395 ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.06	276	2521815	12.584 ng/ul	97
90) Dibenzo(a,h)anthracene	26.07	278	668047	3.932 ng/ul#	85
91) Benzo(g,h,i)perylene	26.78	276	2087442	12.852 ng/ul#	96

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



#6

Phenol

Concen: 1.049 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM012510.D

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Instrument :

BNA_M

ClientSampleId :

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Tot Ion: 94 Resp: 44896

Ion Ratio Lower Upper

94 100

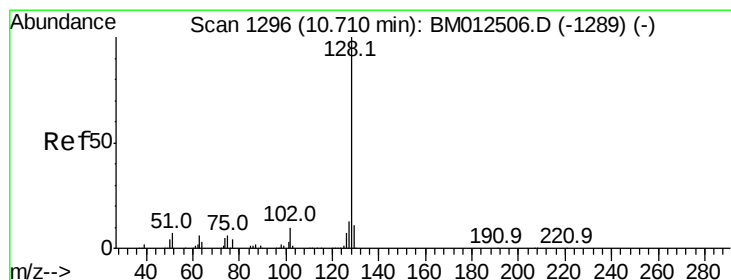
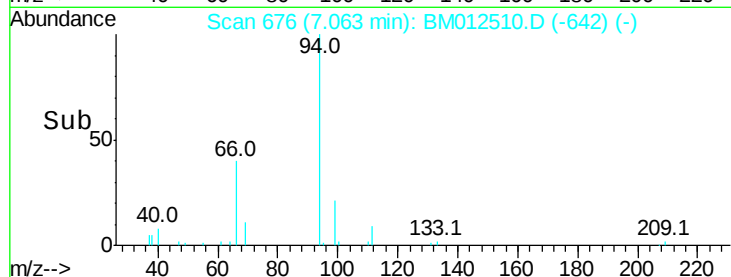
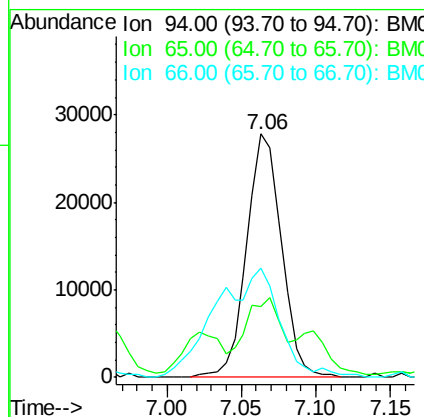
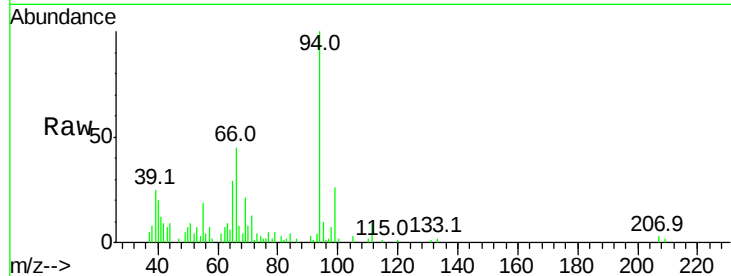
65 29.1 28.2 42.4

66 45.1 47.2 70.8#

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#28

Naphthalene

Concen: 4.050 ng/ul

RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

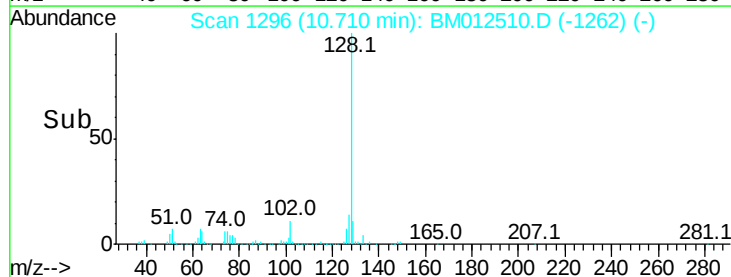
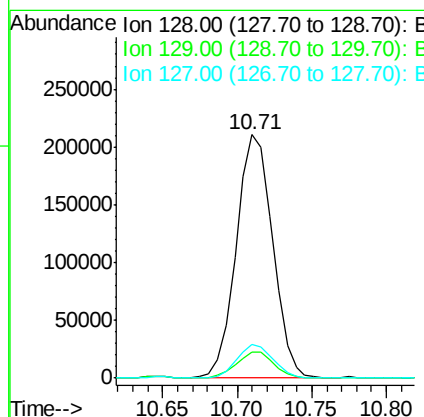
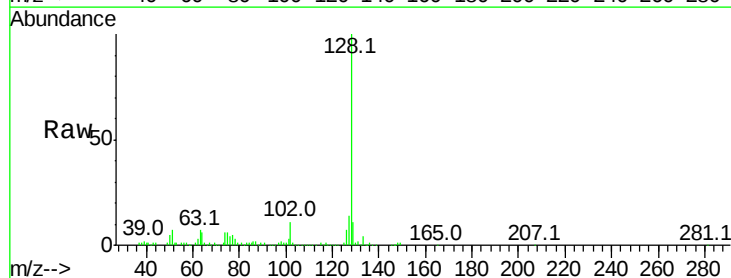
Tgt Ion: 128 Resp: 357837

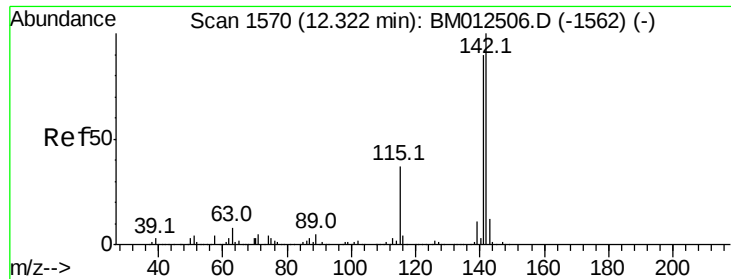
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.9 10.6 16.0





#34

2-Methylnaphthalene

Concen: 1.825 ng/ul

RT: 12.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

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Tot Ion:142 Resp: 130914

Ion Ratio Lower Upper

142 100

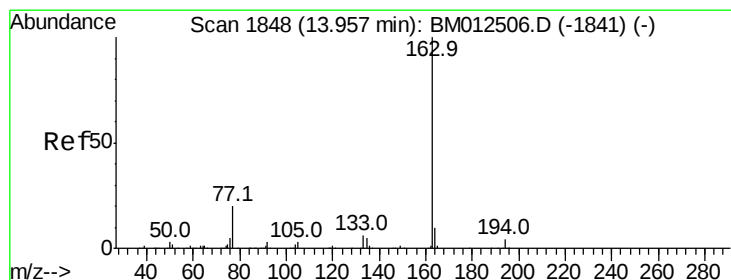
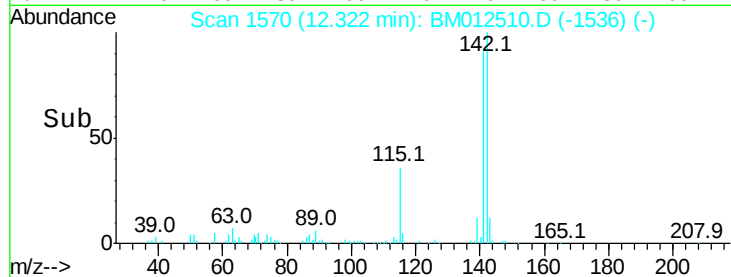
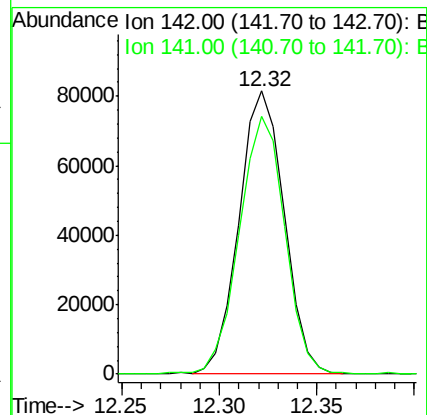
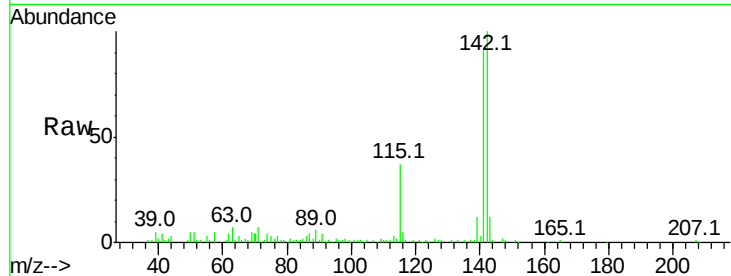
141 91.2 74.1 111.1

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#44

Dimethylphthalate

Concen: 3.267 ng/ul

RT: 13.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

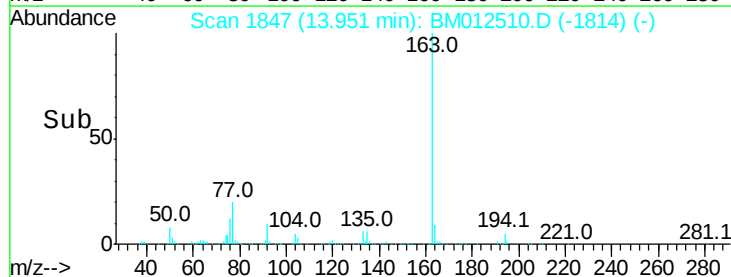
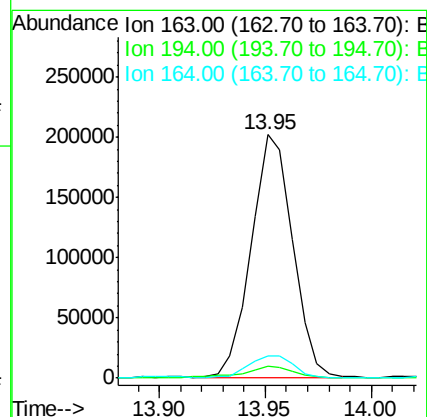
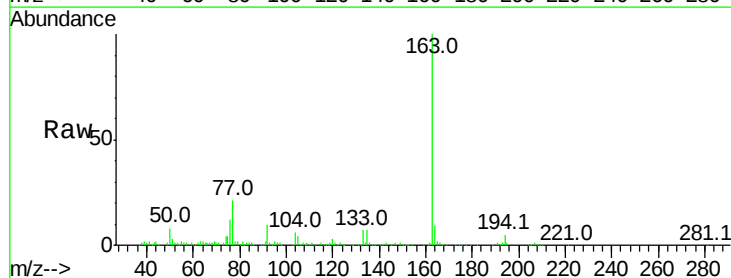
Tgt Ion:163 Resp: 274953

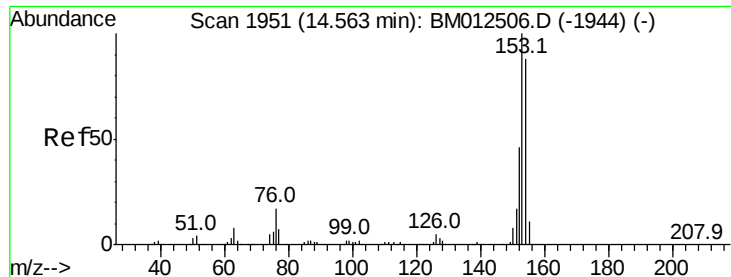
Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

164 9.3 8.2 12.4





#49

Acenaphthene

Concen: 3.239 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

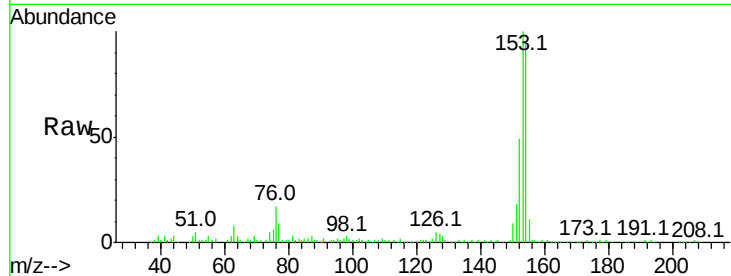
ClientSampleId :

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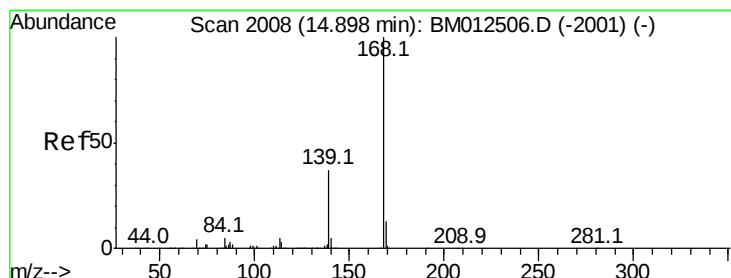
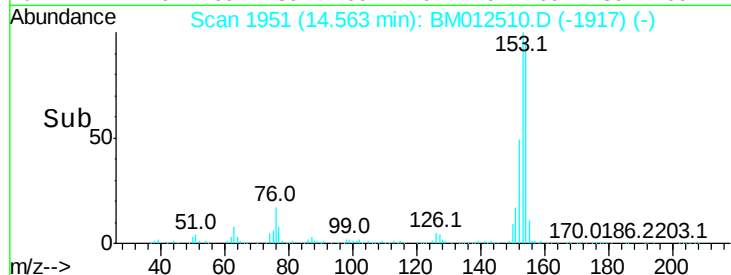
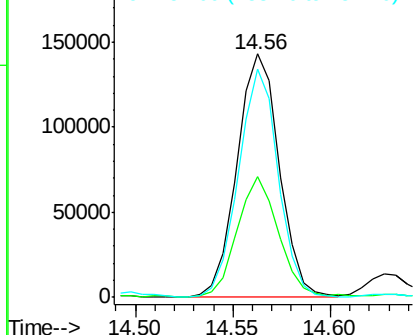
Tot Ion:	153	Resp:	213055
Ion Ratio	Lower	Upper	
153	100		
152	49.5	37.6	56.4
154	93.9	70.4	105.6

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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



#53

Dibenzofuran

Concen: 3.563 ng/ul

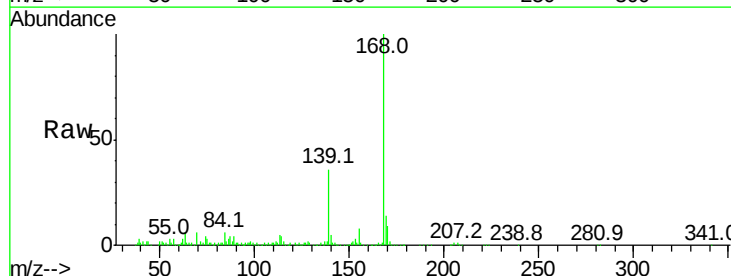
RT: 14.90 min Scan# 2008

Delta R.T. 0.00 min

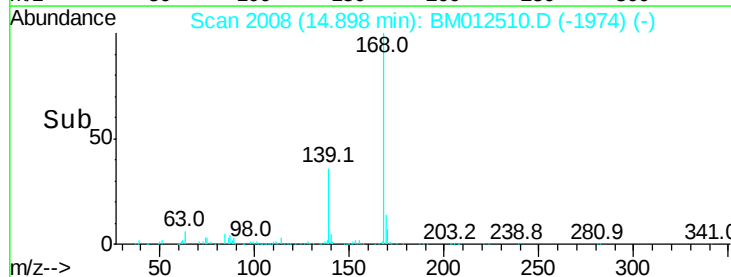
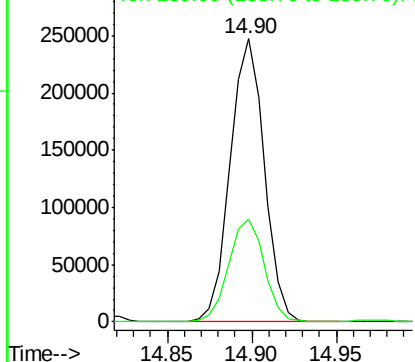
Lab File: BM012510.D

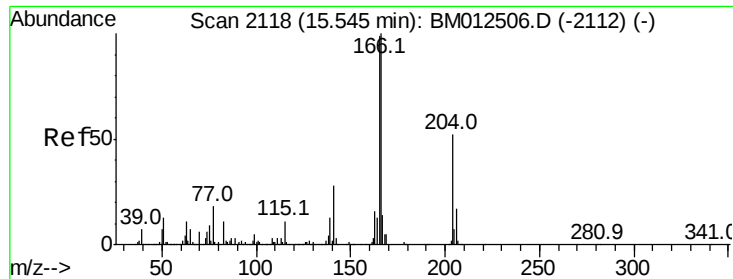
Acq: 28 Oct 2017 06:04

Tgt Ion:	168	Resp:	346833
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





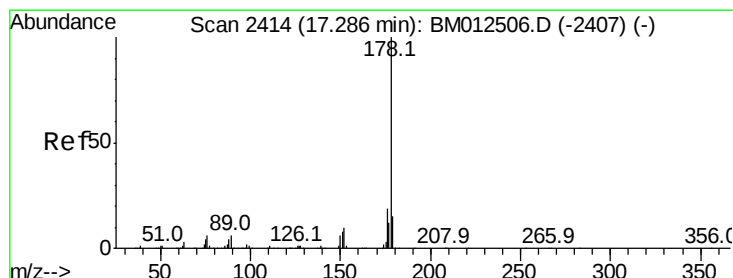
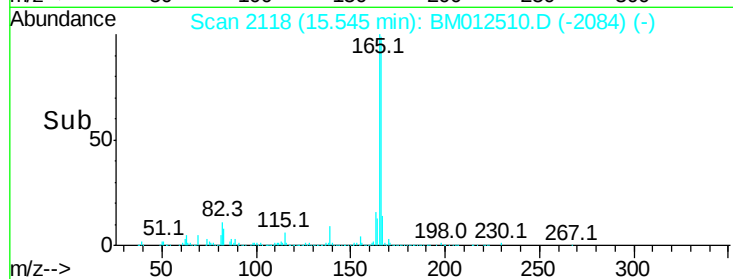
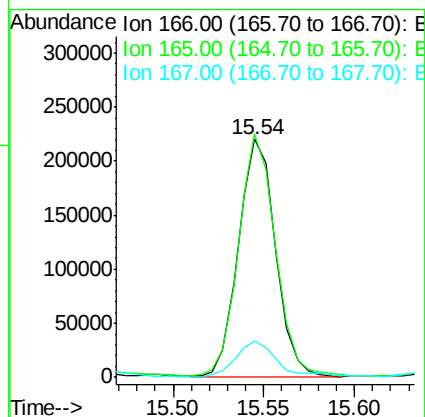
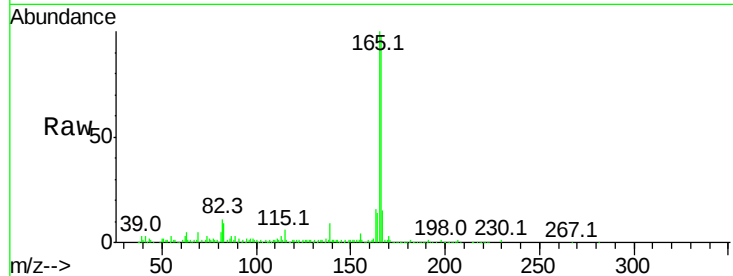
#58
 Fluorene
 Concen: 3.776 ng/ul
 RT: 15.54 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BM012510.D
 Acq: 28 Oct 2017 06:04

Instrument :
 BNA_M
 ClientSampleId :
 B-24(1.5-3.5)-100517

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.2	77.9	116.9
167	15.0	10.6	16.0

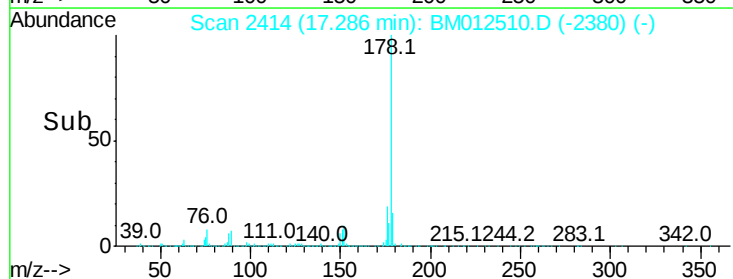
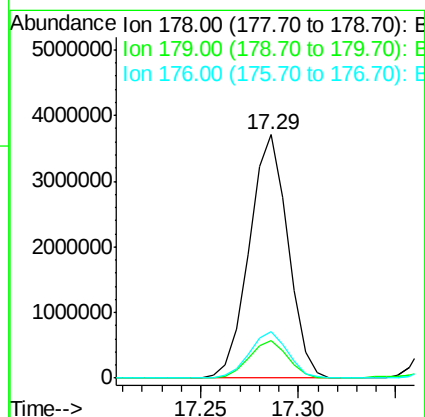
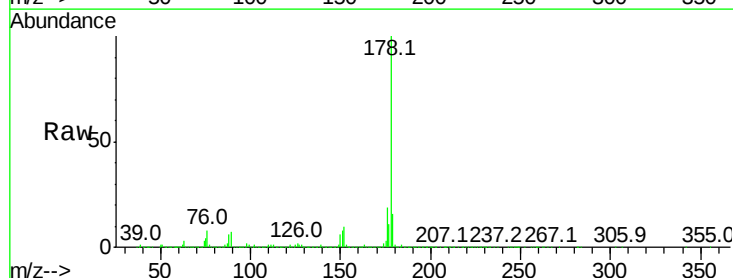
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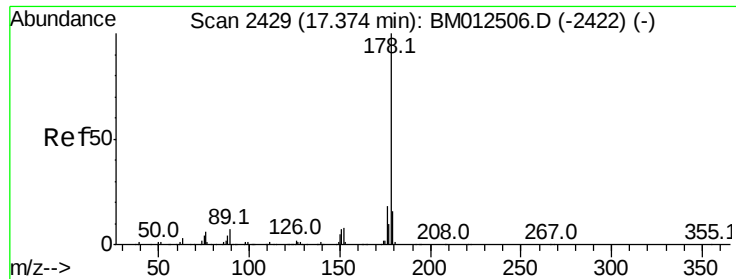
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#69
 Phenanthrene
 Concen: 43.536 ng/ul
 RT: 17.29 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BM012510.D
 Acq: 28 Oct 2017 06:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.1	14.9	22.3





#71

Anthracene

Concen: 11.082 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

ClientSampleId :

B-24(1.5-3.5)-100517

Tot Ion:178 Resp: 1332459

Ion Ratio Lower Upper

178 100

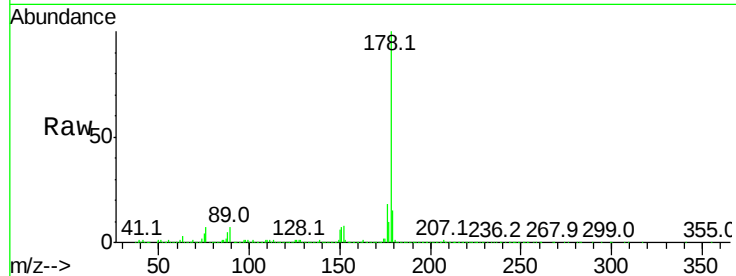
179 15.4 11.7 17.5

176 18.4 14.6 21.8

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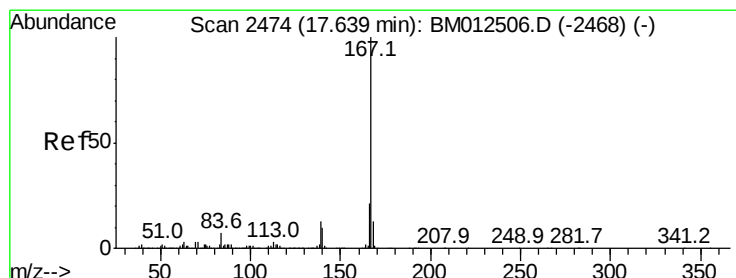
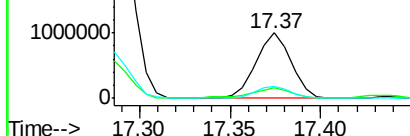
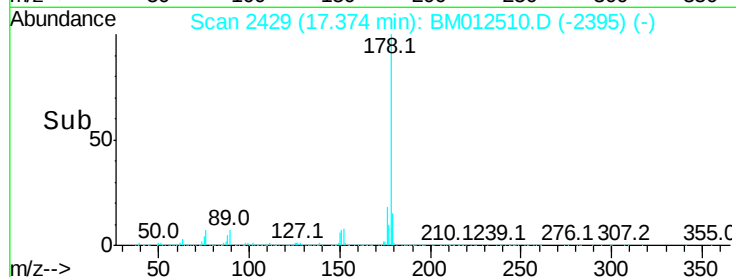
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 3.185 ng/ul

RT: 17.64 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

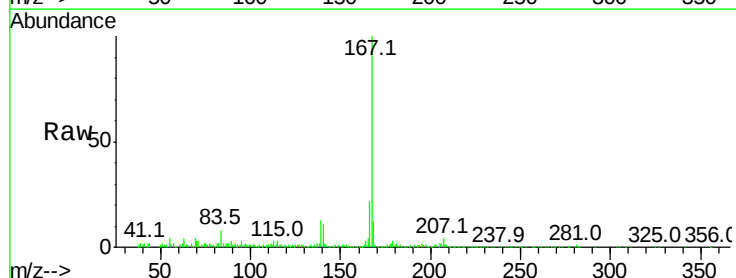
Tgt Ion:167 Resp: 317265

Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

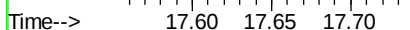
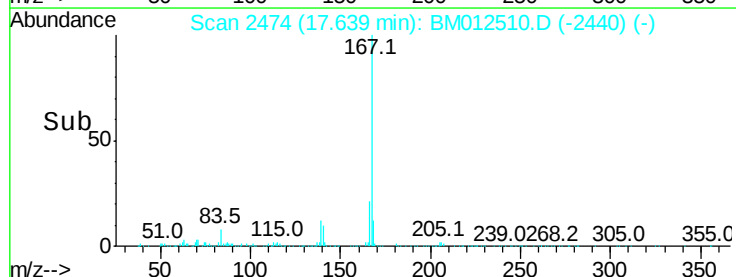
139 12.7 10.0 15.0

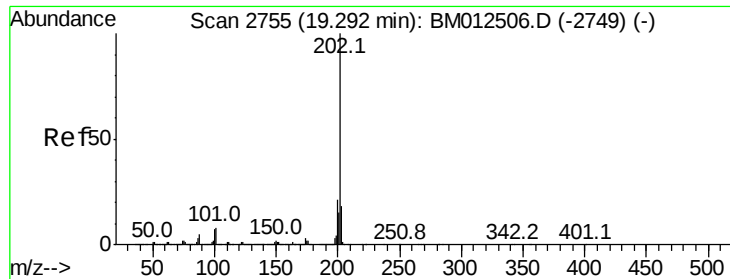


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 53.305 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM012510.D

Acq: 28 Oct 2017 06:04

Instrument :

BNA_M

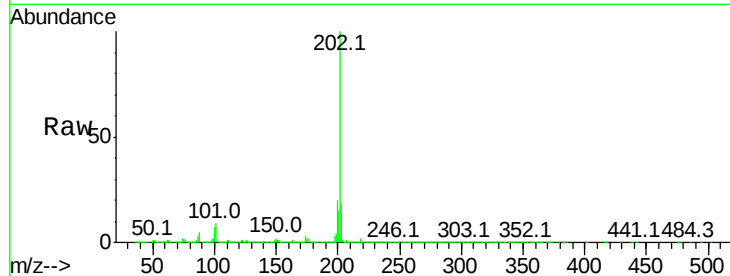
ClientSampleId :

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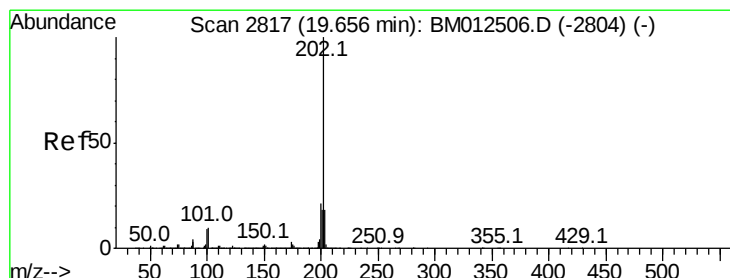
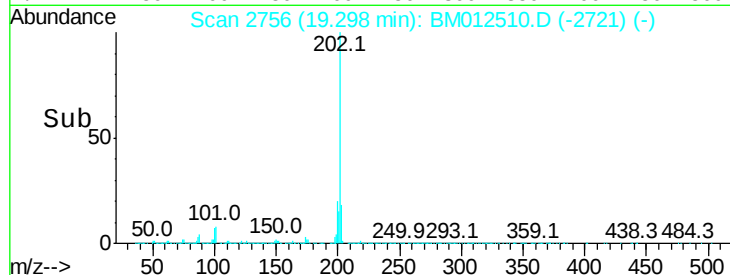
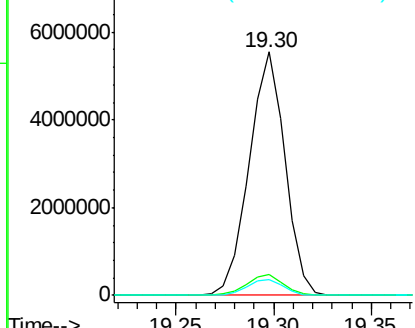
Tot Ion:	202	Resp:	7026491
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.6	3.4	5.2#

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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



#77

Pyrene

Concen: 44.432 ng/ul

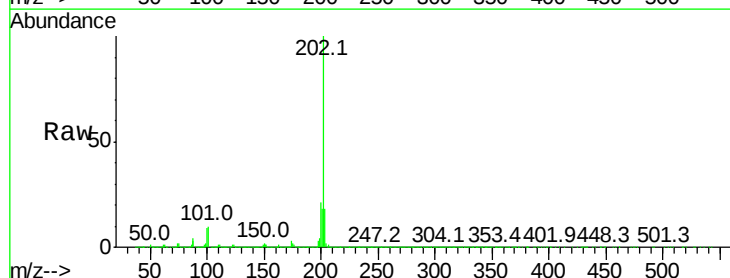
RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

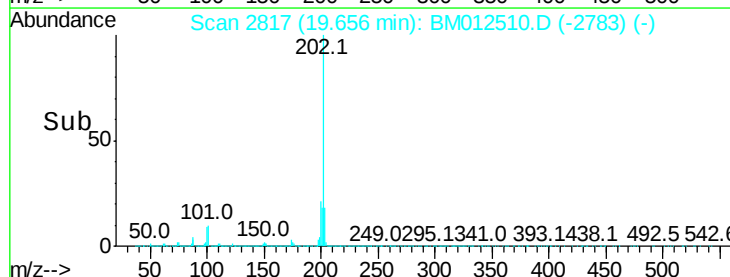
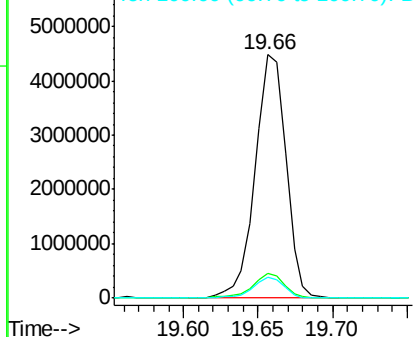
Lab File: BM012510.D

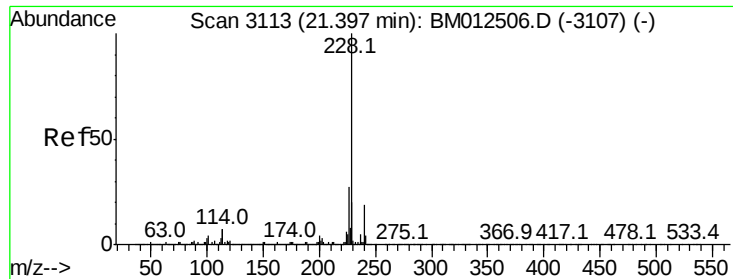
Acq: 28 Oct 2017 06:04

Tgt Ion:	202	Resp:	6375334
Ion Ratio	Lower	Upper	
202	100		
101	10.4	5.1	7.7#
100	8.6	4.9	7.3#



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





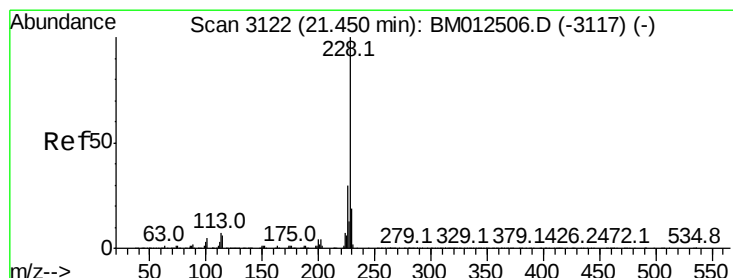
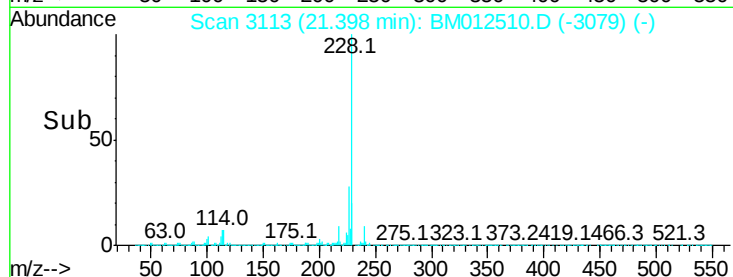
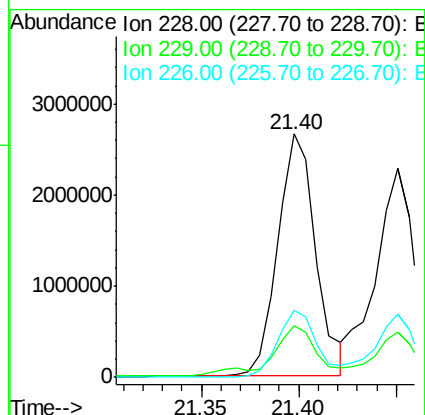
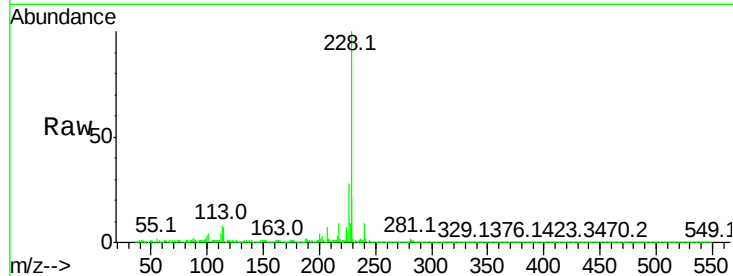
#80
Benzo(a)anthracene
Concen: 23.628 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Instrument :
BNA_M
ClientSampleId :
B-24(1.5-3.5)-100517

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.4	23.0
226	27.8	21.4	32.0

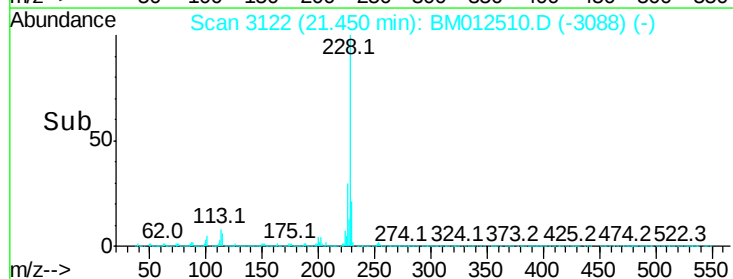
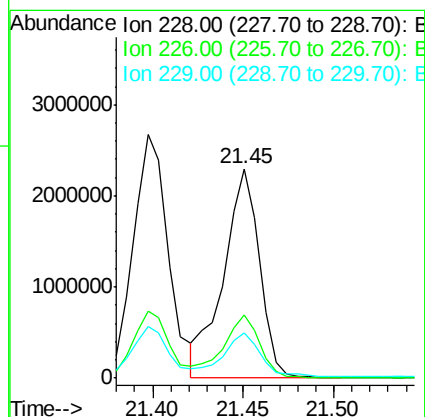
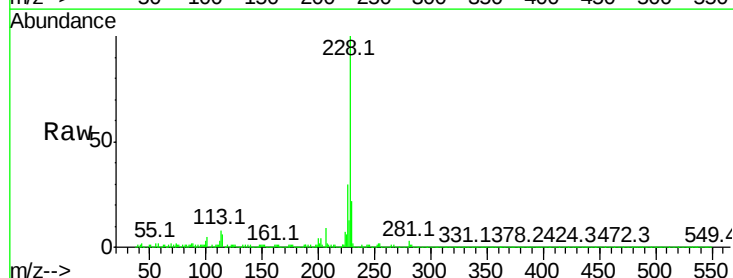
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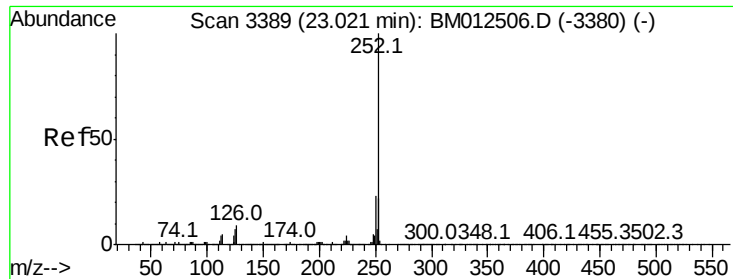
Sohil
10/30/2017 6:30:28 PM



#82
Chrysene
Concen: 23.399 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	21.7	15.5	23.3





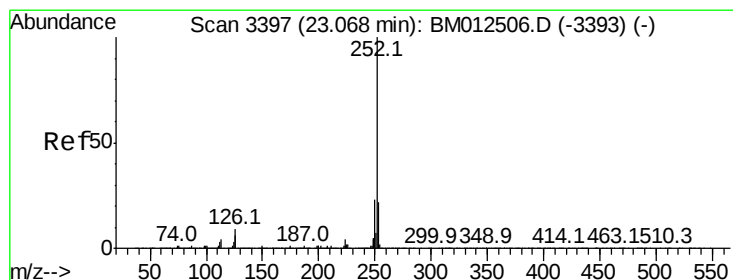
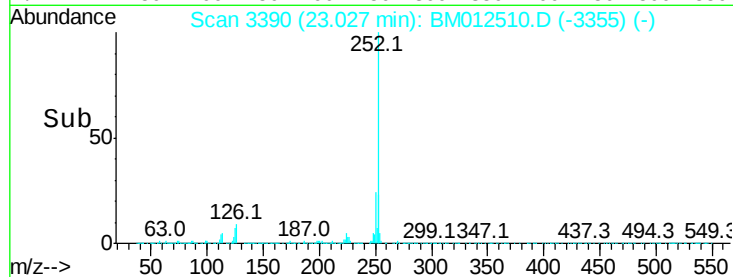
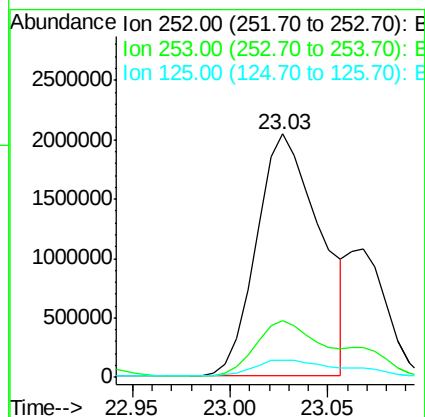
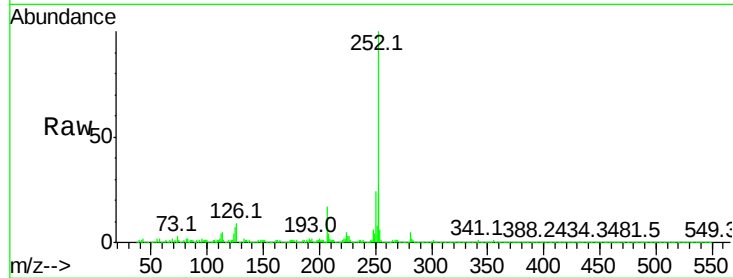
#85
Benzo(b)fluoranthene
Concen: 25.923 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Instrument :
BNA_M
ClientSampleId :
B-24(1.5-3.5)-100517

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	7.2	3.6	5.4

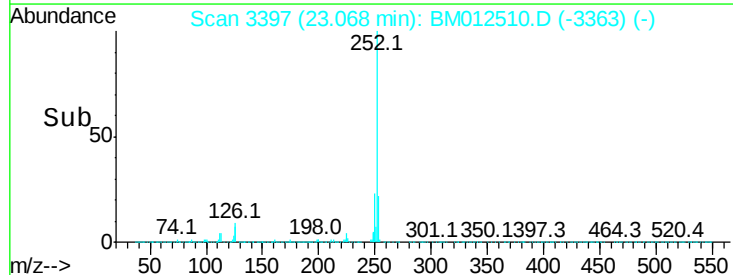
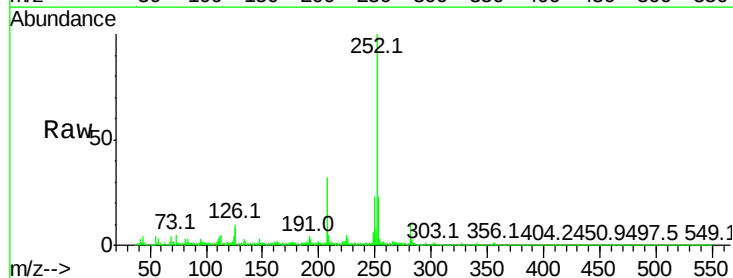
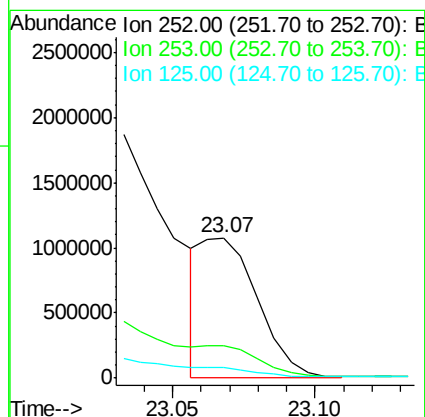
Manual Integrations
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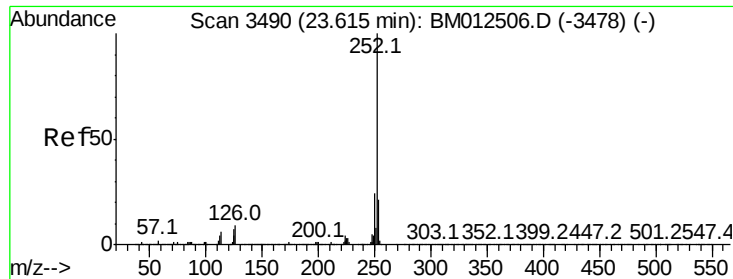
Sohil
10/30/2017 6:30:28 PM



#86
Benzo(k)fluoranthene
Concen: 8.692 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	7.8	3.4	5.2





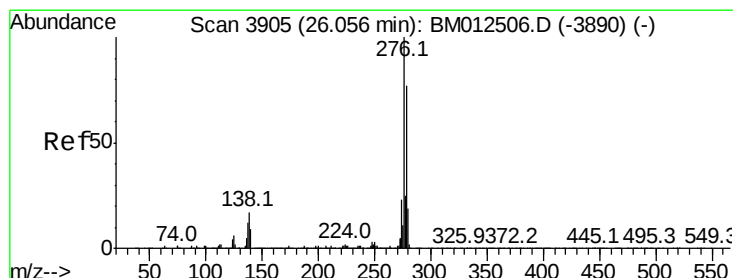
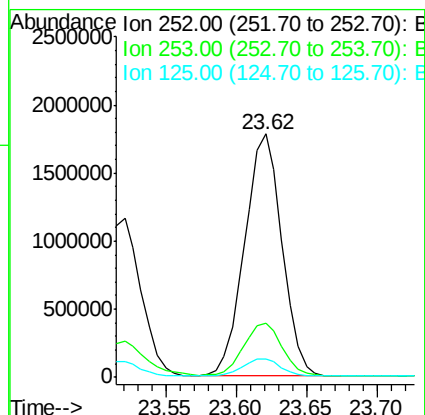
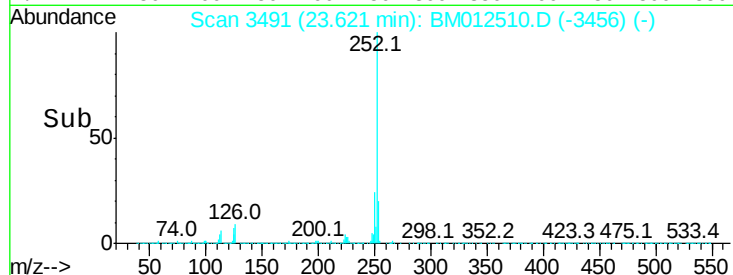
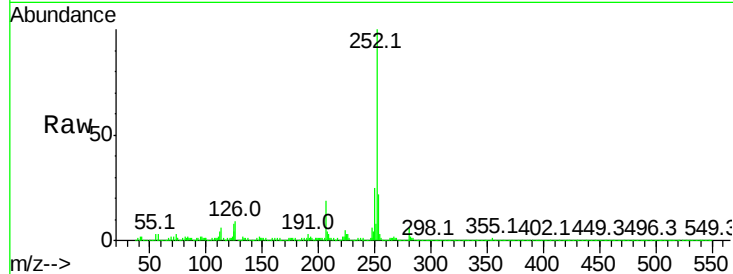
#88
Benzo(a)pyrene
Concen: 19.395 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Instrument :
BNA_M
ClientSampleId :
B-24(1.5-3.5)-100517

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	7.8	4.0	6.0

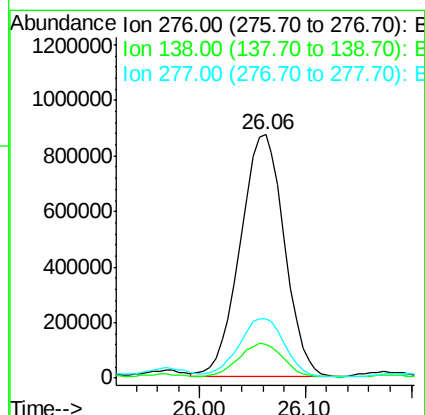
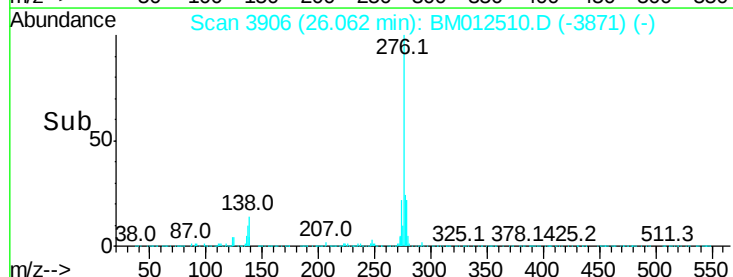
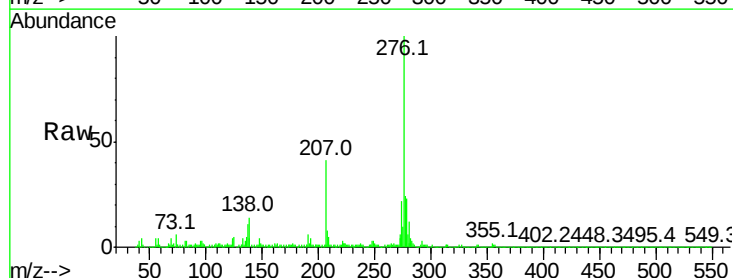
Manual Integrations
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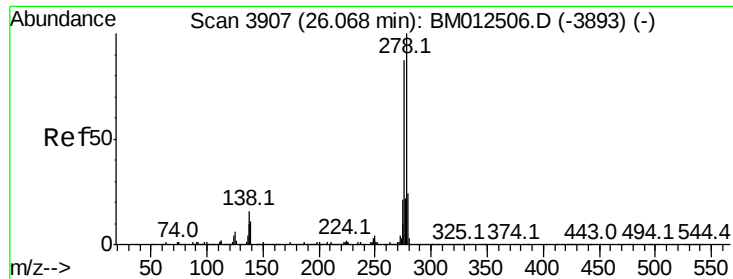
Sohil
10/30/2017 6:30:28 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 12.584 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. 0.01 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	9.3	13.9
277	24.4	19.9	29.9





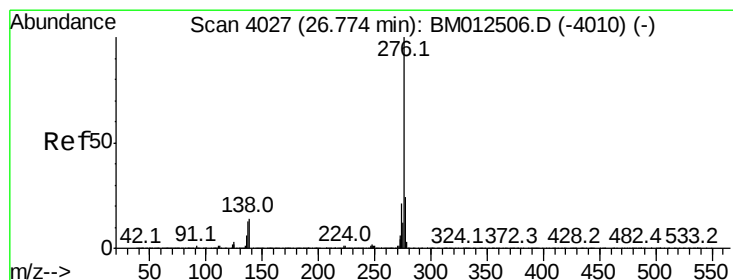
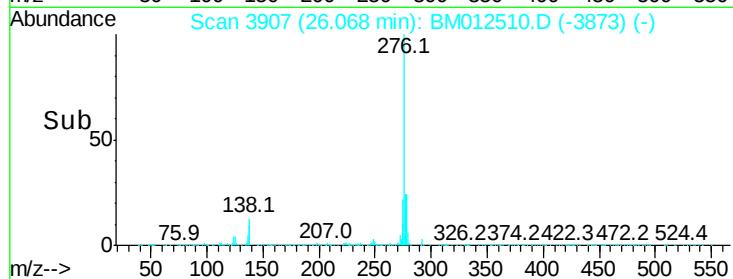
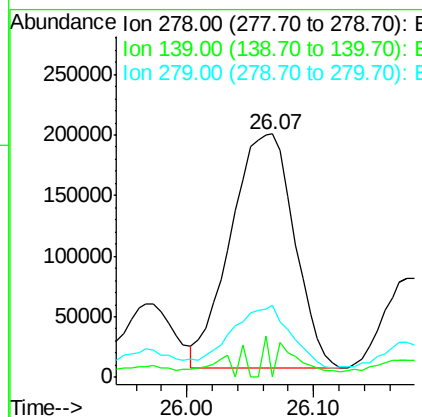
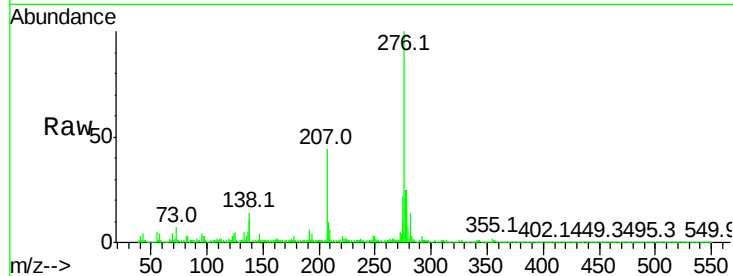
#90
Dibenzo(a,h)anthracene
Concen: 3.932 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.00 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Instrument :
BNA_M
ClientSampleId :
B-24(1.5-3.5)-100517

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	29.6	18.6	27.8#

Manual Integrations
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10/30/2017 6:30:28 PM



#91
Benzo(g,h,i)perylene
Concen: 12.852 ng/ul
RT: 26.78 min Scan# 4028
Delta R.T. 0.01 min
Lab File: BM012510.D
Acq: 28 Oct 2017 06:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	8.5	12.7#
277	24.3	18.6	28.0

