

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012512.D
 Acq On : 28 Oct 2017 07:16
 Operator : SJ/JU
 Sample : I5719-21 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DUP-3

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 06:39:42 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	620197	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	2320093	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1261920	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2609234	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2662628	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	3011245	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	12967	1.07	ng/uL	0.00
5) Phenol-d5	7.03	99	229272	4.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	151920	4.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	188934	4.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	189195	4.27	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	91558	6.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	99102	6.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	187952	4.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	135857	3.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	560942	5.09	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	689679	5.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	51432	3.14	ng/ul	0.00
57) Fluorene-d10	15.49	176	476561	5.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	38980	3.09	ng/ul	0.00
70) Anthracene-d10	17.34	188	679028	5.46	ng/ul	0.00
76) Pyrene-d10	19.63	212	700104	5.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	741467	5.18	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.06	94	68868	1.277	ng/ul#	87
28) Naphthalene	10.71	128	495248	4.305	ng/ul	99
34) 2-Methylnaphthalene	12.32	142	206345	2.209	ng/ul	96
44) Dimethylphthalate	13.95	163	290359	2.663	ng/ul	99
49) Acenaphthene	14.56	153	380318	4.461	ng/ul	98
53) Dibenzofuran	14.90	168	588957	4.669	ng/ul	97
58) Fluorene	15.55	166	542073	5.081	ng/ul	99
69) Phenanthrene	17.29	178	7777224	55.117	ng/ul	98
71) Anthracene	17.37	178	2093508	14.355	ng/ul	98
72) Carbazole	17.64	167	465239	3.851	ng/ul	100
74) Fluoranthene	19.30	202	8939640	55.912	ng/ul#	92
77) Pyrene	19.66	202	7805418	51.550	ng/ul#	90
80) Benzo(a)anthracene	21.40	228	4154357	26.055	ng/ul	98
82) Chrysene	21.45	228	3614163	25.494	ng/ul	96
85) Benzo(b)fluoranthene	23.03	252	5255102	28.231	ng/ul#	98
86) Benzo(k)fluoranthene	23.07	252	1585580m	9.050	ng/ul	
88) Benzo(a)pyrene	23.62	252	3687738	20.778	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.06	276	2760753	13.217	ng/ul#	98
90) Dibenzo(a,h)anthracene	26.06	278	737416	4.164	ng/ul#	89
91) Benzo(g,h,i)perylene	26.78	276	2302777	13.603	ng/ul#	94

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

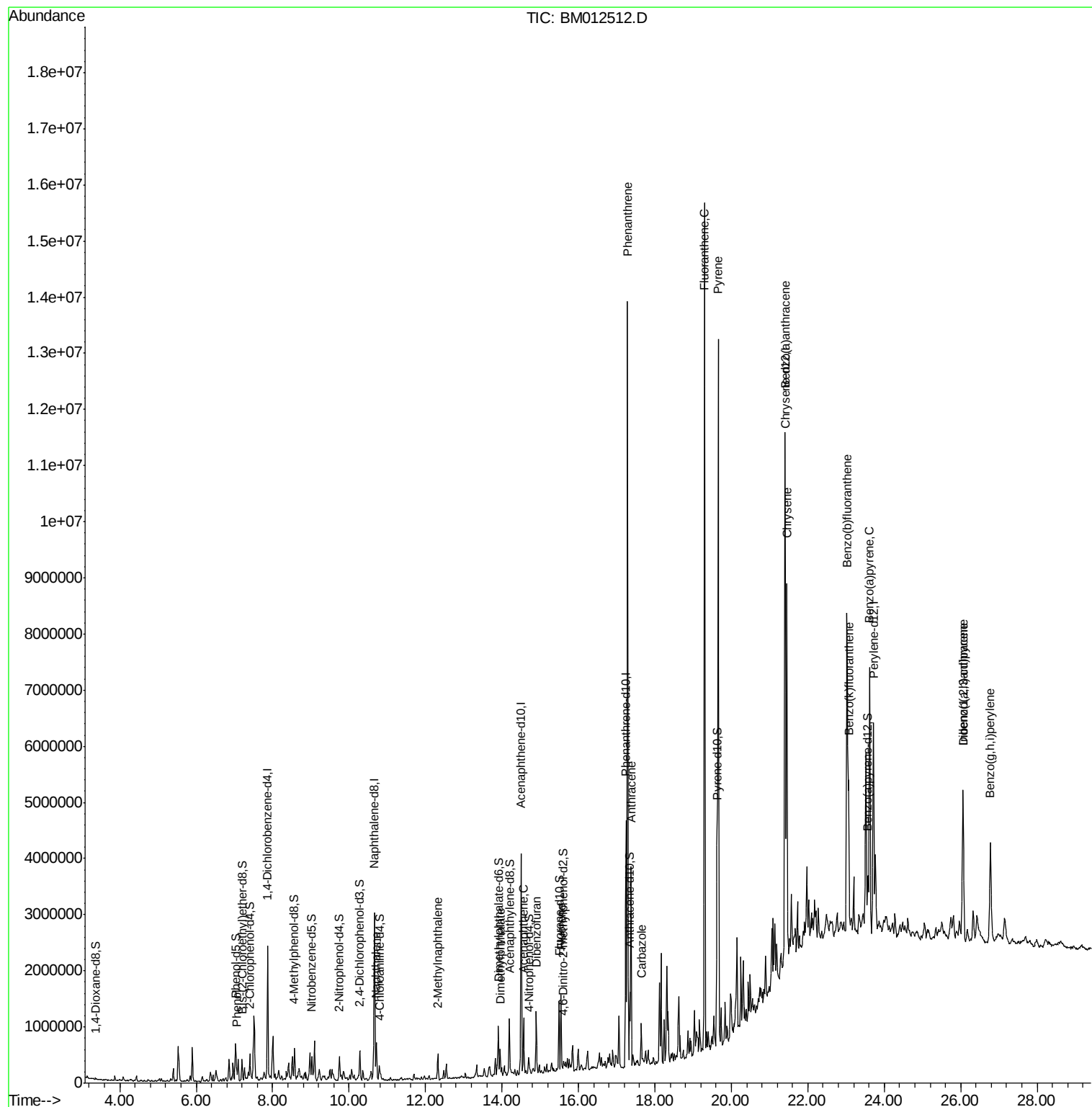
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012512.D
Acq On : 28 Oct 2017 07:16
Operator : SJ/JU
Sample : I5719-21 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

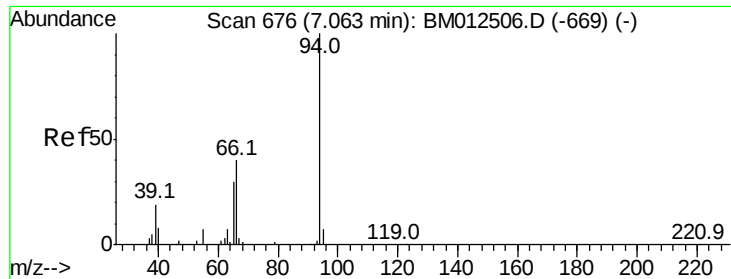
Instrument :
BNA_M
ClientSampled :
DUP-3

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

Quant Time: Oct 30 06:39:42 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





#6

Phenol

Concen: 1.277 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM012512.D

Acq: 28 Oct 2017 07:16

Instrument :

BNA_M

ClientSampled :

DUP-3

Tot Ion: 94 Resp: 68868

Ion Ratio Lower Upper

94 100

65 31.0 28.2 42.4

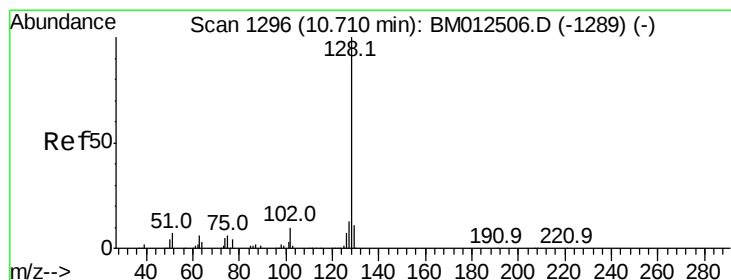
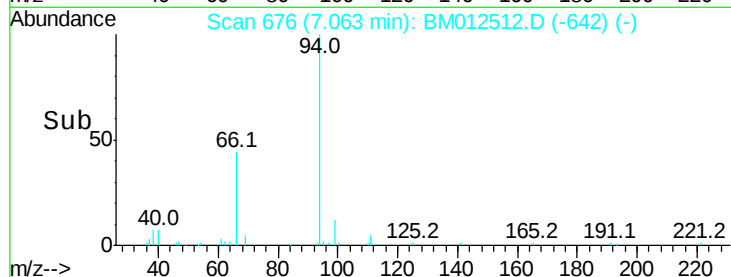
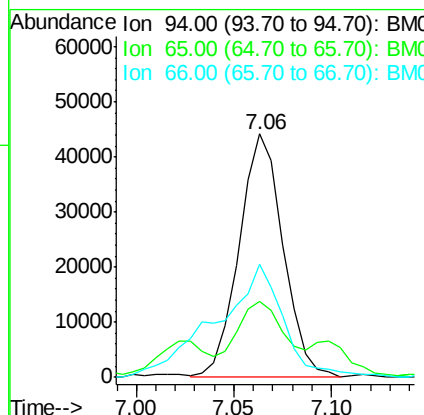
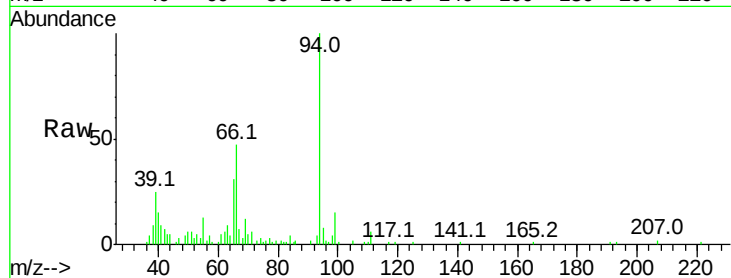
66 46.6 47.2 70.8#

Manual Integrations

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#28

Naphthalene

Concen: 4.305 ng/ul

RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM012512.D

Acq: 28 Oct 2017 07:16

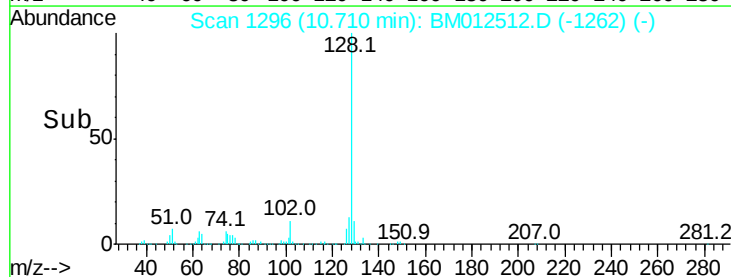
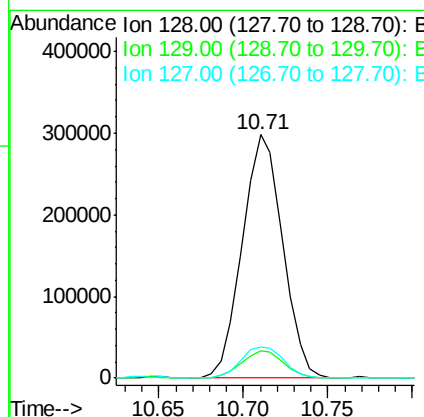
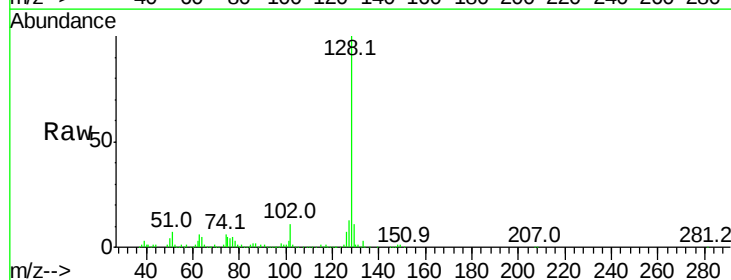
Tgt Ion: 128 Resp: 495248

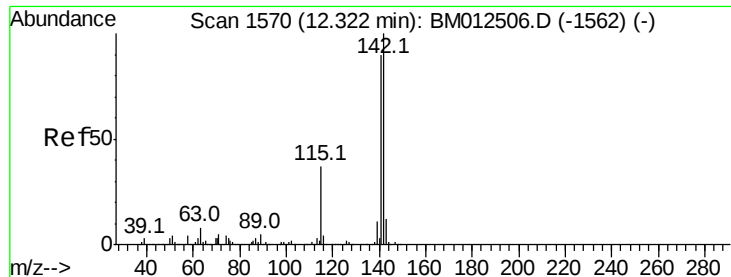
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.0 10.6 16.0





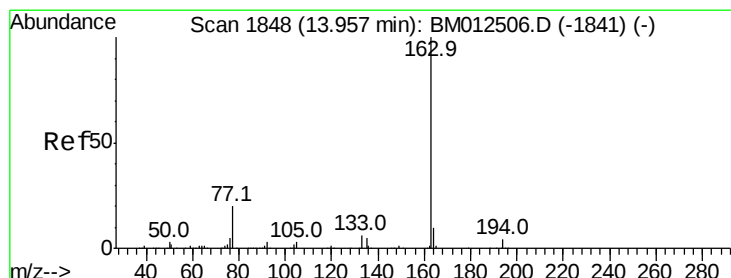
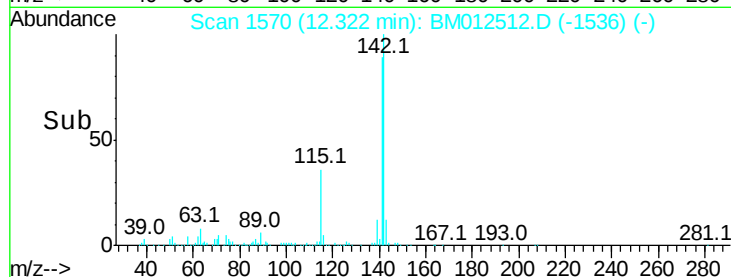
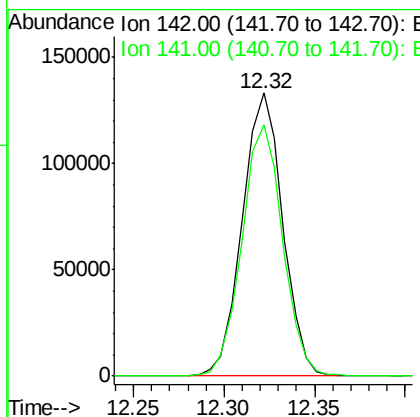
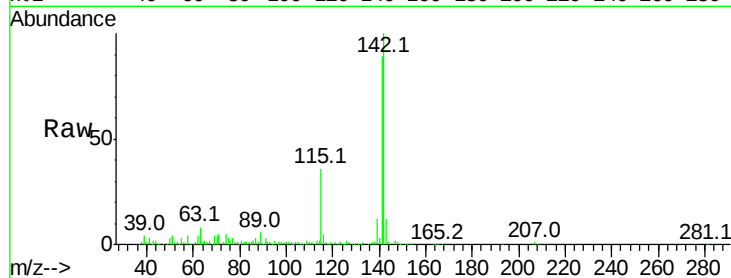
#34
 2-Methylnaphthalene
 Concen: 2.209 ng/ul
 RT: 12.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BM012512.D
 Acq: 28 Oct 2017 07:16

Instrument :
 BNA_M
 ClientSampleID :
 DUP-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	74.1	111.1

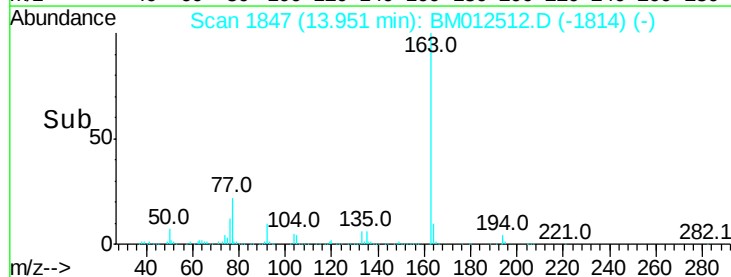
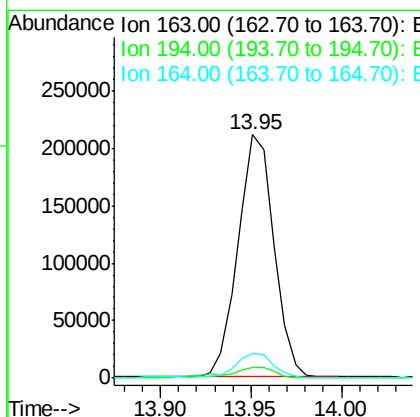
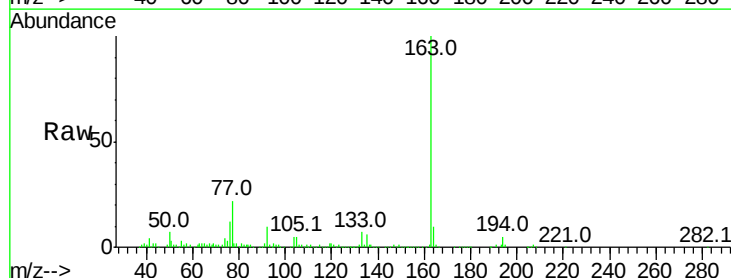
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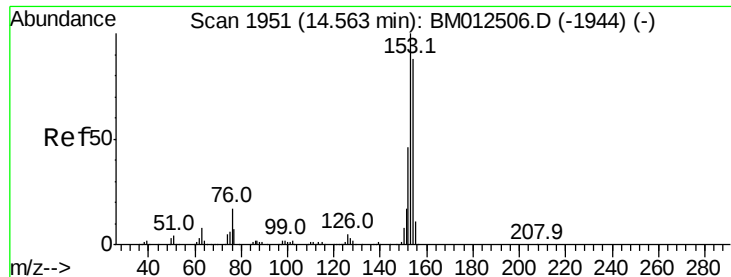
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#44
 Dimethylphthalate
 Concen: 2.663 ng/ul
 RT: 13.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BM012512.D
 Acq: 28 Oct 2017 07:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.0	8.2	12.4





#49

Acenaphthene

Concen: 4.461 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BM012512.D

Acq: 28 Oct 2017 07:16

Instrument :

BNA_M

ClientSampled :

DUP-3

Tot Ion:153 Resp: 380318

Ion Ratio Lower Upper

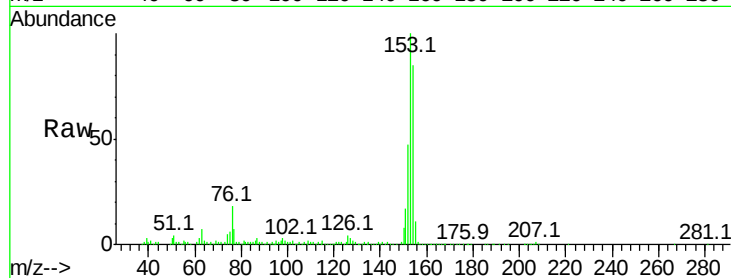
153 100

152 46.5 37.6 56.4

154 85.3 70.4 105.6

Manual Integrations
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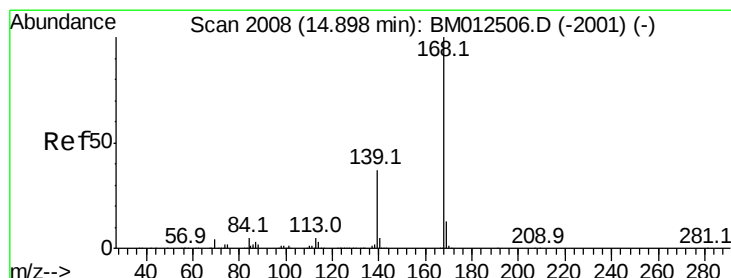
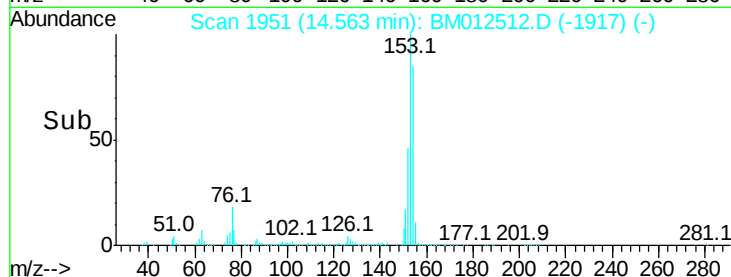
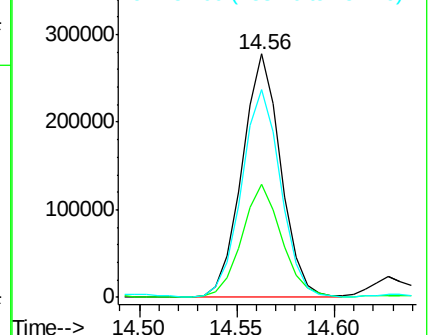
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 4.669 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BM012512.D

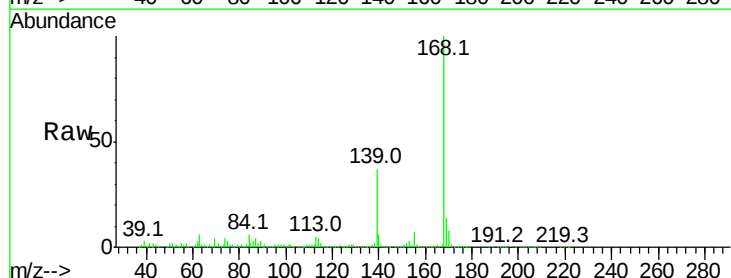
Acq: 28 Oct 2017 07:16

Tgt Ion:168 Resp: 588957

Ion Ratio Lower Upper

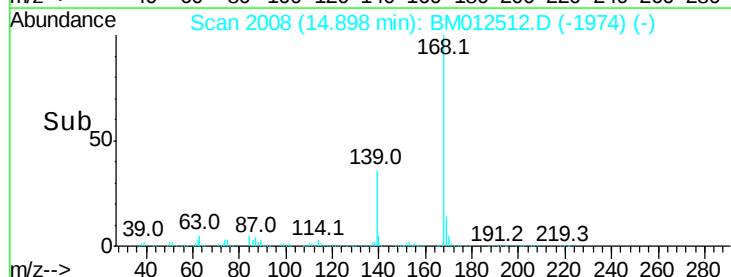
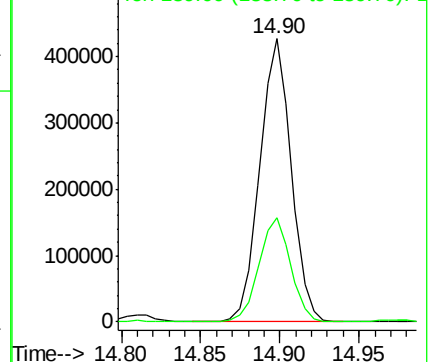
168 100

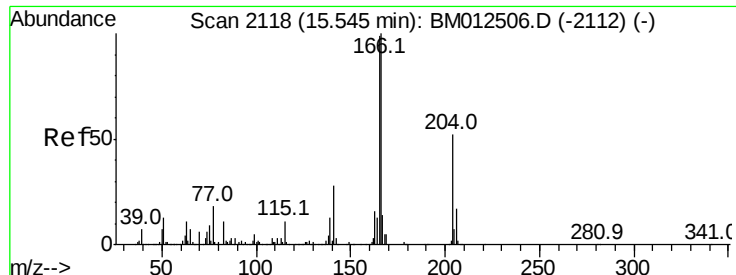
139 36.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





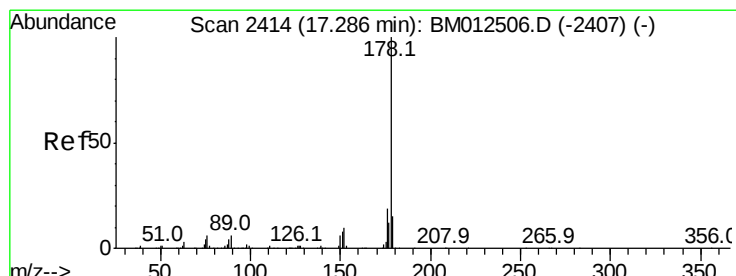
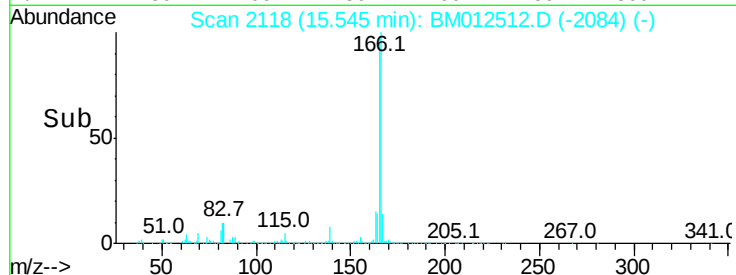
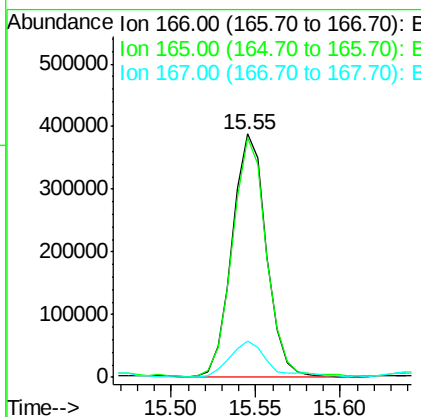
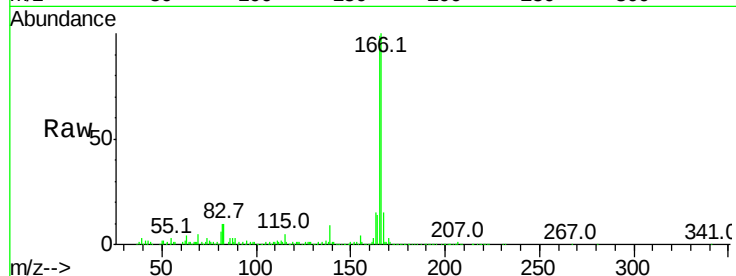
#58
 Fluorene
 Concen: 5.081 ng/ul
 RT: 15.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BM012512.D
 Acq: 28 Oct 2017 07:16

Instrument :
 BNA_M
 ClientSampleID :
 DUP-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.9	116.9
167	14.7	10.6	16.0

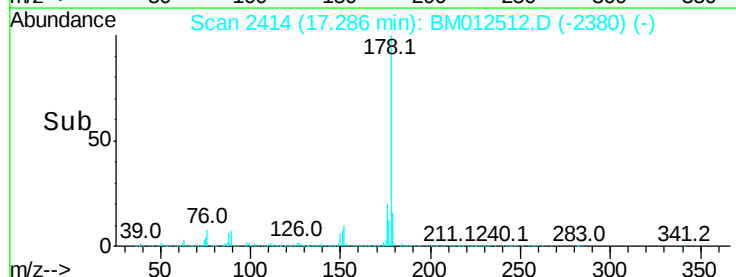
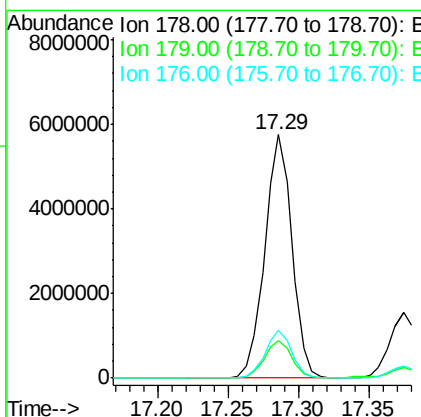
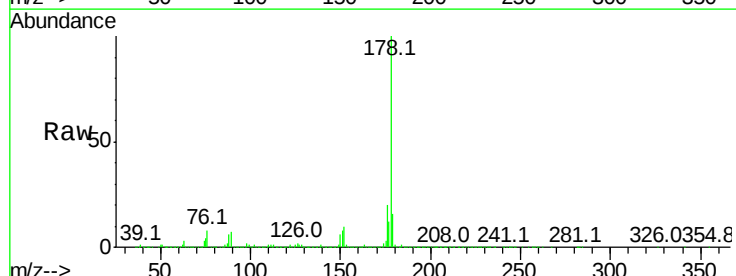
Manual Integrations
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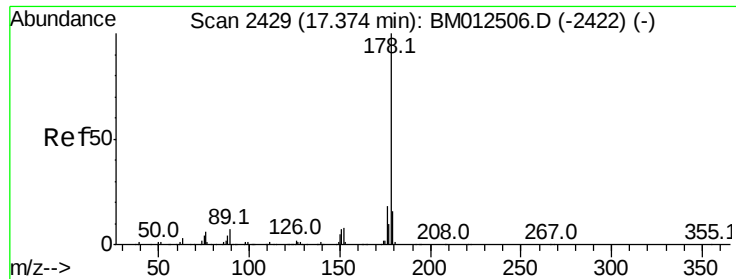
Sohil
 10/30/2017 6:30:30 PM



#69
 Phenanthrene
 Concen: 55.117 ng/ul
 RT: 17.29 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BM012512.D
 Acq: 28 Oct 2017 07:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.7	14.9	22.3





#71

Anthracene

Concen: 14.355 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BM012512.D

Acq: 28 Oct 2017 07:16

Instrument :

BNA_M

ClientSampleId :

DUP-3

Tot Ion:178 Resp: 2093508

Ion Ratio Lower Upper

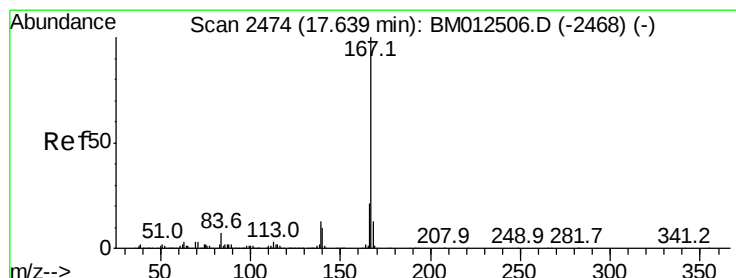
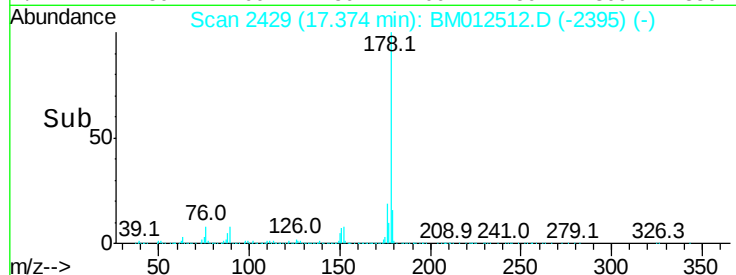
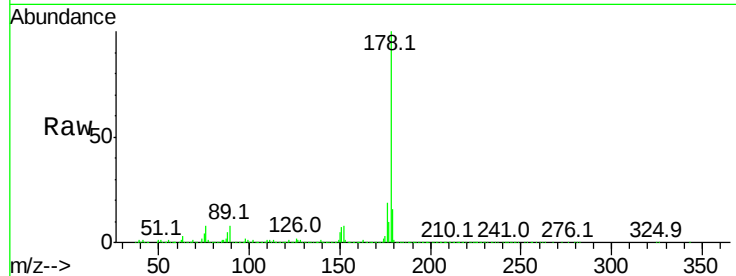
178 100

179 15.8 11.7 17.5

176 18.7 14.6 21.8

Manual Integrations
APPROVED

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10/30/2017 6:30:30 PM



#72

Carbazole

Concen: 3.851 ng/ul

RT: 17.64 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BM012512.D

Acq: 28 Oct 2017 07:16

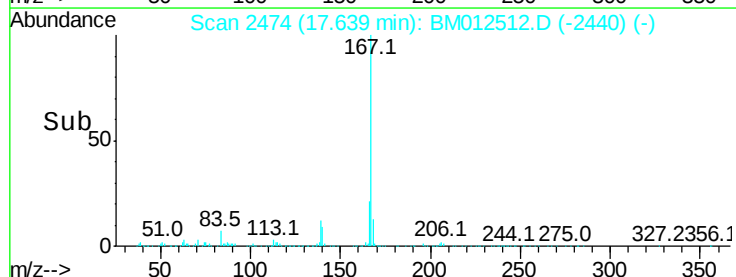
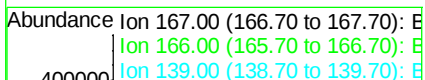
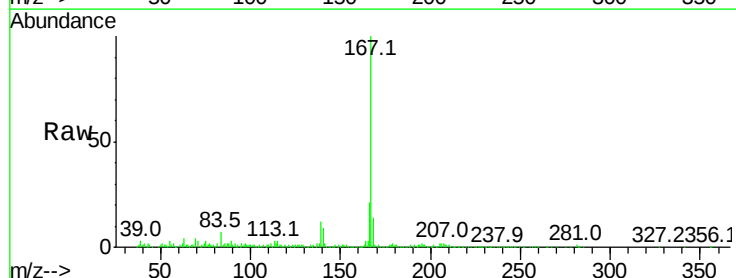
Tgt Ion:167 Resp: 465239

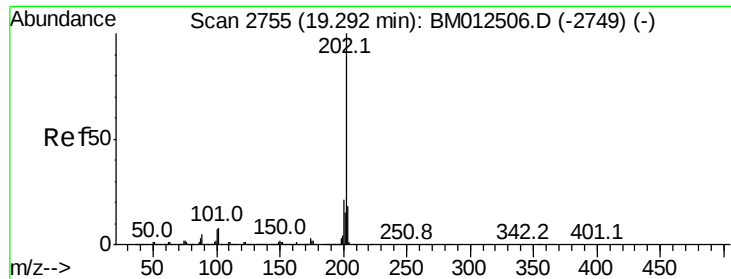
Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 12.1 10.0 15.0





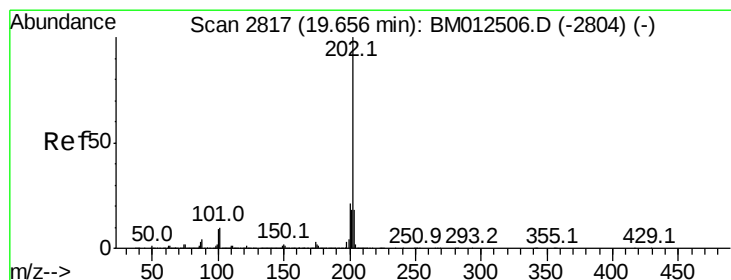
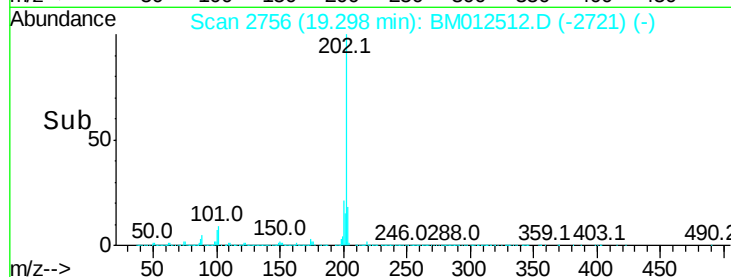
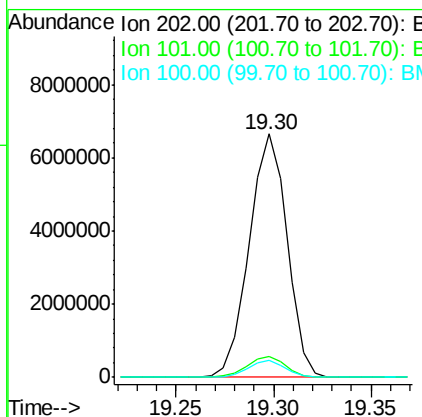
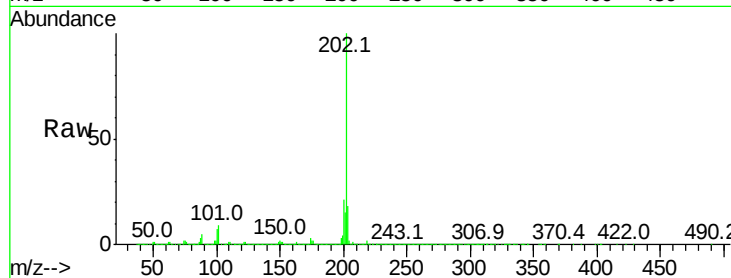
#74
 Fluoranthene
 Concen: 55.912 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM012512.D
 Acq: 28 Oct 2017 07:16

Instrument :
 BNA_M
 ClientSampleId :
 DUP-3

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	4.6	7.0#
100	6.8	3.4	5.2#

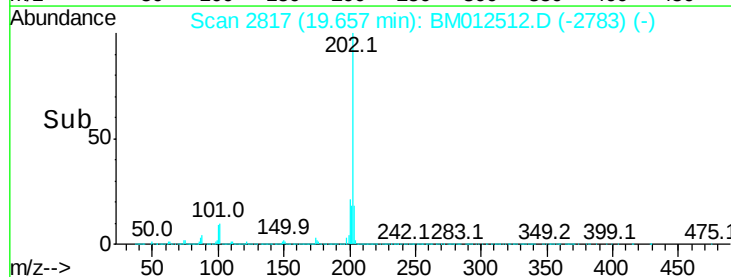
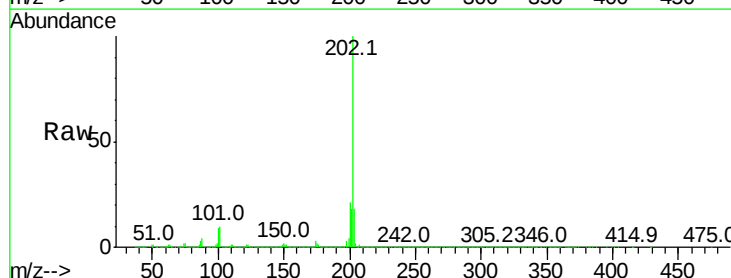
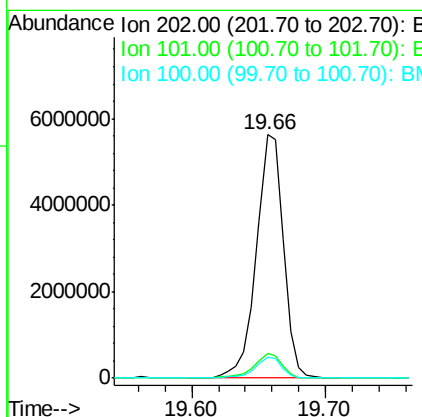
Manual Integrations
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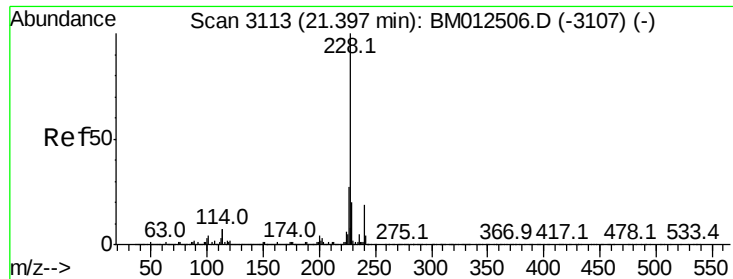
Sohil
 10/30/2017 6:30:30 PM



#77
 Pyrene
 Concen: 51.550 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM012512.D
 Acq: 28 Oct 2017 07:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	5.1	7.7#
100	8.6	4.9	7.3#





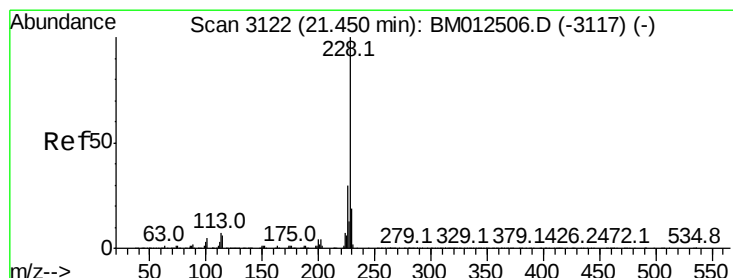
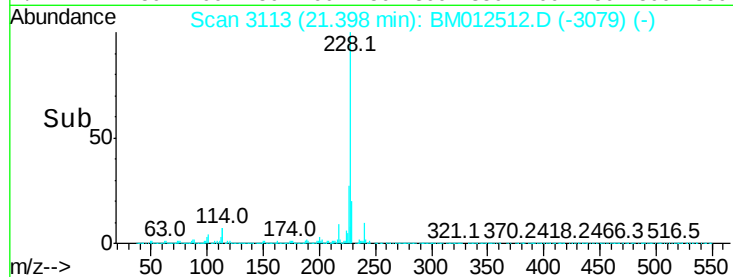
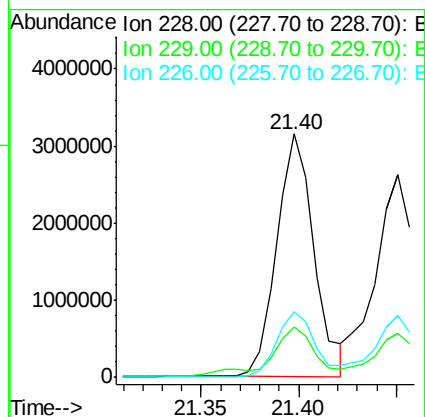
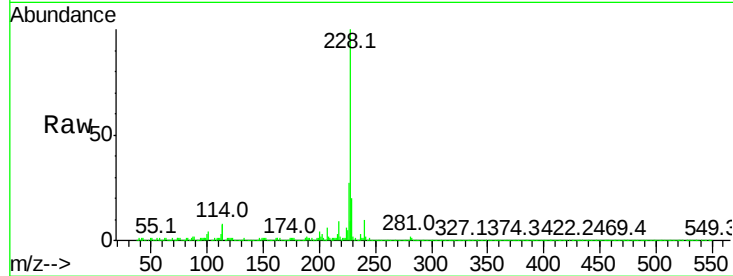
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Benzo(a)anthracene
Concen: 26.055 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Instrument :
BNA_M
ClientSampleId :
DUP-3

Tot Ion:228 Resp: 4154357
Ion Ratio Lower Upper
228 100
229 20.4 15.4 23.0
226 27.2 21.4 32.0

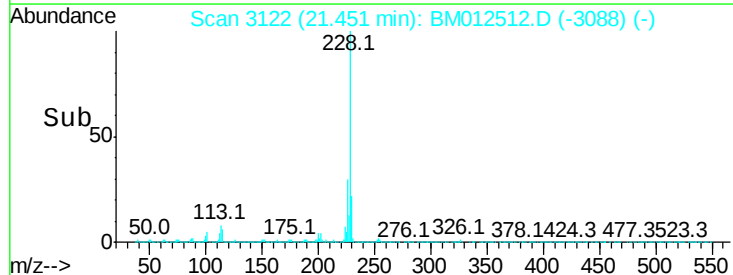
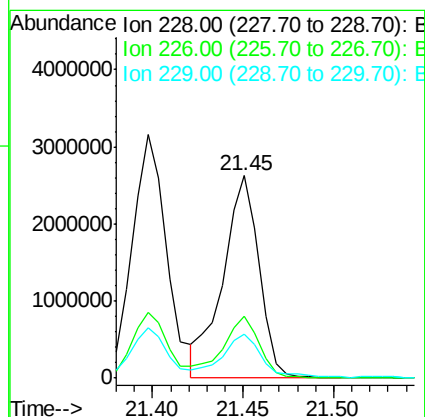
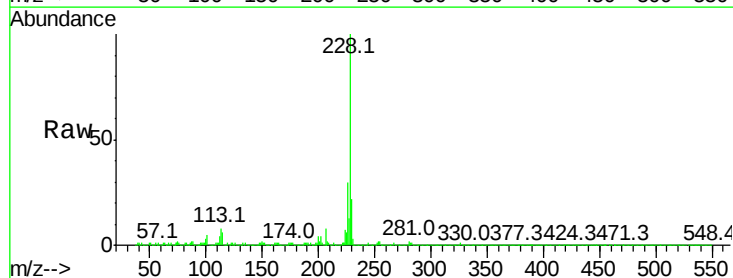
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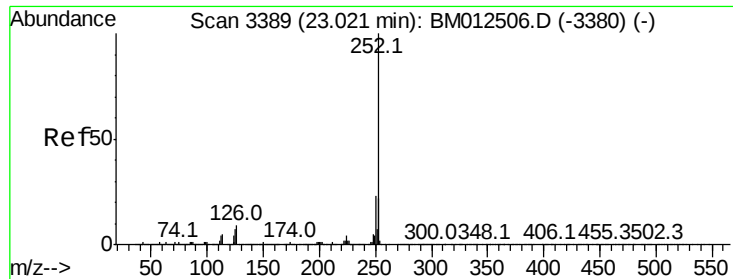
Sohil
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#82
Chrysene
Concen: 25.494 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Tgt Ion:228 Resp: 3614163
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 21.9 15.5 23.3





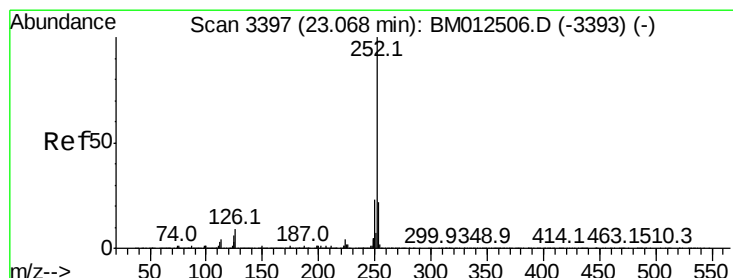
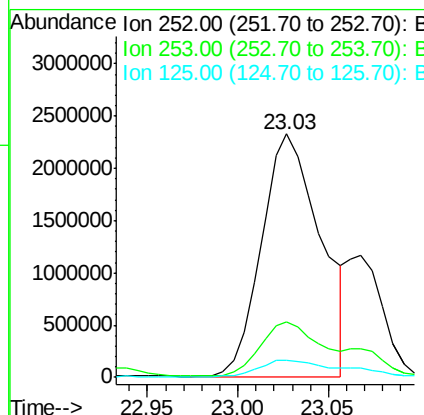
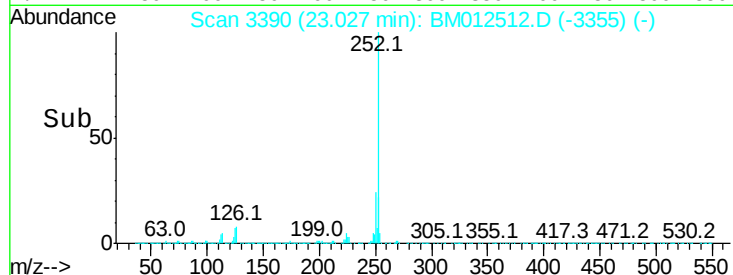
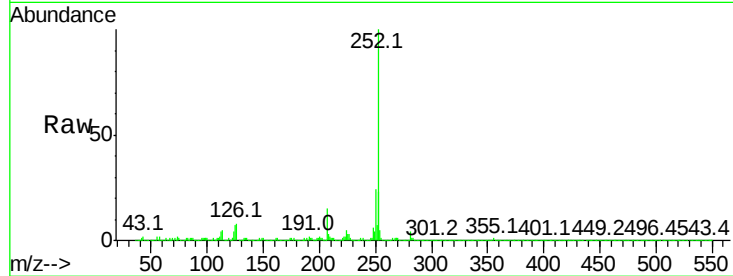
#85
Benzo(b)fluoranthene
Concen: 28.231 ng/u1
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Instrument :
BNA_M
ClientSampleId :
DUP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	7.2	3.6	5.4

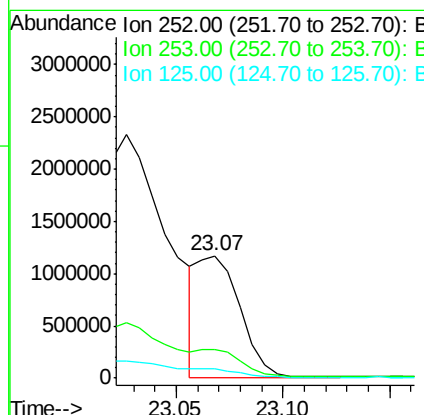
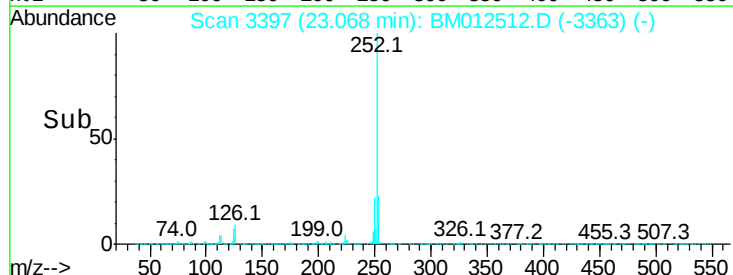
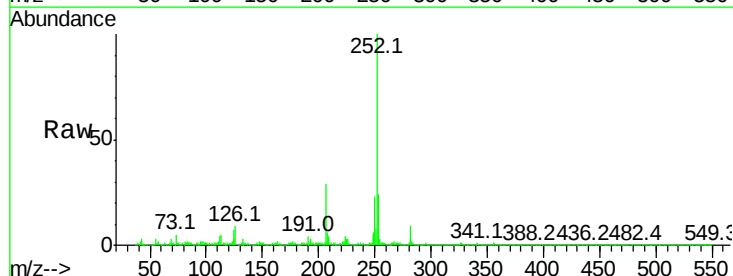
Manual Integrations
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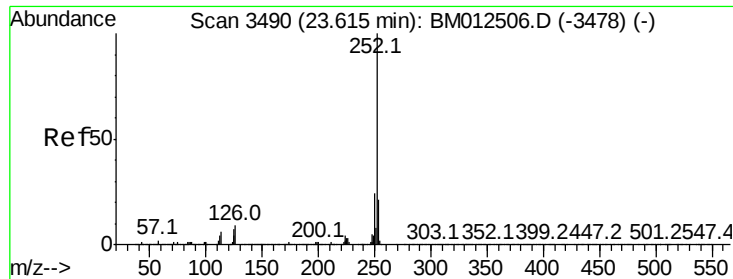
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#86
Benzo(k)fluoranthene
Concen: 9.050 ng/u1 m
RT: 23.07 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	7.3	3.4	5.2





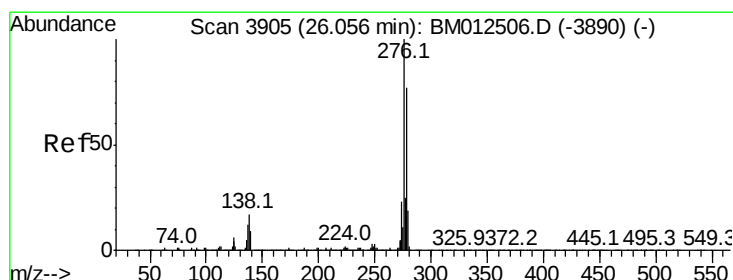
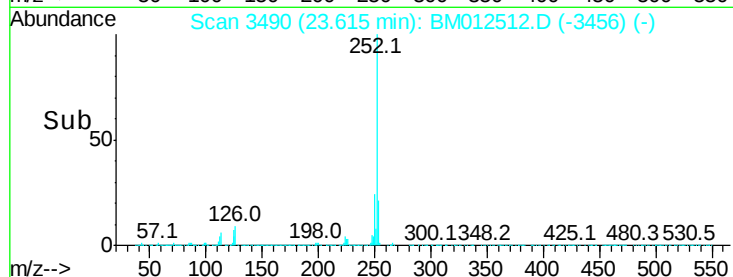
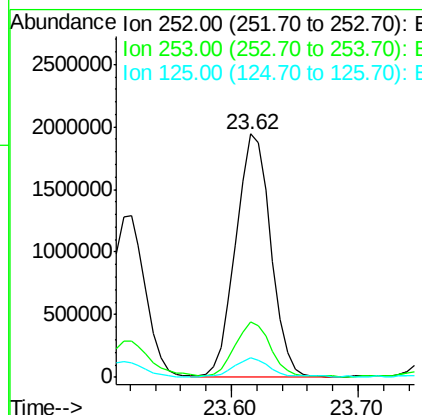
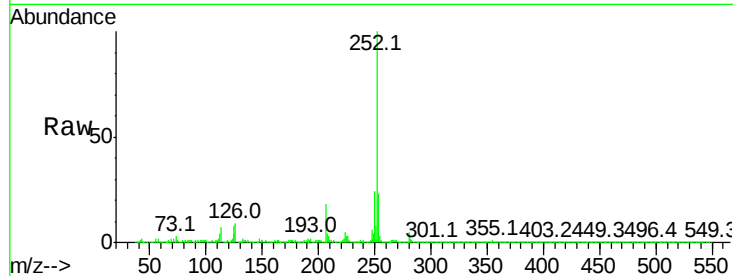
#88
Benzo(a)pyrene
Concen: 20.778 ng/ul
RT: 23.62 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Instrument :
BNA_M
ClientSampled :
DUP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	7.8	4.0	6.0#

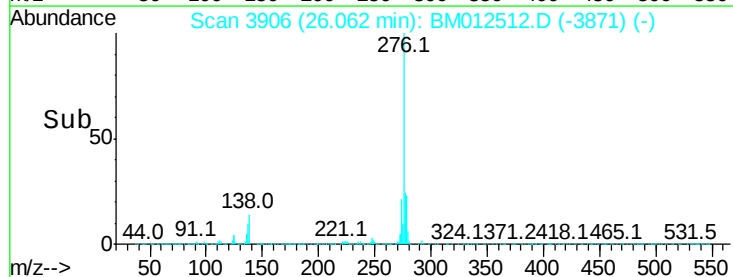
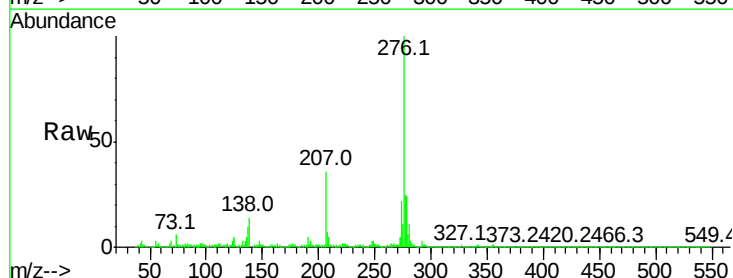
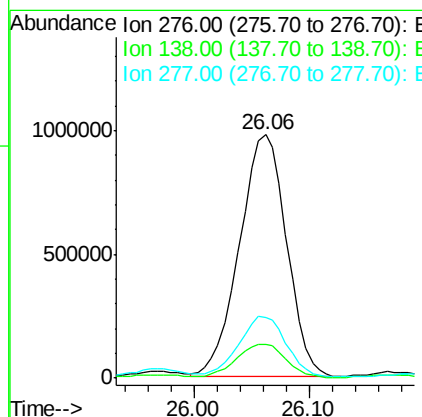
Manual Integrations
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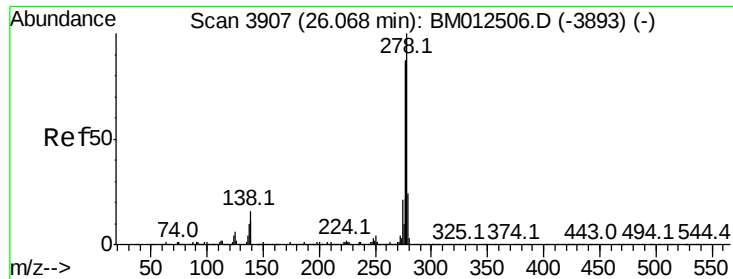
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#89
Indeno(1,2,3-cd)pyrene
Concen: 13.217 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. 0.01 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	9.3	13.9#
277	25.0	19.9	29.9





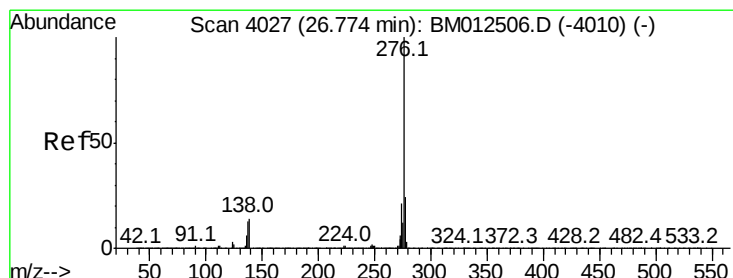
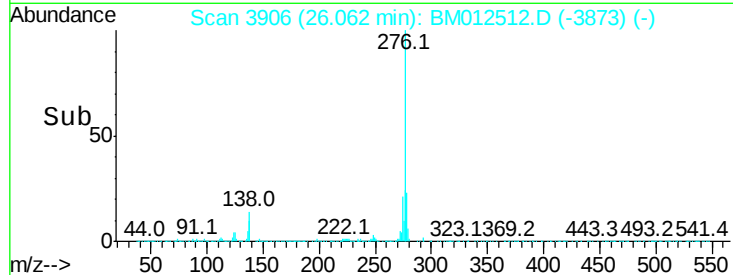
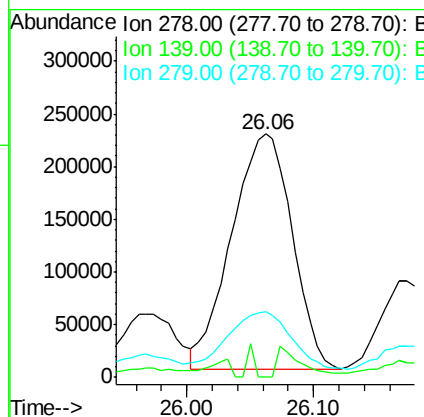
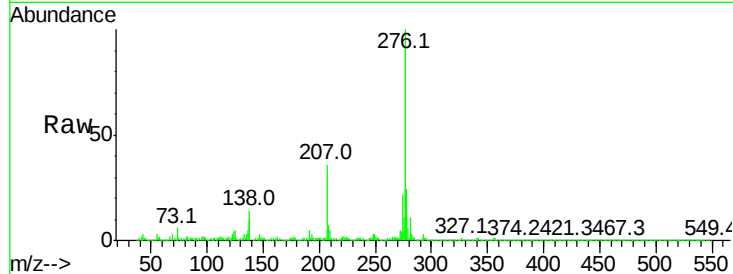
#90
Dibenzo(a,h)anthracene
Concen: 4.164 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. -0.01 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Instrument :
BNA_M
ClientSampleId :
DUP-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	27.0	18.6	27.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.603 ng/ul
RT: 26.78 min Scan# 4028
Delta R.T. 0.01 min
Lab File: BM012512.D
Acq: 28 Oct 2017 07:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	8.5	12.7#
277	24.8	18.6	28.0

