

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013501.D
 Acq On : 18 Dec 2017 16:36
 Operator : SJ/JU
 Sample : I6778-14MEDL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79MEDL

Manual Integrations
 APPROVED

Sohil
 12/19/2017 4:56:36 PM

Quant Time: Dec 19 01:59:47 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 00:41:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	221449	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	947547	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	533001	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1086485	20.00	ng/ul	0.01
75) Chrysene-d12	21.26	240	875500	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	742474	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	3874m	0.87	ng/uL	0.00
5) Phenol-d5	6.86	99	72529	3.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	42171	3.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	59902	4.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	63243	3.86	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	35297	4.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	35207	4.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	69570	4.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	49573	3.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	211393	4.46	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	262673	4.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	25901	3.14	ng/ul	0.02
57) Fluorene-d10	15.32	176	179066	4.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	9862	1.44	ng/ul	0.02
70) Anthracene-d10	17.17	188	257742	4.74	ng/ul	0.01
76) Pyrene-d10	19.47	212	257435	5.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	173888	4.60	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.51	128	23774592m	487.682	ng/ul
34) 2-Methylnaphthalene	12.13	142	7288348	198.881	ng/ul 95
40) 1,1'-Biphenyl	13.15	154	1966965	43.665	ng/ul 97
47) Acenaphthylene	14.04	152	847036	15.638	ng/ul# 94
49) Acenaphthene	14.39	153	7405527	200.703	ng/ul 99
53) Dibenzofuran	14.73	168	7714868	141.632	ng/ul 99
58) Fluorene	15.38	166	8877467	197.004	ng/ul 99
69) Phenanthrene	17.12	178	22847206m	370.143	ng/ul
71) Anthracene	17.21	178	4938568	78.274	ng/ul 99
72) Carbazole	17.48	167	2131960	39.285	ng/ul 99
74) Fluoranthene	19.14	202	14788585	195.506	ng/ul# 85
77) Pyrene	19.50	202	10972137	206.286	ng/ul# 90
80) Benzo(a)anthracene	21.24	228	2722816	49.017	ng/ul 97
82) Chrysene	21.30	228	2176036	42.225	ng/ul 97
85) Benzo(b)fluoranthene	22.82	252	1568404	31.336	ng/ul# 98
86) Benzo(k)fluoranthene	22.86	252	430958m	9.150	ng/ul
88) Benzo(a)pyrene	23.39	252	1017725	22.636	ng/ul# 98
89) Indeno(1,2,3-cd)pyrene	25.71	276	430033	9.640	ng/ul# 95
90) Dibenzo(a,h)anthracene	25.71	278	124447	3.276	ng/ul# 79
91) Benzo(g,h,i)perylene	26.40	276	325762	9.258	ng/ul# 93

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

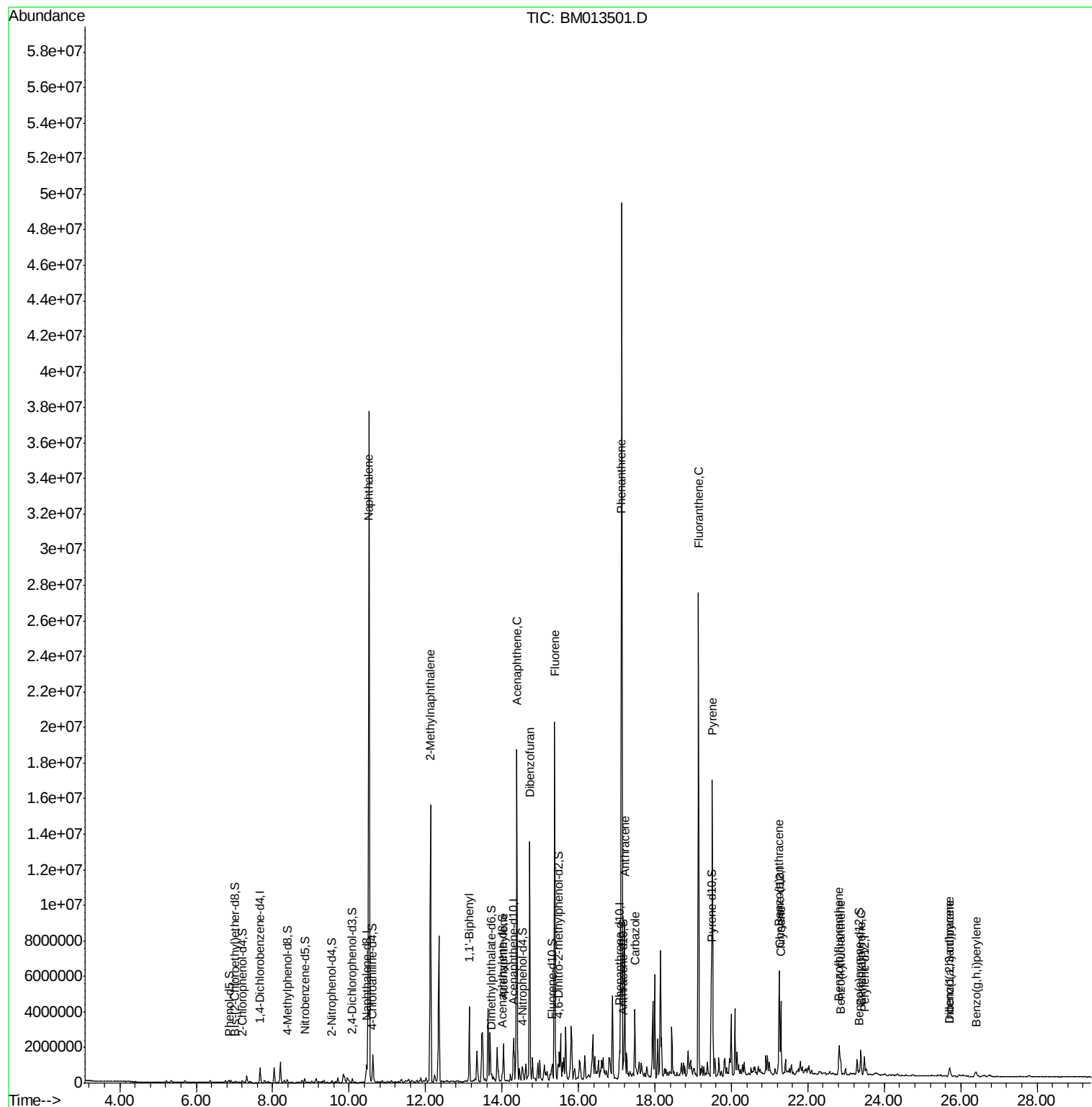
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013501.D
Acq On : 18 Dec 2017 16:36
Operator : SJ/JU
Sample : I6778-14MEDL 10X
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ALS Vial : 13 Sample Multiplier: 1

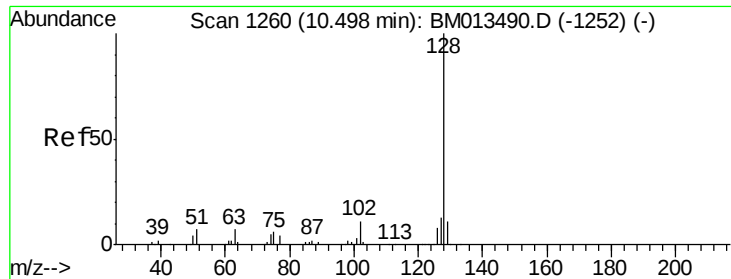
Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

Manual Integrations
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Quant Time: Dec 19 01:59:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
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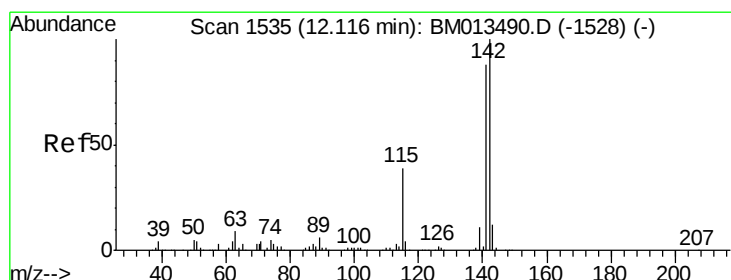
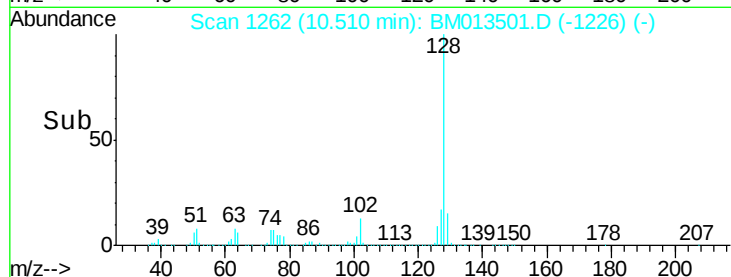
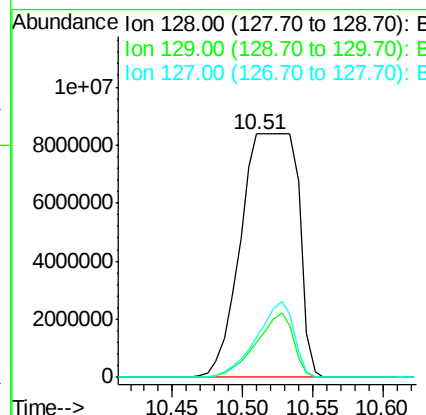
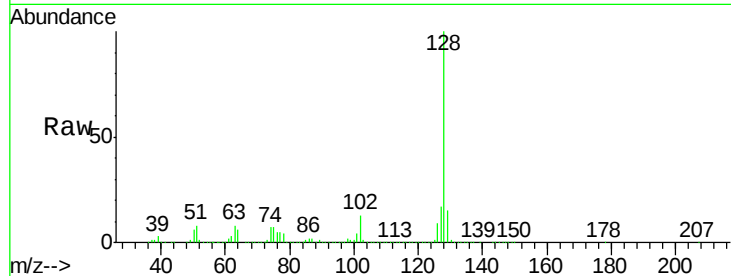
#28
Naphthalene
Concen: 487.682 ng/ul m
RT: 10.51 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BM013501.D
Acq: 18 Dec 2017 16:36

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

Tgt Ion:128 Resp:23774592
Ion Ratio Lower Upper
128 100
129 14.5 8.8 13.2#
127 16.6 10.6 16.0#

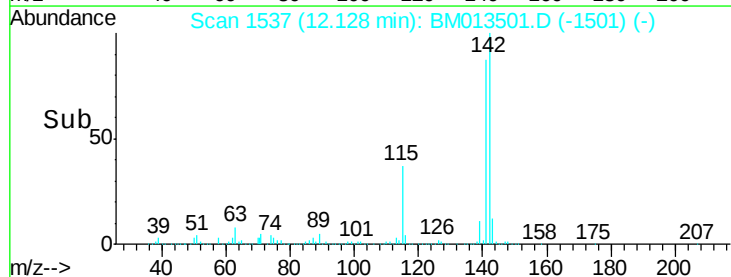
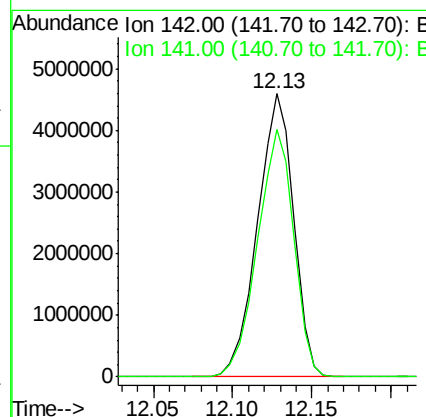
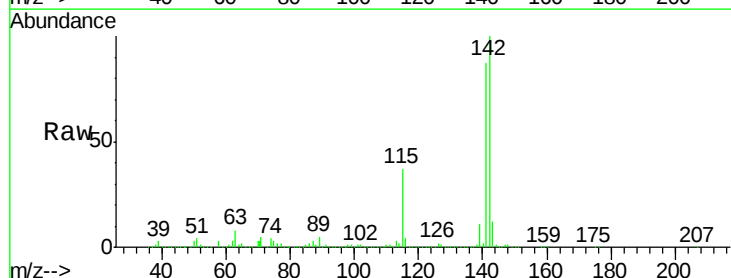
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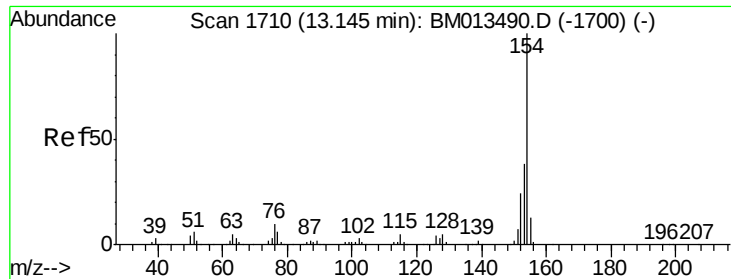
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#34
2-Methylnaphthalene
Concen: 198.881 ng/ul
RT: 12.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BM013501.D
Acq: 18 Dec 2017 16:36

Tgt Ion:142 Resp: 7288348
Ion Ratio Lower Upper
142 100
141 87.5 74.1 111.1





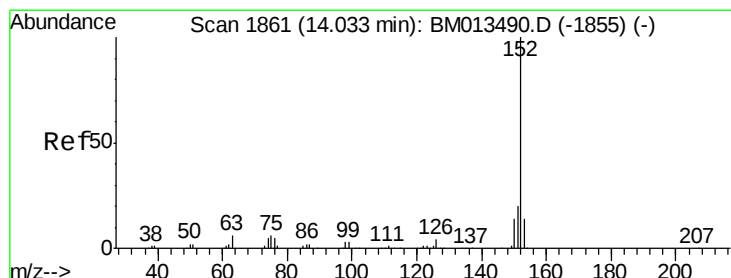
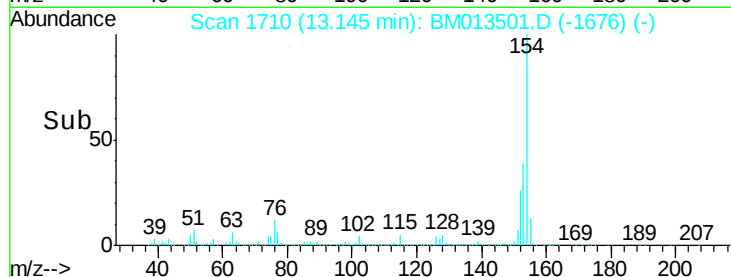
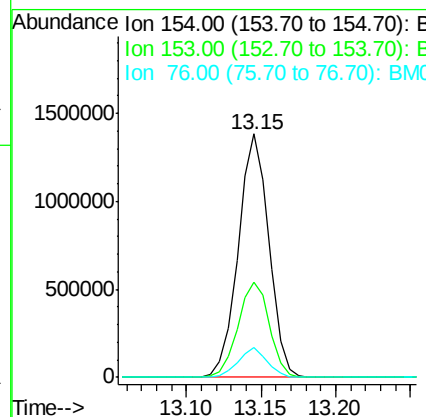
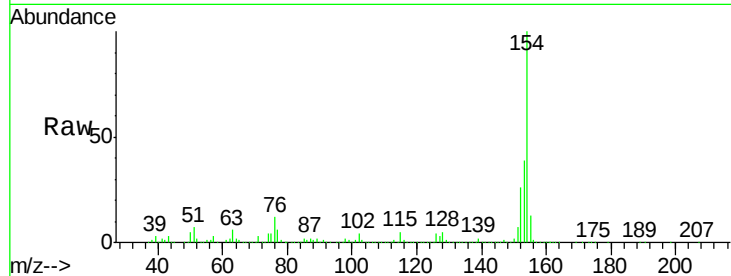
#40
1,1'-Biphenyl
Concen: 43.665 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BM013501.D
Acq: 18 Dec 2017 16:36

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	32.6	48.8
76	12.2	8.5	12.7

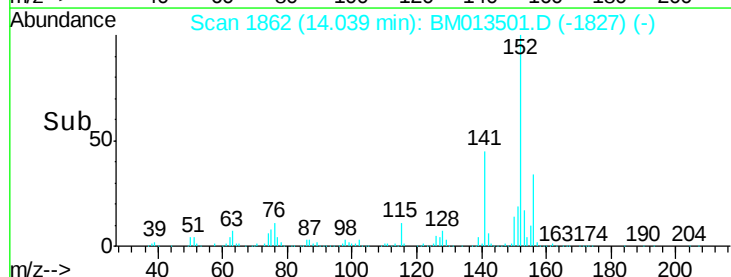
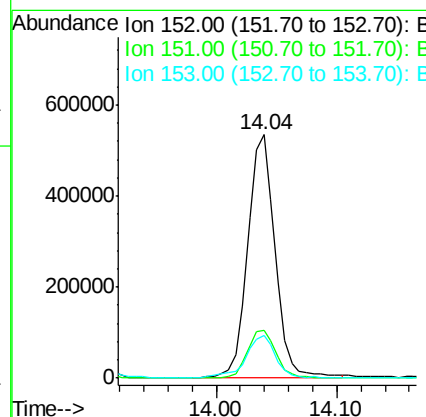
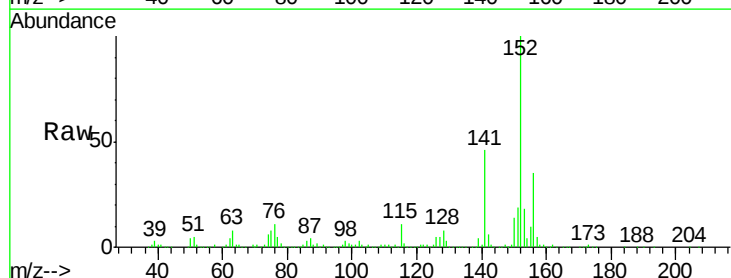
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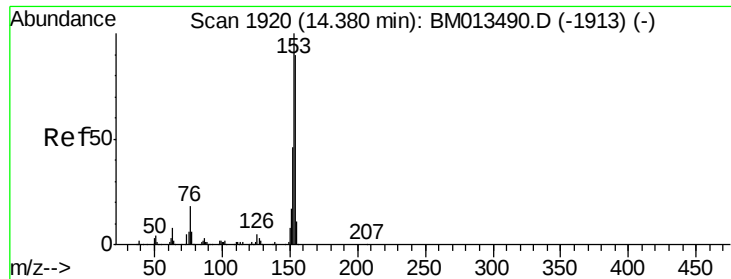
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#47
Acenaphthylene
Concen: 15.638 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BM013501.D
Acq: 18 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	17.7	10.2	15.4#





#49

Acenaphthene

Concen: 200.703 ng/ul

RT: 14.39 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL

Tgt Ion:153 Resp: 7405527

Ion Ratio Lower Upper

153 100

152 46.5 37.6 56.4

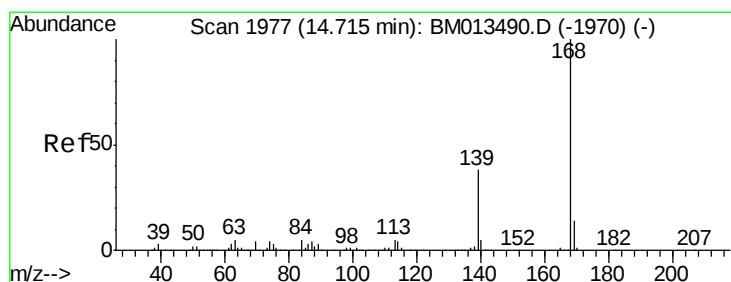
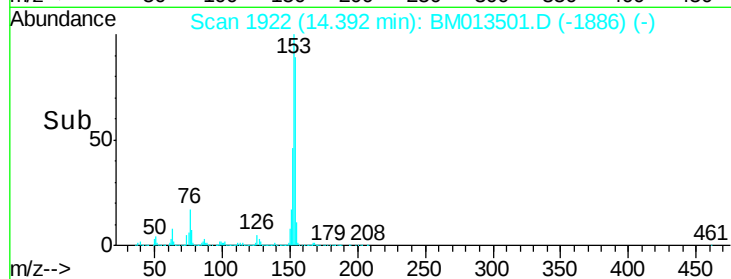
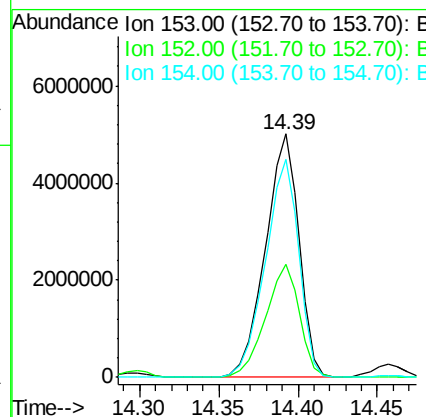
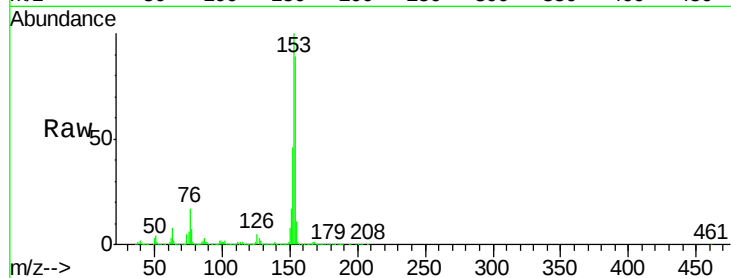
154 89.5 70.4 105.6

Manual Integrations

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#53

Dibenzofuran

Concen: 141.632 ng/ul

RT: 14.73 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BM013501.D

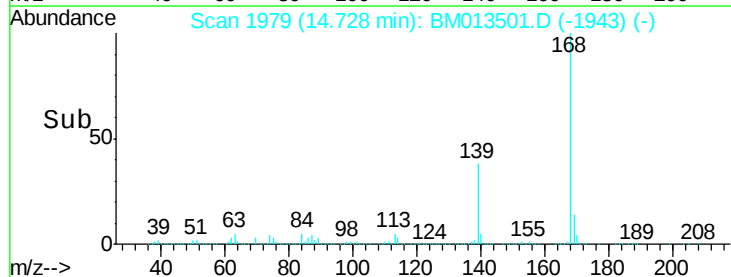
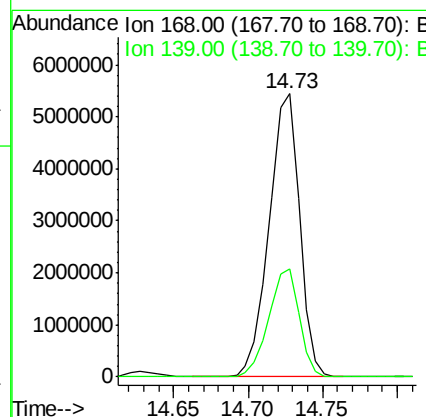
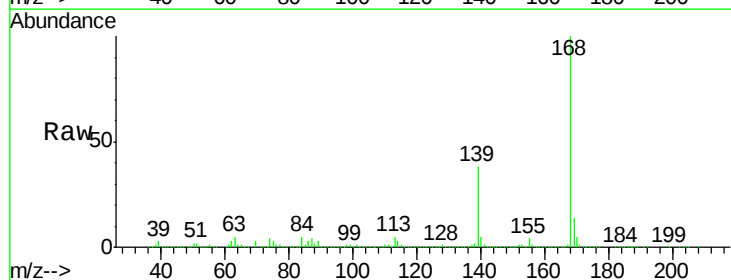
Acq: 18 Dec 2017 16:36

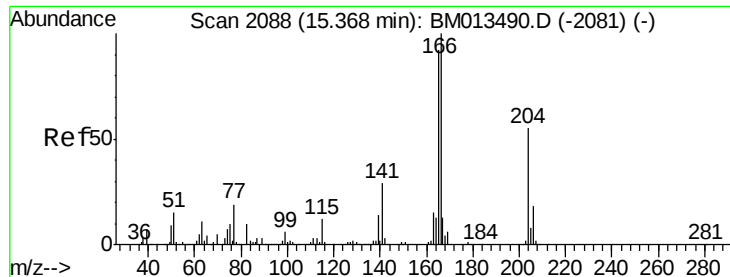
Tgt Ion:168 Resp: 7714868

Ion Ratio Lower Upper

168 100

139 38.0 30.8 46.2





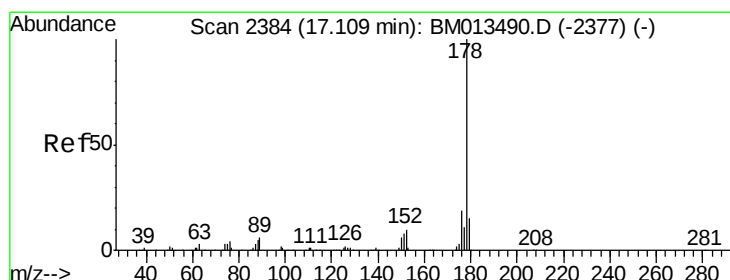
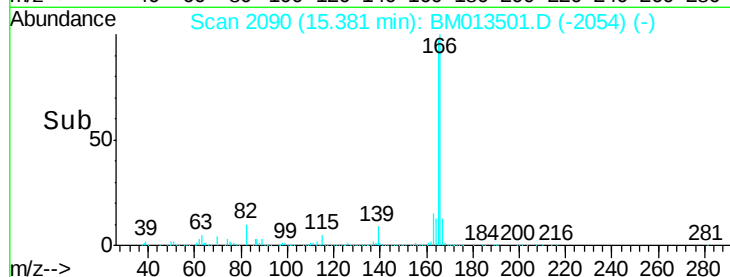
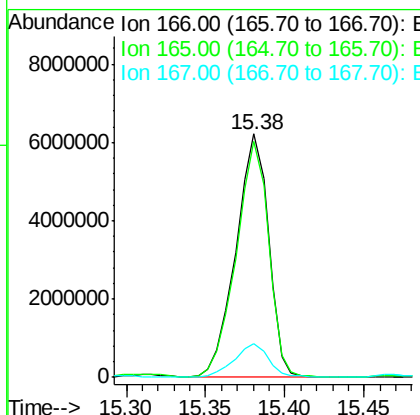
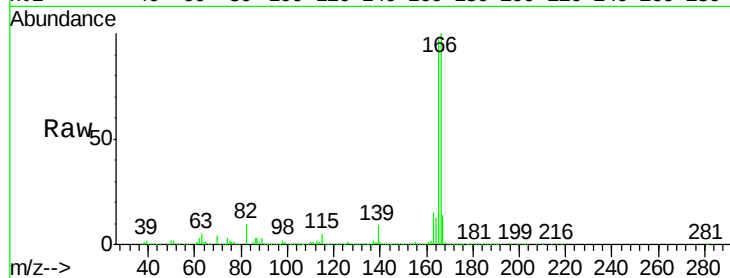
#58
 Fluorene
 Concen: 197.004 ng/ul
 RT: 15.38 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: BM013501.D
 Acq: 18 Dec 2017 16:36

Instrument :
 BNA_M
 ClientSampleId :
 F9A79MEDL

Tgt Ion:166 Resp: 8877467
 Ion Ratio Lower Upper
 166 100
 165 96.8 77.9 116.9
 167 13.7 10.6 16.0

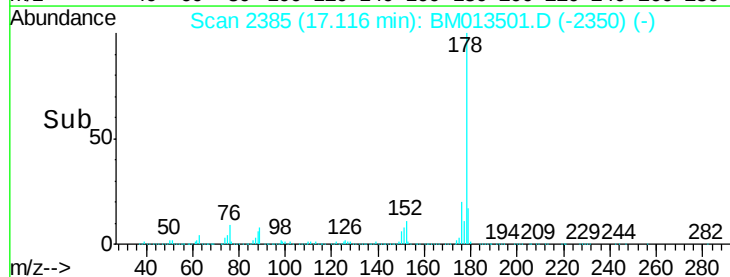
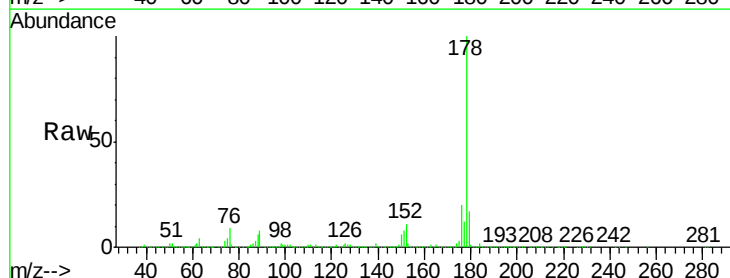
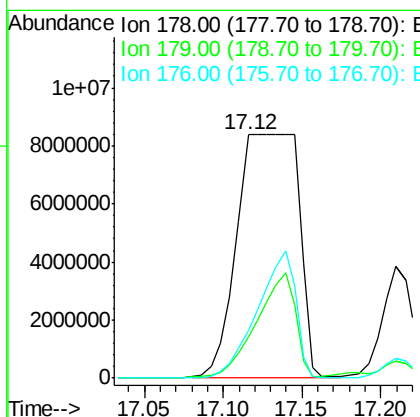
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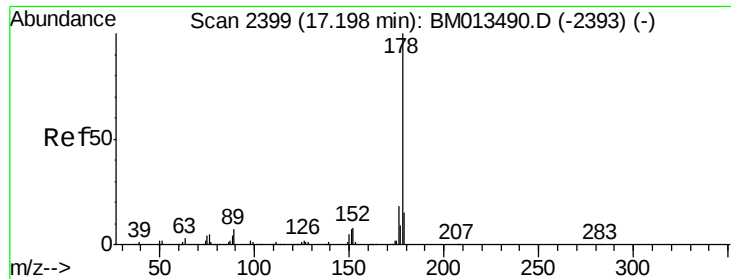
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#69
 Phenanthrene
 Concen: 370.143 ng/ul m
 RT: 17.12 min Scan# 2385
 Delta R.T. 0.01 min
 Lab File: BM013501.D
 Acq: 18 Dec 2017 16:36

Tgt Ion:178 Resp:22847206
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.6 19.0
 176 19.6 14.9 22.3





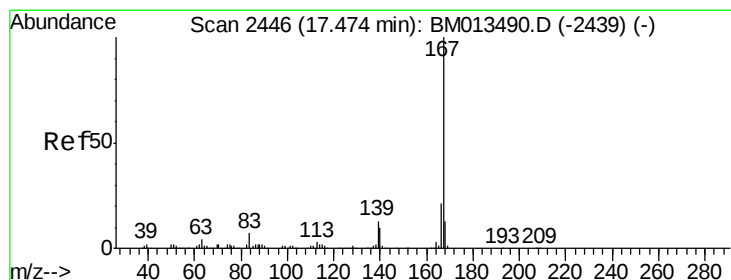
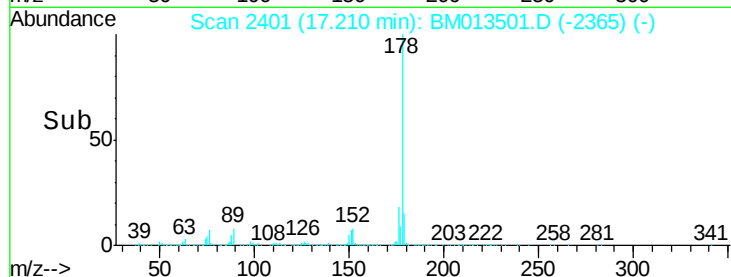
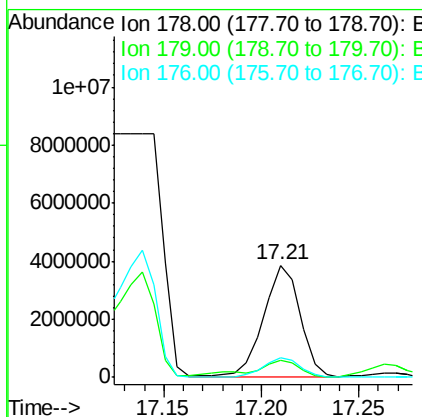
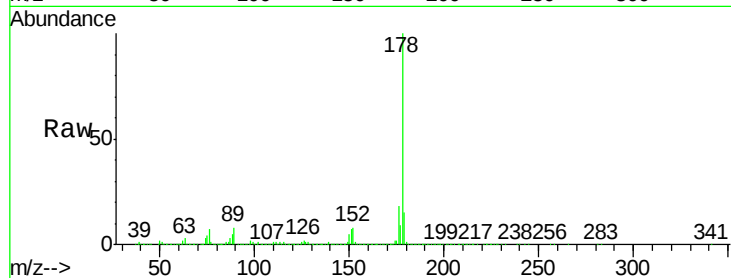
#71
 Anthracene
 Concen: 78.274 ng/ul
 RT: 17.21 min Scan# 2401
 Delta R.T. 0.01 min
 Lab File: BM013501.D
 Acq: 18 Dec 2017 16:36

Instrument :
 BNA_M
 ClientSampled :
 F9A79MEDL

Tgt Ion:178 Resp: 4938568
 Ion Ratio Lower Upper
 178 100
 179 15.3 11.7 17.5
 176 17.7 14.6 21.8

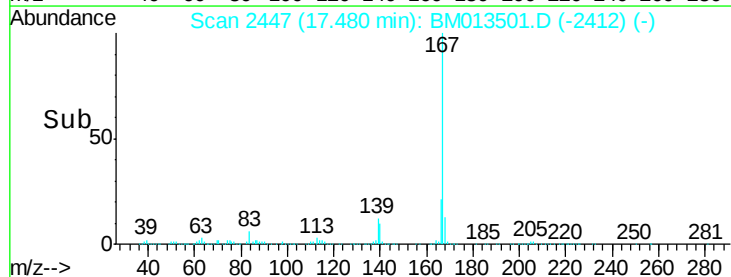
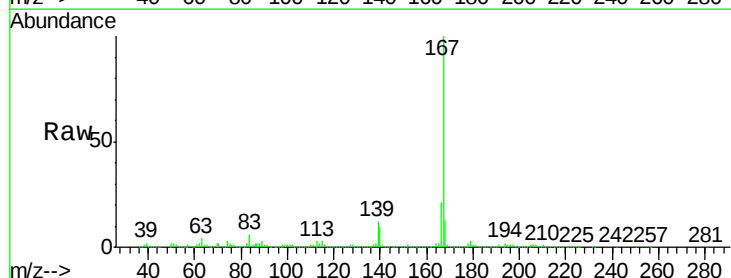
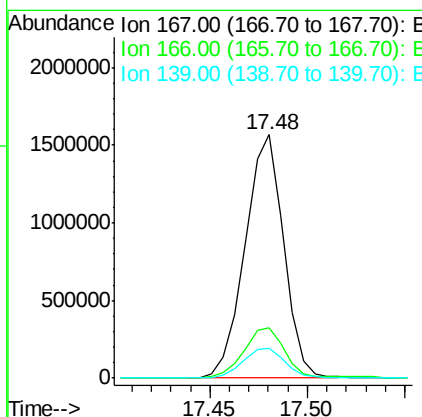
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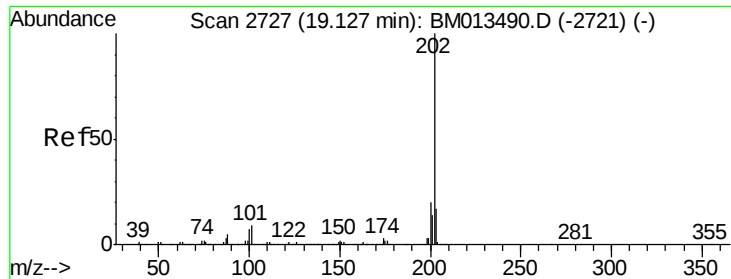
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#72
 Carbazole
 Concen: 39.285 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BM013501.D
 Acq: 18 Dec 2017 16:36

Tgt Ion:167 Resp: 2131960
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.1 25.7
 139 12.4 10.0 15.0





#74

Fluoranthene

Concen: 195.506 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL

Tgt Ion:202 Resp:14788585

Ion Ratio Lower Upper

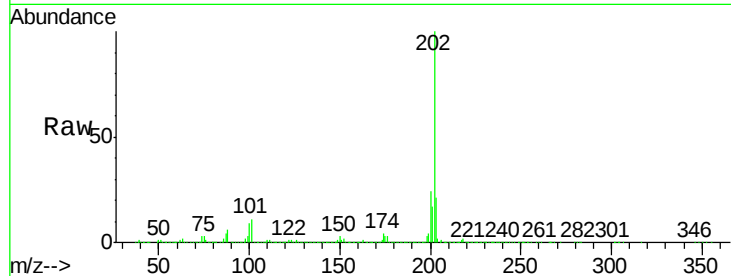
202 100

101 11.2 4.6 7.0#

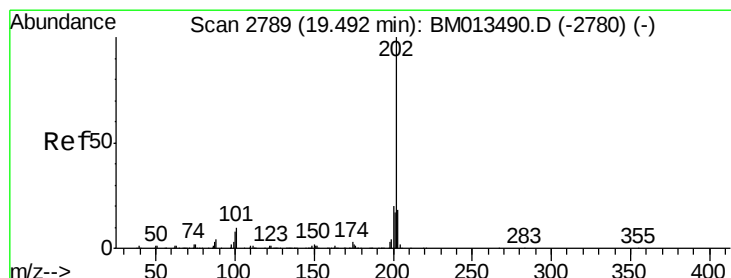
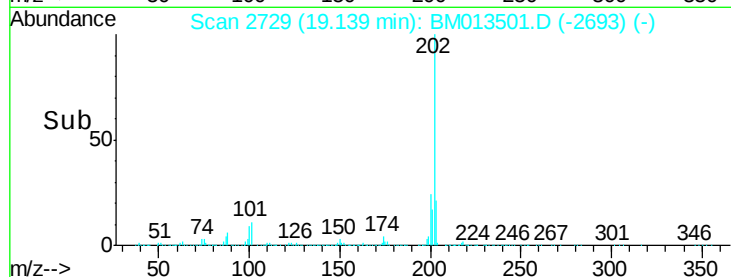
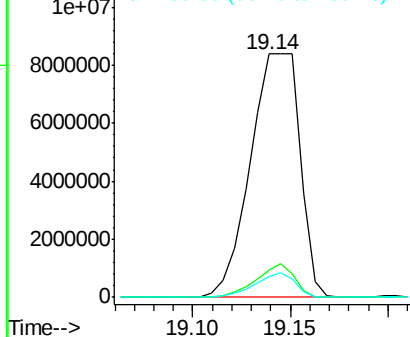
100 8.8 3.4 5.2#

Manual Integrations
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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: 206.286 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

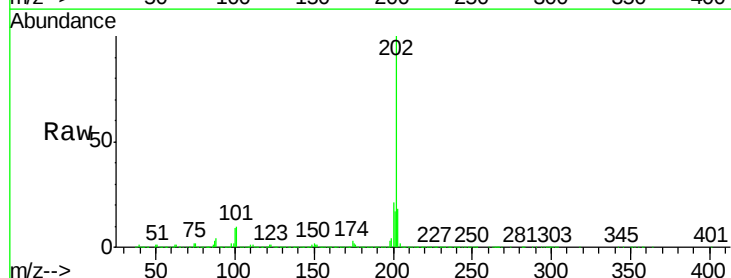
Tgt Ion:202 Resp:10972137

Ion Ratio Lower Upper

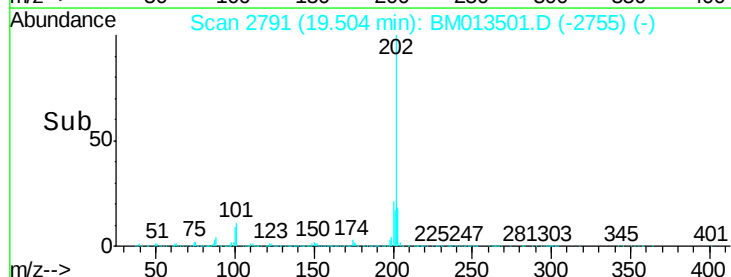
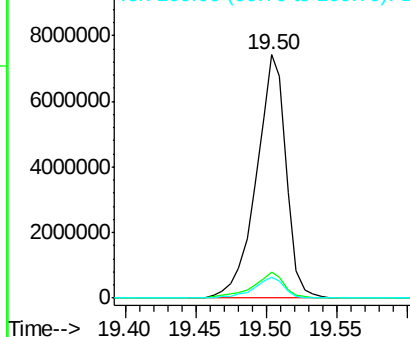
202 100

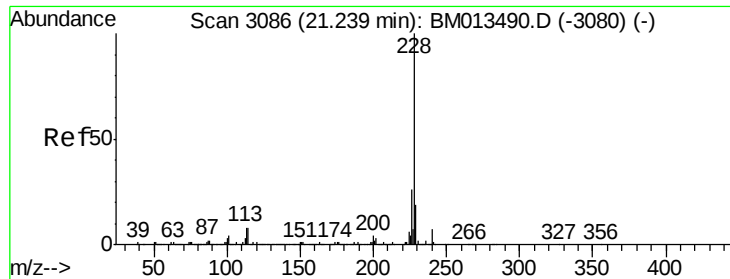
101 10.5 5.1 7.7#

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: 49.017 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Instrument :

BNA_M

ClientSampled :

F9A79MEDL

Tgt Ion:228 Resp: 2722816

Ion Ratio Lower Upper

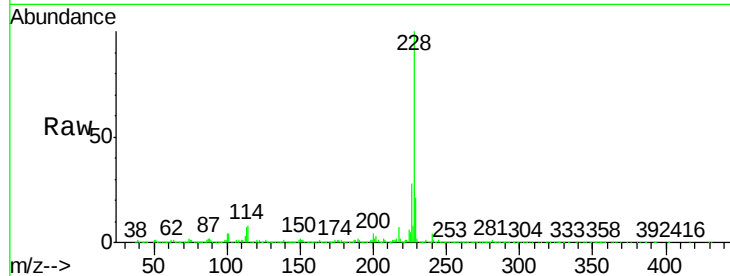
228 100

229 20.8 15.4 23.0

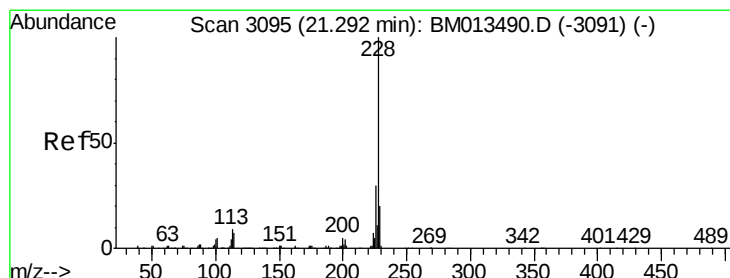
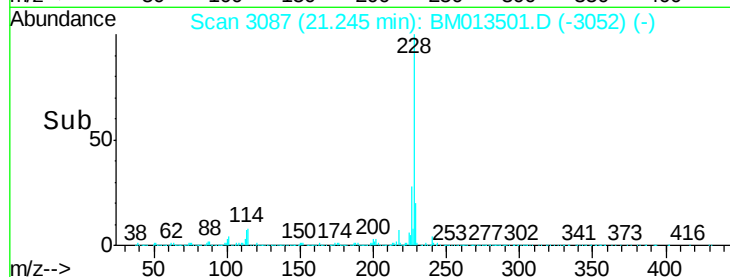
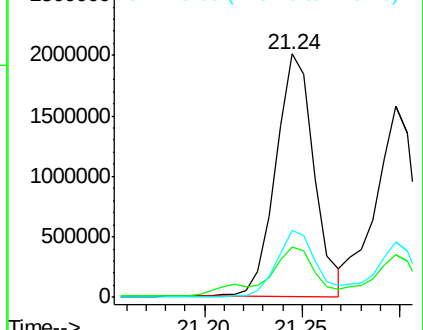
226 27.7 21.4 32.0

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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



#82

Chrysene

Concen: 42.225 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Tgt Ion:228 Resp: 2176036

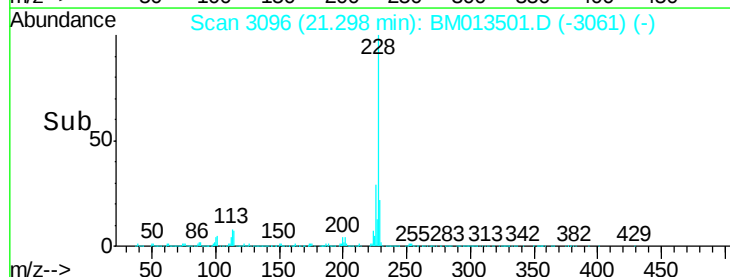
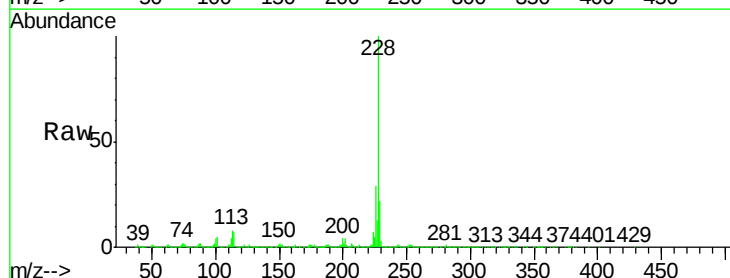
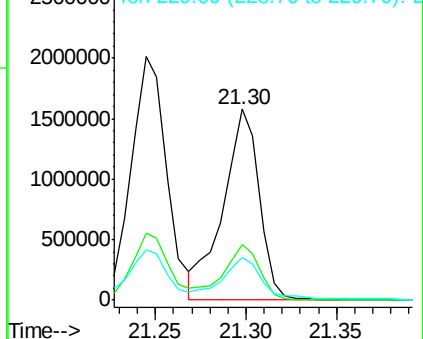
Ion Ratio Lower Upper

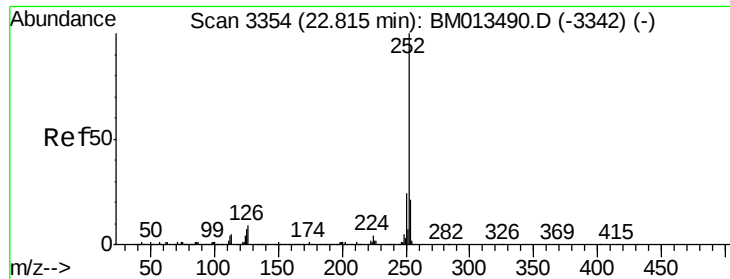
228 100

226 29.1 23.4 35.2

229 22.3 15.5 23.3

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





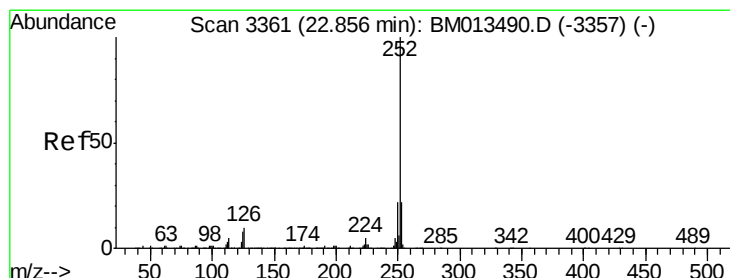
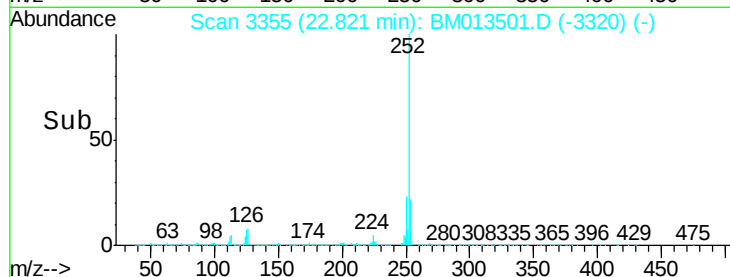
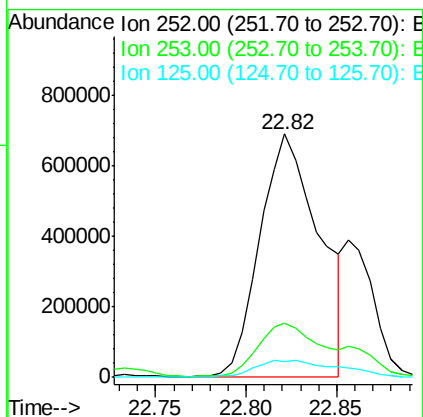
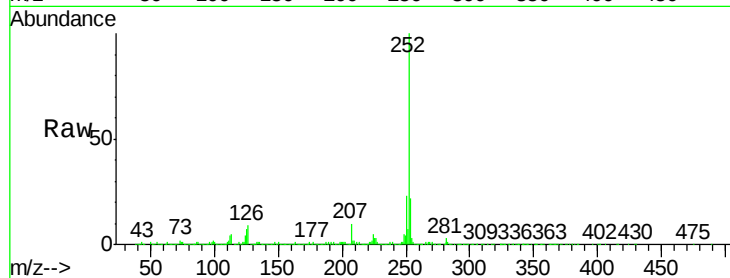
#85
Benzo(b)fluoranthene
Concen: 31.336 ng/ul
RT: 22.82 min Scan# 3355
Delta R.T. 0.01 min
Lab File: BM013501.D
Acq: 18 Dec 2017 16:36

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	6.6	3.6	5.4

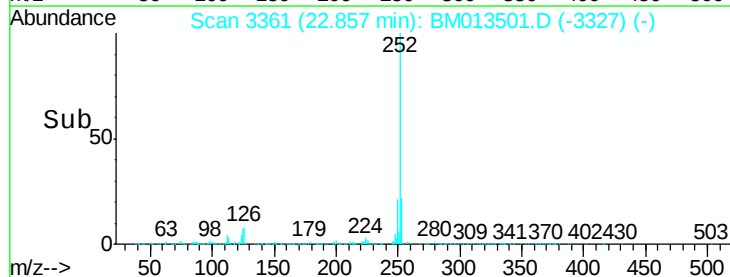
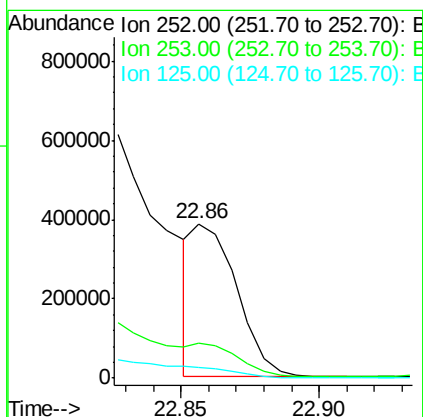
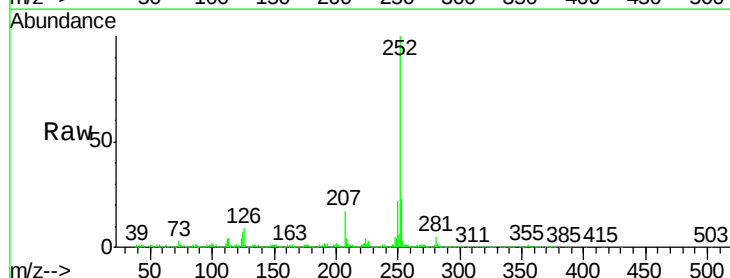
Manual Integrations
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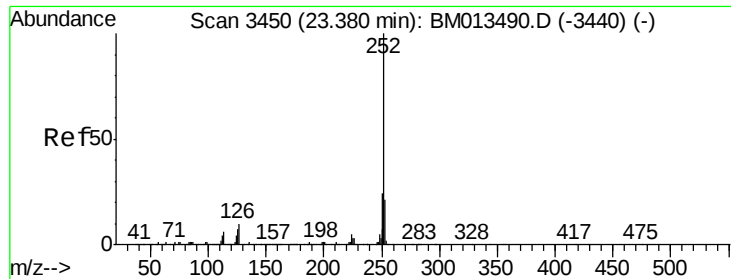
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#86
Benzo(k)fluoranthene
Concen: 9.150 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. 0.00 min
Lab File: BM013501.D
Acq: 18 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	7.1	3.4	5.2





#88

Benzo(a)pyrene

Concen: 22.636 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM013501.D

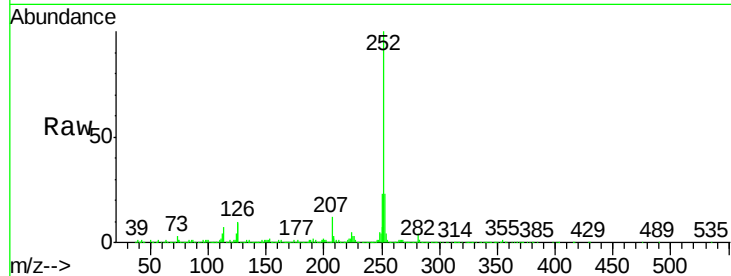
Acq: 18 Dec 2017 16:36

Instrument :

BNA_M

ClientSampleId :

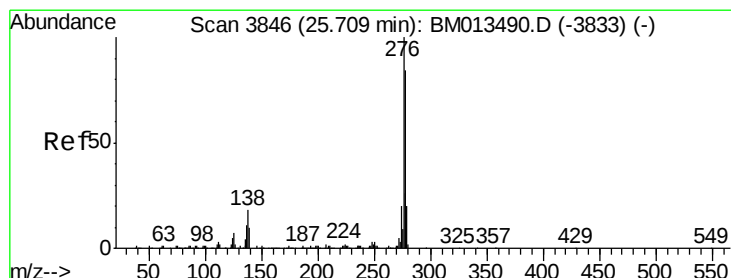
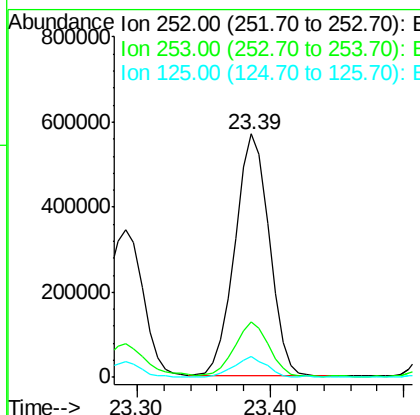
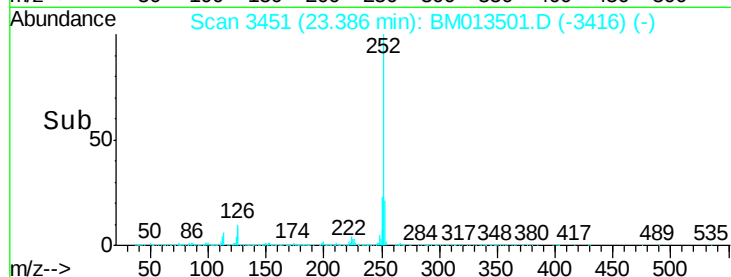
F9A79MEDL



Tgt Ion:	252	Resp:	1017725
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.2	27.2
125	8.6	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 9.640 ng/ul

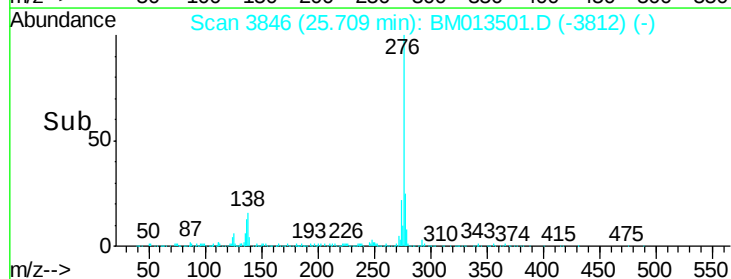
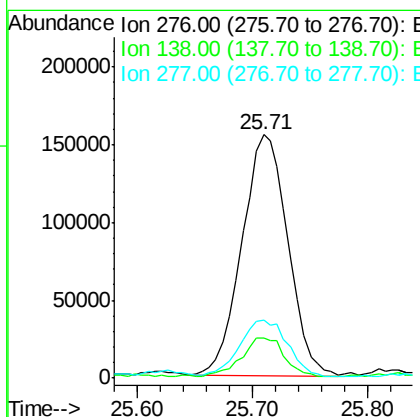
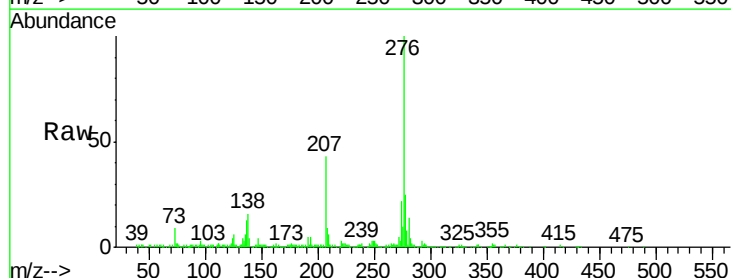
RT: 25.71 min Scan# 3846

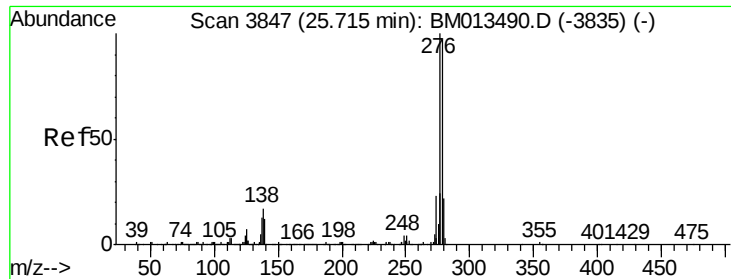
Delta R.T. 0.00 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Tgt Ion:	276	Resp:	430033
Ion Ratio	Lower	Upper	
276	100		
138	16.4	9.3	13.9#
277	23.8	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 3.276 ng/ul

RT: 25.71 min Scan# 3846

Delta R.T. -0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Instrument :

BNA_M

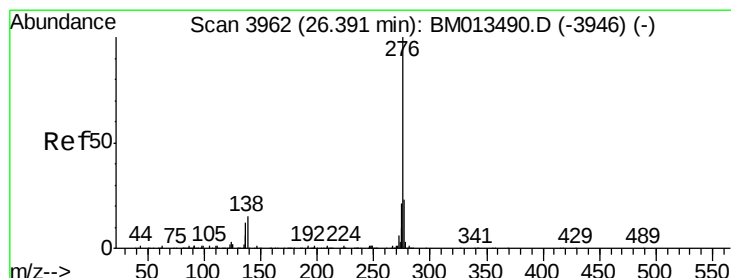
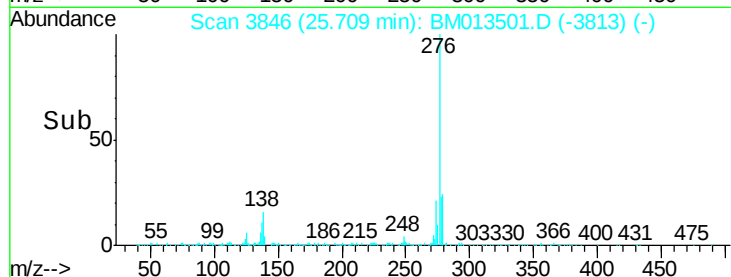
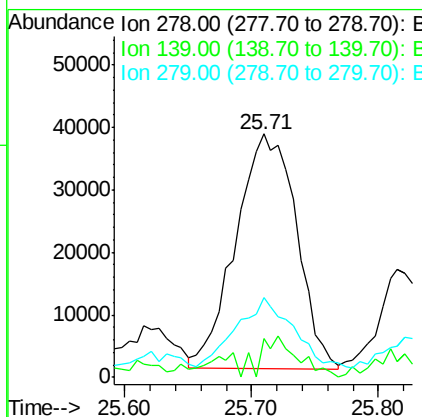
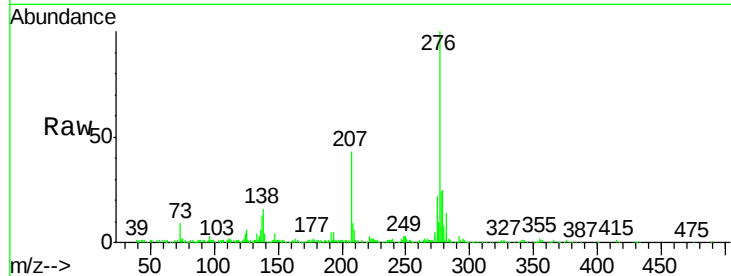
ClientSampled :

F9A79MEDL

Tgt Ion:	278	Resp:	124447
Ion Ratio	Lower	Upper	
278	100		
139	16.0	5.8	8.8#
279	32.8	18.6	27.8#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.258 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013501.D

Acq: 18 Dec 2017 16:36

Tgt Ion:	276	Resp:	325762
Ion Ratio	Lower	Upper	
276	100		
138	16.2	8.5	12.7#
277	24.7	18.6	28.0

