

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121917\
 Data File : BM013515.D
 Acq On : 19 Dec 2017 16:29
 Operator : SJ/JU
 Sample : I6778-14MEDL 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79MEDL

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:39 PM

Quant Time: Dec 20 05:00:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	160260	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	704534	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	416777	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	910401	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	803837	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	713093	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	477	0.15	ng/uL	0.00
5) Phenol-d5	6.86	99	4778	0.34	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.02	67	3269	0.41	ng/ul	0.01
9) 2-Chlorophenol-d4	7.21	132	3185	0.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	4073m	0.34	ng/ul	0.01
19) Nitrobenzene-d5	8.84	128	2433m	0.44	ng/ul	0.01
22) 2-Nitrophenol-d4	9.56	143	1770	0.30	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.11	165	4081m	0.33	ng/ul	0.04
29) 4-Chloroaniline-d4	10.62	131	4286	0.38	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	15576	0.42	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	18640	0.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	149	0.02	ng/ul	0.05
57) Fluorene-d10	15.32	176	16822	0.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.16	188	25881	0.57	ng/ul	0.00
76) Pyrene-d10	19.46	212	22546	0.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	17070	0.47	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.50	128	1828191	50.436	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	368141	13.511	ng/ul	96
40) 1,1'-Biphenyl	13.14	154	103478	2.938	ng/ul#	97
47) Acenaphthylene	14.03	152	43784	1.034	ng/ul#	90
49) Acenaphthene	14.38	153	380358	13.183	ng/ul	98
53) Dibenzofuran	14.72	168	413653	9.712	ng/ul	98
58) Fluorene	15.37	166	462574	13.128	ng/ul	96
69) Phenanthrene	17.11	178	2032222	39.292	ng/ul	98
71) Anthracene	17.20	178	281522	5.325	ng/ul	99
72) Carbazole	17.47	167	111275	2.447	ng/ul	96
74) Fluoranthene	19.13	202	921807	14.543	ng/ul#	94
77) Pyrene	19.49	202	600137	12.289	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	157373	3.086	ng/ul	97
82) Chrysene	21.29	228	135232	2.858	ng/ul	96
85) Benzo(b)fluoranthene	22.81	252	91834m	1.910	ng/ul	
88) Benzo(a)pyrene	23.38	252	57218m	1.325	ng/ul	

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

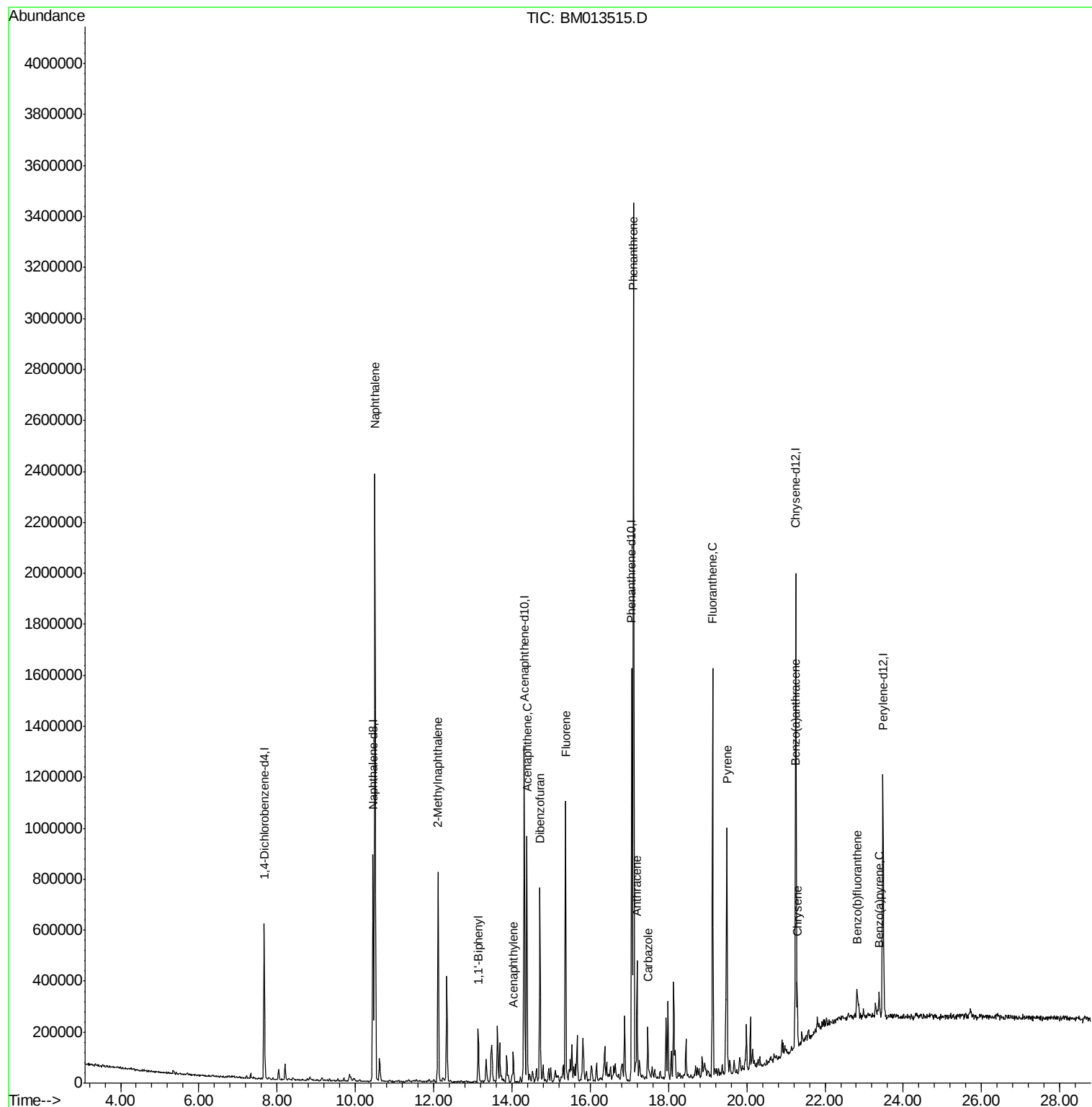
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121917\
Data File : BM013515.D
Acq On : 19 Dec 2017 16:29
Operator : SJ/JU
Sample : I6778-14MEDL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

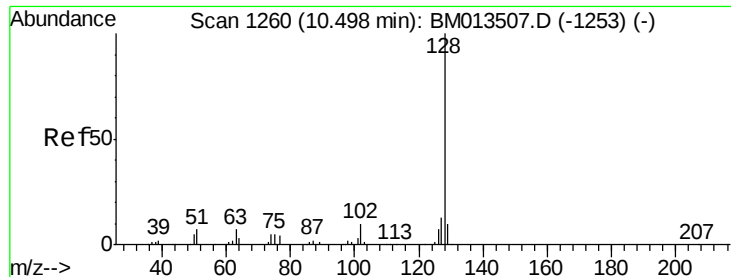
Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

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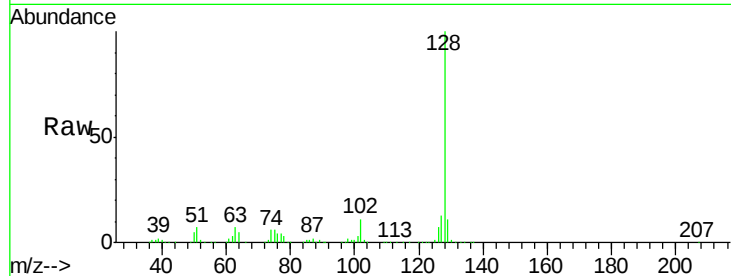
#28
Naphthalene
Concen: 50.436 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

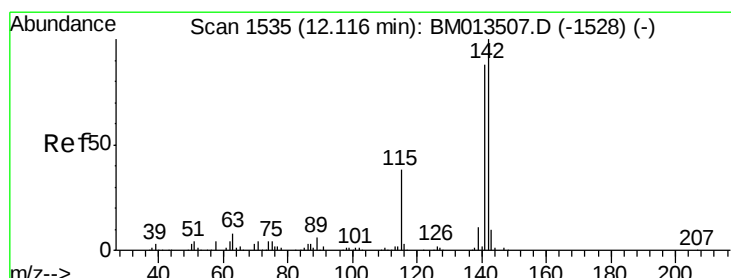
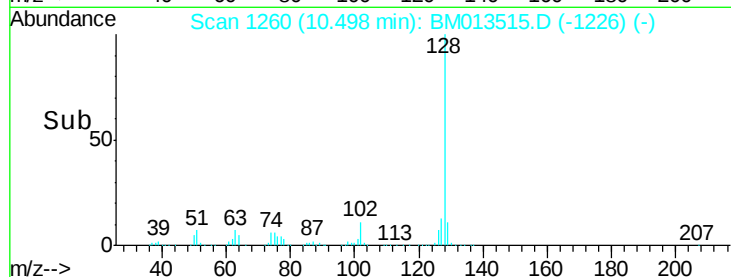
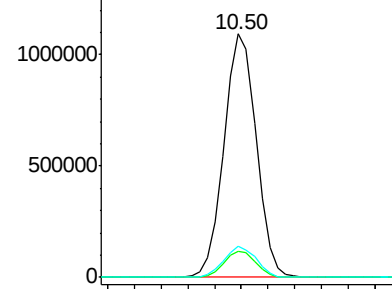
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	16.0

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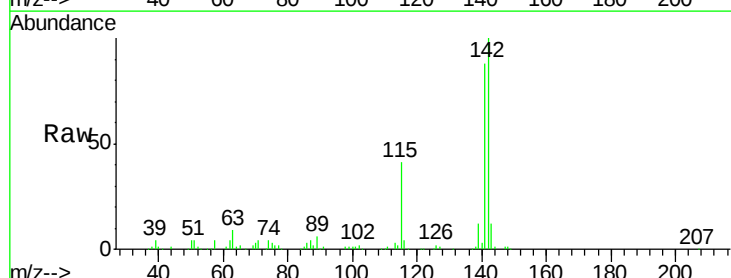


Abundance Ion 128.00 (127.70 to 128.70): E
1500000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

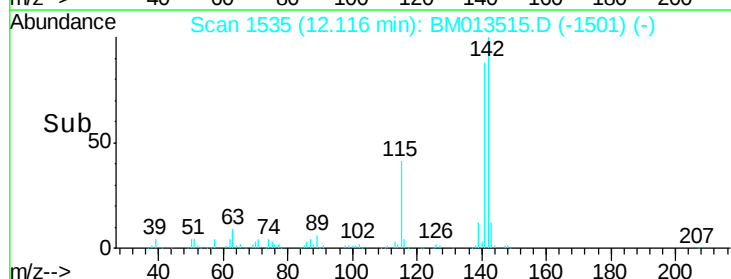
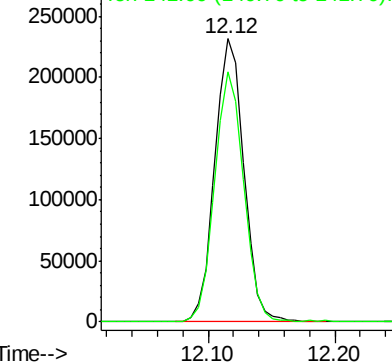


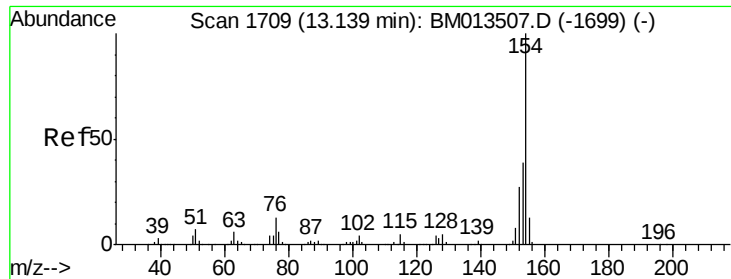
#34
2-Methylnaphthalene
Concen: 13.511 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	74.1	111.1



Abundance Ion 142.00 (141.70 to 142.70): E
250000
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 2.938 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

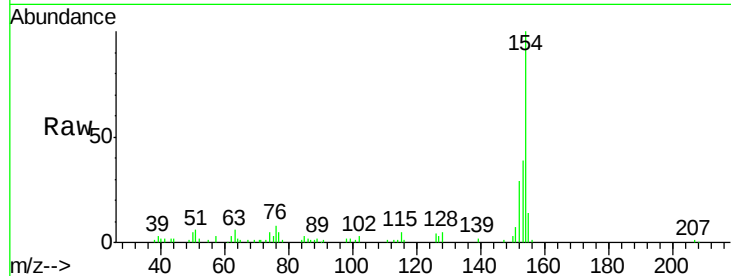
ClientSampleId :

F9A79MEDL

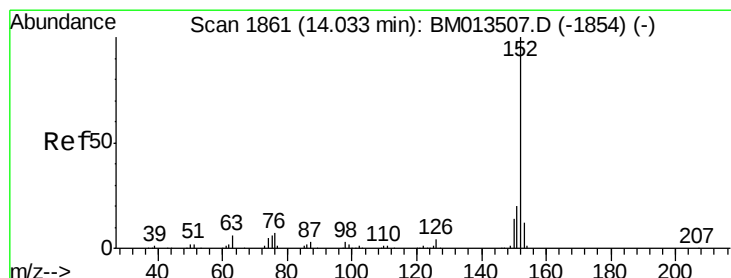
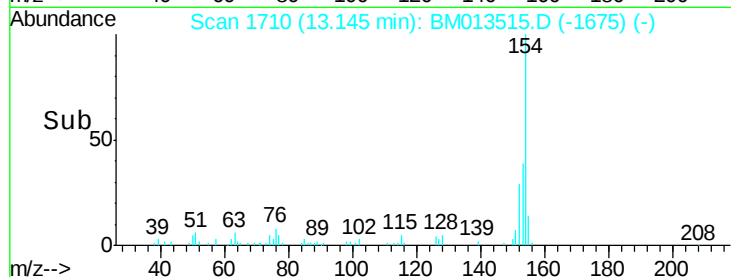
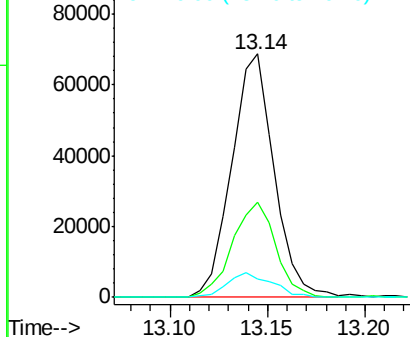
Tgt Ion:	154	Resp:	103478
Ion Ratio	Lower	Upper	
154	100		
153	39.3	32.6	48.8
76	7.6	8.5	12.7#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM



#47

Acenaphthylene

Concen: 1.034 ng/ul

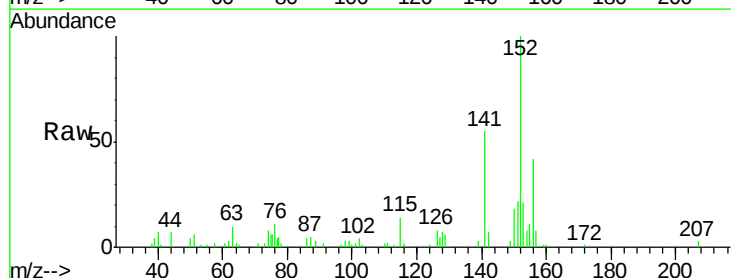
RT: 14.03 min Scan# 1861

Delta R.T. -0.00 min

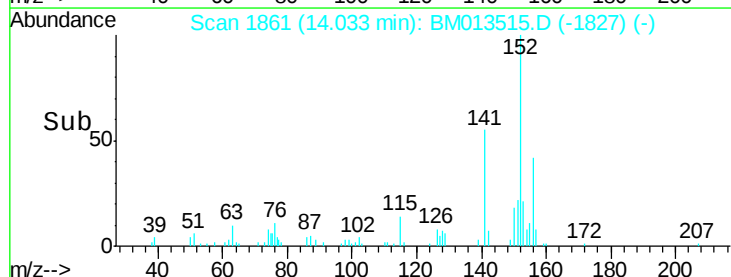
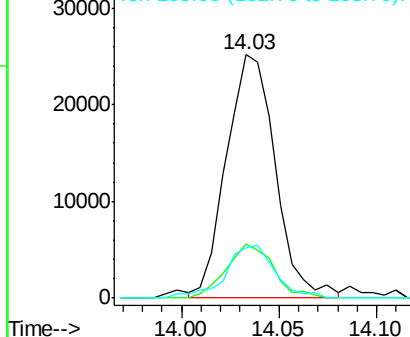
Lab File: BM013515.D

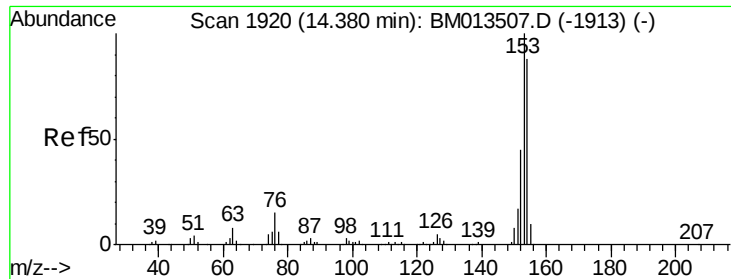
Acq: 19 Dec 2017 16:29

Tgt Ion:	152	Resp:	43784
Ion Ratio	Lower	Upper	
152	100		
151	22.2	16.3	24.5
153	20.9	10.2	15.4#



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





#49

Acenaphthene

Concen: 13.183 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL

Tgt Ion:153 Resp: 380358
Ion Ratio Lower Upper

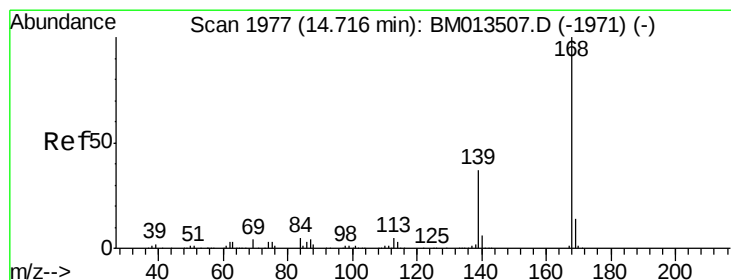
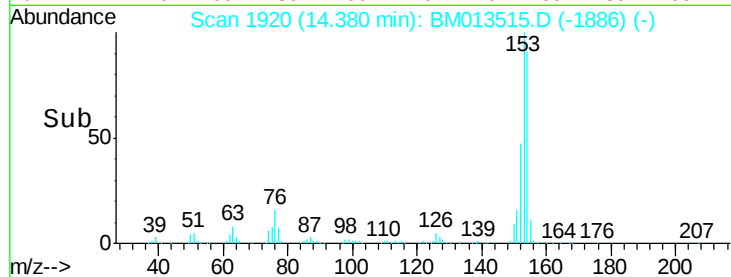
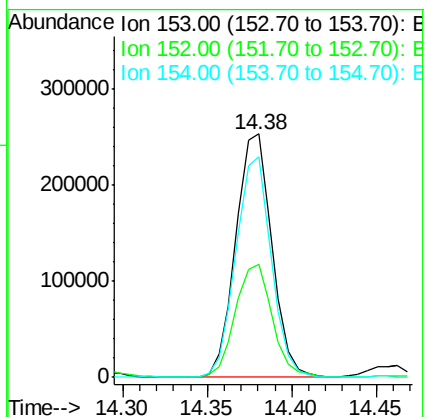
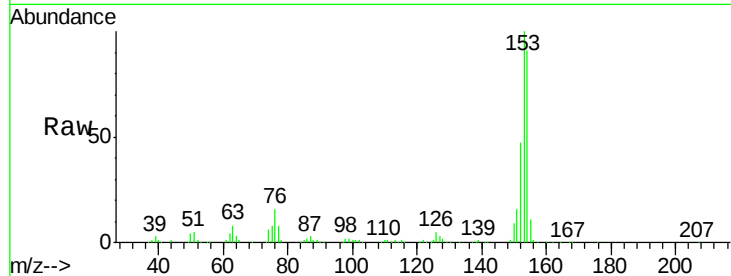
153 100

152 46.5 37.6 56.4

154 90.5 70.4 105.6

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#53

Dibenzofuran

Concen: 9.712 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

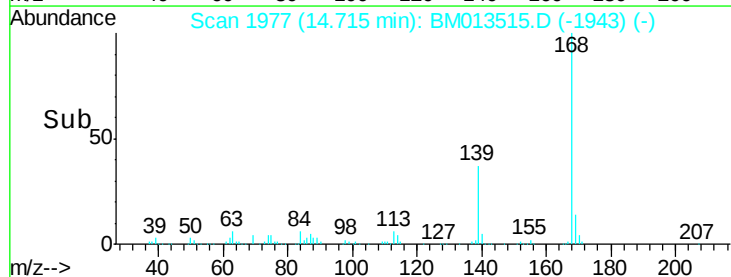
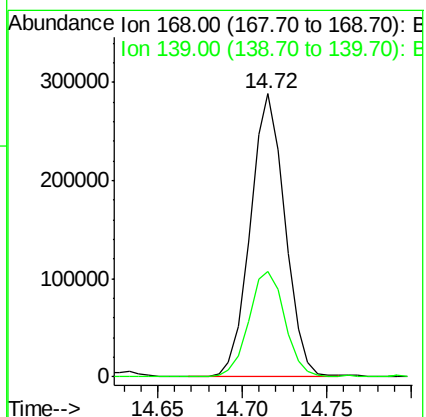
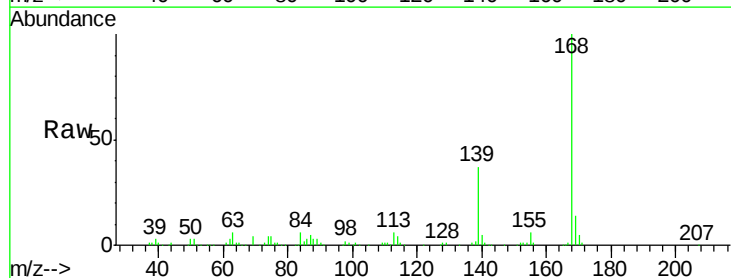
Lab File: BM013515.D

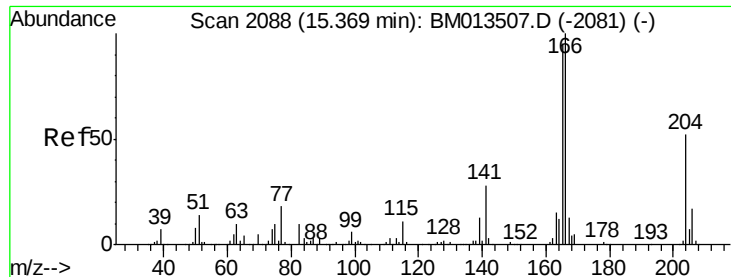
Acq: 19 Dec 2017 16:29

Tgt Ion:168 Resp: 413653
Ion Ratio Lower Upper

168 100

139 37.4 30.8 46.2





#58

Fluorene

Concen: 13.128 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL

Tgt Ion:166 Resp: 462574

Ion Ratio Lower Upper

166 100

165 93.2 77.9 116.9

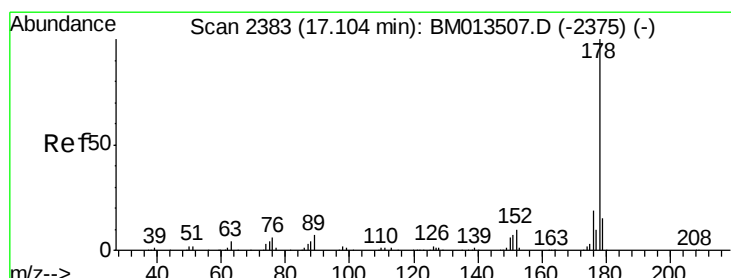
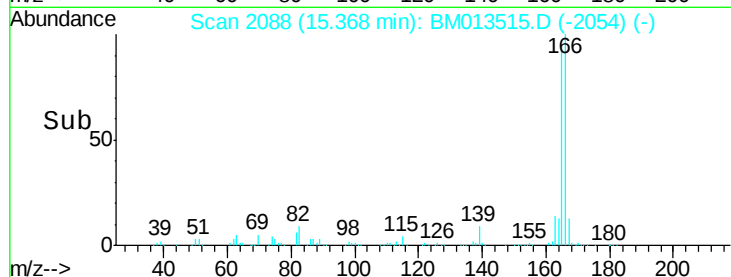
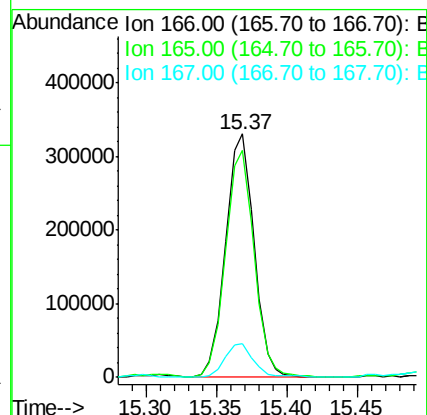
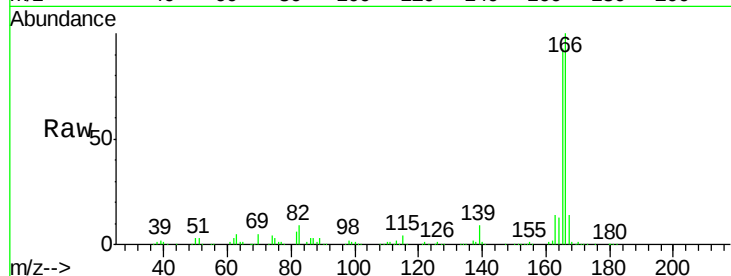
167 13.7 10.6 16.0

Manual Integrations

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#69

Phenanthrene

Concen: 39.292 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

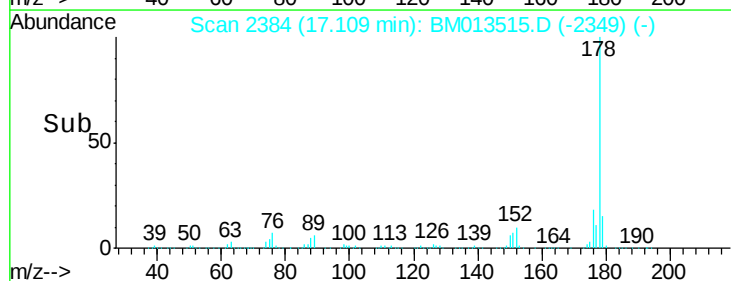
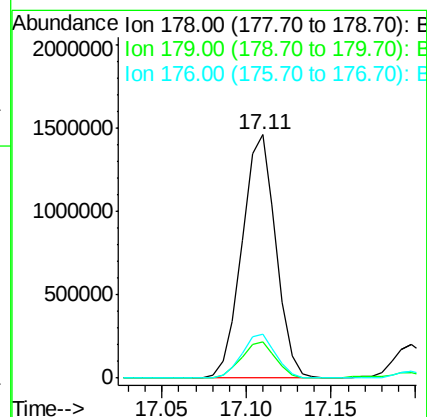
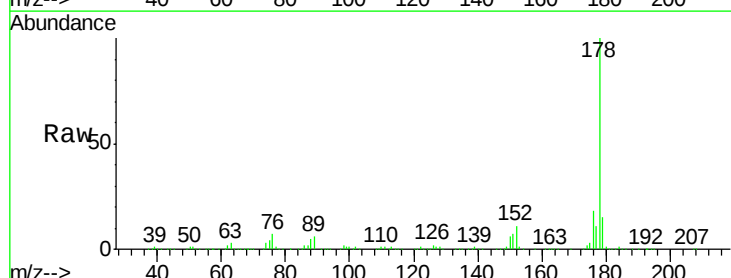
Tgt Ion:178 Resp: 2032222

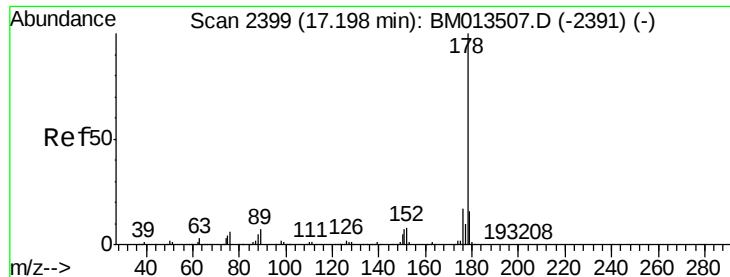
Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

176 17.9 14.9 22.3





#71

Anthracene

Concen: 5.325 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

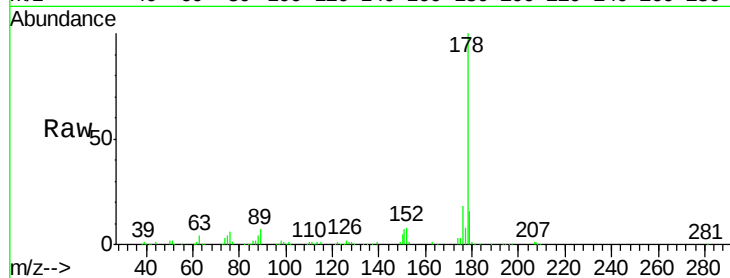
ClientSampleId :

F9A79MEDL

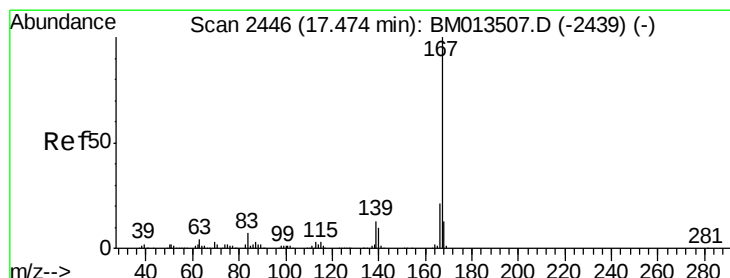
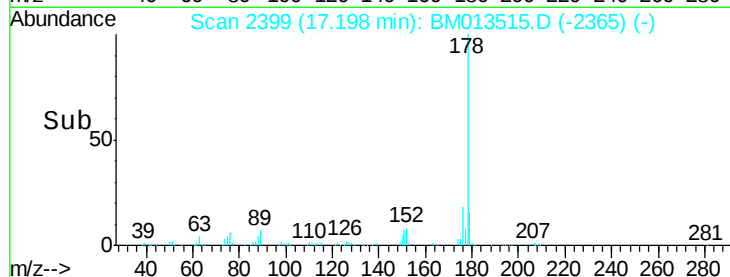
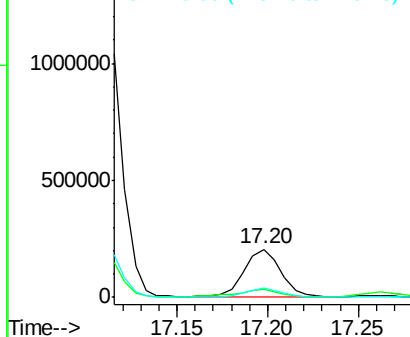
Tgt Ion:	178	Resp:	281522
Ion Ratio	Lower	Upper	
178	100		
179	15.6	11.7	17.5
176	18.4	14.6	21.8

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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: 2.447 ng/ul

RT: 17.47 min Scan# 2446

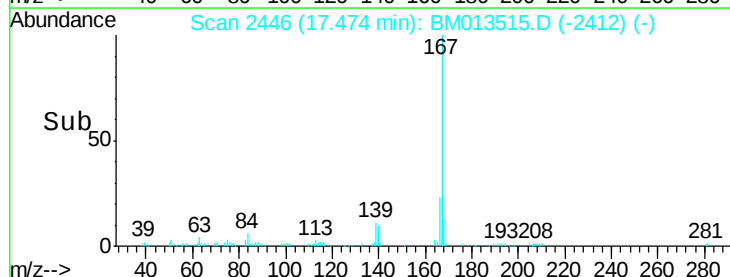
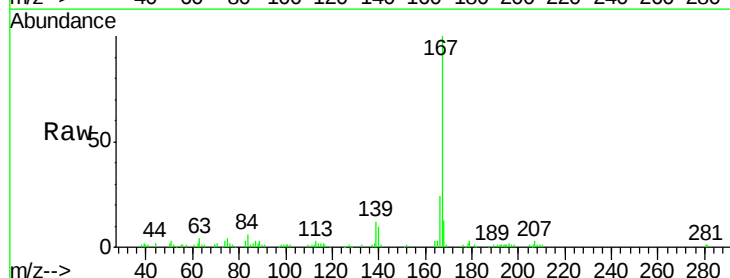
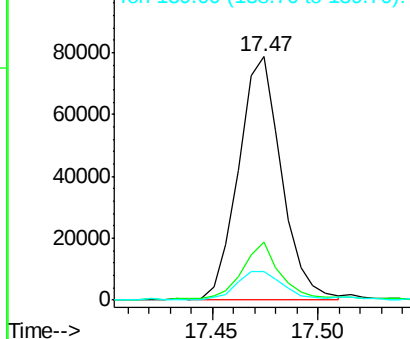
Delta R.T. -0.00 min

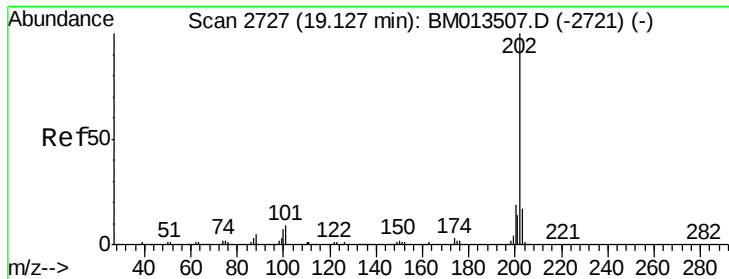
Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Tgt Ion:	167	Resp:	111275
Ion Ratio	Lower	Upper	
167	100		
166	23.7	17.1	25.7
139	11.6	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: 14.543 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL

Tgt Ion: 202 Resp: 921807

Ion Ratio Lower Upper

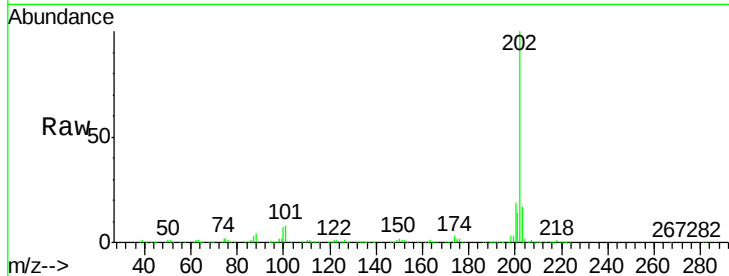
202 100

101 7.8 4.6 7.0#

100 6.5 3.4 5.2#

Manual Integrations
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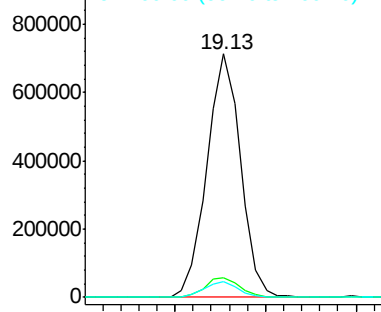
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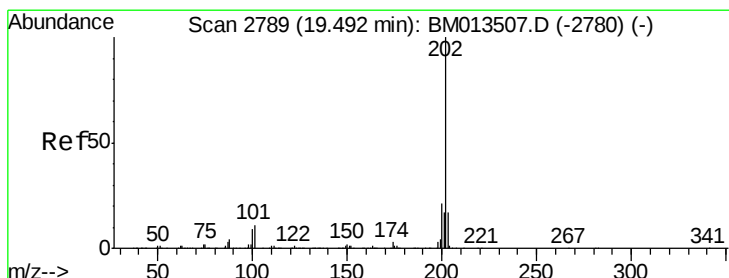
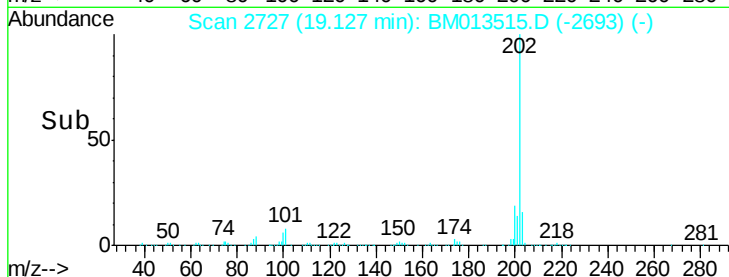
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 12.289 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

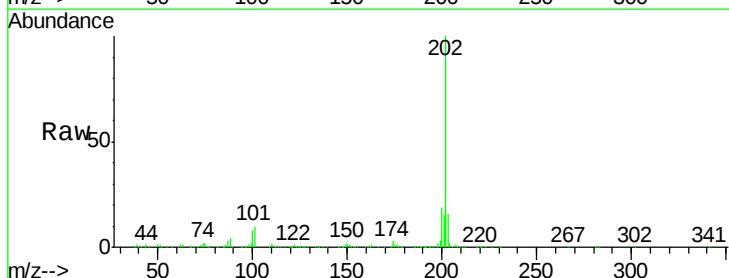
Tgt Ion: 202 Resp: 600137

Ion Ratio Lower Upper

202 100

101 10.1 5.1 7.7#

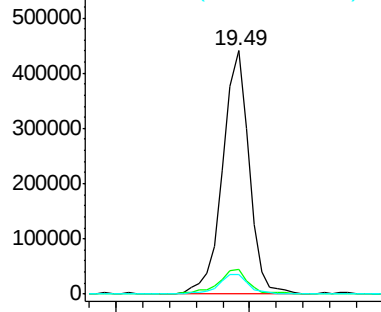
100 8.2 4.9 7.3#



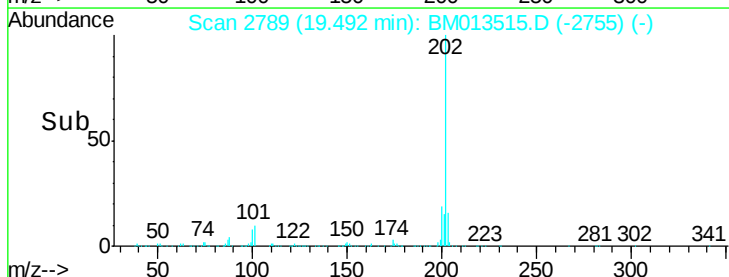
Abundance Ion 202.00 (201.70 to 202.70): E

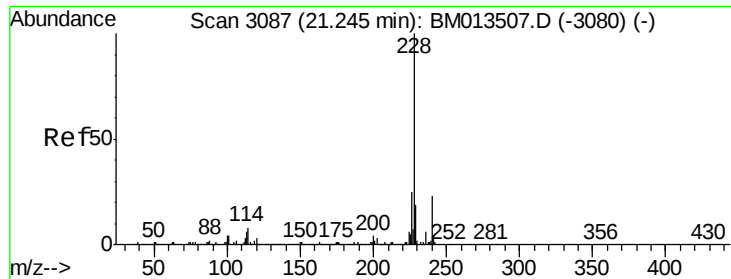
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





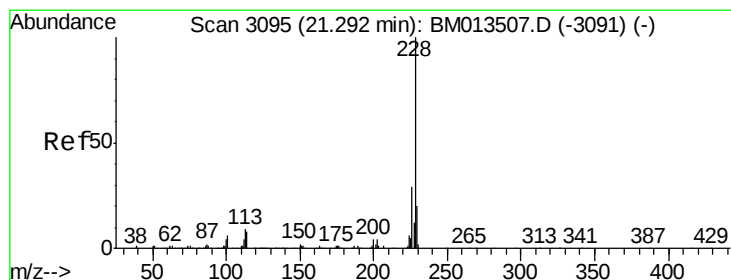
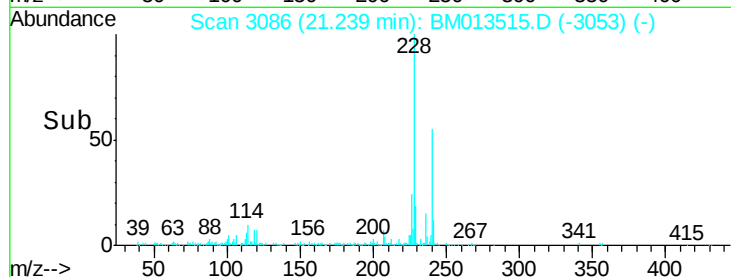
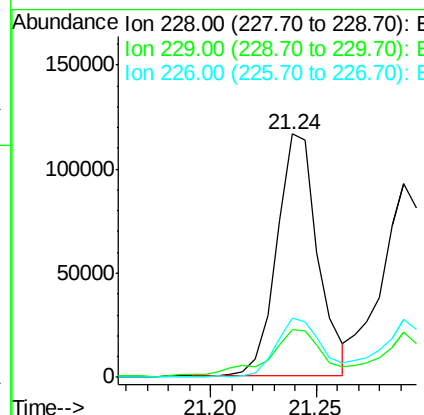
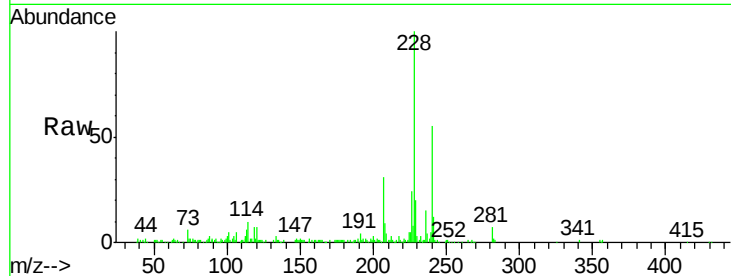
#80
Benzo(a)anthracene
Concen: 3.086 ng/ul
RT: 21.24 min Scan# 3086
Delta R.T. -0.01 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	157373		
229	19.8	15.4	23.0	
226	24.3	21.4	32.0	

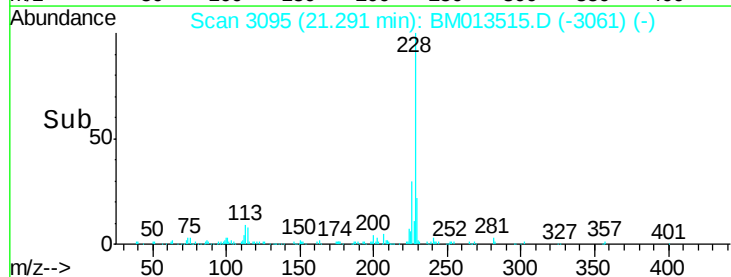
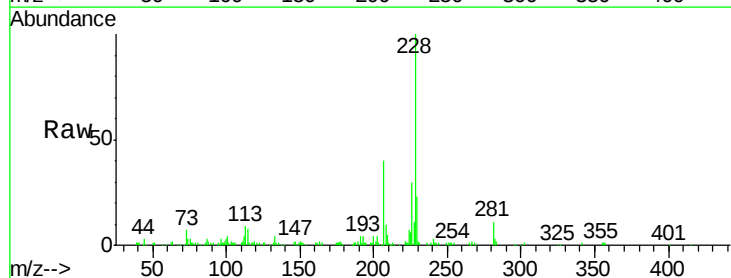
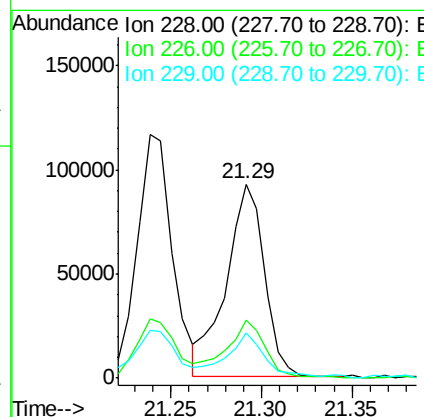
Manual Integrations
APPROVED

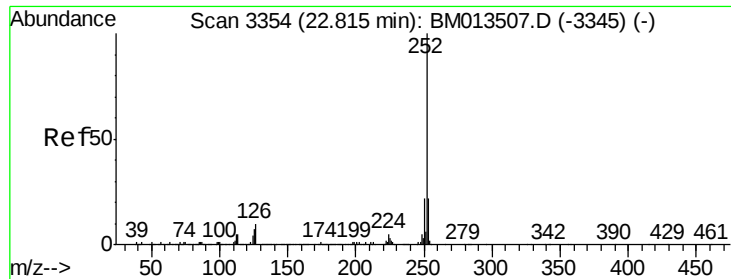
Sohil
12/20/2017 3:49:39 PM



#82
Chrysene
Concen: 2.858 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	135232		
226	29.8	23.4	35.2	
229	23.2	15.5	23.3	





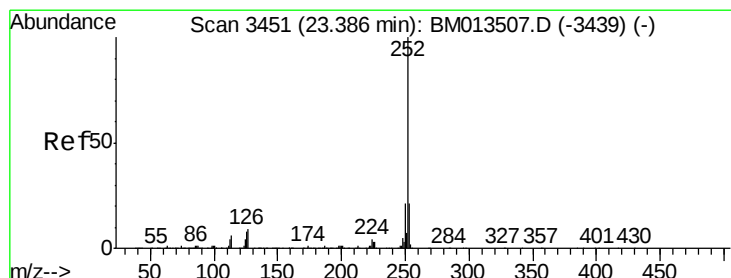
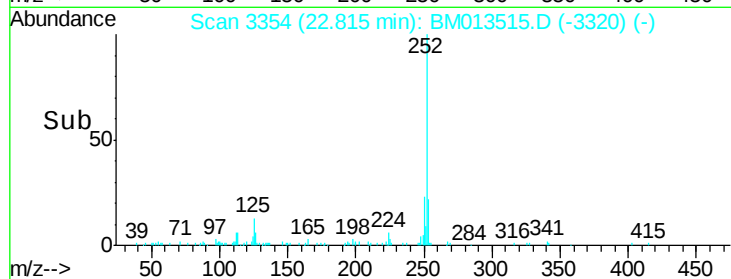
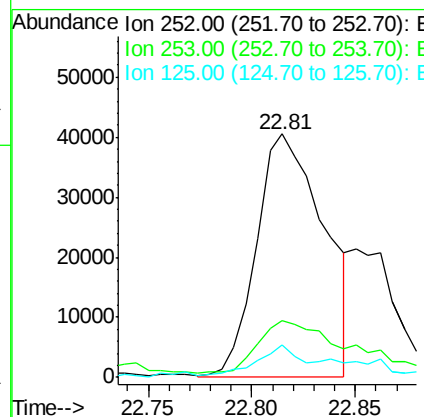
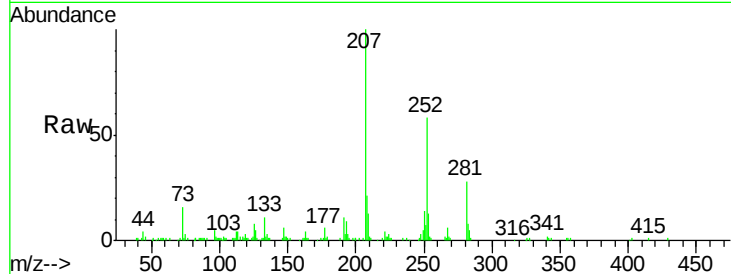
#85
Benzo(b)fluoranthene
Concen: 1.910 ng/ul m
RT: 22.81 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	13.3	3.6	5.4

Manual Integrations
APPROVED

Sohil
12/20/2017 3:49:39 PM



#88
Benzo(a)pyrene
Concen: 1.325 ng/ul m
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	7.4	4.0	6.0

