

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013502.D
 Acq On : 18 Dec 2017 17:12
 Operator : SJ/JU
 Sample : I6778-14MEDL2 30X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A79MEDL2

Manual Integrations
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 12/19/2017 4:56:39 PM

Quant Time: Dec 19 02:10:14 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	215816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	951564	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	531446	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1111450	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	907513	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	768073	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	494	0.11	ng/uL	0.00
5) Phenol-d5	6.86	99	22072	1.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	14101	1.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	17771	1.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	19858	1.24	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	11845	1.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	10537	1.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	21668	1.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	14527	0.95	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	68395	1.45	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	85666	1.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	1532	0.19	ng/ul	0.00
57) Fluorene-d10	15.31	176	61186	1.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	4152	0.59	ng/ul	0.02
70) Anthracene-d10	17.17	188	90860	1.63	ng/ul	0.00
76) Pyrene-d10	19.46	212	84047	1.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	58096	1.48	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.51	128	11335220	231.535	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	2338816	63.551	ng/ul	97
40) 1,1'-Biphenyl	13.14	154	646481	14.393	ng/ul	98
47) Acenaphthylene	14.03	152	283346	5.246	ng/ul#	93
49) Acenaphthene	14.38	153	2419790	65.773	ng/ul	99
53) Dibenzofuran	14.72	168	2578975	47.484	ng/ul	97
58) Fluorene	15.37	166	2878258	64.060	ng/ul	99
69) Phenanthrene	17.12	178	12364783	195.820	ng/ul	97
71) Anthracene	17.20	178	1645414	25.493	ng/ul	99
72) Carbazole	17.47	167	711184	12.810	ng/ul	100
74) Fluoranthene	19.13	202	5721260	73.936	ng/ul#	92
77) Pyrene	19.50	202	3622872	65.710	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	921048	15.996	ng/ul	98
82) Chrysene	21.29	228	758461	14.198	ng/ul	97
85) Benzo(b)fluoranthene	22.81	252	515909	9.964	ng/ul#	97
86) Benzo(k)fluoranthene	22.85	252	174220m	3.576	ng/ul	
88) Benzo(a)pyrene	23.38	252	345231	7.423	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	149193	3.233	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.71	278	41000	1.043	ng/ul#	75
91) Benzo(g,h,i)perylene	26.39	276	110989	3.049	ng/ul#	89

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

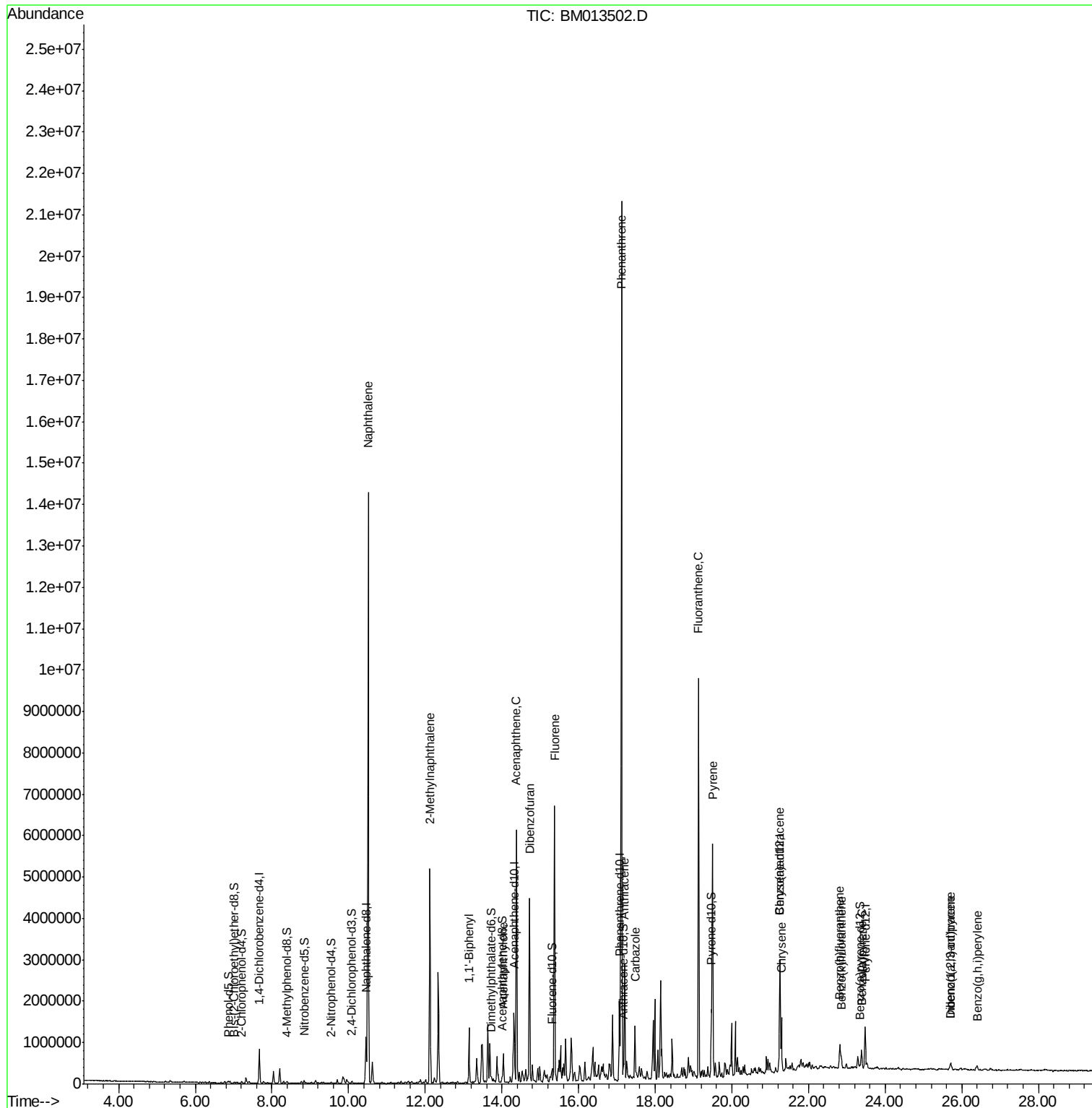
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013502.D
Acq On : 18 Dec 2017 17:12
Operator : SJ/JU
Sample : I6778-14MEDL2 30X
Misc :
ALS Vial : 14 Sample Multiplier: 1

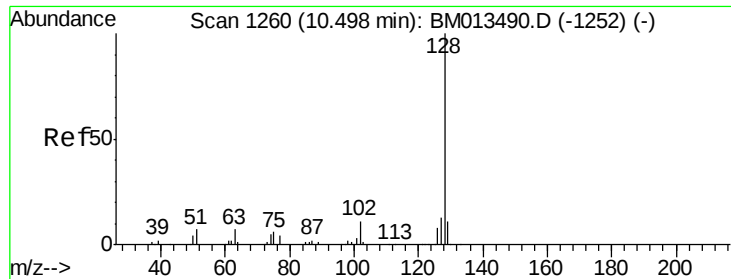
Instrument :
BNA_M
ClientSampleId :
F9A79MEDL2

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Quant Title : SVOA CALIBRATION
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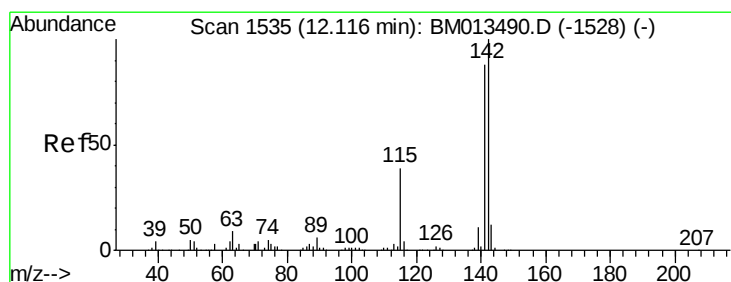
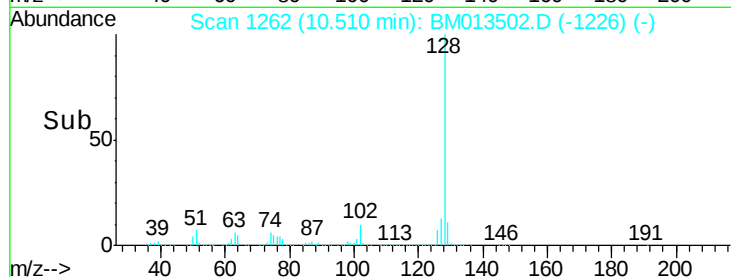
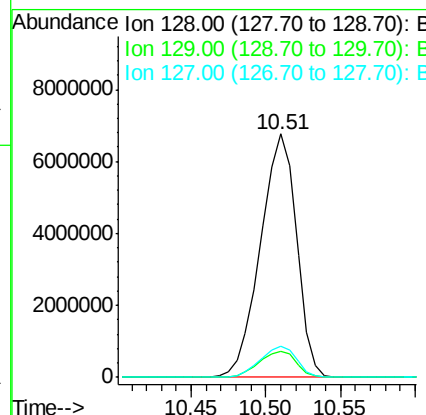
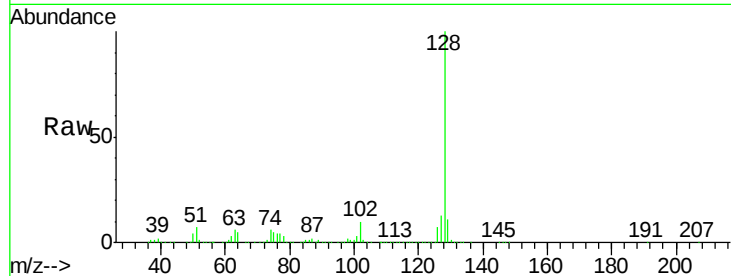
#28
Naphthalene
Concen: 231.535 ng/ul
RT: 10.51 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BM013502.D
Acq: 18 Dec 2017 17:12

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL2

Tgt Ion:128 Resp:11335220
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.0 10.6 16.0

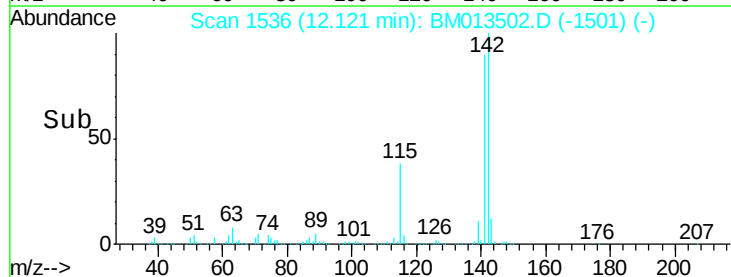
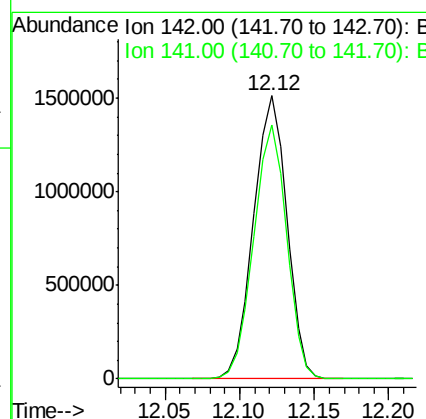
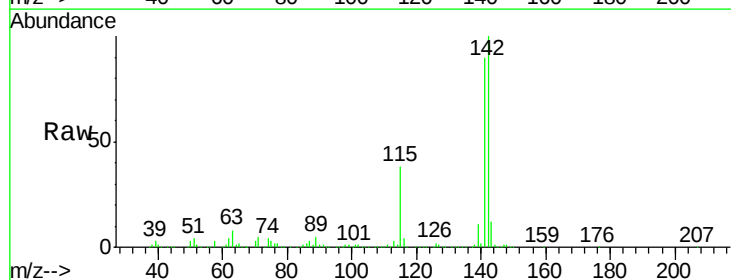
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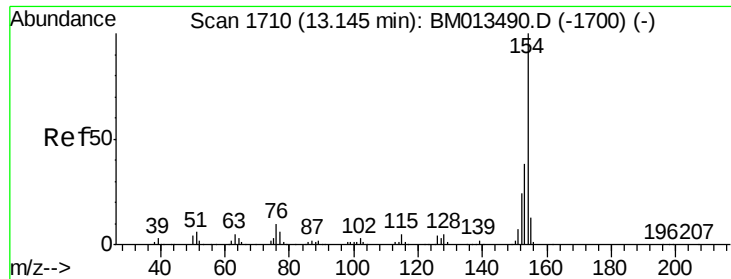
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#34
2-Methylnaphthalene
Concen: 63.551 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BM013502.D
Acq: 18 Dec 2017 17:12

Tgt Ion:142 Resp: 2338816
Ion Ratio Lower Upper
142 100
141 89.9 74.1 111.1





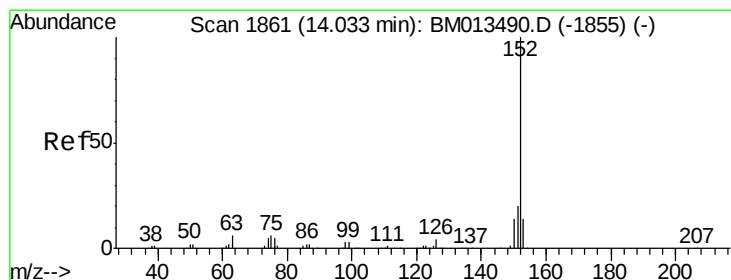
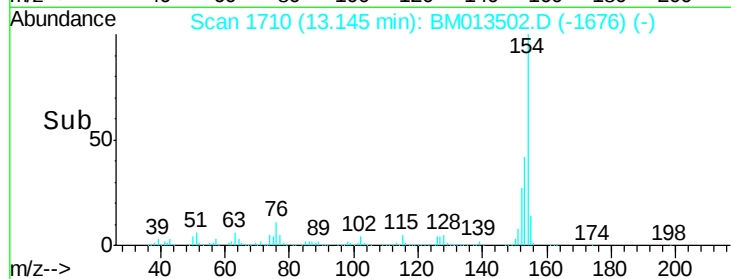
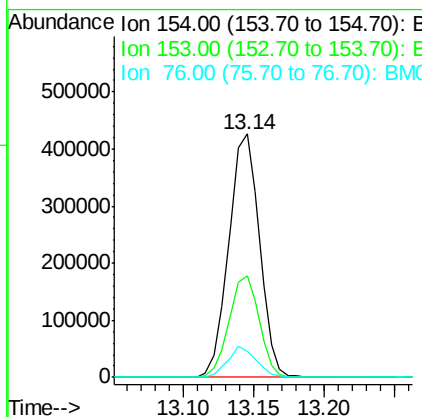
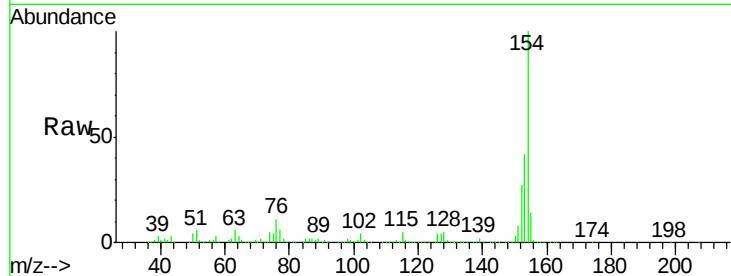
#40
 1,1'-Biphenyl
 Concen: 14.393 ng/ul
 RT: 13.14 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BM013502.D
 Acq: 18 Dec 2017 17:12

Instrument :
 BNA_M
 ClientSampleId :
 F9A79MEDL2

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.6	48.8
76	10.6	8.5	12.7

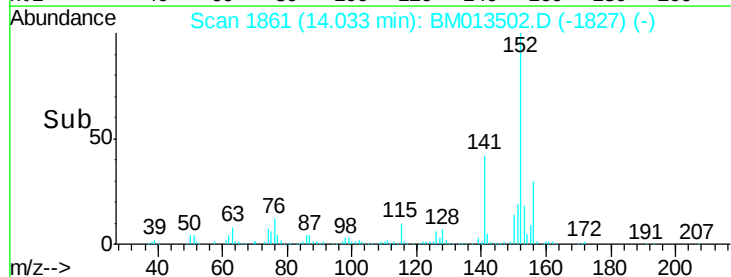
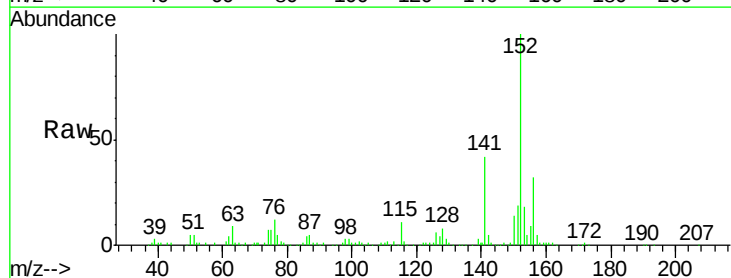
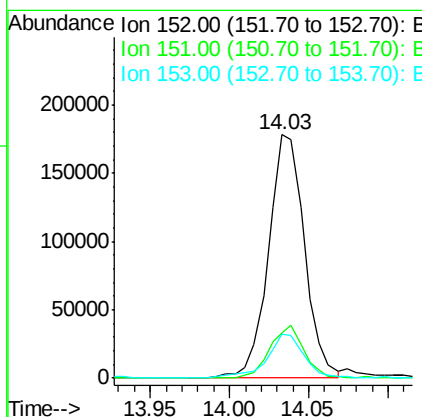
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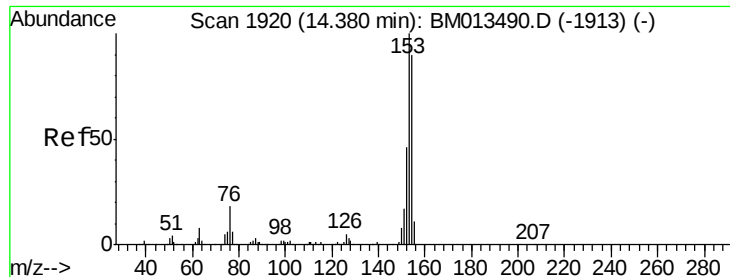
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#47
 Acenaphthylene
 Concen: 5.246 ng/ul
 RT: 14.03 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BM013502.D
 Acq: 18 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.3	24.5
153	17.9	10.2	15.4#





#49

Acenaphthene

Concen: 65.773 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL2

Tgt Ion:153 Resp: 2419790

Ion Ratio Lower Upper

153 100

152 46.4 37.6 56.4

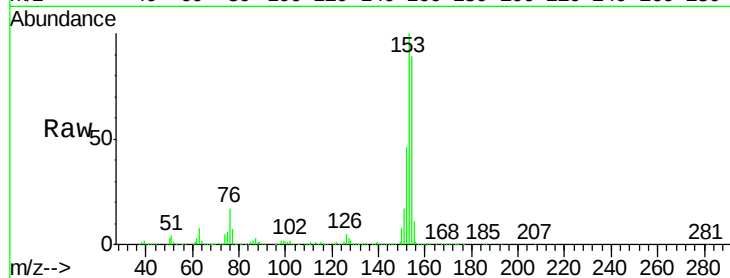
154 88.9 70.4 105.6

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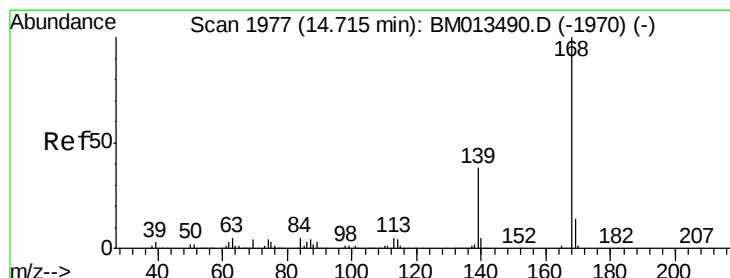
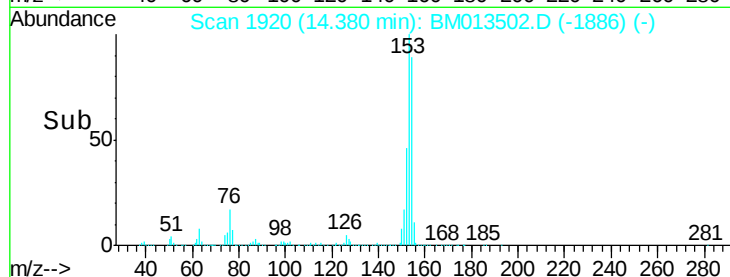
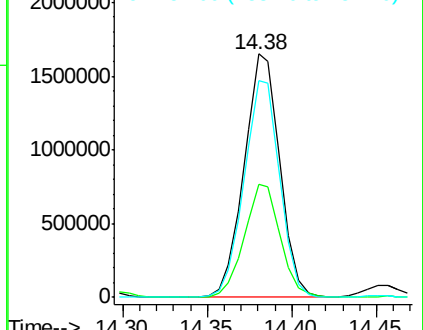
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 47.484 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BM013502.D

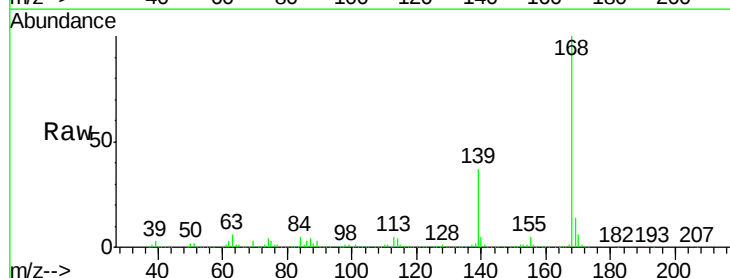
Acq: 18 Dec 2017 17:12

Tgt Ion:168 Resp: 2578975

Ion Ratio Lower Upper

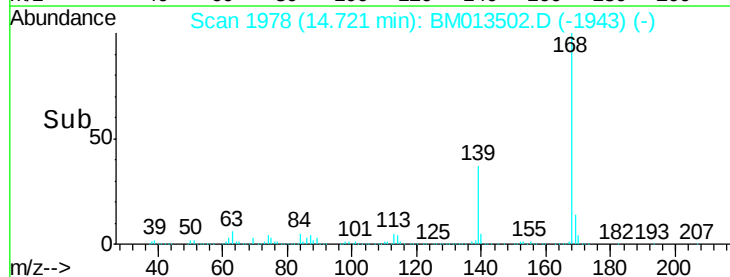
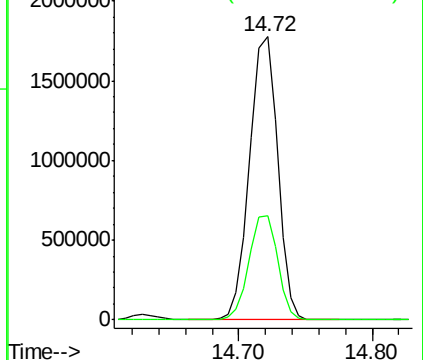
168 100

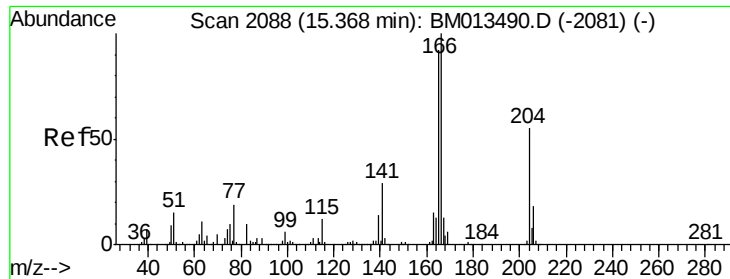
139 36.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 64.060 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

Instrument :

BNA_M

ClientSampleId :

F9A79MEDL2

Tgt Ion:166 Resp: 2878258

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

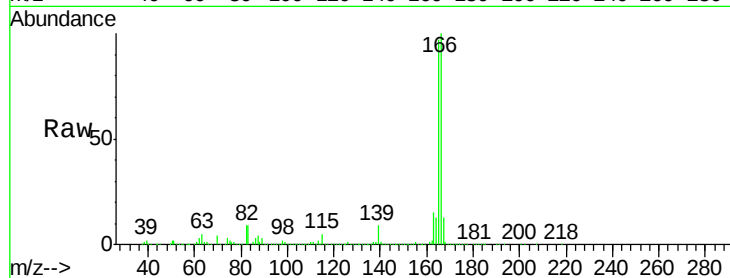
167 13.4 10.6 16.0

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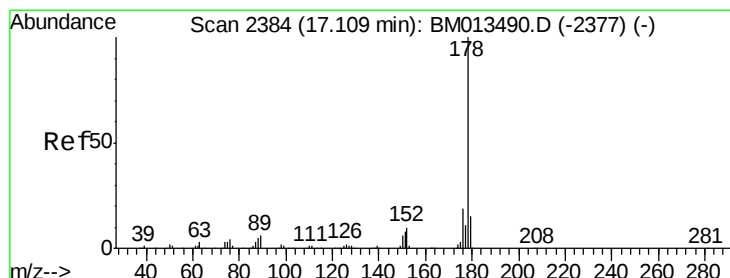
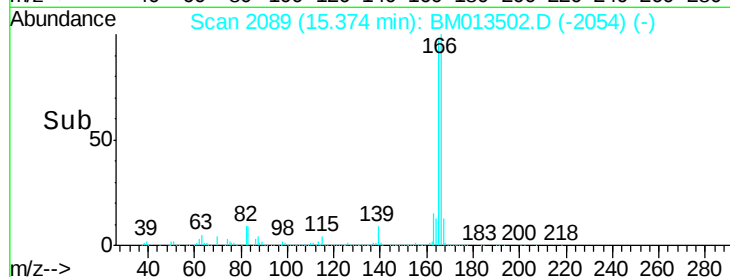
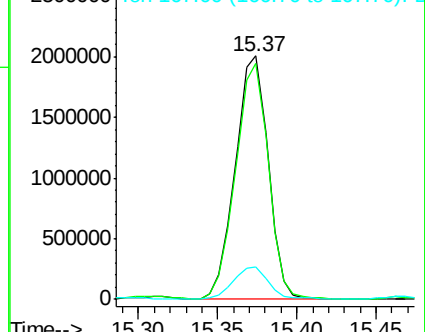
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 195.820 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

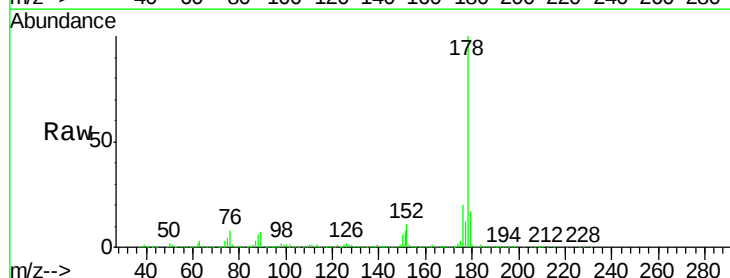
Tgt Ion:178 Resp:12364783

Ion Ratio Lower Upper

178 100

179 16.7 12.6 19.0

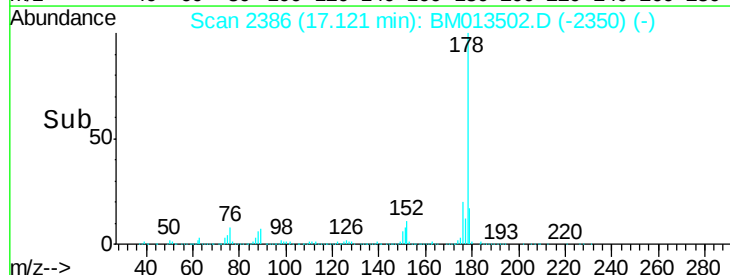
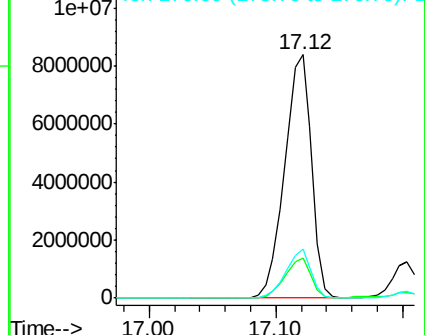
176 20.0 14.9 22.3

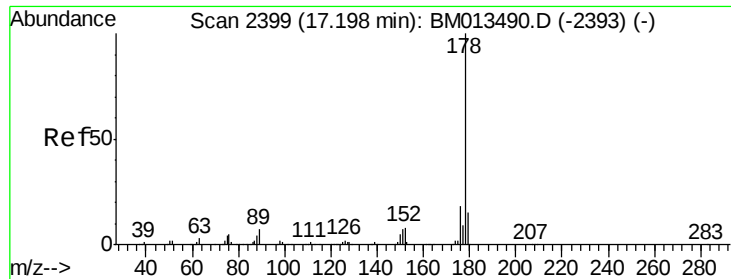


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





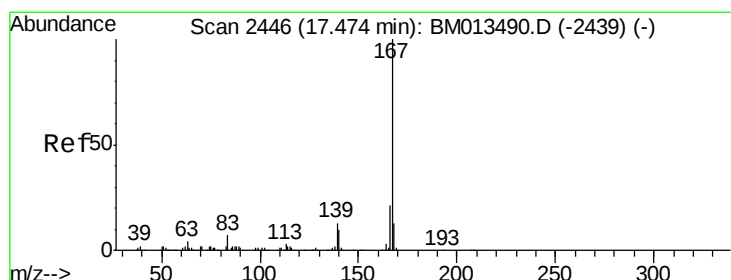
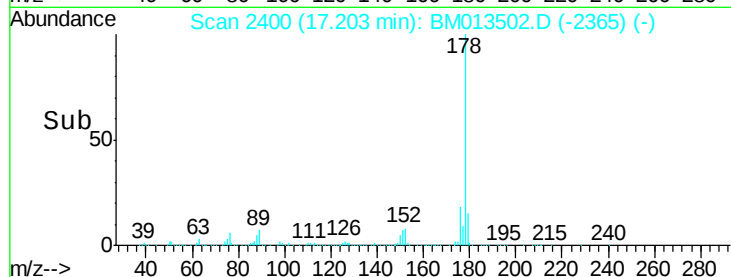
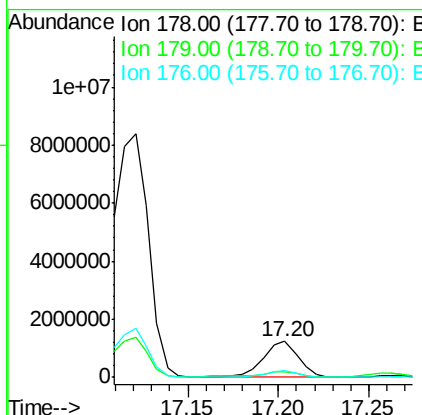
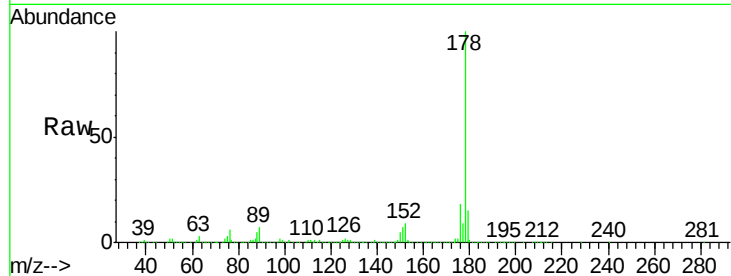
#71
 Anthracene
 Concen: 25.493 ng/ul
 RT: 17.20 min Scan# 2400
 Delta R.T. 0.01 min
 Lab File: BM013502.D
 Acq: 18 Dec 2017 17:12

Instrument :
 BNA_M
 ClientSampled :
 F9A79MEDL2

Tgt Ion:178 Resp: 1645414
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.7 17.5
 176 17.8 14.6 21.8

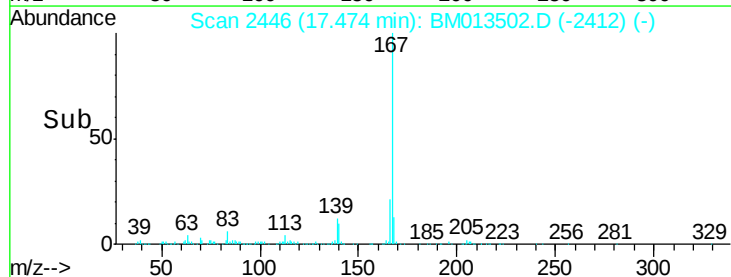
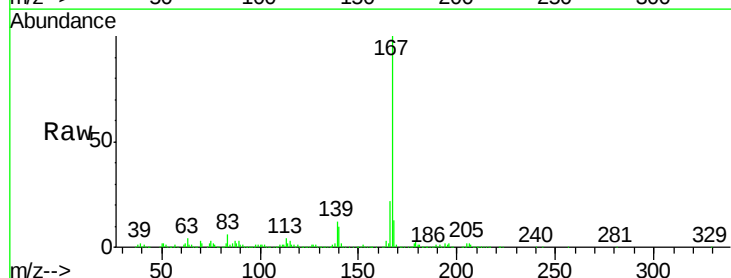
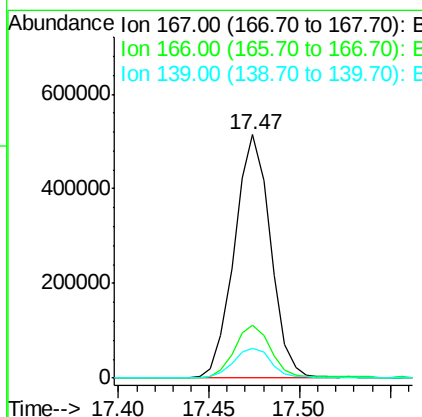
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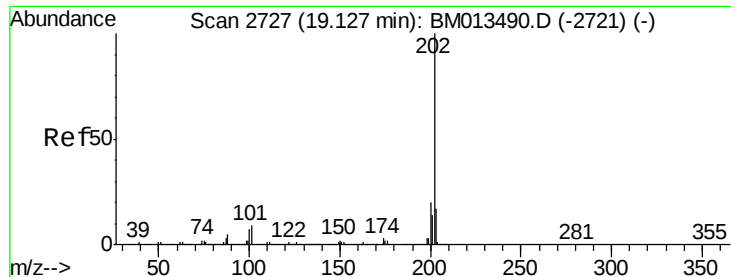
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#72
 Carbazole
 Concen: 12.810 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013502.D
 Acq: 18 Dec 2017 17:12

Tgt Ion:167 Resp: 711184
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 12.5 10.0 15.0





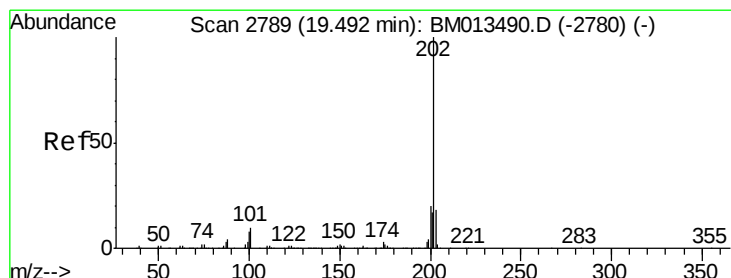
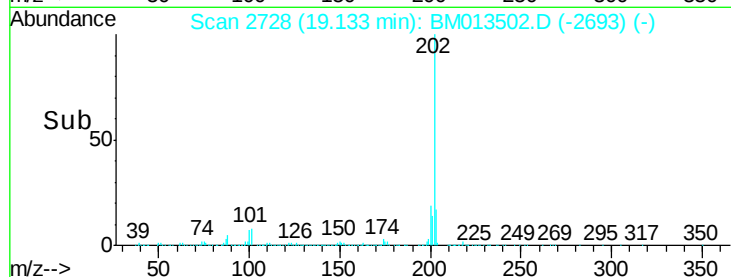
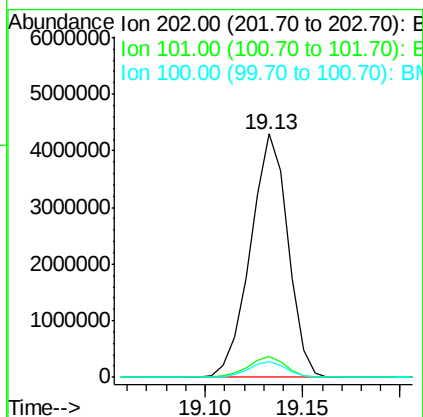
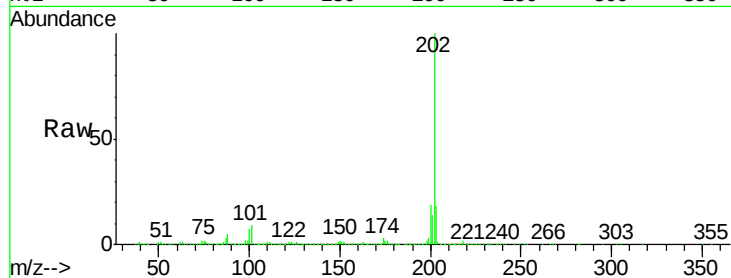
#74
 Fluoranthene
 Concen: 73.936 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. 0.01 min
 Lab File: BM013502.D
 Acq: 18 Dec 2017 17:12

Instrument :
 BNA_M
 ClientSampleId :
 F9A79MEDL2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	4.6	7.0#
100	6.6	3.4	5.2#

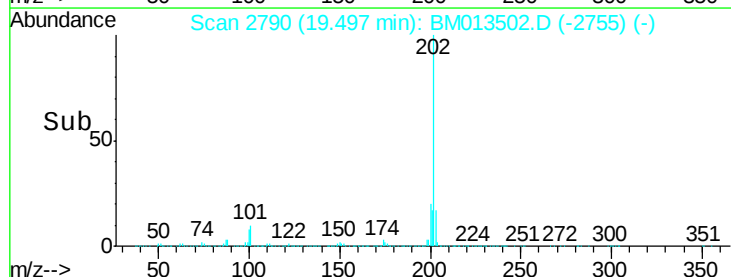
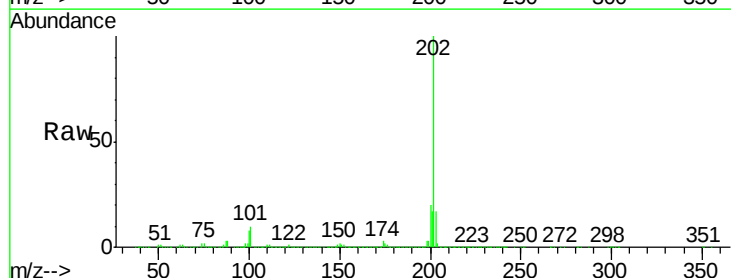
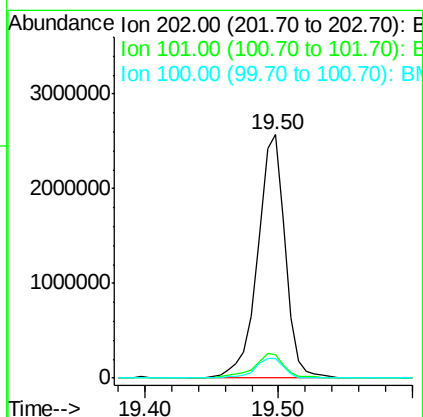
Manual Integrations
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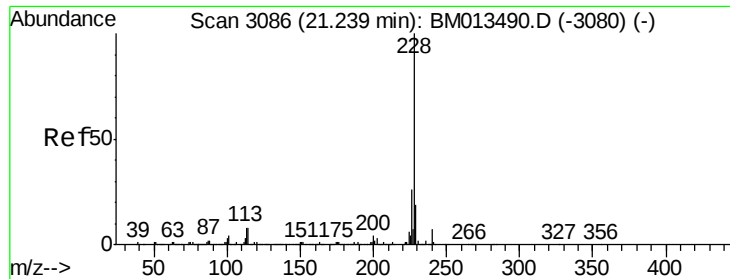
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#77
 Pyrene
 Concen: 65.710 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013502.D
 Acq: 18 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	5.1	7.7#
100	8.1	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 15.996 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

Instrument :

BNA_M

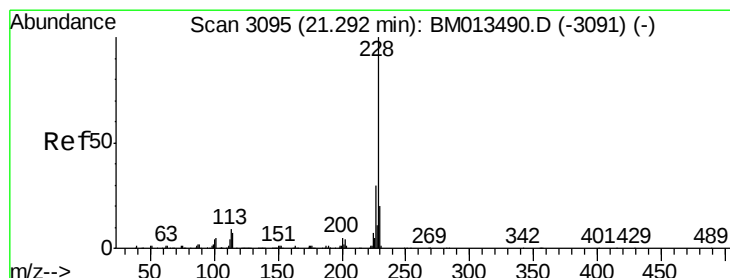
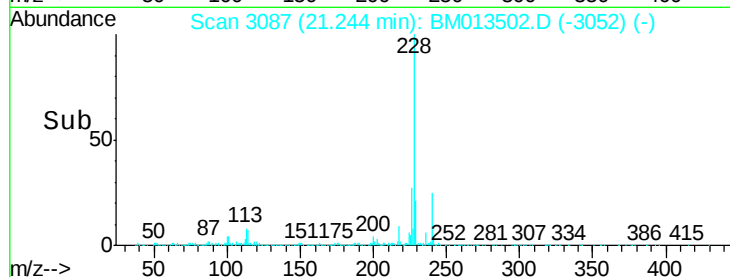
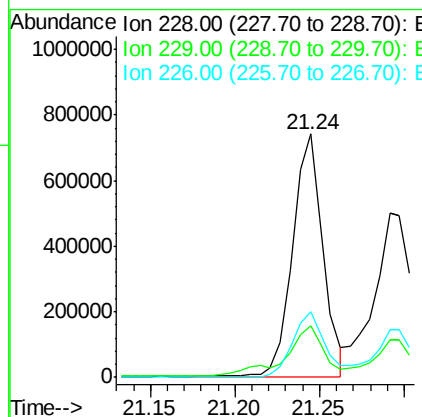
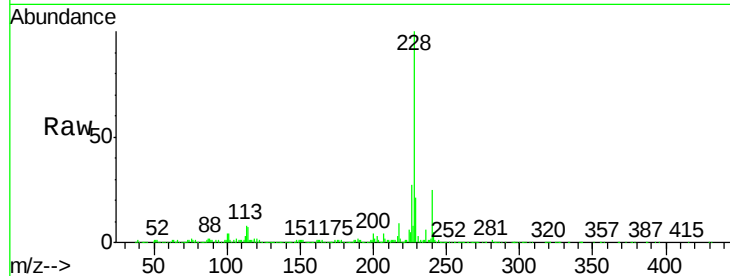
ClientSampleId :

F9A79MEDL2

Tgt Ion:	228	Resp:	921048
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.4	23.0
226	26.9	21.4	32.0

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#82

Chrysene

Concen: 14.198 ng/ul

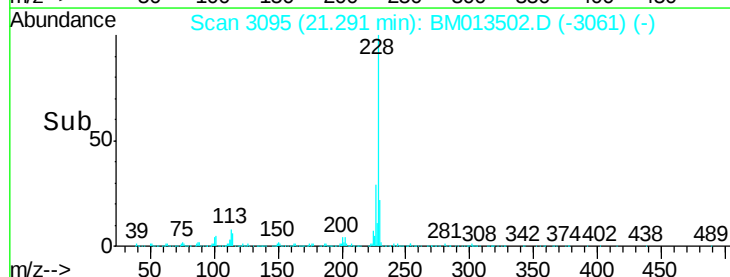
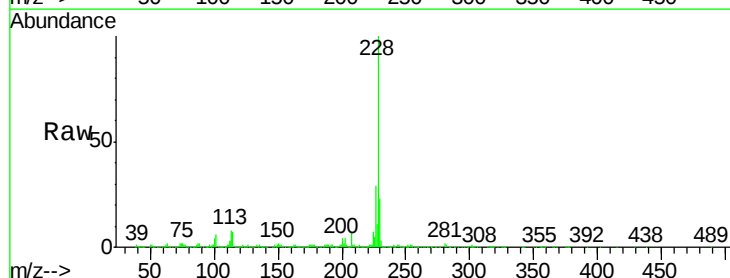
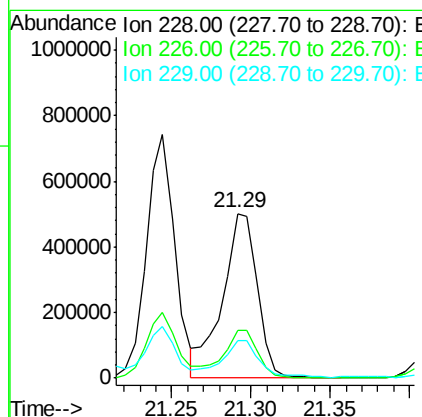
RT: 21.29 min Scan# 3095

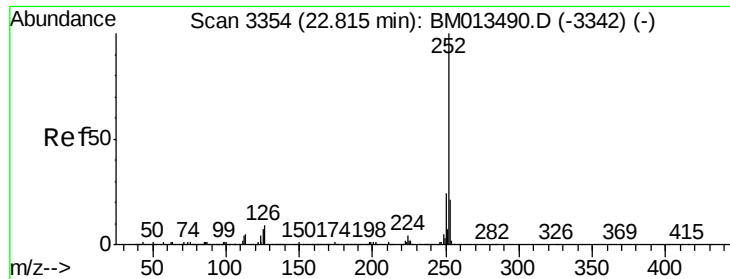
Delta R.T. -0.00 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

Tgt Ion:	228	Resp:	758461
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.4	35.2
229	22.5	15.5	23.3





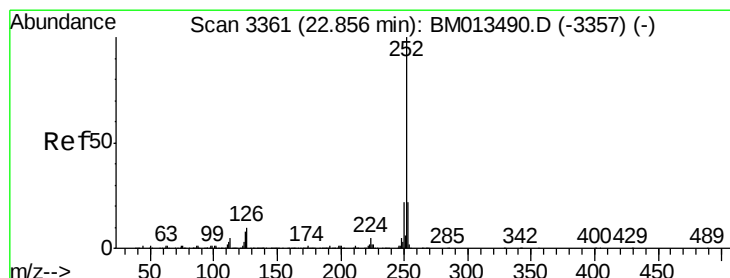
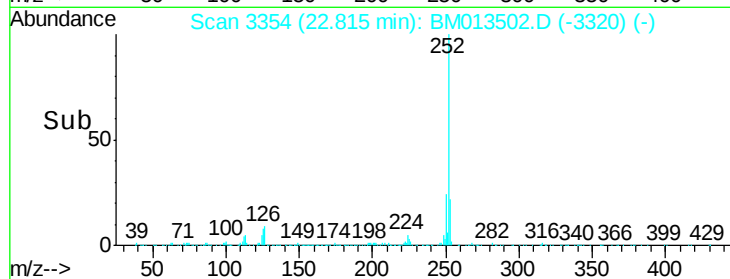
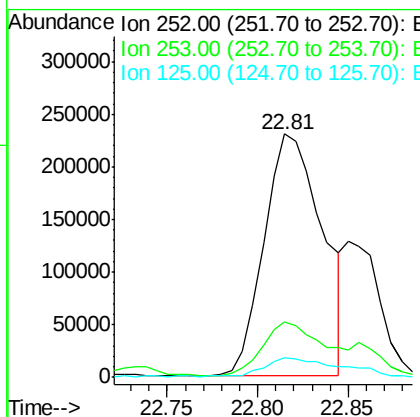
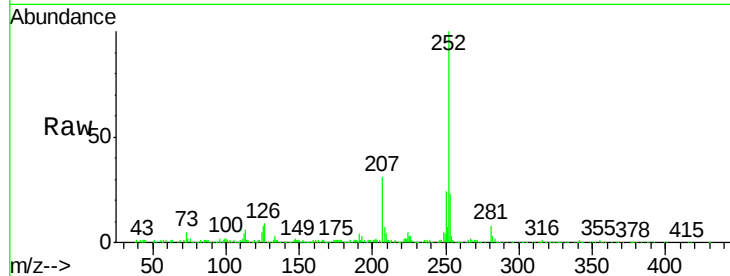
#85
Benzo(b)fluoranthene
Concen: 9.964 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013502.D
Acq: 18 Dec 2017 17:12

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	515909		
253	22.9	17.9	26.9	
125	8.1	3.6	5.4	

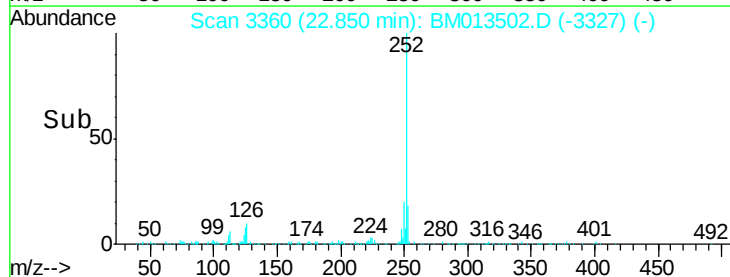
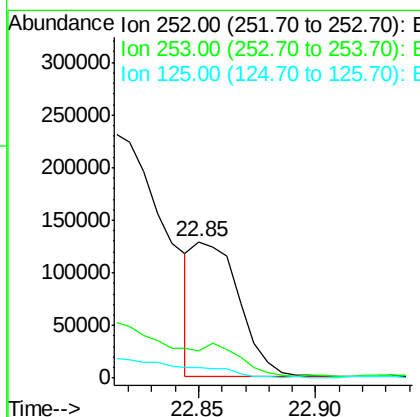
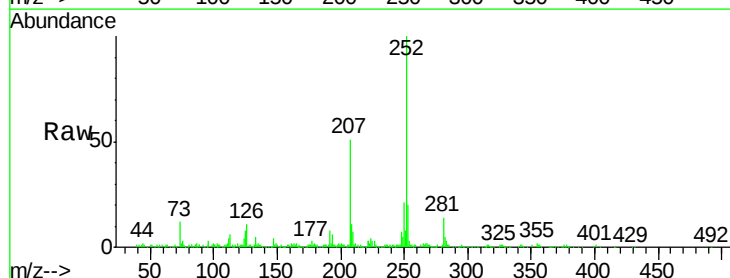
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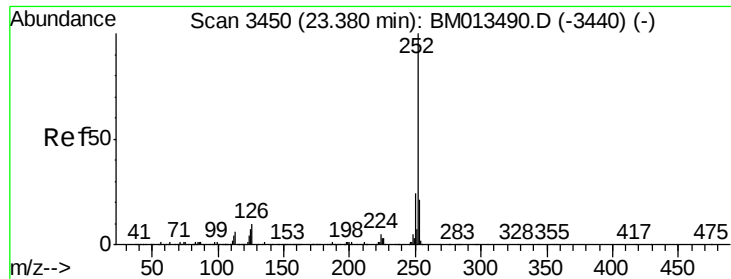
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#86
Benzo(k)fluoranthene
Concen: 3.576 ng/ul m
RT: 22.85 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM013502.D
Acq: 18 Dec 2017 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	174220		
253	19.9	17.1	25.7	
125	7.8	3.4	5.2	





#88

Benzo(a)pyrene

Concen: 7.423 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. -0.00 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

Instrument :

BNA_M

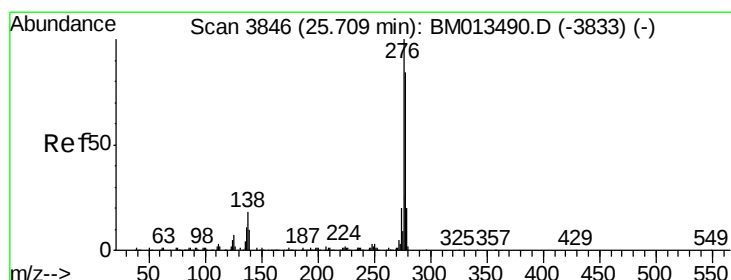
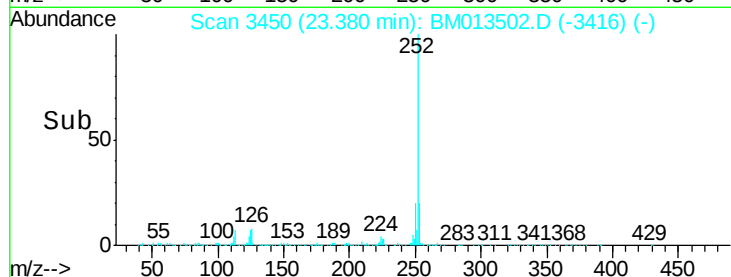
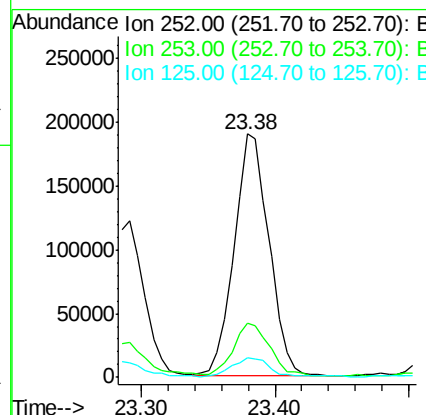
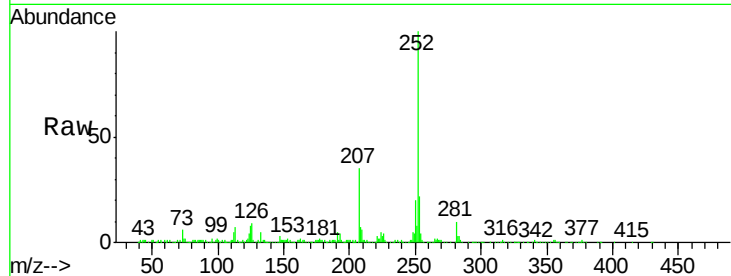
ClientSampleId :

F9A79MEDL2

Tgt Ion:	252	Resp:	345231
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.2
125	7.9	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.233 ng/ul

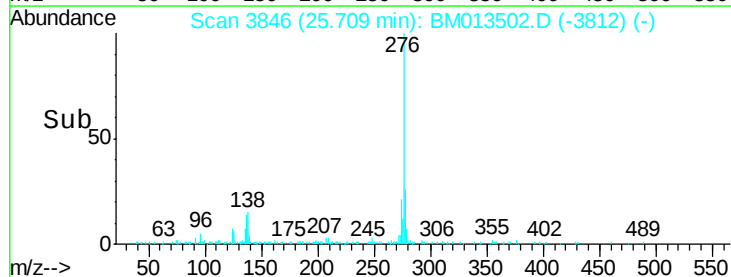
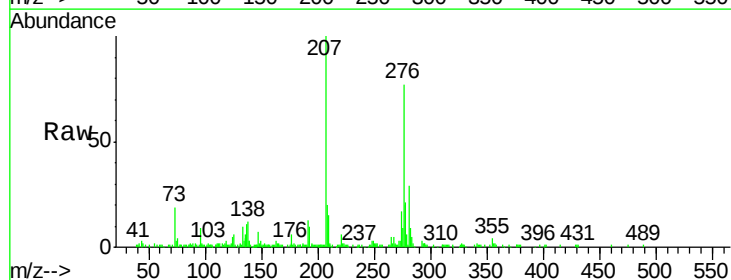
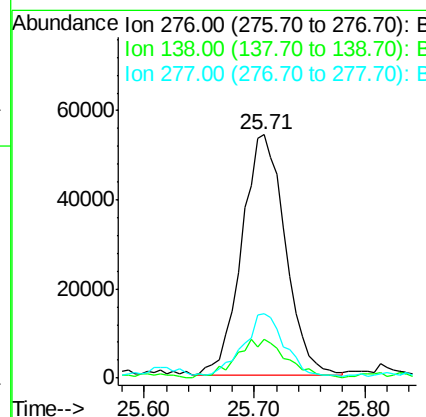
RT: 25.71 min Scan# 3846

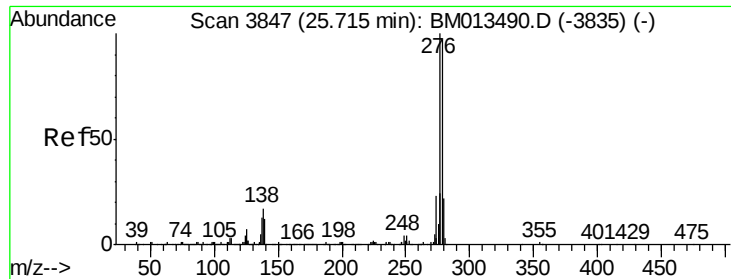
Delta R.T. -0.00 min

Lab File: BM013502.D

Acq: 18 Dec 2017 17:12

Tgt Ion:	276	Resp:	149193
Ion Ratio	Lower	Upper	
276	100		
138	16.0	9.3	13.9#
277	26.6	19.9	29.9





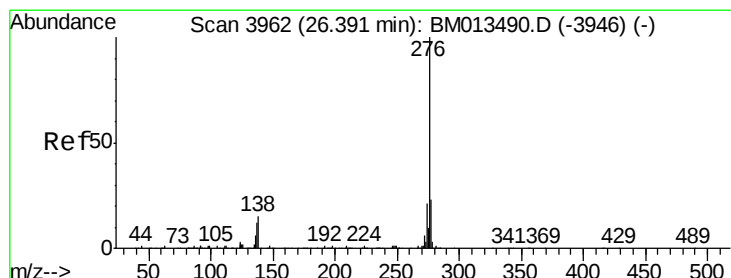
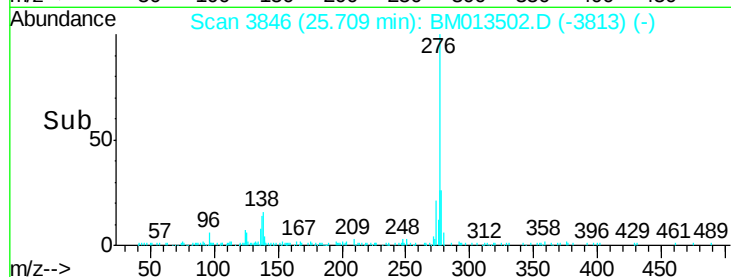
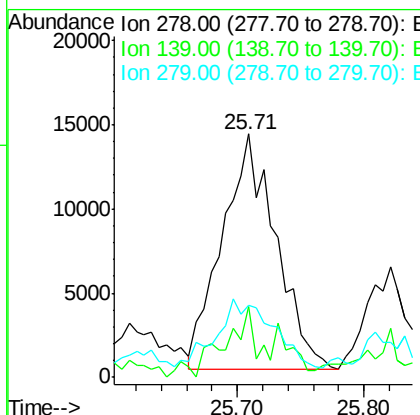
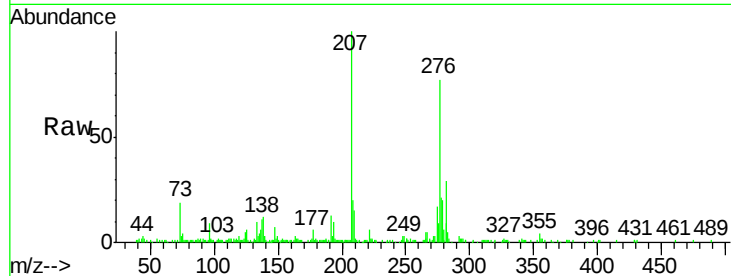
#90
Dibenzo(a,h)anthracene
Concen: 1.043 ng/ul
RT: 25.71 min Scan# 3846
Delta R.T. -0.01 min
Lab File: BM013502.D
Acq: 18 Dec 2017 17:12

Instrument :
BNA_M
ClientSampleId :
F9A79MEDL2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.9	5.8	8.8#
279	29.5	18.6	27.8#

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#91
Benzo(g,h,i)perylene
Concen: 3.049 ng/ul
RT: 26.39 min Scan# 3962
Delta R.T. -0.00 min
Lab File: BM013502.D
Acq: 18 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	8.5	12.7#
277	19.0	18.6	28.0

