

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
 Data File : BM013439.D
 Acq On : 15 Dec 2017 14:56
 Operator : SJ/JU
 Sample : I6759-12MEDL 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A20MEDL

Quant Time: Dec 15 16:19:03 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	185518	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	798109	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	497788	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1136014	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1266480	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1030239	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1625	0.43	ng/uL	0.00
5) Phenol-d5	6.86	99	30403	1.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	20513	2.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	25663	2.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	25918	1.89	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	14013	2.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	13297	1.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	25562	1.83	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	29426	2.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	104314	2.35	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	114987	2.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	6952	0.90	ng/ul	0.02
57) Fluorene-d10	15.32	176	86248	2.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	6649	0.93	ng/ul	0.00
70) Anthracene-d10	17.17	188	135503	2.38	ng/ul	0.00
76) Pyrene-d10	19.46	212	152600	2.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	112108	2.14	ng/ul	-0.01

Target Compounds

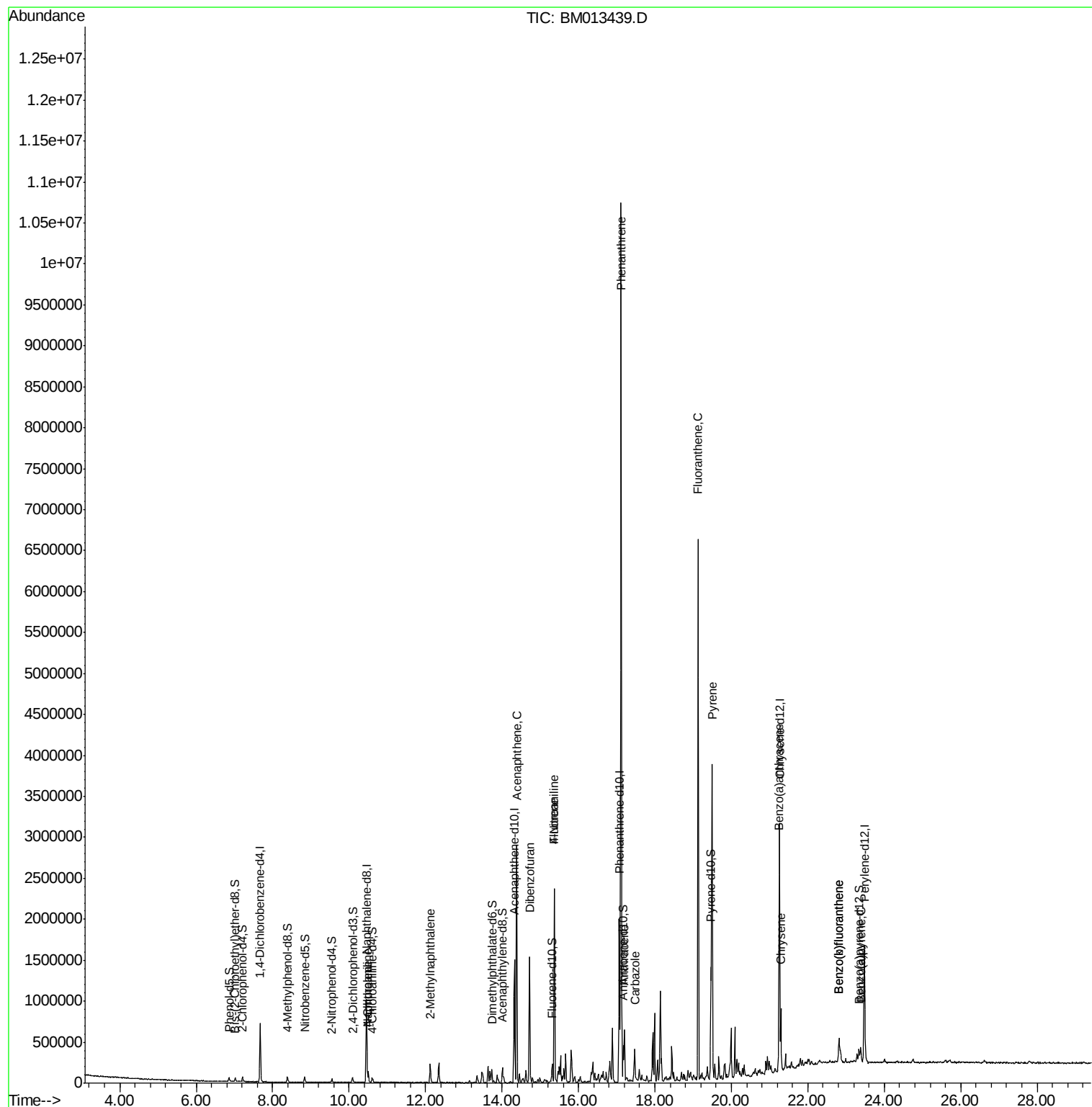
					Qvalue	
28) Naphthalene	10.50	128	106043	2.583	ng/ul	96
30) 4-Chloroaniline	10.50	127	13527	1.089	ng/ul#	19
34) 2-Methylnaphthalene	12.12	142	102207	3.311	ng/ul	97
49) Acenaphthene	14.38	153	1175994	34.126	ng/ul	99
53) Dibenzofuran	14.72	168	908144	17.851	ng/ul	98
58) Fluorene	15.37	166	1009568	23.989	ng/ul	98
60) 4-Nitroaniline	15.37	138	12657	1.389	ng/ul#	13
69) Phenanthrene	17.12	178	6046505	93.687	ng/ul	99
71) Anthracene	17.20	178	414337	6.281	ng/ul	97
72) Carbazole	17.47	167	212857	3.751	ng/ul	97
74) Fluoranthene	19.13	202	3794539	47.977	ng/ul#	93
77) Pyrene	19.50	202	2524080	32.805	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	556671	6.928	ng/ul	99
82) Chrysene	21.30	228	429561	5.762	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	246749	3.553	ng/ul#	95
86) Benzo(k)fluoranthene	22.82	252	246749	3.775	ng/ul#	96
88) Benzo(a)pyrene	23.38	252	106761	1.711	ng/ul#	93

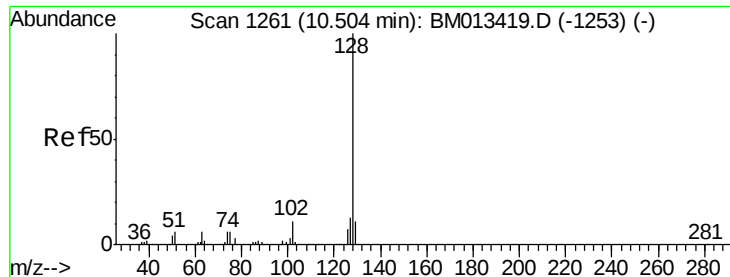
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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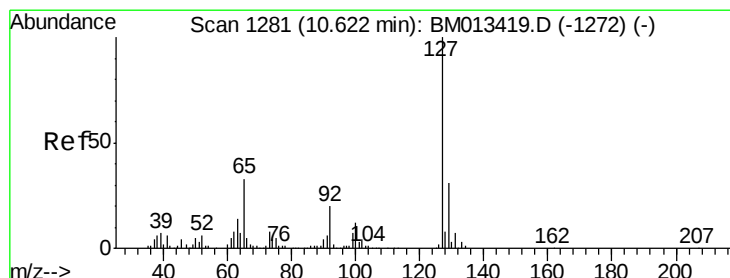
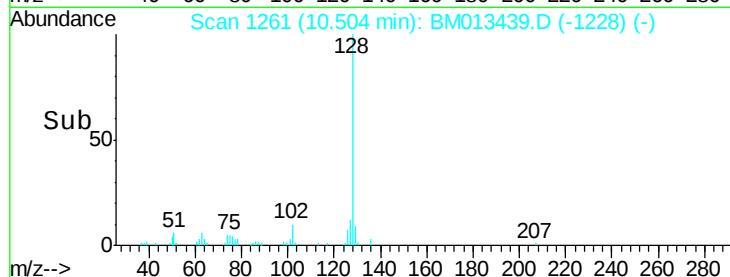
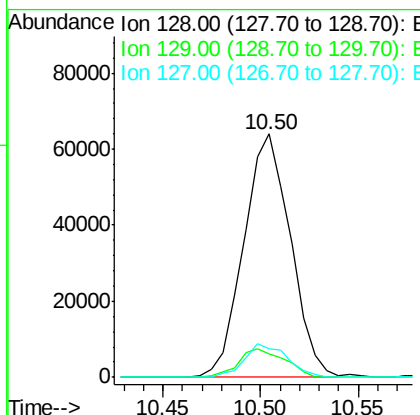
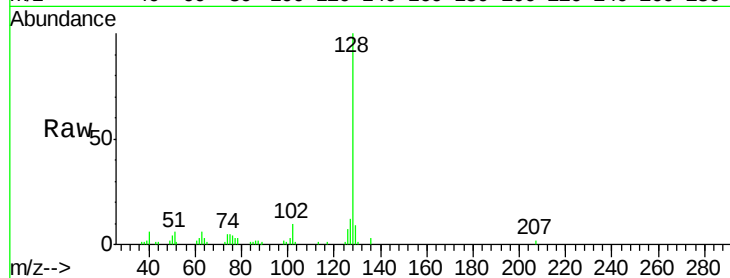




#28
Naphthalene
Concen: 2.583 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM013439.D
Acq: 15 Dec 2017 14:56

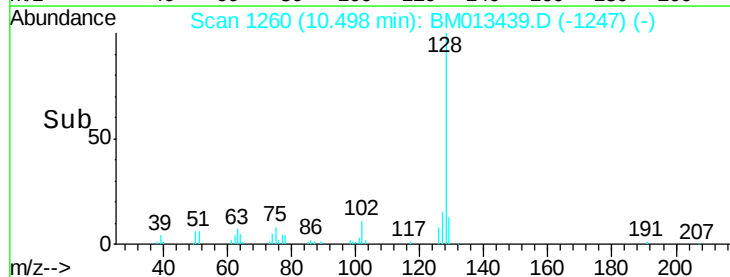
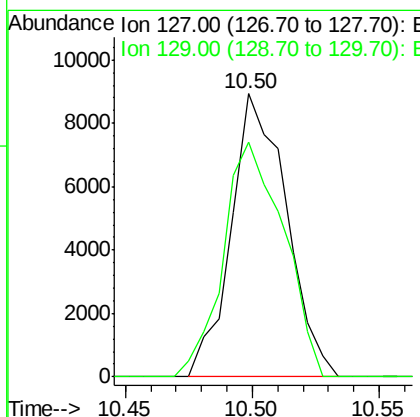
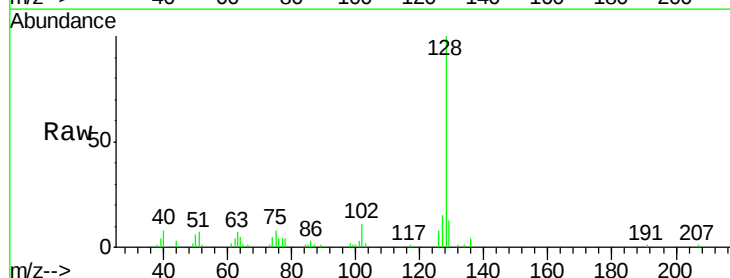
Instrument :
BNA_M
ClientSampleId :
F9A20MEDL

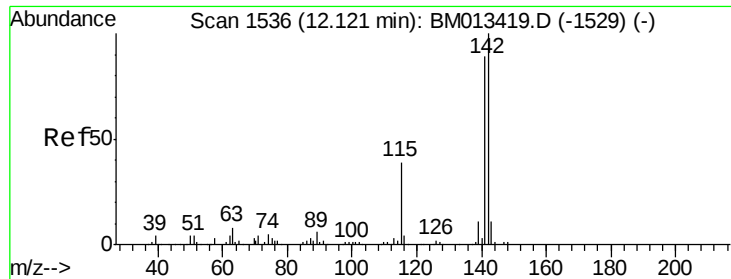
Tgt Ion:128 Resp: 106043
Ion Ratio Lower Upper
128 100
129 9.5 8.8 13.2
127 12.0 10.6 16.0



#30
4-Chloroaniline
Concen: 1.089 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013439.D
Acq: 15 Dec 2017 14:56

Tgt Ion:127 Resp: 13527
Ion Ratio Lower Upper
127 100
129 82.7 28.4 42.6#

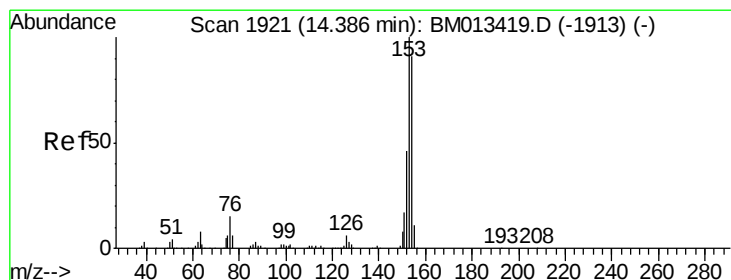
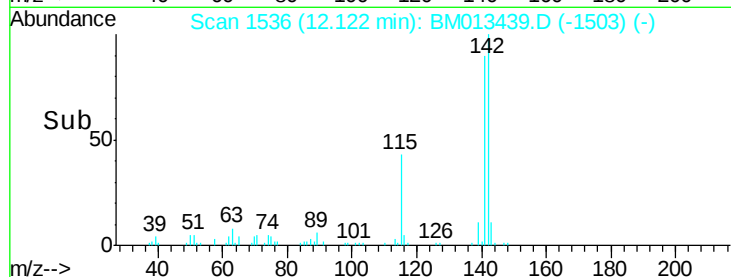
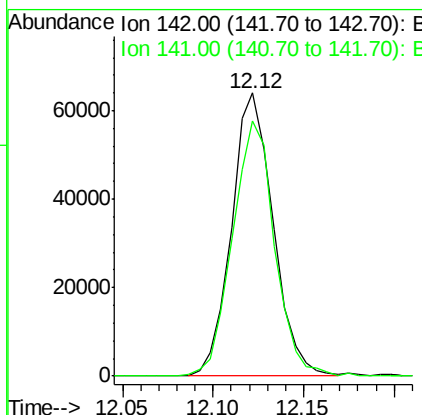
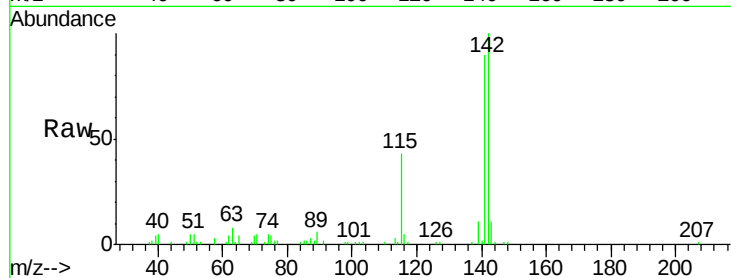




#34
 2-Methylnaphthalene
 Concen: 3.311 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BM013439.D
 Acq: 15 Dec 2017 14:56

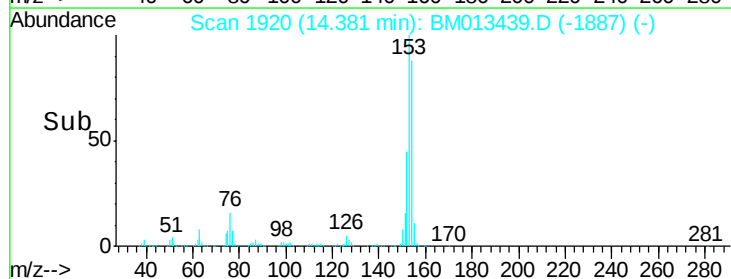
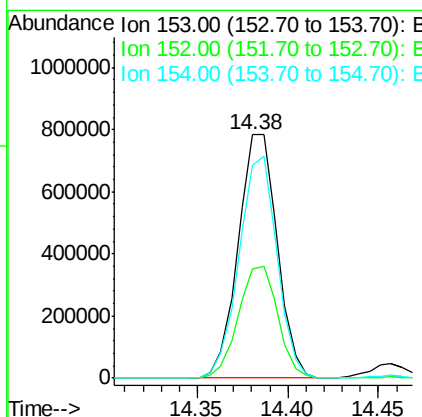
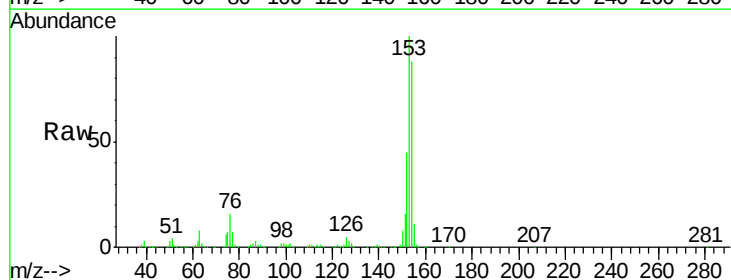
Instrument :
 BNA_M
 ClientSampleId :
 F9A20MEDL

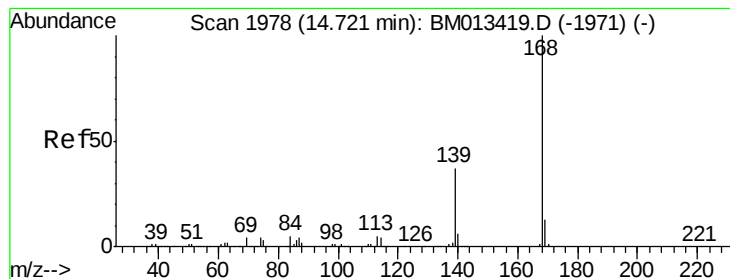
Tgt Ion:142 Resp: 102207
 Ion Ratio Lower Upper
 142 100
 141 90.2 74.1 111.1



#49
 Acenaphthene
 Concen: 34.126 ng/ul
 RT: 14.38 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: BM013439.D
 Acq: 15 Dec 2017 14:56

Tgt Ion:153 Resp: 1175994
 Ion Ratio Lower Upper
 153 100
 152 44.7 37.6 56.4
 154 87.6 70.4 105.6





#53

Dibenzenofuran

Concen: 17.851 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

Instrument :

BNA_M

ClientSampleId :

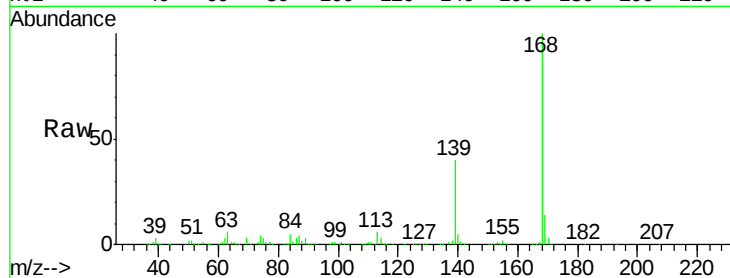
F9A20MEDL

Tgt Ion:168 Resp: 908144

Ion Ratio Lower Upper

168 100

139 39.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.72

600000

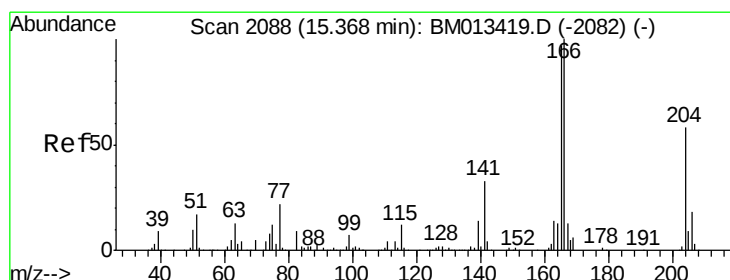
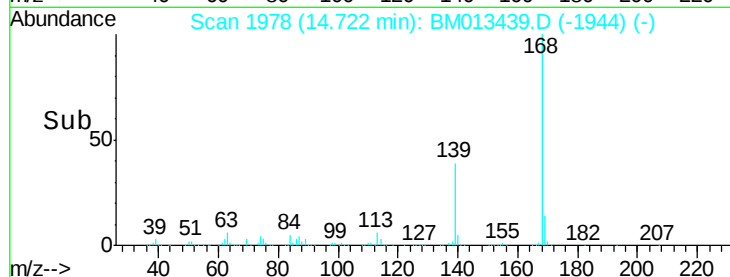
400000

200000

0

Time-->

14.65 14.70 14.75 14.80



#58

Fluorene

Concen: 23.989 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

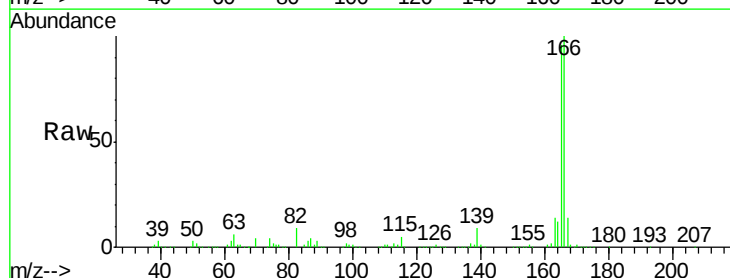
Tgt Ion:166 Resp: 1009568

Ion Ratio Lower Upper

166 100

165 95.8 77.9 116.9

167 13.5 10.6 16.0



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

15.37

1000000

800000

600000

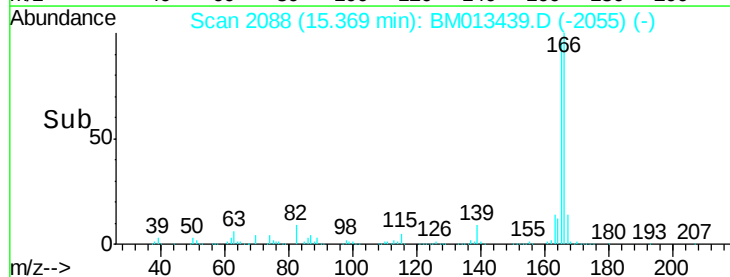
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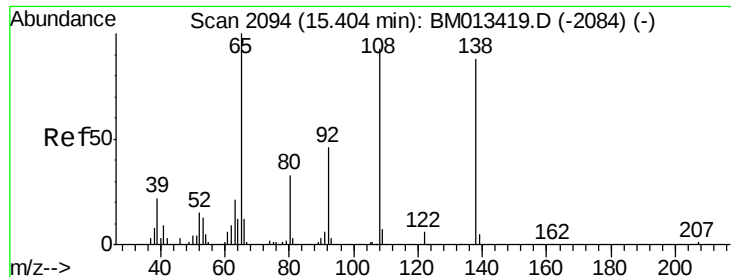
200000

0

Time-->

15.30 15.35 15.40





#60

4-Nitroaniline

Concen: 1.389 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. -0.03 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

Instrument :

BNA_M

ClientSampleId :

F9A20MEDL

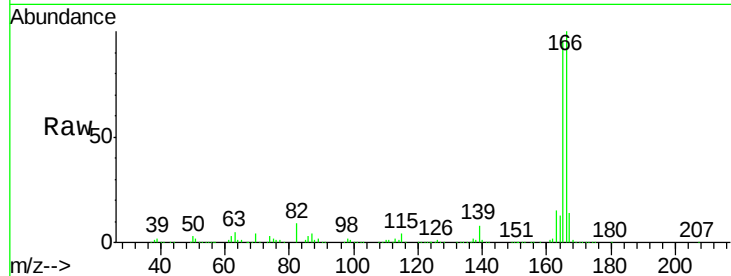
Tgt Ion:138 Resp: 12657

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

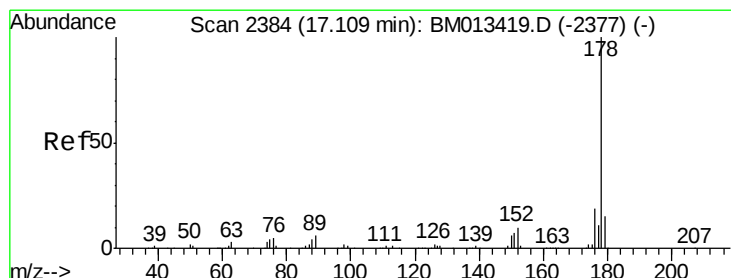
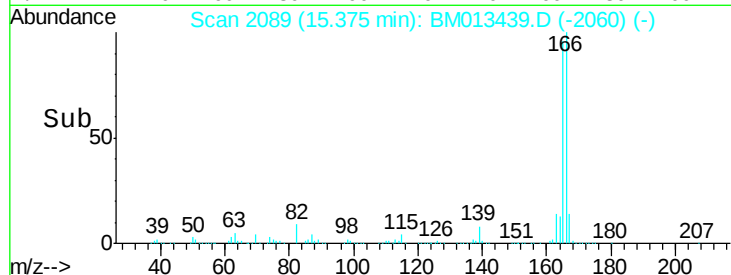
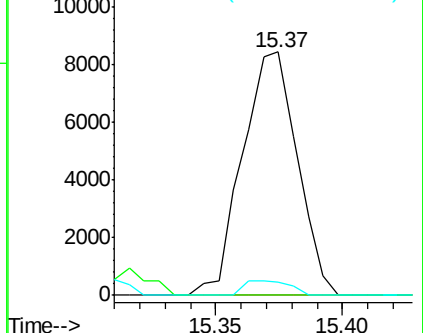
108 5.4 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 93.687 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

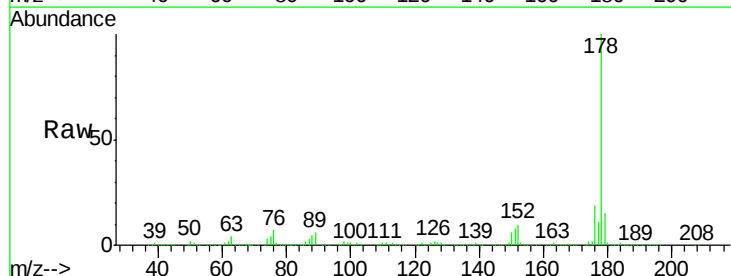
Tgt Ion:178 Resp: 6046505

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

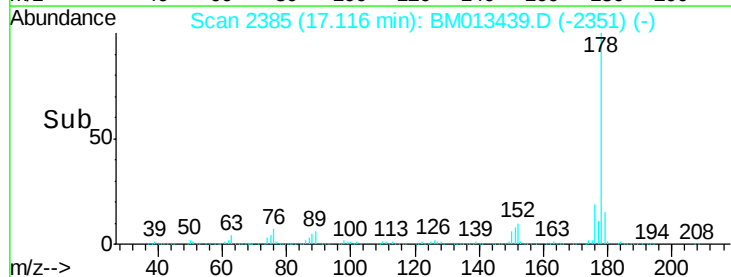
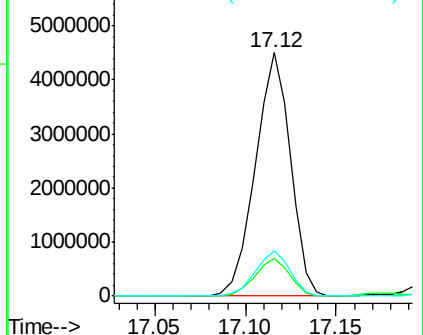
176 18.8 14.9 22.3

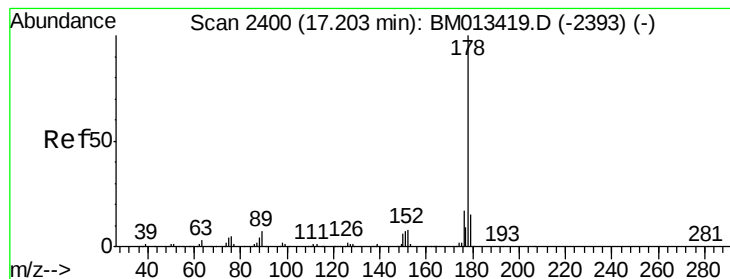


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 6.281 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

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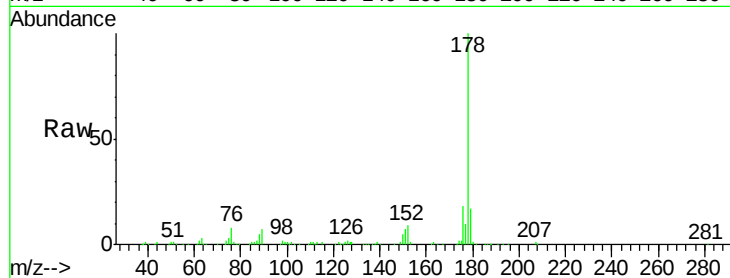
Tgt Ion:178 Resp: 414337

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

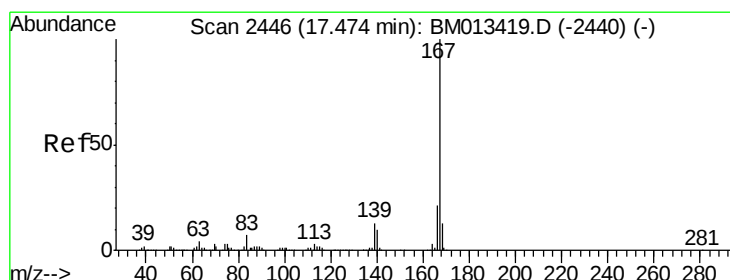
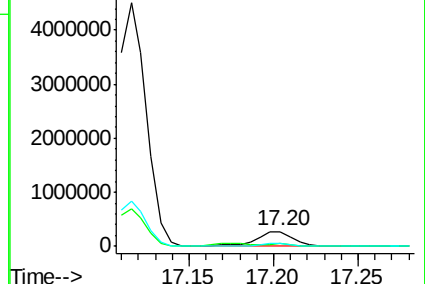
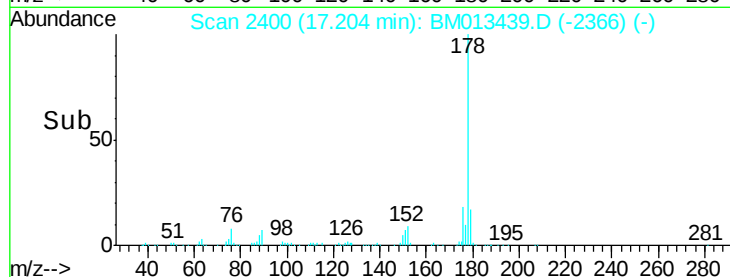
176 18.3 14.6 21.8



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: 3.751 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

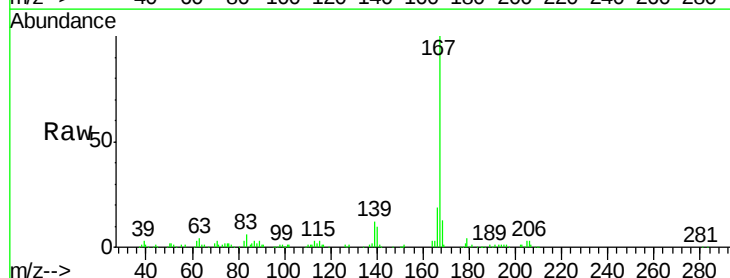
Tgt Ion:167 Resp: 212857

Ion Ratio Lower Upper

167 100

166 19.0 17.1 25.7

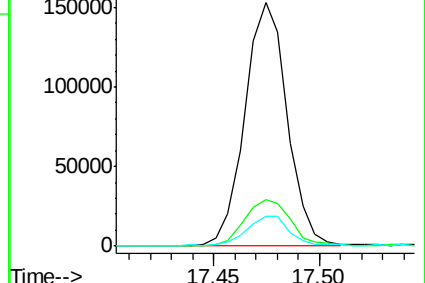
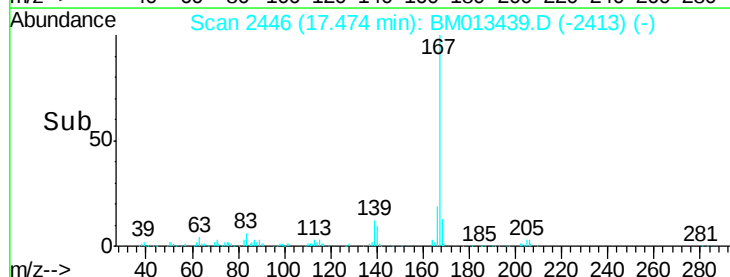
139 12.3 10.0 15.0

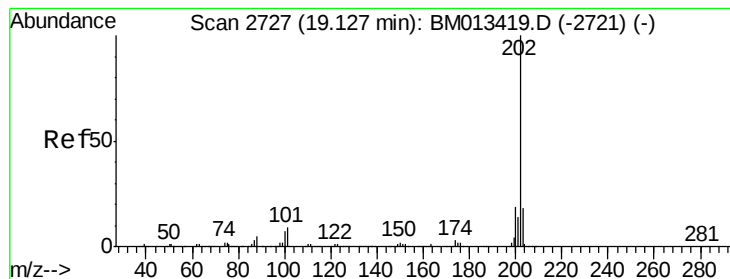


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 47.977 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.00 min

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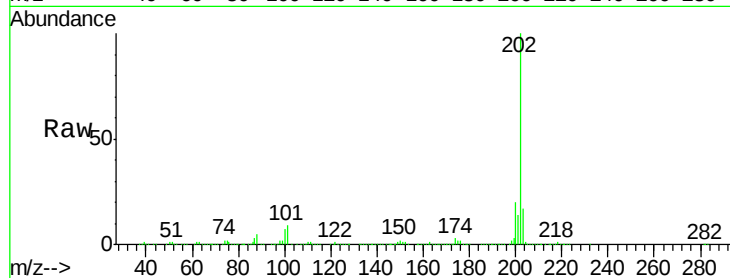
Tgt Ion:202 Resp: 3794539

Ion Ratio Lower Upper

202 100

101 8.5 4.6 7.0#

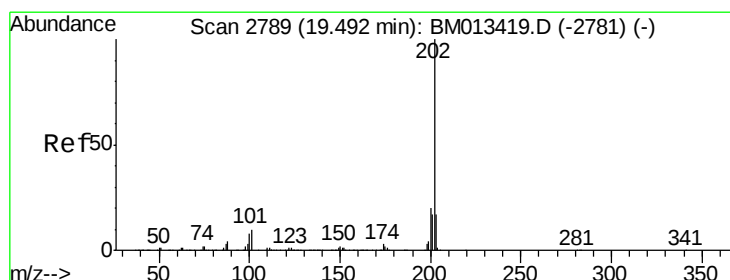
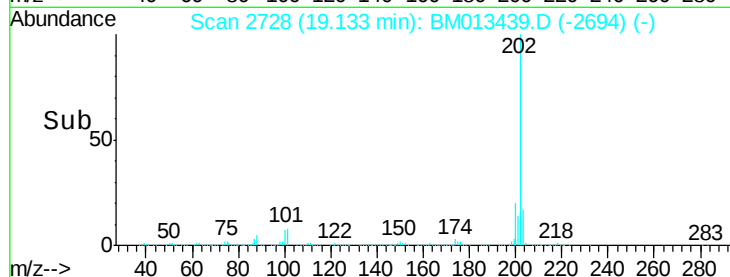
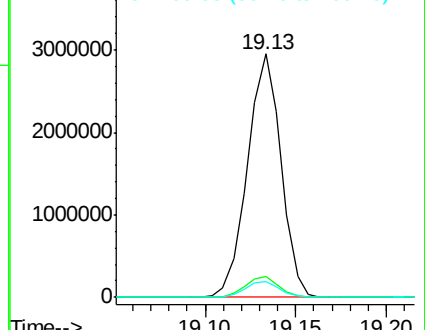
100 6.5 3.4 5.2#



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: 32.805 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

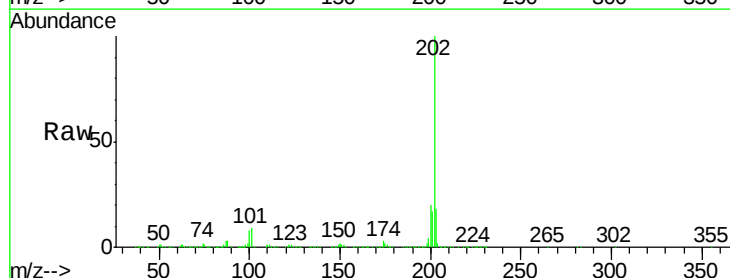
Tgt Ion:202 Resp: 2524080

Ion Ratio Lower Upper

202 100

101 9.0 5.1 7.7#

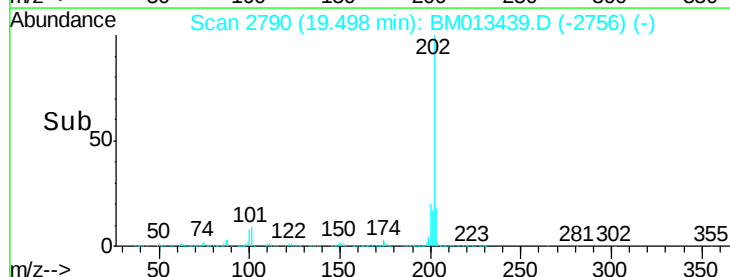
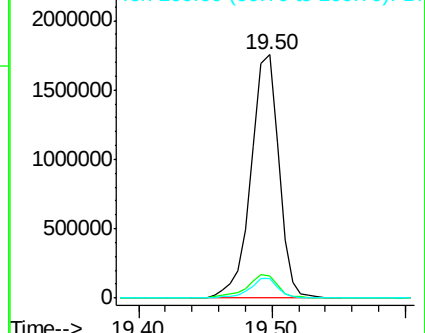
100 8.1 4.9 7.3#

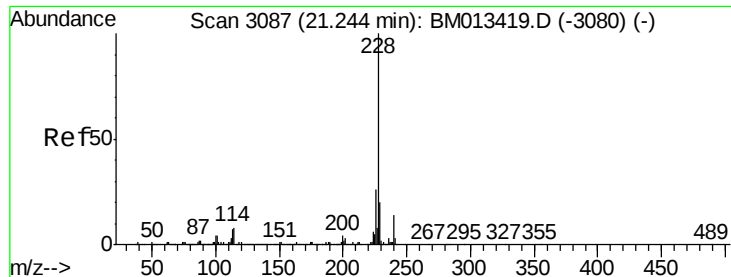


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.928 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.00 min

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Acq: 15 Dec 2017 14:56

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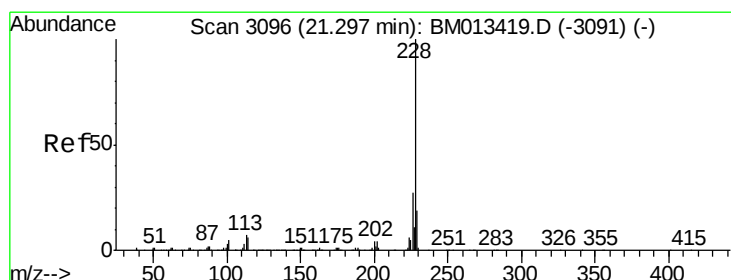
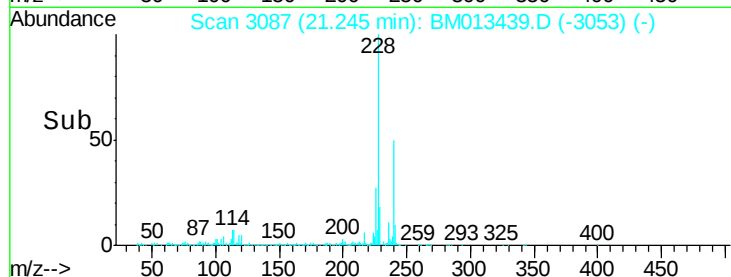
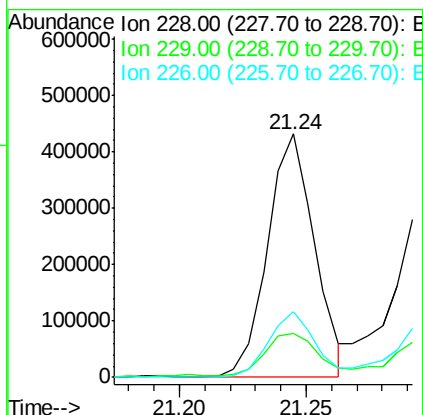
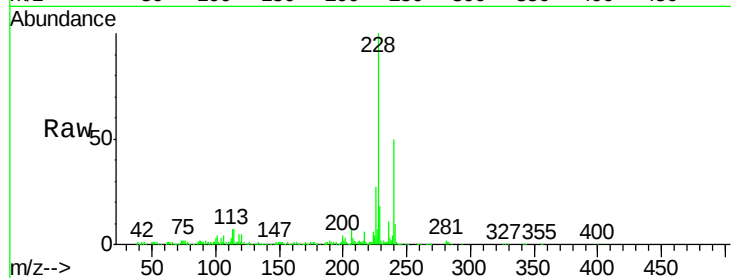
Tgt Ion:228 Resp: 556671

Ion Ratio Lower Upper

228 100

229 18.1 15.4 23.0

226 26.8 21.4 32.0



#82

Chrysene

Concen: 5.762 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

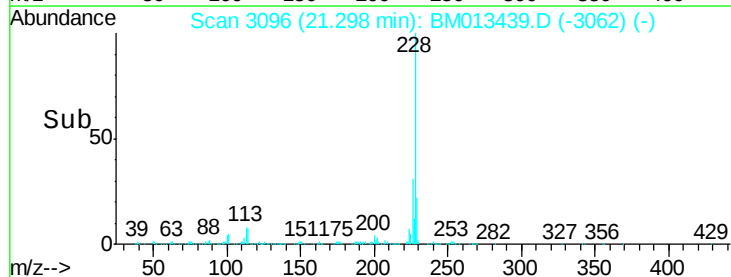
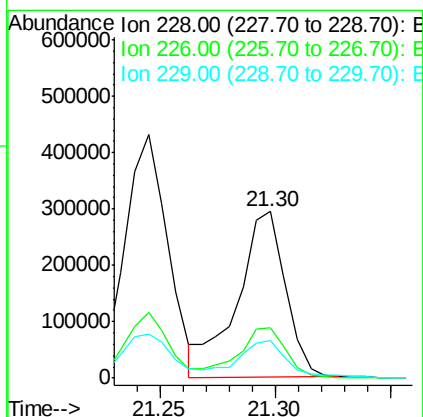
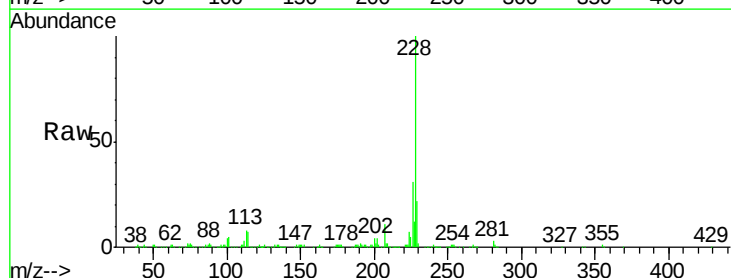
Tgt Ion:228 Resp: 429561

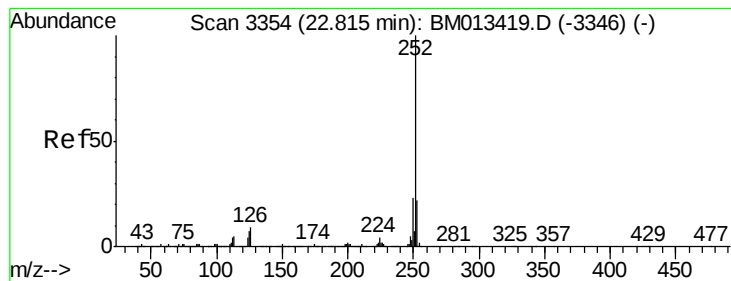
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.2 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 3.553 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

Instrument :

BNA_M

ClientSampleId :

F9A20MEDL

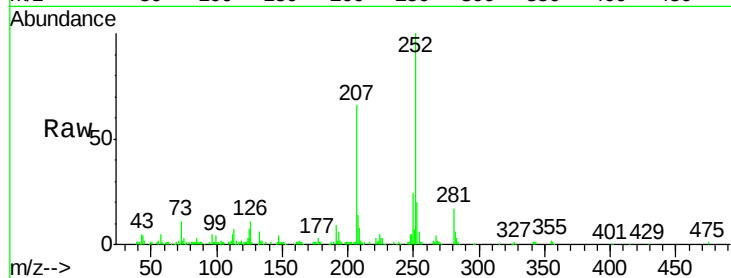
Tgt Ion:252 Resp: 246749

Ion Ratio Lower Upper

252 100

253 20.2 17.9 26.9

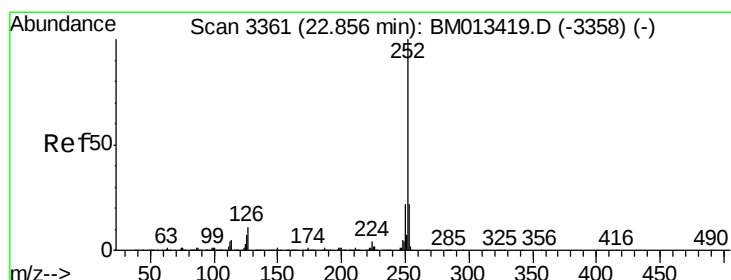
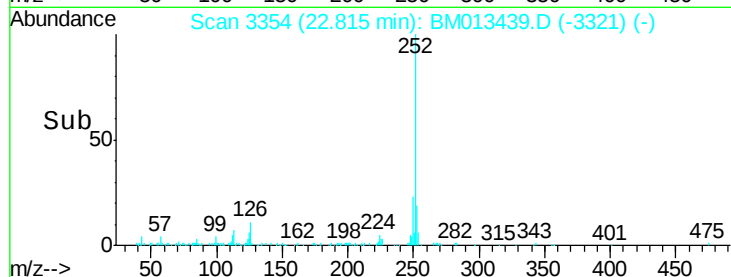
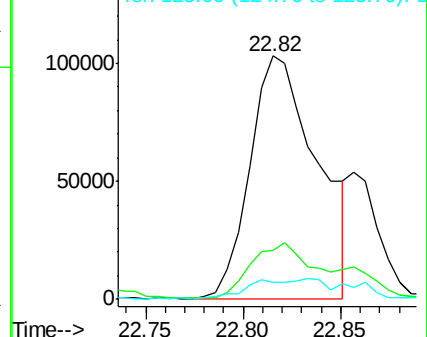
125 7.1 3.6 5.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 3.775 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.05 min

Lab File: BM013439.D

Acq: 15 Dec 2017 14:56

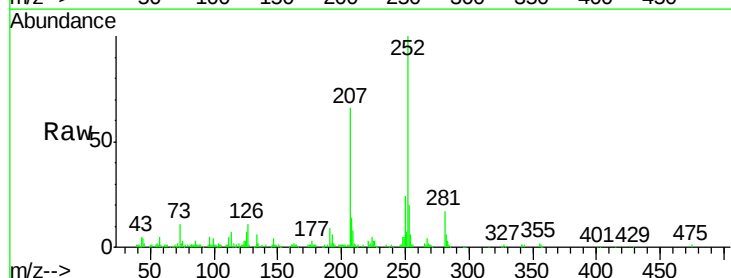
Tgt Ion:252 Resp: 246749

Ion Ratio Lower Upper

252 100

253 20.2 17.1 25.7

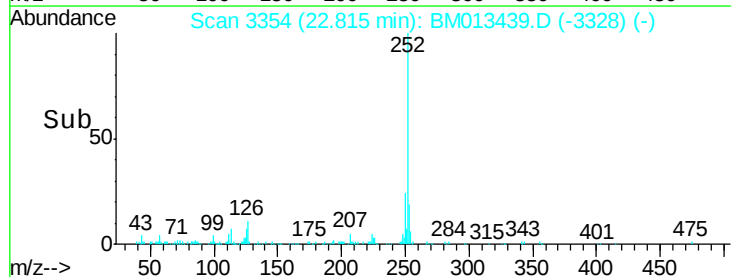
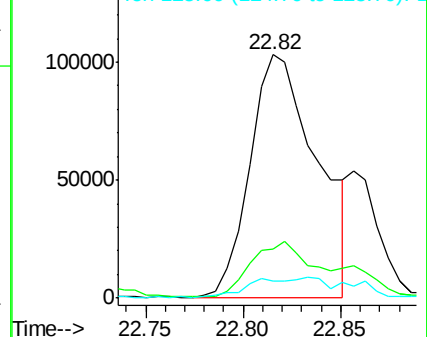
125 7.1 3.4 5.2#

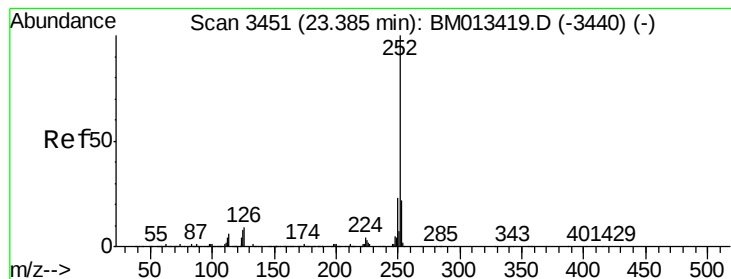


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.711 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM013439.D

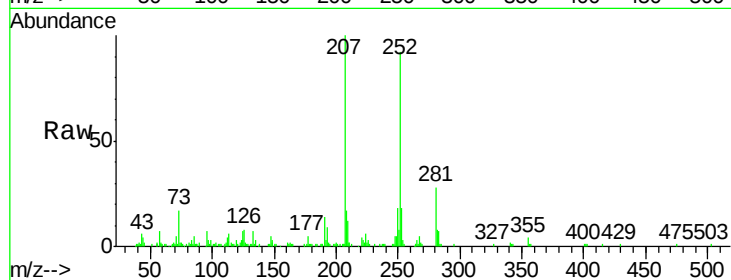
Acq: 15 Dec 2017 14:56

Instrument :

BNA_M

ClientSampleId :

F9A20MEDL



Tgt Ion:	252	Resp:	106761
Ion	Ratio	Lower	Upper
252	100		
253	19.3	18.2	27.2
125	7.1	4.0	6.0

