

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121117\
 Data File : BM013329.D
 Acq On : 12 Dec 2017 06:06
 Operator : SJ/JU
 Sample : I6758-12 30X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B13

Quant Time: Dec 12 10:28:49 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	247751	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1057299	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	607482	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1277991	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1053031	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	892444	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	772	0.15	ng/uL	0.00
5) Phenol-d5	6.87	99	15286	0.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	8732	0.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	12120	0.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	11868	0.65	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	3948	0.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	6896	0.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	13018	0.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1773	0.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	42255	0.78	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	52427	0.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	2661	0.28	ng/ul	0.02
57) Fluorene-d10	15.32	176	35734	0.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	4094	0.51	ng/ul	0.00
70) Anthracene-d10	17.17	188	57521	0.90	ng/ul	0.00
76) Pyrene-d10	19.47	212	54145	1.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	33339	0.73	ng/ul	0.01

Target Compounds

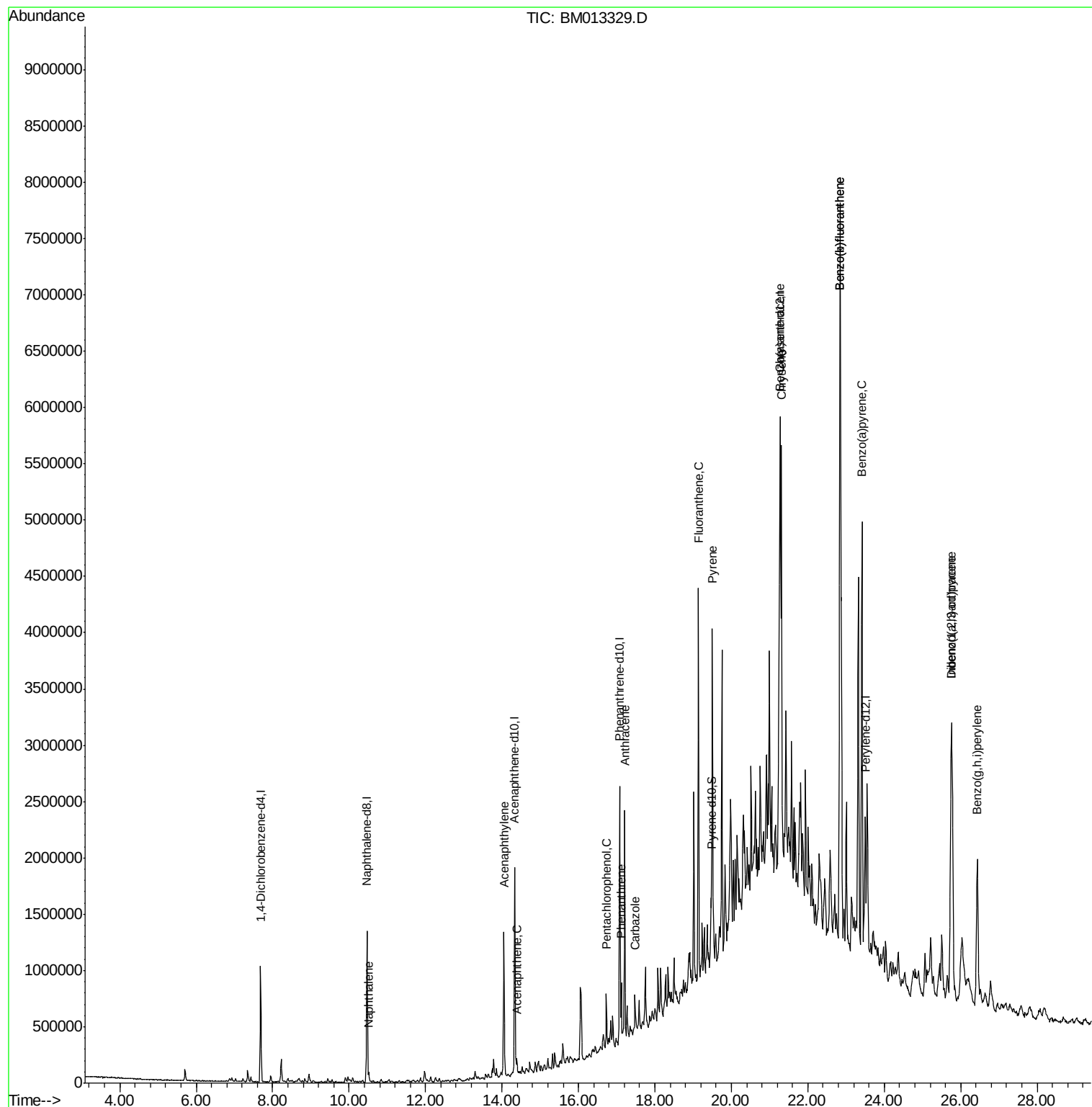
					Qvalue	
28) Naphthalene	10.52	128	57484	1.057	ng/ul#	94
47) Acenaphthylene	14.05	152	933589	15.123	ng/ul	98
49) Acenaphthene	14.40	153	57482	1.367	ng/ul	94
68) Pentachlorophenol	16.73	266	45687	4.768	ng/ul	93
69) Phenanthrene	17.12	178	308600	4.250	ng/ul	99
71) Anthracene	17.21	178	1215729	16.381	ng/ul	98
72) Carbazole	17.49	167	164082	2.570	ng/ul	96
74) Fluoranthene	19.14	202	2071471	23.281	ng/ul#	94
77) Pyrene	19.50	202	1688578	26.395	ng/ul#	93
80) Benzo(a)anthracene	21.26	228	1607634	24.062	ng/ul	91
82) Chrysene	21.31	228	2563123	41.351	ng/ul	97
85) Benzo(b)fluoranthene	22.84	252	5819584	96.734	ng/ul#	98
86) Benzo(k)fluoranthene	22.84	252	5819584	102.791	ng/ul#	96
88) Benzo(a)pyrene	23.42	252	2673884	49.477	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.75	276	1972265	36.781	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.75	278	587805	12.874	ng/ul#	87
91) Benzo(g,h,i)perylene	26.43	276	1614580	38.173	ng/ul#	94

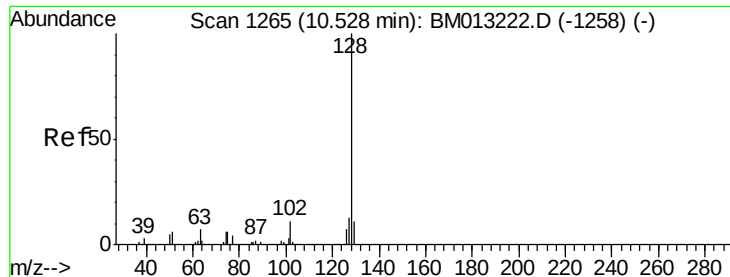
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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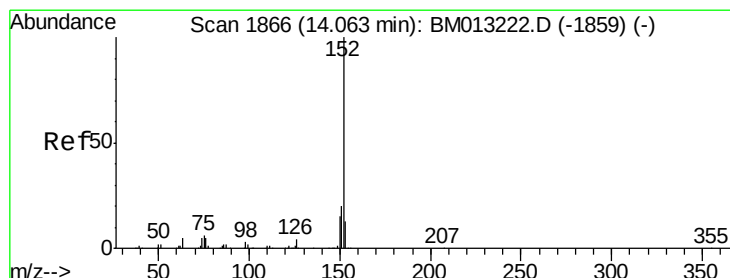
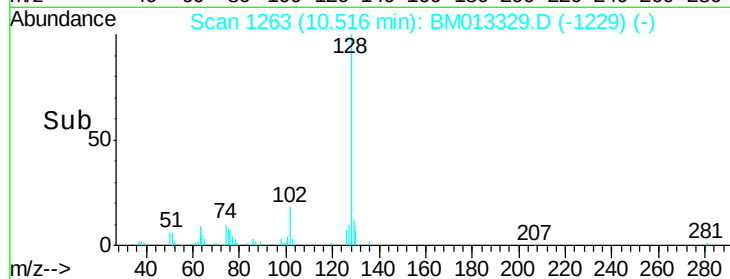
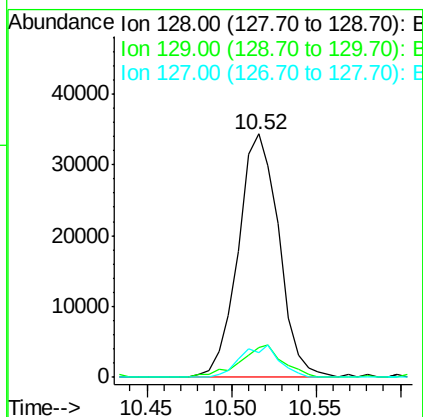
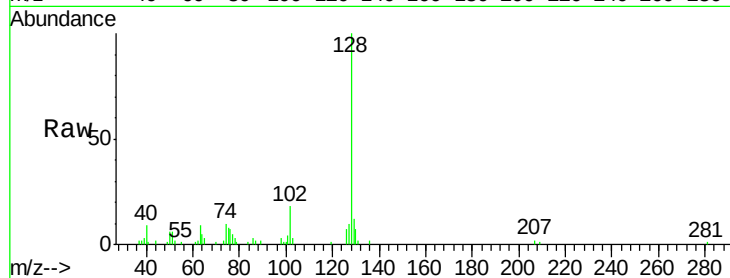




#28
Naphthalene
Concen: 1.057 ng/ul
RT: 10.52 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BM013329.D
Acq: 12 Dec 2017 06:06

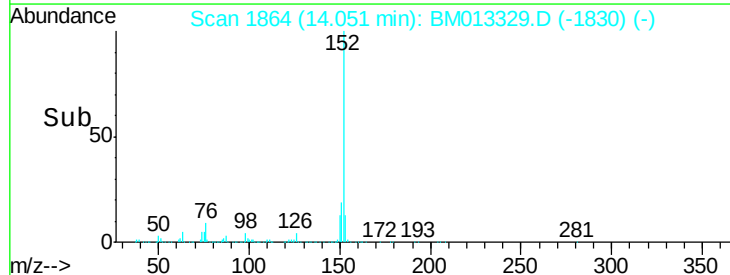
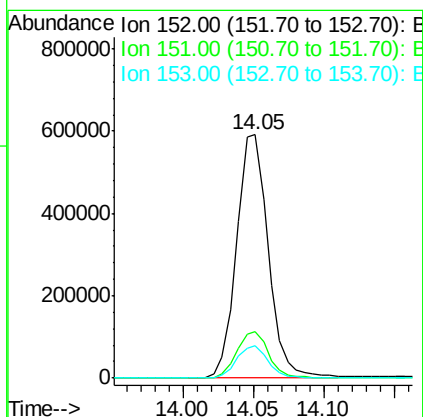
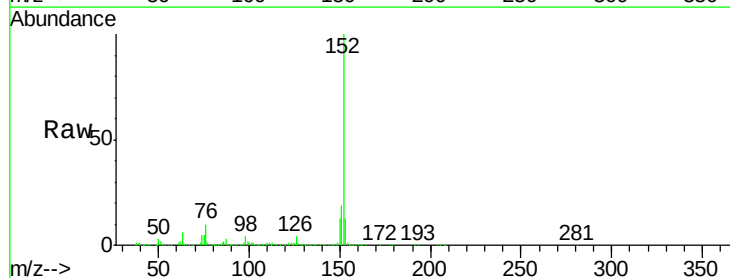
Instrument :
BNA_M
ClientSampleId :
F9B13

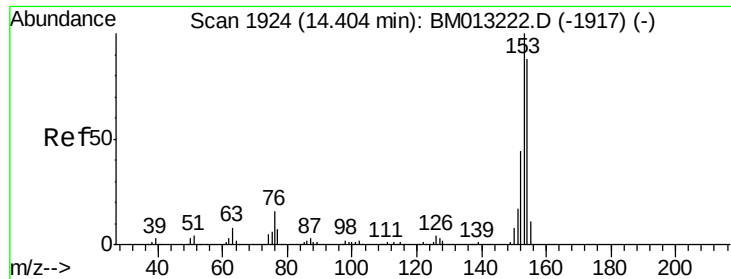
Tgt Ion:128 Resp: 57484
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 10.1 10.6 16.0#



#47
Acenaphthylene
Concen: 15.123 ng/ul
RT: 14.05 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BM013329.D
Acq: 12 Dec 2017 06:06

Tgt Ion:152 Resp: 933589
Ion Ratio Lower Upper
152 100
151 19.0 16.3 24.5
153 13.3 10.2 15.4





#49

Acenaphthene

Concen: 1.367 ng/ul

RT: 14.40 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

Instrument :

BNA_M

ClientSampleId :

F9B13

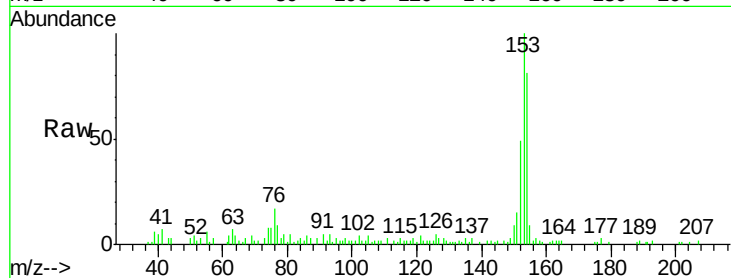
Tgt Ion:153 Resp: 57482

Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

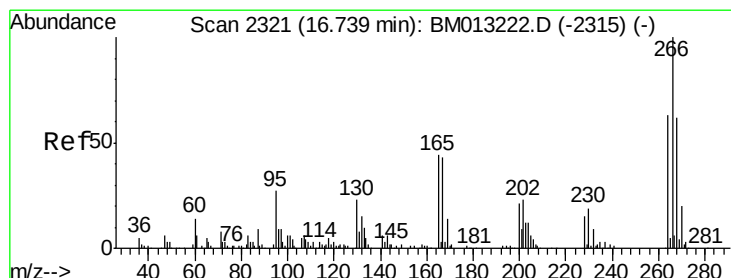
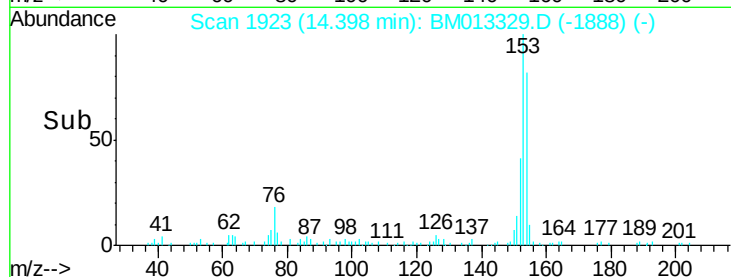
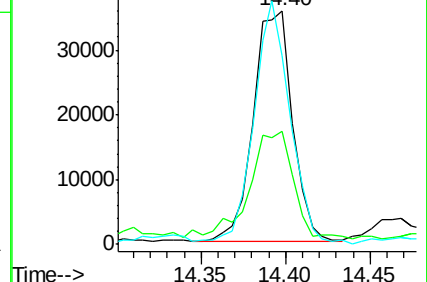
154 80.8 70.4 105.6



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



#68

Pentachlorophenol

Concen: 4.768 ng/ul

RT: 16.73 min Scan# 2320

Delta R.T. -0.00 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

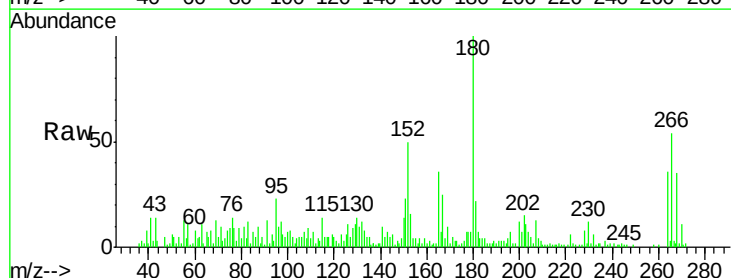
Tgt Ion:266 Resp: 45687

Ion Ratio Lower Upper

266 100

264 67.8 49.3 73.9

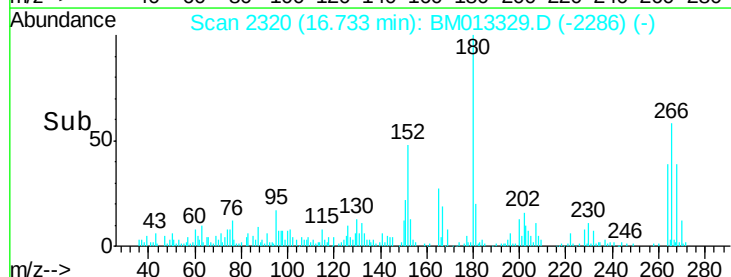
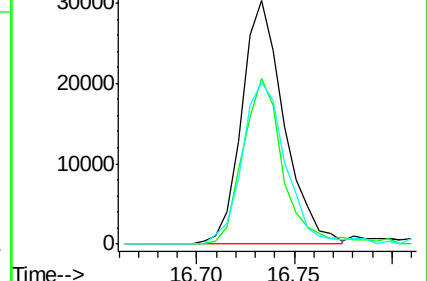
268 69.8 52.6 78.8

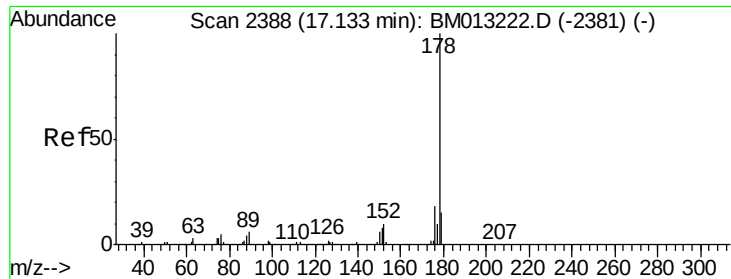


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 4.250 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

Instrument :

BNA_M

ClientSampleId :

F9B13

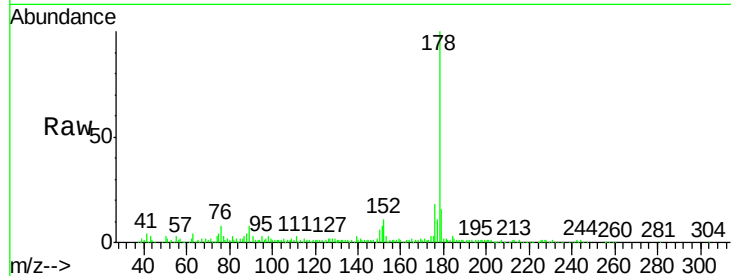
Tgt Ion:178 Resp: 308600

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

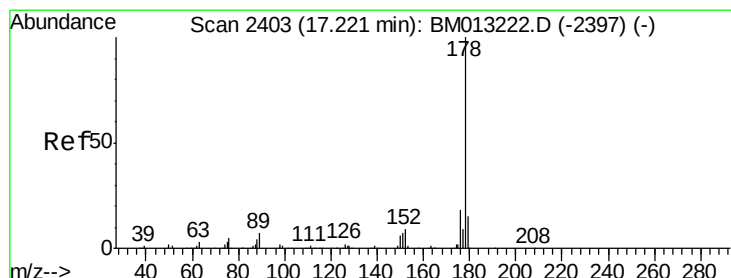
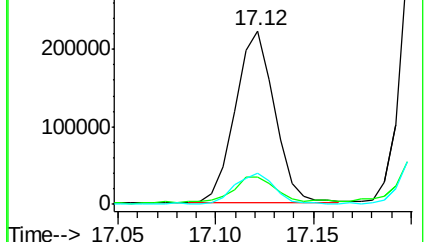
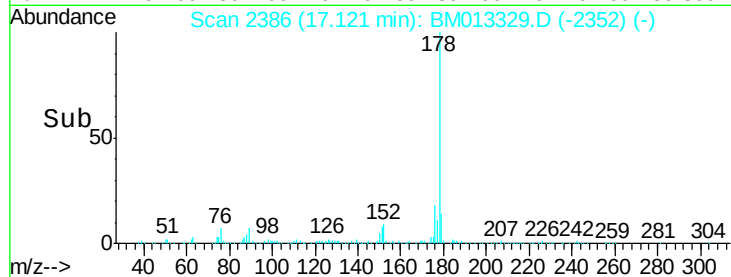
176 18.1 14.9 22.3



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: 16.381 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

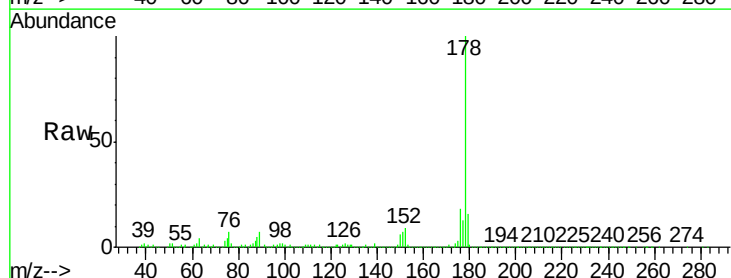
Tgt Ion:178 Resp: 1215729

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

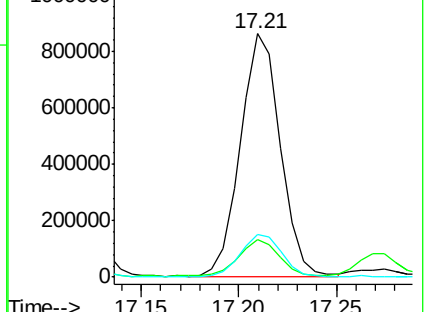
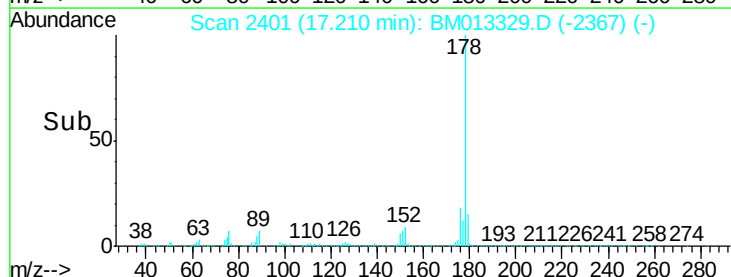
176 17.7 14.6 21.8

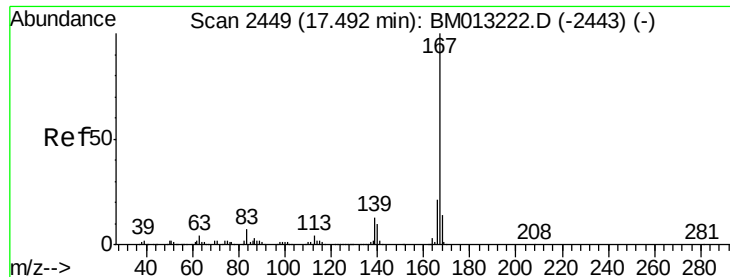


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

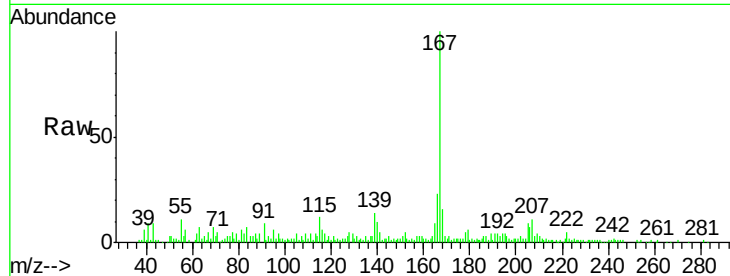




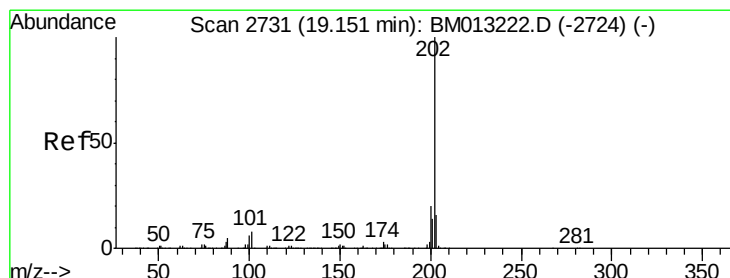
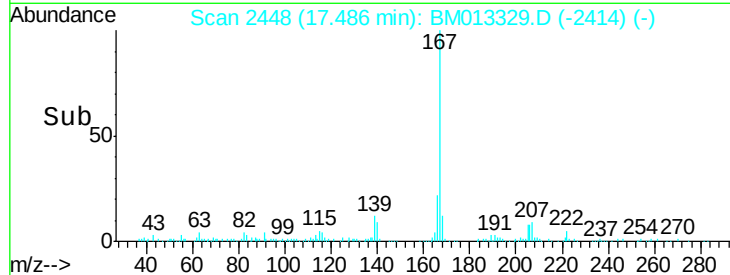
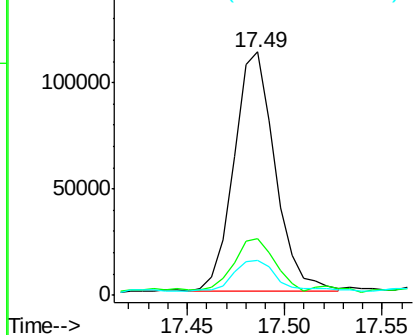
#72
 Carbazole
 Concen: 2.570 ng/ul
 RT: 17.49 min Scan# 2448
 Delta R.T. -0.00 min
 Lab File: BM013329.D
 Acq: 12 Dec 2017 06:06

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Tgt Ion:167 Resp: 164082
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.1 25.7
 139 14.3 10.0 15.0

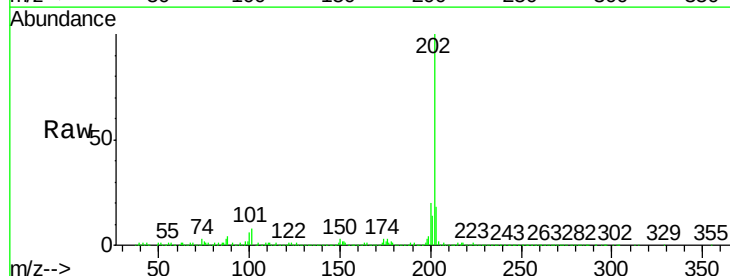


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

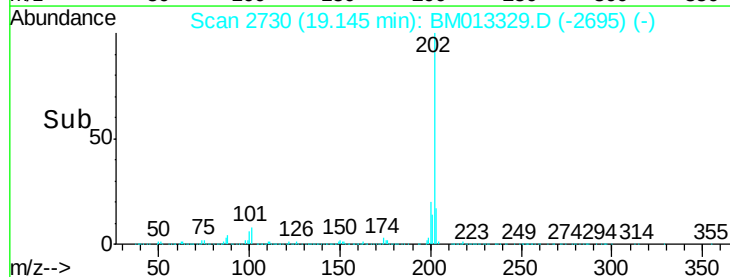
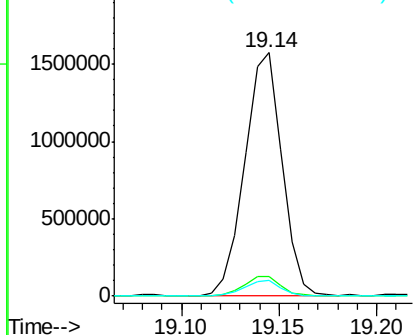


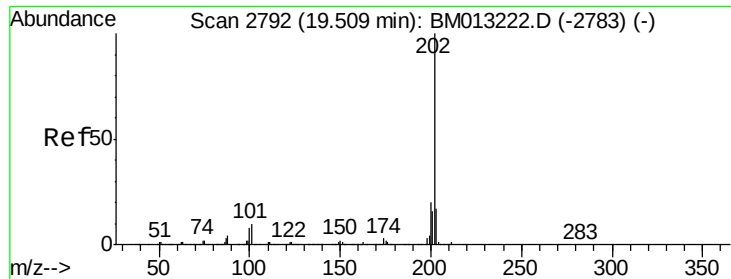
#74
 Fluoranthene
 Concen: 23.281 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM013329.D
 Acq: 12 Dec 2017 06:06

Tgt Ion:202 Resp: 2071471
 Ion Ratio Lower Upper
 202 100
 101 7.8 4.6 7.0#
 100 6.3 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

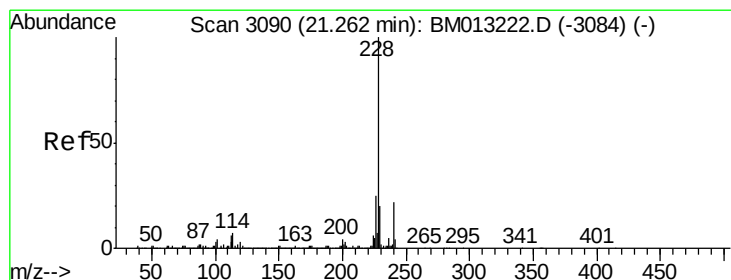
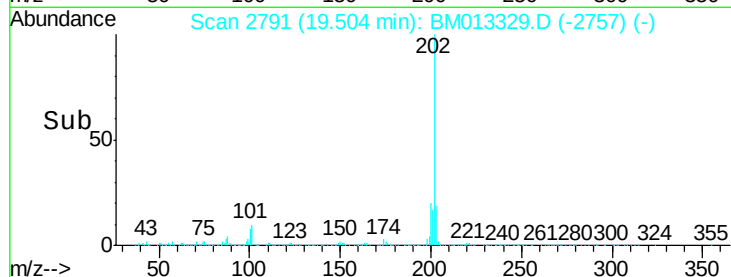
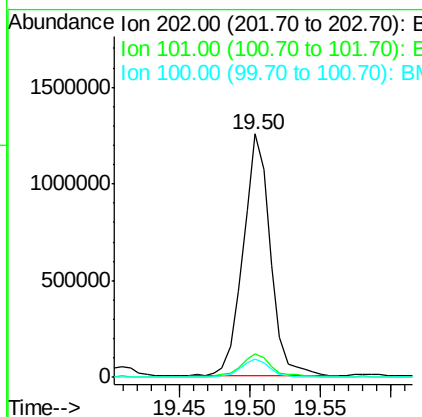
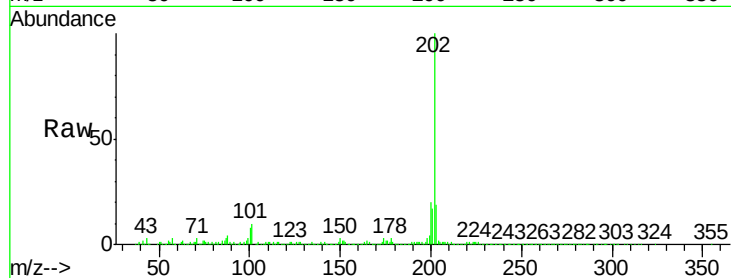




#77
 Pyrene
 Concen: 26.395 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: BM013329.D
 Acq: 12 Dec 2017 06:06

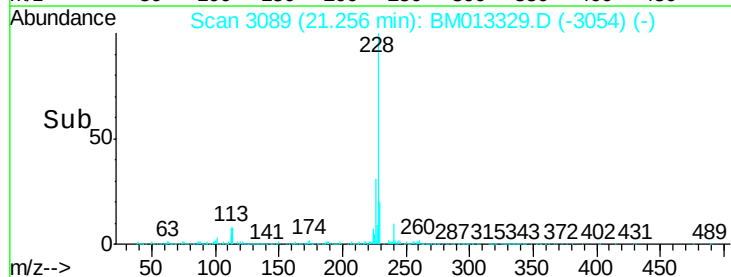
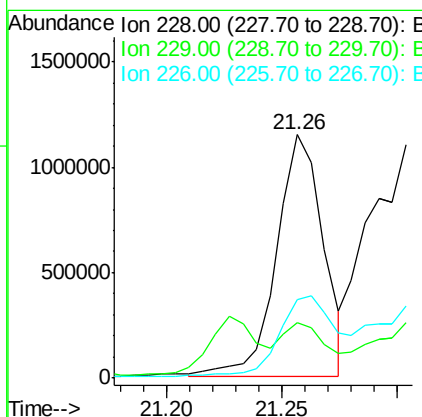
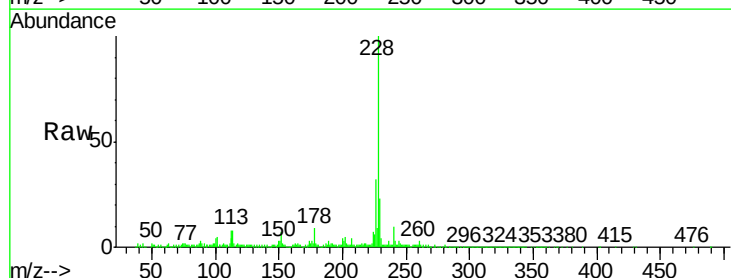
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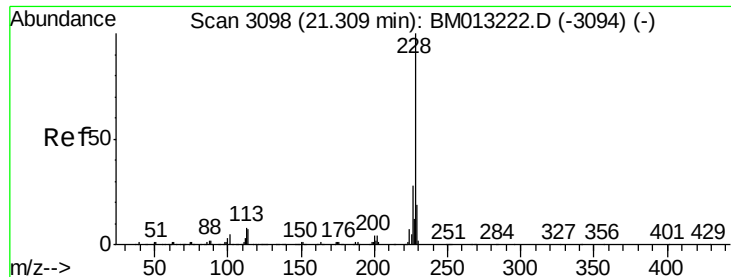
Tgt Ion:202 Resp: 1688578
 Ion Ratio Lower Upper
 202 100
 101 9.8 5.1 7.7#
 100 7.6 4.9 7.3#



#80
 Benzo(a)anthracene
 Concen: 24.062 ng/ul
 RT: 21.26 min Scan# 3089
 Delta R.T. 0.01 min
 Lab File: BM013329.D
 Acq: 12 Dec 2017 06:06

Tgt Ion:228 Resp: 1607634
 Ion Ratio Lower Upper
 228 100
 229 22.6 15.4 23.0
 226 32.0 21.4 32.0





#82

Chrysene

Concen: 41.351 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

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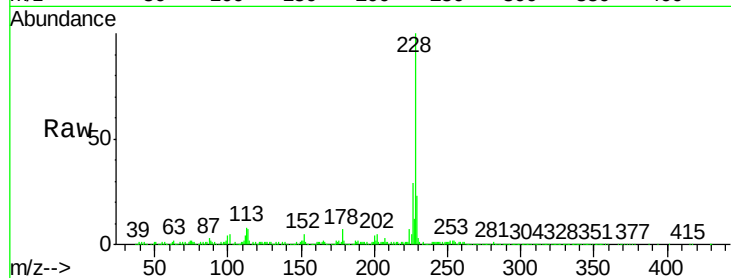
Tgt Ion:228 Resp: 2563123

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

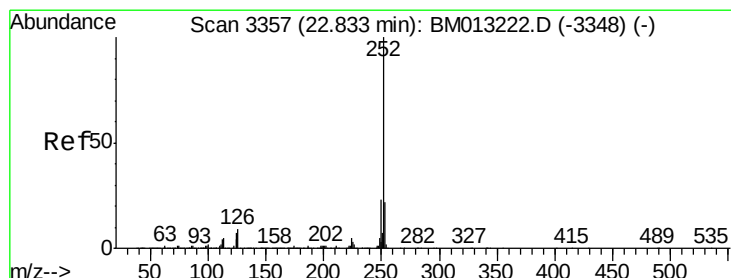
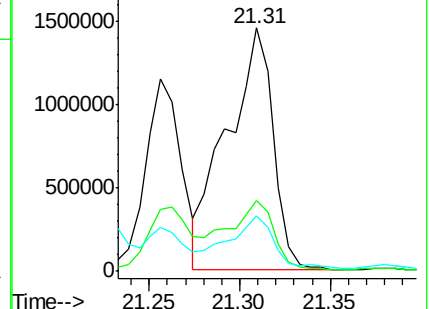
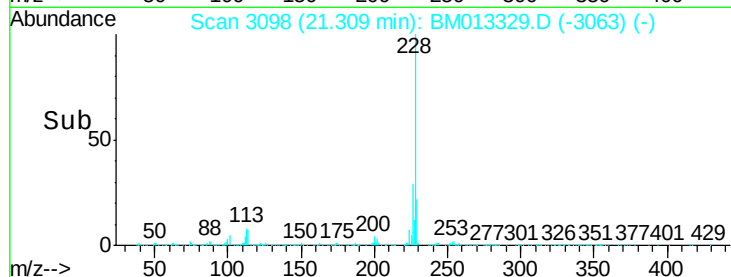
229 23.0 15.5 23.3



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: 96.734 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.02 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

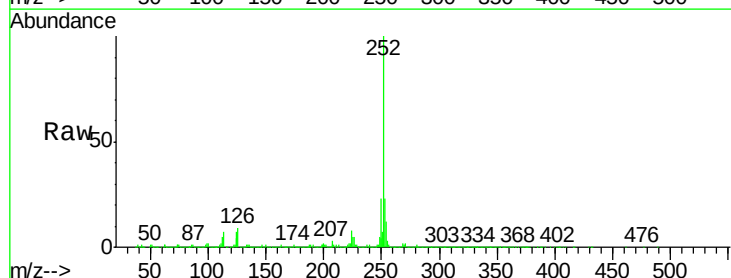
Tgt Ion:252 Resp: 5819584

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

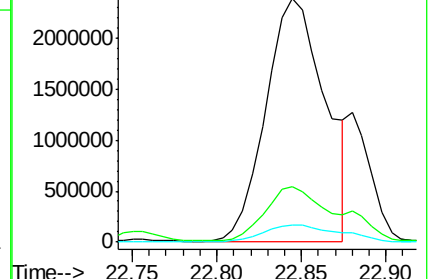
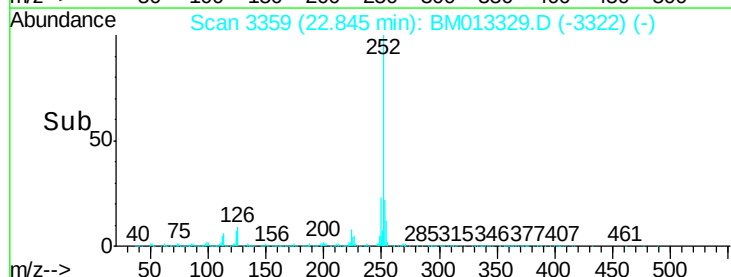
125 7.2 3.6 5.4#

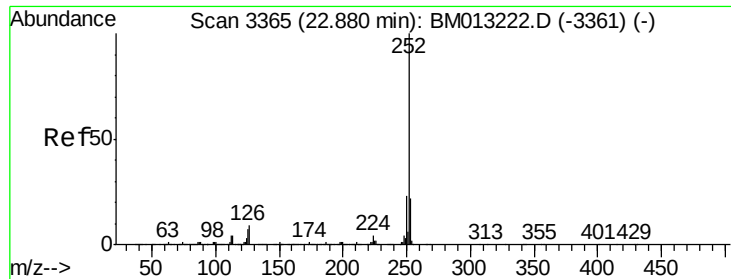


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 102.791 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. -0.02 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

Instrument :

BNA_M

ClientSampleId :

F9B13

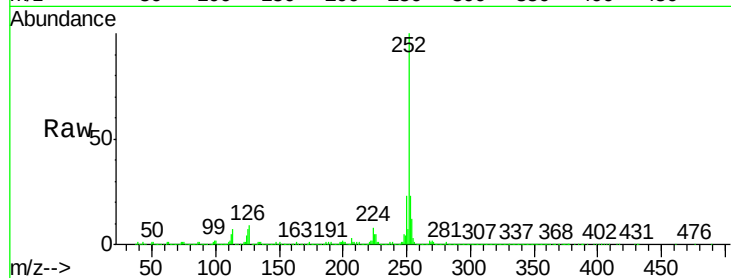
Tgt Ion:252 Resp: 5819584

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

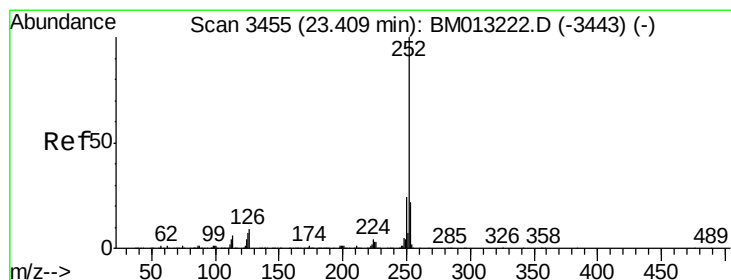
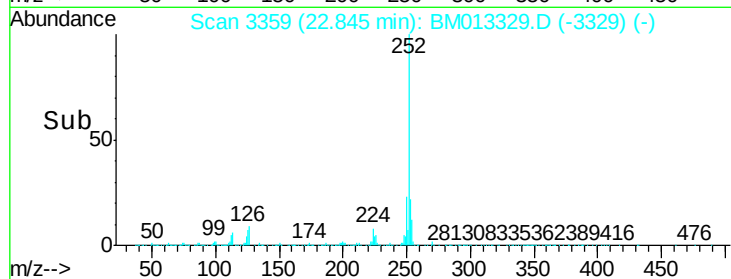
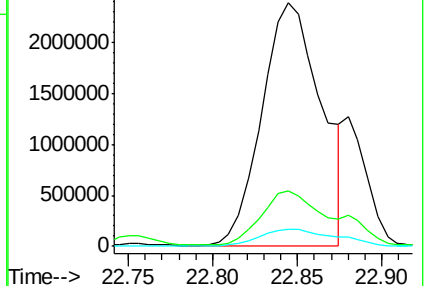
125 7.2 3.4 5.2#



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: 49.477 ng/ul

RT: 23.42 min Scan# 3456

Delta R.T. 0.02 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

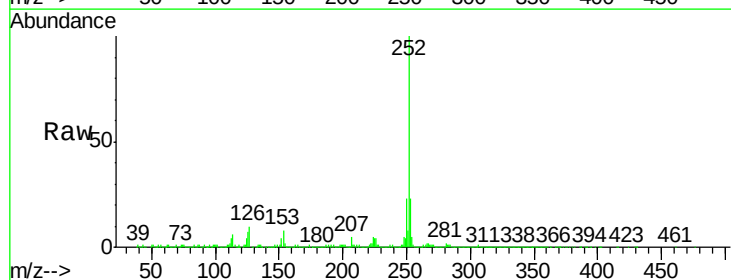
Tgt Ion:252 Resp: 2673884

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

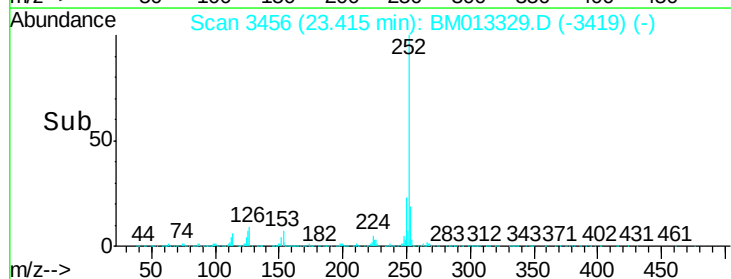
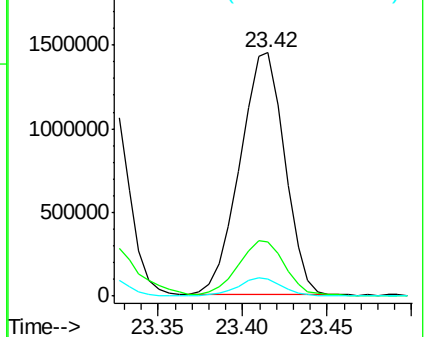
125 7.1 4.0 6.0#

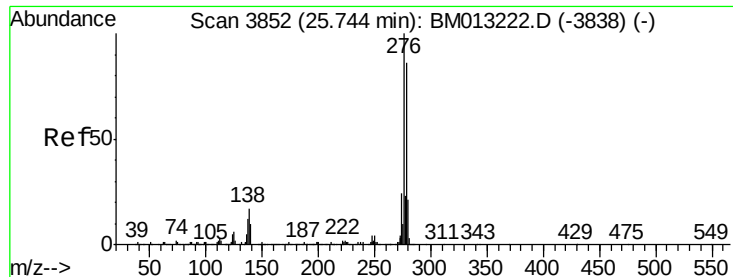


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



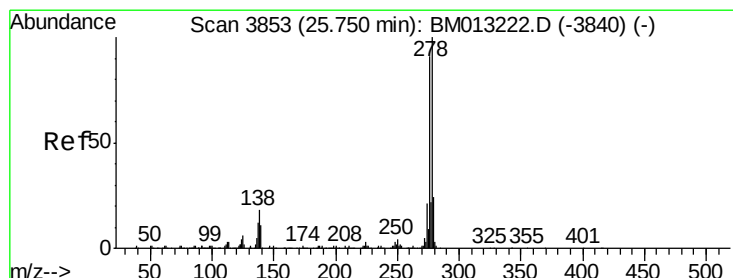
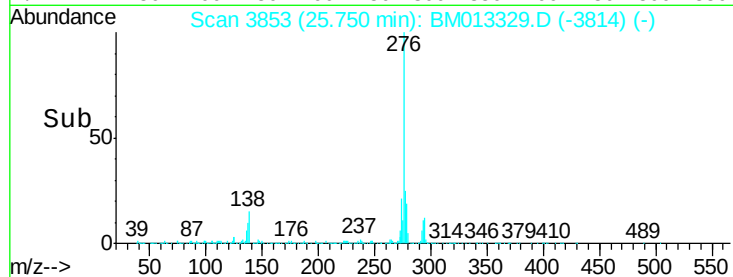
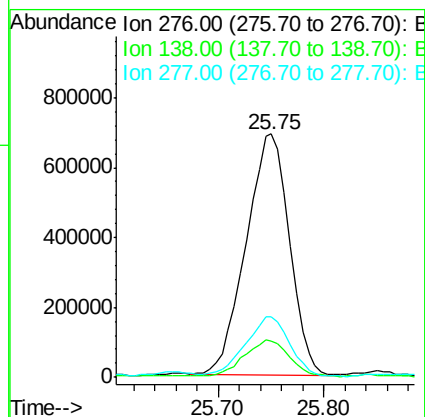
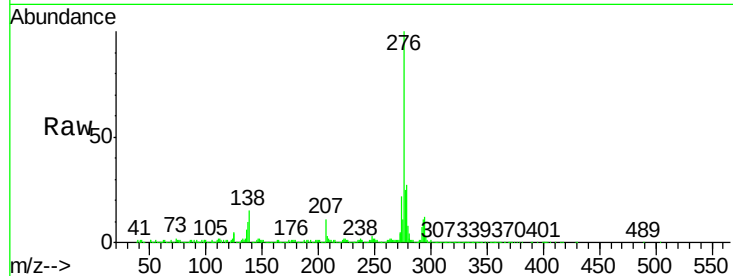


#89

Indeno(1,2,3-cd)pyrene
Concen: 36.781 ng/ul
RT: 25.75 min Scan# 3853
Delta R.T. 0.03 min
Lab File: BM013329.D
Acq: 12 Dec 2017 06:06

Instrument :
BNA_M
ClientSampleId :
F9B13

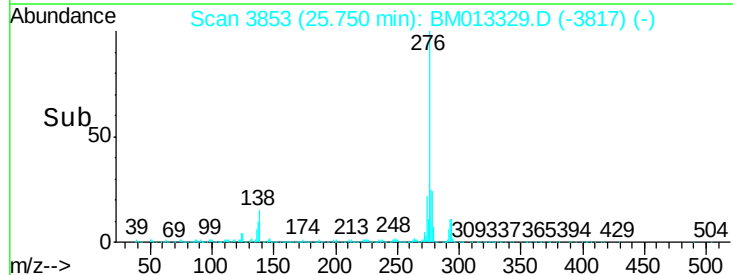
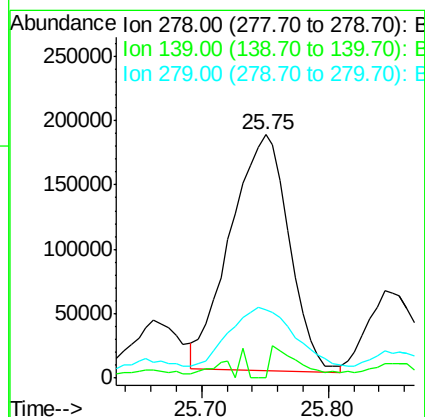
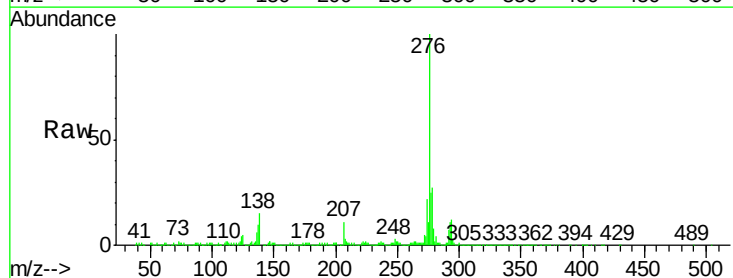
Tgt Ion:276 Resp: 1972265
Ion Ratio Lower Upper
276 100
138 14.9 9.3 13.9#
277 25.1 19.9 29.9

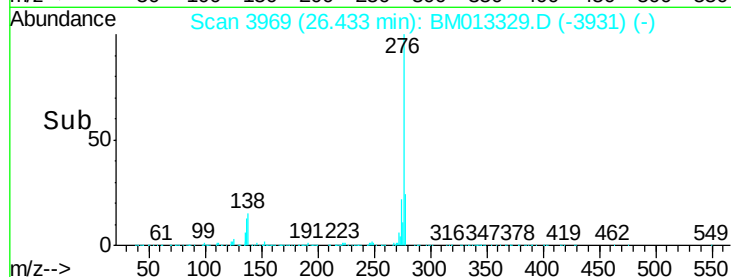
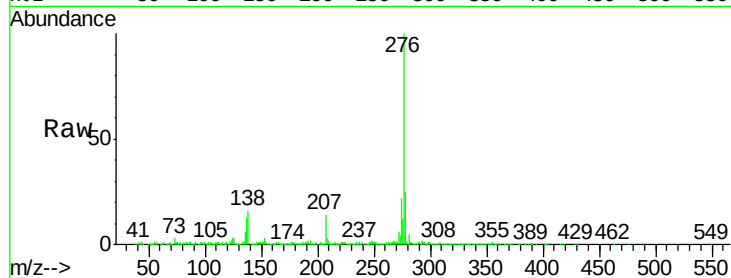
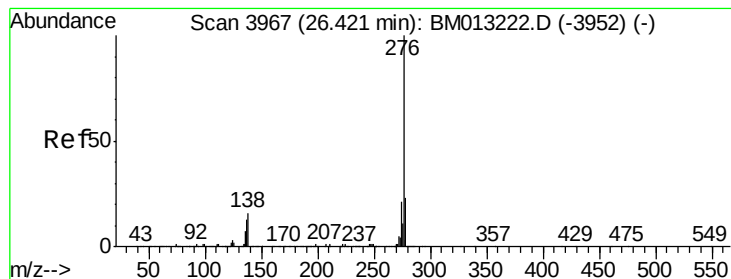


#90

Dibenzo(a,h)anthracene
Concen: 12.874 ng/ul
RT: 25.75 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BM013329.D
Acq: 12 Dec 2017 06:06

Tgt Ion:278 Resp: 587805
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 28.3 18.6 27.8#





#91

Benzo(g,h,i)perylene

Concen: 38.173 ng/ul

RT: 26.43 min Scan# 3969

Delta R.T. 0.02 min

Lab File: BM013329.D

Acq: 12 Dec 2017 06:06

Instrument :

BNA_M

ClientSampleId :

F9B13

Tgt Ion:276 Resp: 1614580

Ion Ratio Lower Upper

276 100

138 15.7 8.5 12.7#

277 24.8 18.6 28.0

