

Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A50

Quant Time: Dec 15 05:52:49 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 05:52:15 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	220470	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	926900	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	524983	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1100151	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	857596	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	806597	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	280	0.06	ng/uL	0.00
5) Phenol-d5	6.86	99	9151	0.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	6553	0.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	7719	0.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	7934	0.49	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	4778	0.65	ng/ul	0.01
22) 2-Nitrophenol-d4	9.55	143	3866	0.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	6854	0.42	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	898	0.06	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	28959	0.62	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	32391	0.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	242	0.03	ng/ul	0.00
57) Fluorene-d10	15.32	176	26416	0.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	2443	0.35	ng/ul	0.00
70) Anthracene-d10	17.16	188	40396	0.73	ng/ul	0.00
76) Pyrene-d10	19.46	212	35582	0.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	25149	0.61	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	200408	4.20	ng/ul	98
30) 4-Chloroaniline	10.50	127	25738	1.78	ng/ul#	1
34) 2-Methylnaphthalene	12.12	142	62760	1.75	ng/ul	93
47) Acenaphthylene	14.04	152	318354	5.97	ng/ul	98
49) Acenaphthene	14.38	153	226807	6.24	ng/ul	96
53) Dibenzofuran	14.72	168	197276	3.68	ng/ul	100
58) Fluorene	15.37	166	133190	3.00	ng/ul	98
68) Pentachlorophenol	16.72	266	90558	10.98	ng/ul	96
69) Phenanthrene	17.11	178	1454635	23.27	ng/ul	99
71) Anthracene	17.20	178	1262213	19.76	ng/ul	98
72) Carbazole	17.47	167	220528	4.01	ng/ul	99
74) Fluoranthene	19.13	202	2829147	36.94	ng/ul#	94
77) Pyrene	19.50	202	3310013	63.53	ng/ul#	94
80) Benzo(a)anthracene	21.24	228	2291864	42.12	ng/ul	98
82) Chrysene	21.30	228	3153180	62.46	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	6335118	116.51	ng/ul#	98
86) Benzo(k)fluoranthene	22.83	252	6335118	123.81	ng/ul#	96
88) Benzo(a)pyrene	23.40	252	2785481	57.03	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.72	276	1782616	36.78	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	481942	11.68	ng/ul#	92
91) Benzo(g,h,i)perylene	26.40	276	1320845	34.55	ng/ul#	96

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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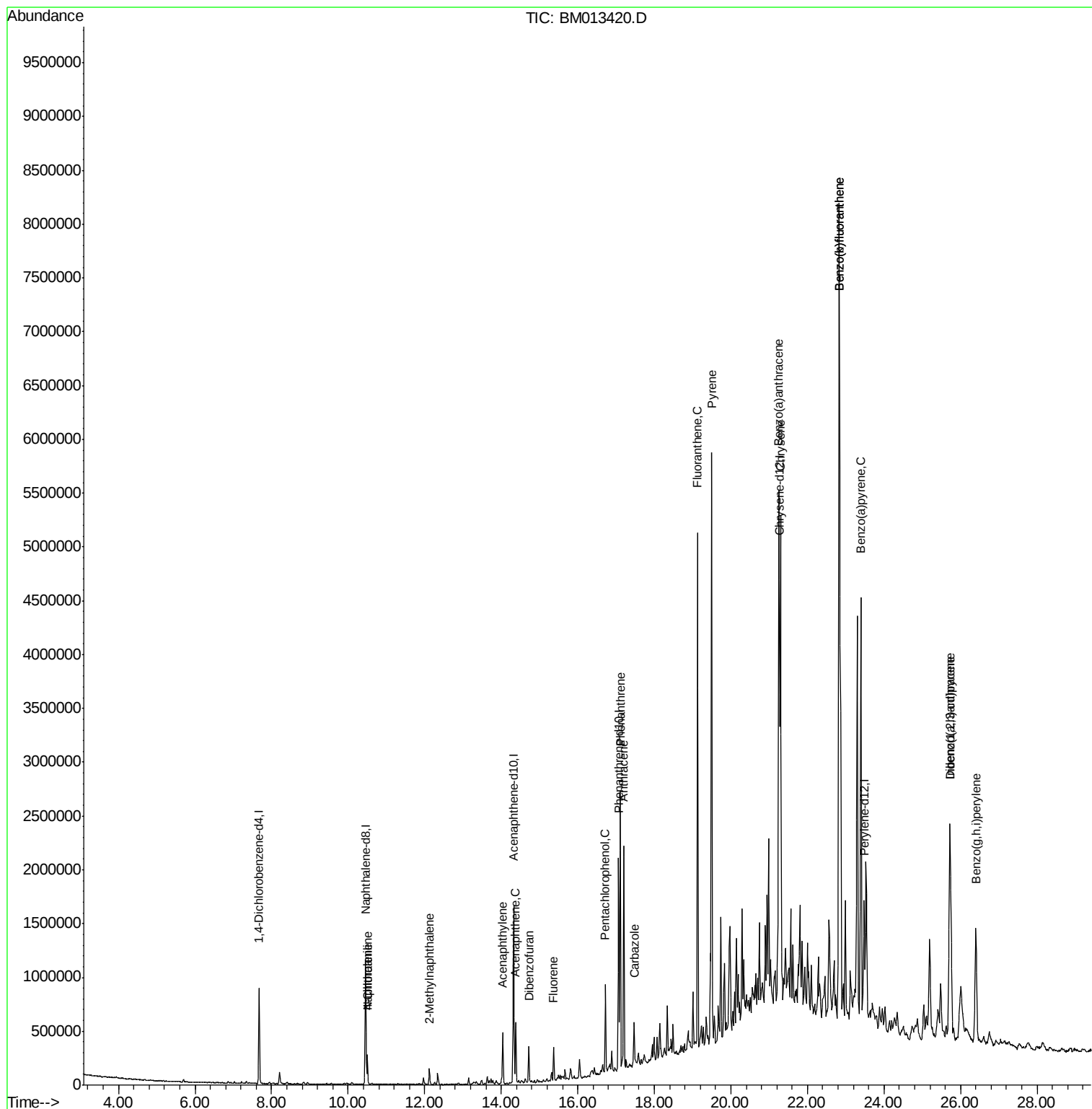
Quant Time: Dec 15 05:52:49 2017

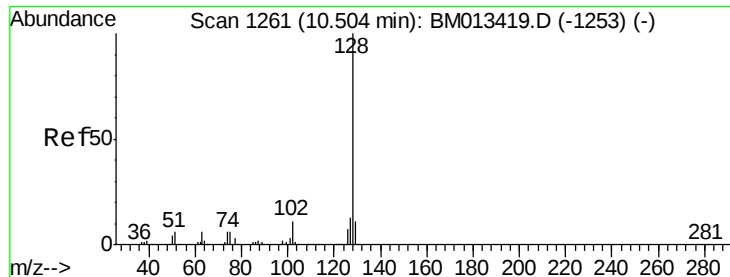
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

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QLast Update : Fri Dec 15 05:52:15 2017

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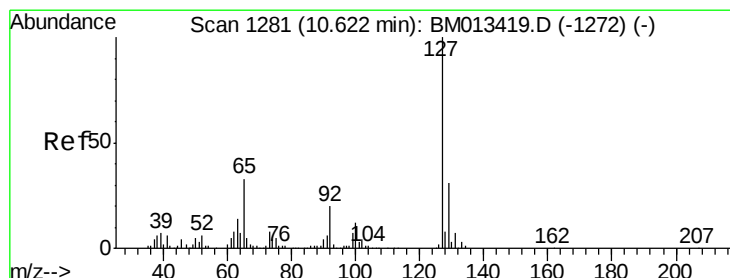
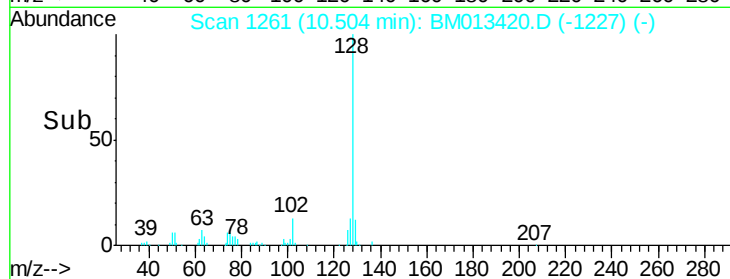
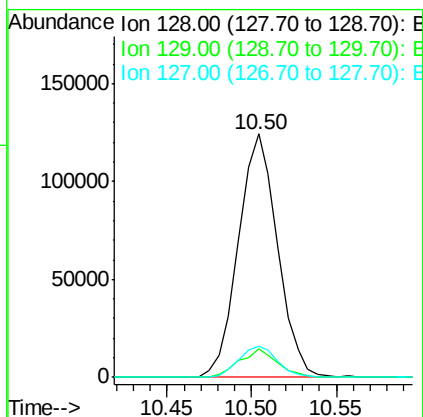
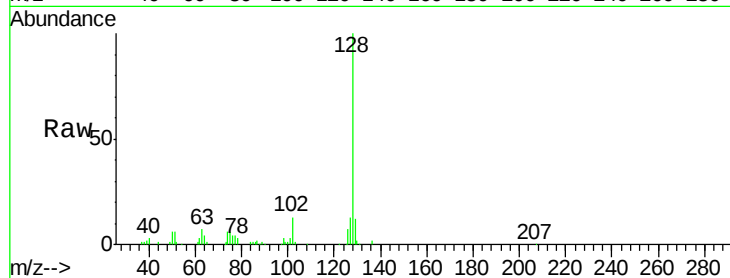




#28
Naphthalene
Concen: 4.20 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM013420.D
Acq: 15 Dec 2017 02:27

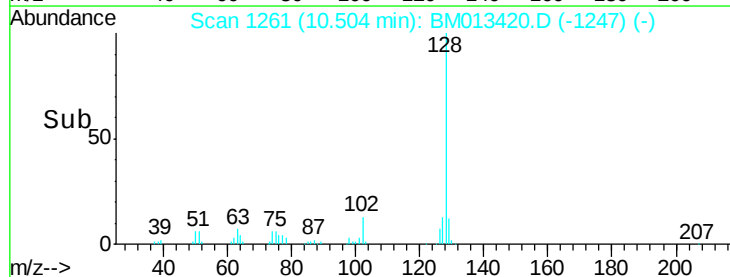
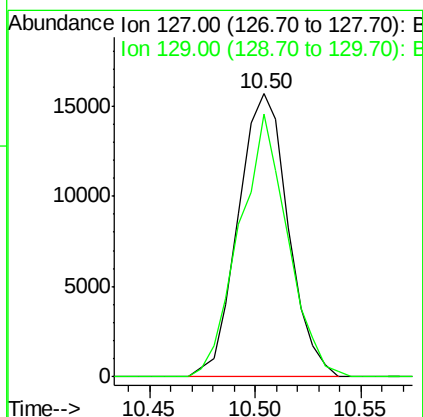
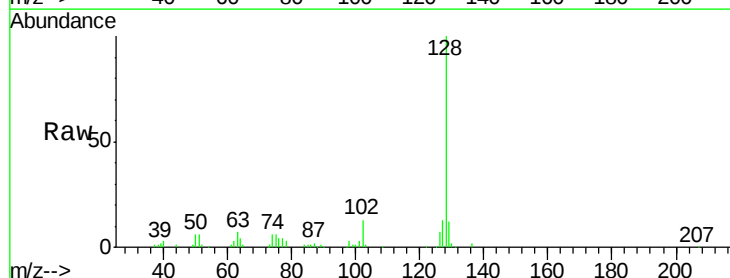
Instrument :
BNA_M
ClientSampleId :
F9A50

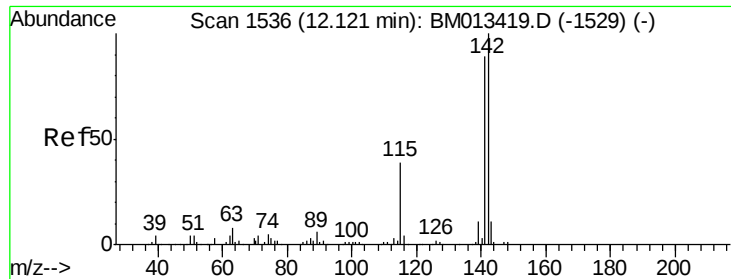
Tgt Ion:128 Resp: 200408
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 12.6 10.6 16.0



#30
4-Chloroaniline
Concen: 1.78 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BM013420.D
Acq: 15 Dec 2017 02:27

Tgt Ion:127 Resp: 25738
Ion Ratio Lower Upper
127 100
129 93.1 28.4 42.6#

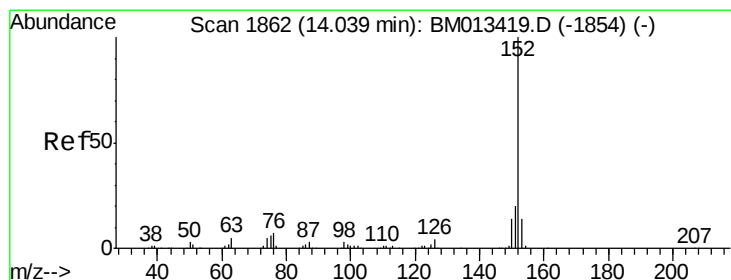
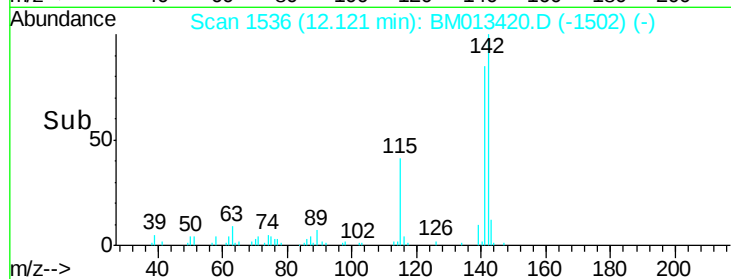
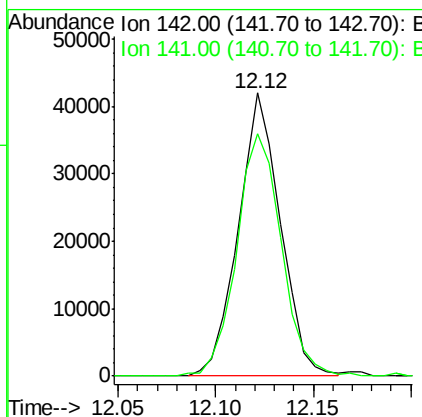
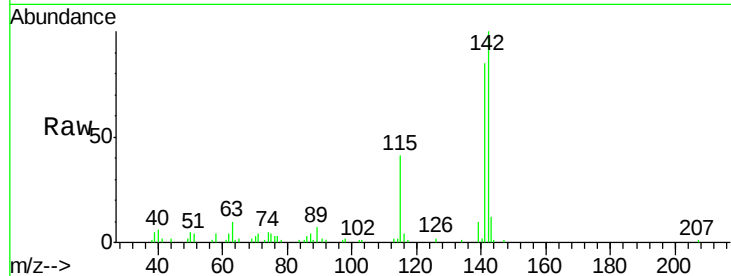




#34
 2-Methylnaphthalene
 Concen: 1.75 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BM013420.D
 Acq: 15 Dec 2017 02:27

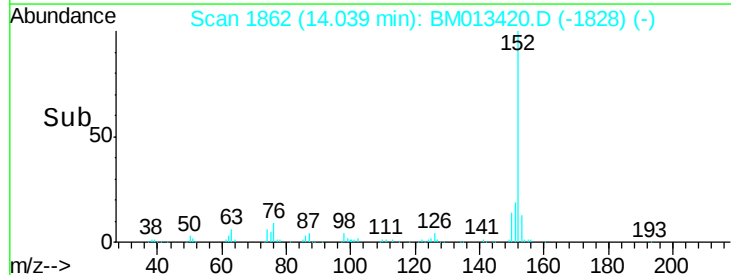
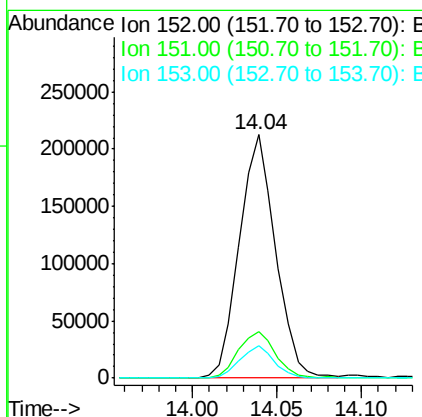
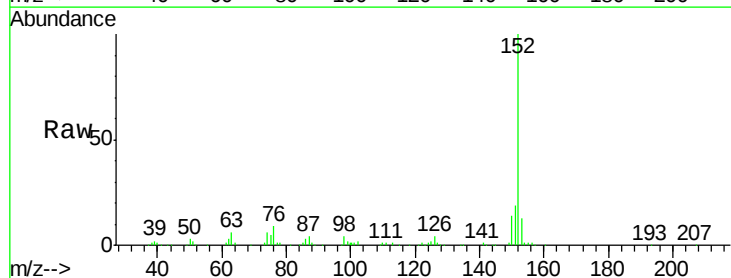
Instrument :
 BNA_M
 ClientSampleId :
 F9A50

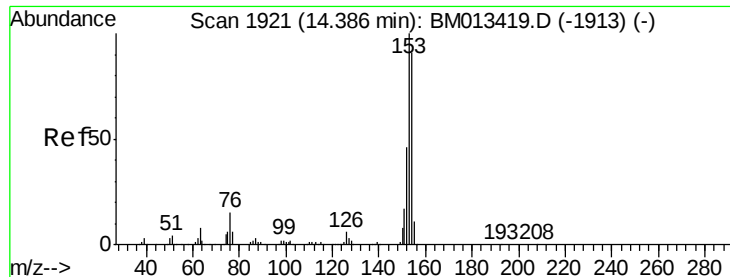
Tgt Ion:142 Resp: 62760
 Ion Ratio Lower Upper
 142 100
 141 85.5 74.1 111.1



#47
 Acenaphthylene
 Concen: 5.97 ng/ul
 RT: 14.04 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: BM013420.D
 Acq: 15 Dec 2017 02:27

Tgt Ion:152 Resp: 318354
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.3 24.5
 153 13.2 10.2 15.4





#49

Acenaphthene

Concen: 6.24 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

Instrument :

BNA_M

ClientSampleId :

F9A50

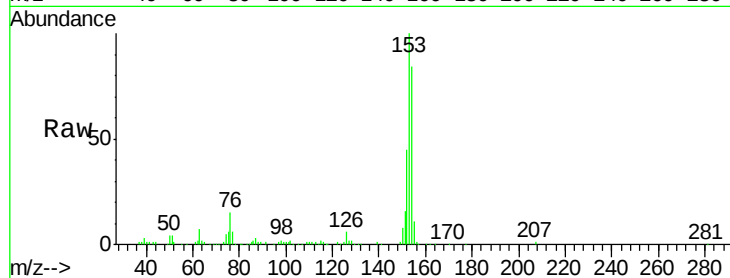
Tgt Ion:153 Resp: 226807

Ion Ratio Lower Upper

153 100

152 44.5 37.6 56.4

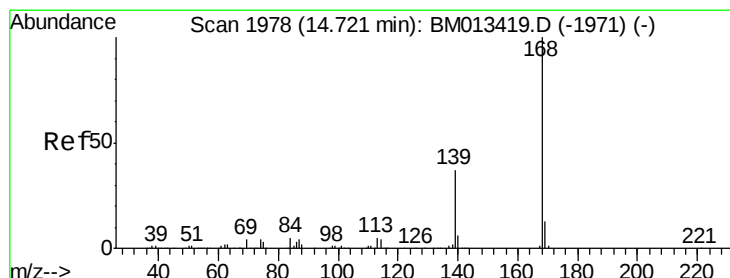
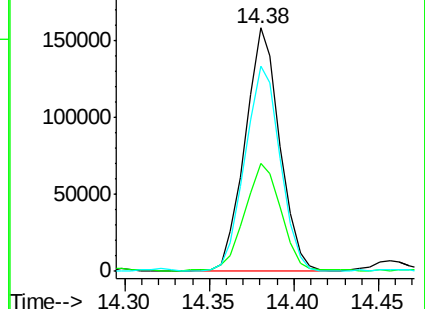
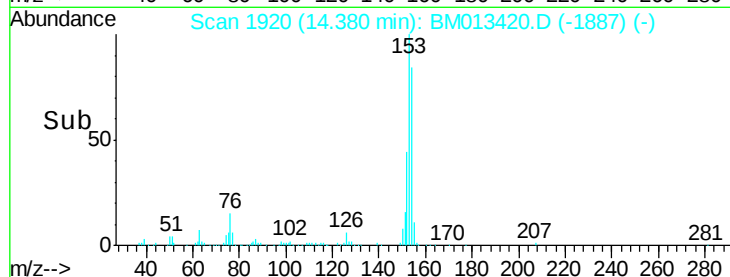
154 84.3 70.4 105.6



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



#53

Dibenzofuran

Concen: 3.68 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM013420.D

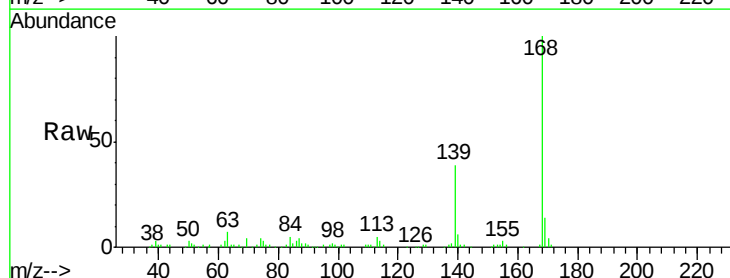
Acq: 15 Dec 2017 02:27

Tgt Ion:168 Resp: 197276

Ion Ratio Lower Upper

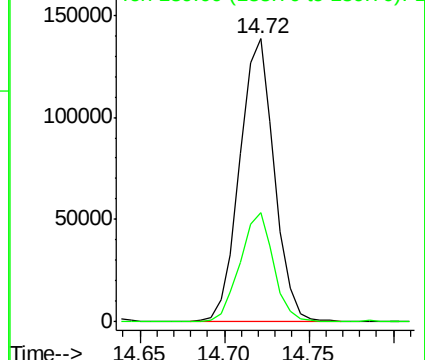
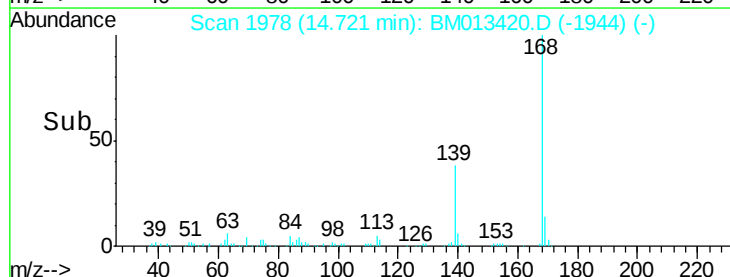
168 100

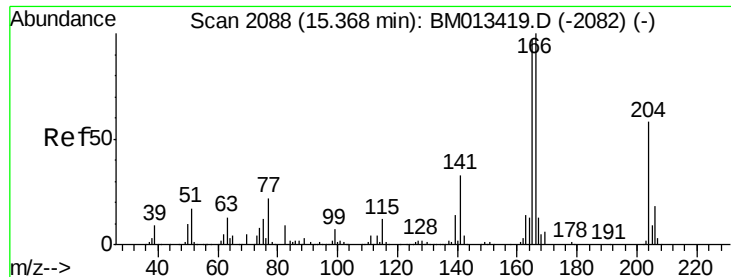
139 38.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.00 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

Instrument :

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ClientSampleId :

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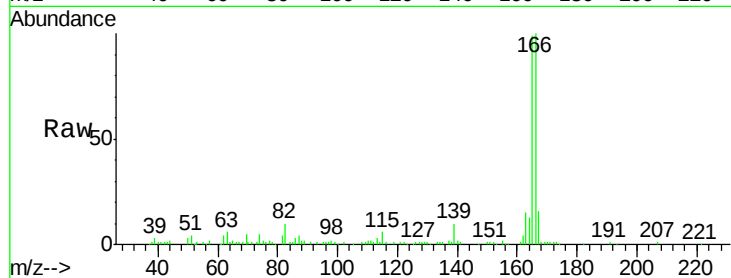
Tgt Ion:166 Resp: 133190

Ion Ratio Lower Upper

166 100

165 99.3 77.9 116.9

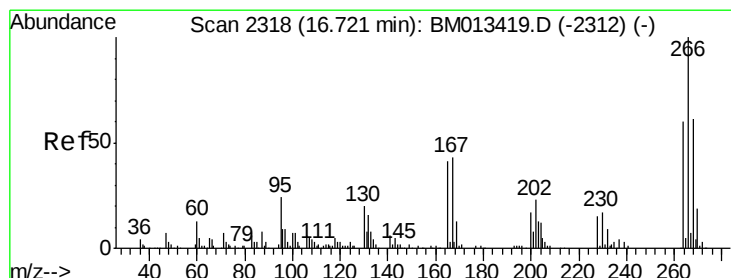
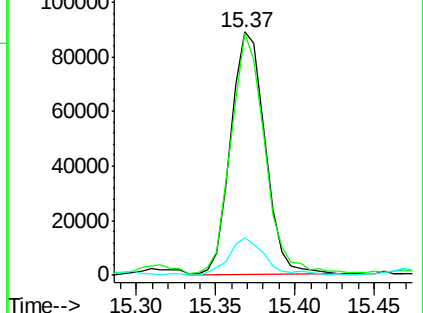
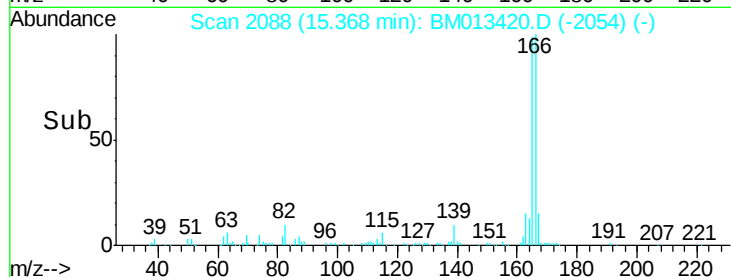
167 15.6 10.6 16.0



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



#68

Pentachlorophenol

Concen: 10.98 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

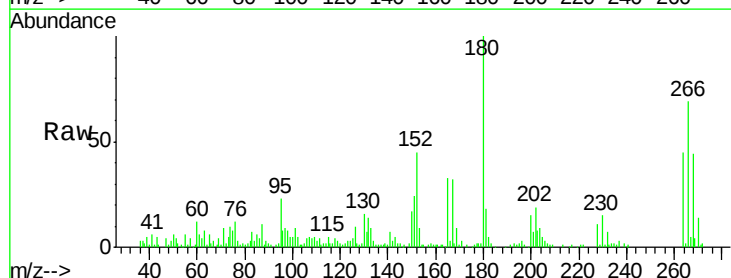
Tgt Ion:266 Resp: 90558

Ion Ratio Lower Upper

266 100

264 65.0 49.3 73.9

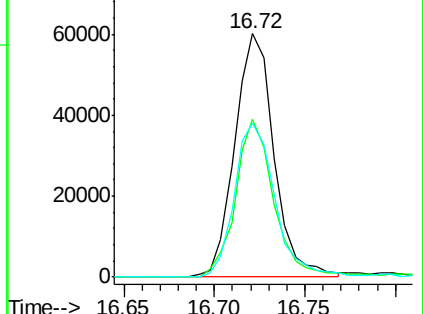
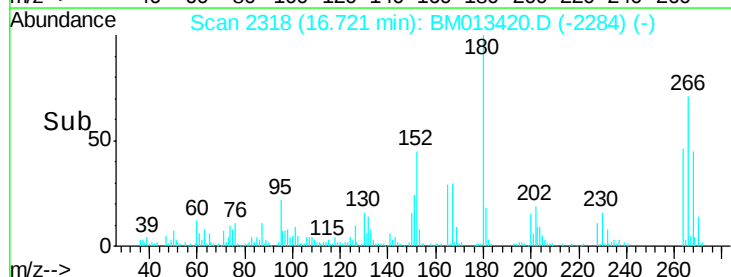
268 63.4 52.6 78.8

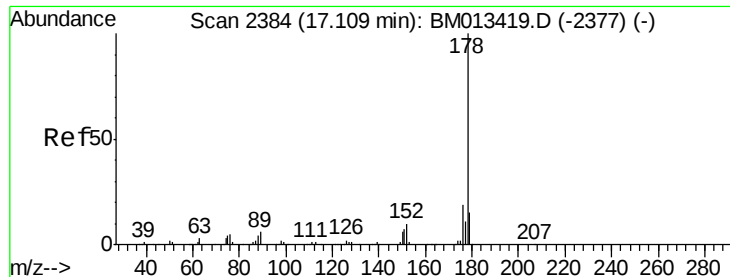


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 23.27 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013420.D

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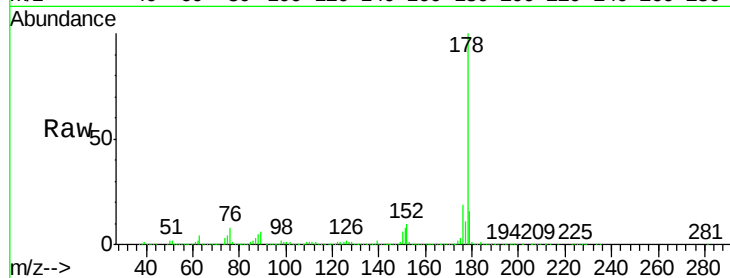
Tgt Ion:178 Resp: 1454635

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

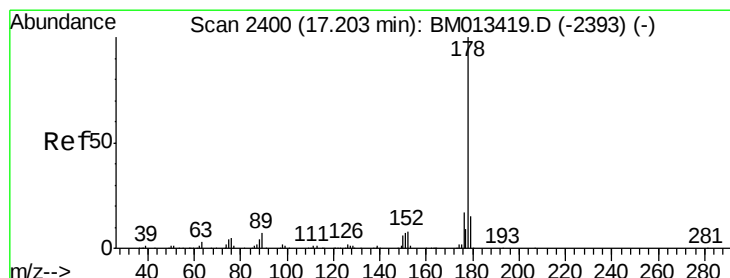
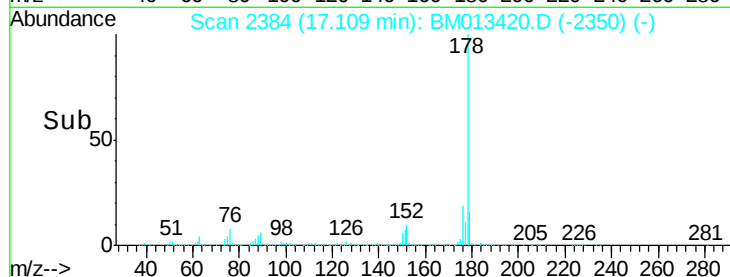
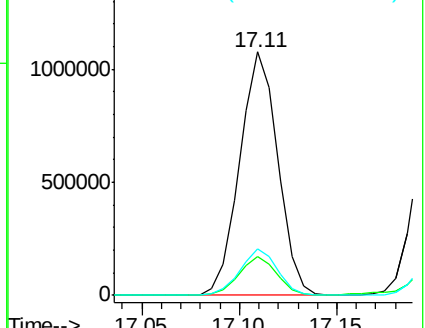
176 19.0 14.9 22.3



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: 19.76 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

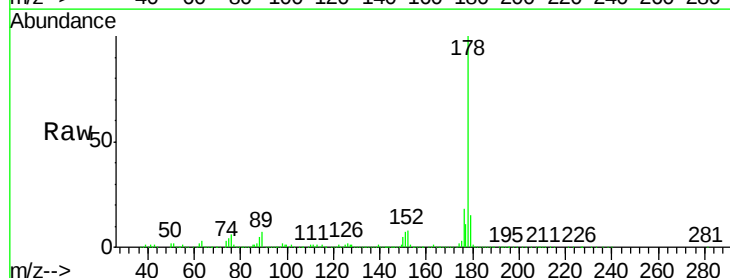
Tgt Ion:178 Resp: 1262213

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

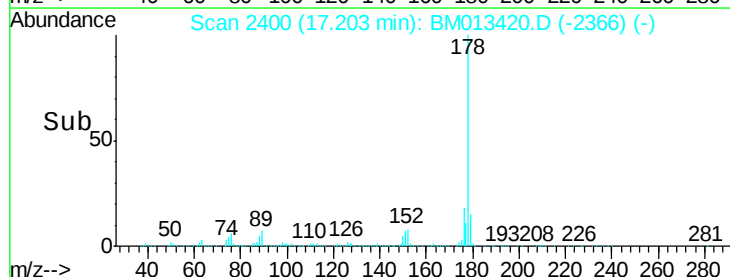
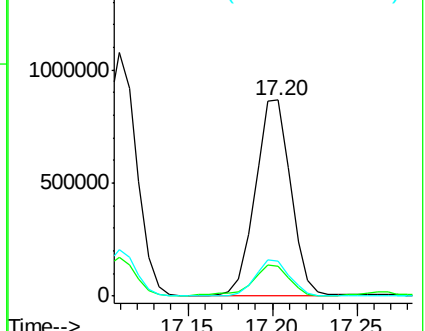
176 17.6 14.6 21.8

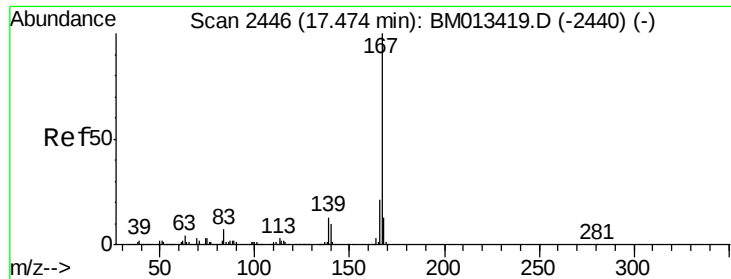


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.01 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

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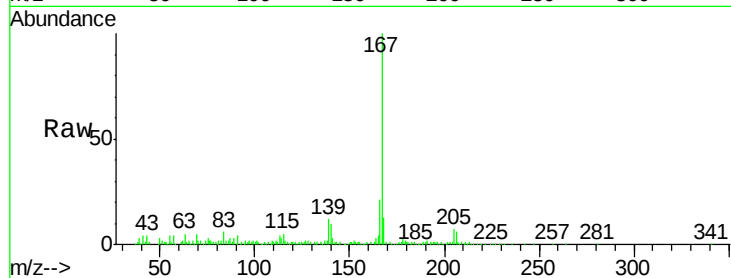
Tgt Ion:167 Resp: 220528

Ion Ratio Lower Upper

167 100

166 20.6 17.1 25.7

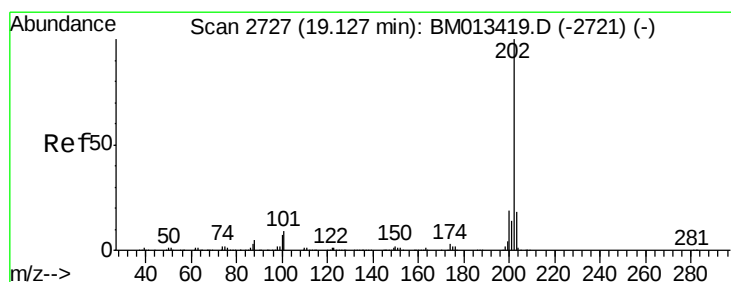
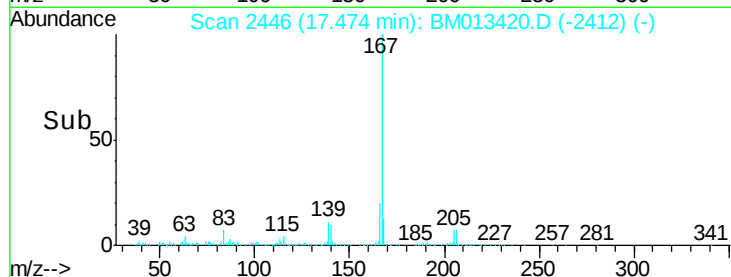
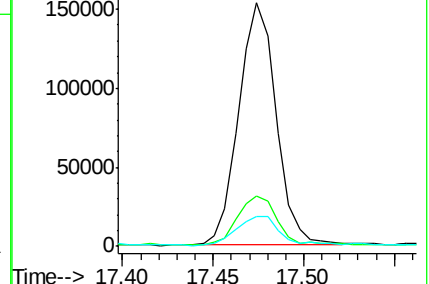
139 12.2 10.0 15.0



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: 36.94 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

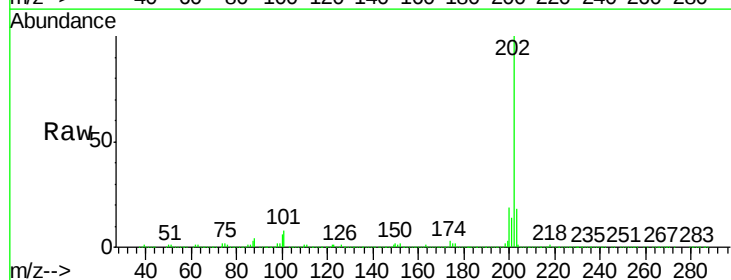
Tgt Ion:202 Resp: 2829147

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

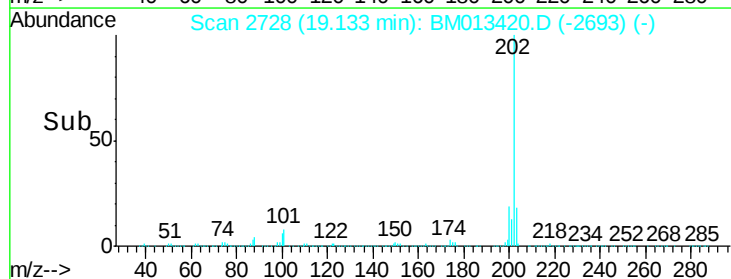
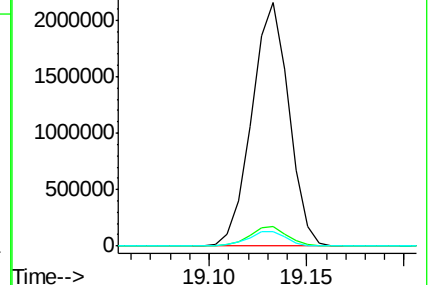
100 6.1 3.4 5.2#

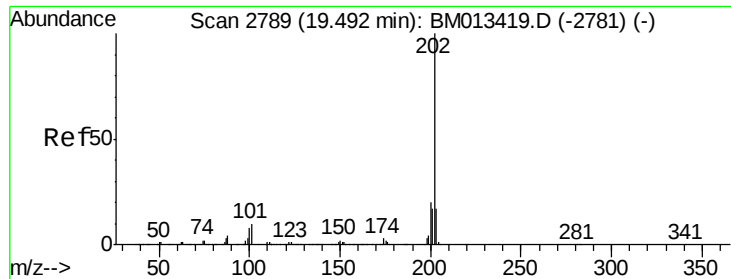


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

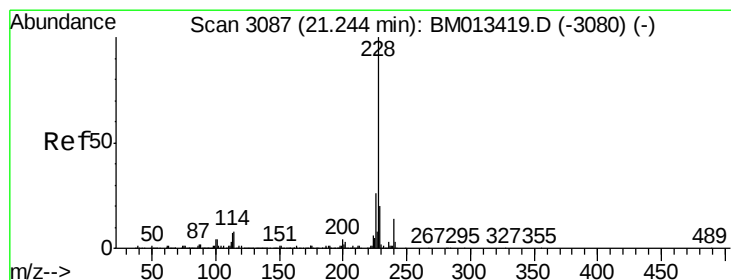
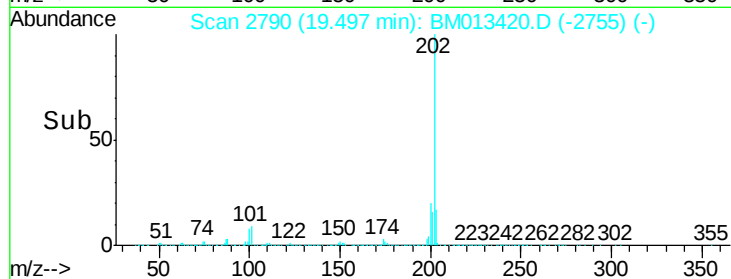
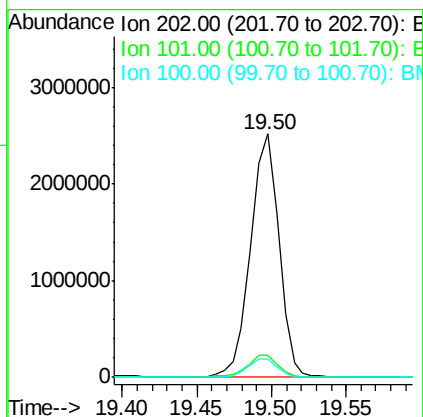
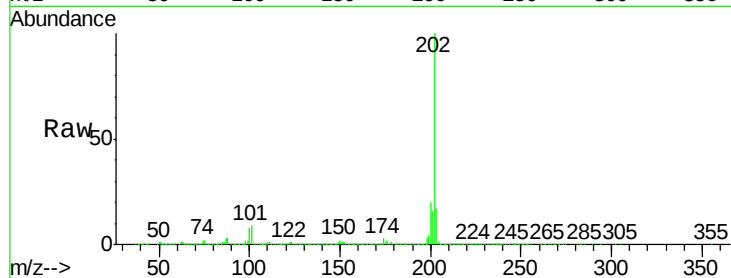




#77
 Pyrene
 Concen: 63.53 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013420.D
 Acq: 15 Dec 2017 02:27

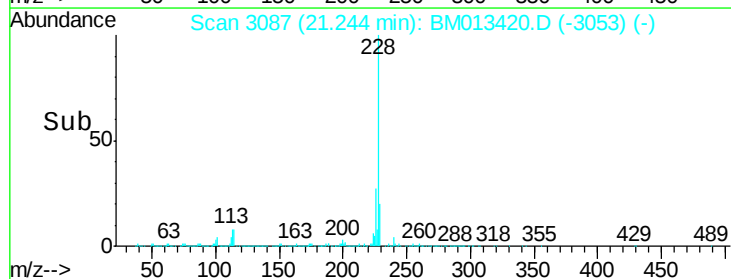
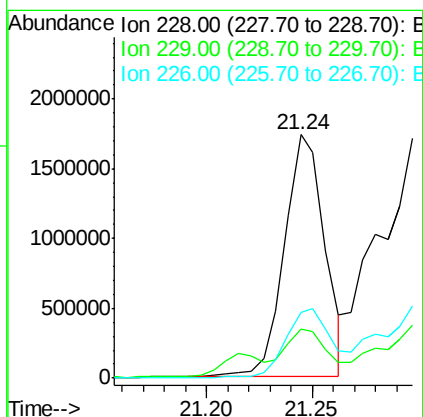
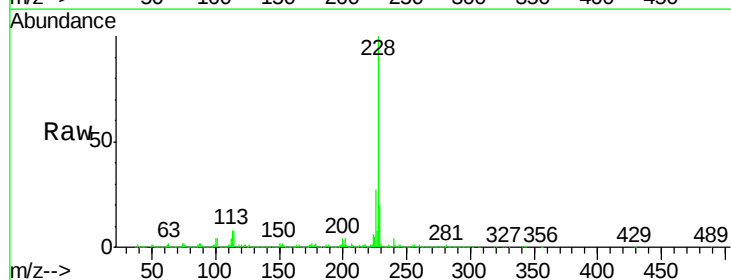
Instrument :
 BNA_M
 ClientSampleId :
 F9A50

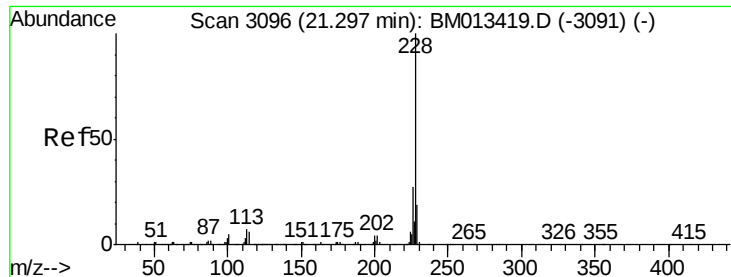
Tgt Ion:202 Resp: 3310013
 Ion Ratio Lower Upper
 202 100
 101 8.9 5.1 7.7#
 100 7.5 4.9 7.3#



#80
 Benzo(a)anthracene
 Concen: 42.12 ng/ul
 RT: 21.24 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: BM013420.D
 Acq: 15 Dec 2017 02:27

Tgt Ion:228 Resp: 2291864
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.4 23.0
 226 27.2 21.4 32.0





#82

Chrysene

Concen: 62.46 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

Instrument :

BNA_M

ClientSampleId :

F9A50

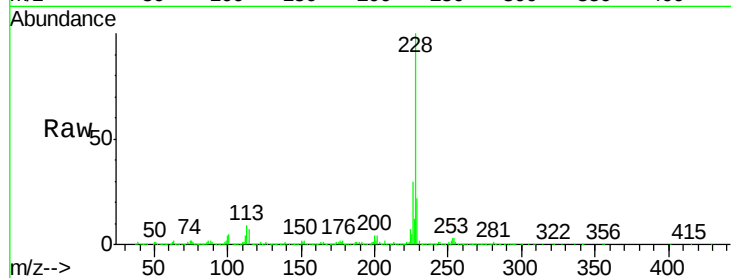
Tgt Ion:228 Resp: 3153180

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

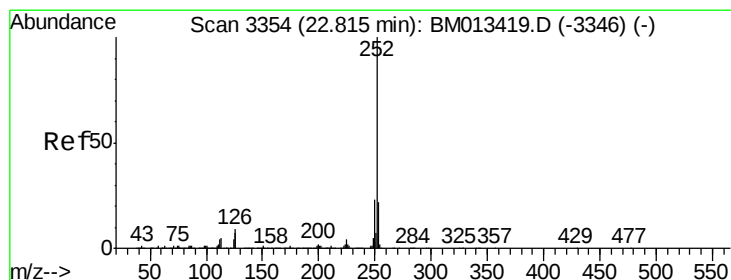
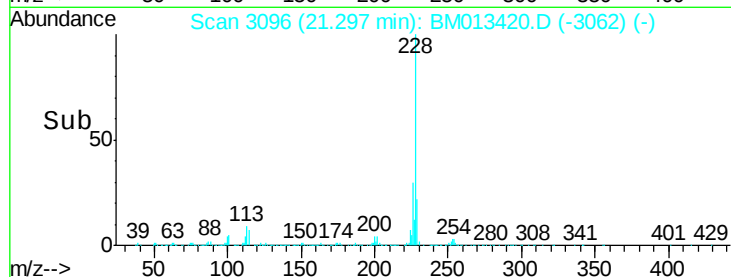
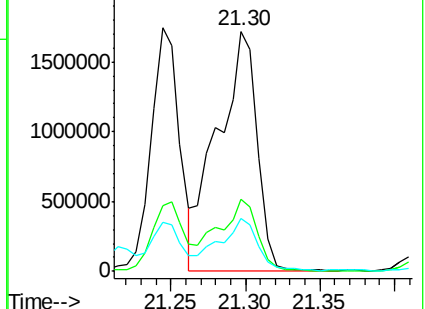
229 22.0 15.5 23.3



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: 116.51 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. 0.02 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

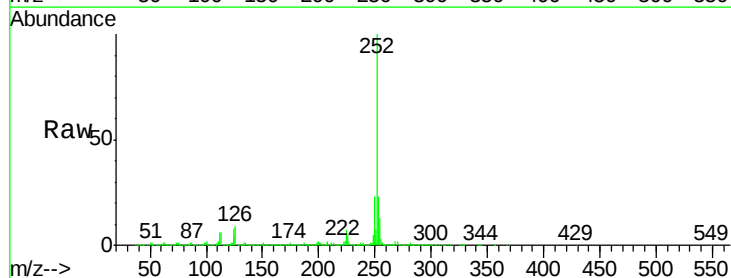
Tgt Ion:252 Resp: 6335118

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

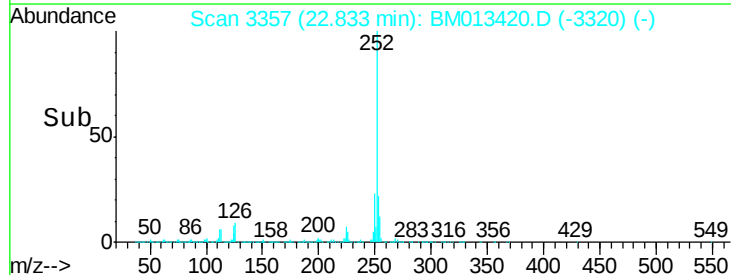
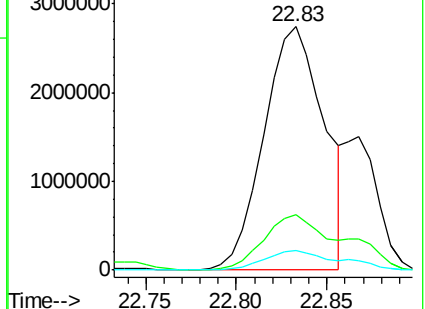
125 7.9 3.6 5.4#

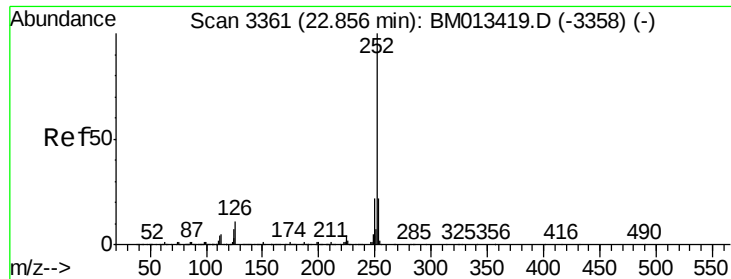


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

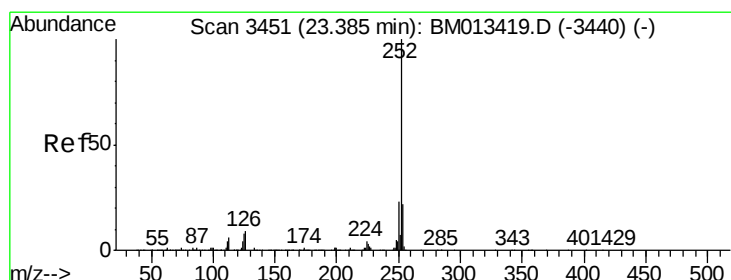
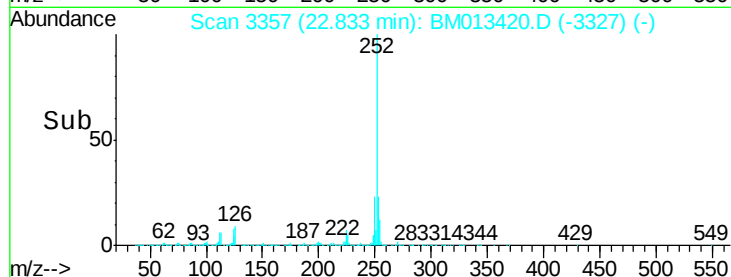
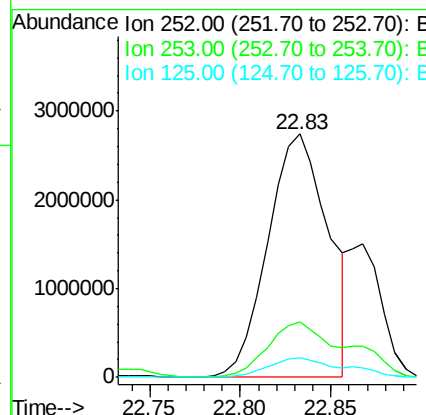
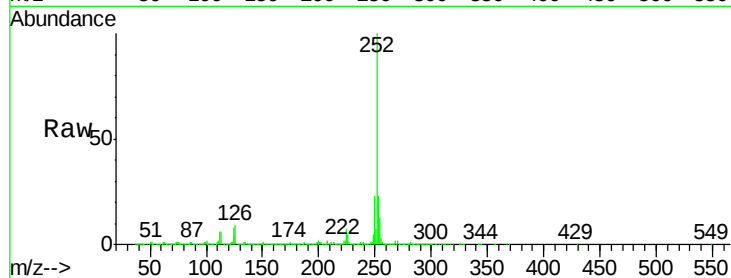




#86
Benzo(k)fluoranthene
Concen: 123.81 ng/ul
RT: 22.83 min Scan# 3357
Delta R.T. -0.02 min
Lab File: BM013420.D
Acq: 15 Dec 2017 02:27

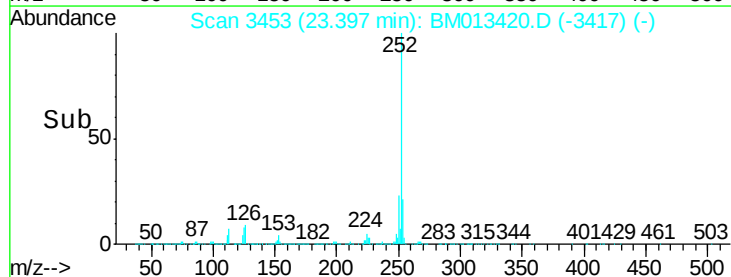
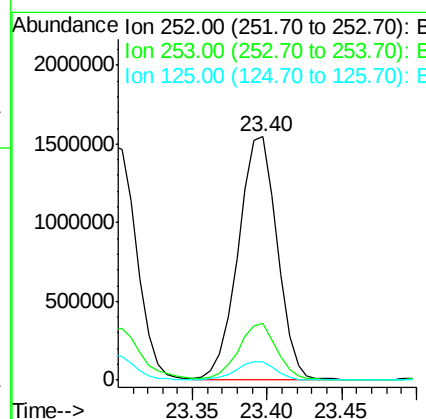
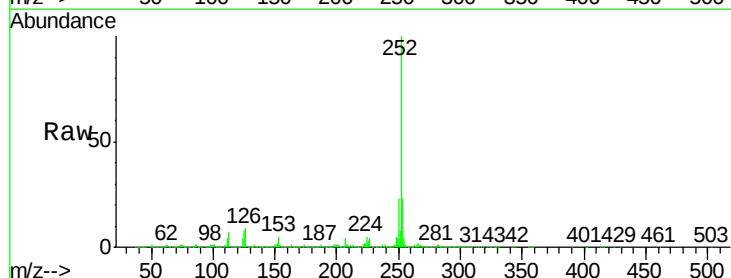
Instrument :
BNA_M
ClientSampleId :
F9A50

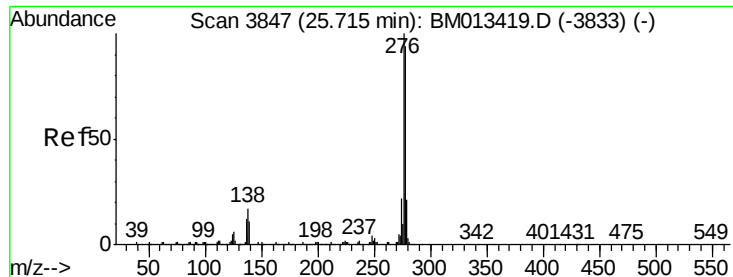
Tgt Ion:252 Resp: 6335118
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 7.9 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 57.03 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BM013420.D
Acq: 15 Dec 2017 02:27

Tgt Ion:252 Resp: 2785481
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 7.6 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 36.78 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

Instrument :

BNA_M

ClientSampleId :

F9A50

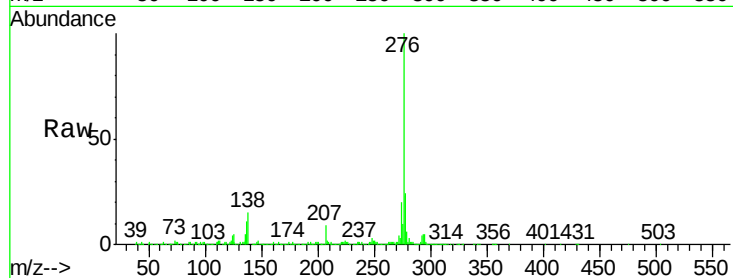
Tgt Ion:276 Resp: 1782616

Ion Ratio Lower Upper

276 100

138 14.7 9.3 13.9#

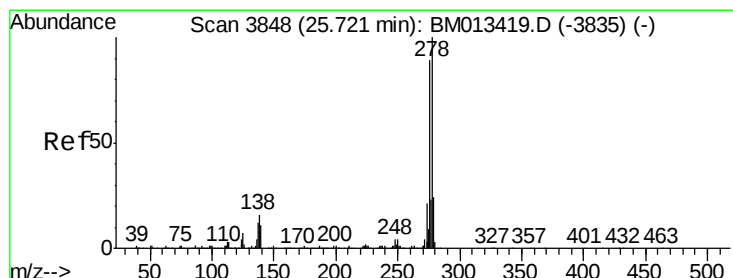
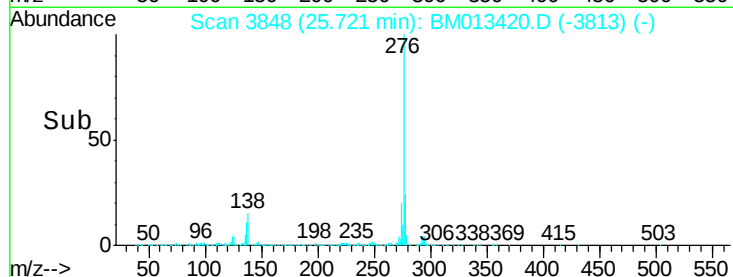
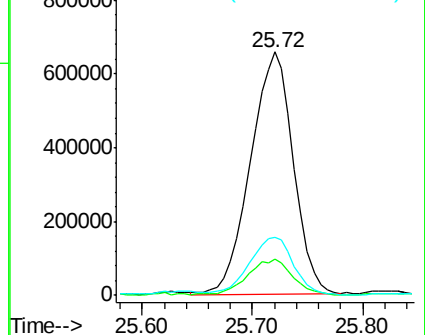
277 24.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 11.68 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

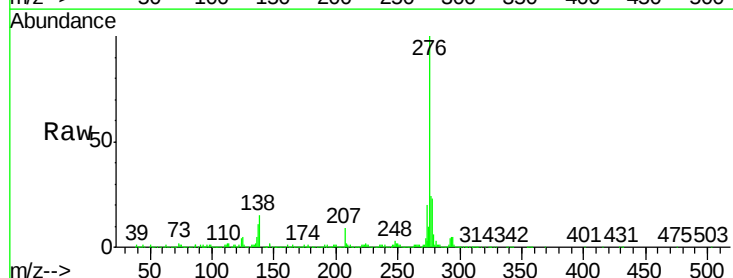
Tgt Ion:278 Resp: 481942

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

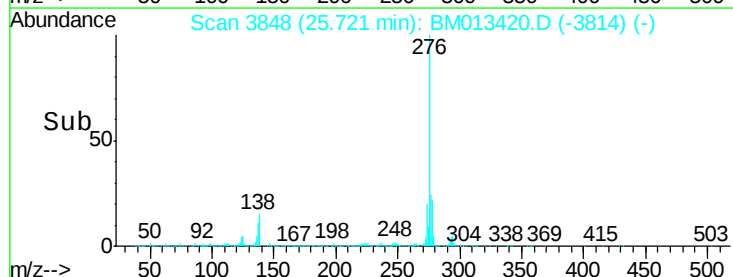
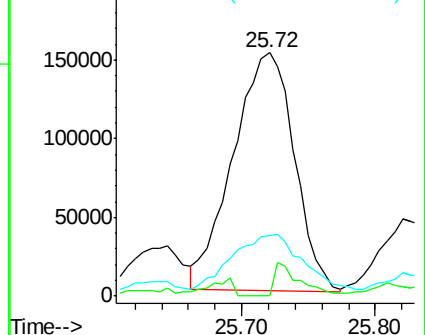
279 24.9 18.6 27.8

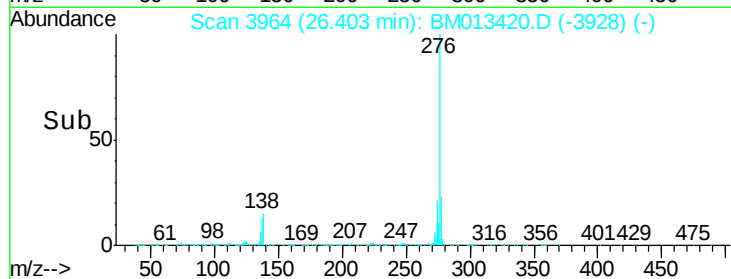
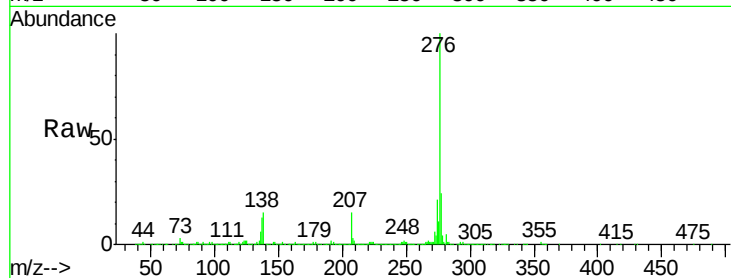
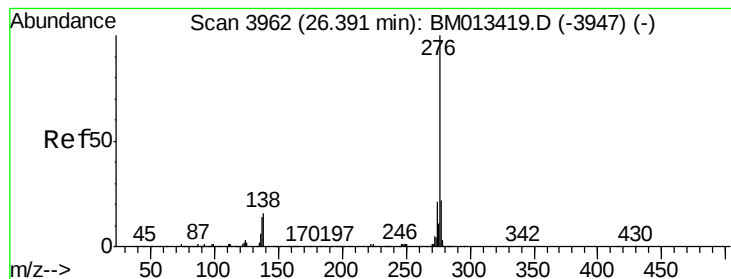


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 34.55 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BM013420.D

Acq: 15 Dec 2017 02:27

Instrument :

BNA_M

ClientSampleId :

F9A50

Tgt Ion:276 Resp: 1320845

Ion Ratio Lower Upper

276 100

138 15.0 8.5 12.7#

277 23.7 18.6 28.0

