

Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A46

Quant Time: Dec 15 06:06:55 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 05:52:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	258914	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1133915	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	650276	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1377882	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1059755	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	872441	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4236	0.81	ng/uL	0.00
5) Phenol-d5	6.86	99	127839	5.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	73150	5.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	105895	6.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	111477	5.83	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	54986	6.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	57920	6.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	113179	5.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	64952	3.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	363411	6.28	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	456347	6.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	46691	4.64	ng/ul	0.00
57) Fluorene-d10	15.32	176	305580	6.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	39227	4.53	ng/ul	0.00
70) Anthracene-d10	17.16	188	451847	6.55	ng/ul	0.00
76) Pyrene-d10	19.47	212	452042	8.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	281652	6.34	ng/ul	0.01

Target Compounds

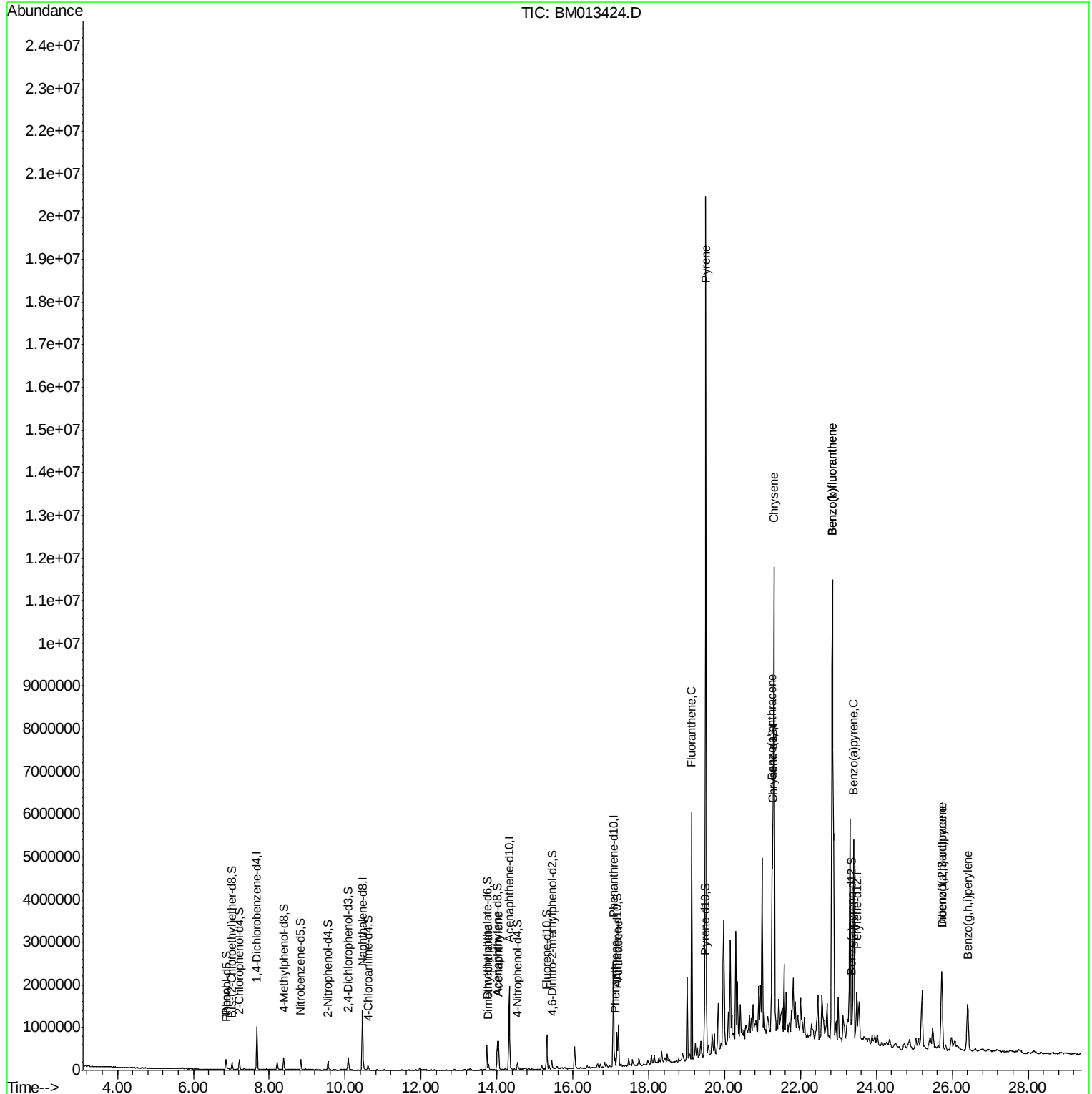
						Qvalue
6) Phenol	6.88	94	24552	1.11	ng/ul	91
44) Dimethylphthalate	13.78	163	57800	1.04	ng/ul	99
47) Acenaphthylene	14.04	152	516514	7.82	ng/ul	97
69) Phenanthrene	17.11	178	116562	1.49	ng/ul	100
71) Anthracene	17.20	178	577614	7.22	ng/ul	98
74) Fluoranthene	19.13	202	3420696	35.66	ng/ul#	93
77) Pyrene	19.50	202	11929981	185.30	ng/ul#	86
80) Benzo(a)anthracene	21.25	228	2194726	32.64	ng/ul	94
82) Chrysene	21.30	228	7271163	116.56	ng/ul	99
85) Benzo(b)fluoranthene	22.84	252	9182206	156.13	ng/ul#	98
86) Benzo(k)fluoranthene	22.84	252	9182206	165.90	ng/ul#	97
88) Benzo(a)pyrene	23.40	252	3252173	61.56	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.72	276	1819010	34.70	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	486750	10.90	ng/ul#	92
91) Benzo(g,h,i)perylene	26.41	276	1382465	33.43	ng/ul#	95

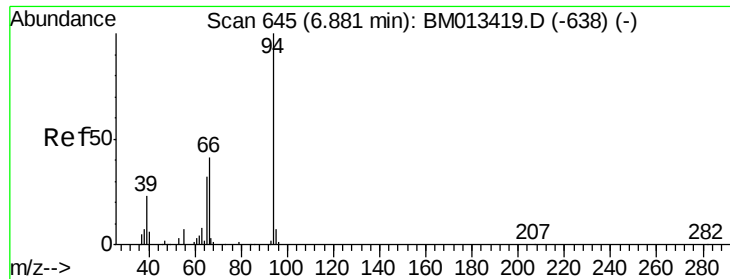
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 22 Sample Multiplier: 1

F9A46

Response via : Initial Calibration





#6

Phenol

Concen: 1.11 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

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ClientSampleId :

F9A46

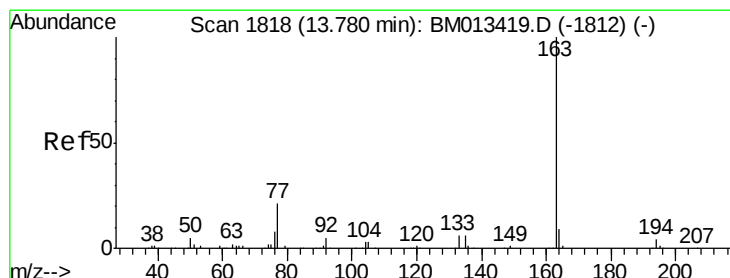
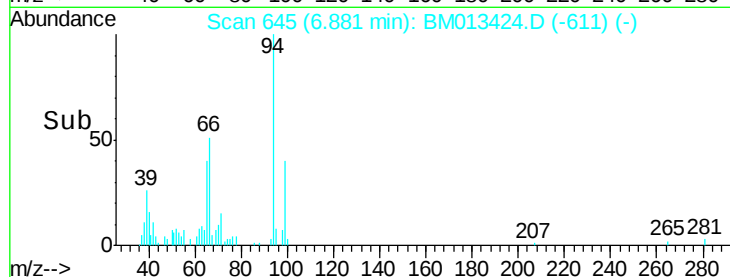
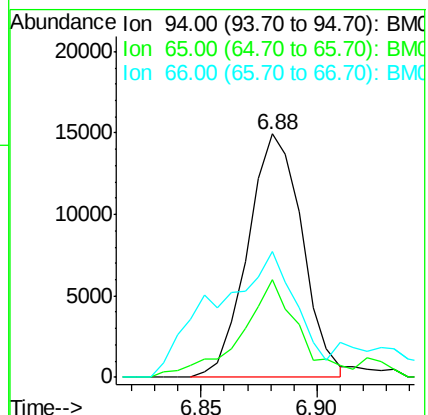
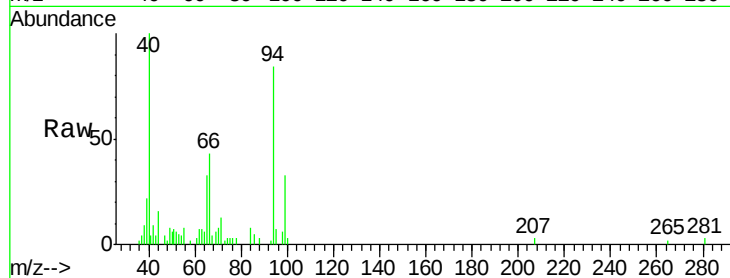
Tgt Ion: 94 Resp: 24552

Ion Ratio Lower Upper

94 100

65 39.9 28.2 42.4

66 51.5 47.2 70.8



#44

Dimethylphthalate

Concen: 1.04 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

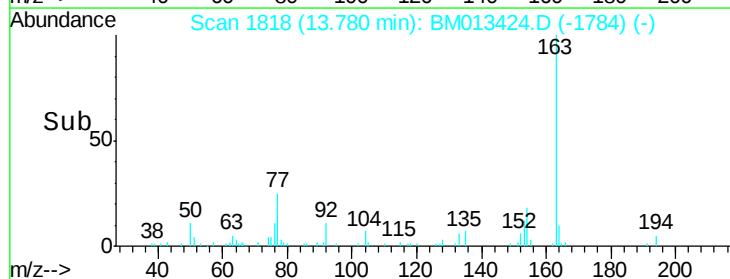
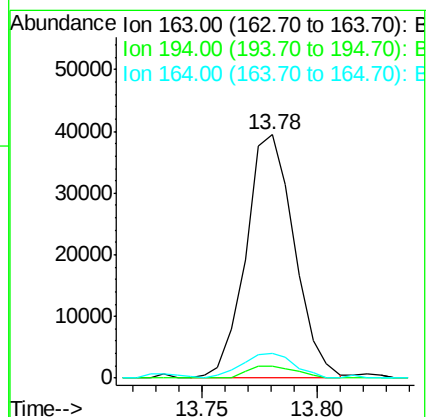
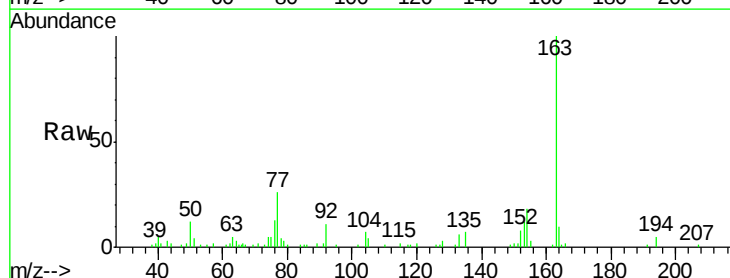
Tgt Ion: 163 Resp: 57800

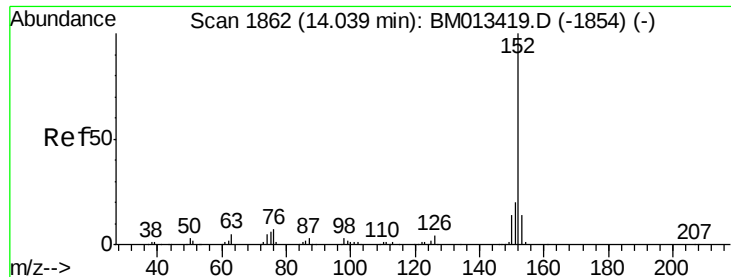
Ion Ratio Lower Upper

163 100

194 5.0 3.5 5.3

164 10.2 8.2 12.4





#47

Acenaphthylene

Concen: 7.82 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

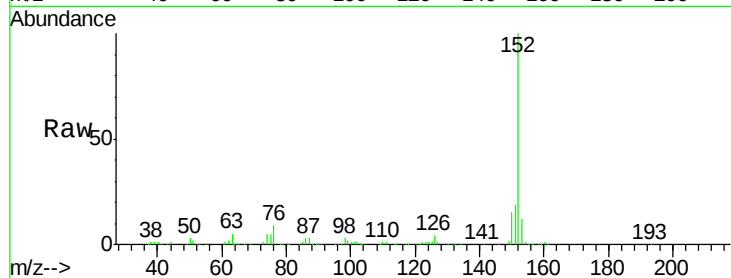
Tgt Ion:152 Resp: 516514

Ion Ratio Lower Upper

152 100

151 19.2 16.3 24.5

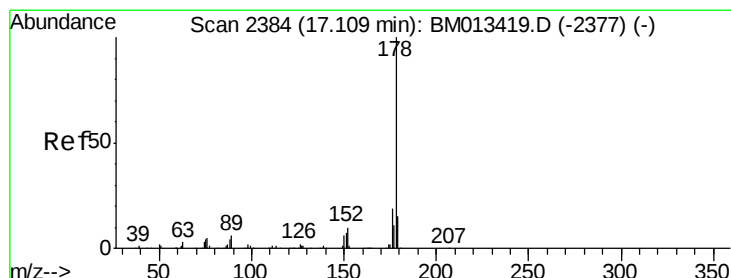
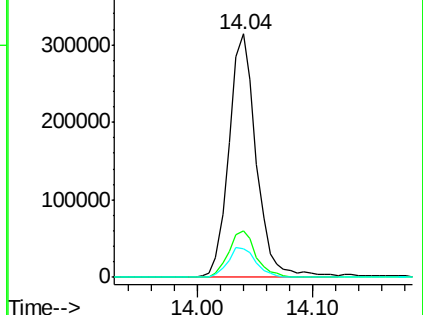
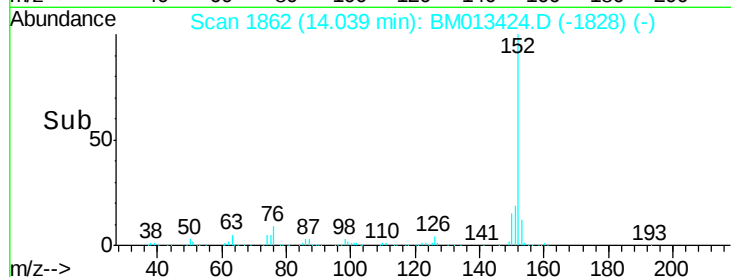
153 11.6 10.2 15.4



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



#69

Phenanthrene

Concen: 1.49 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

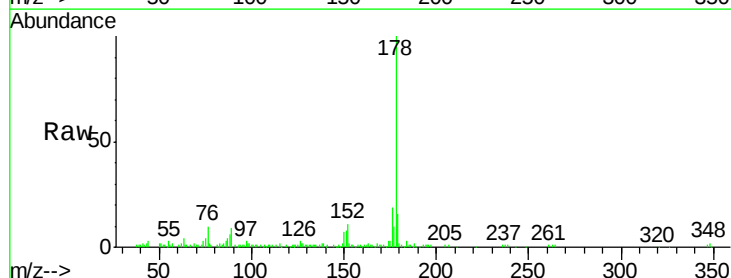
Tgt Ion:178 Resp: 116562

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

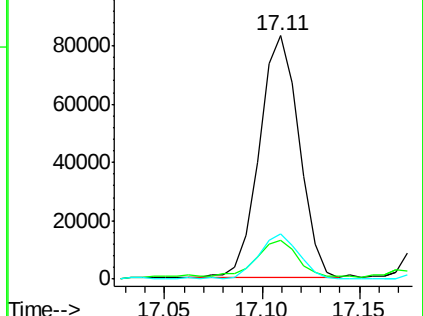
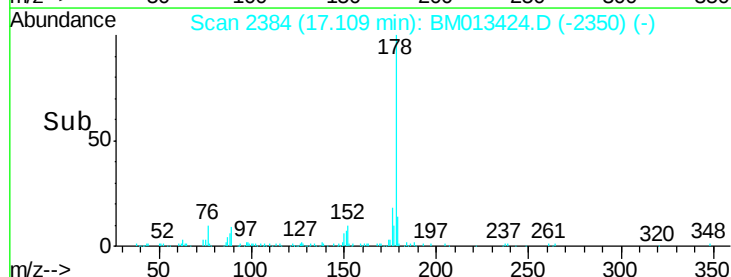
176 18.8 14.9 22.3

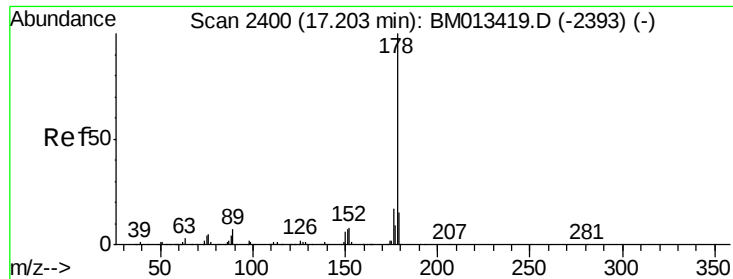


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

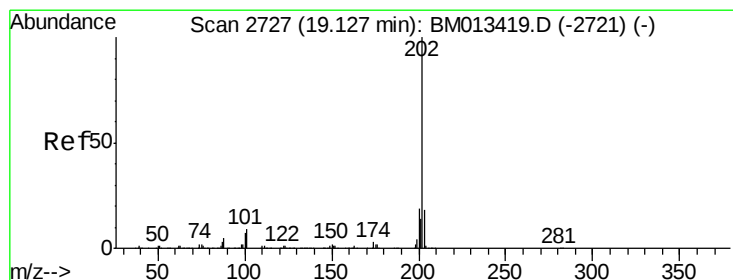
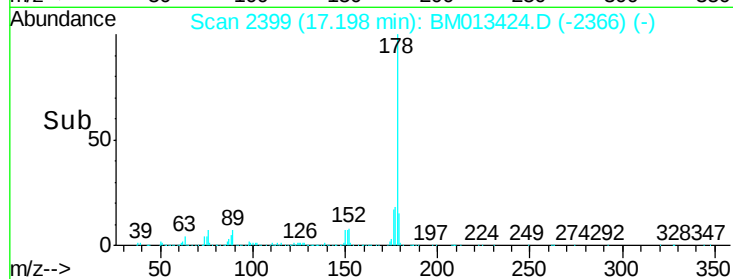
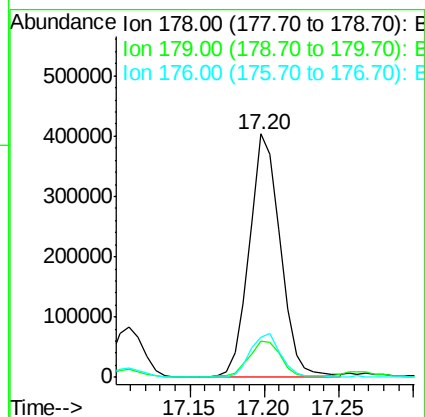
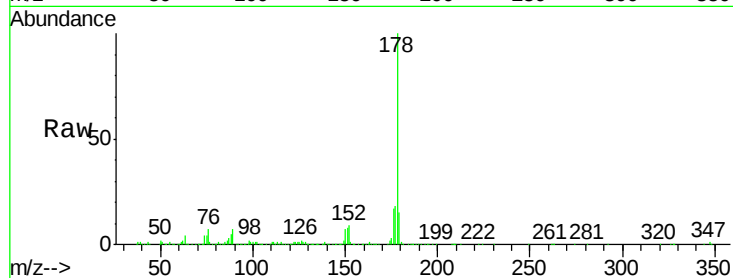




#71
 Anthracene
 Concen: 7.22 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013424.D
 Acq: 15 Dec 2017 04:49

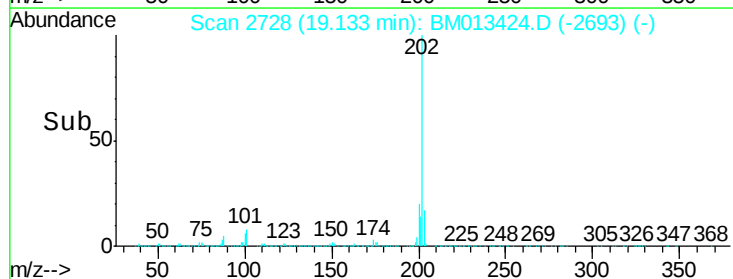
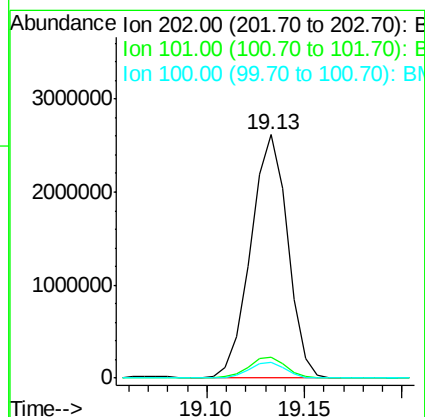
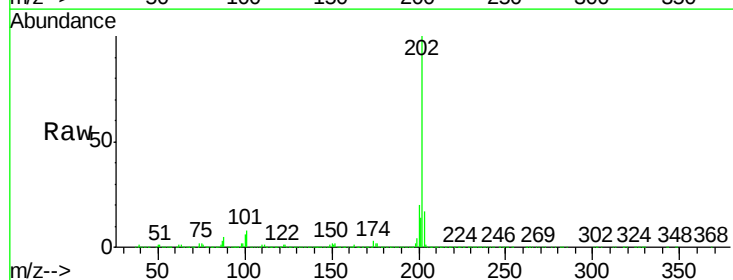
Instrument :
 BNA_M
 ClientSampleId :
 F9A46

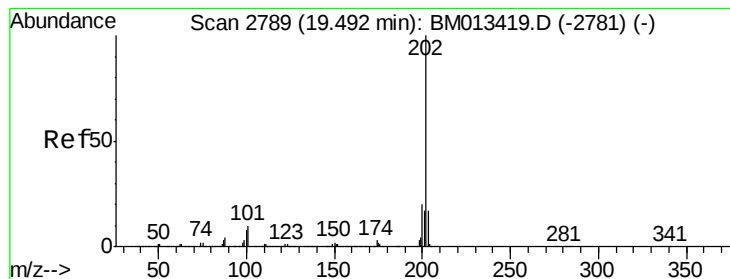
Tgt Ion:178 Resp: 577614
 Ion Ratio Lower Upper
 178 100
 179 15.0 11.7 17.5
 176 16.6 14.6 21.8



#74
 Fluoranthene
 Concen: 35.66 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. 0.01 min
 Lab File: BM013424.D
 Acq: 15 Dec 2017 04:49

Tgt Ion:202 Resp: 3420696
 Ion Ratio Lower Upper
 202 100
 101 8.4 4.6 7.0#
 100 6.3 3.4 5.2#





#77

Pyrene

Concen: 185.30 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

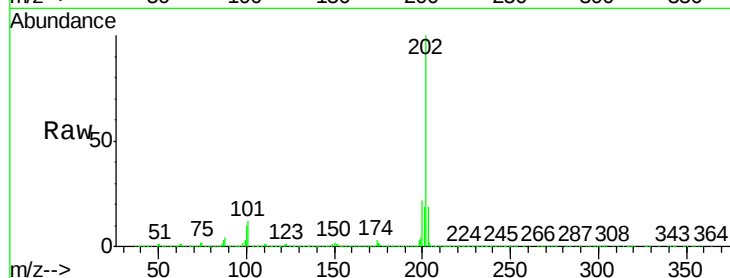
Tgt Ion:202 Resp:11929981

Ion Ratio Lower Upper

202 100

101 11.8 5.1 7.7#

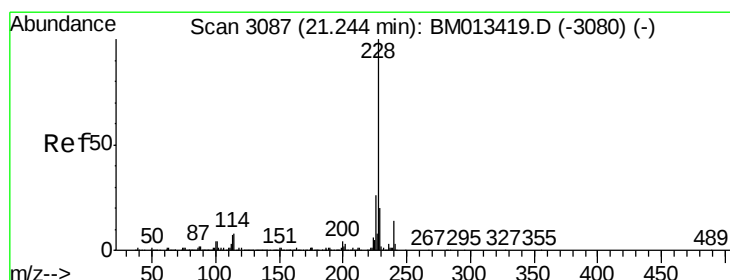
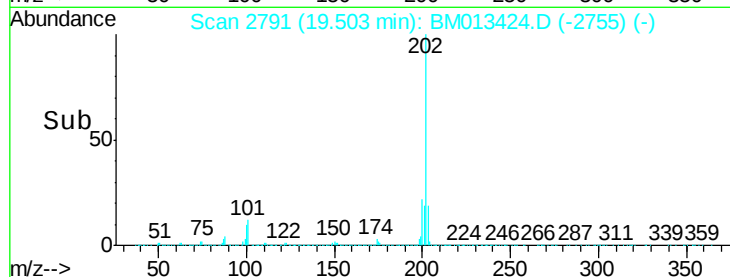
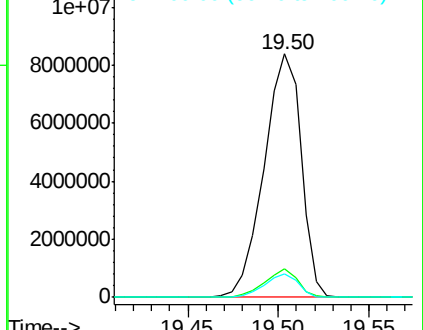
100 9.9 4.9 7.3#



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: 32.64 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

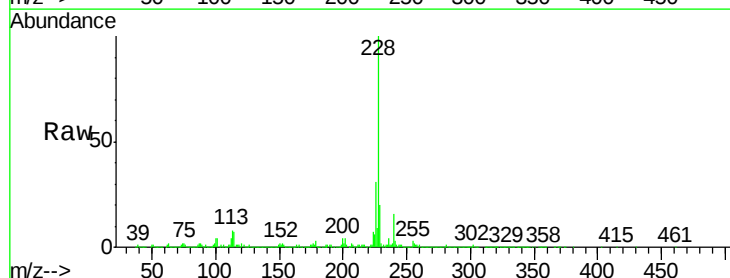
Tgt Ion:228 Resp: 2194726

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

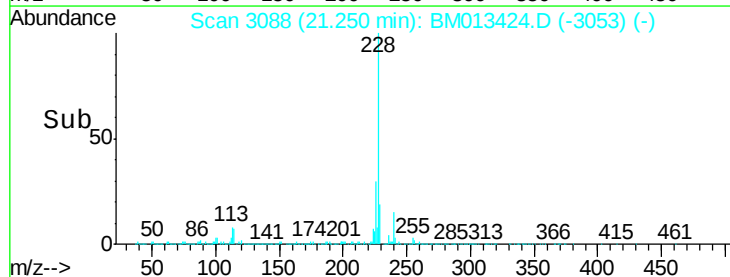
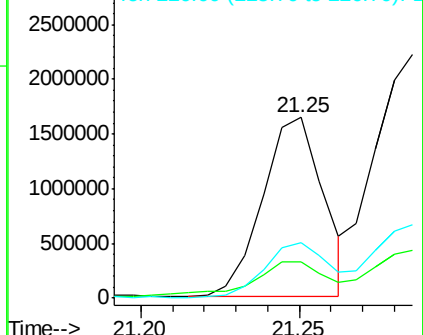
226 30.8 21.4 32.0

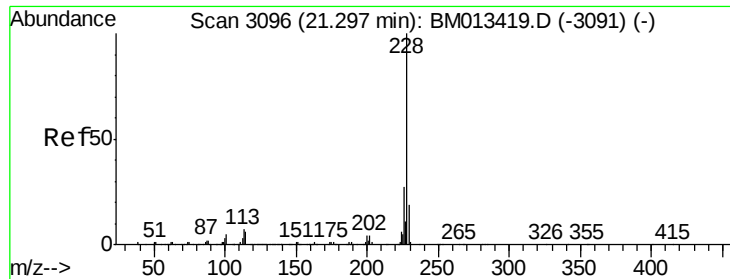


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 116.56 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

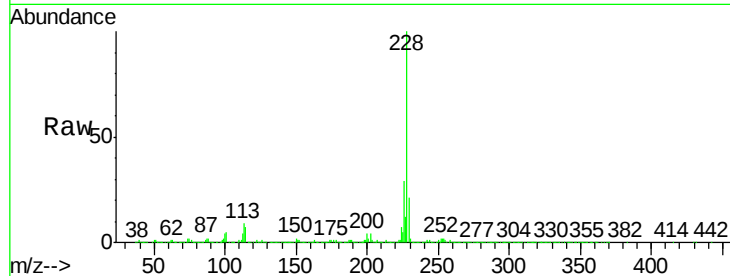
Tgt Ion:228 Resp: 7271163

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

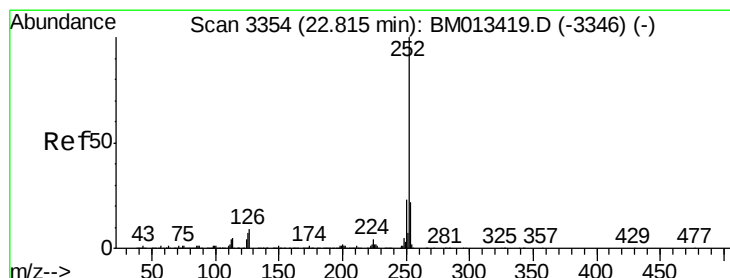
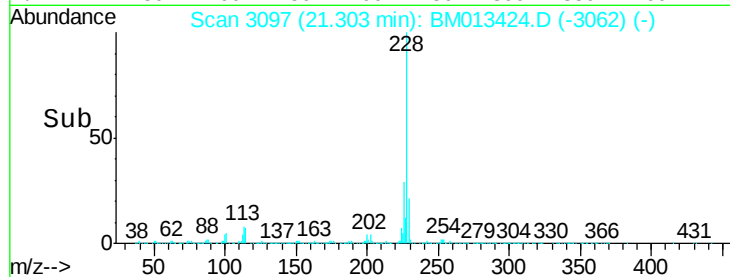
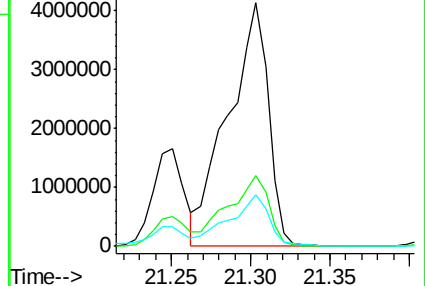
229 21.0 15.5 23.3



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: 156.13 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. 0.02 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

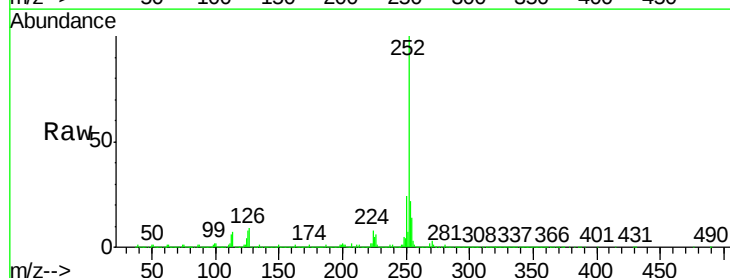
Tgt Ion:252 Resp: 9182206

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

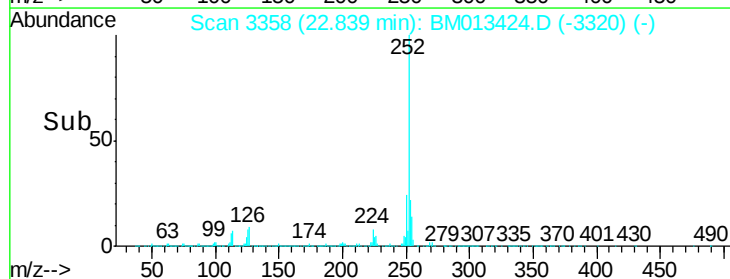
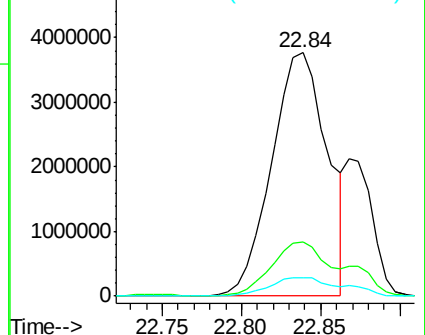
125 7.8 3.6 5.4#

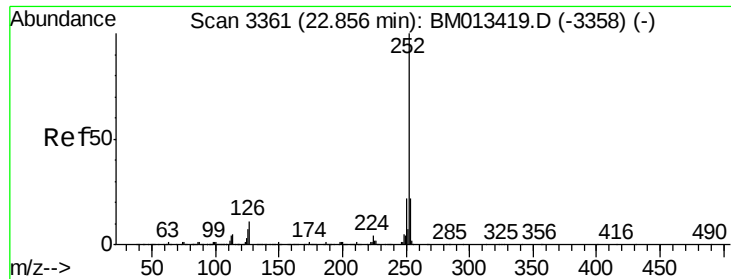


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

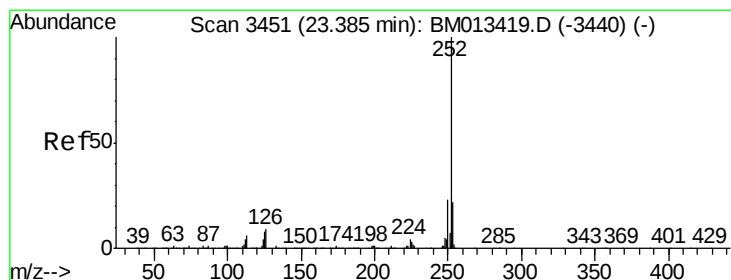
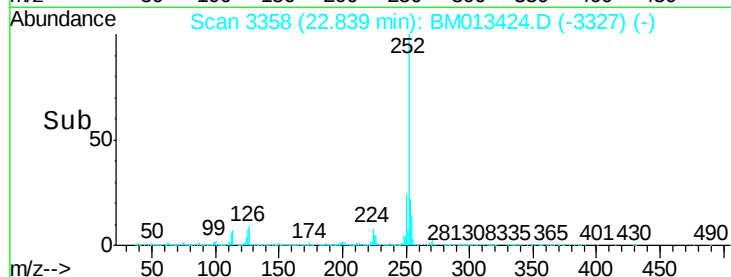
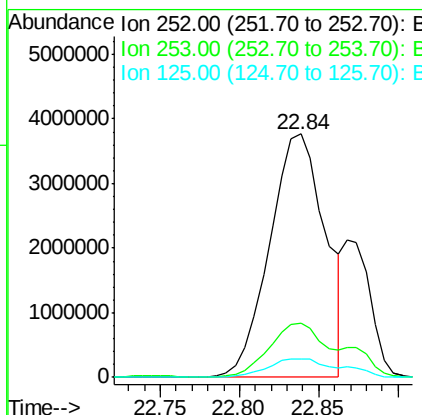
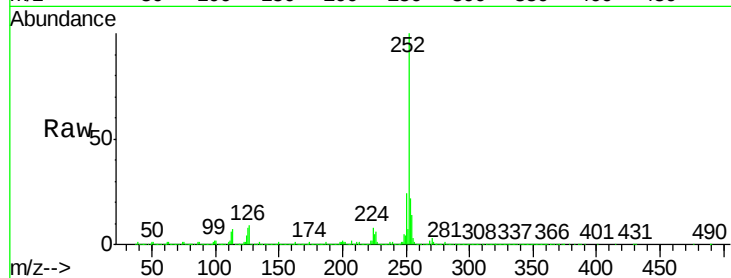




#86
Benzo(k)fluoranthene
Concen: 165.90 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. -0.02 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

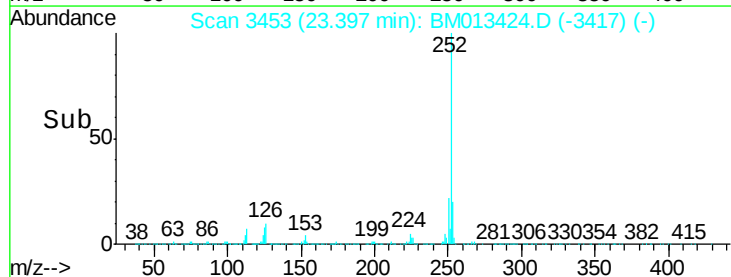
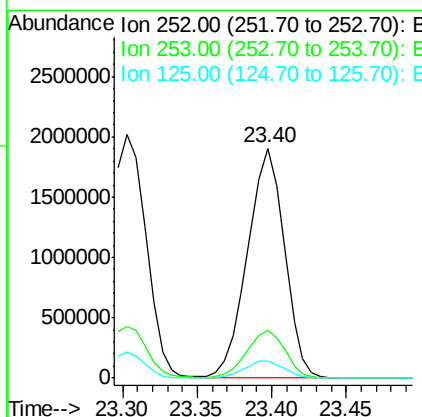
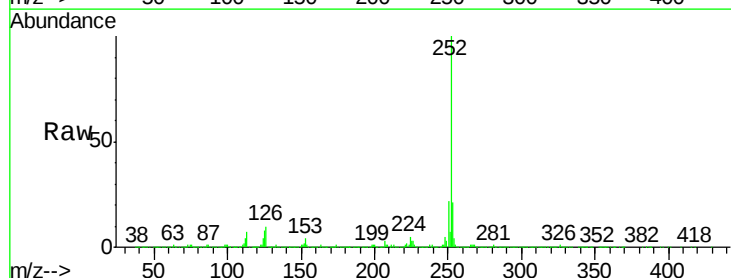
Instrument :
BNA_M
ClientSampleId :
F9A46

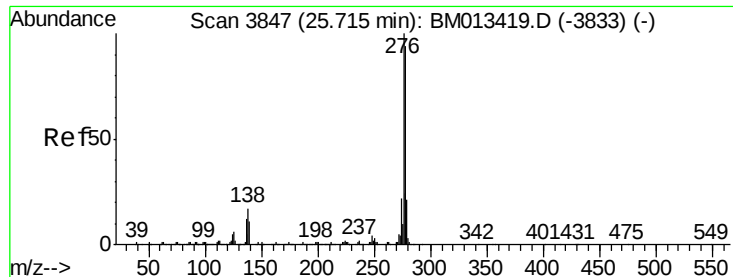
Tgt Ion:252 Resp: 9182206
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 7.8 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 61.56 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BM013424.D
Acq: 15 Dec 2017 04:49

Tgt Ion:252 Resp: 3252173
Ion Ratio Lower Upper
252 100
253 20.7 18.2 27.2
125 7.6 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 34.70 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

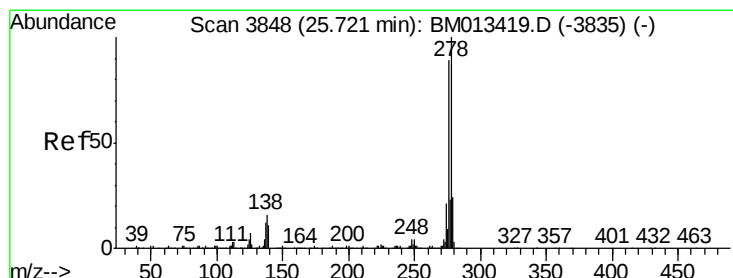
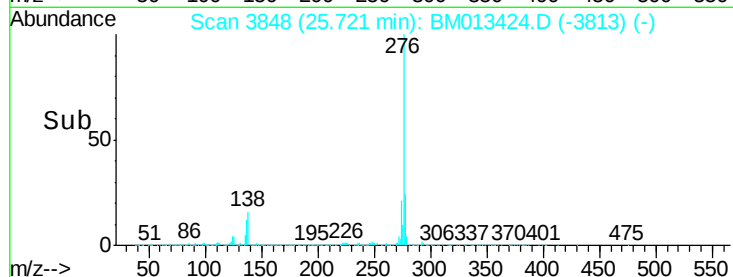
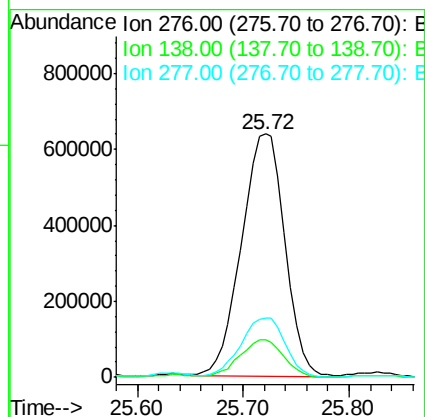
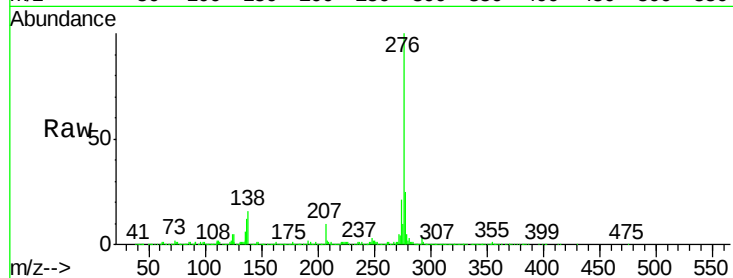
Tgt Ion:276 Resp: 1819010

Ion Ratio Lower Upper

276 100

138 15.6 9.3 13.9#

277 24.5 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 10.90 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.00 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

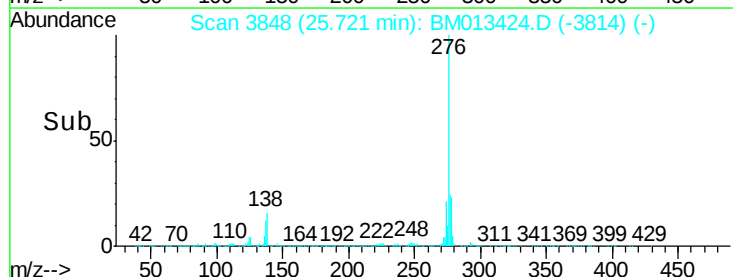
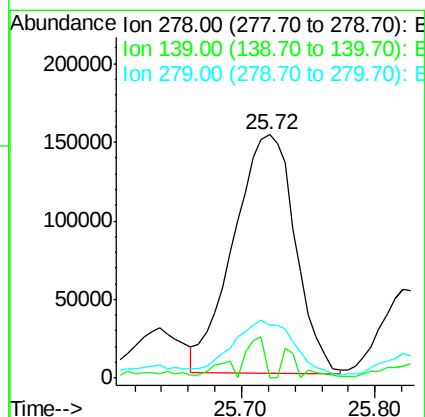
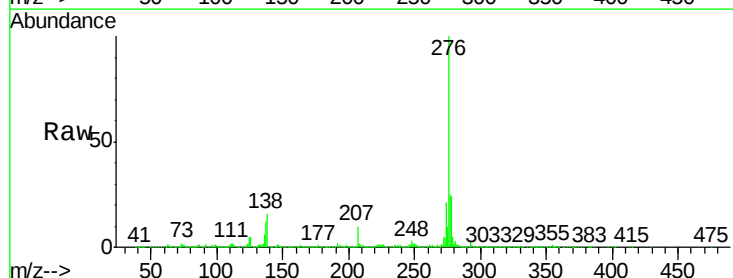
Tgt Ion:278 Resp: 486750

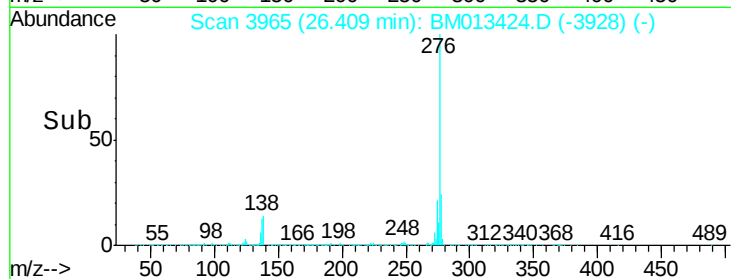
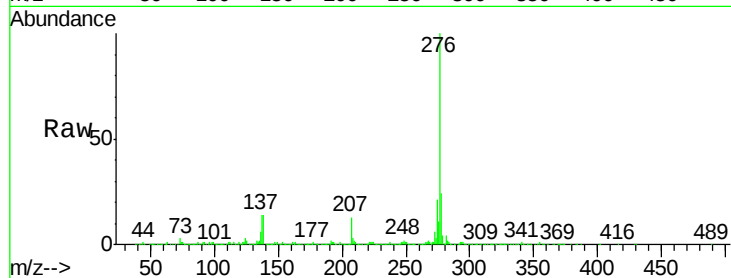
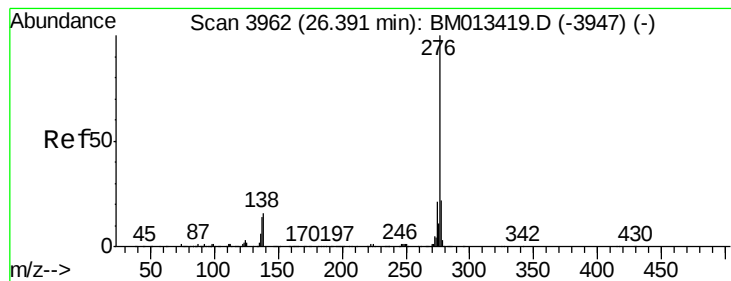
Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

279 21.5 18.6 27.8





#91

Benzo(g,h,i)perylene

Concen: 33.43 ng/ul

RT: 26.41 min Scan# 3965

Delta R.T. 0.02 min

Lab File: BM013424.D

Acq: 15 Dec 2017 04:49

Instrument :

BNA_M

ClientSampleId :

F9A46

Tgt Ion:276 Resp: 1382465

Ion Ratio Lower Upper

276 100

138 14.5 8.5 12.7#

277 24.3 18.6 28.0

