

Data File : BM013481.D
Acq On : 16 Dec 2017 17:46
Operator : SJ/JU
Sample : I6778-10
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A75

Quant Time: Dec 18 03:13:54 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	233759	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1036638	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	601578	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1293929	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	984290	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	840300	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	14424	3.06	ng/uL	0.00
5) Phenol-d5	6.85	99	419430	20.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	258996	22.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	343461	21.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	352121	20.38	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	186039	22.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	204868	23.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	368207	20.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	283888	17.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1186019	22.15	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1448409	21.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	150410	16.17	ng/ul	0.00
57) Fluorene-d10	15.32	176	988684	21.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	87945	10.80	ng/ul	0.00
70) Anthracene-d10	17.16	188	1454143	22.44	ng/ul	0.00
76) Pyrene-d10	19.46	212	1352661	27.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	889060	20.77	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.88	94	43471	2.17	ng/ul#	80
44) Dimethylphthalate	13.78	163	295121	5.76	ng/ul	98
47) Acenaphthylene	14.04	152	550876	9.01	ng/ul	98
69) Phenanthrene	17.11	178	177312	2.41	ng/ul	96
71) Anthracene	17.20	178	446899	5.95	ng/ul	99
74) Fluoranthene	19.13	202	1055105	11.71	ng/ul#	92
77) Pyrene	19.49	202	1321254	22.10	ng/ul#	89
80) Benzo(a)anthracene	21.30	228	863440	13.83	ng/ul	93
82) Chrysene	21.30	228	863440	14.90	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	1615732	28.52	ng/ul#	98
86) Benzo(k)fluoranthene	22.82	252	1615732	30.31	ng/ul#	97
88) Benzo(a)pyrene	23.39	252	971712	19.10	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	738906	14.63	ng/ul	97
90) Dibenzo(a,h)anthracene	25.71	278	220230	5.12	ng/ul#	81
91) Benzo(g,h,i)perylene	26.40	276	614284	15.42	ng/ul#	91

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

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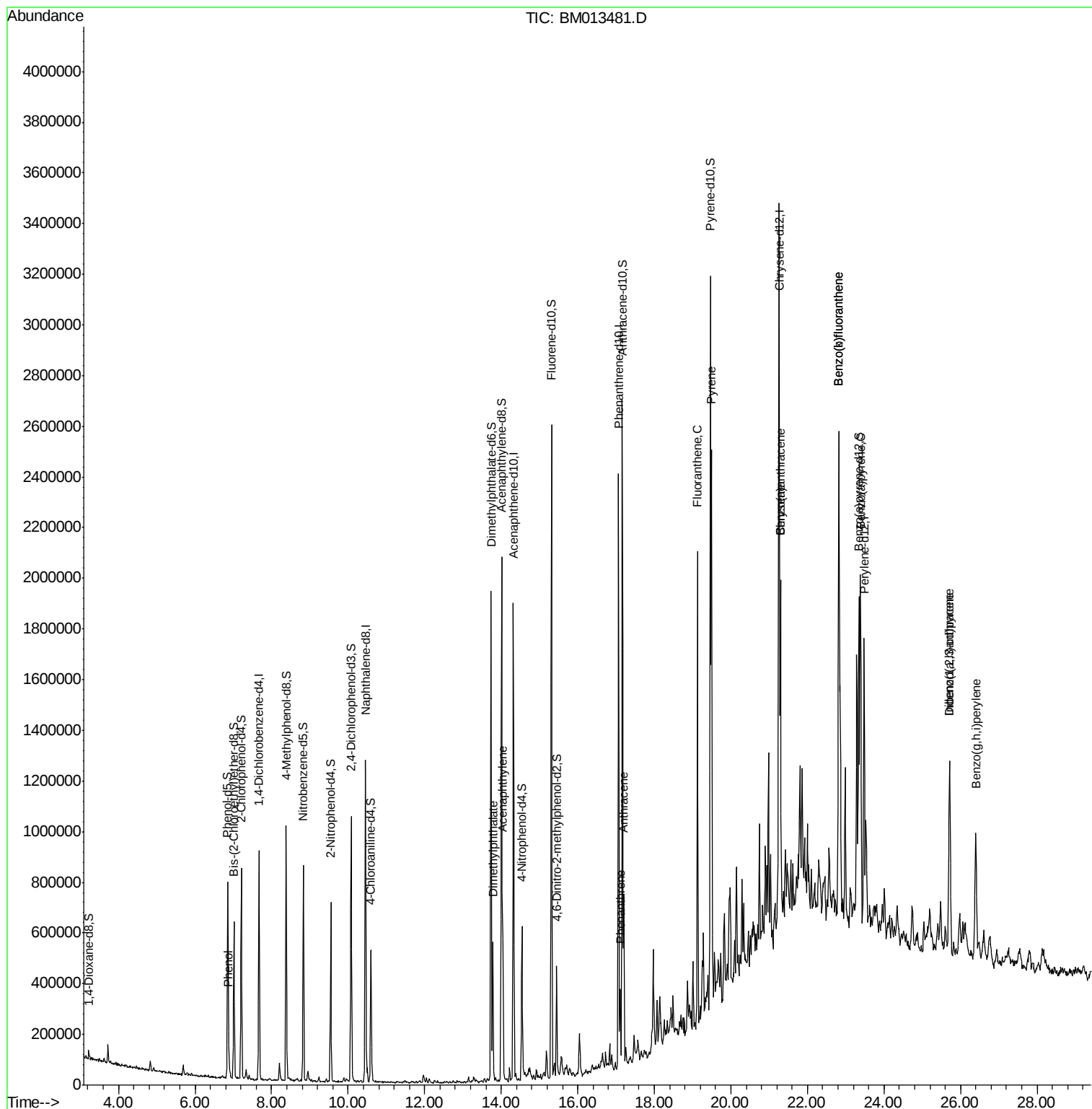
Quant Time: Dec 18 03:13:54 2017

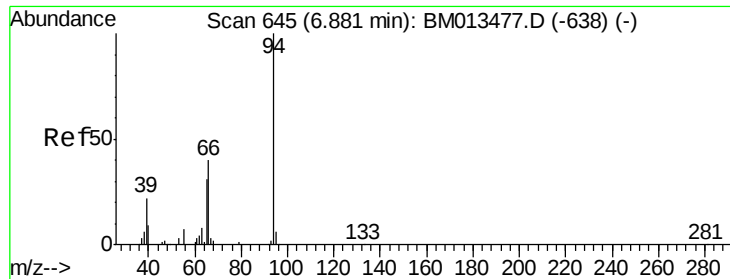
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Dec 18 03:13:05 2017

Response via : Initial Calibration





#6

Phenol

Concen: 2.17 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

Instrument :

BNA_M

ClientSampleId :

F9A75

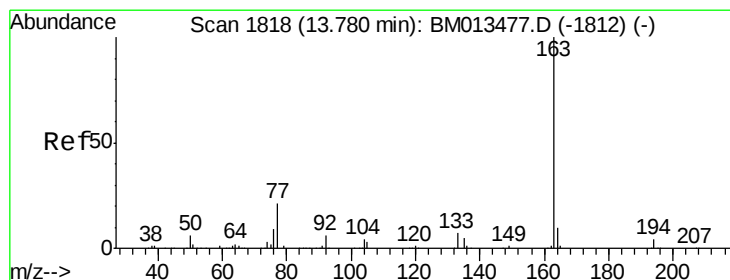
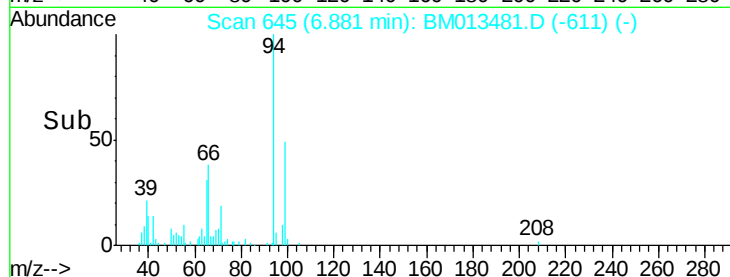
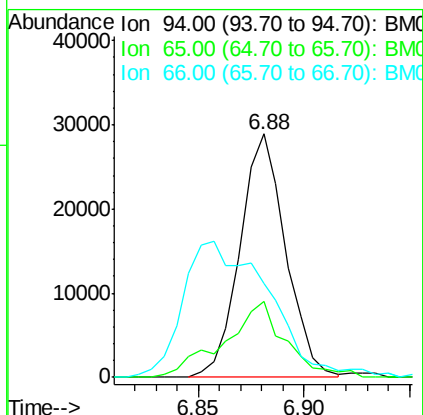
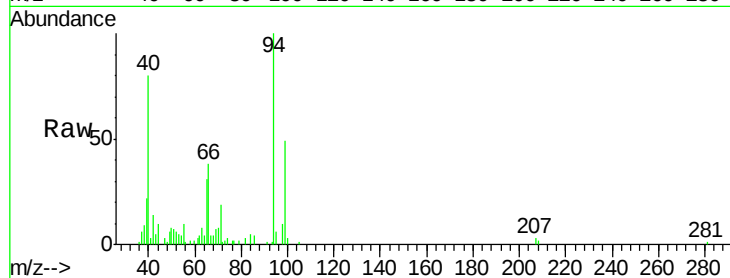
Tgt Ion: 94 Resp: 43471

Ion Ratio Lower Upper

94 100

65 31.4 28.2 42.4

66 38.5 47.2 70.8#



#44

Dimethylphthalate

Concen: 5.76 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

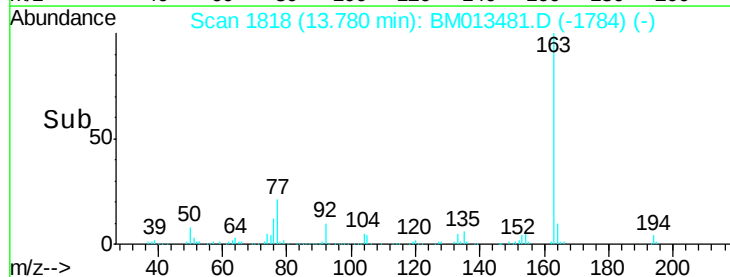
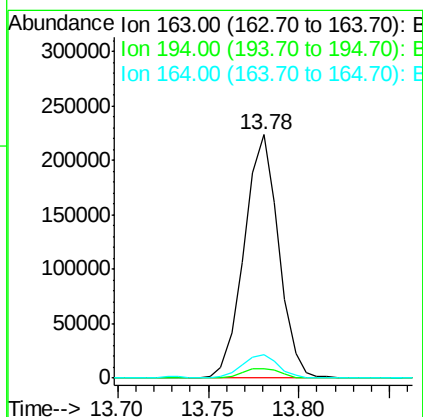
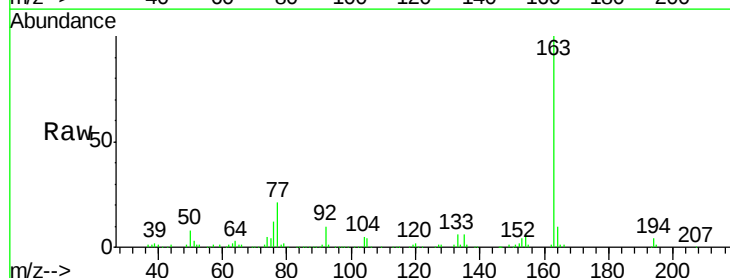
Tgt Ion: 163 Resp: 295121

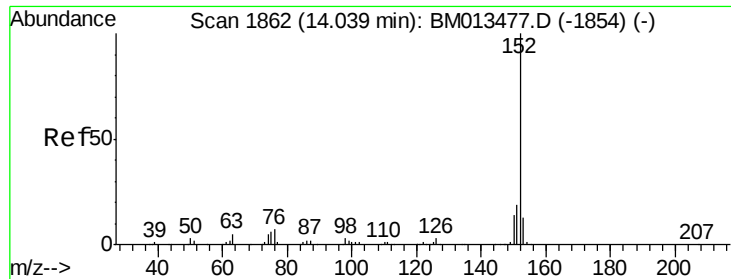
Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

164 9.8 8.2 12.4





#47

Acenaphthylene

Concen: 9.01 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

Instrument :

BNA_M

ClientSampleId :

F9A75

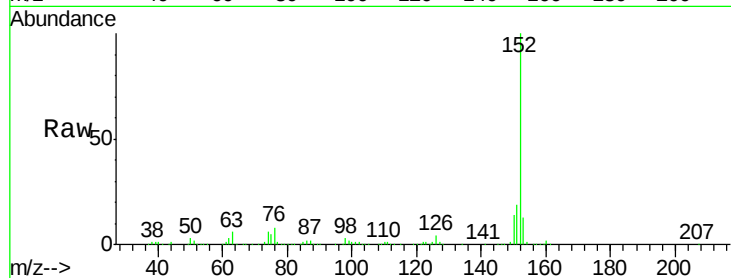
Tgt Ion:152 Resp: 550876

Ion Ratio Lower Upper

152 100

151 18.9 16.3 24.5

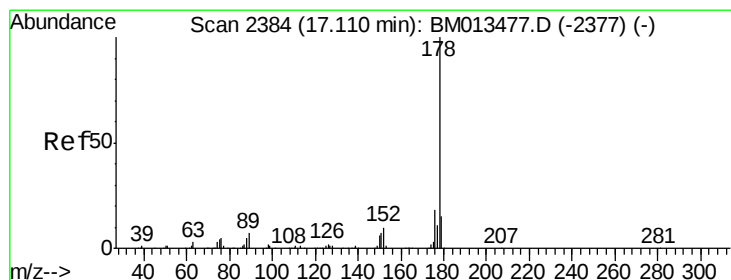
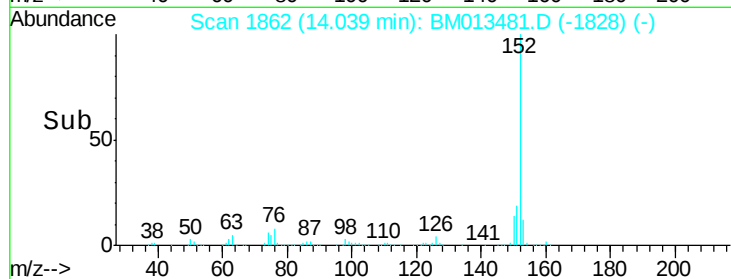
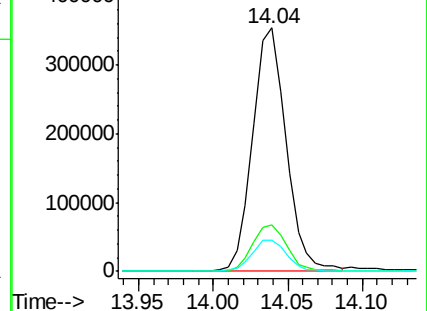
153 12.6 10.2 15.4



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: 2.41 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

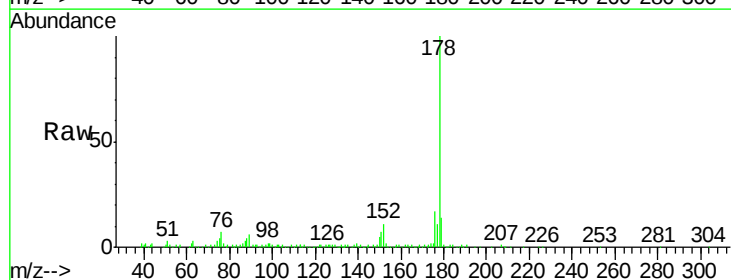
Tgt Ion:178 Resp: 177312

Ion Ratio Lower Upper

178 100

179 14.2 12.6 19.0

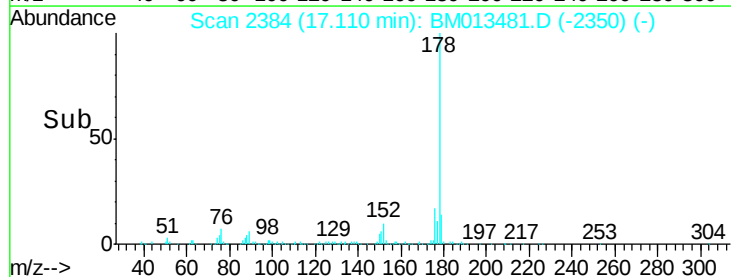
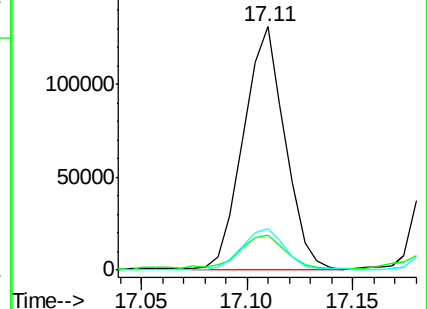
176 16.9 14.9 22.3

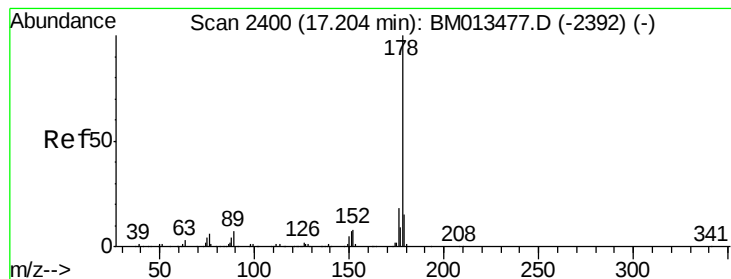


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.95 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

Instrument :

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ClientSampleId :

F9A75

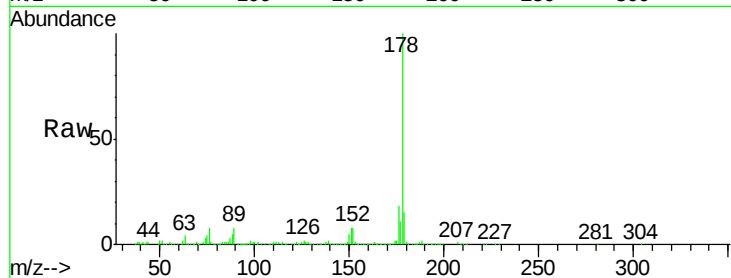
Tgt Ion:178 Resp: 446899

Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

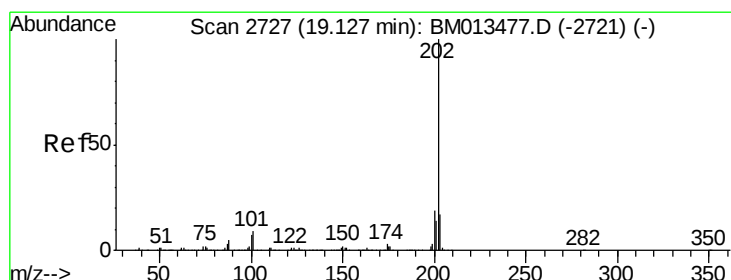
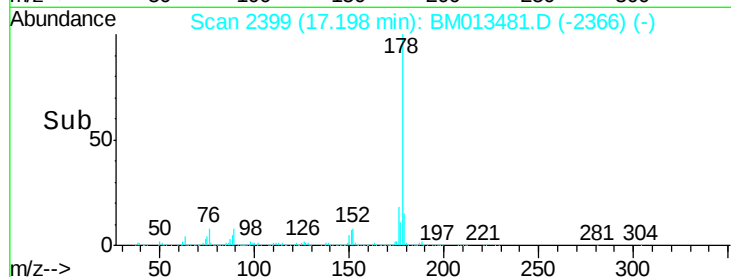
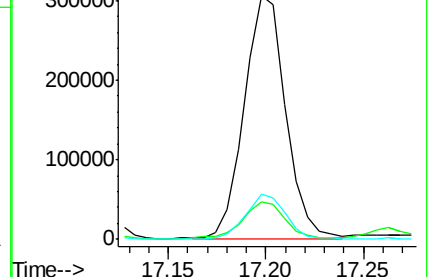
176 18.5 14.6 21.8



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



#74

Fluoranthene

Concen: 11.71 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

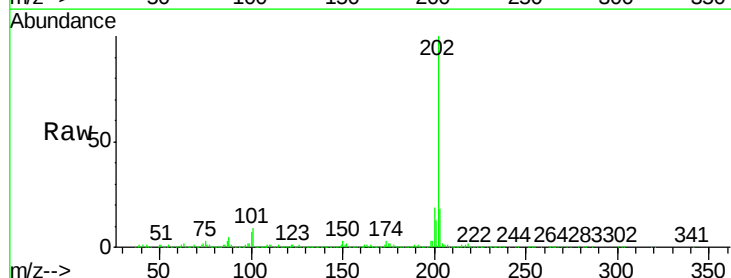
Tgt Ion:202 Resp: 1055105

Ion Ratio Lower Upper

202 100

101 8.5 4.6 7.0#

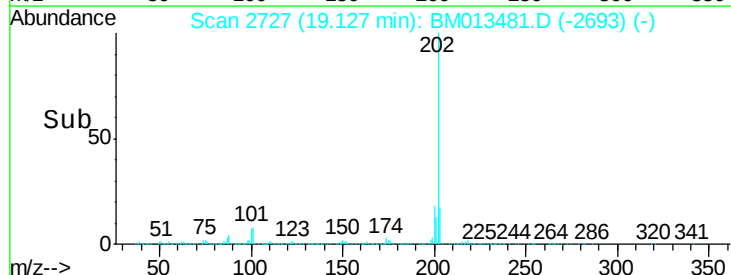
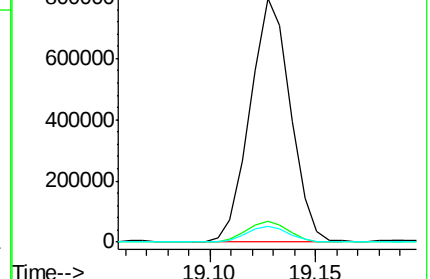
100 6.7 3.4 5.2#

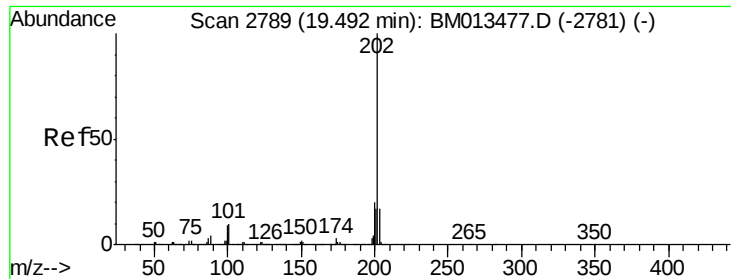


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 22.10 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

Instrument :

BNA_M

ClientSampleId :

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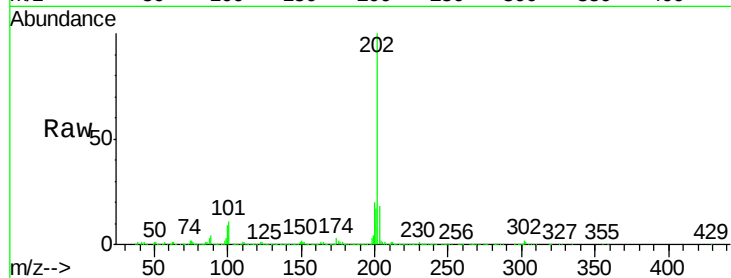
Tgt Ion:202 Resp: 1321254

Ion Ratio Lower Upper

202 100

101 10.9 5.1 7.7#

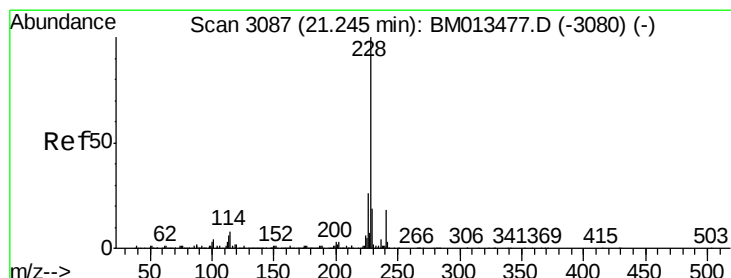
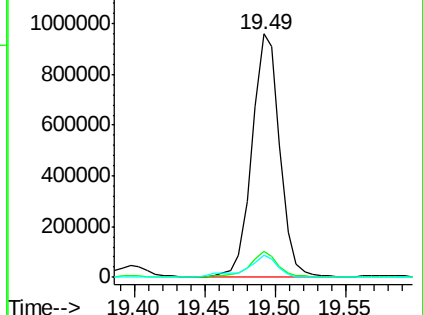
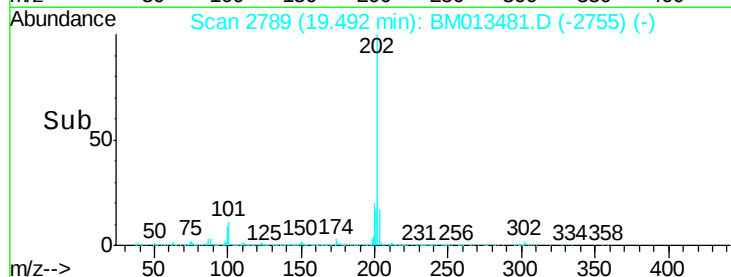
100 8.9 4.9 7.3#



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: 13.83 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.05 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

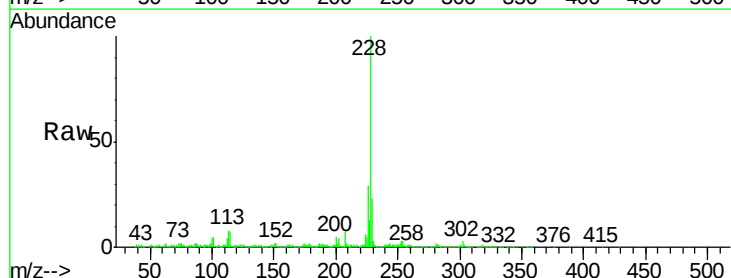
Tgt Ion:228 Resp: 863440

Ion Ratio Lower Upper

228 100

229 22.9 15.4 23.0

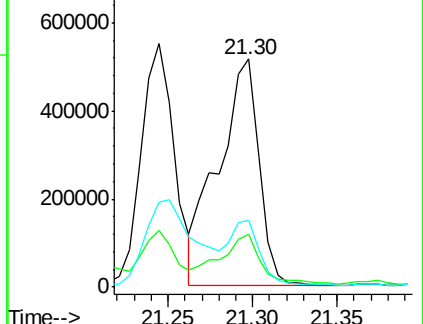
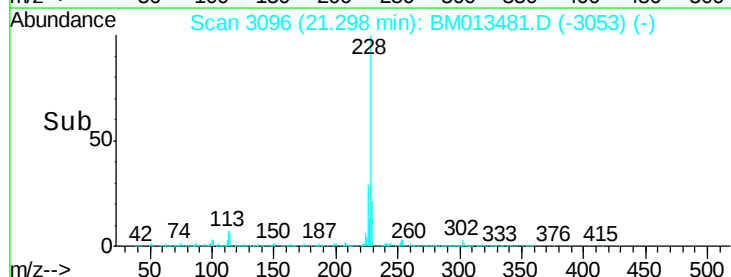
226 29.5 21.4 32.0

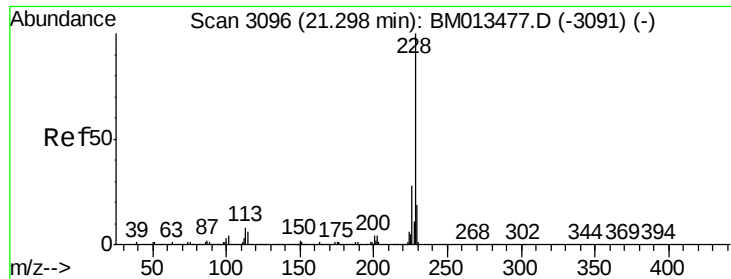


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.90 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

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ClientSampleId :

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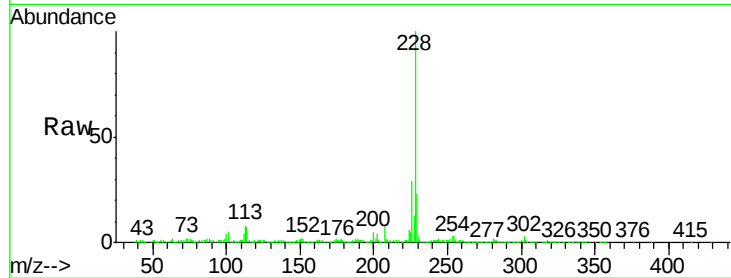
Tgt Ion:228 Resp: 863440

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

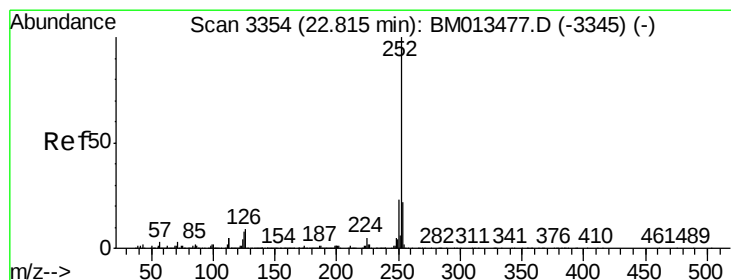
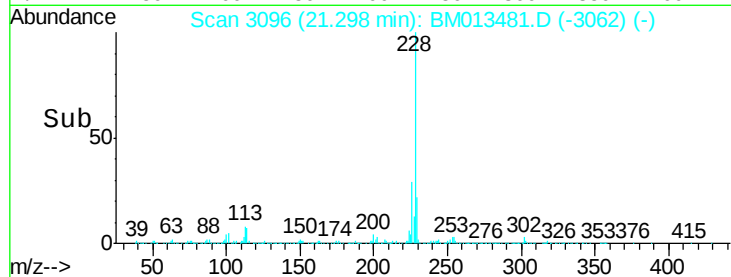
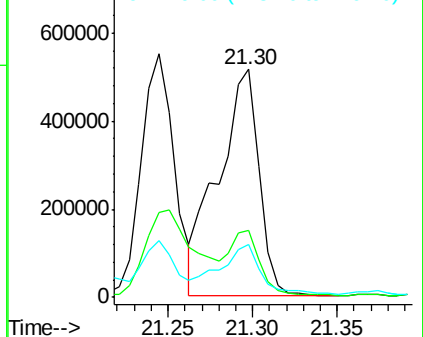
229 22.9 15.5 23.3



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: 28.52 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

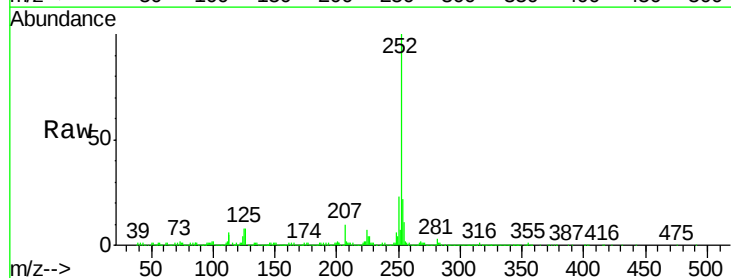
Tgt Ion:252 Resp: 1615732

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

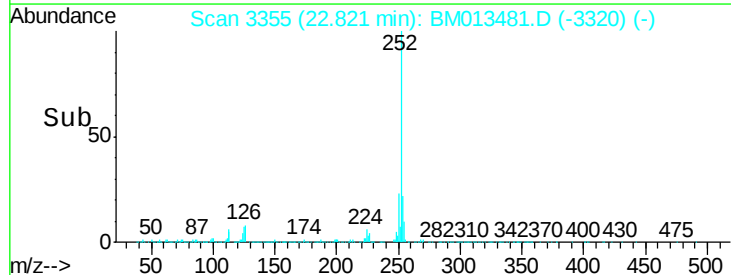
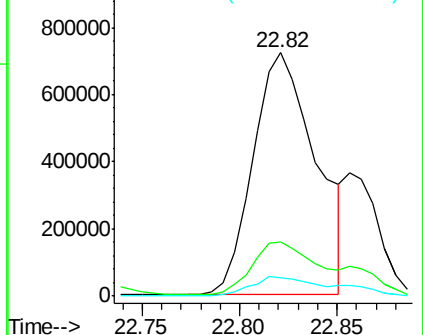
125 7.7 3.6 5.4#

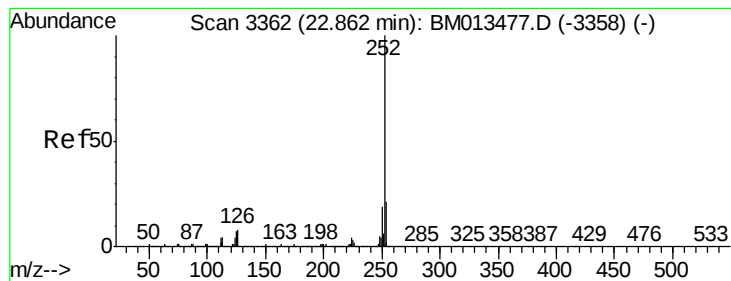


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 30.31 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

Instrument :

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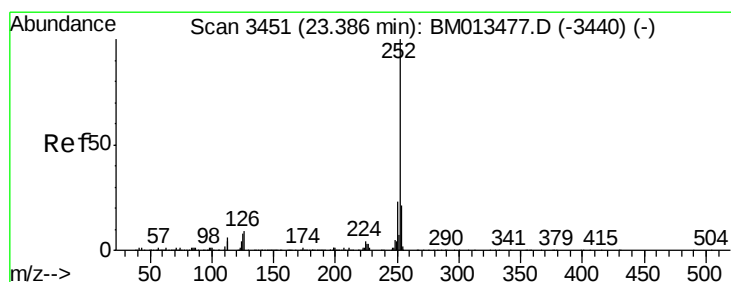
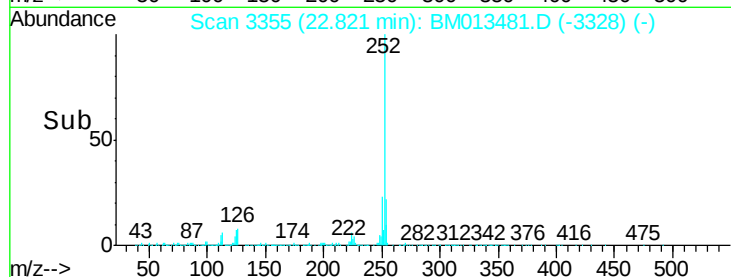
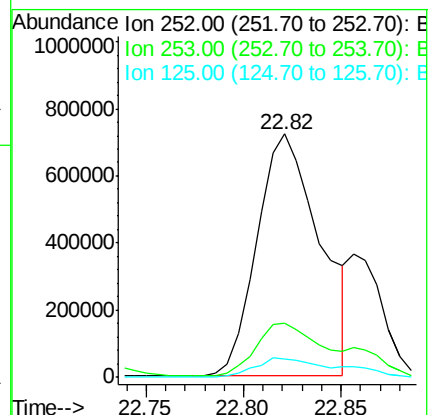
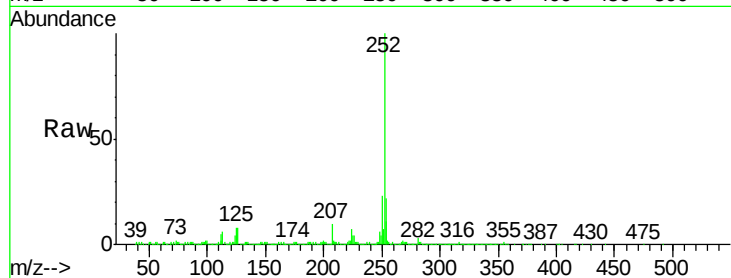
Tgt Ion:252 Resp: 1615732

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 7.7 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 19.10 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

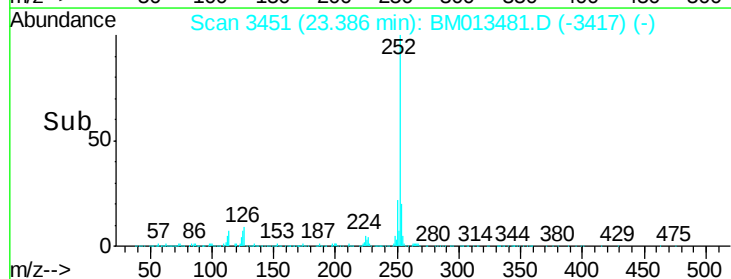
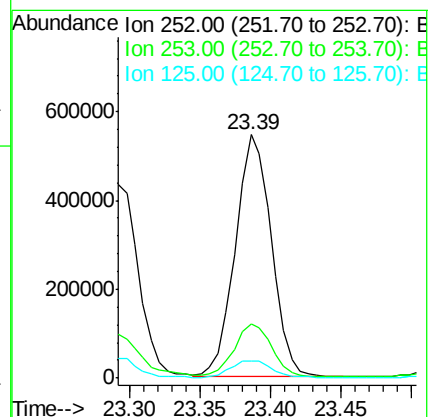
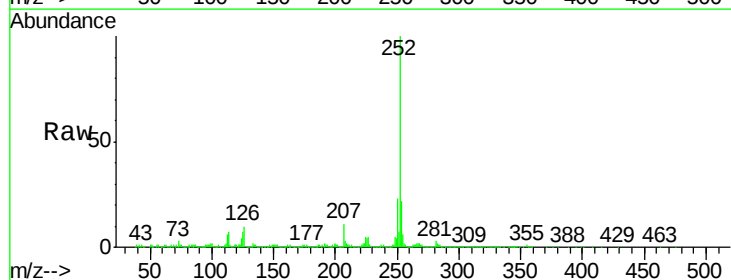
Tgt Ion:252 Resp: 971712

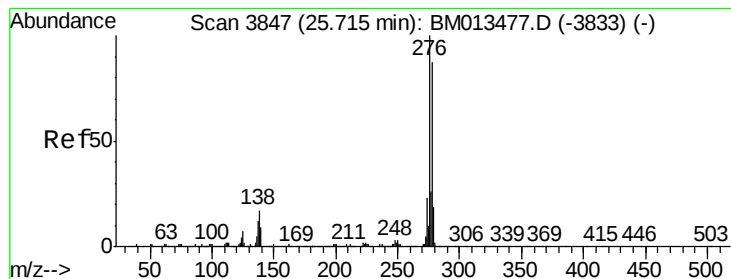
Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 6.9 4.0 6.0#

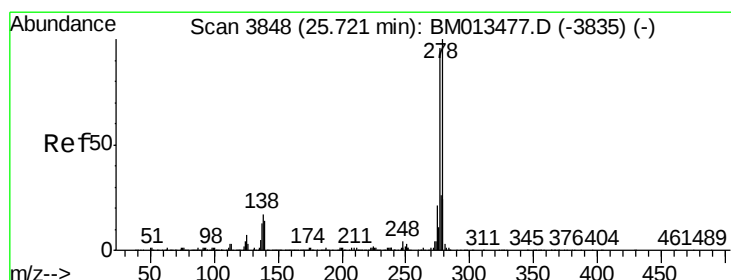
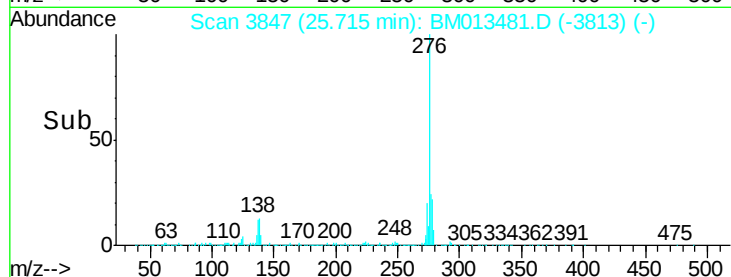
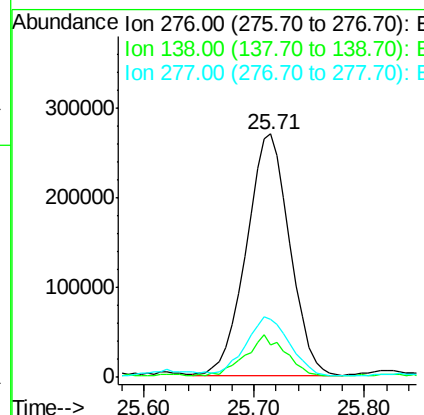
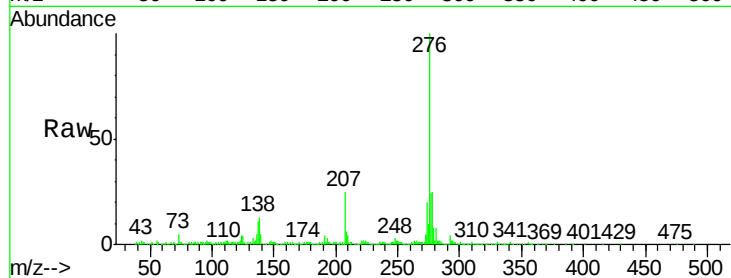




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 14.63 ng/ul
 RT: 25.71 min Scan# 3847
 Delta R.T. -0.00 min
 Lab File: BM013481.D
 Acq: 16 Dec 2017 17:46

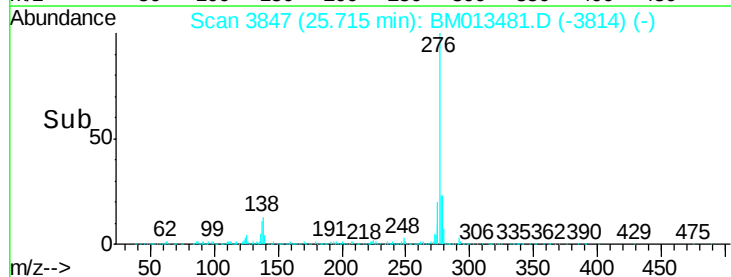
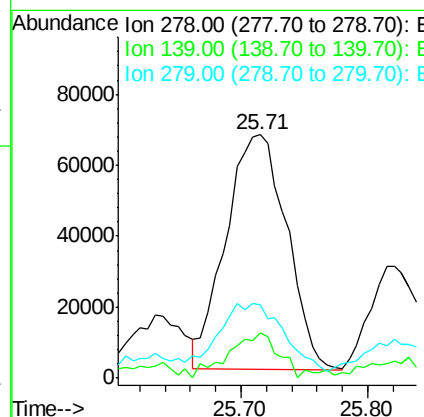
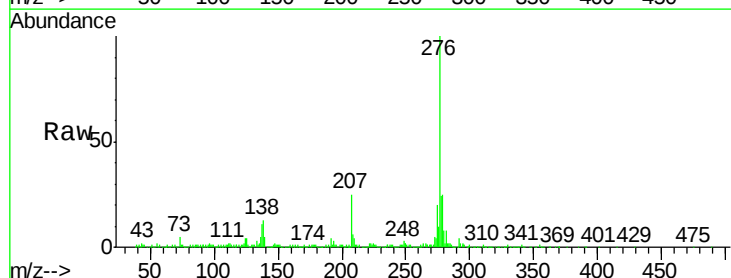
Instrument :
 BNA_M
 ClientSampleId :
 F9A75

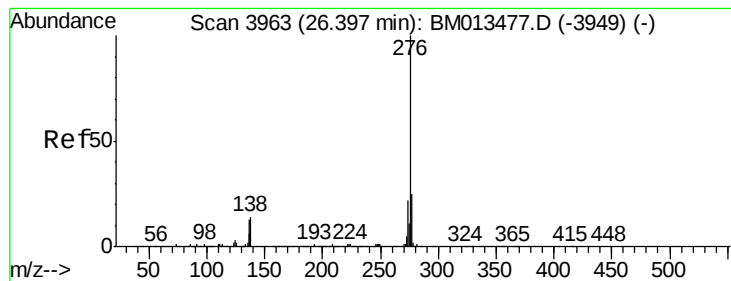
Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	9.3	13.9
277	23.9	19.9	29.9



#90
 Dibenzo(a,h)anthracene
 Concen: 5.12 ng/ul
 RT: 25.71 min Scan# 3847
 Delta R.T. -0.01 min
 Lab File: BM013481.D
 Acq: 16 Dec 2017 17:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	5.8	8.8#
279	30.2	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 15.42 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. -0.00 min

Lab File: BM013481.D

Acq: 16 Dec 2017 17:46

Instrument :

BNA_M

ClientSampleId :

F9A75

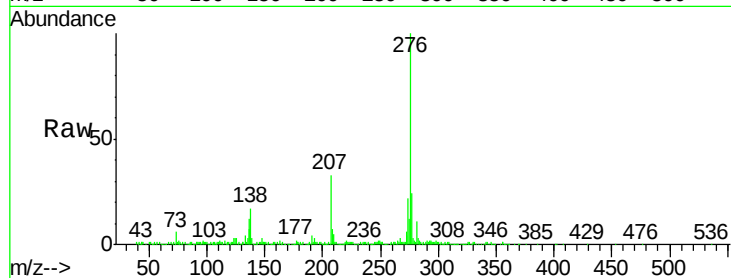
Tgt Ion: 276 Resp: 614284

Ion Ratio Lower Upper

276 100

138 19.9 8.5 12.7#

277 24.3 18.6 28.0



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

