

Data File : BM013480.D
Acq On : 16 Dec 2017 17:10
Operator : SJ/JU
Sample : I6776-14
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A43

Quant Time: Dec 18 03:13:36 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	235969	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1009343	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	586677	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1233956	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	910677	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	825392	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	15951	3.35	ng/uL	0.00
5) Phenol-d5	6.85	99	381573	18.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	216343	18.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	302153	18.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	320823	18.39	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	160159	20.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	174571	20.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	332382	18.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	230730	14.22	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1070802	20.51	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1336059	20.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	127273	14.03	ng/ul	0.00
57) Fluorene-d10	15.32	176	892276	19.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	92490	11.91	ng/ul	0.00
70) Anthracene-d10	17.16	188	1335122	21.60	ng/ul	0.00
76) Pyrene-d10	19.46	212	1243926	27.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	874803	20.81	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.88	94	75566	3.74	ng/ul#	79
28) Naphthalene	10.50	128	69900	1.35	ng/ul#	93
34) 2-Methylnaphthalene	12.12	142	41023	1.05	ng/ul	92
44) Dimethylphthalate	13.78	163	242674	4.86	ng/ul	99
47) Acenaphthylene	14.04	152	568804	9.54	ng/ul	98
53) Dibenzofuran	14.72	168	69836	1.16	ng/ul	96
69) Phenanthrene	17.11	178	361440	5.16	ng/ul	99
71) Anthracene	17.20	178	914906	12.77	ng/ul	99
74) Fluoranthene	19.13	202	590761	6.88	ng/ul#	94
77) Pyrene	19.49	202	709822	12.83	ng/ul#	91
80) Benzo(a)anthracene	21.30	228	702445	12.16	ng/ul	97
82) Chrysene	21.30	228	702445	13.10	ng/ul	99
85) Benzo(b)fluoranthene	22.83	252	2167291	38.95	ng/ul#	96
86) Benzo(k)fluoranthene	22.83	252	2167291	41.39	ng/ul#	98
88) Benzo(a)pyrene	23.39	252	875548	17.52	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.72	276	1121839	22.62	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.72	278	346573	8.21	ng/ul#	92
91) Benzo(g,h,i)perylene	26.40	276	891540	22.79	ng/ul#	96

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

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BNA_M

ClientSampled :

F9A43

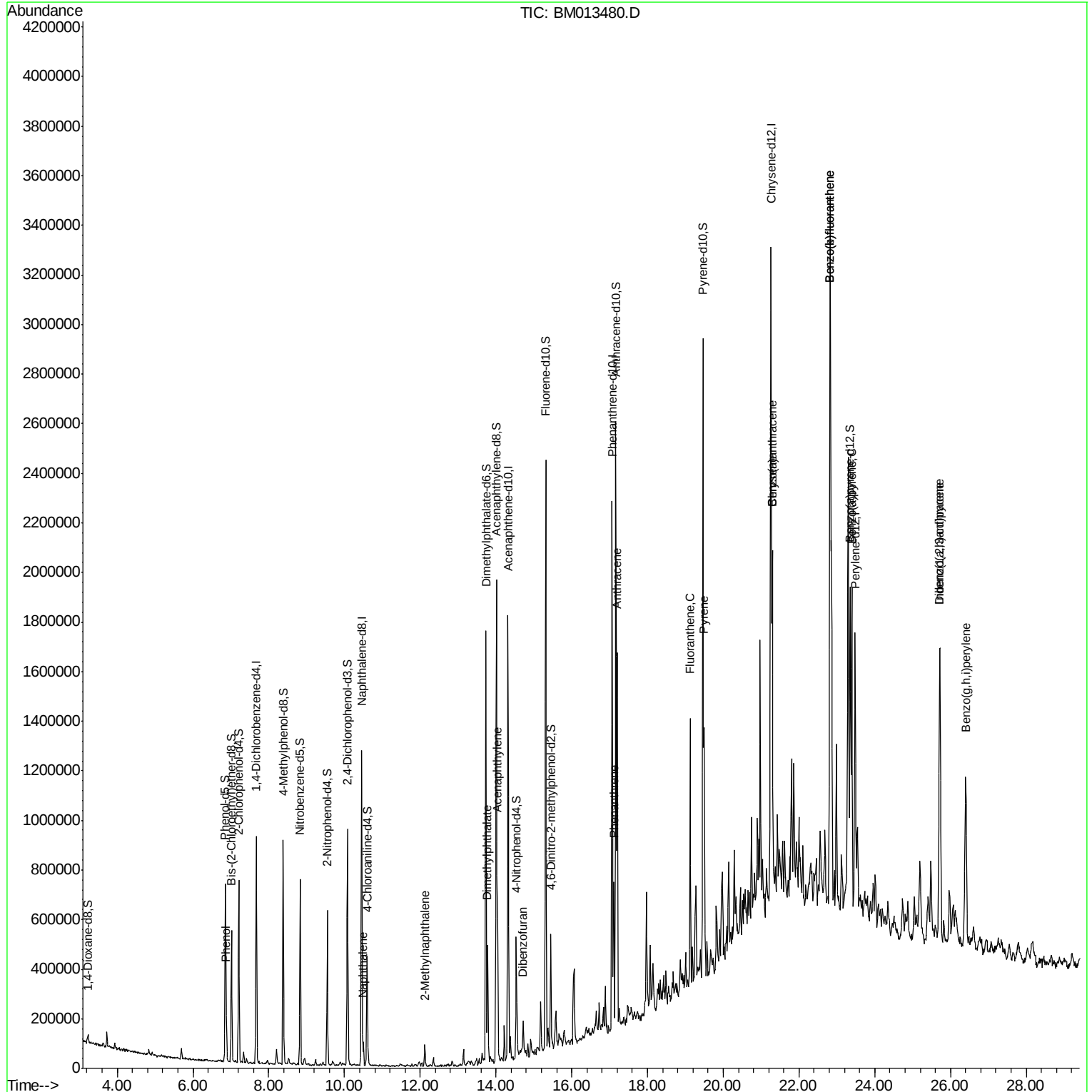
Quant Time: Dec 18 03:13:36 2017

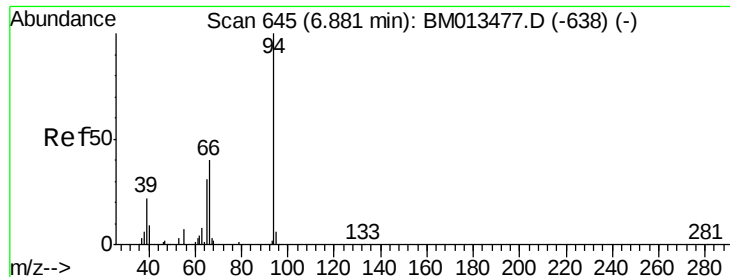
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#6

Phenol

Concen: 3.74 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

Instrument :

BNA_M

ClientSampleId :

F9A43

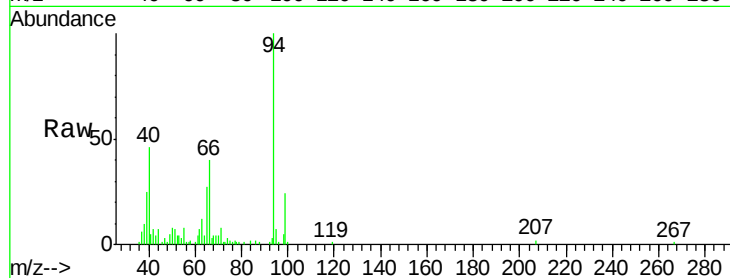
Tgt Ion: 94 Resp: 75566

Ion Ratio Lower Upper

94 100

65 27.1 28.2 42.4#

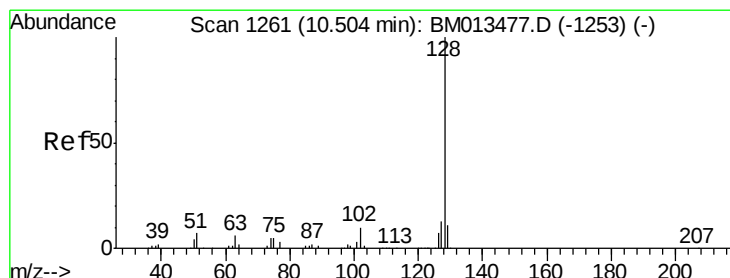
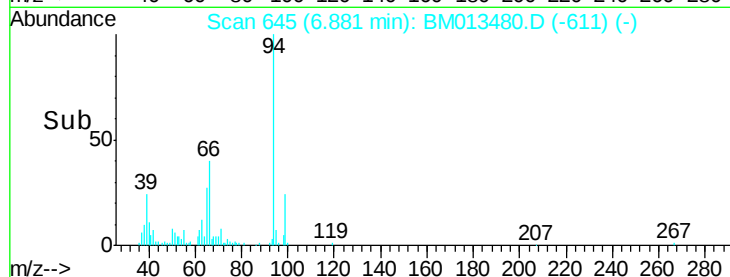
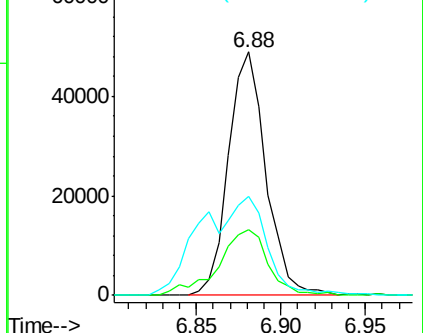
66 40.5 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013477.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM013477.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM013477.D (-638) (-)



#28

Naphthalene

Concen: 1.35 ng/ul

RT: 10.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

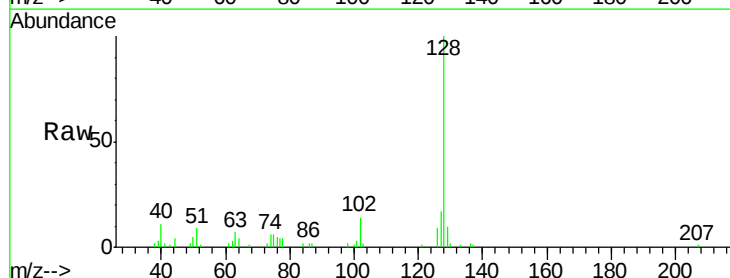
Tgt Ion: 128 Resp: 69900

Ion Ratio Lower Upper

128 100

129 9.7 8.8 13.2

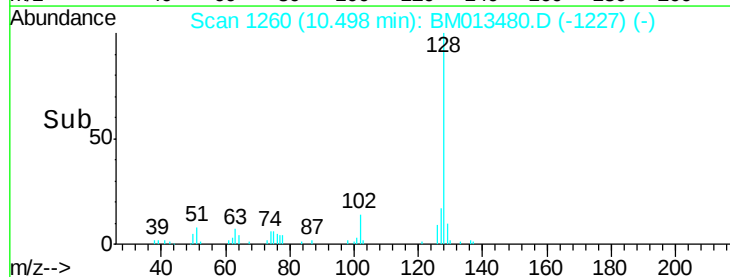
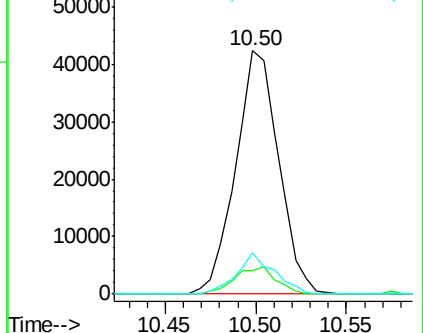
127 17.1 10.6 16.0#

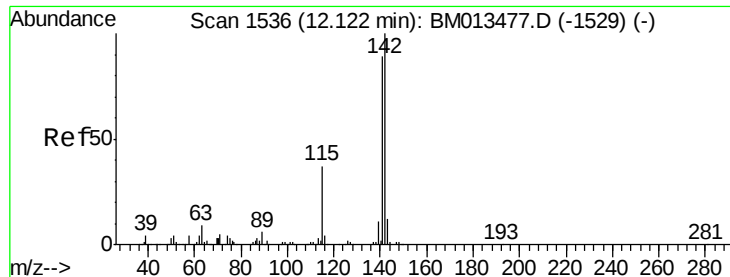


Abundance Ion 128.00 (127.70 to 128.70): BM013477.D (-1253) (-)

Ion 129.00 (128.70 to 129.70): BM013477.D (-1253) (-)

Ion 127.00 (126.70 to 127.70): BM013477.D (-1253) (-)

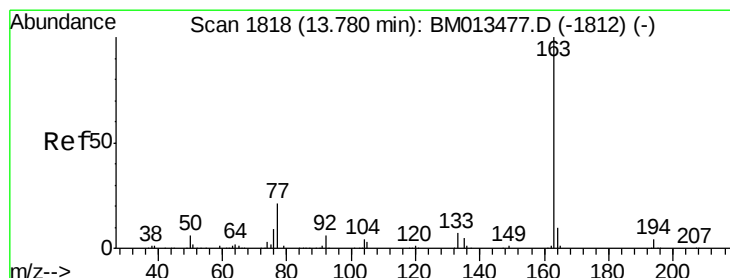
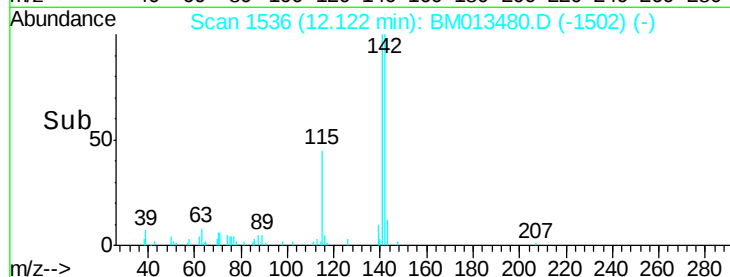
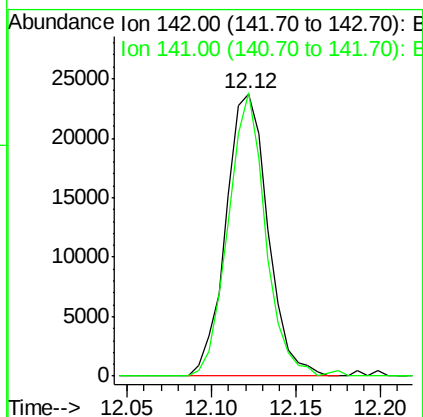
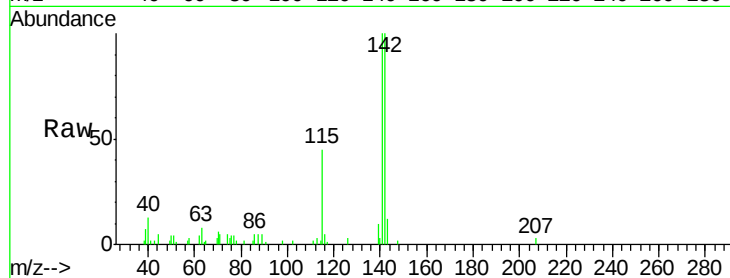




#34
 2-Methylnaphthalene
 Concen: 1.05 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BM013480.D
 Acq: 16 Dec 2017 17:10

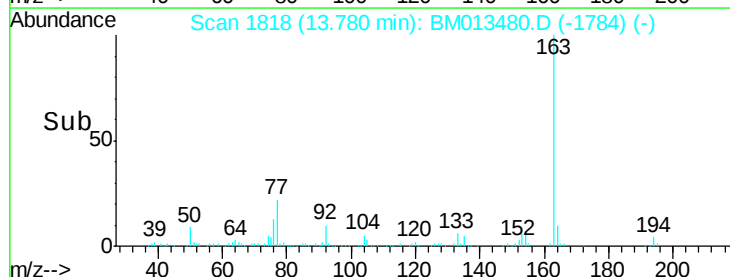
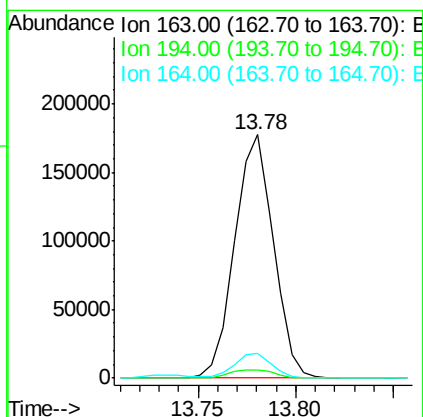
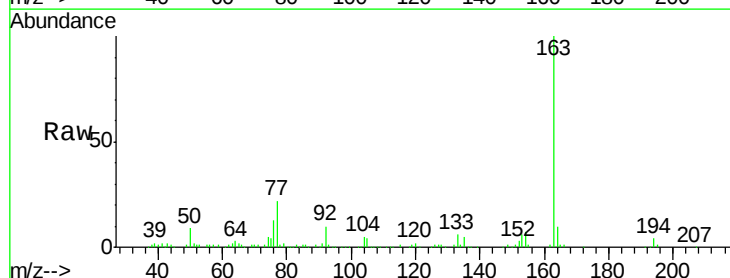
Instrument :
 BNA_M
 ClientSampleId :
 F9A43

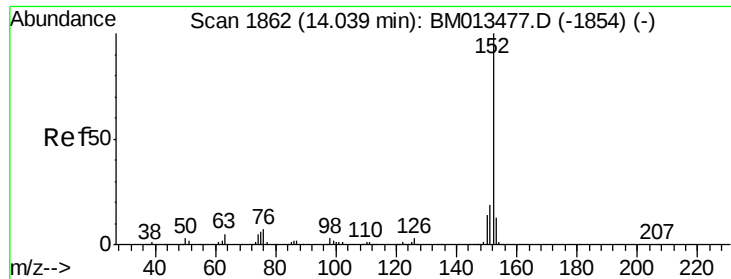
Tgt Ion:142 Resp: 41023
 Ion Ratio Lower Upper
 142 100
 141 100.2 74.1 111.1



#44
 Dimethylphthalate
 Concen: 4.86 ng/ul
 RT: 13.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BM013480.D
 Acq: 16 Dec 2017 17:10

Tgt Ion:163 Resp: 242674
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.5 5.3
 164 10.0 8.2 12.4

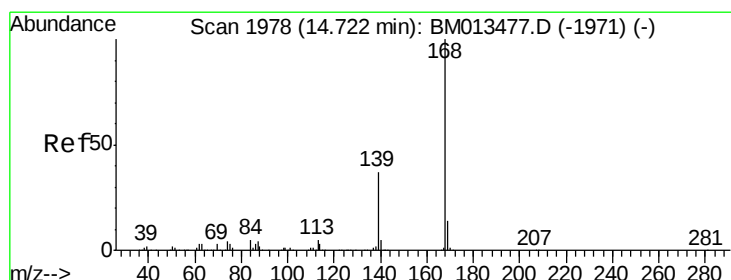
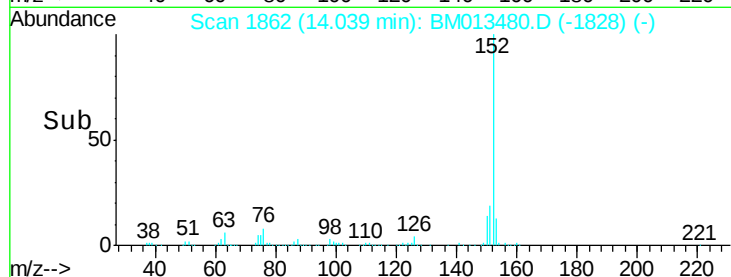
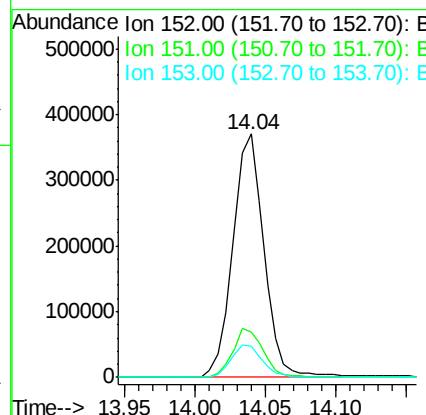
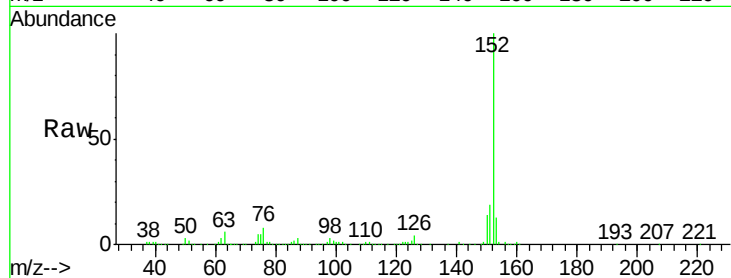




#47
Acenaphthylene
Concen: 9.54 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013480.D
Acq: 16 Dec 2017 17:10

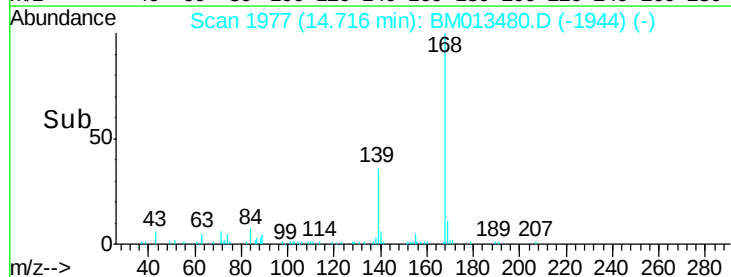
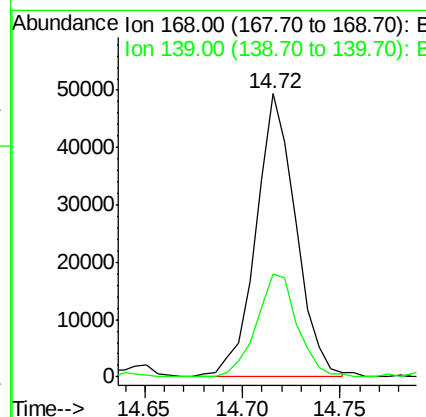
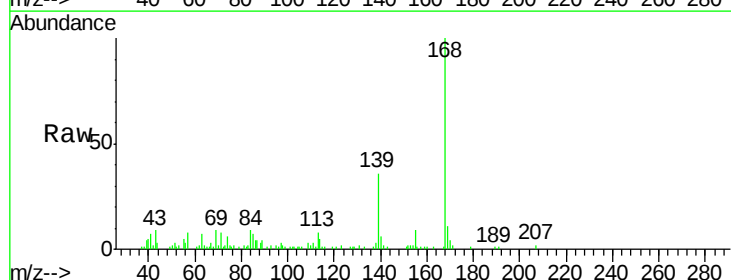
Instrument :
BNA_M
ClientSampleId :
F9A43

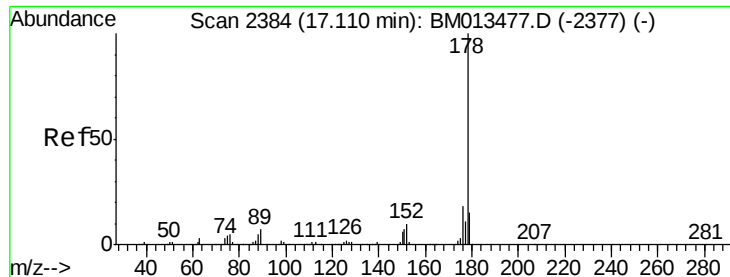
Tgt Ion:152 Resp: 568804
Ion Ratio Lower Upper
152 100
151 18.8 16.3 24.5
153 12.6 10.2 15.4



#53
Dibenzofuran
Concen: 1.16 ng/ul
RT: 14.72 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BM013480.D
Acq: 16 Dec 2017 17:10

Tgt Ion:168 Resp: 69836
Ion Ratio Lower Upper
168 100
139 36.3 30.8 46.2





#69

Phenanthrene

Concen: 5.16 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

Instrument :

BNA_M

ClientSampleId :

F9A43

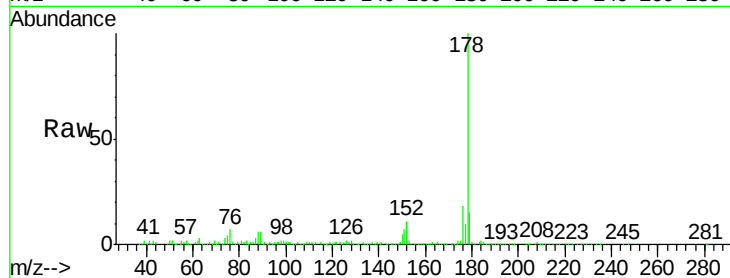
Tgt Ion:178 Resp: 361440

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

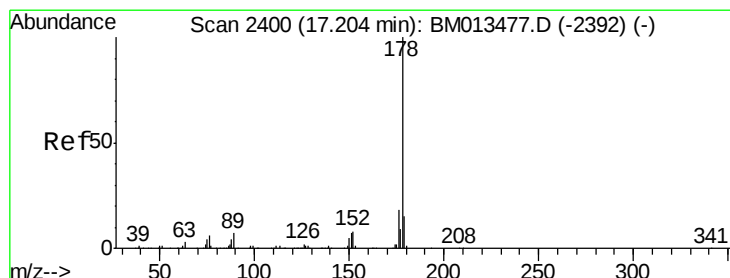
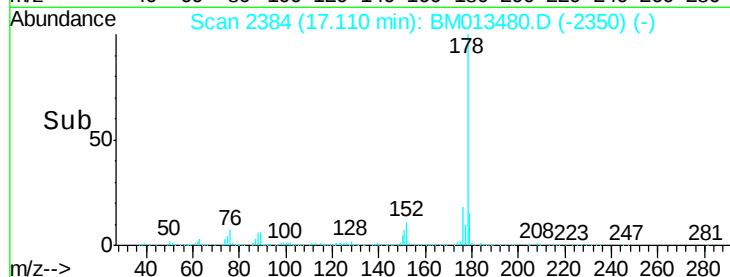
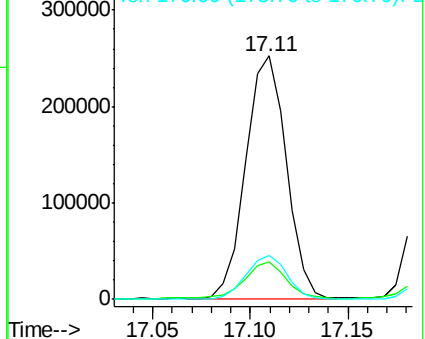
176 18.0 14.9 22.3



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: 12.77 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

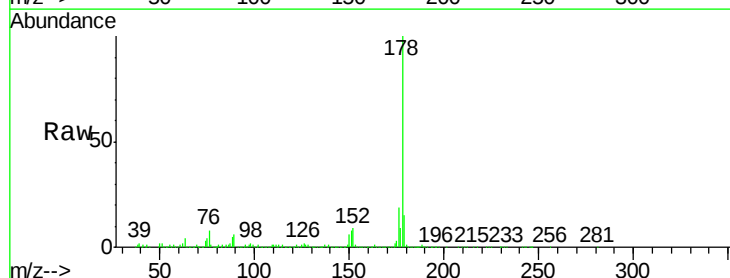
Tgt Ion:178 Resp: 914906

Ion Ratio Lower Upper

178 100

179 14.9 11.7 17.5

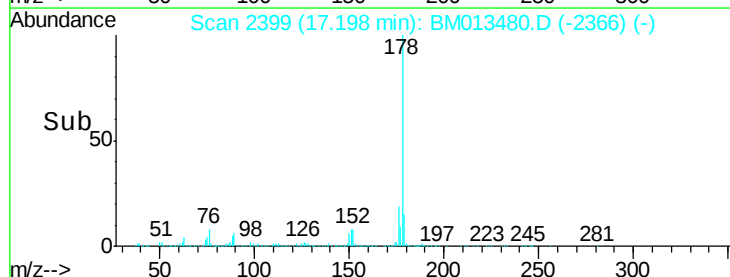
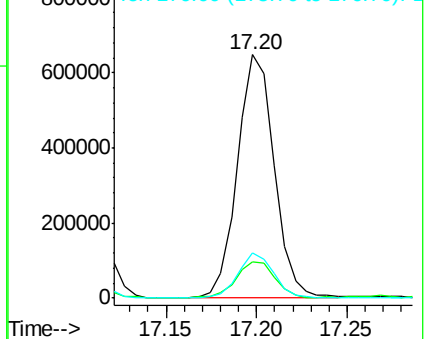
176 18.7 14.6 21.8

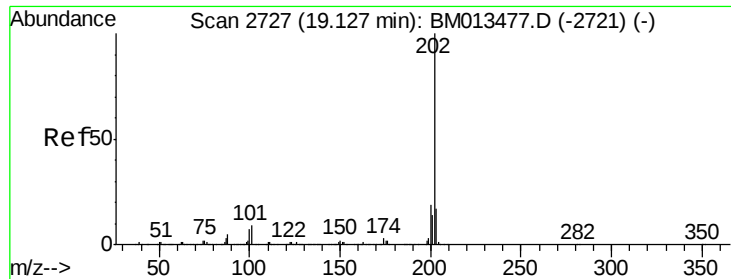


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 6.88 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

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BNA_M

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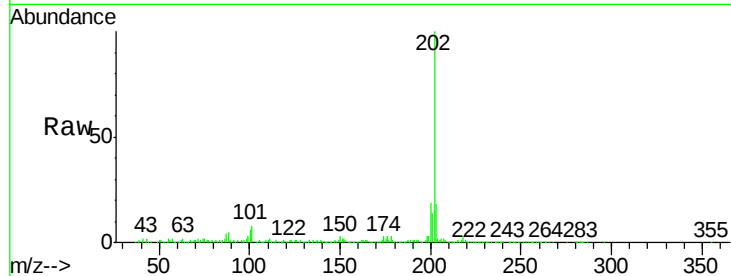
Tgt Ion:202 Resp: 590761

Ion Ratio Lower Upper

202 100

101 8.4 4.6 7.0#

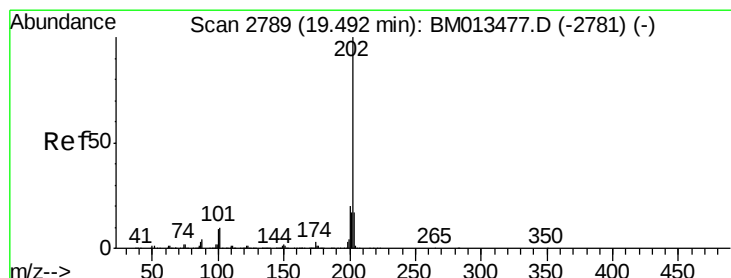
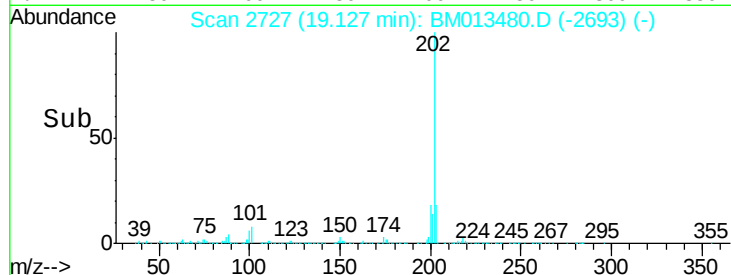
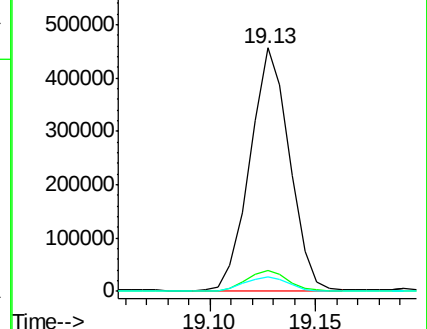
100 5.9 3.4 5.2#



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: 12.83 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

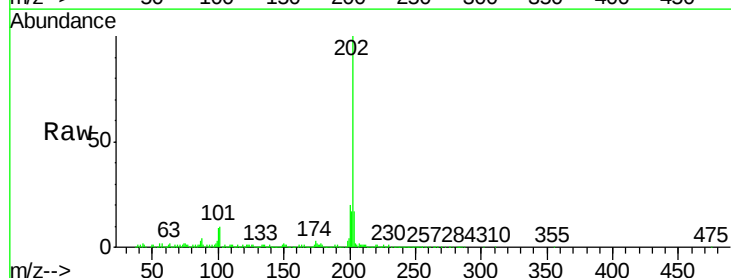
Tgt Ion:202 Resp: 709822

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

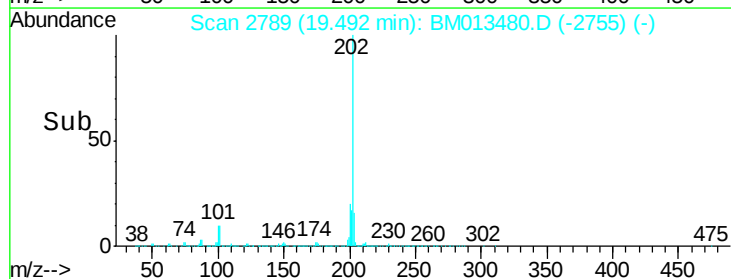
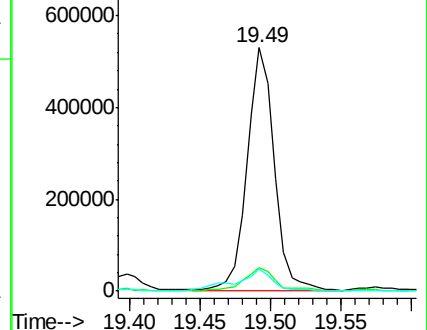
100 9.0 4.9 7.3#

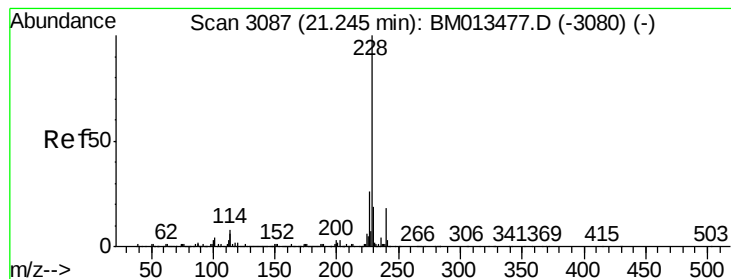


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 12.16 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.05 min

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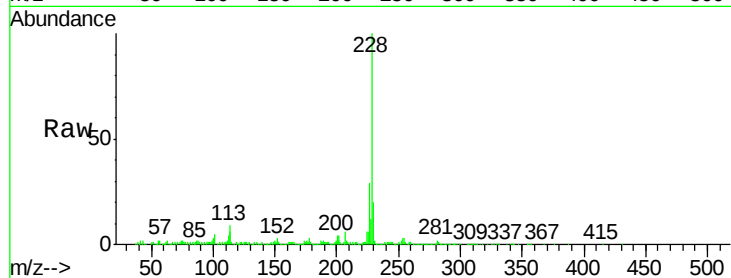
Tgt Ion:228 Resp: 702445

Ion Ratio Lower Upper

228 100

229 19.7 15.4 23.0

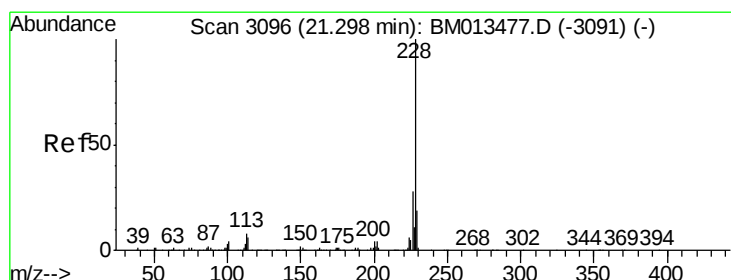
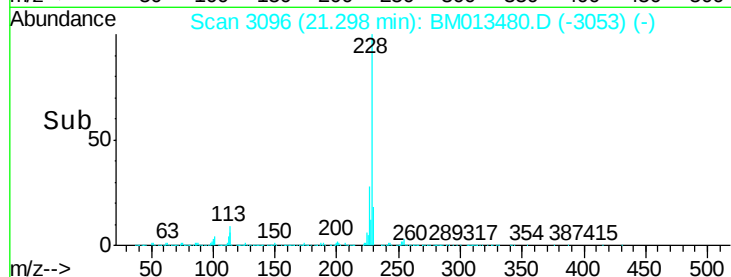
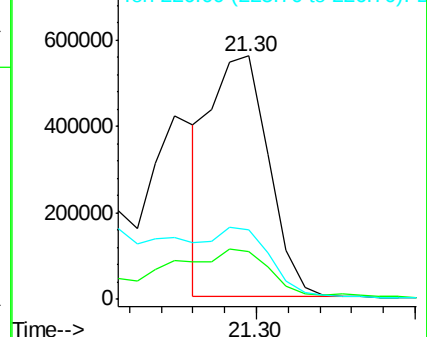
226 28.6 21.4 32.0



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: 13.10 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

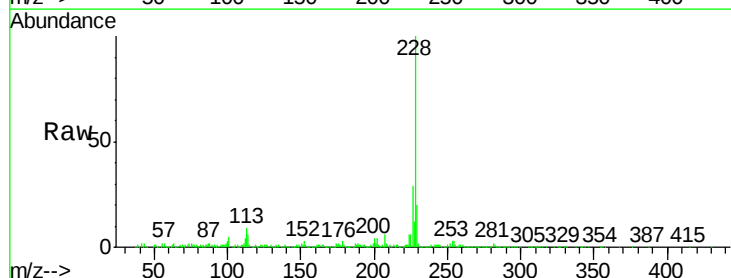
Tgt Ion:228 Resp: 702445

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

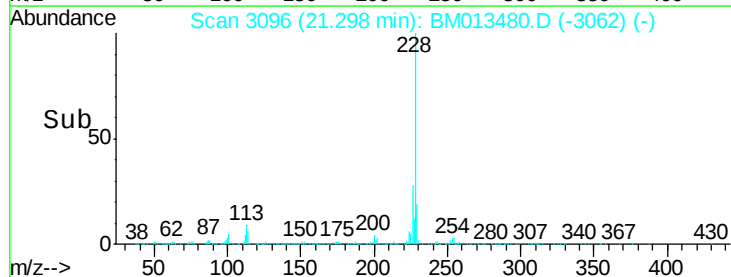
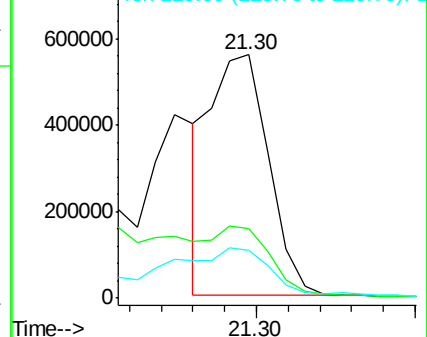
229 19.7 15.5 23.3

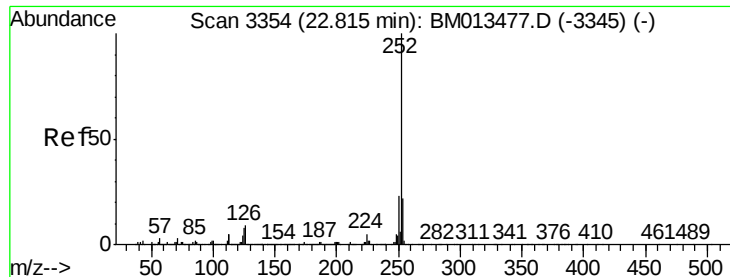


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 38.95 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013480.D

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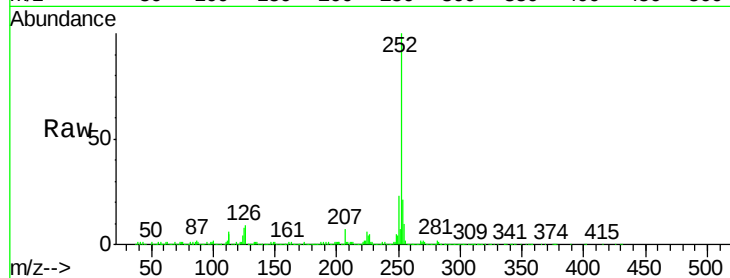
Tgt Ion:252 Resp: 2167291

Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

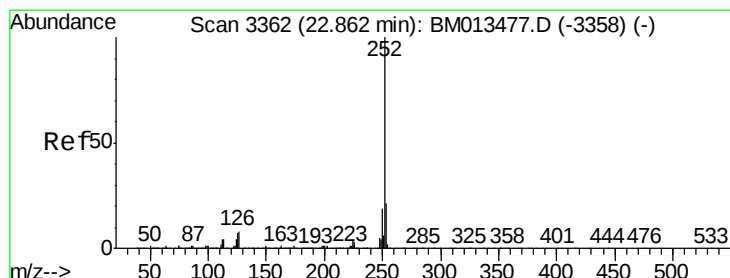
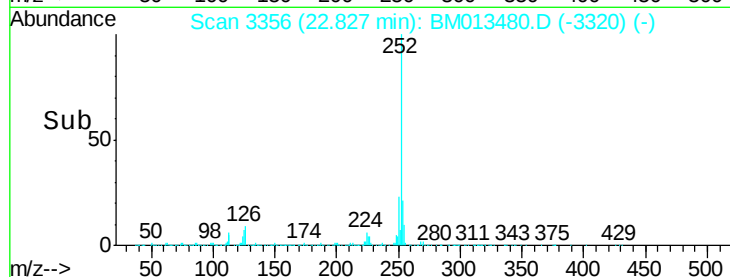
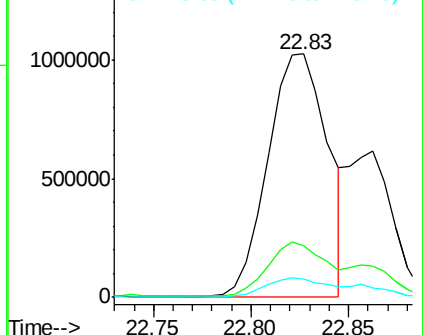
125 7.7 3.6 5.4#



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: 41.39 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.04 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

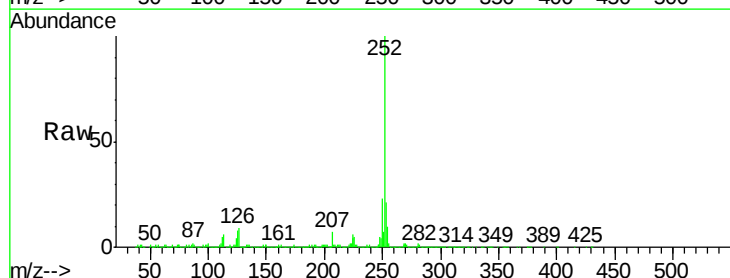
Tgt Ion:252 Resp: 2167291

Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

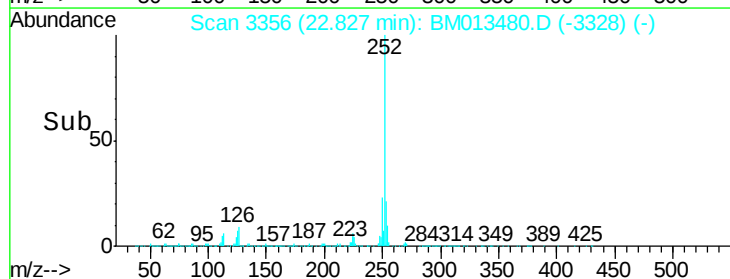
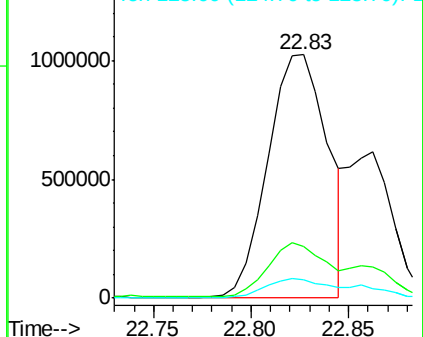
125 7.7 3.4 5.2#

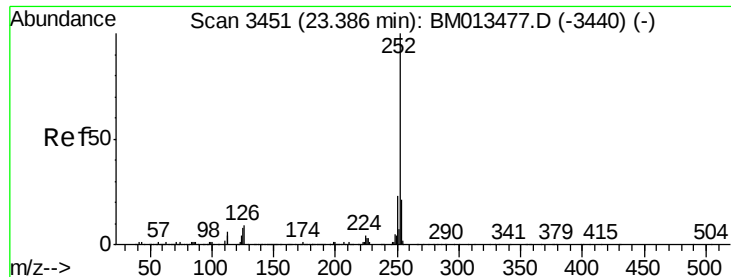


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 17.52 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

Instrument :

BNA_M

ClientSampleId :

F9A43

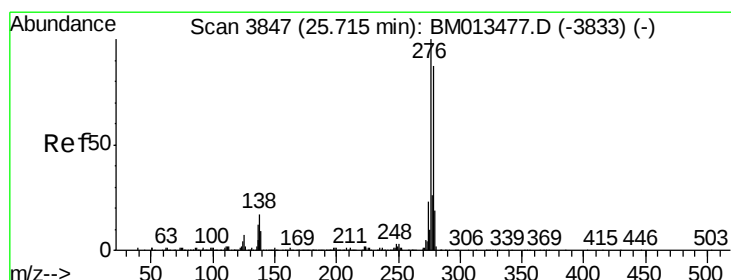
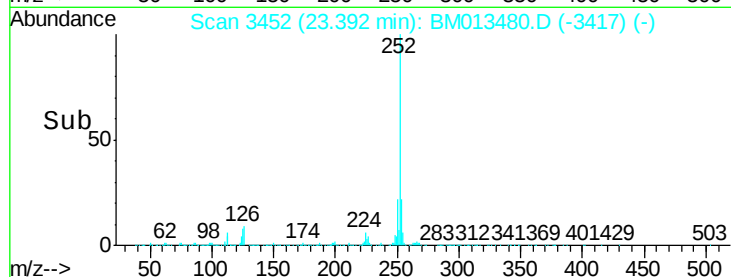
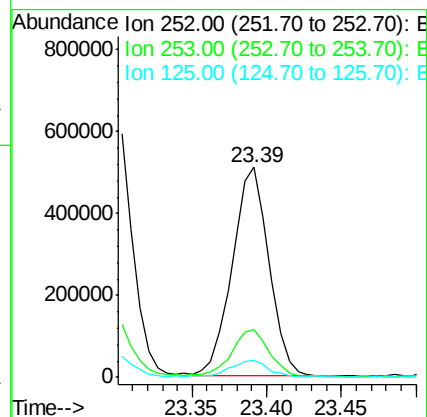
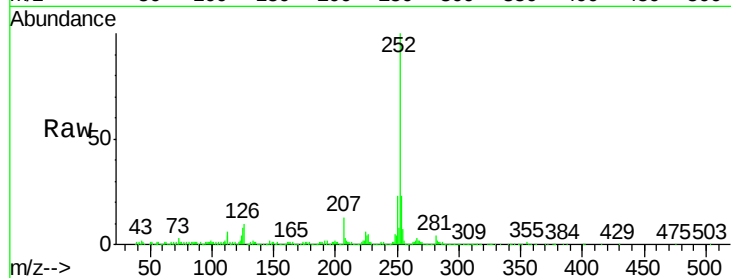
Tgt Ion:252 Resp: 875548

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

125 7.9 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 22.62 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

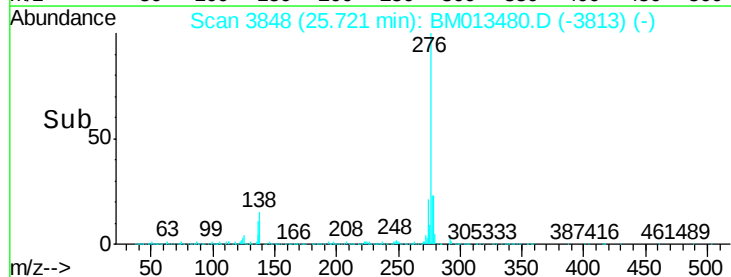
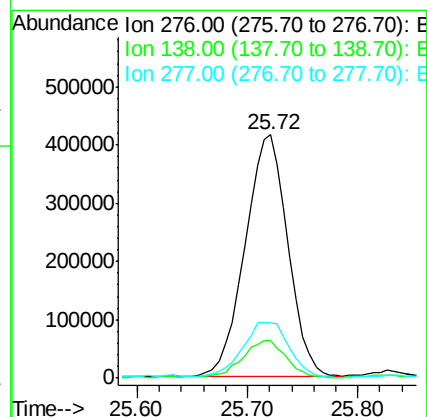
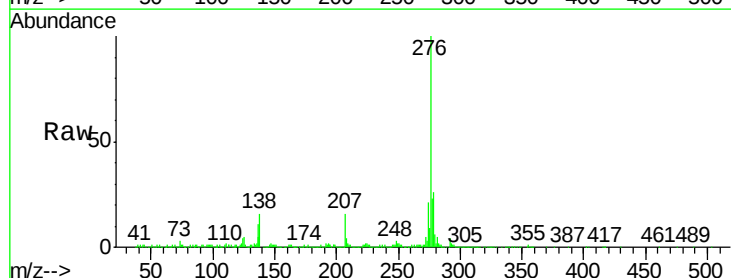
Tgt Ion:276 Resp: 1121839

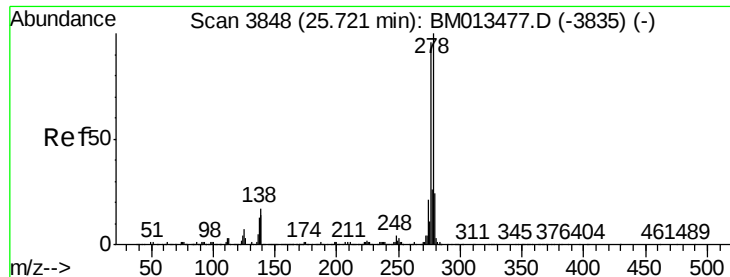
Ion Ratio Lower Upper

276 100

138 15.5 9.3 13.9#

277 23.0 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 8.21 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

Instrument :

BNA_M

ClientSampleId :

F9A43

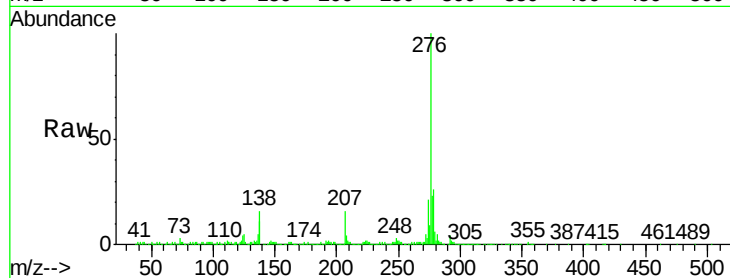
Tgt Ion:278 Resp: 346573

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

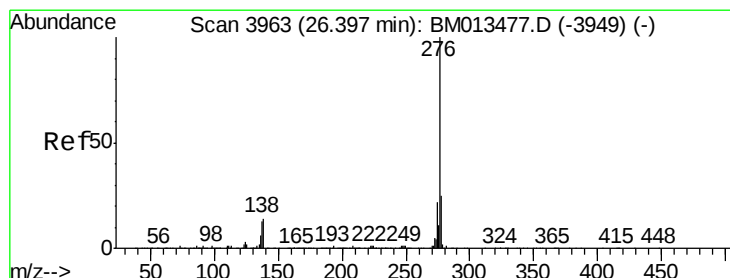
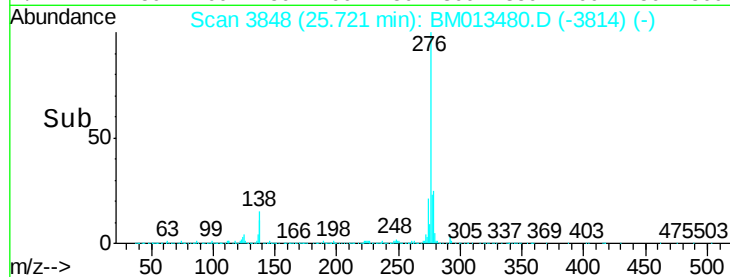
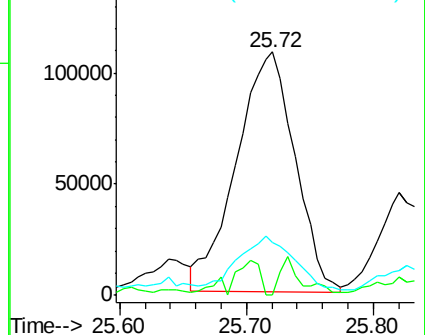
279 21.6 18.6 27.8



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: 22.79 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. -0.00 min

Lab File: BM013480.D

Acq: 16 Dec 2017 17:10

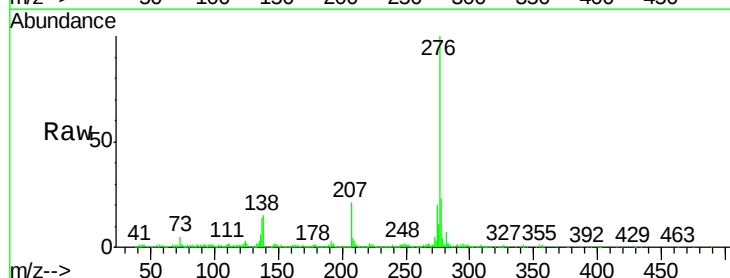
Tgt Ion:276 Resp: 891540

Ion Ratio Lower Upper

276 100

138 15.0 8.5 12.7#

277 23.0 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

