

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010485.D
 Acq On : 10 Jun 2017 14:58
 Operator : SJ/MA
 Sample : I3521-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C24

Quant Time: Jun 12 04:17:19 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 04:15:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	167022	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	615861	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	421589	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	1048812	20.00	ng/ul	0.00
75) Chrysene-d12	21.45	240	1544044	20.00	ng/ul	0.00
83) Perylene-d12	23.79	264	1559446	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	16050	3.94	ng/uL	0.00
5) Phenol-d5	7.08	99	214291	16.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.24	67	122420	17.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	184226	18.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	182542	17.88	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	91472	20.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	114700	21.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	229797	21.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	145399	14.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	740567	21.14	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	828864	20.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	83463	15.93	ng/ul	0.00
57) Fluorene-d10	15.53	176	642442	20.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	111588	15.02	ng/ul	0.00
70) Anthracene-d10	17.38	188	1051985	20.61	ng/ul	0.00
76) Pyrene-d10	19.67	212	1357684	21.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.64	264	1487340	20.49	ng/ul	0.00

Target Compounds

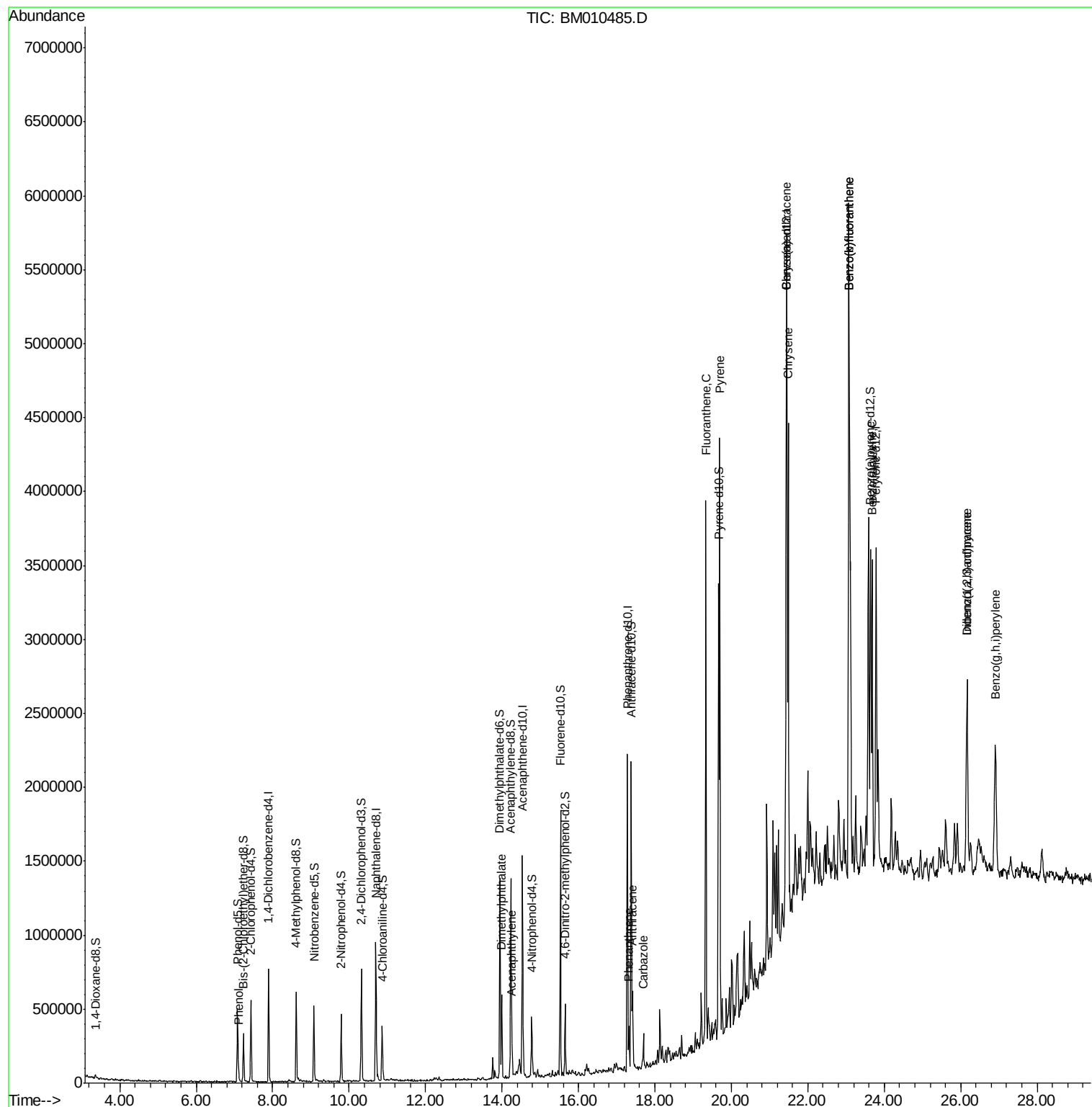
					Qvalue	
6) Phenol	7.11	94	16852	1.299	ng/ul#	87
44) Dimethylphthalate	13.99	163	288100	8.363	ng/ul	99
47) Acenaphthylene	14.26	152	137210	3.436	ng/ul#	96
69) Phenanthrene	17.32	178	146221	2.612	ng/ul	94
71) Anthracene	17.42	178	307257	5.257	ng/ul	98
72) Carbazole	17.70	167	102709	2.076	ng/ul	97
74) Fluoranthene	19.33	202	2103874	30.556	ng/ul#	96
77) Pyrene	19.70	202	2346942	29.497	ng/ul#	95
80) Benzo(a)anthracene	21.43	228	1548297	17.782	ng/ul	97
82) Chrysene	21.49	228	1969869	25.027	ng/ul	98
85) Benzo(b)fluoranthene	23.07	252	4013282	44.228	ng/ul	99
86) Benzo(k)fluoranthene	23.07	252	4013282	46.297	ng/ul	97
88) Benzo(a)pyrene	23.69	252	1553129	17.268	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.16	276	1343489	11.823	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.17	278	359650	3.675	ng/ul#	90
91) Benzo(g,h,i)perylene	26.91	276	1029097	10.992	ng/ul	97

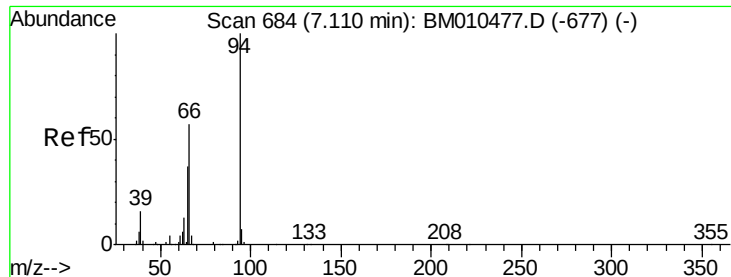
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.299 ng/ul

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

BNA_M

ClientSampleId :

F5C24

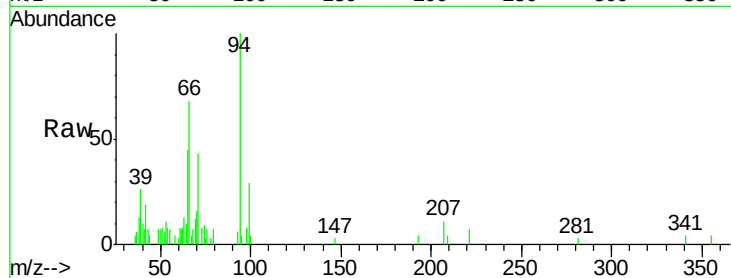
Tgt Ion: 94 Resp: 16852

Ion Ratio Lower Upper

94 100

65 44.9 28.2 42.4#

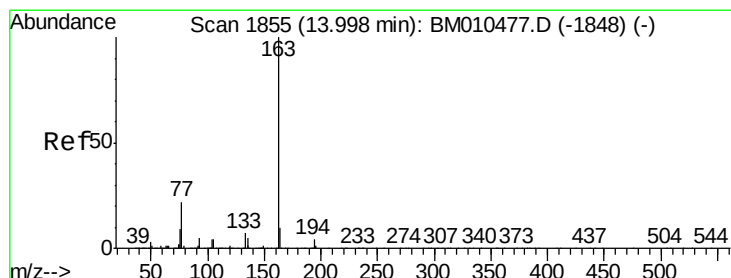
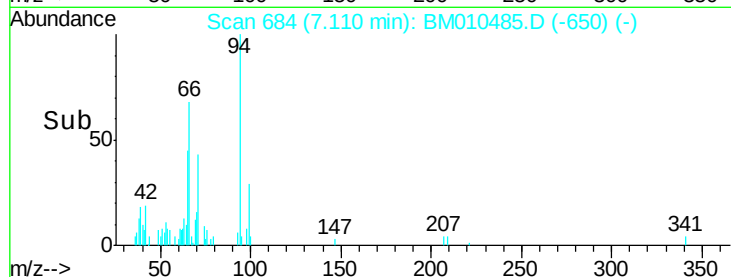
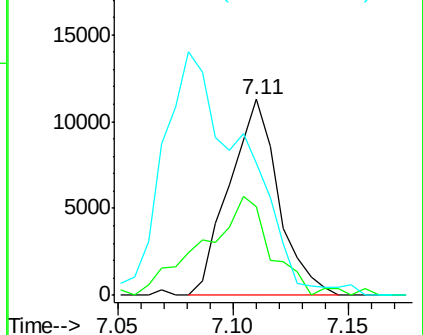
66 67.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010477.D (-677) (-)

Ion 65.00 (64.70 to 65.70): BM010477.D (-677) (-)

Ion 66.00 (65.70 to 66.70): BM010477.D (-677) (-)



#44

Dimethylphthalate

Concen: 8.363 ng/ul

RT: 13.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

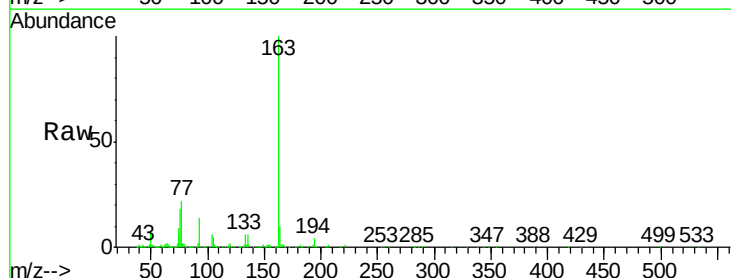
Tgt Ion: 163 Resp: 288100

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

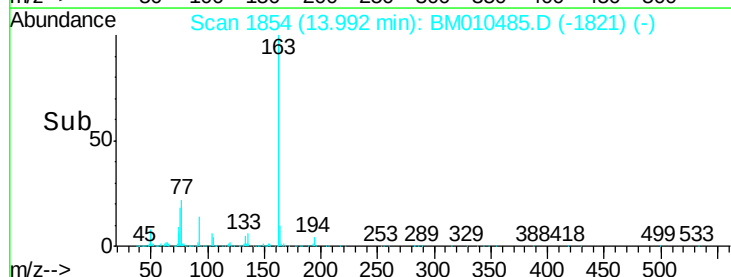
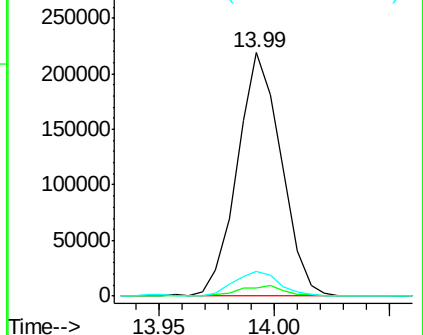
164 10.0 8.2 12.4

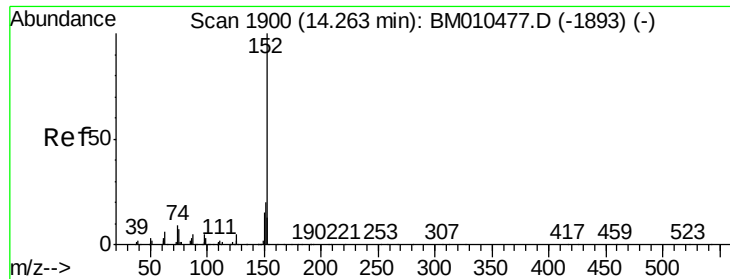


Abundance Ion 163.00 (162.70 to 163.70): BM010477.D (-1848) (-)

Ion 194.00 (193.70 to 194.70): BM010477.D (-1848) (-)

Ion 164.00 (163.70 to 164.70): BM010477.D (-1848) (-)





#47

Acenaphthylene

Concen: 3.436 ng/ul

RT: 14.26 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

BNA_M

ClientSampled :

F5C24

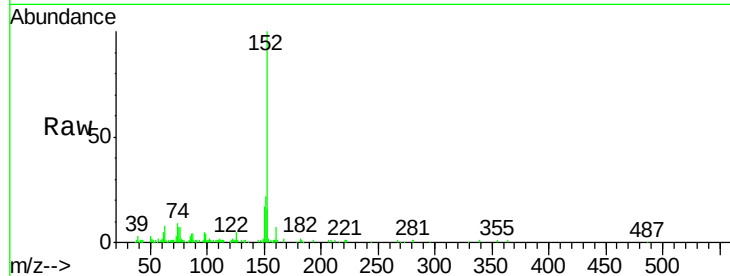
Tgt Ion:152 Resp: 137210

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

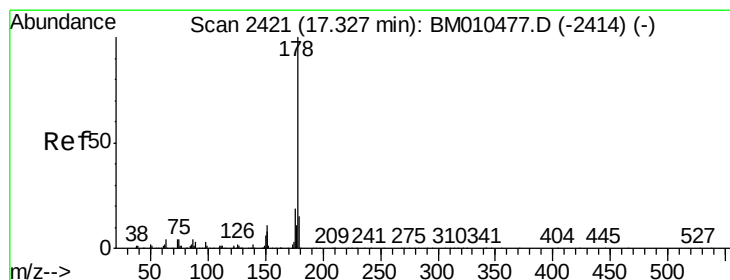
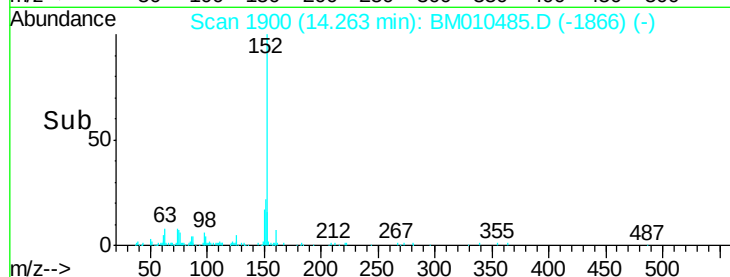
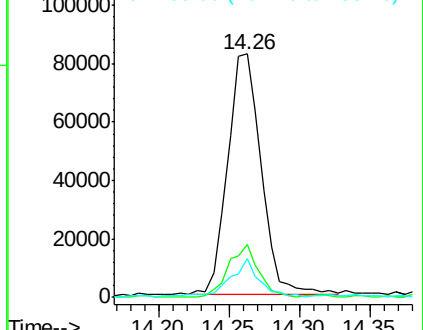
153 15.8 10.2 15.4#



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: 2.612 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

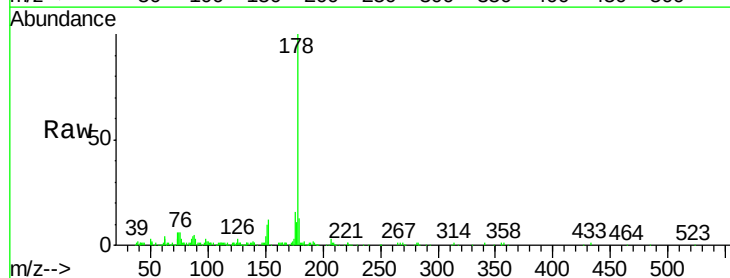
Tgt Ion:178 Resp: 146221

Ion Ratio Lower Upper

178 100

179 12.9 12.6 19.0

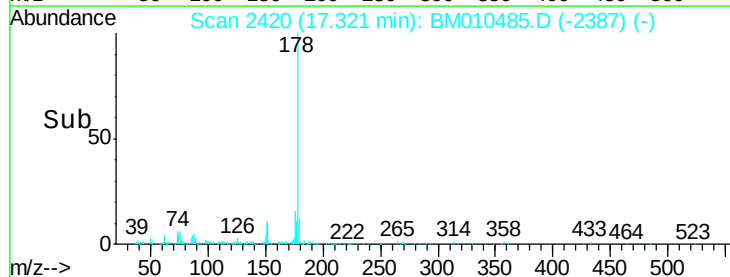
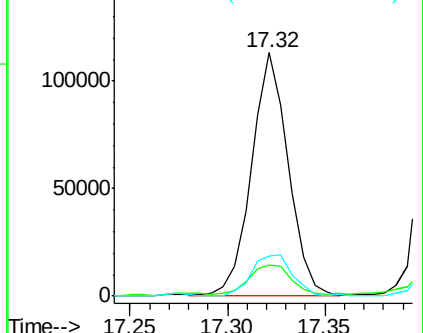
176 16.4 14.9 22.3

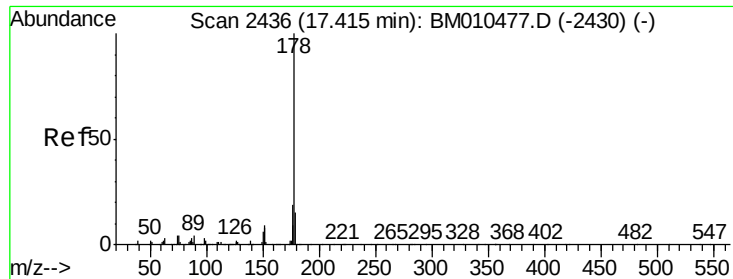


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.257 ng/ul

RT: 17.42 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

BNA_M

ClientSampleId :

F5C24

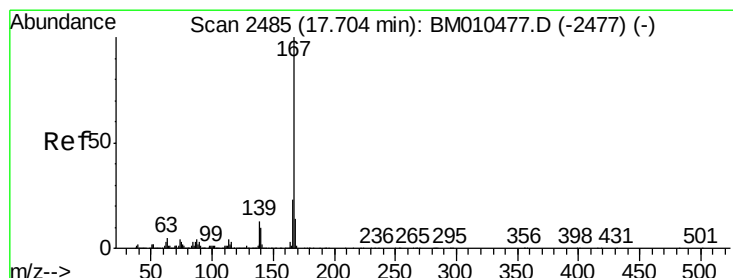
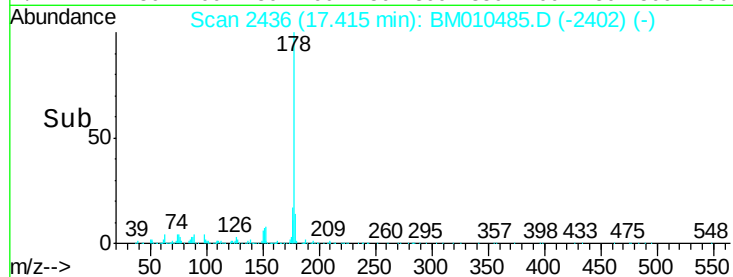
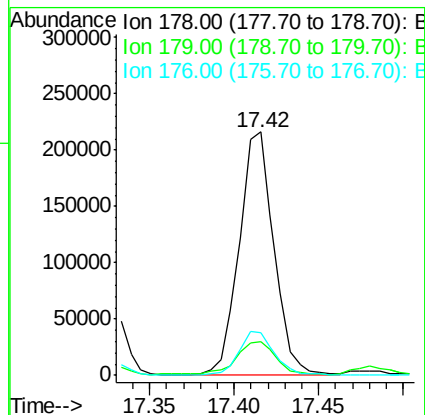
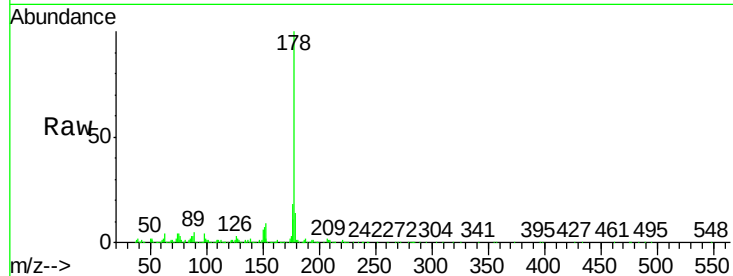
Tgt Ion:178 Resp: 307257

Ion Ratio Lower Upper

178 100

179 13.7 11.7 17.5

176 17.7 14.6 21.8



#72

Carbazole

Concen: 2.076 ng/ul

RT: 17.70 min Scan# 2484

Delta R.T. -0.01 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

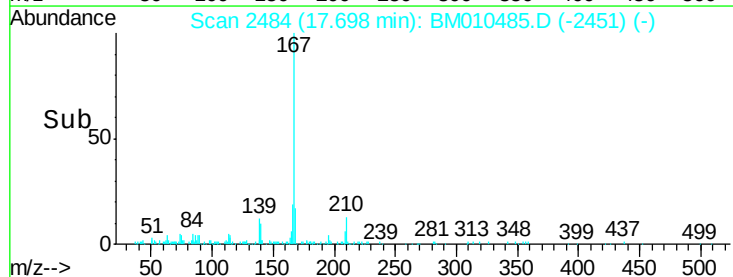
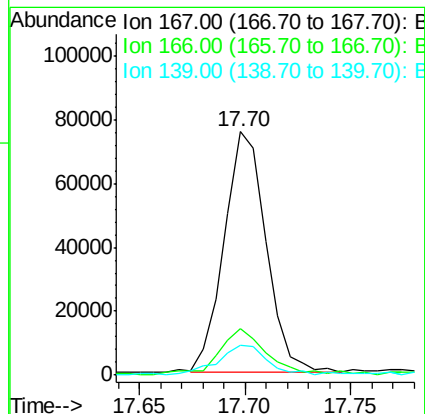
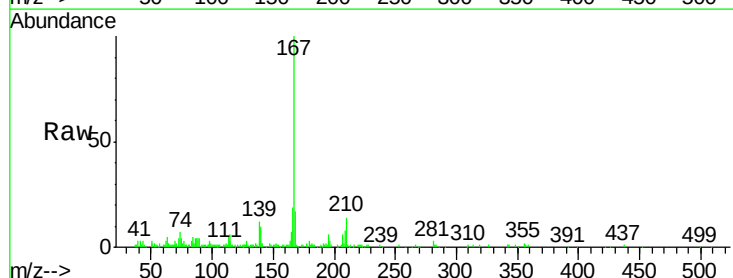
Tgt Ion:167 Resp: 102709

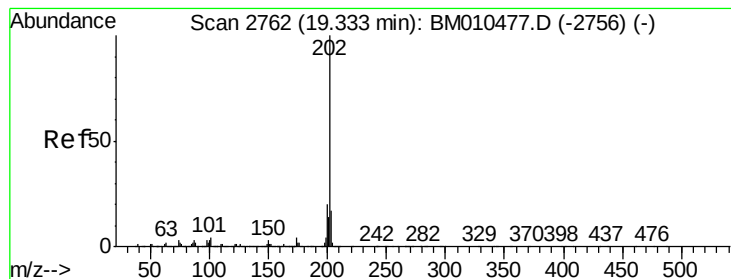
Ion Ratio Lower Upper

167 100

166 19.1 17.1 25.7

139 12.4 10.0 15.0





#74

Fluoranthene

Concen: 30.556 ng/ul

RT: 19.33 min Scan# 2762

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

BNA_M

ClientSampleId :

F5C24

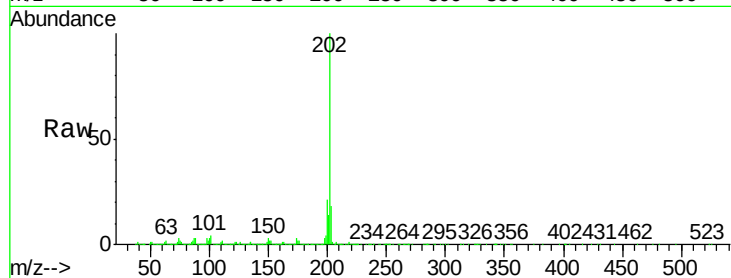
Tgt Ion:202 Resp: 2103874

Ion Ratio Lower Upper

202 100

101 4.1 4.6 7.0#

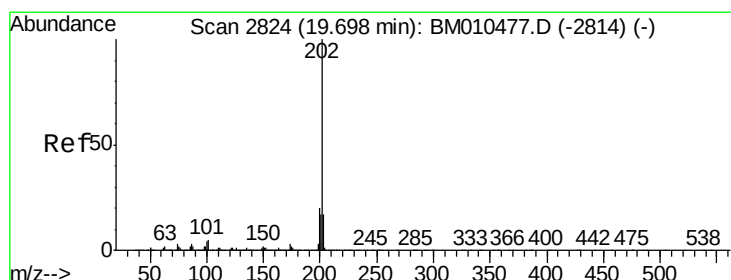
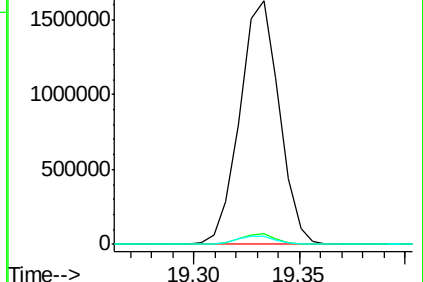
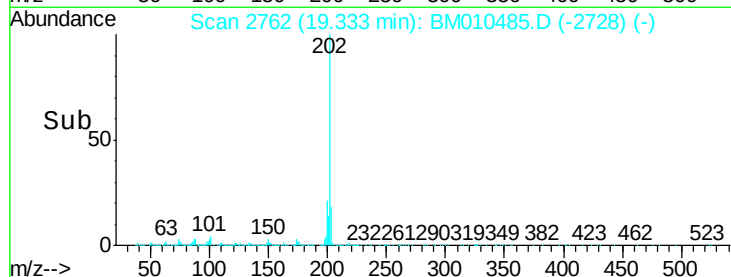
100 3.1 3.4 5.2#



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: 29.497 ng/ul

RT: 19.70 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

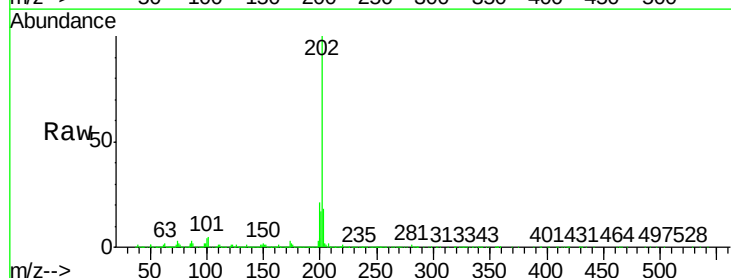
Tgt Ion:202 Resp: 2346942

Ion Ratio Lower Upper

202 100

101 4.8 5.1 7.7#

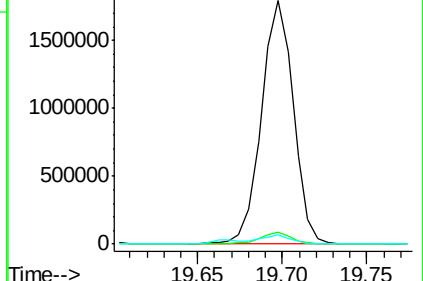
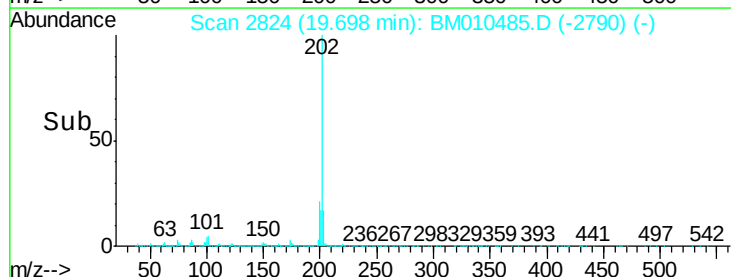
100 4.1 4.9 7.3#

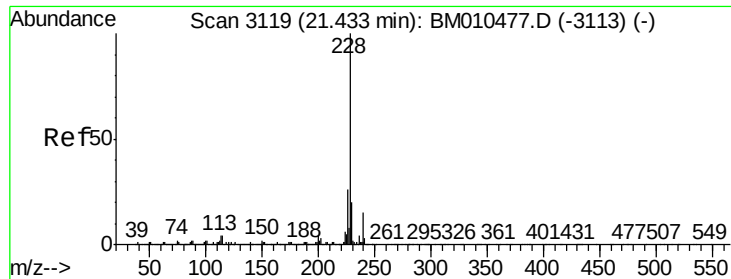


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 17.782 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

BNA_M

ClientSampleId :

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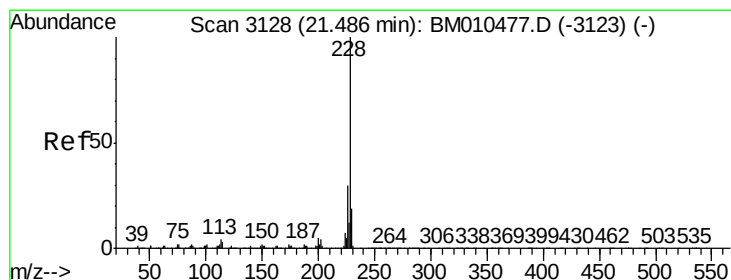
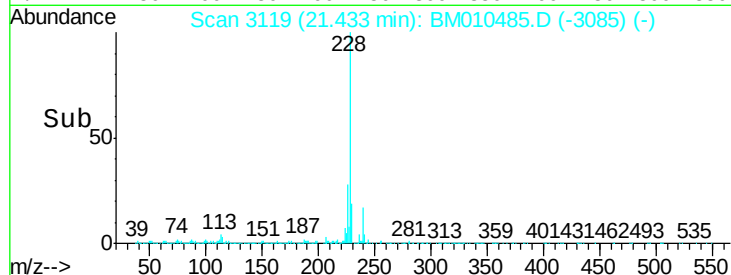
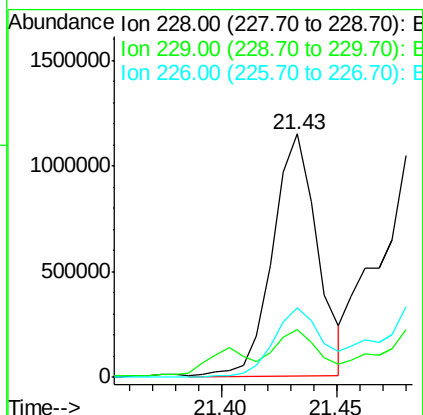
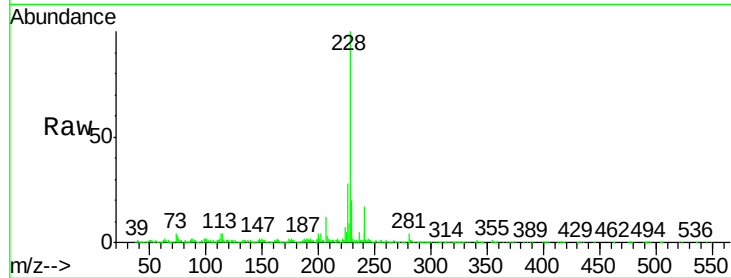
Tgt Ion:228 Resp: 1548297

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

226 28.4 21.4 32.0



#82

Chrysene

Concen: 25.027 ng/ul

RT: 21.49 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

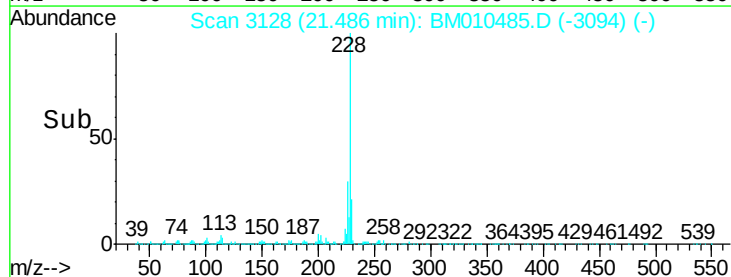
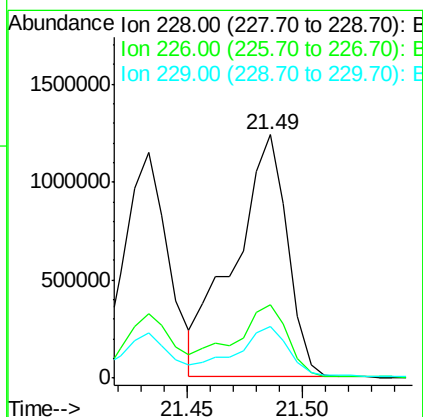
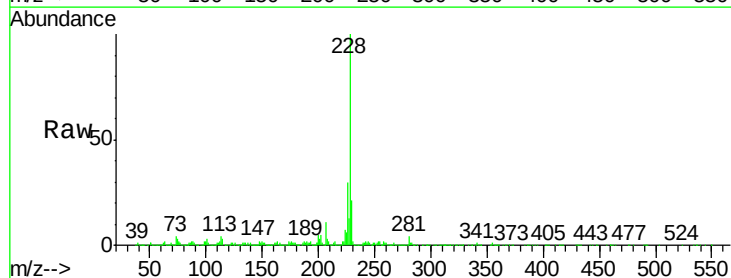
Tgt Ion:228 Resp: 1969869

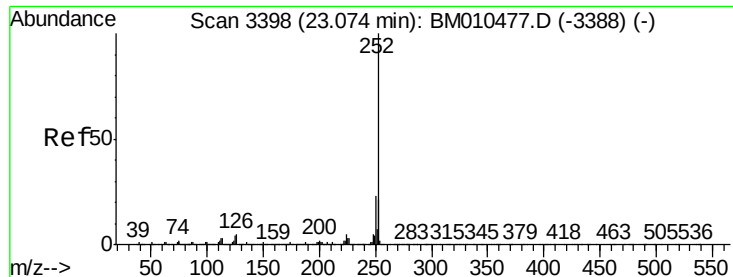
Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 21.3 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 44.228 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

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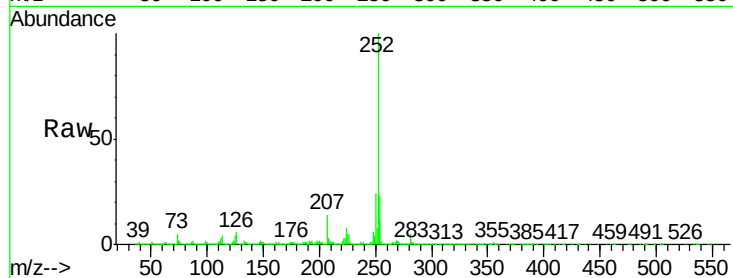
Tgt Ion:252 Resp: 4013282

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

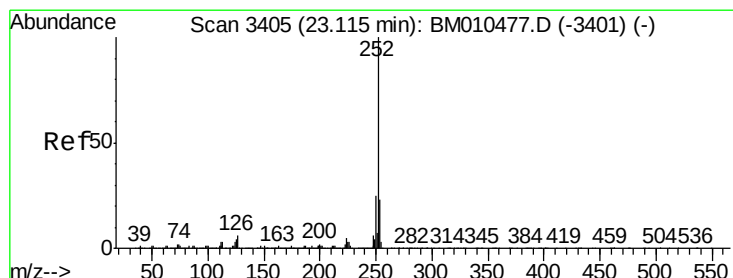
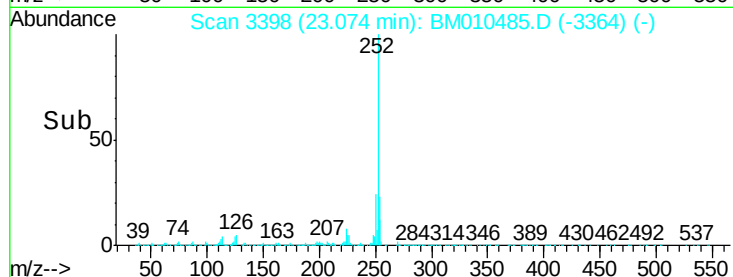
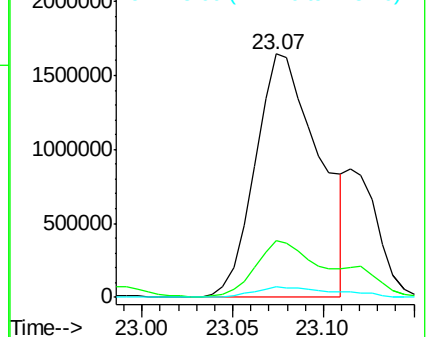
125 4.4 3.6 5.4



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: 46.297 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

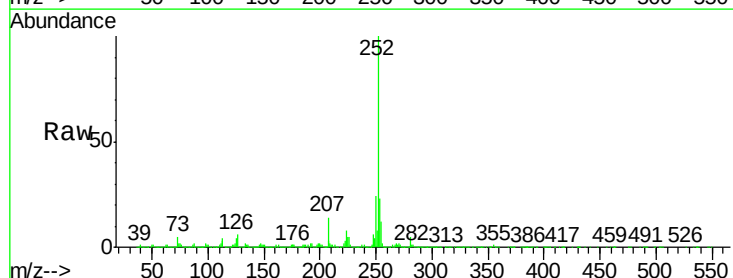
Tgt Ion:252 Resp: 4013282

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

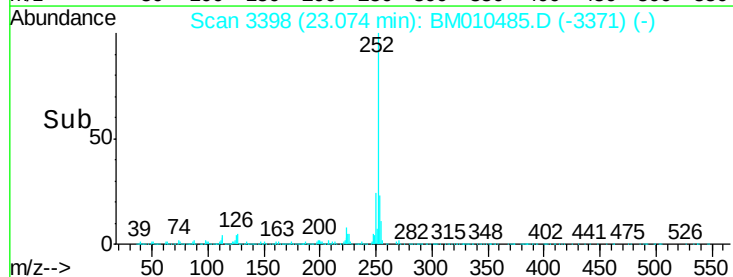
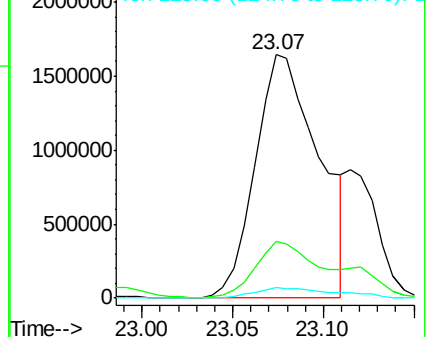
125 4.4 3.4 5.2

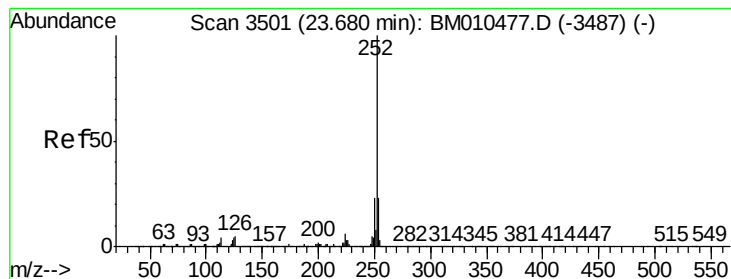


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 17.268 ng/ul

RT: 23.69 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

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ClientSampleId :

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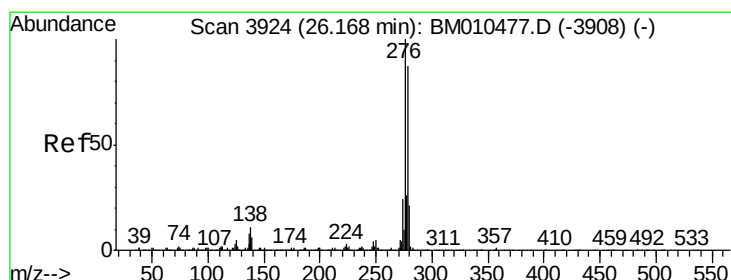
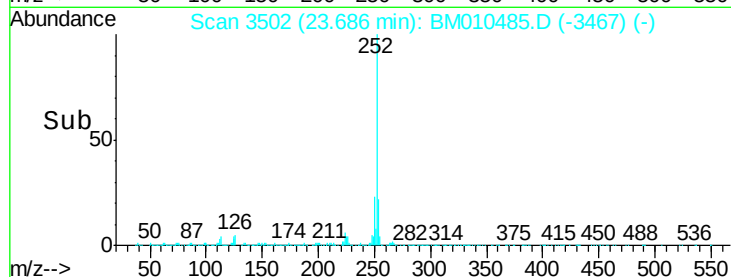
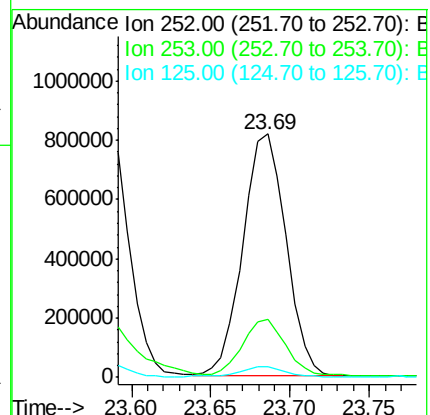
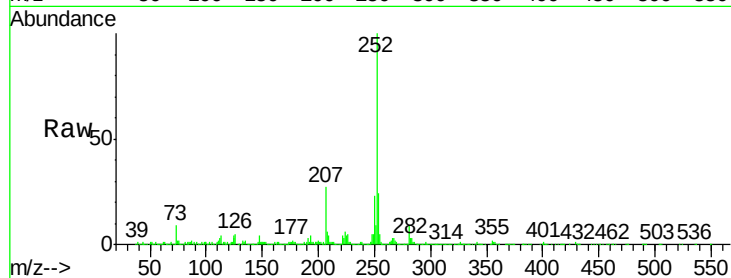
Tgt Ion:252 Resp: 1553129

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

125 4.5 4.0 6.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 11.823 ng/ul

RT: 26.16 min Scan# 3923

Delta R.T. -0.01 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

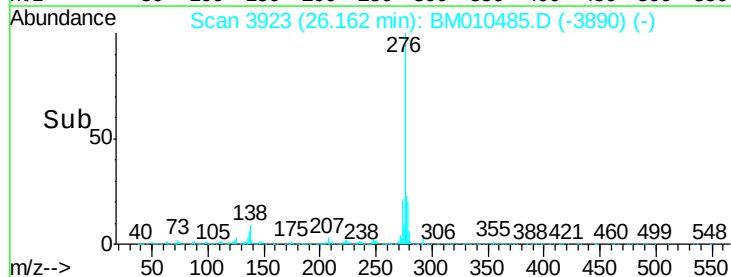
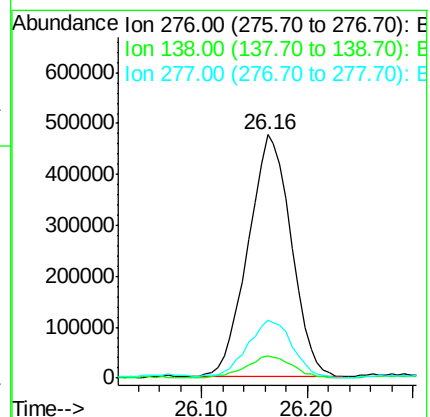
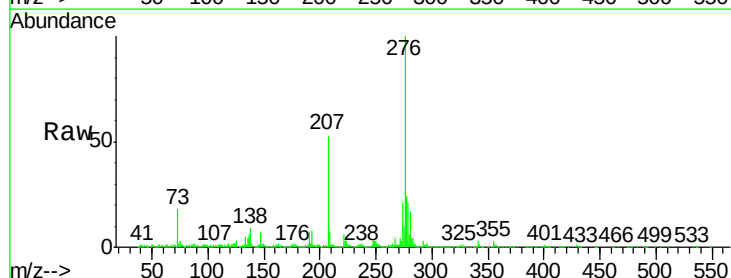
Tgt Ion:276 Resp: 1343489

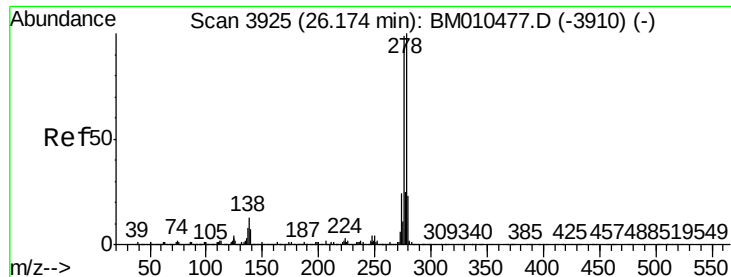
Ion Ratio Lower Upper

276 100

138 9.1 9.3 13.9#

277 23.6 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 3.675 ng/ul

RT: 26.17 min Scan# 3924

Delta R.T. -0.01 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Instrument :

BNA_M

ClientSampleId :

F5C24

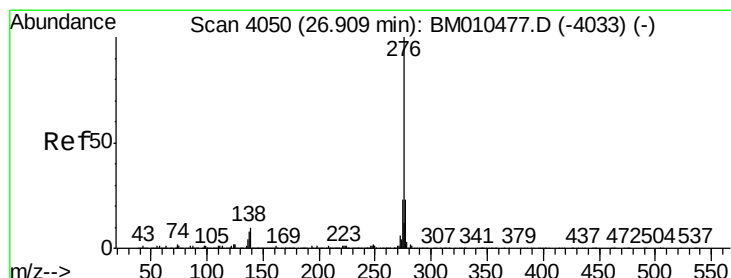
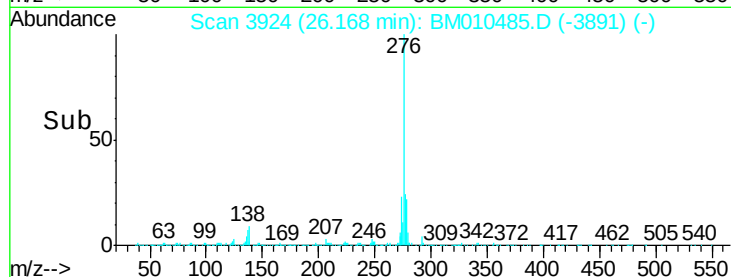
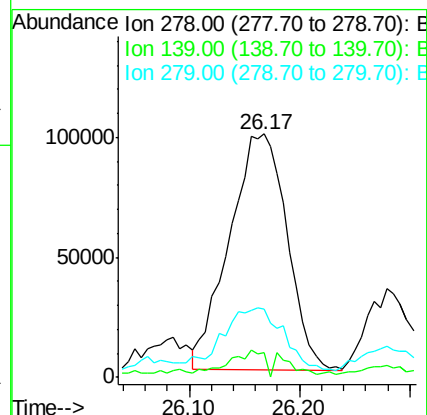
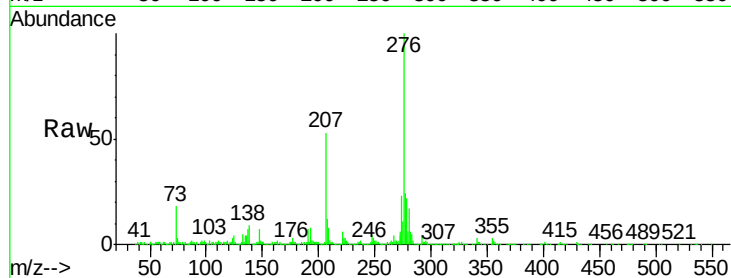
Tgt Ion:278 Resp: 359650

Ion Ratio Lower Upper

278 100

139 10.1 5.8 8.8#

279 28.1 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 10.992 ng/ul

RT: 26.91 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BM010485.D

Acq: 10 Jun 2017 14:58

Tgt Ion:276 Resp: 1029097

Ion Ratio Lower Upper

276 100

138 8.9 8.5 12.7

277 22.4 18.6 28.0

