

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012484.D
 Acq On : 27 Oct 2017 13:43
 Operator : SJ/JU
 Sample : I5719-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 28 00:16:45 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	561367	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2038696	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1102669	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2285948	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2632555	20.00	ng/ul	0.00
83) Perylene-d12	23.74	264	2999702	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	30917	2.81	ng/uL	0.00
5) Phenol-d5	7.05	99	712961	15.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	430529	15.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.41	132	564514	16.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.58	113	562720	14.04	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	263961	20.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	282391	21.47	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.29	165	589647	16.92	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.80	131	49576	1.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.91	166	1702369	17.67	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	2045586	17.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	215926	15.08	ng/ul	0.00
57) Fluorene-d10	15.50	176	1404327	17.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	73556	6.65	ng/ul	0.00
70) Anthracene-d10	17.34	188	2055384	18.87	ng/ul	-0.01
76) Pyrene-d10	19.63	212	2240184	18.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	2585987	18.15	ng/ul	0.01

Target Compounds

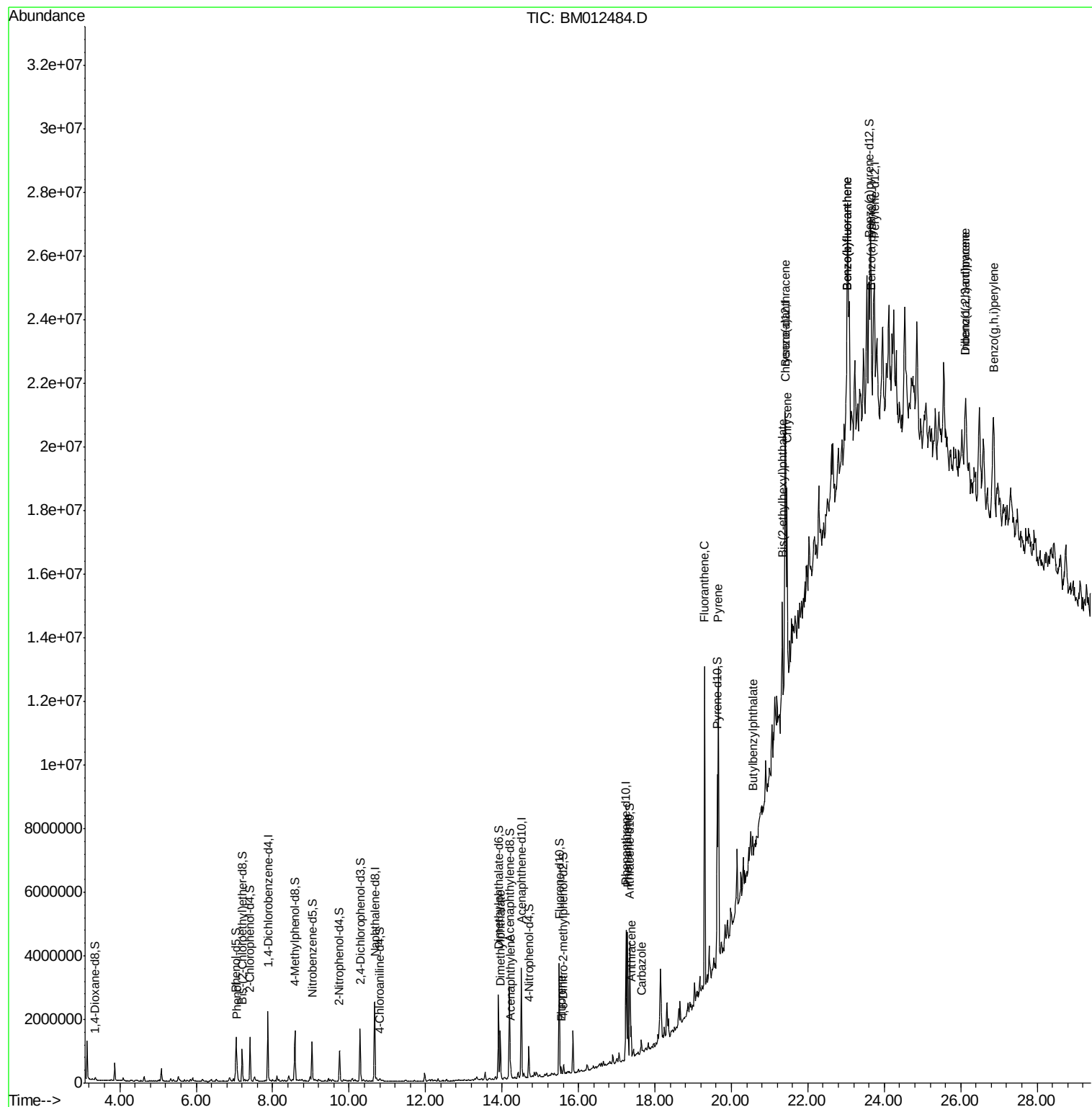
						Ovalue
6) Phenol	7.07	94	225053	4.61	ng/ul#	86
44) Dimethylphthalate	13.96	163	859515	9.02	ng/ul	99
47) Acenaphthylene	14.23	152	256365	2.36	ng/ul	97
58) Fluorene	15.55	166	112807	1.21	ng/ul	98
69) Phenanthrene	17.29	178	2397429	19.39	ng/ul	99
71) Anthracene	17.37	178	638487	5.00	ng/ul	97
72) Carbazole	17.64	167	243522	2.30	ng/ul	96
74) Fluoranthene	19.30	202	5877327	41.96	ng/ul#	93
77) Pvrene	19.66	202	5487395	36.65	ng/ul#	92
78) Butylbenzylphthalate	20.56	149	76401	1.30	ng/ul	86
80) Benzo(a)anthracene	21.40	228	3170197	20.11	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.33	149	982282	10.95	ng/ul	97
82) Chrysene	21.46	228	3716773	26.52	ng/ul	95
85) Benzo(b)fluoranthene	23.04	252	5930743	31.98	ng/ul#	80
86) Benzo(k)fluoranthene	23.04	252	5930743	33.98	ng/ul#	78
88) Benzo(a)pyrene	23.64	252	4057342	22.95	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.12	276	3302385	15.87	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.12	278	875390	4.96	ng/ul#	56
91) Benzo(g,h,i)perylene	26.86	276	3413352	20.24	ng/ul#	89

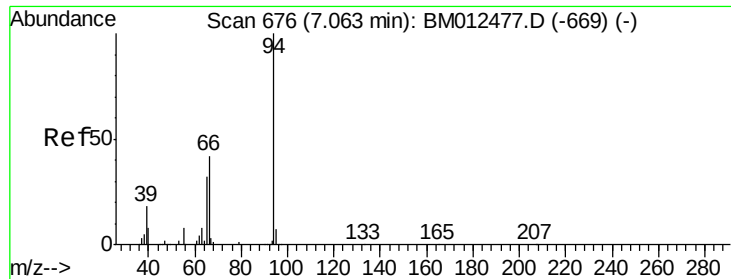
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:35:31 2017
Response via : Initial Calibration





#6

Phenol

Concen: 4.61 ng/ul

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

Instrument :

BNA_M

ClientSampleId :

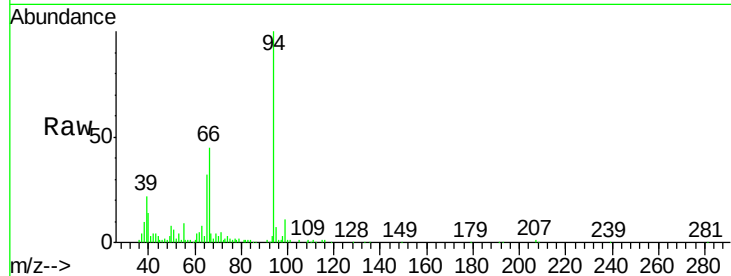
Tot Ion: 94 Resp: 225053

Ion Ratio Lower Upper

94 100

65 31.8 28.2 42.4

66 44.8 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012477.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM012477.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM012477.D (-669) (-)

7.07

150000

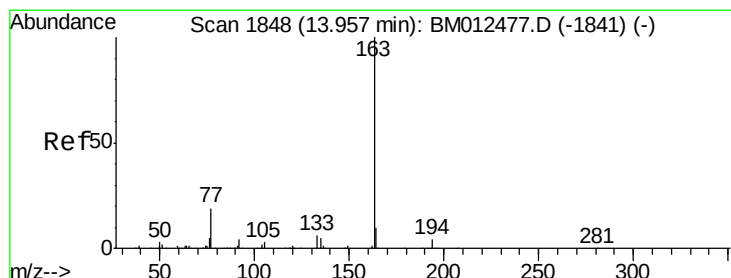
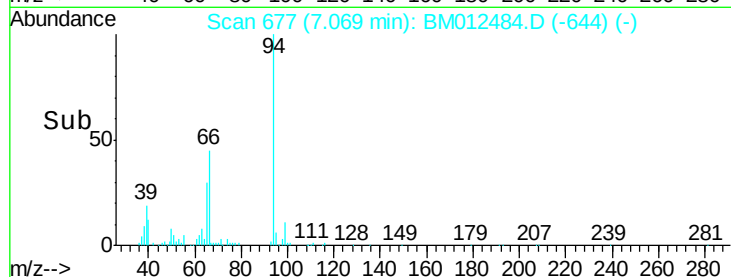
100000

50000

0

7.00 7.05 7.10 7.15

Time-->



#44

Dimethylphthalate

Concen: 9.02 ng/ul

RT: 13.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

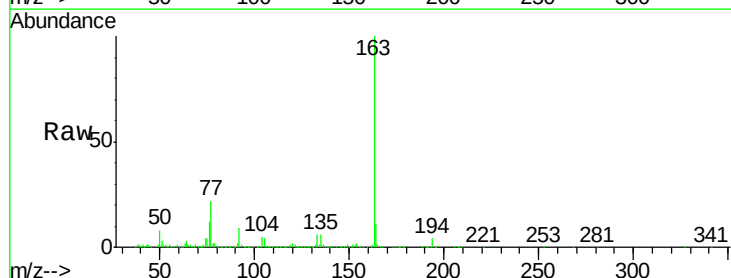
Tgt Ion:163 Resp: 859515

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): BM012477.D (-1841) (-)

Ion 194.00 (193.70 to 194.70): BM012477.D (-1841) (-)

Ion 164.00 (163.70 to 164.70): BM012477.D (-1841) (-)

13.96

800000

600000

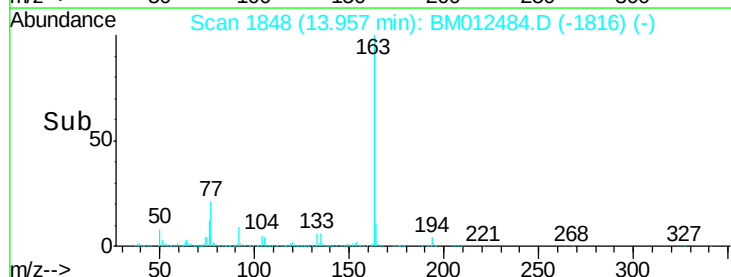
400000

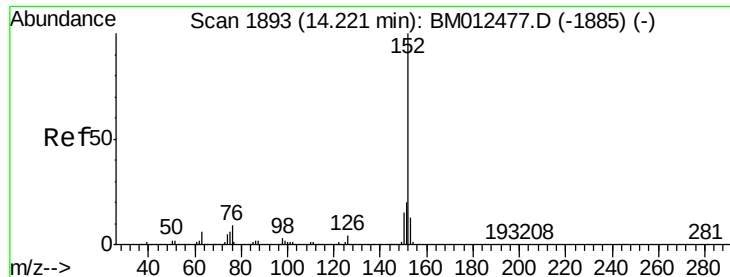
200000

0

13.90 14.00

Time-->





#47

Acenaphthylene

Concen: 2.36 ng/ul

RT: 14.23 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

Instrument :

BNA_M

ClientSampleId :

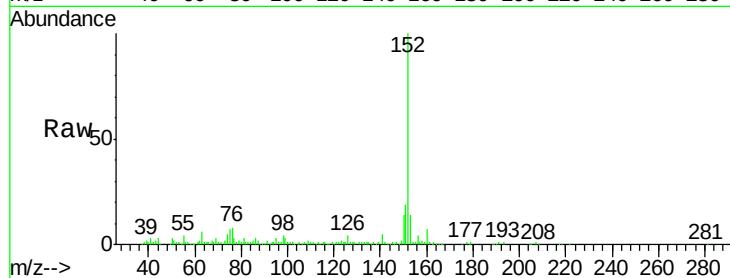
Tot Ion:152 Resp: 256365

Ion Ratio Lower Upper

152 100

151 19.0 16.3 24.5

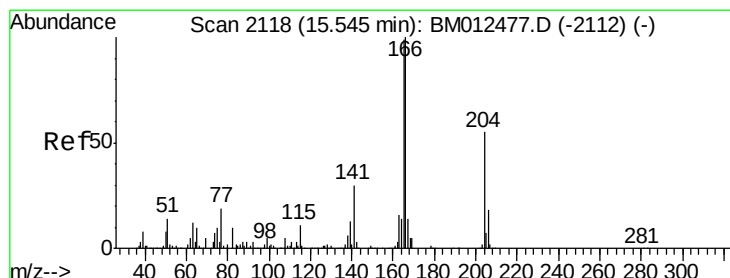
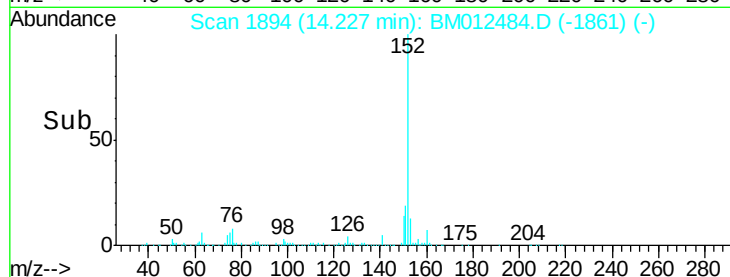
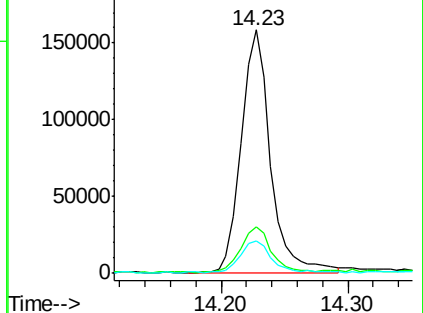
153 13.5 10.2 15.4



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



#58

Fluorene

Concen: 1.21 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

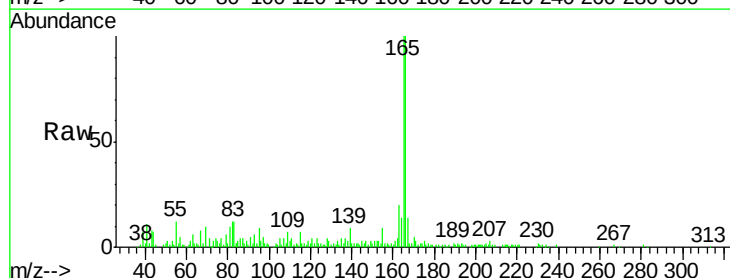
Tgt Ion:166 Resp: 112807

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

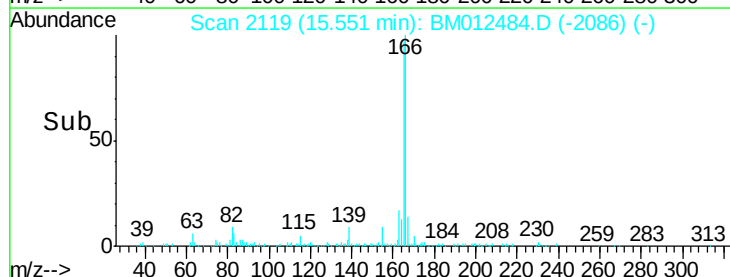
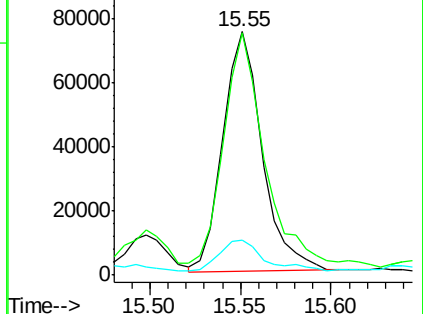
167 14.4 10.6 16.0

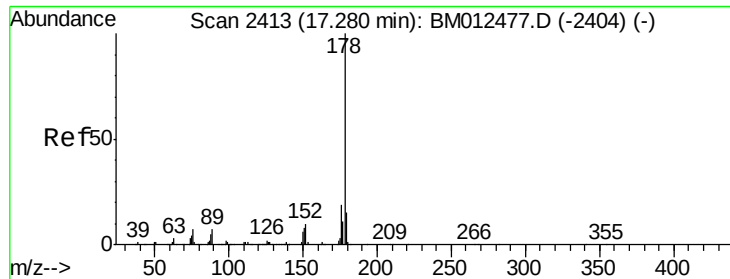


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 19.39 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

Instrument :

BNA_M

ClientSampleId :

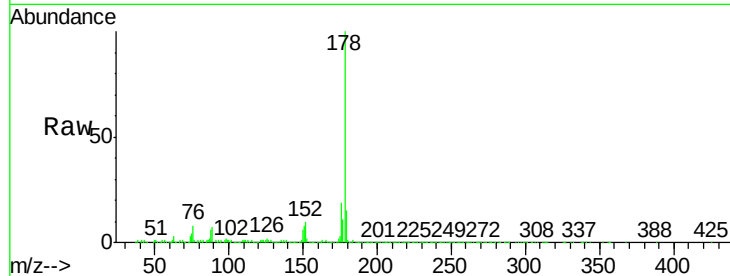
Tot Ion:178 Resp: 2397429

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

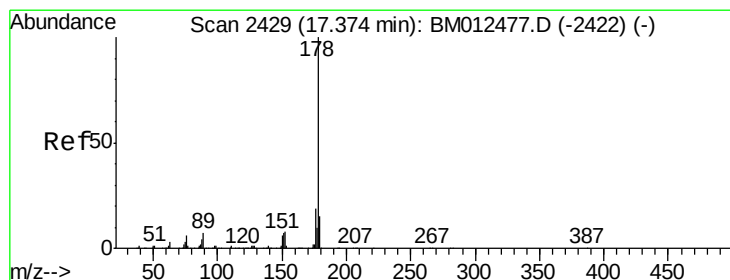
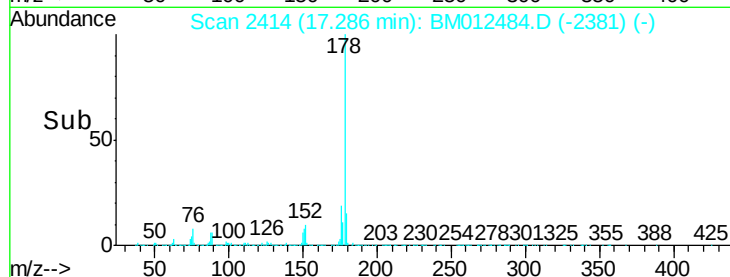
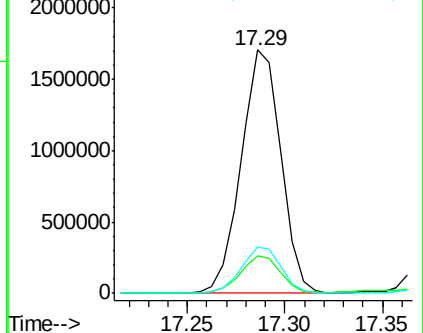
176 18.9 14.9 22.3



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: 5.00 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

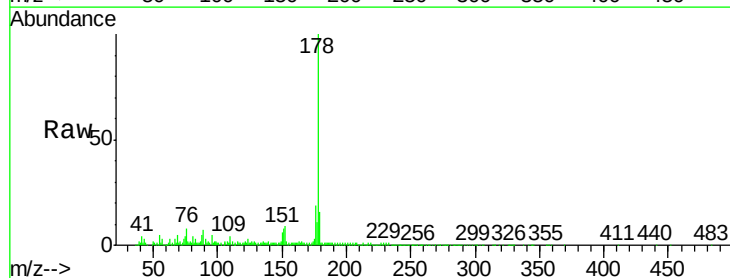
Tgt Ion:178 Resp: 638487

Ion Ratio Lower Upper

178 100

179 16.3 11.7 17.5

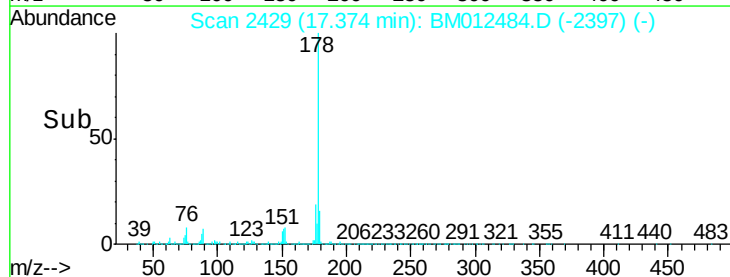
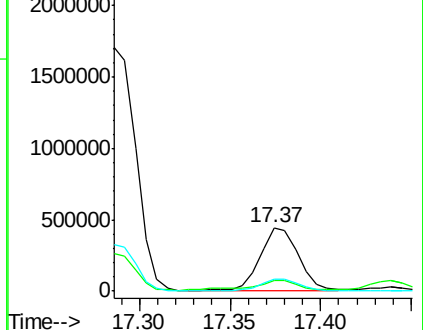
176 19.0 14.6 21.8

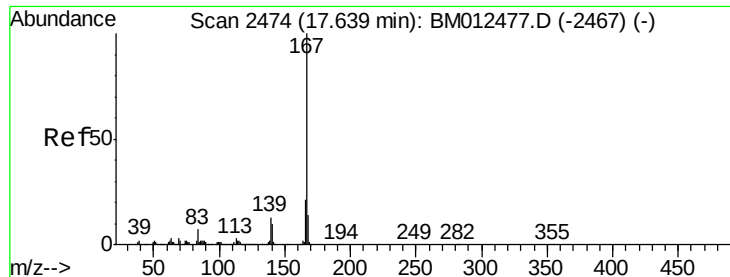


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.30 ng/ul

RT: 17.64 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

Instrument :

BNA_M

ClientSampled :

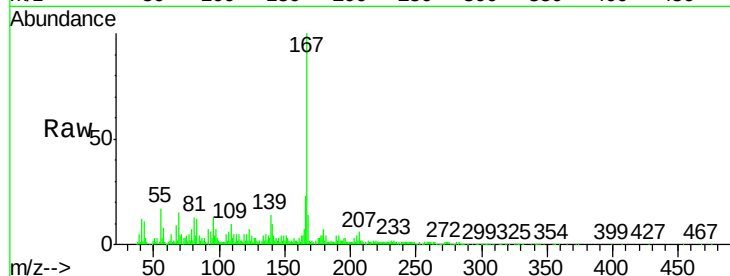
Tot Ion:167 Resp: 243522

Ion Ratio Lower Upper

167 100

166 23.4 17.1 25.7

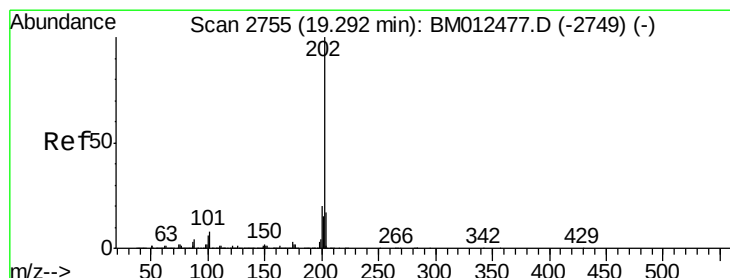
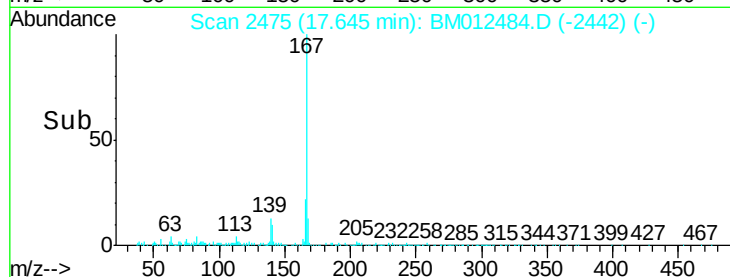
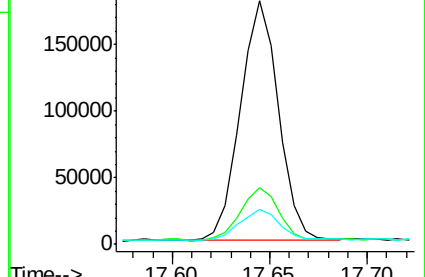
139 14.4 10.0 15.0



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: 41.96 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

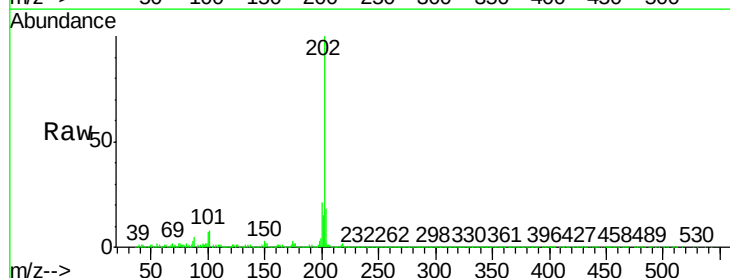
Tgt Ion:202 Resp: 5877327

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

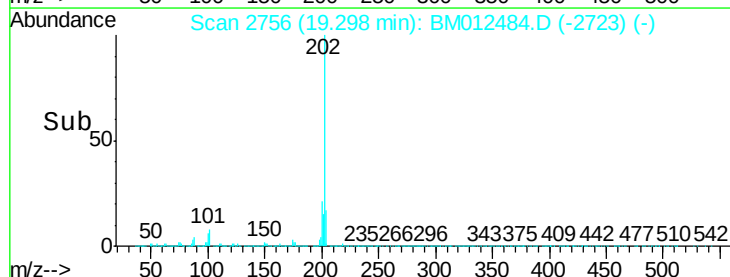
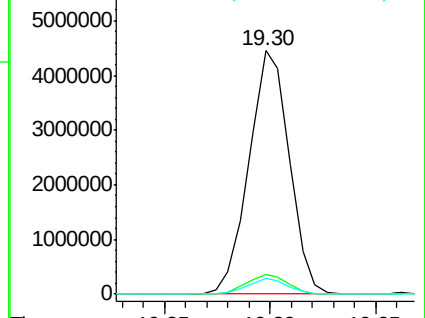
100 6.5 3.4 5.2#

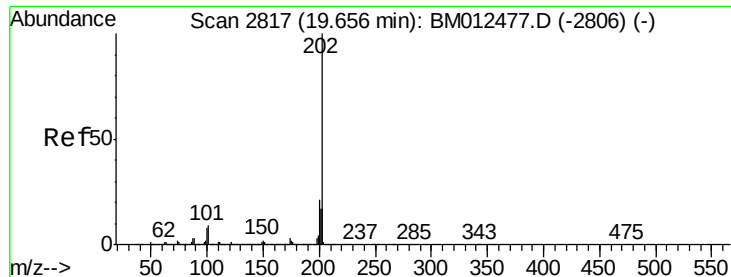


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 36.65 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

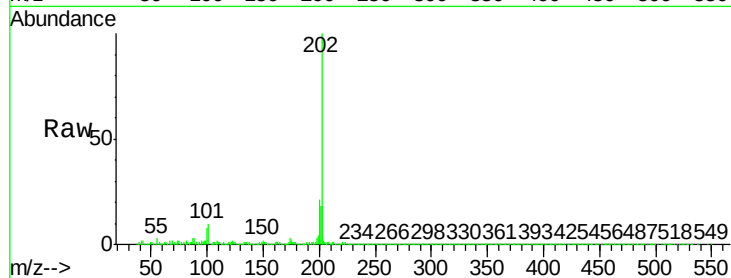
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 5487395

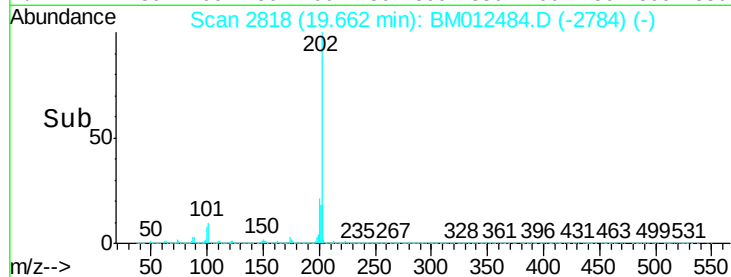
Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	8.1	4.9	7.3#



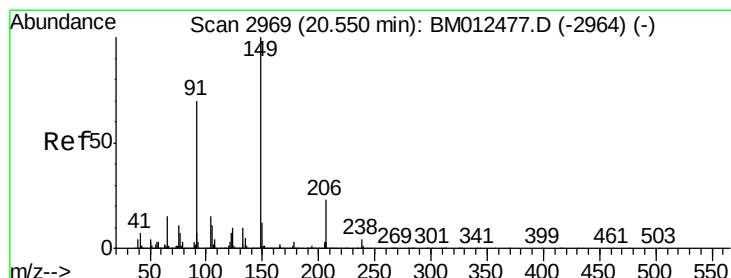
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#78

Butylbenzylphthalate

Concen: 1.30 ng/ul

RT: 20.56 min Scan# 2970

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

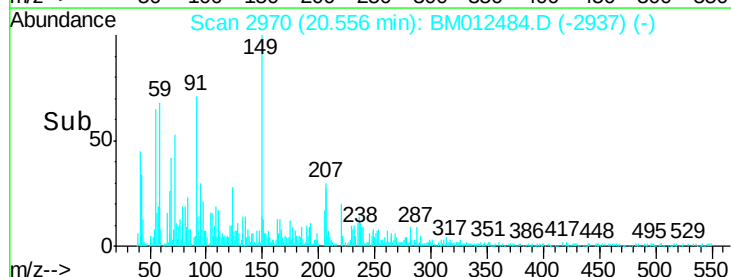
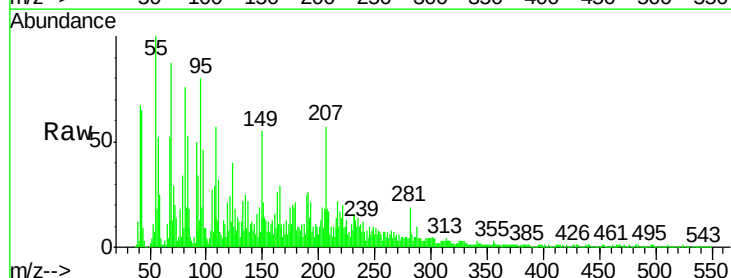
Tgt Ion:149 Resp: 76401

Ion	Ratio	Lower	Upper
149	100		
91	91.5	62.7	94.1
206	30.8	20.8	31.2

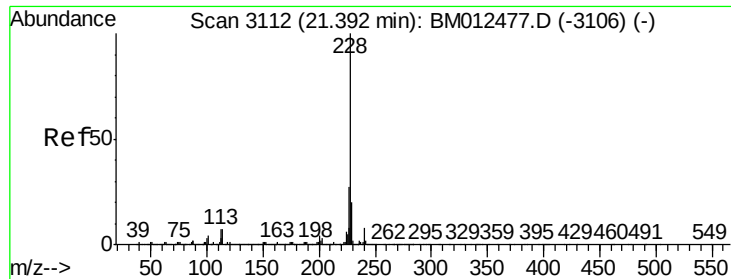
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 20.11 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

Instrument :

BNA_M

ClientSampleId :

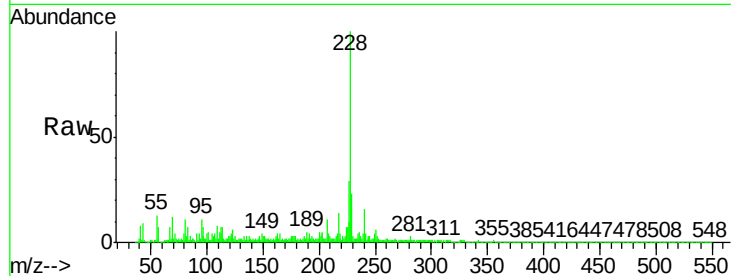
Tot Ion:228 Resp: 3170197

Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.4	23.0
226	28.8	21.4	32.0

228 100

229 23.0 15.4 23.0

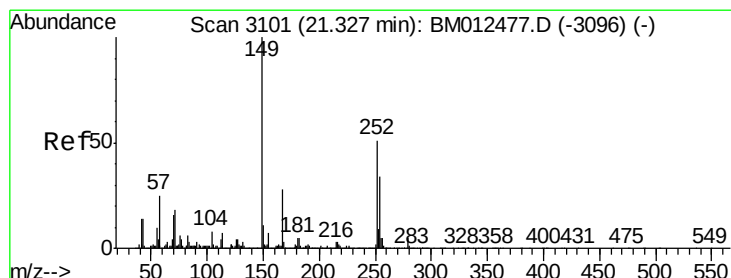
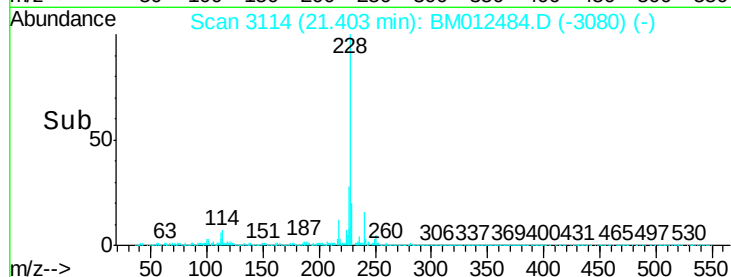
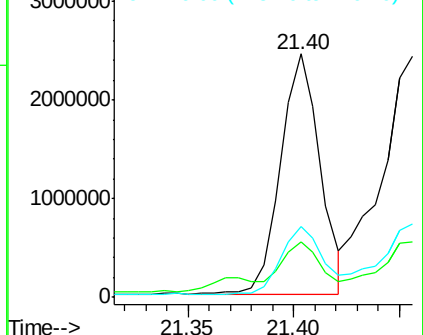
226 28.8 21.4 32.0



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 10.95 ng/ul

RT: 21.33 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

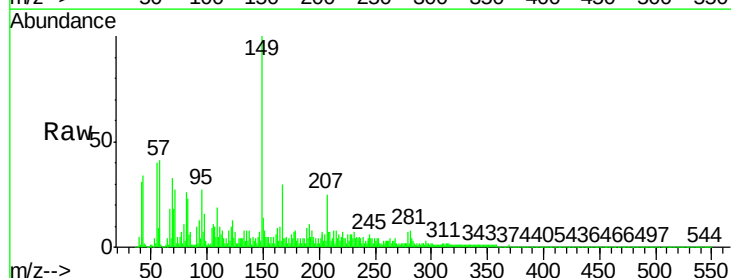
Tgt Ion:149 Resp: 982282

Ion	Ratio	Lower	Upper
149	100		
167	30.2	22.8	34.2
279	6.5	4.9	7.3

149 100

167 30.2 22.8 34.2

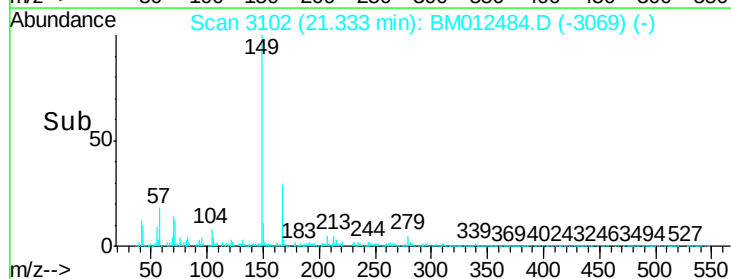
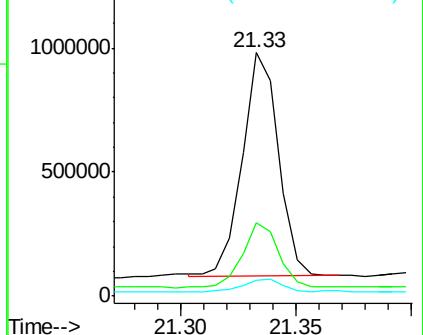
279 6.5 4.9 7.3

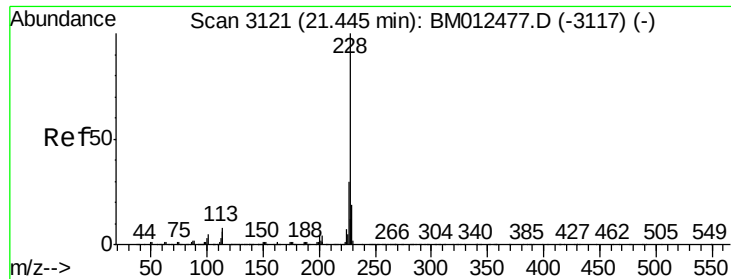


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

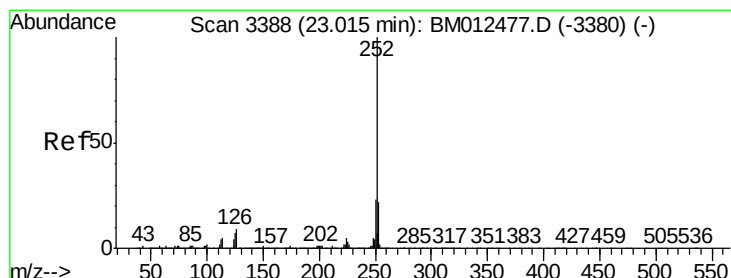
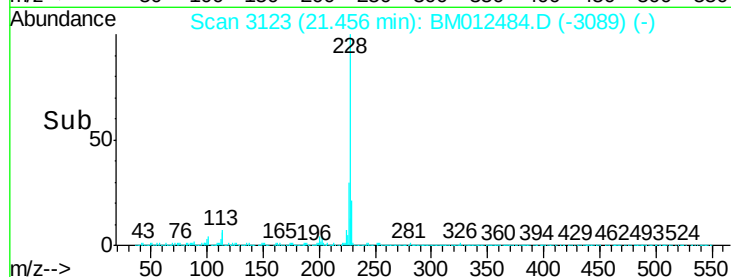
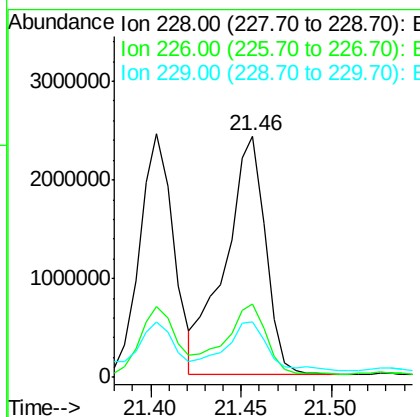
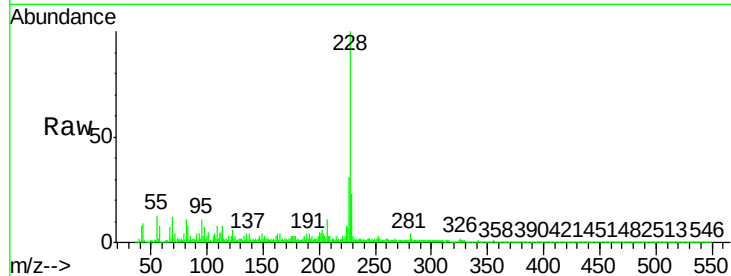




#82
Chrysene
Concen: 26.52 ng/ul
RT: 21.46 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BM012484.D
Acq: 27 Oct 2017 13:43

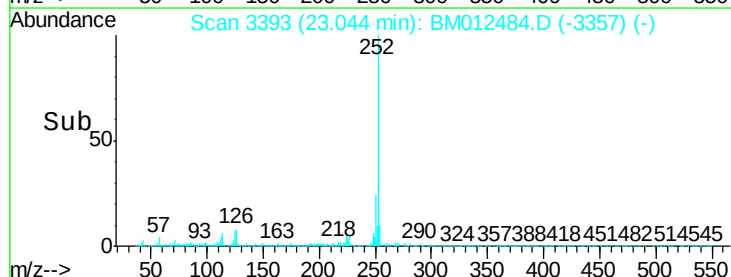
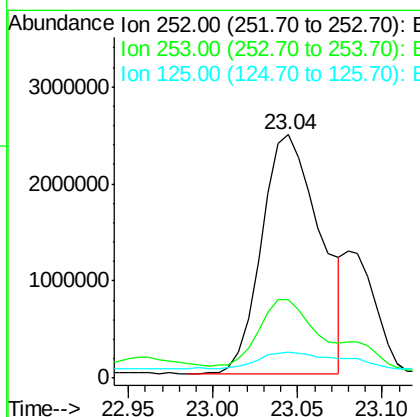
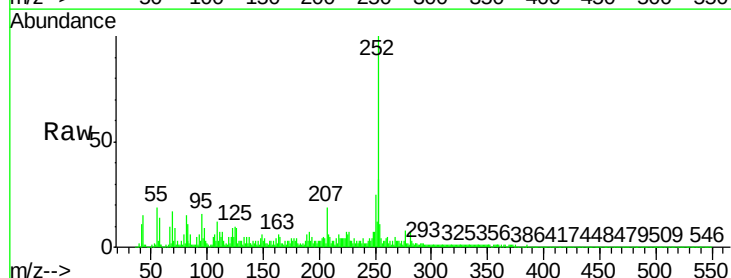
Instrument :
BNA_M
ClientSampleId :

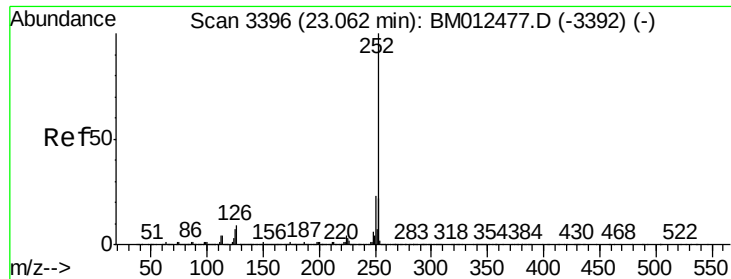
Tot Ion:228 Resp: 3716773
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 23.1 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 31.98 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. 0.01 min
Lab File: BM012484.D
Acq: 27 Oct 2017 13:43

Tgt Ion:252 Resp: 5930743
Ion Ratio Lower Upper
252 100
253 32.1 17.9 26.9#
125 10.4 3.6 5.4#

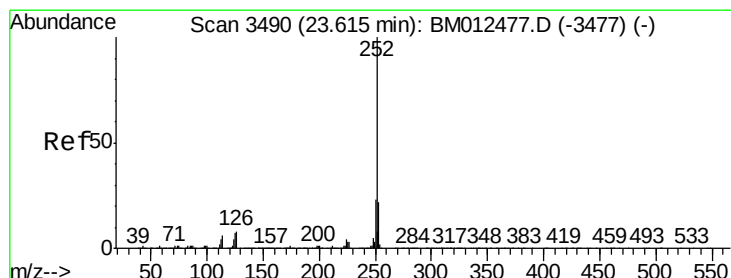
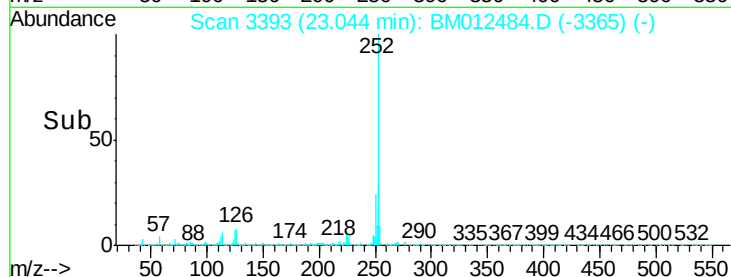
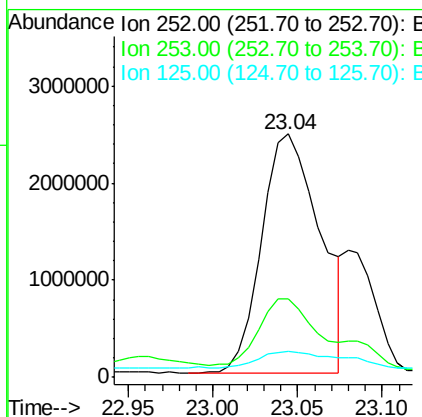
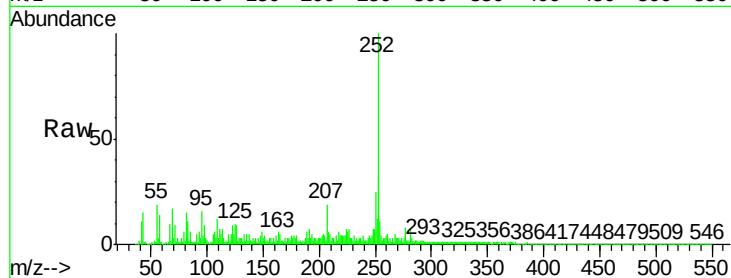




#86
Benzo(k)fluoranthene
Concen: 33.98 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. -0.04 min
Lab File: BM012484.D
Acq: 27 Oct 2017 13:43

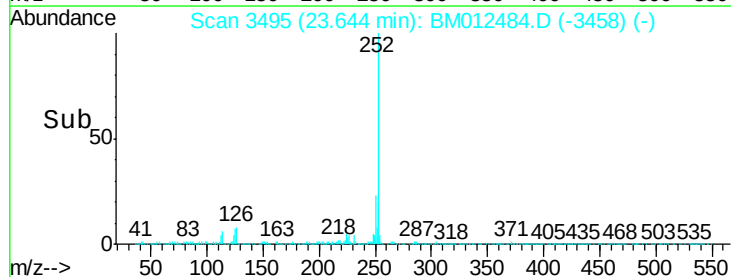
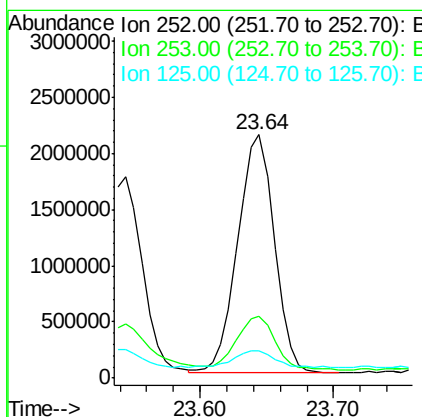
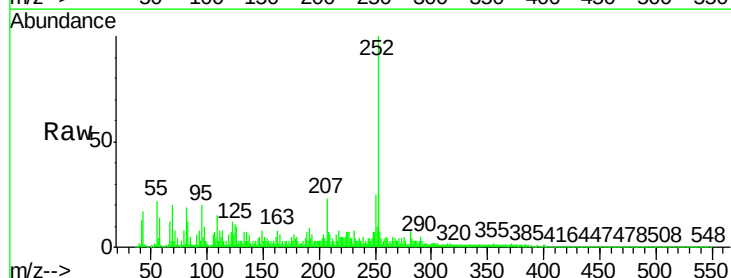
Instrument :
BNA_M
ClientSampleId :

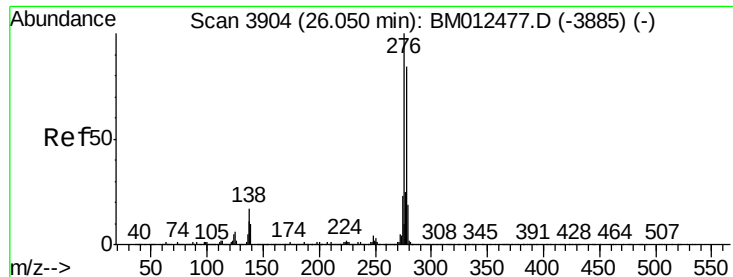
Tot Ion:252 Resp: 5930743
Ion Ratio Lower Upper
252 100
253 32.1 17.1 25.7#
125 10.4 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 22.95 ng/ul
RT: 23.64 min Scan# 3495
Delta R.T. 0.02 min
Lab File: BM012484.D
Acq: 27 Oct 2017 13:43

Tgt Ion:252 Resp: 4057342
Ion Ratio Lower Upper
252 100
253 25.6 18.2 27.2
125 11.2 4.0 6.0#



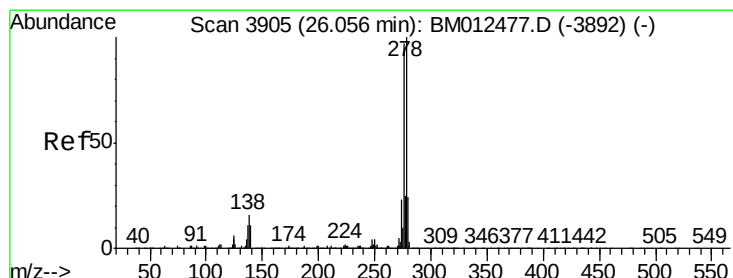
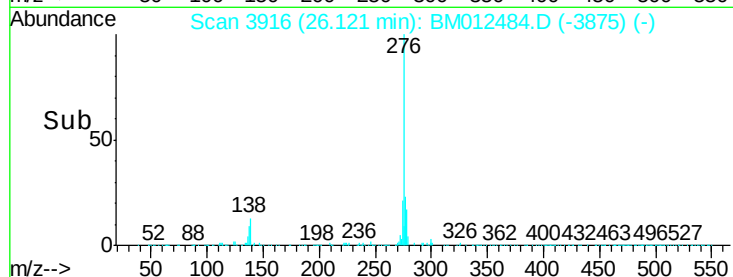
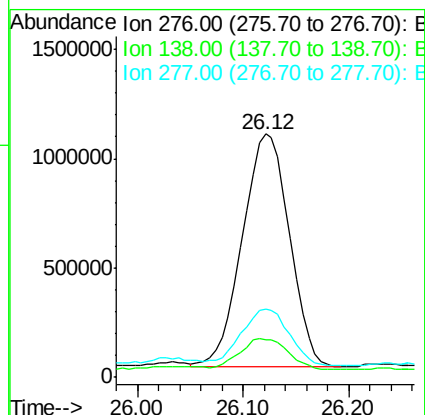
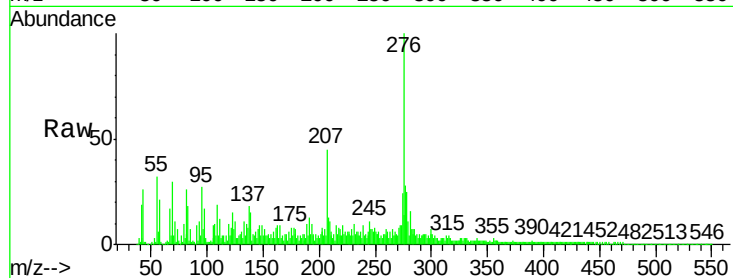


#89

Indeno(1,2,3-cd)pyrene
Concen: 15.87 ng/ul
RT: 26.12 min Scan# 3916
Delta R.T. 0.04 min
Lab File: BM012484.D
Acq: 27 Oct 2017 13:43

Instrument :
BNA_M
ClientSampleId :

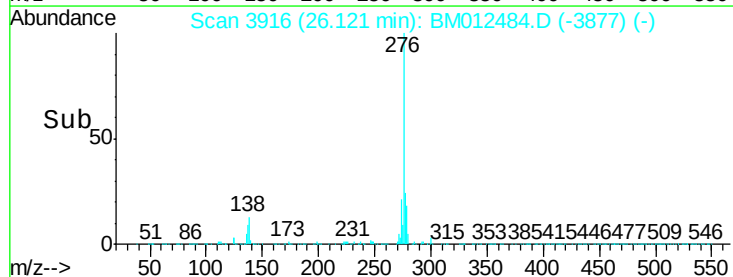
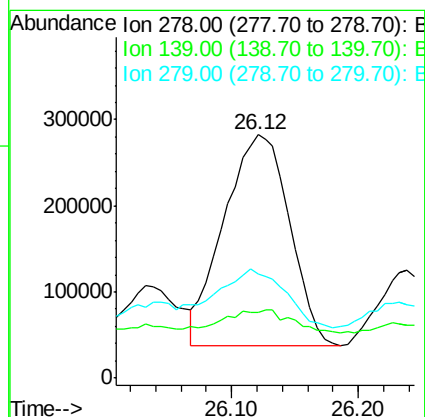
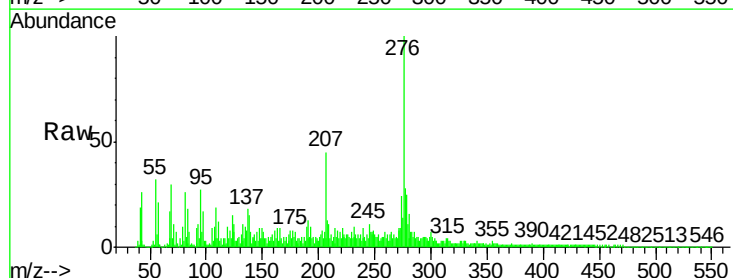
Tot Ion:276 Resp: 3302385
Ion Ratio Lower Upper
276 100
138 15.4 9.3 13.9#
277 28.2 19.9 29.9

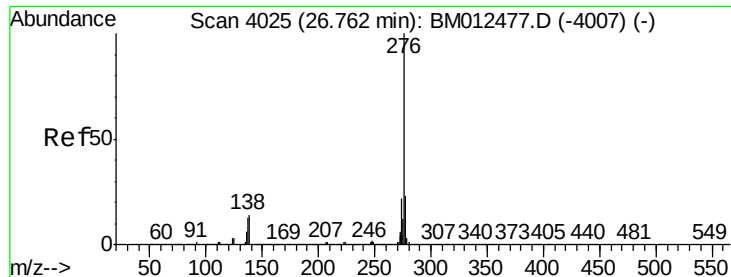


#90

Dibenzo(a,h)anthracene
Concen: 4.96 ng/ul
RT: 26.12 min Scan# 3916
Delta R.T. 0.03 min
Lab File: BM012484.D
Acq: 27 Oct 2017 13:43

Tgt Ion:278 Resp: 875390
Ion Ratio Lower Upper
278 100
139 26.9 5.8 8.8#
279 43.0 18.6 27.8#





#91

Benzo(a,h,i)perylene

Concen: 20.24 ng/ul

RT: 26.86 min Scan# 4041

Delta R.T. 0.06 min

Lab File: BM012484.D

Acq: 27 Oct 2017 13:43

Instrument :

BNA_M

ClientSampleId :

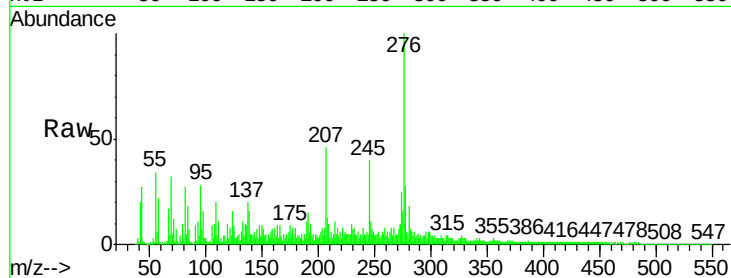
Tot Ion:276 Resp: 3413352

Ion Ratio Lower Upper

276 100

138 16.2 8.5 12.7#

277 27.6 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

