

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012487.D
 Acq On : 27 Oct 2017 15:31
 Operator : SJ/JU
 Sample : I5719-09MSD 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 28 00:17:51 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	7.88	152	488506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	1758490	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	932785	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	1871407	20.00	ng/ul	0.00
75) Chrysene-d12	21.43	240	2215403	20.00	ng/ul	0.01
83) Perylene-d12	23.75	264	2496392	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	14211	1.49	ng/uL	0.00
5) Phenol-d5	7.05	99	291063	7.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	186745	7.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	243812	7.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	231451	6.64	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	112039	10.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	107856	9.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	233916	7.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	66635	2.10	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	660707	8.11	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	791759	8.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	74308	6.13	ng/ul	0.00
57) Fluorene-d10	15.50	176	525807	7.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	9089	1.00	ng/ul	0.01
70) Anthracene-d10	17.36	188	760060	8.52	ng/ul	0.00
76) Pyrene-d10	19.64	212	822398	8.09	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.60	264	951774	8.03	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.08	94	364865	8.59	ng/ul#	84
10) 2-Chlorophenol	7.45	128	247631	7.92	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.68	70	169815	5.68	ng/ul#	64
33) 4-Chloro-3-methylphenol	11.96	107	225778	6.85	ng/ul	99
44) Dimethylphthalate	13.96	163	326927	4.06	ng/ul	100
49) Acenaphthene	14.57	153	565052	8.97	ng/ul	99
52) 4-Nitrophenol	14.73	109	70717	5.75	ng/ul#	80
54) 2,4-Dinitrotoluene	14.88	165	115460	6.02	ng/ul#	83
58) Fluorene	15.56	166	119893	1.52	ng/ul	97
68) Pentachlorophenol	16.91	266	85056	6.27	ng/ul	97
69) Phenanthrene	17.30	178	3264020	32.25	ng/ul	99
71) Anthracene	17.39	178	821201	7.85	ng/ul	98
72) Carbazole	17.66	167	601395	6.94	ng/ul	99
74) Fluoranthene	19.32	202	8582649	74.84	ng/ul#	95
77) Pyrene	19.67	202	8604268	68.30	ng/ul#	92
80) Benzo(a)anthracene	21.42	228	6796866	51.23	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.34	149	208770	2.76	ng/ul#	88
82) Chrysene	21.42	228	6796866	57.62	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	10879224	70.50	ng/ul#	96
86) Benzo(k)fluoranthene	23.06	252	10879224	74.90	ng/ul#	94
88) Benzo(a)pyrene	23.65	252	8176647	55.57	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.11	276	5653780	32.65	ng/ul#	98
90) Dibenzo(a,h)anthracene	26.11	278	1553545	10.58	ng/ul#	86

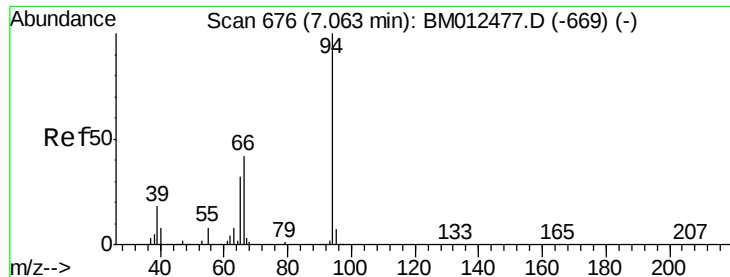
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012487.D
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Quant Time: Oct 28 00:17:51 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:35:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.84	276	4913237	35.01	ng/ul#	95

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



#6

Phenol

Concen: 8.59 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampleId :

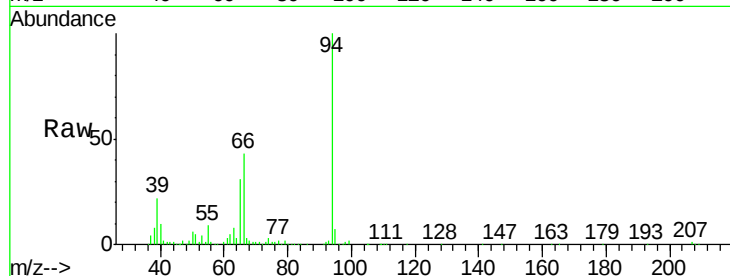
Tot Ion: 94 Resp: 364865

Ion Ratio Lower Upper

94 100

65 30.8 28.2 42.4

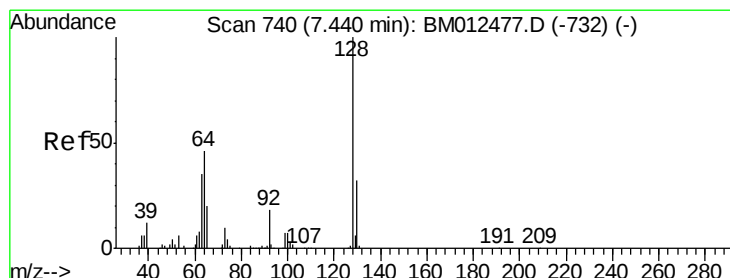
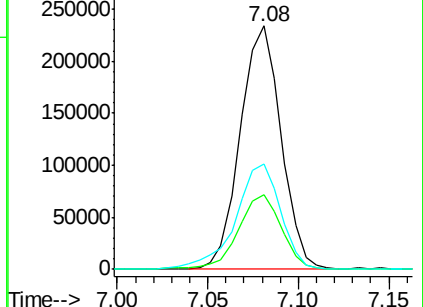
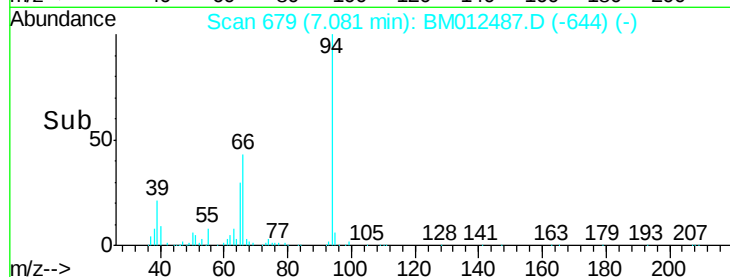
66 43.3 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012487.D (-644) (-)

Ion 65.00 (64.70 to 65.70): BM012487.D (-644) (-)

Ion 66.00 (65.70 to 66.70): BM012487.D (-644) (-)



#10

2-Chlorophenol

Concen: 7.92 ng/ul

RT: 7.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

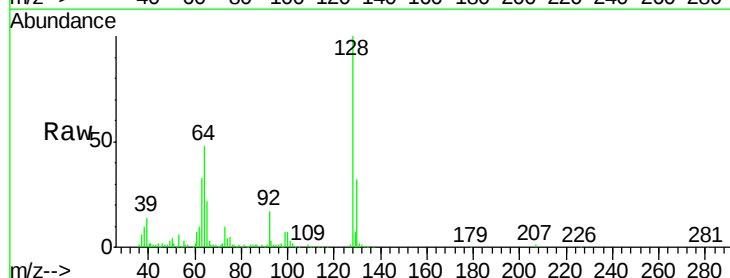
Tgt Ion: 128 Resp: 247631

Ion Ratio Lower Upper

128 100

64 47.6 38.0 57.0

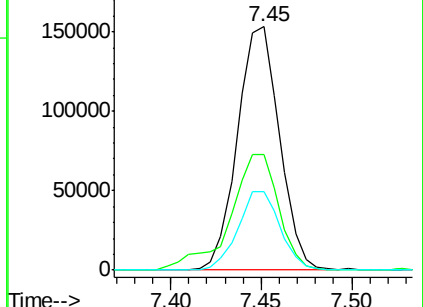
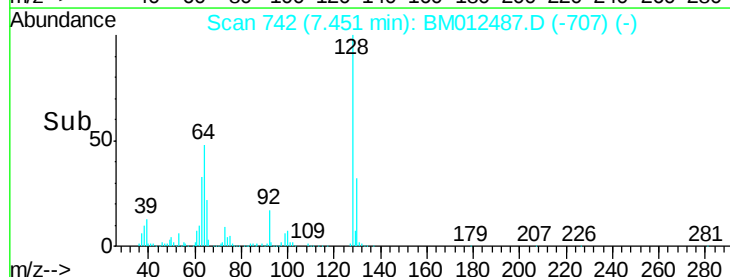
130 32.0 24.4 36.6

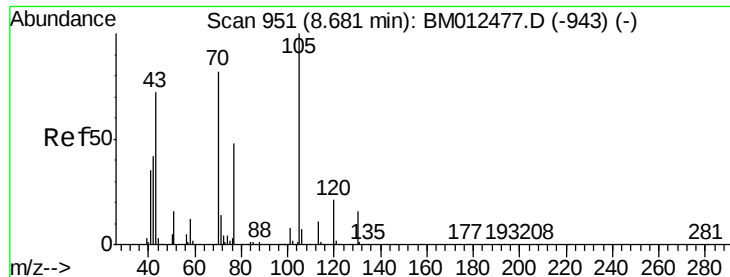


Abundance Ion 128.00 (127.70 to 128.70): BM012487.D (-707) (-)

Ion 64.00 (63.70 to 64.70): BM012487.D (-707) (-)

Ion 130.00 (129.70 to 130.70): BM012487.D (-707) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 5.68 ng/ul

RT: 8.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 169815

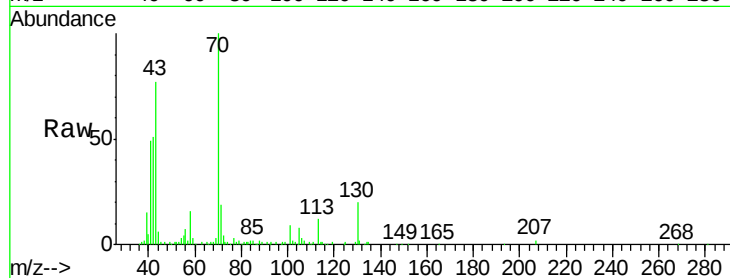
Ion Ratio Lower Upper

70 100

42 50.7 76.0 114.0#

101 9.2 6.7 10.1

130 19.7 14.6 22.0

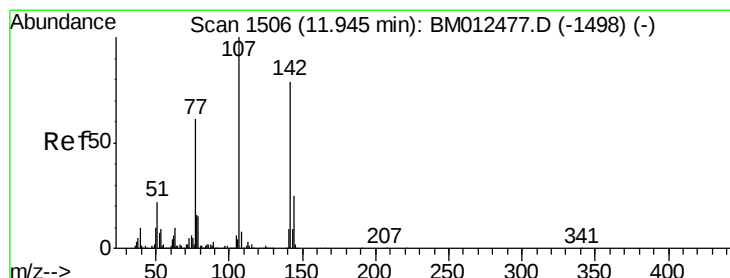
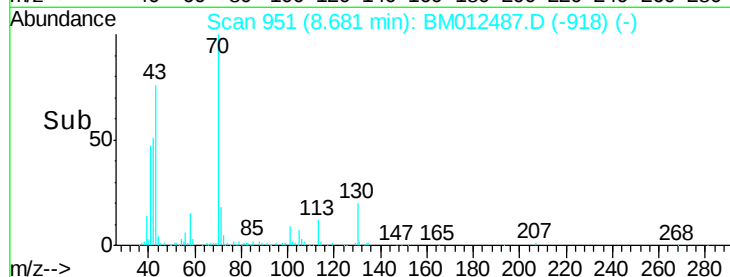
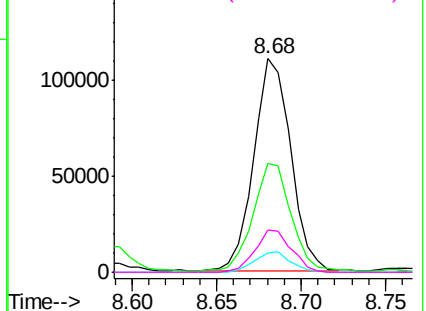


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#33

4-Chloro-3-methylphenol

Concen: 6.85 ng/ul

RT: 11.96 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

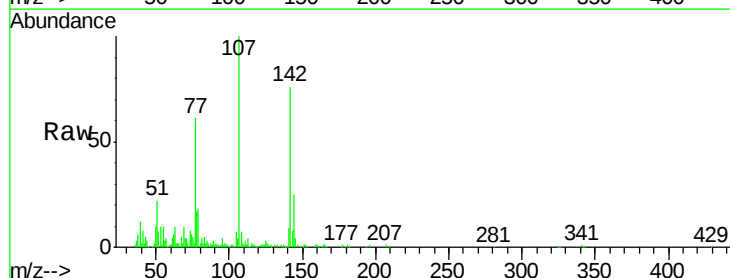
Tgt Ion: 107 Resp: 225778

Ion Ratio Lower Upper

107 100

144 24.6 20.4 30.6

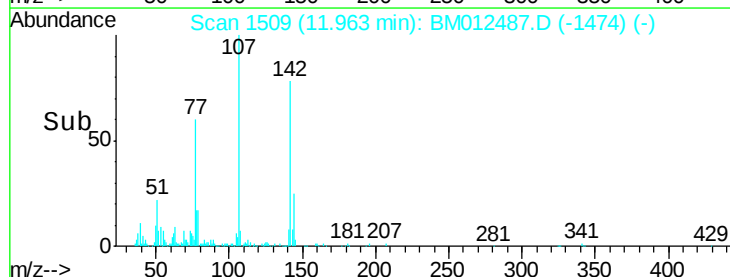
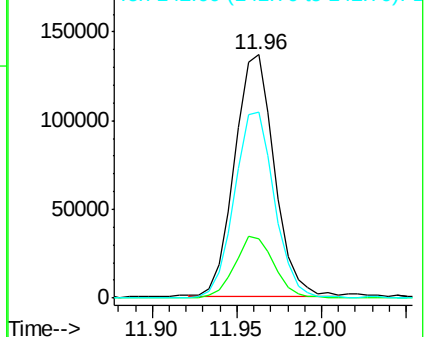
142 76.5 60.5 90.7

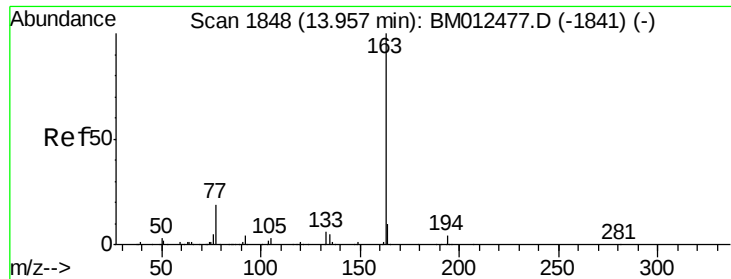


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

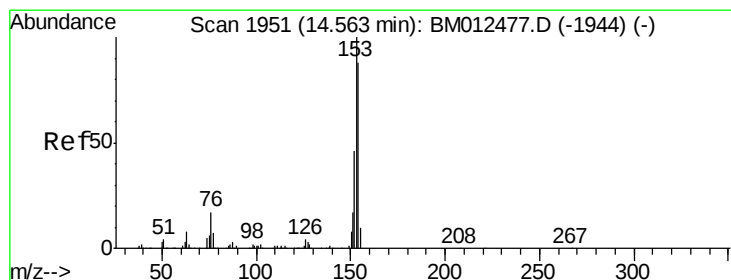
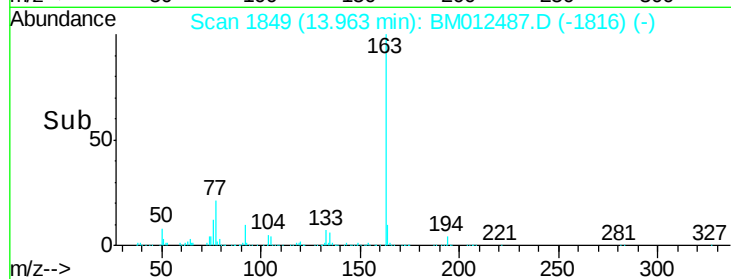
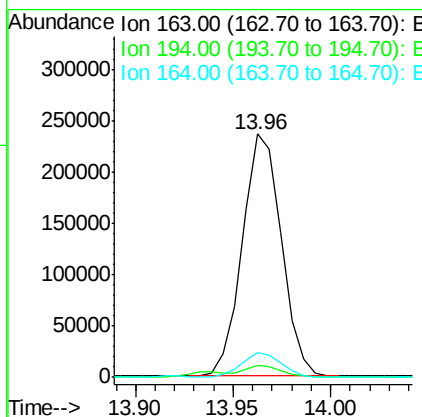
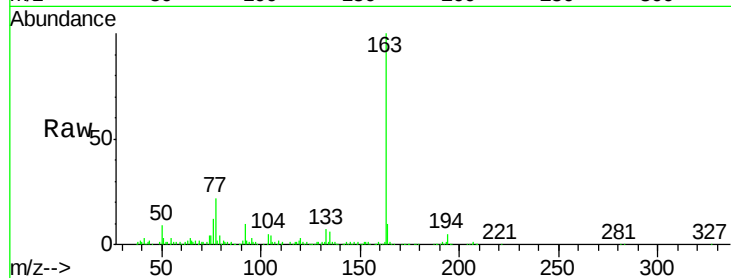




#44
Dimethylphthalate
Concen: 4.06 ng/ul
RT: 13.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BM012487.D
Acq: 27 Oct 2017 15:31

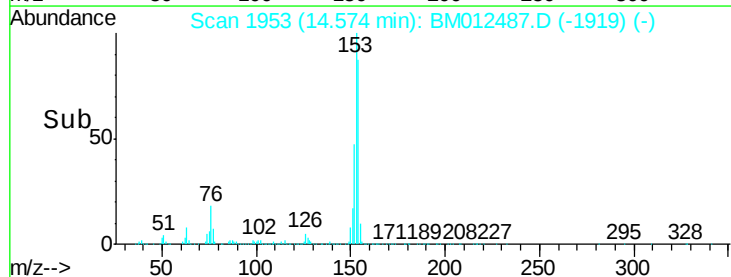
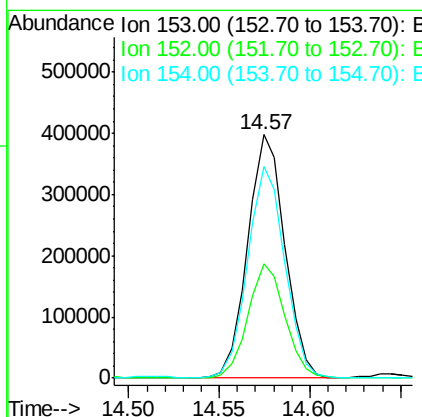
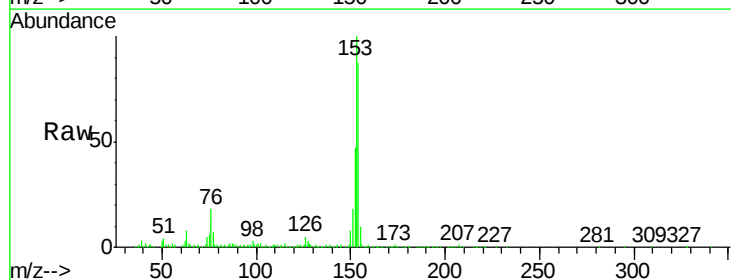
Instrument :
BNA_M
ClientSampleId :

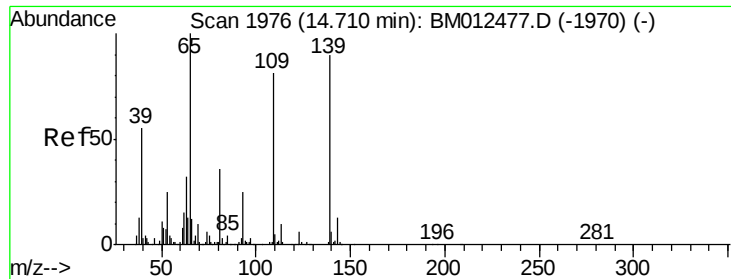
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	10.2	8.2	12.4



#49
Acenaphthene
Concen: 8.97 ng/ul
RT: 14.57 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BM012487.D
Acq: 27 Oct 2017 15:31

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.0	37.6	56.4
154	86.9	70.4	105.6

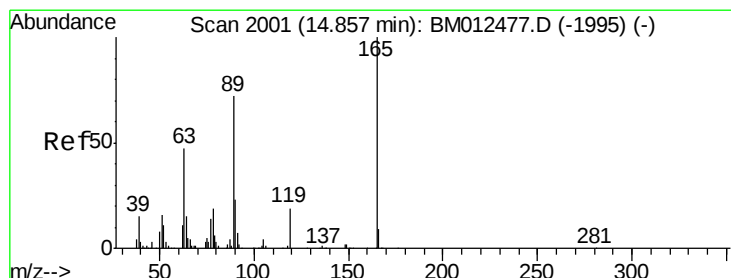
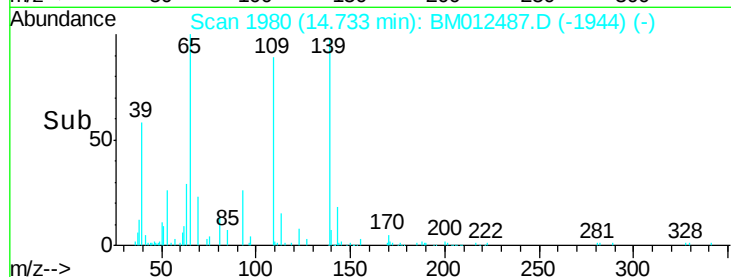
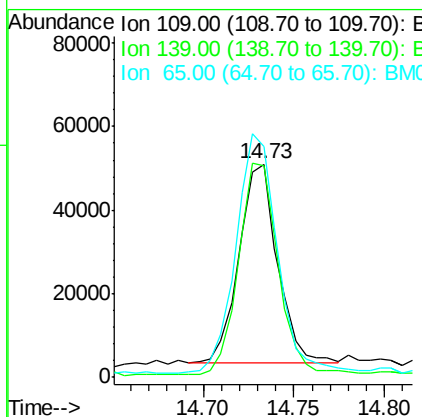
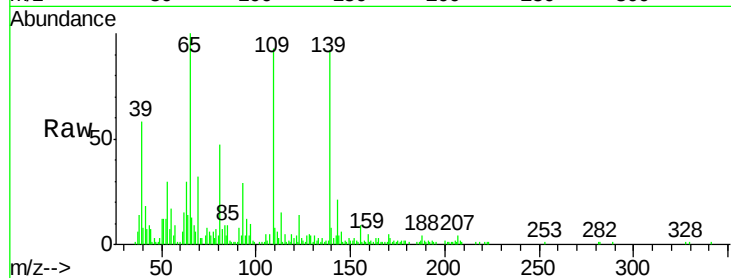




#52
4-Nitrophenol
Concen: 5.75 ng/ul
RT: 14.73 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BM012487.D
Acq: 27 Oct 2017 15:31

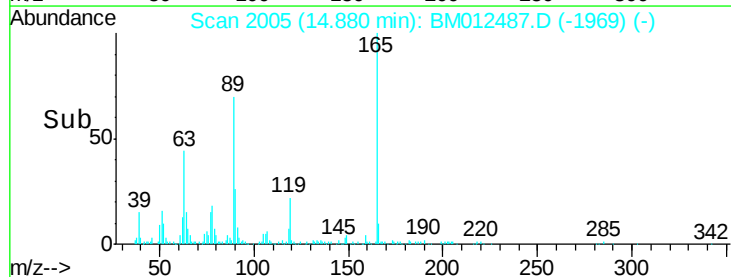
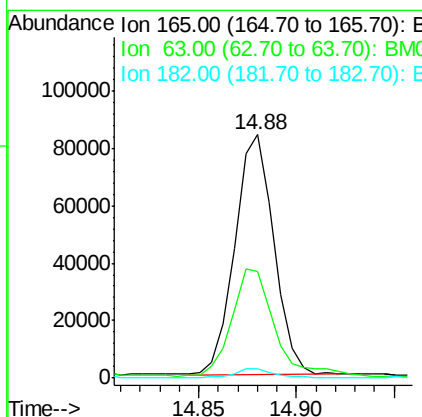
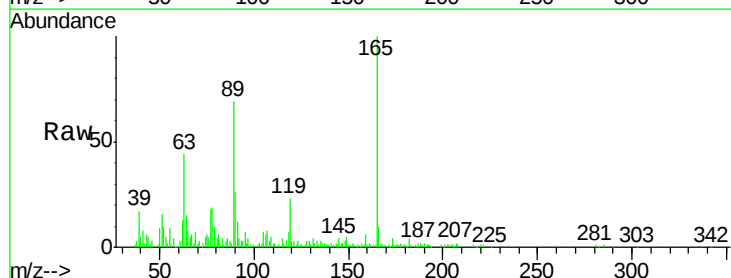
Instrument :
BNA_M
ClientSampleId :

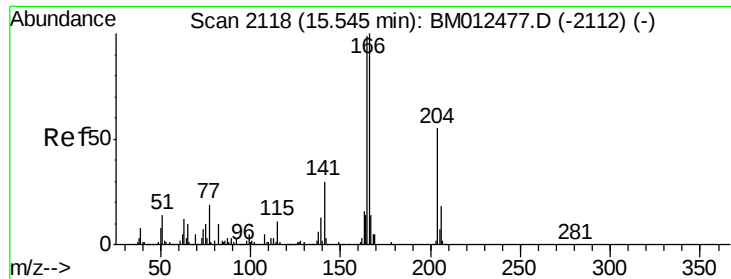
Tot Ion	Ratio	Lower	Upper
109	100		
139	98.9	80.0	120.0
65	107.9	120.0	180.0



#54
2,4-Dinitrotoluene
Concen: 6.02 ng/ul
RT: 14.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BM012487.D
Acq: 27 Oct 2017 15:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.7	45.8	68.8
182	3.6	2.6	4.0

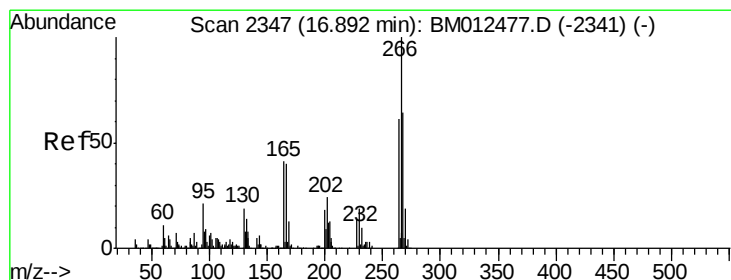
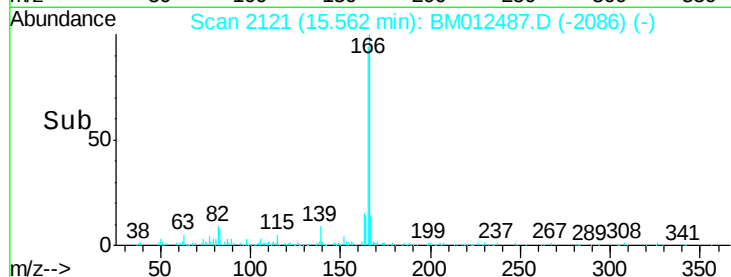
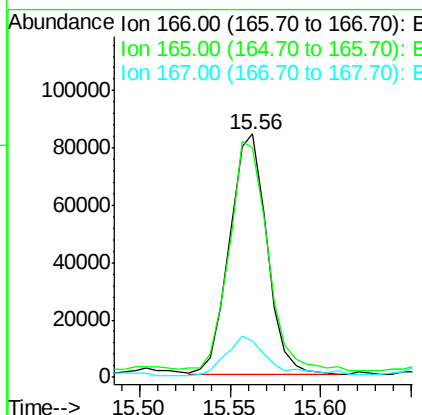
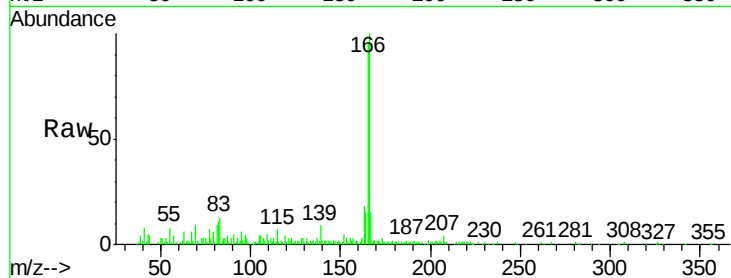




#58
 Fluorene
 Concen: 1.52 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BM012487.D
 Acq: 27 Oct 2017 15:31

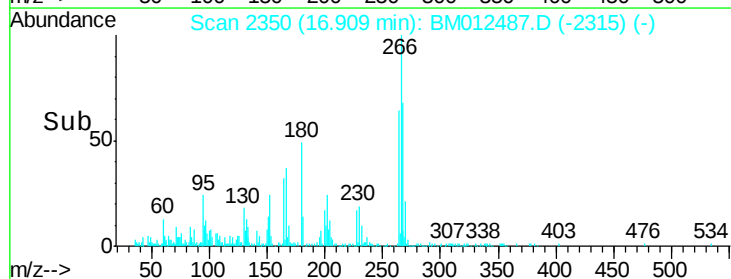
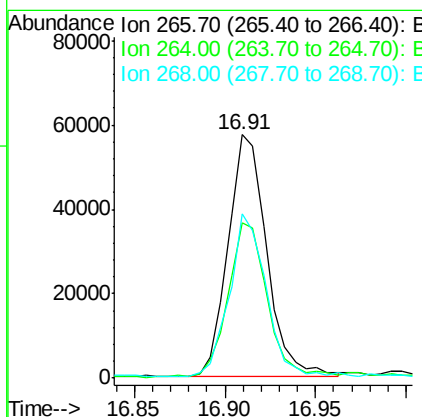
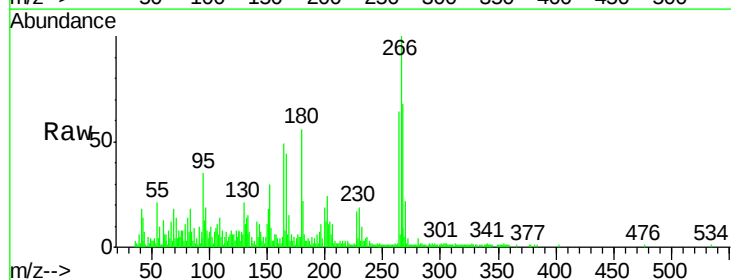
Instrument :
 BNA_M
 ClientSampleId :

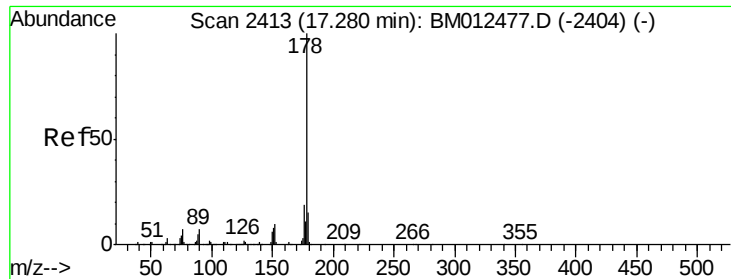
Tot Ion	Ratio	Lower	Upper
166	100		
165	94.5	77.9	116.9
167	14.8	10.6	16.0



#68
 Pentachlorophenol
 Concen: 6.27 ng/ul
 RT: 16.91 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: BM012487.D
 Acq: 27 Oct 2017 15:31

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.0	49.3	73.9
268	67.5	52.6	78.8





#69

Phenanthrene

Concen: 32.25 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

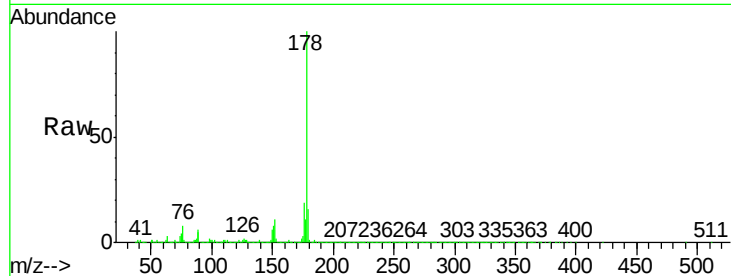
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 3264020

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.1	14.9	22.3

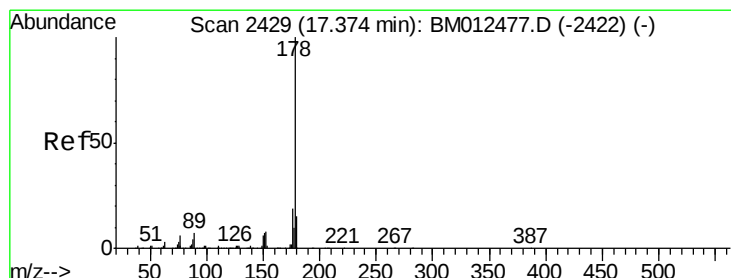
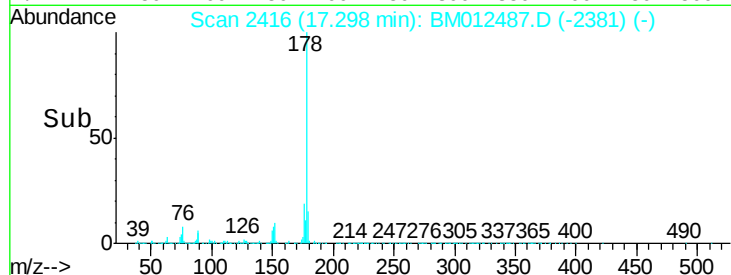
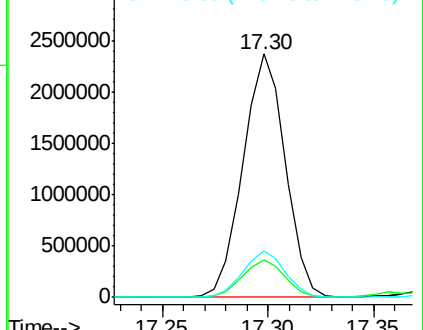


Abundance

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: 7.85 ng/ul

RT: 17.39 min Scan# 2431

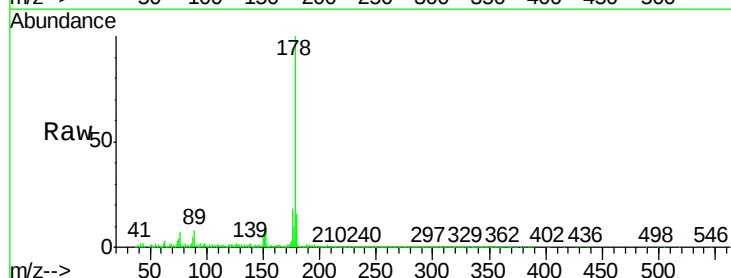
Delta R.T. -0.00 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Tgt Ion:178 Resp: 821201

Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.7	17.5
176	18.5	14.6	21.8

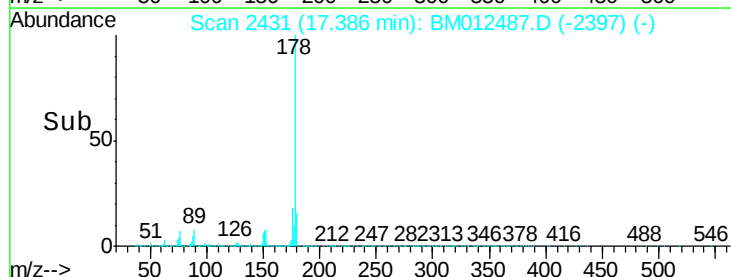
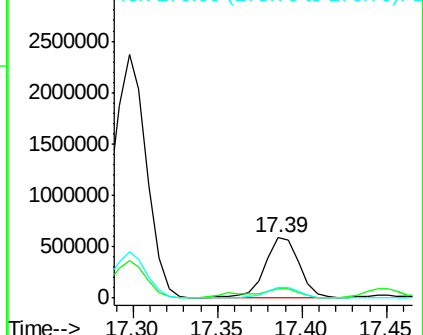


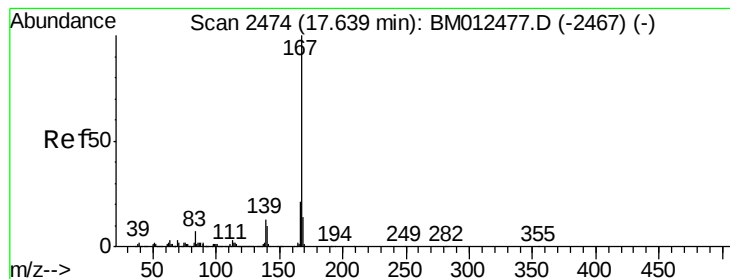
Abundance

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





#72

Carbazole

Concen: 6.94 ng/ul

RT: 17.66 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampleId :

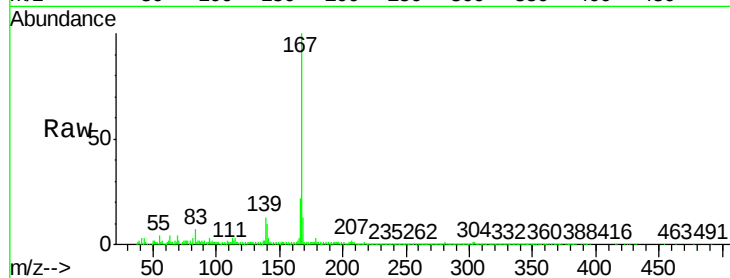
Tot Ion:167 Resp: 601395

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

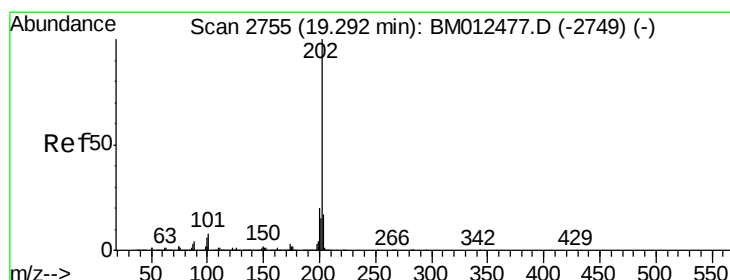
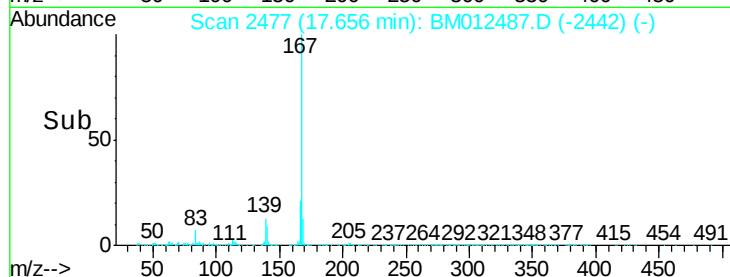
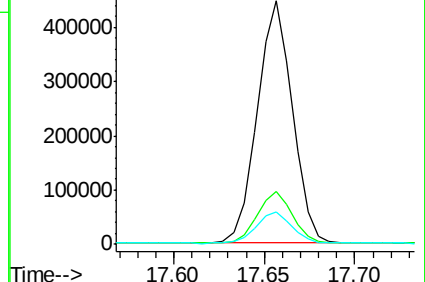
139 13.1 10.0 15.0



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: 74.84 ng/ul

RT: 19.32 min Scan# 2759

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

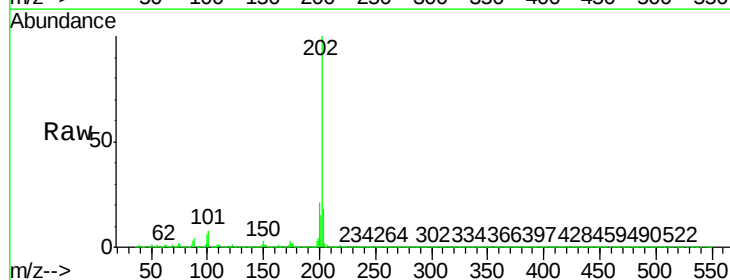
Tgt Ion:202 Resp: 8582649

Ion Ratio Lower Upper

202 100

101 7.6 4.6 7.0#

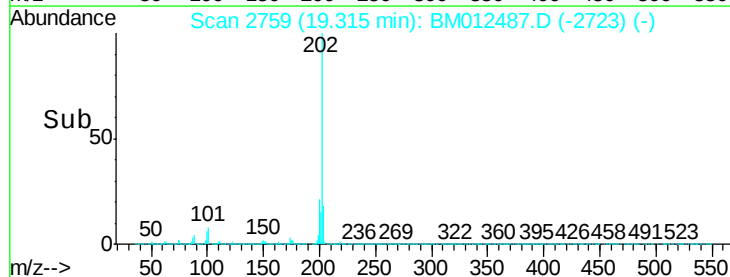
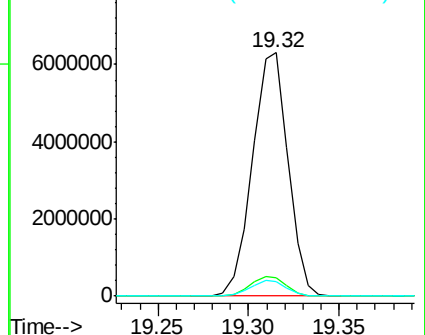
100 6.0 3.4 5.2#

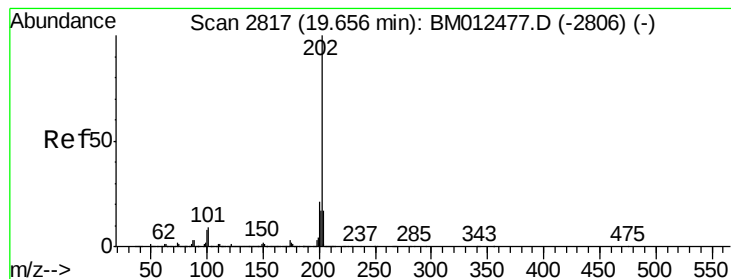


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 68.30 ng/ul

RT: 19.67 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

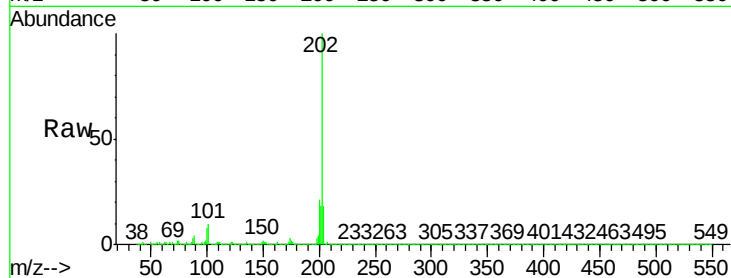
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 8604268

Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	8.2	4.9	7.3#

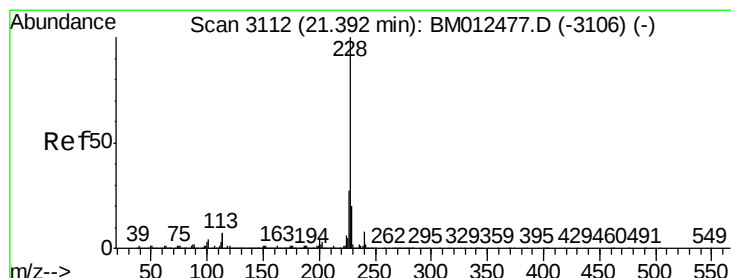
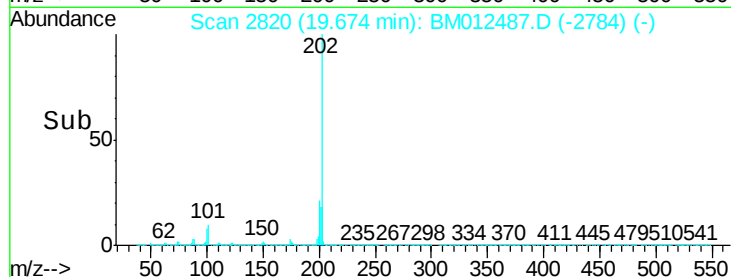
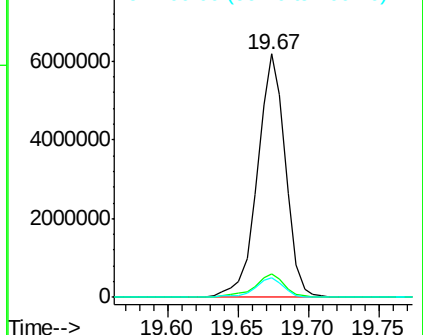


Abundance

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: 51.23 ng/ul

RT: 21.42 min Scan# 3116

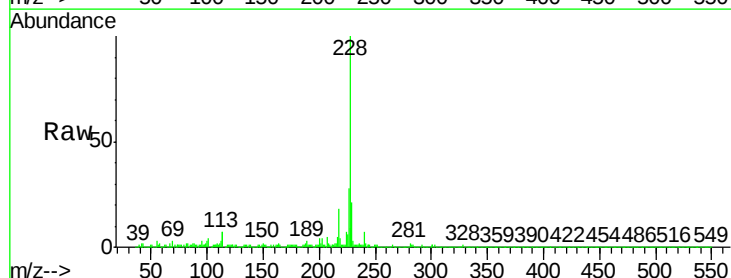
Delta R.T. 0.01 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Tgt Ion:228 Resp: 6796866

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	28.1	21.4	32.0

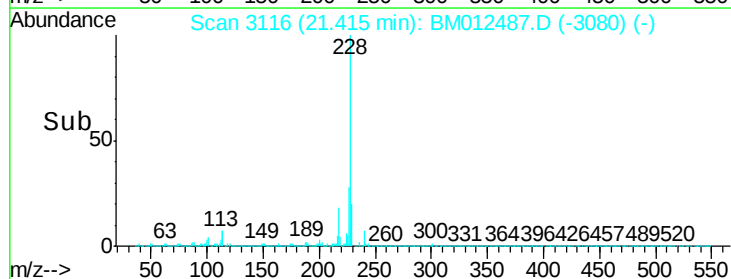
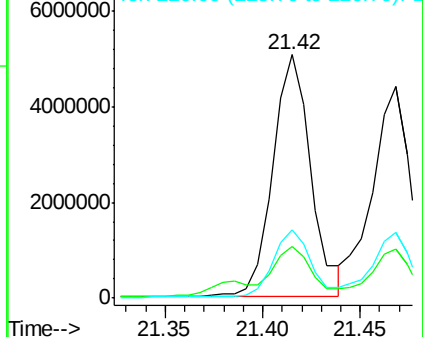


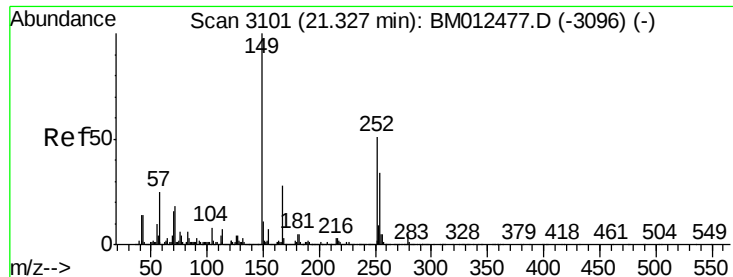
Abundance

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: 2.76 ng/ul

RT: 21.34 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampleId :

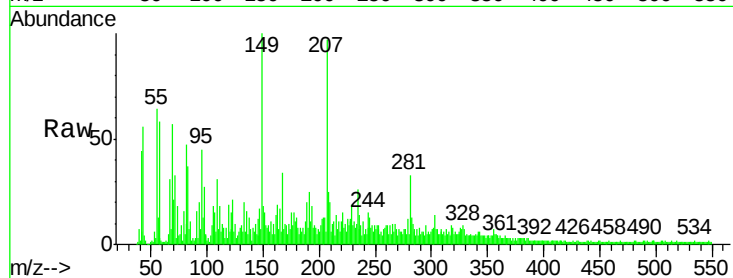
Tot Ion:149 Resp: 208770

Ion Ratio Lower Upper

149 100

167 34.3 22.8 34.2#

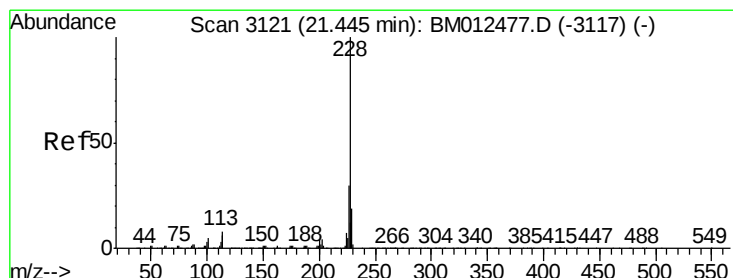
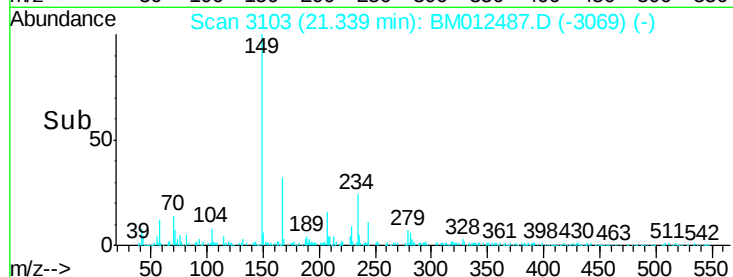
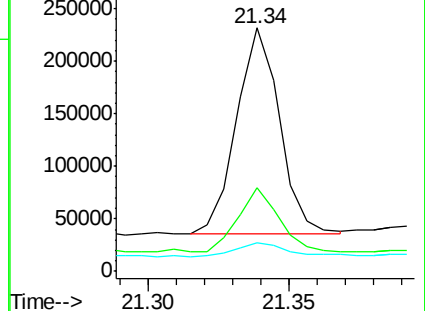
279 11.6 4.9 7.3#



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: 57.62 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. -0.04 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

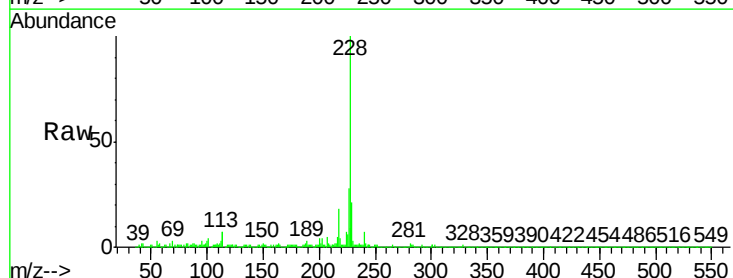
Tgt Ion:228 Resp: 6796866

Ion Ratio Lower Upper

228 100

226 28.1 23.4 35.2

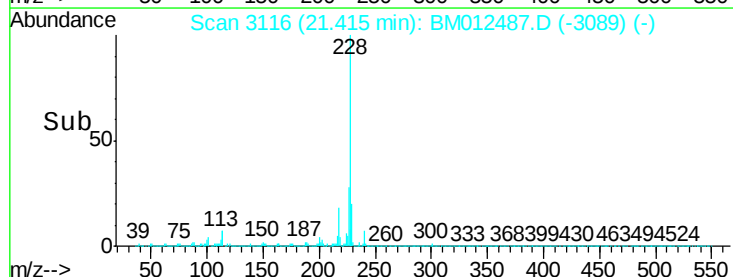
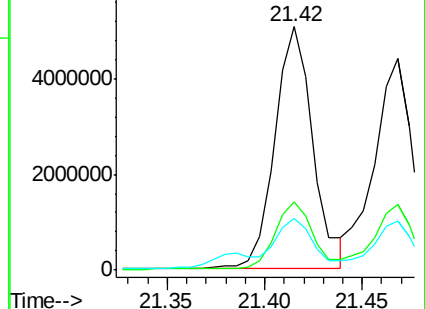
229 21.0 15.5 23.3

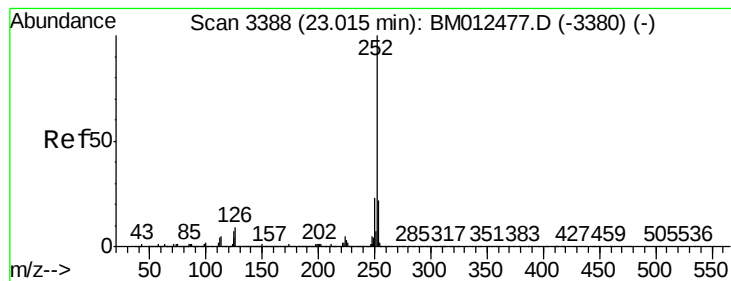


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 70.50 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. 0.02 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampled :

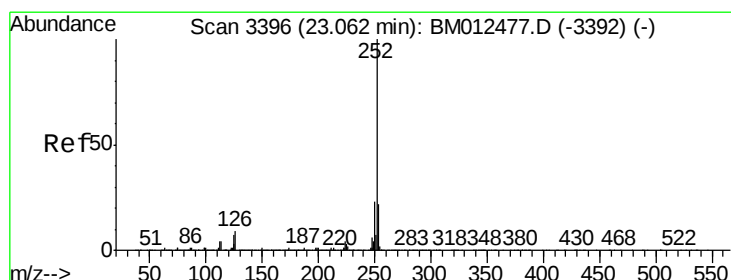
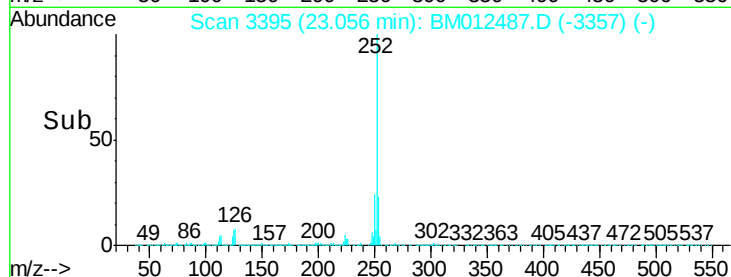
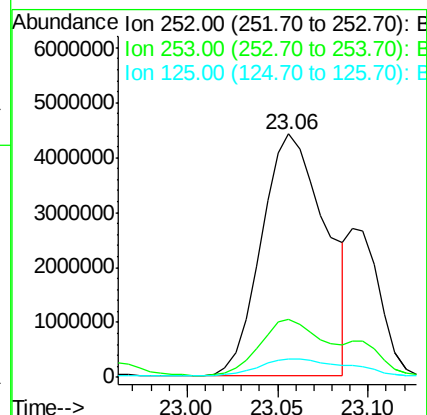
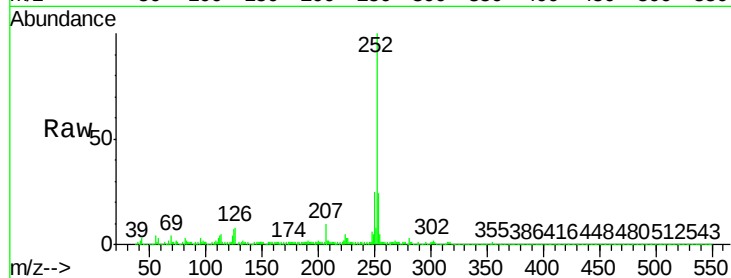
Tot Ion:252 Resp:10879224

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 7.4 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 74.90 ng/ul

RT: 23.06 min Scan# 3395

Delta R.T. -0.02 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

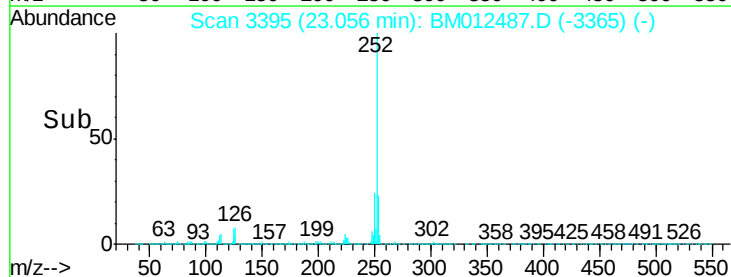
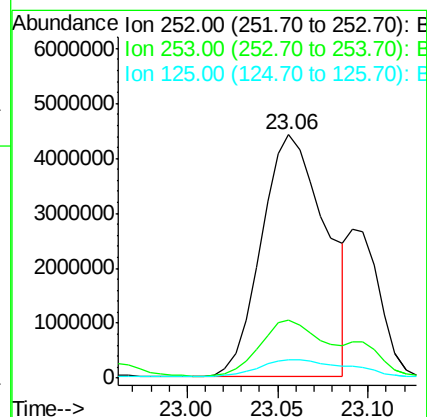
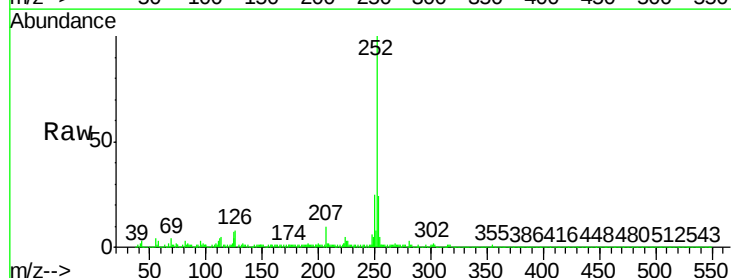
Tgt Ion:252 Resp:10879224

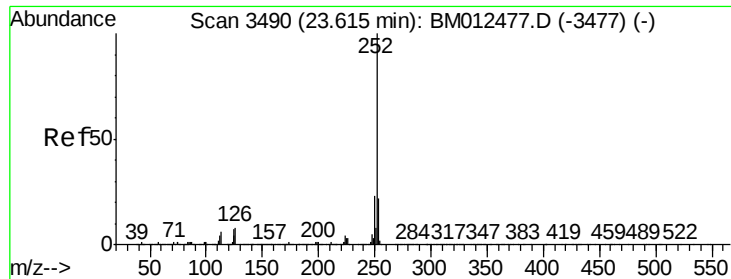
Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 7.4 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 55.57 ng/ul

RT: 23.65 min Scan# 3496

Delta R.T. 0.02 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampleId :

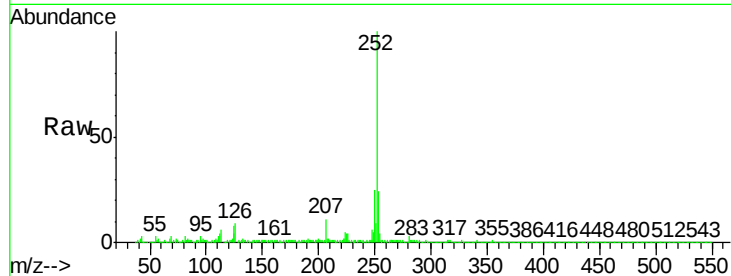
Tot Ion:252 Resp: 8176647

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

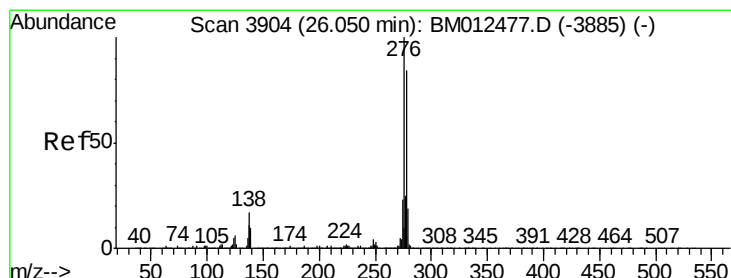
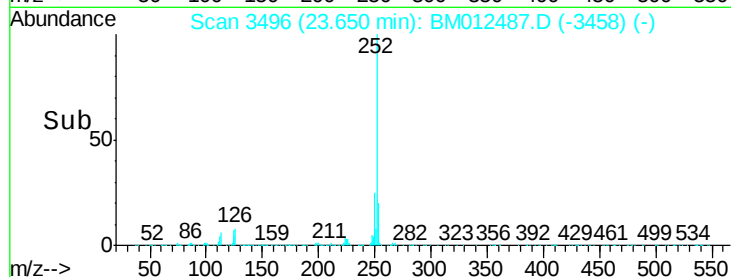
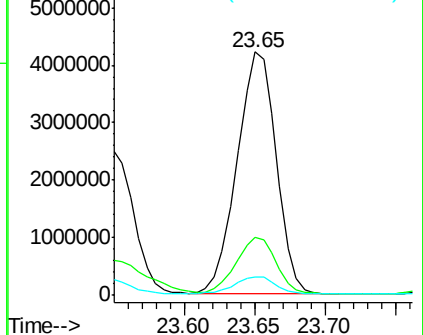
125 7.6 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 32.65 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.04 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

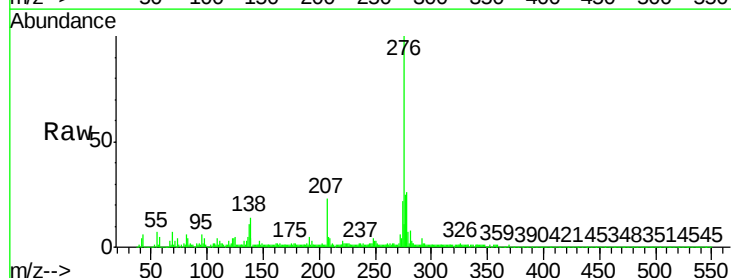
Tgt Ion:276 Resp: 5653780

Ion Ratio Lower Upper

276 100

138 14.1 9.3 13.9#

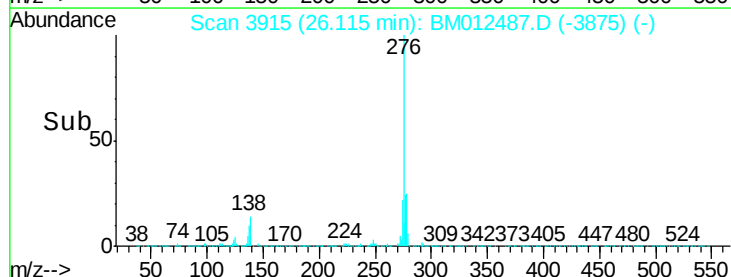
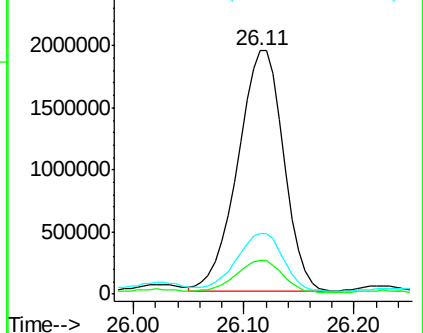
277 25.1 19.9 29.9

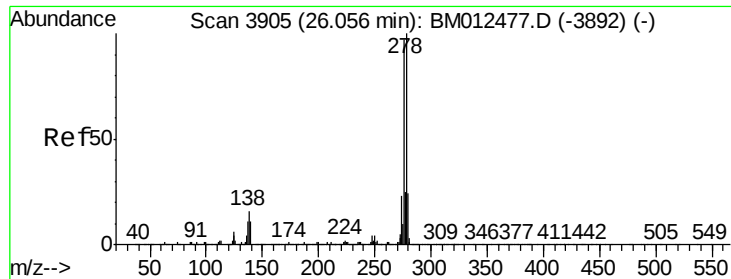


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 10.58 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

Instrument :

BNA_M

ClientSampleId :

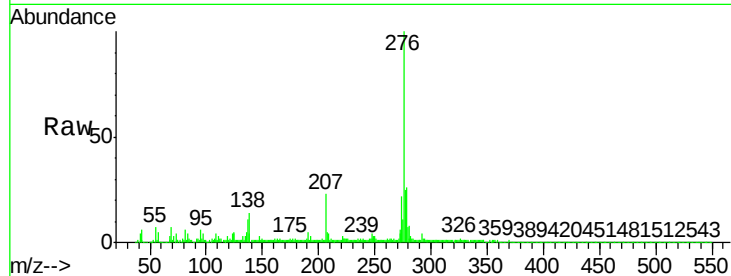
Tot Ion:278 Resp: 1553545

Ion Ratio Lower Upper

278 100

139 15.9 5.8 8.8#

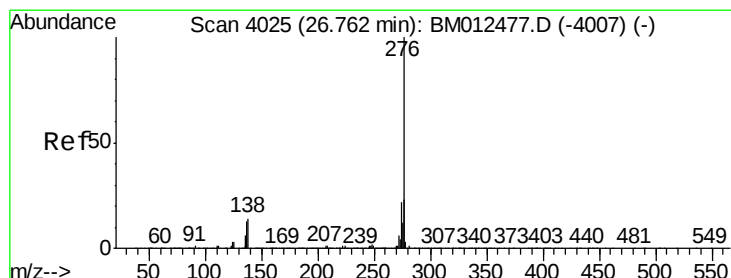
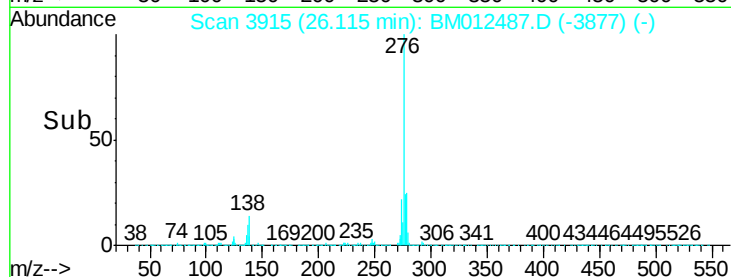
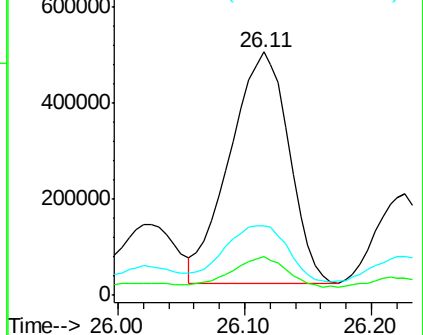
279 28.3 18.6 27.8#



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: 35.01 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BM012487.D

Acq: 27 Oct 2017 15:31

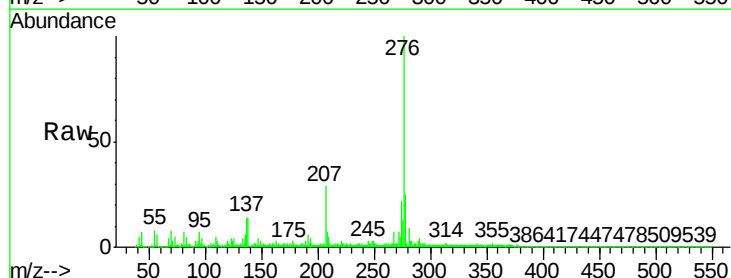
Tgt Ion:276 Resp: 4913237

Ion Ratio Lower Upper

276 100

138 14.1 8.5 12.7#

277 25.0 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

