

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012457.D
 Acq On : 25 Oct 2017 23:00
 Operator : SJ/JU
 Sample : I5719-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 06:12:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 05:23:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	631788	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2654827	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1733651	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	4177445	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	3682071	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	3334086	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	19801	1.60	ng/uL	0.00
5) Phenol-d5	7.05	99	446257	8.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	448767	14.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	347958	8.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	388968	8.62	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	198685	11.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	200615	11.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	408702	9.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	326522	6.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	1372257	9.06	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1706347	9.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	138916	6.17	ng/ul	0.00
57) Fluorene-d10	15.50	176	1231485	9.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	80499	3.98	ng/ul	0.00
70) Anthracene-d10	17.35	188	1924331	9.67	ng/ul	0.00
76) Pyrene-d10	19.64	212	1988326	11.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1495076	9.44	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	7.03	77	120351	4.19	ng/ul#	57
6) Phenol	7.07	94	136599	2.49	ng/ul	91
15) N-Nitroso-di-n-propylamine	8.72	70	43949	1.14	ng/ul#	78
17) Hexachloroethane	8.99	117	185002	10.79	ng/ul#	1
20) Nitrobenzene	9.09	77	83187	1.74	ng/ul#	55
21) Isophorone	9.60	82	399510	3.94	ng/ul#	1
23) 2-Nitrophenol	9.81	139	27943	1.47	ng/ul#	16
24) 2,4-Dimethylphenol	9.89	107	145442	2.72	ng/ul#	77
28) Naphthalene	10.73	128	198525	1.51	ng/ul#	87
32) Caprolactam	11.70	113	83353	5.81	ng/ul	82
44) Dimethylphthalate	13.96	163	829057	5.53	ng/ul	99
69) Phenanthrene	17.29	178	886095	3.92	ng/ul	100
74) Fluoranthene	19.30	202	1314995	5.14	ng/ul#	94
77) Pyrene	19.67	202	1240925	5.93	ng/ul#	95
80) Benzo(a)anthracene	21.41	228	598274	2.71	ng/ul	94
82) Chrysene	21.41	228	598274	3.05	ng/ul	97
85) Benzo(b)fluoranthene	23.04	252	730428	3.54	ng/ul#	81
86) Benzo(k)fluoranthene	23.04	252	730428	3.77	ng/ul#	79
88) Benzo(a)pyrene	23.63	252	470943	2.40	ng/ul#	88
89) Indeno(1,2,3-cd)pyrene	26.08	276	347662	1.50	ng/ul#	90
91) Benzo(a,h,i)perylene	26.80	276	319383	1.70	ng/ul#	90

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012457.D
Acq On : 25 Oct 2017 23:00
Operator : SJ/JU
Sample : I5719-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 26 06:12:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 05:23:19 2017
Response via : Initial Calibration

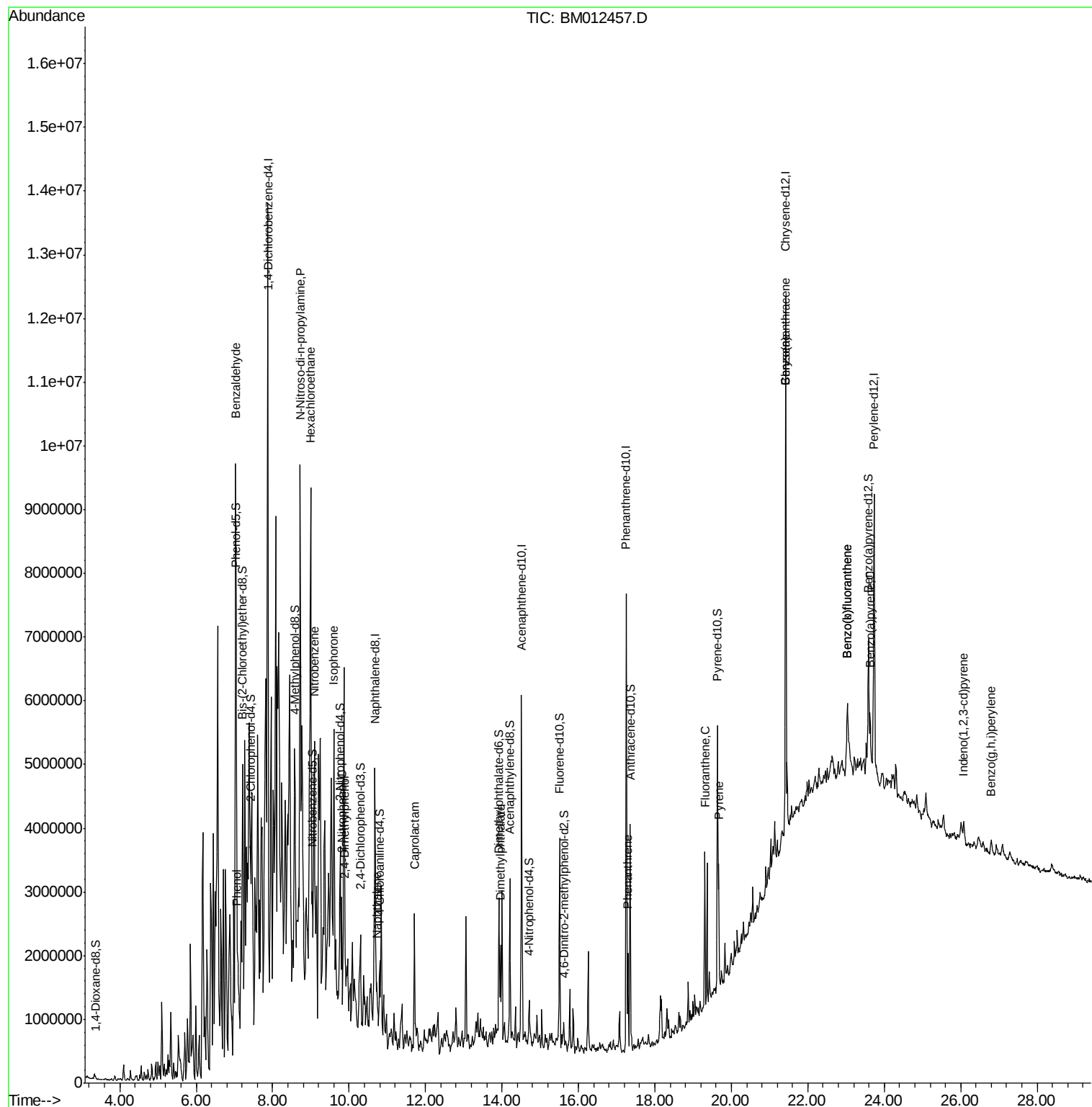
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

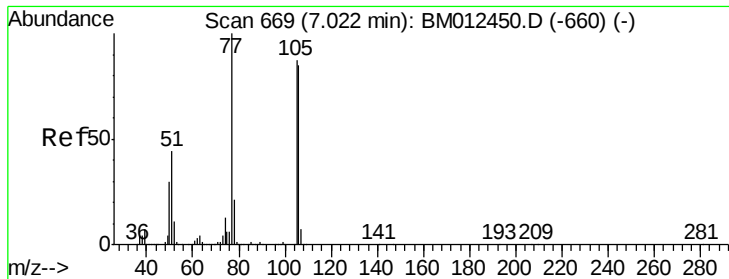
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012457.D
Acq On : 25 Oct 2017 23:00
Operator : SJ/JU
Sample : I5719-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Oct 26 06:12:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 05:23:19 2017
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 4.19 ng/ul

RT: 7.03 min Scan# 671

Delta R.T. 0.01 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

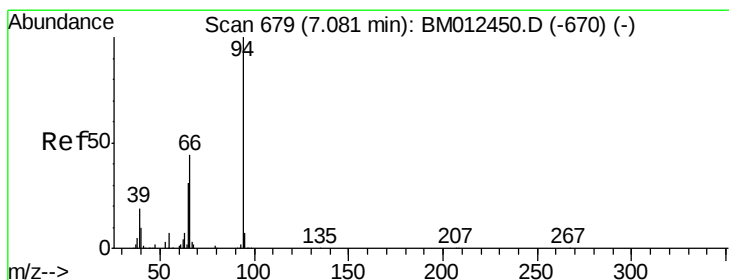
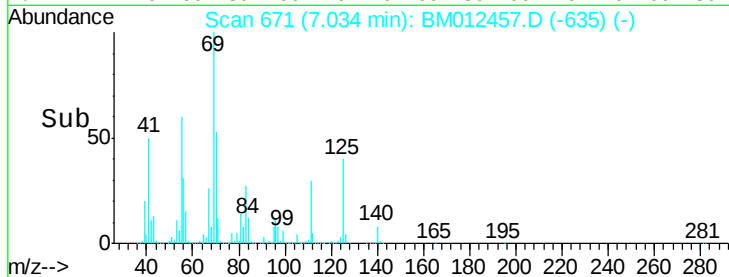
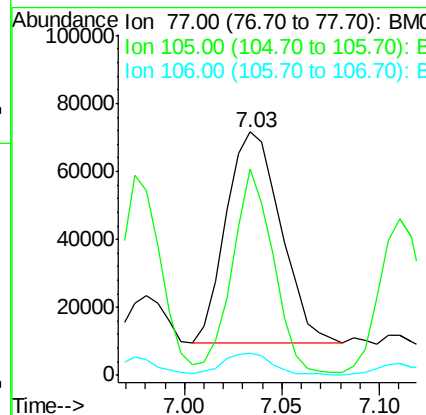
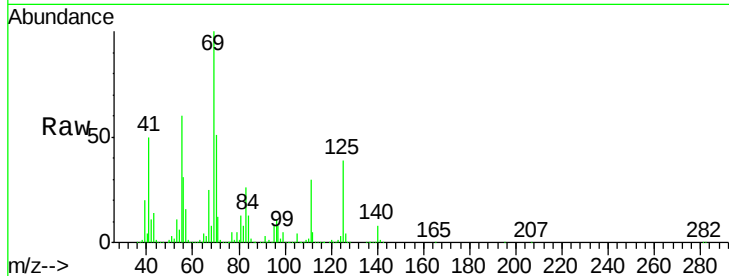
Instrument :

BNA_M

ClientSampled :

Tot Ion: 77 Resp: 120351

Ion	Ratio	Lower	Upper
77	100		
105	85.0	66.1	99.1
106	9.1	67.8	101.6



#6

Phenol

Concen: 2.49 ng/ul

RT: 7.07 min Scan# 678

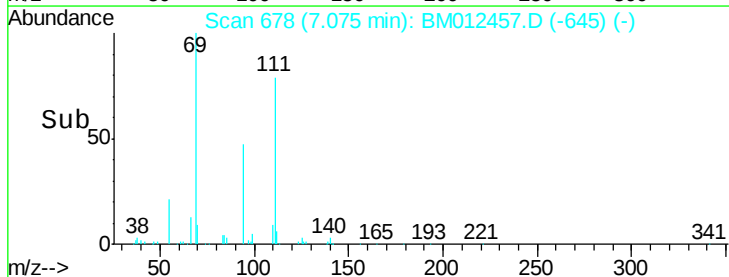
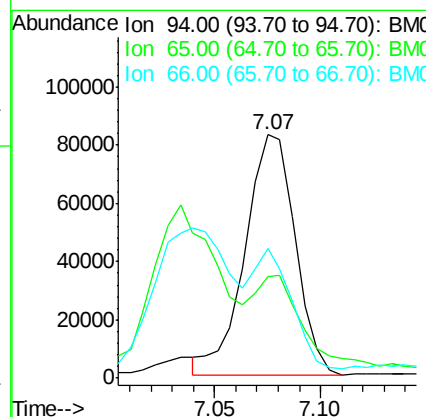
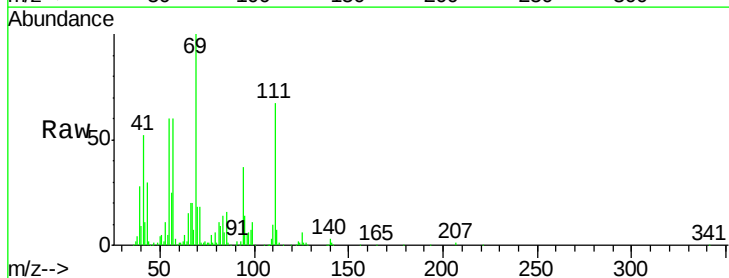
Delta R.T. -0.01 min

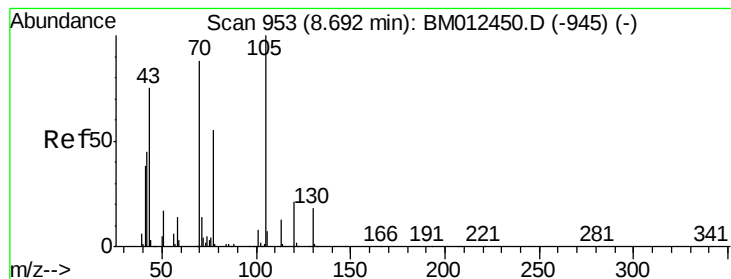
Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Tgt Ion: 94 Resp: 136599

Ion	Ratio	Lower	Upper
94	100		
65	41.5	28.2	42.4
66	53.0	47.2	70.8





#15

N-Nitroso-di-n-propylamine

Concen: 1.14 ng/ul

RT: 8.72 min Scan# 957

Delta R.T. 0.02 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 43949

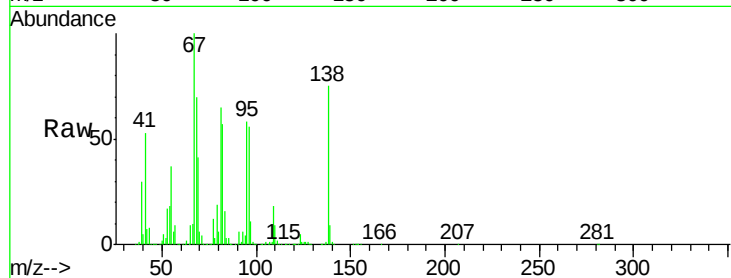
Ion Ratio Lower Upper

70 100

42 112.7 76.0 114.0

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

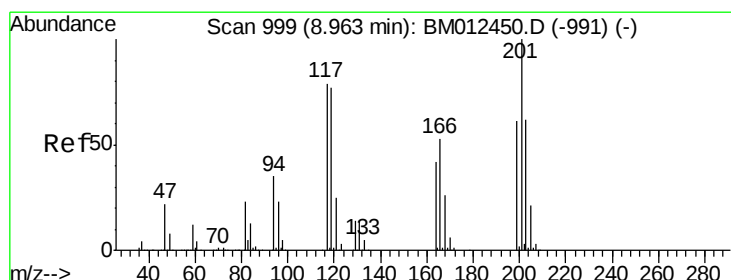
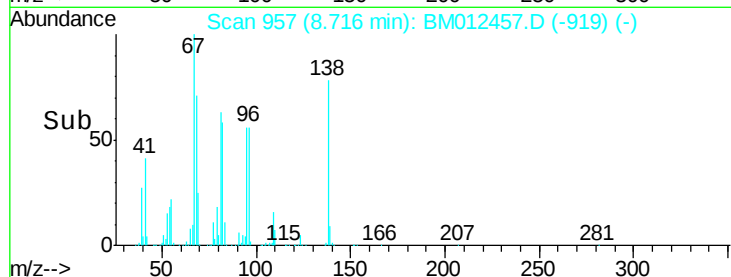
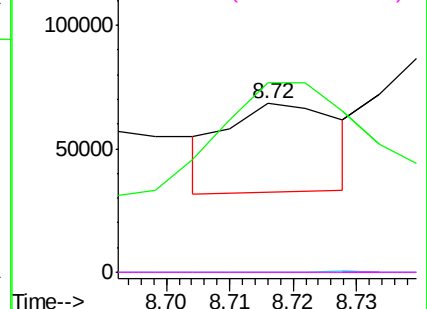


Abundance Ion 70.00 (69.70 to 70.70): BM0

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



#17

Hexachloroethane

Concen: 10.79 ng/ul

RT: 8.99 min Scan# 1004

Delta R.T. 0.03 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

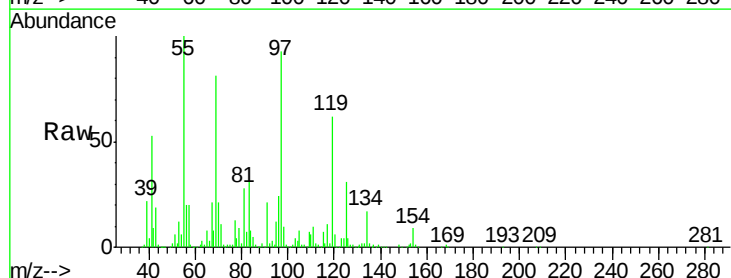
Tgt Ion: 117 Resp: 185002

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

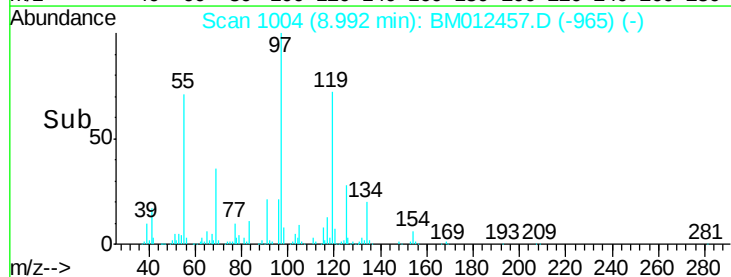
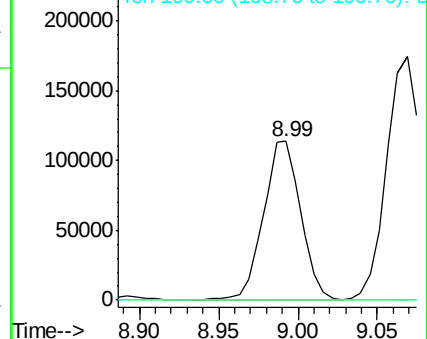
199 0.0 67.8 101.6#

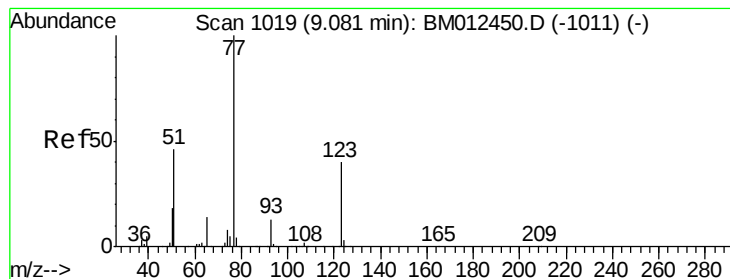


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#20

Nitrobenzene

Concen: 1.74 ng/ul

RT: 9.09 min Scan# 1020

Delta R.T. 0.01 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampled :

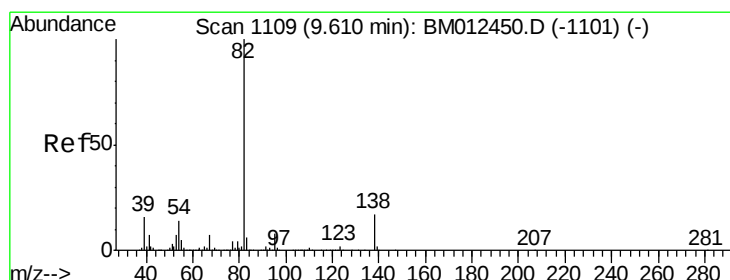
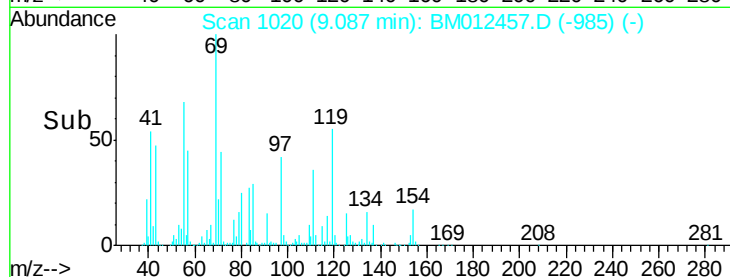
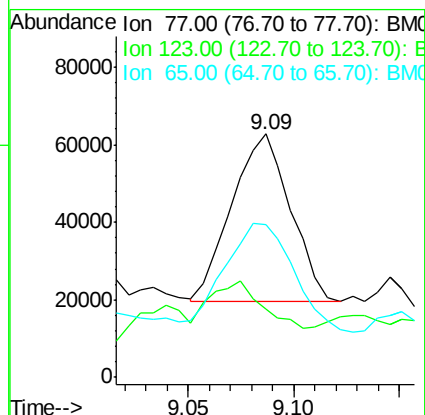
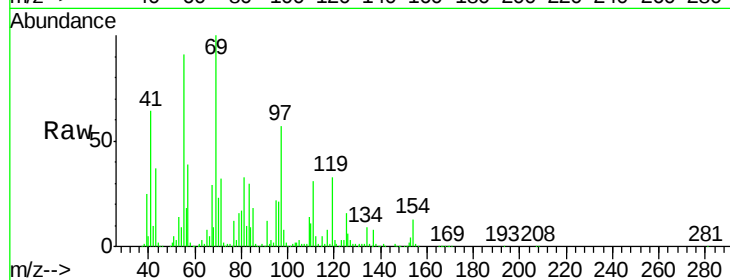
Tot Ion: 77 Resp: 83187

Ion Ratio Lower Upper

77 100

123 28.3 31.0 46.6#

65 62.9 12.2 18.2#



#21

Isophorone

Concen: 3.94 ng/ul

RT: 9.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

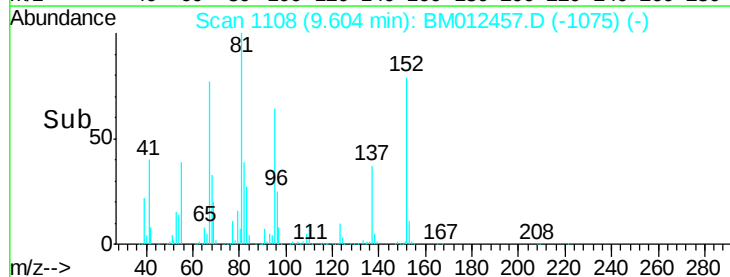
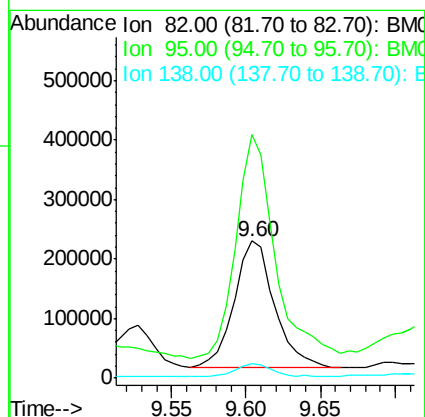
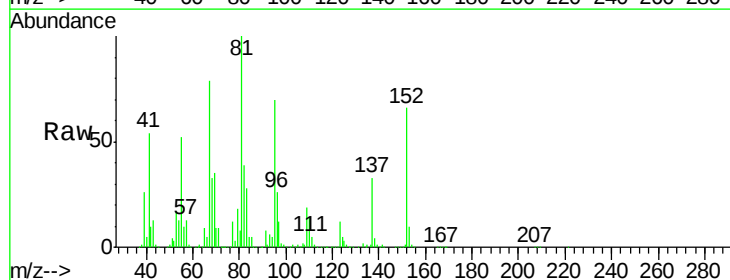
Tgt Ion: 82 Resp: 399510

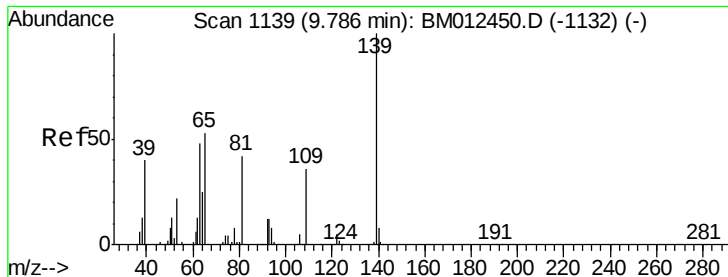
Ion Ratio Lower Upper

82 100

95 177.8 7.8 11.8#

138 10.5 11.9 17.9#

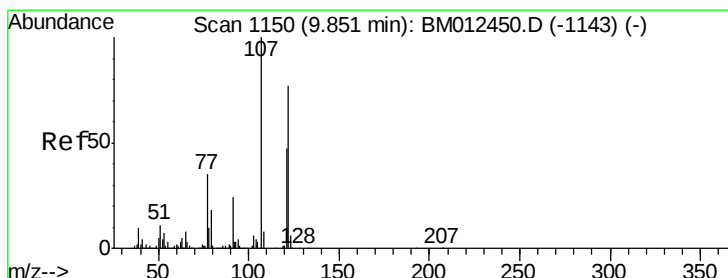
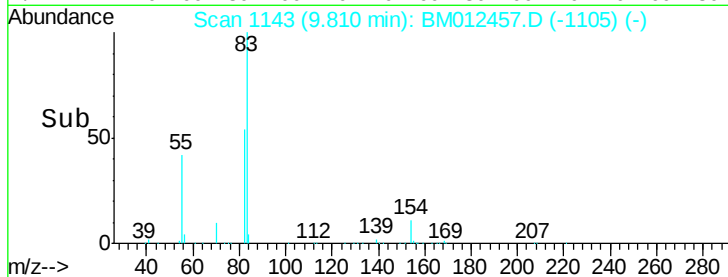
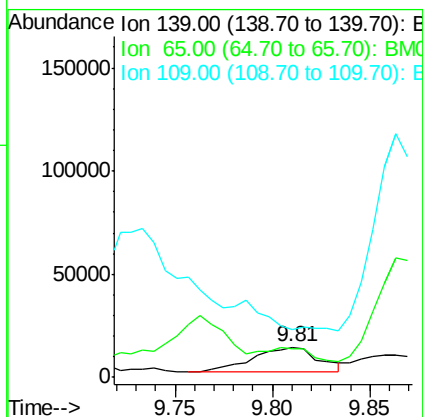
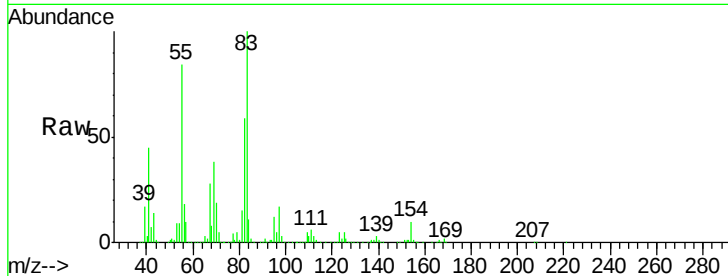




#23
 2-Nitrophenol
 Concen: 1.47 ng/ul
 RT: 9.81 min Scan# 1143
 Delta R.T. 0.02 min
 Lab File: BM012457.D
 Acq: 25 Oct 2017 23:00

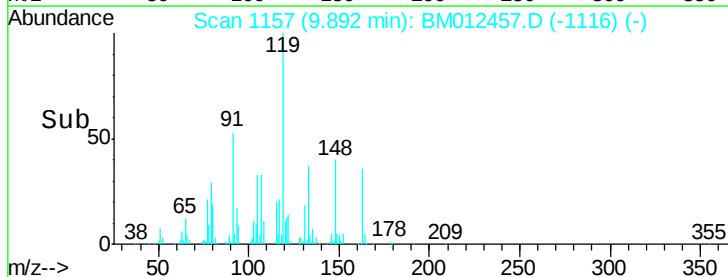
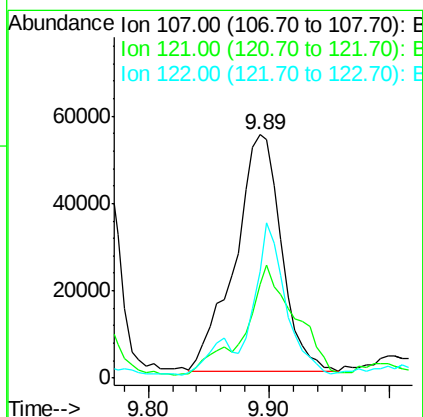
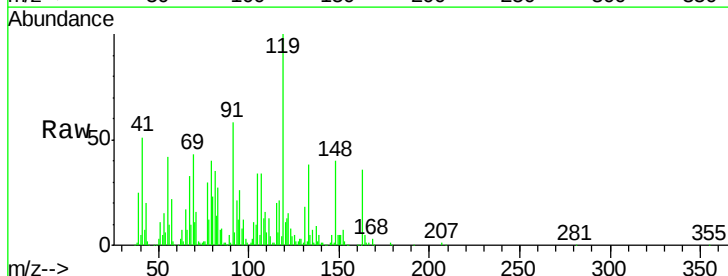
Instrument :
 BNA_M
 ClientSampleId :

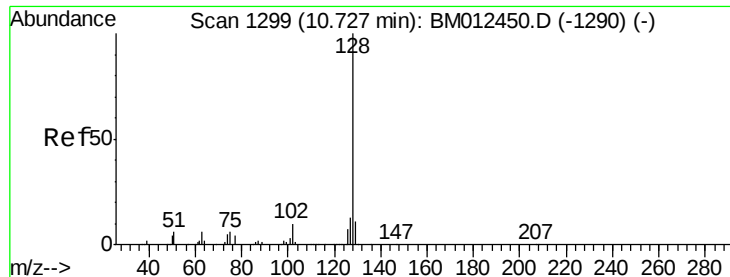
Tot Ion:139 Resp: 27943
 Ion Ratio Lower Upper
 139 100
 65 95.7 55.4 83.0#
 109 159.8 42.2 63.2#



#24
 2,4-Dimethylphenol
 Concen: 2.72 ng/ul
 RT: 9.89 min Scan# 1157
 Delta R.T. 0.04 min
 Lab File: BM012457.D
 Acq: 25 Oct 2017 23:00

Tgt Ion:107 Resp: 145442
 Ion Ratio Lower Upper
 107 100
 121 38.6 31.9 47.9
 122 43.9 57.8 86.6#





#28

Naphthalene

Concen: 1.51 ng/ul

RT: 10.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampleId :

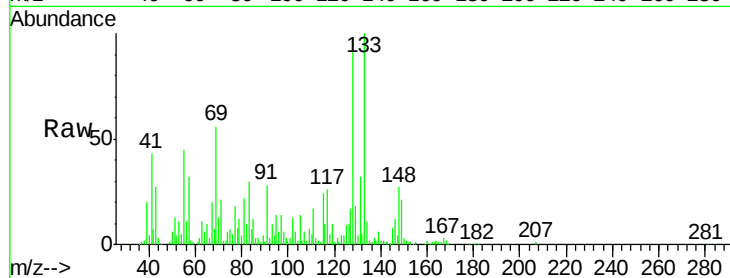
Tot Ion:128 Resp: 198525

Ion Ratio Lower Upper

128 100

129 18.0 8.8 13.2#

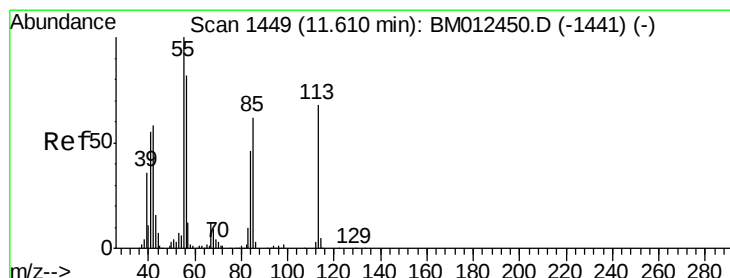
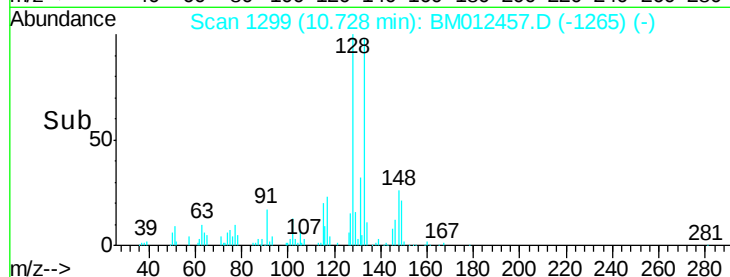
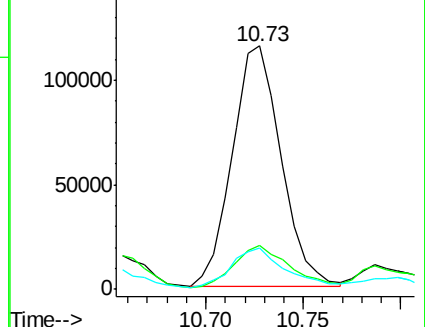
127 16.9 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 5.81 ng/ul

RT: 11.70 min Scan# 1465

Delta R.T. 0.09 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

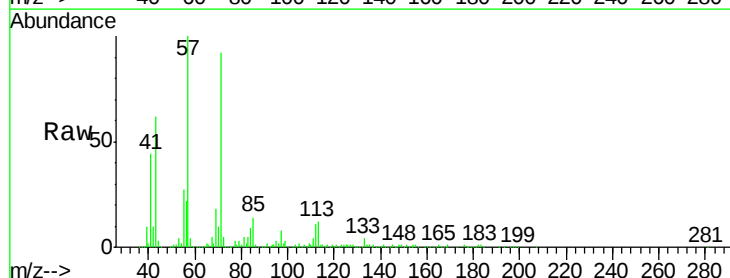
Tgt Ion:113 Resp: 83353

Ion Ratio Lower Upper

113 100

55 219.7 208.0 312.0

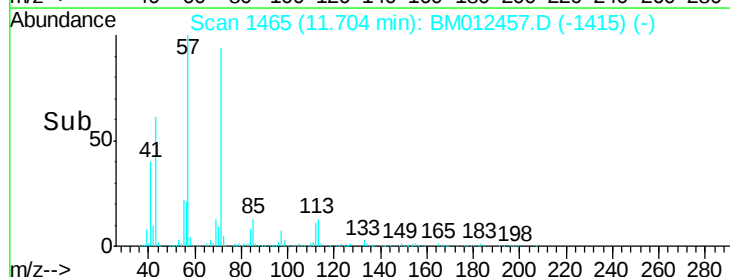
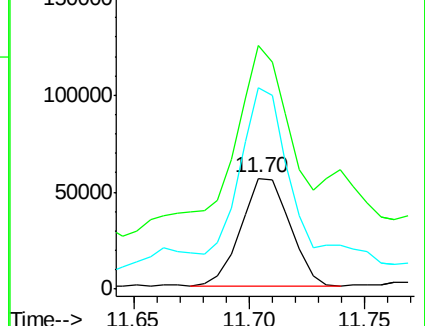
56 181.9 160.0 240.0

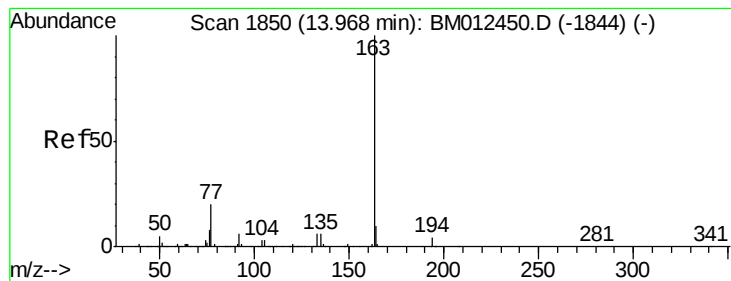


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0





#44

Dimethylphthalate

Concen: 5.53 ng/ul

RT: 13.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

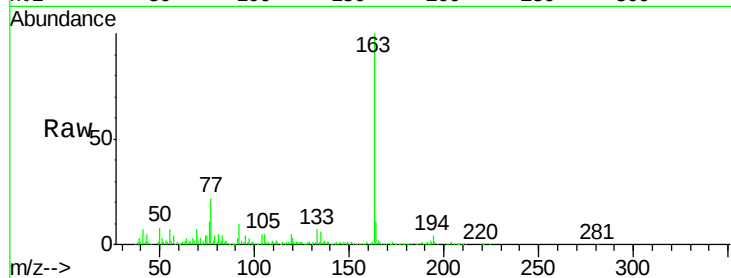
Instrument :

BNA_M

ClientSampleId :

Tot Ion:163 Resp: 829057

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.7	8.2	12.4

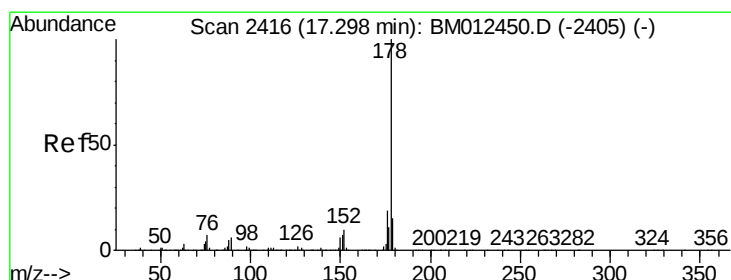
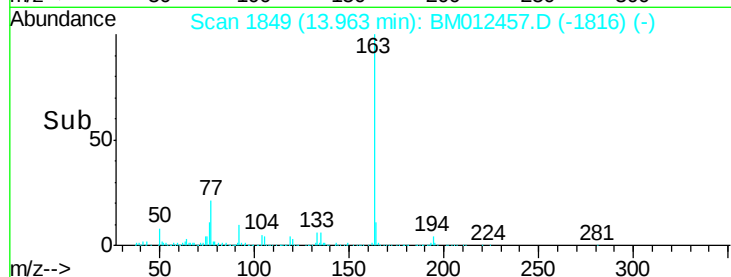
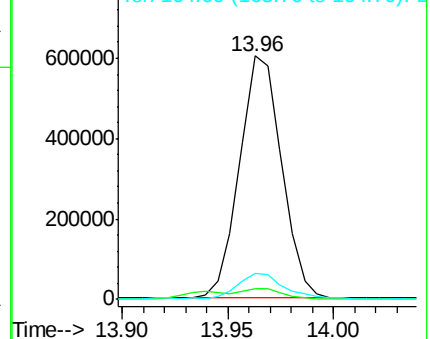


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 3.92 ng/ul

RT: 17.29 min Scan# 2415

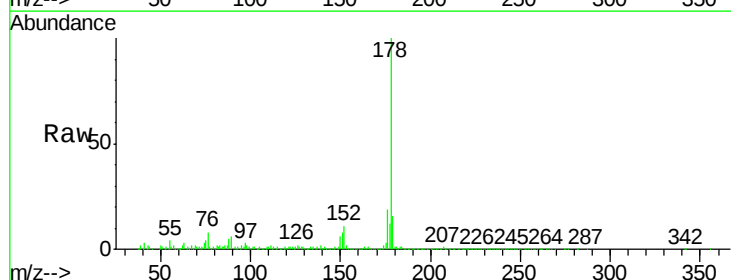
Delta R.T. -0.01 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Tgt Ion:178 Resp: 886095

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	18.7	14.9	22.3

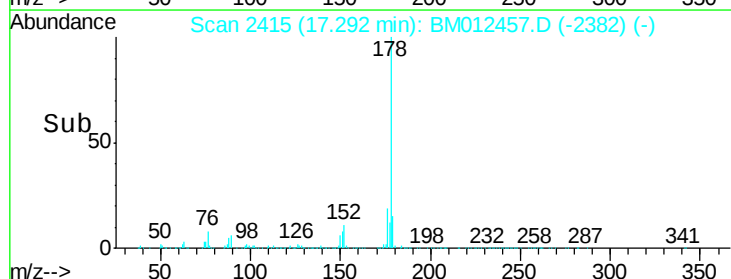
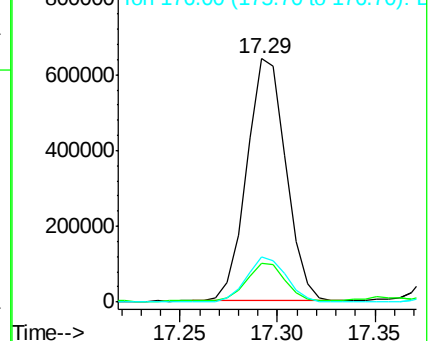


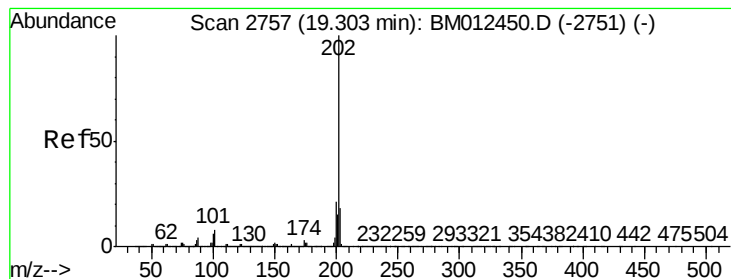
Abundance

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





#74

Fluoranthene

Concen: 5.14 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampled :

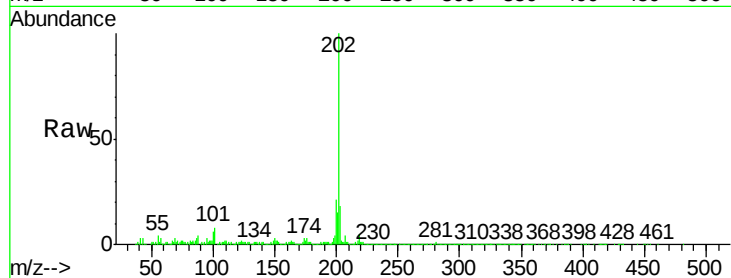
Tot Ion:202 Resp: 1314995

Ion Ratio Lower Upper

202 100

101 7.7 4.6 7.0#

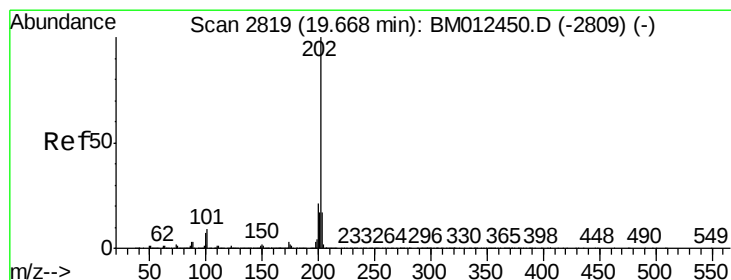
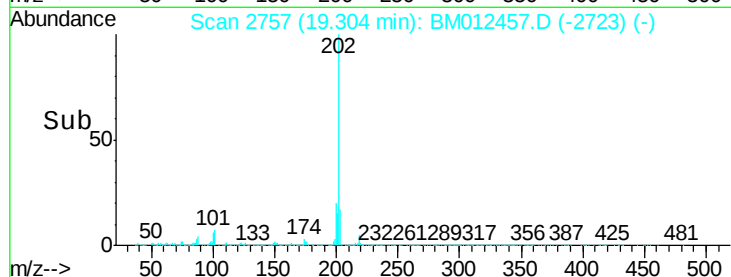
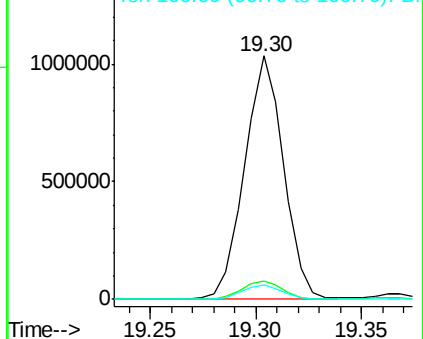
100 6.1 3.4 5.2#



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: 5.93 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

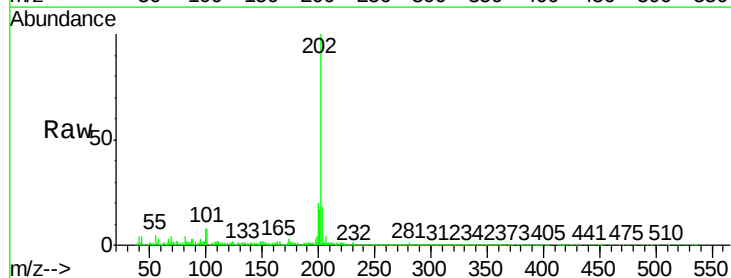
Tgt Ion:202 Resp: 1240925

Ion Ratio Lower Upper

202 100

101 8.1 5.1 7.7#

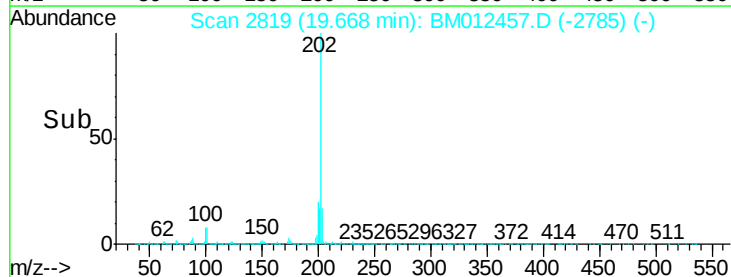
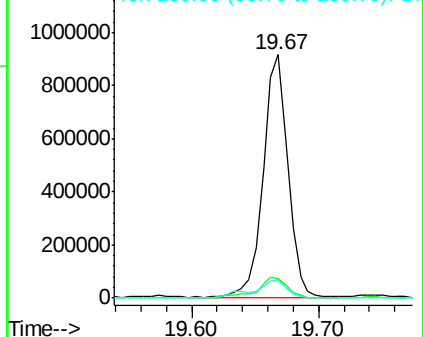
100 7.6 4.9 7.3#

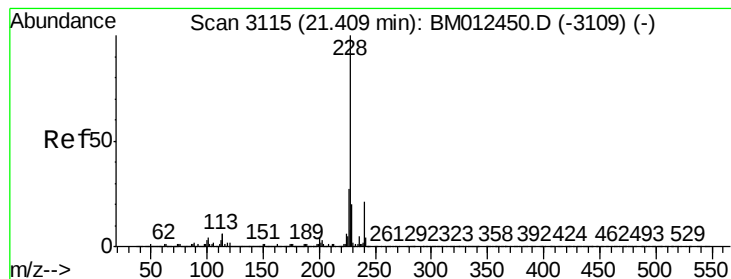


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.71 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

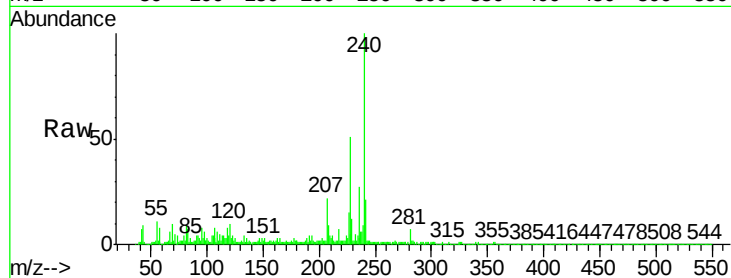
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 598274

Ion	Ratio	Lower	Upper
228	100		
229	22.6	15.4	23.0
226	29.4	21.4	32.0

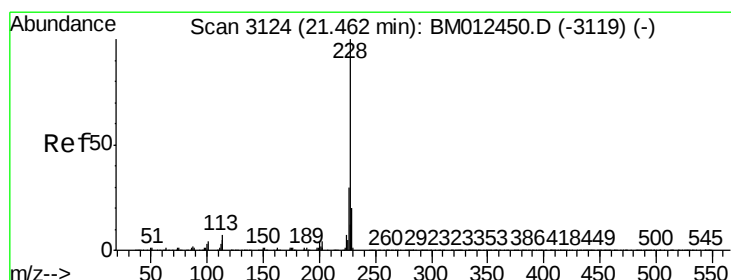
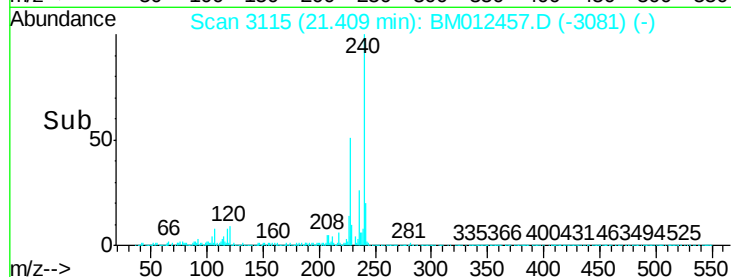
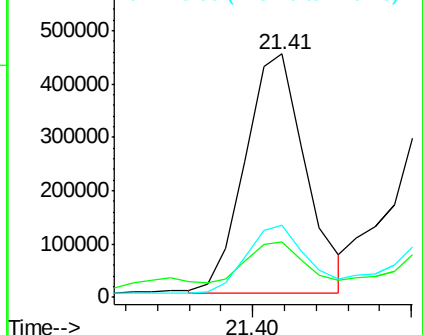


Abundance

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: 3.05 ng/ul

RT: 21.41 min Scan# 3115

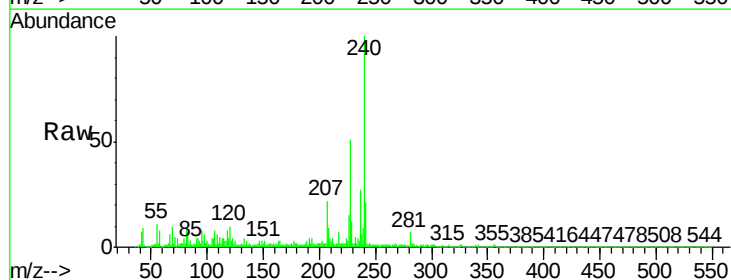
Delta R.T. -0.05 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Tgt Ion:228 Resp: 598274

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	22.6	15.5	23.3

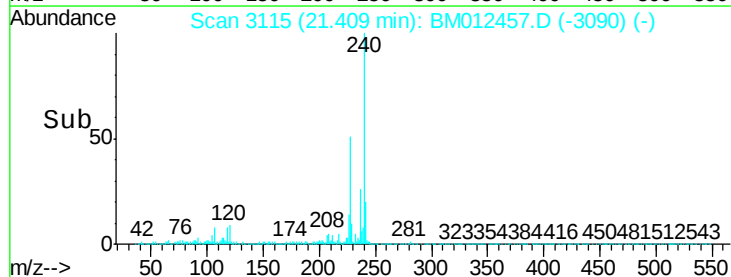
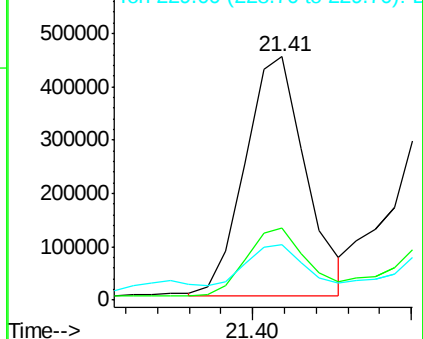


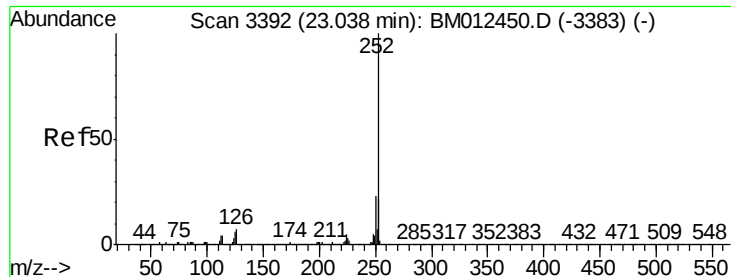
Abundance

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: 3.54 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampleId :

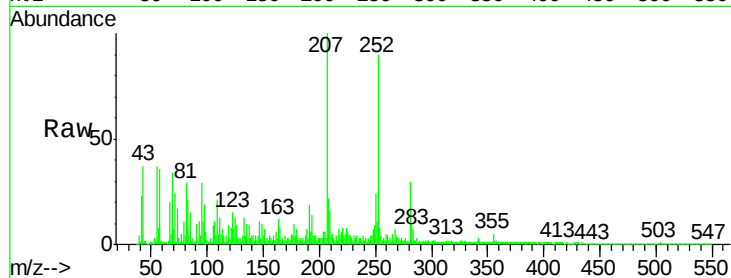
Tot Ion:252 Resp: 730428

Ion Ratio Lower Upper

252 100

253 30.3 17.9 26.9#

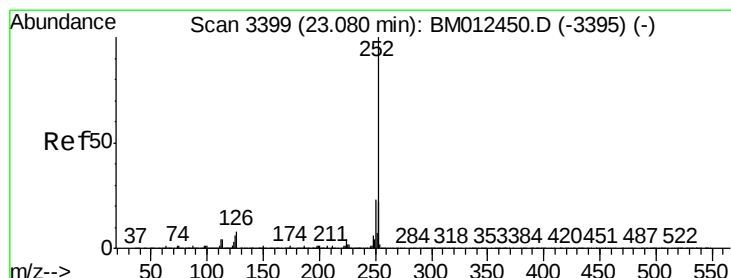
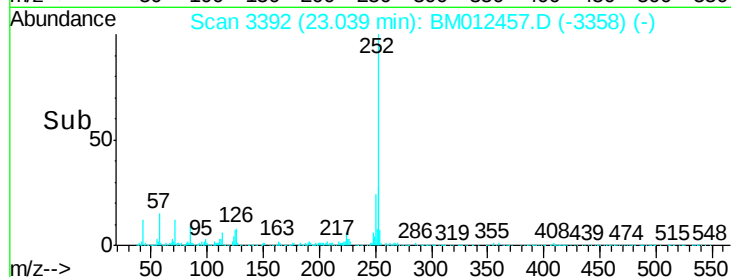
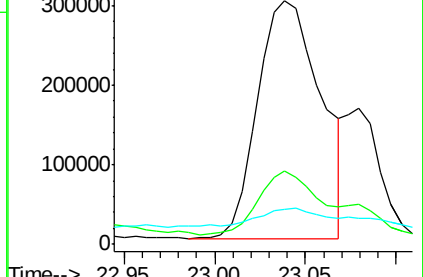
125 14.5 3.6 5.4#



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: 3.77 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.04 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

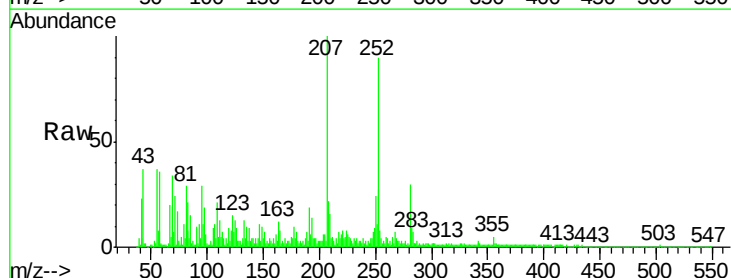
Tgt Ion:252 Resp: 730428

Ion Ratio Lower Upper

252 100

253 30.3 17.1 25.7#

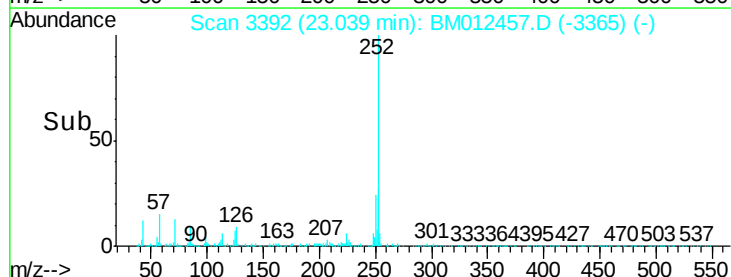
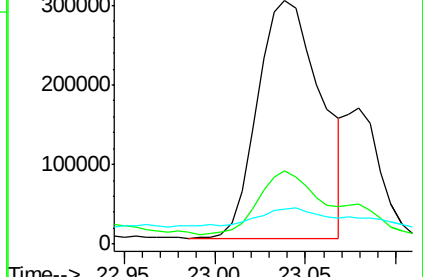
125 14.5 3.4 5.2#

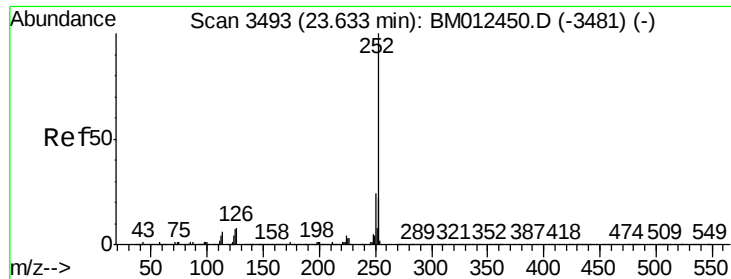


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.40 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampleId :

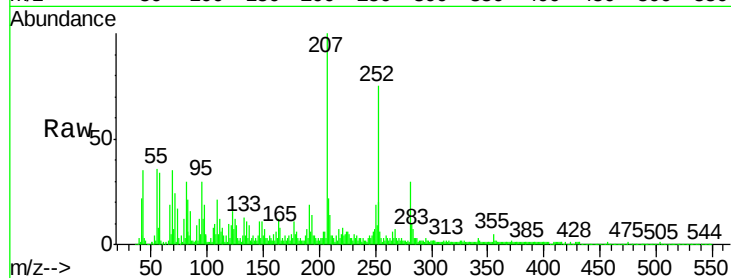
Tot Ion:252 Resp: 470943

Ion Ratio Lower Upper

252 100

253 26.5 18.2 27.2

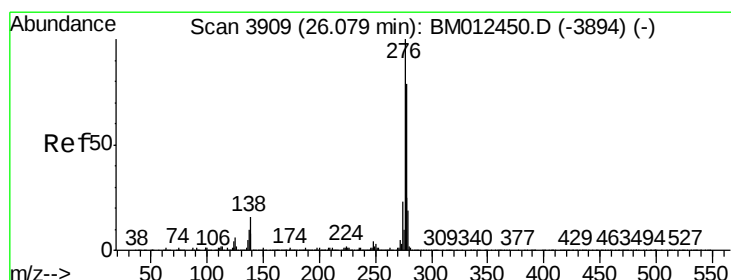
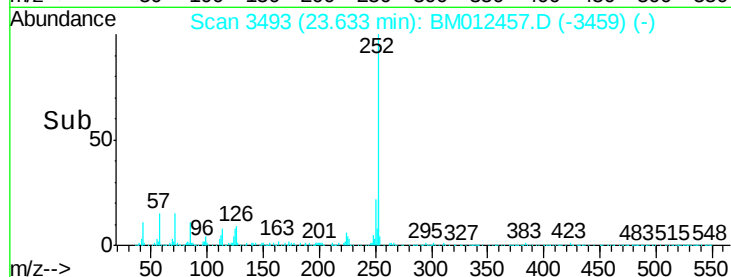
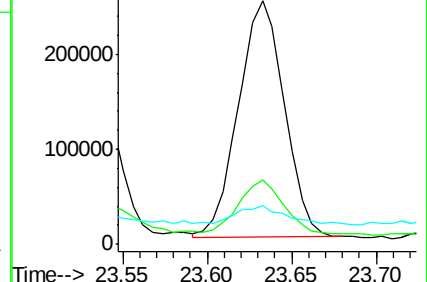
125 16.2 4.0 6.0#



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: 1.50 ng/ul

RT: 26.08 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

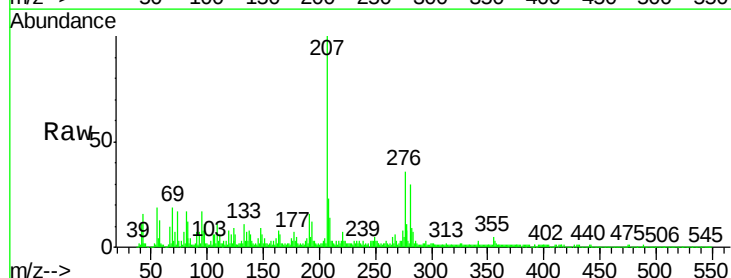
Tgt Ion:276 Resp: 347662

Ion Ratio Lower Upper

276 100

138 16.1 9.3 13.9#

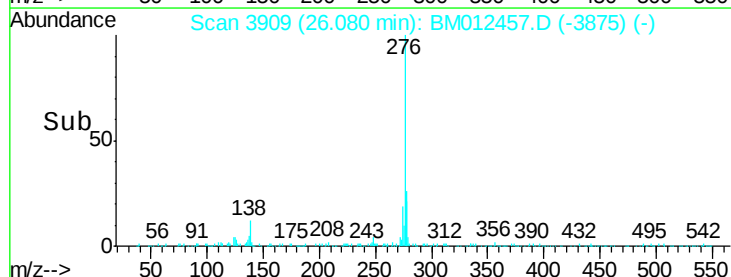
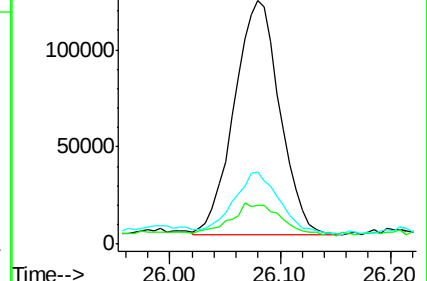
277 29.4 19.9 29.9

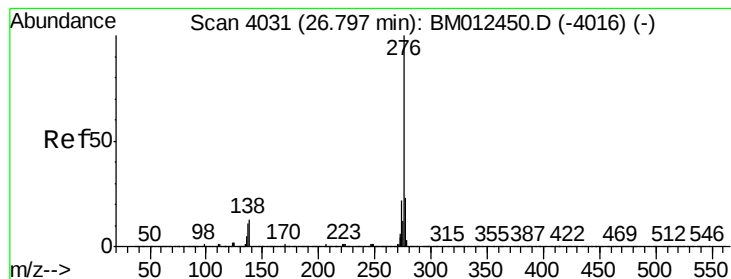


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.70 ng/ul

RT: 26.80 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BM012457.D

Acq: 25 Oct 2017 23:00

Instrument :

BNA_M

ClientSampleId :

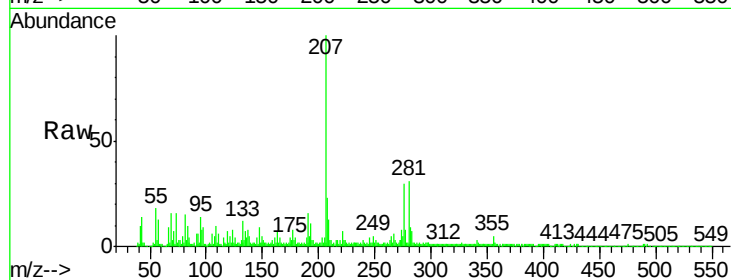
Tot Ion: 276 Resp: 319383

Ion Ratio Lower Upper

276 100

138 17.6 8.5 12.7#

277 26.0 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

