

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012727.D
 Acq On : 05 Nov 2017 03:06
 Operator : SJ/JU
 Sample : I5825-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-61(0-1)-101117

Quant Time: Nov 06 03:26:37 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 03:22:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	114870	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	469744	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	288551	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	627200	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	569021	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	597486	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	8009	3.77	ng/uL	0.00
5) Phenol-d5	6.99	99	187907	21.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	103358	22.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	163518	22.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	138814	18.82	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	82109	23.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	98448	24.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	185984	22.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	24090	3.07	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	577104	24.17	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	708365	23.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	74133	19.38	ng/ul	0.01
57) Fluorene-d10	15.44	176	493215	24.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	83509	20.17	ng/ul	0.00
70) Anthracene-d10	17.29	188	693527	22.89	ng/ul	0.00
78) Pyrene-d10	19.59	212	705160	26.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	646553	22.89	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.96	77	21042	4.63	ng/ul# 1
6) Phenol	7.02	94	22753	2.59	ng/ul# 93
14) Acetophenone	8.62	105	126125	11.36	ng/ul# 50
17) Hexachloroethane	8.91	117	18514	6.27	ng/ul# 7
21) Isophorone	9.53	82	205959	14.00	ng/ul# 96
28) Naphthalene	10.65	128	49592	2.11	ng/ul 94
34) 2-Methylnaphthalene	12.26	142	26583	1.48	ng/ul 95
44) Dimethylphthalate	13.90	163	101117	4.27	ng/ul 97
69) Phenanthrene	17.23	178	157750	4.60	ng/ul 98
71) Anthracene	17.23	178	157750	4.44	ng/ul 99
75) Di-n-butylphthalate	18.16	149	837788	24.12	ng/ul 100
76) Fluoranthene	19.25	202	286327	6.95	ng/ul# 92
79) Pyrene	19.61	202	238139	7.01	ng/ul# 93
82) Benzo(a)anthracene	21.41	228	155361	4.51	ng/ul 94
83) Bis(2-ethylhexyl)phthalate	21.29	149	3495460	193.81	ng/ul# 93
84) Chrysene	21.41	228	155361	4.98	ng/ul 97
86) Di-n-octyl phthalate	22.19	149	42609	1.36	ng/ul# 60
87) Benzo(b)fluoranthene	22.97	252	198768	5.44	ng/ul 95
88) Benzo(k)fluoranthene	22.97	252	198768	5.73	ng/ul 95
90) Benzo(a)pyrene	23.56	252	118726	3.42	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.96	276	98652	2.36	ng/ul# 85
93) Benzo(a,h,i)perylene	26.67	276	90618	2.63	ng/ul# 91

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Response via : Initial Calibration

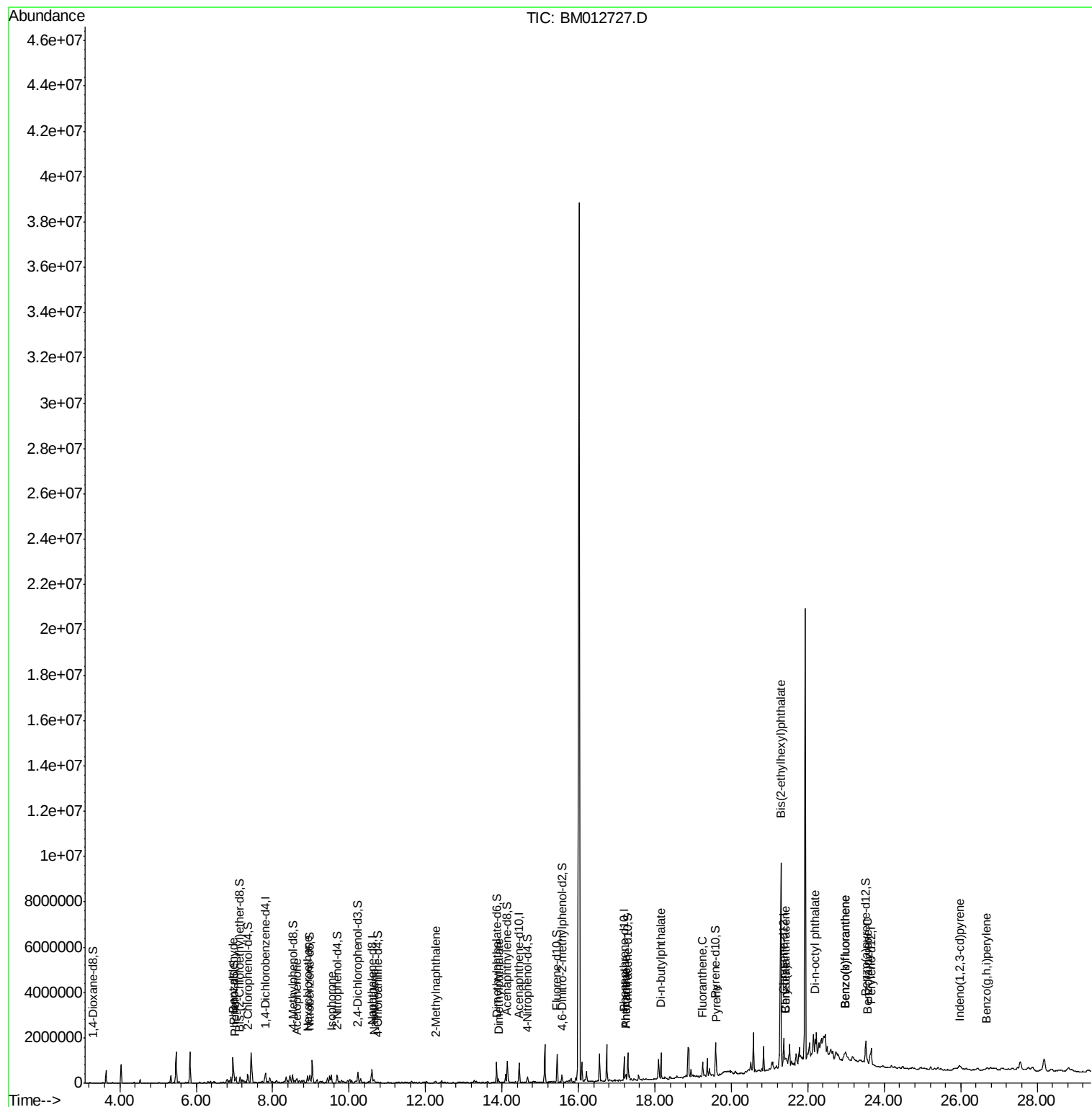
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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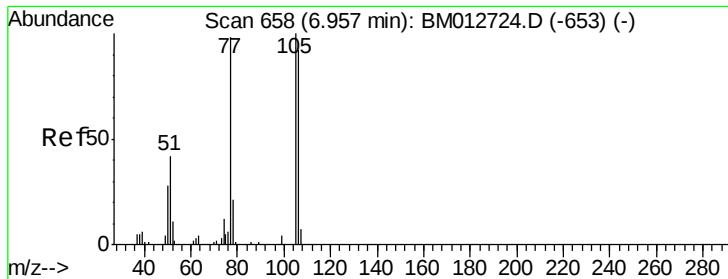
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 4.63 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Instrument :

BNA_M

ClientSampleId :

B-61(0-1)-101117

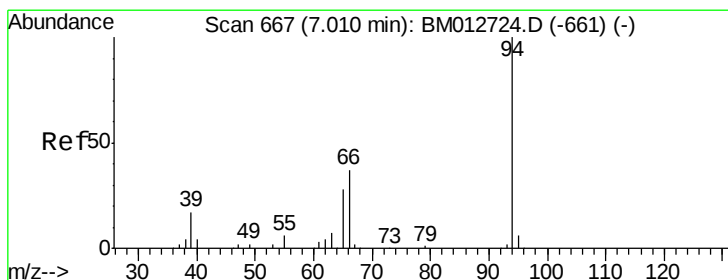
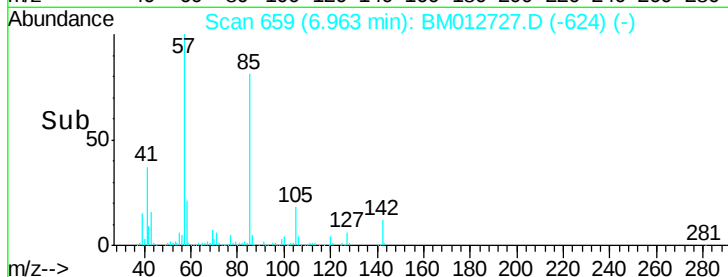
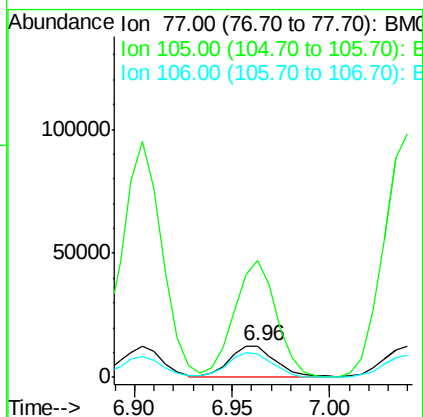
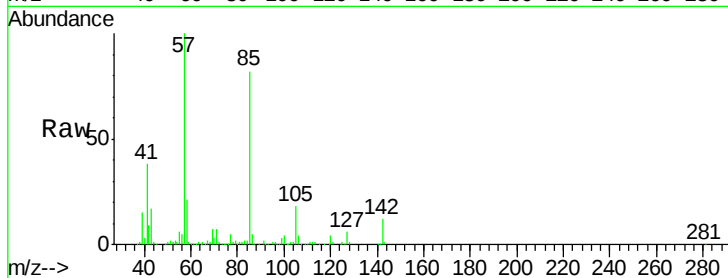
Tot Ion: 77 Resp: 21042

Ion Ratio Lower Upper

77 100

105 368.4 80.6 120.8#

106 73.7 77.7 116.5#



#6

Phenol

Concen: 2.59 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

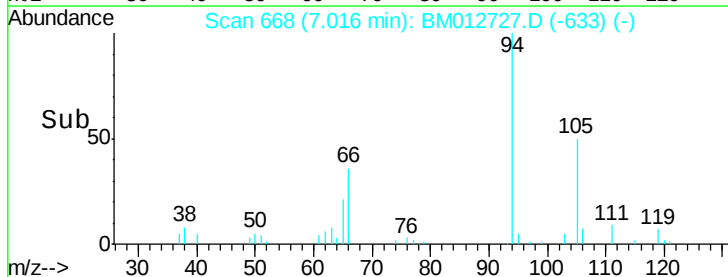
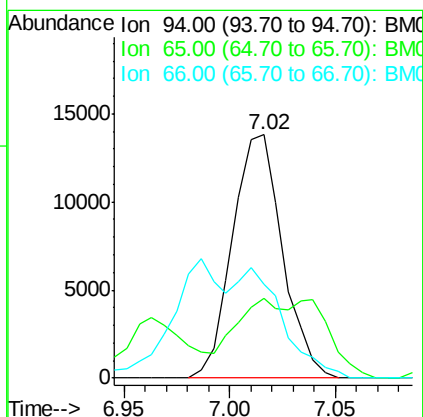
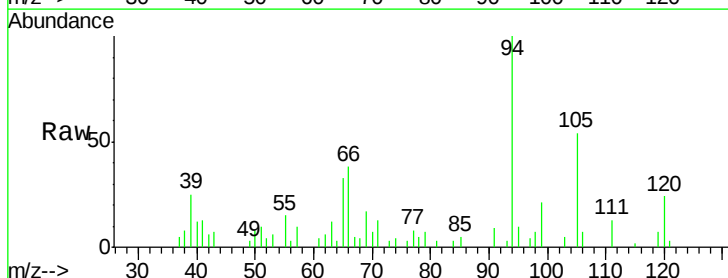
Tgt Ion: 94 Resp: 22753

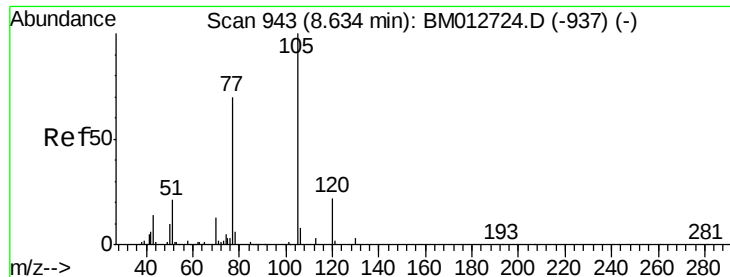
Ion Ratio Lower Upper

94 100

65 32.5 21.0 31.6#

66 38.5 29.3 43.9





#14

Acetophenone

Concen: 11.36 ng/ul

RT: 8.62 min Scan# 940

Delta R.T. -0.02 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

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B-61(0-1)-101117

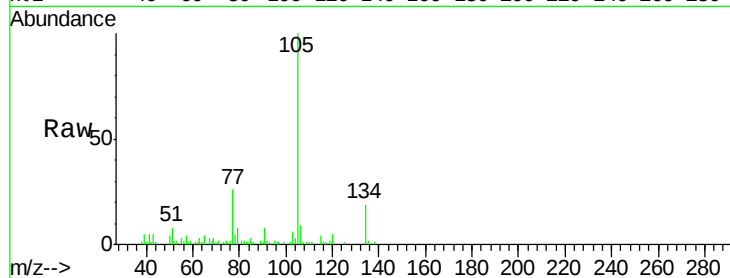
Tot Ion:105 Resp: 126125

Ion Ratio Lower Upper

105 100

77 25.7 59.0 88.4#

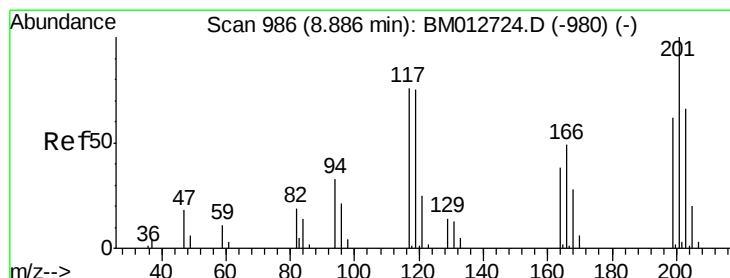
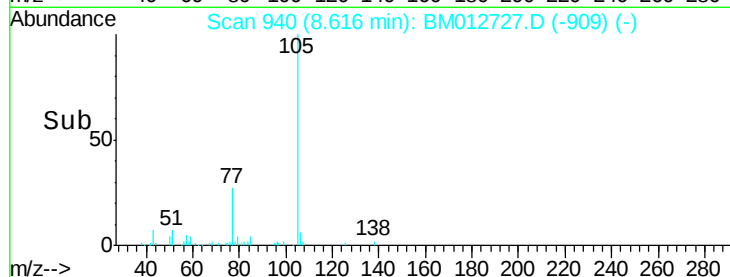
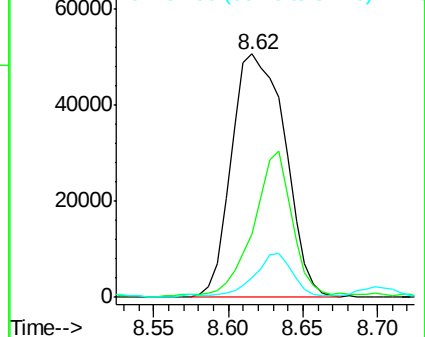
51 7.9 16.4 24.6#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 6.27 ng/ul

RT: 8.91 min Scan# 990

Delta R.T. 0.02 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

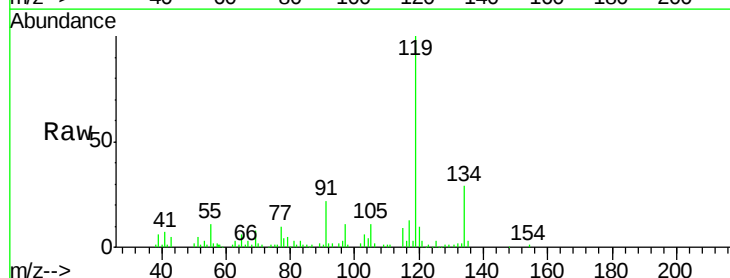
Tgt Ion:117 Resp: 18514

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

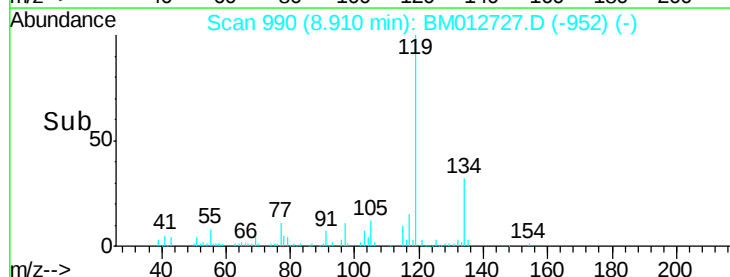
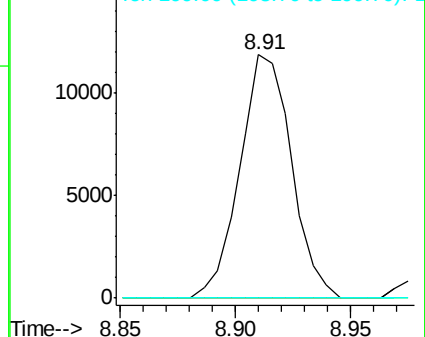
199 0.0 50.6 76.0#

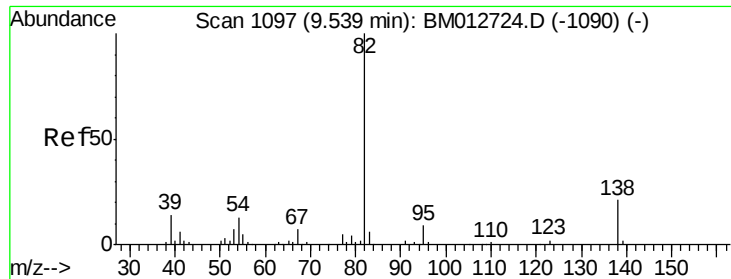


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#21

Isophorone

Concen: 14.00 ng/ul

RT: 9.53 min Scan# 1096

Delta R.T. -0.01 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Instrument :

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ClientSampleId :

B-61(0-1)-101117

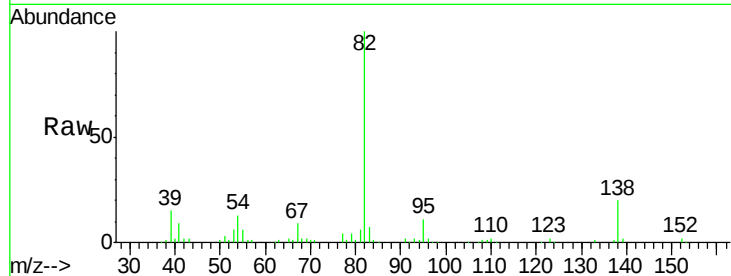
Tot Ion: 82 Resp: 205959

Ion Ratio Lower Upper

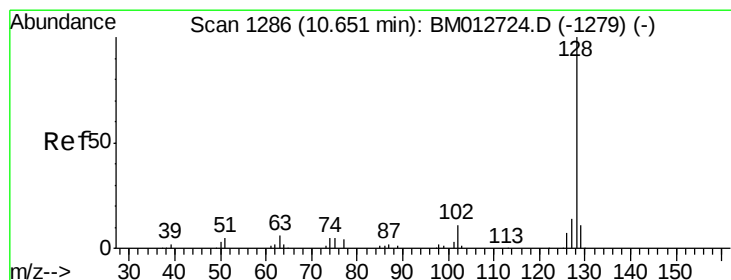
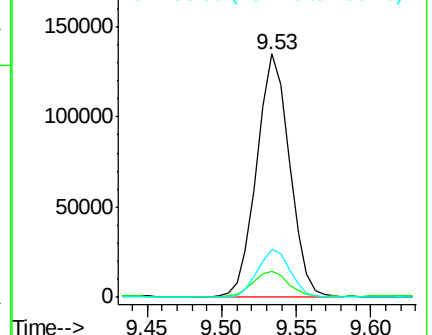
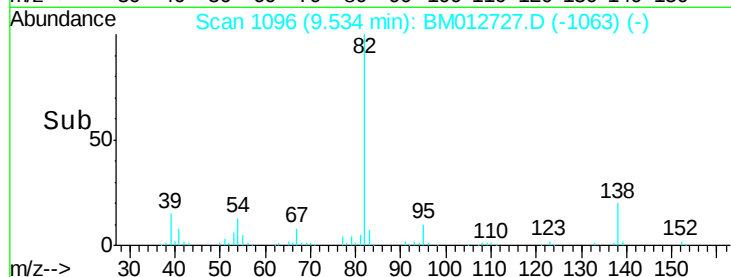
82 100

95 10.7 6.4 9.6#

138 19.5 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BM012727.D (-1063) (-)



#28

Naphthalene

Concen: 2.11 ng/ul

RT: 10.65 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

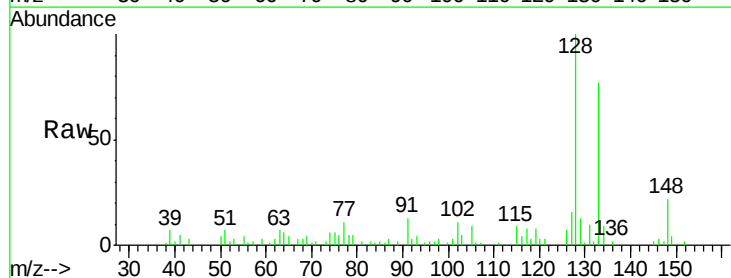
Tgt Ion: 128 Resp: 49592

Ion Ratio Lower Upper

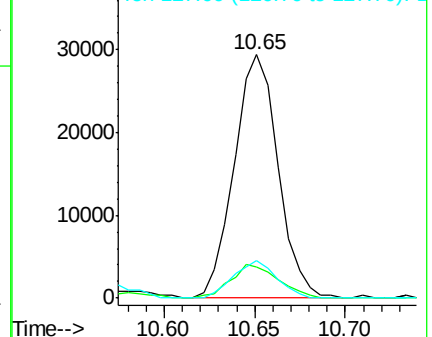
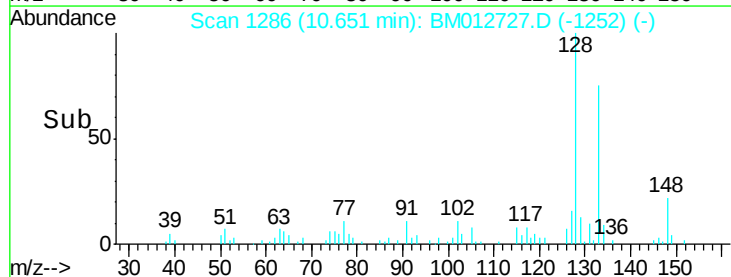
128 100

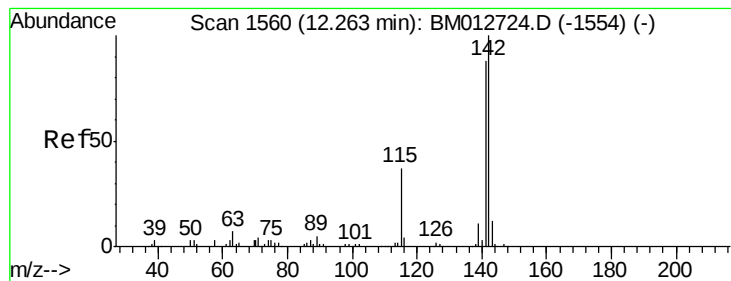
129 12.8 8.8 13.2

127 15.6 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): BM012727.D (-1252) (-)





#34

2-Methylnaphthalene

Concen: 1.48 ng/ul

RT: 12.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Instrument :

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ClientSampleId :

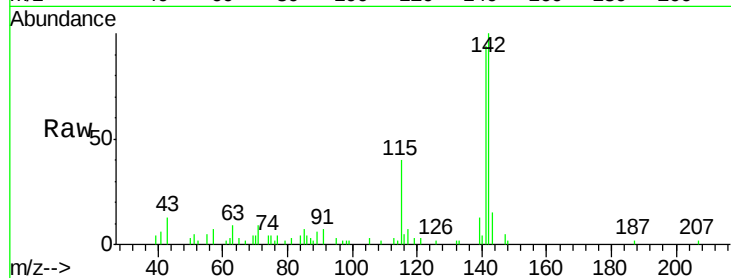
B-61(0-1)-101117

Tot Ion:142 Resp: 26583

Ion Ratio Lower Upper

142 100

141 93.9 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

20000

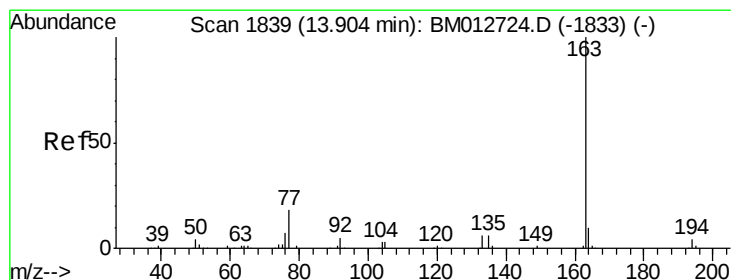
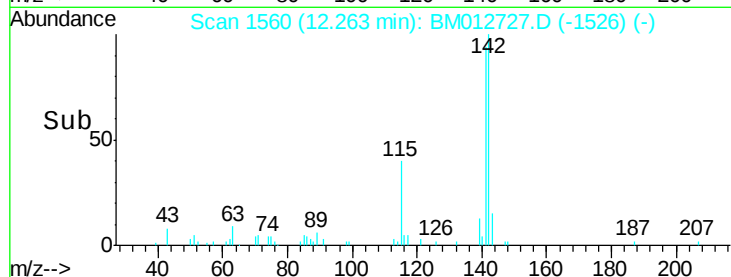
15000

10000

5000

0

Time-->



#44

Dimethylphthalate

Concen: 4.27 ng/ul

RT: 13.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

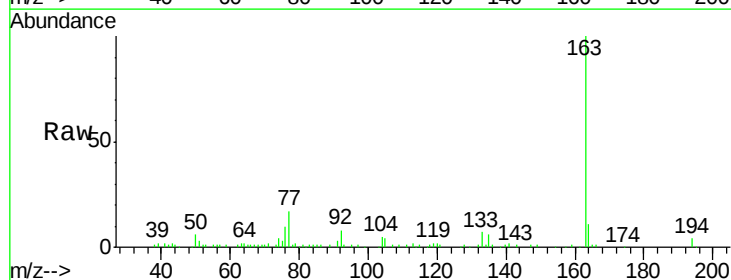
Tgt Ion:163 Resp: 101117

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

164 11.2 7.8 11.8



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

100000

80000

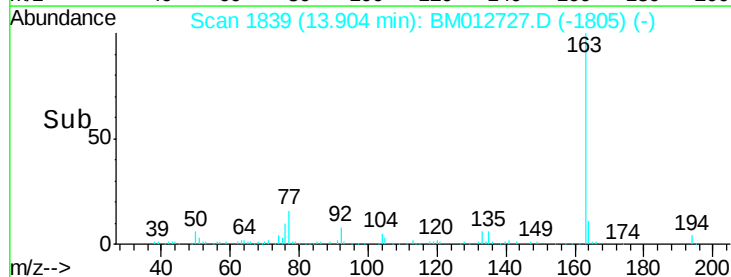
60000

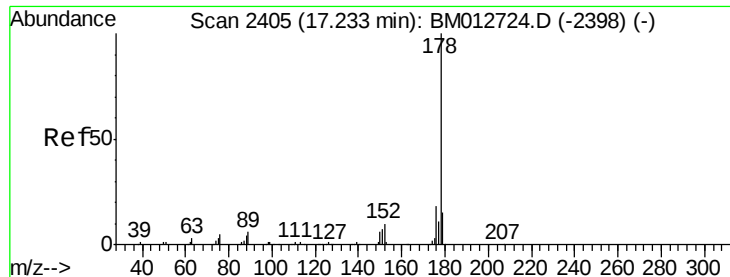
40000

20000

0

Time-->





#69

Phenanthrene

Concen: 4.60 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Instrument :

BNA_M

ClientSampleId :

B-61(0-1)-101117

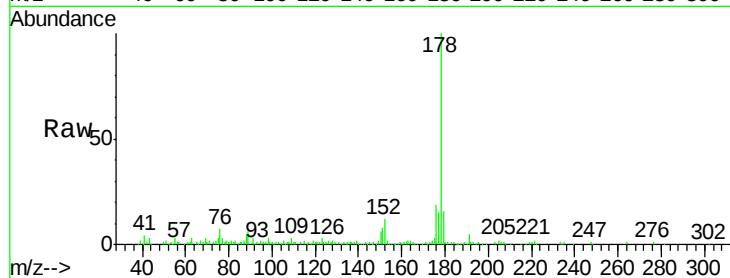
Tot Ion:178 Resp: 157750

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

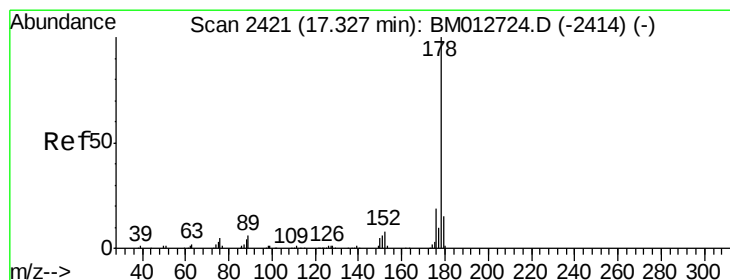
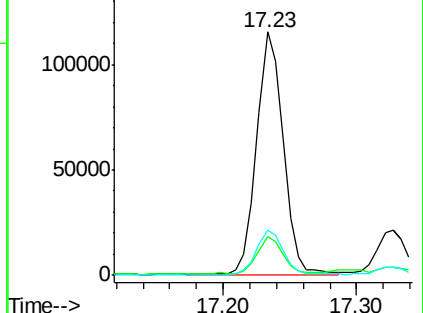
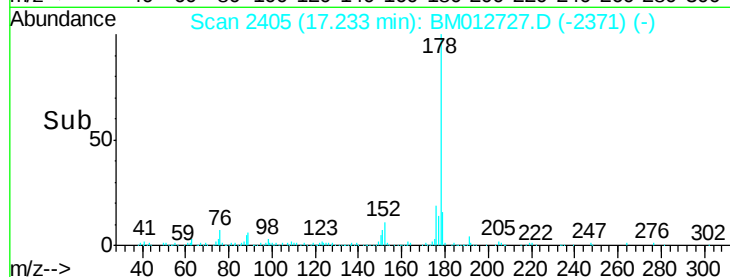
176 18.6 15.6 23.4



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: 4.44 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. -0.09 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

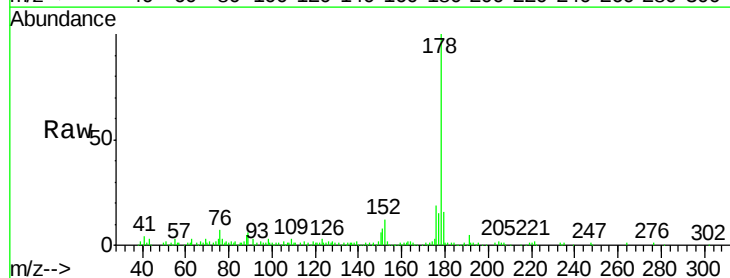
Tgt Ion:178 Resp: 157750

Ion Ratio Lower Upper

178 100

179 16.0 12.1 18.1

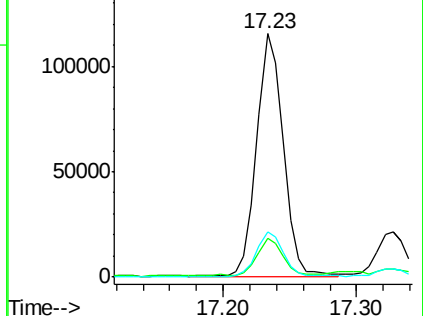
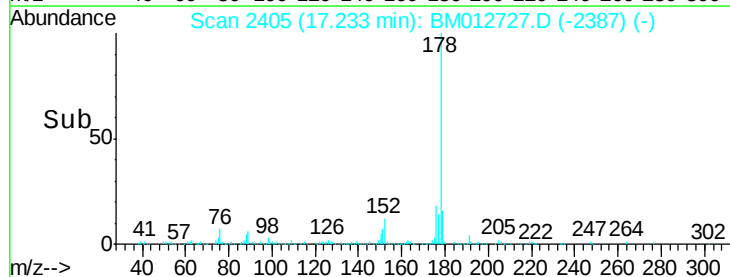
176 18.6 14.8 22.2

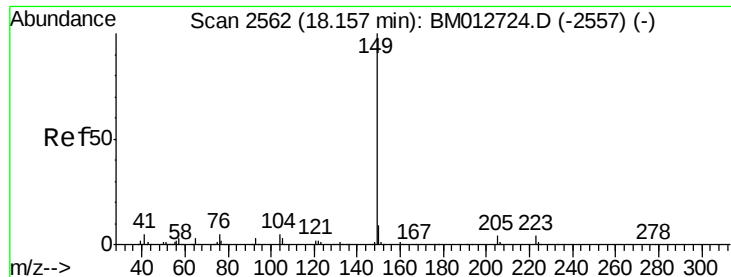


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Di-n-butylphthalate

Concen: 24.12 ng/ul

RT: 18.16 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

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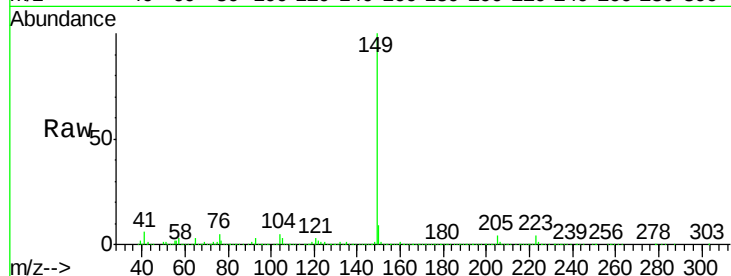
Tot Ion:149 Resp: 837788

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

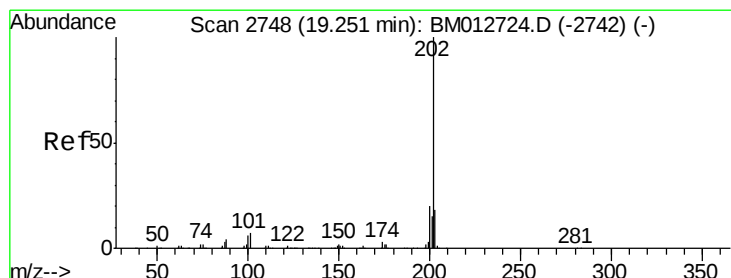
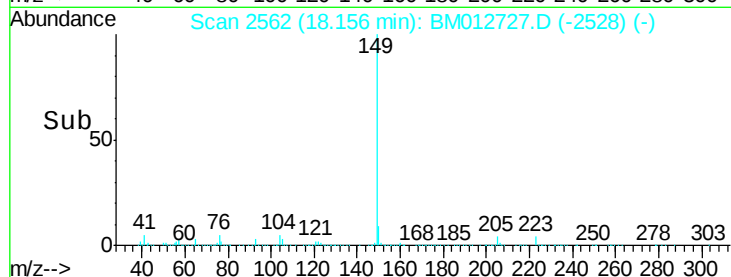
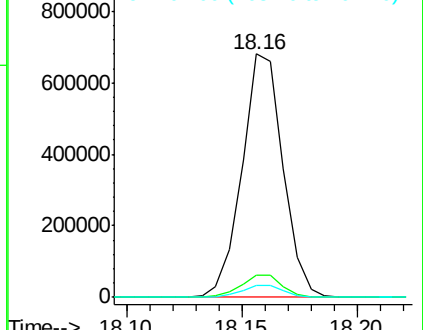
104 5.0 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 6.95 ng/ul

RT: 19.25 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

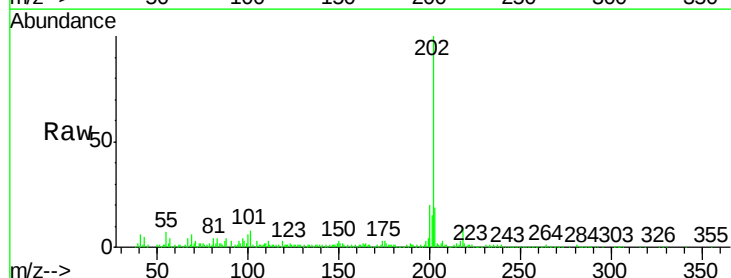
Tgt Ion:202 Resp: 286327

Ion Ratio Lower Upper

202 100

101 7.6 8.8 13.2#

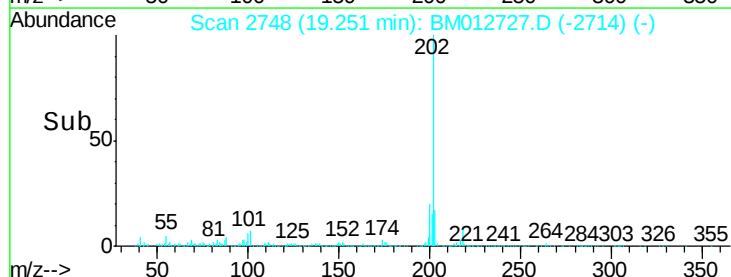
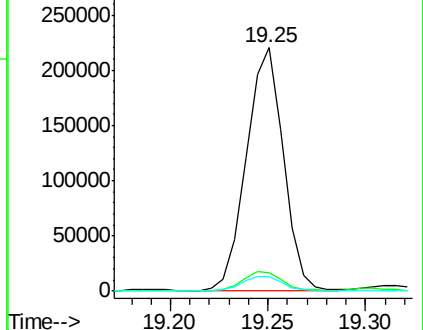
100 5.9 6.6 9.8#

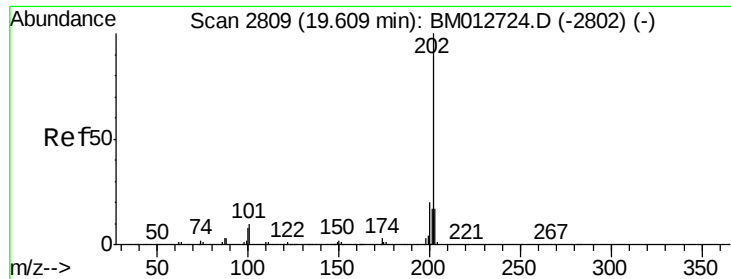


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

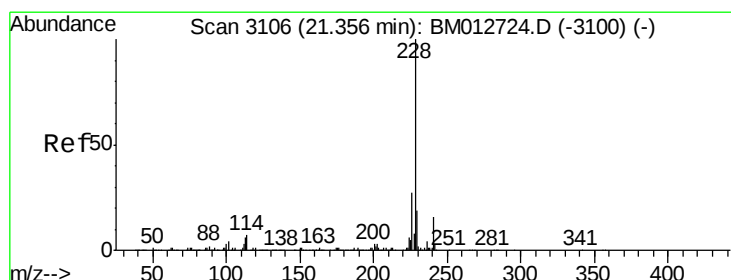
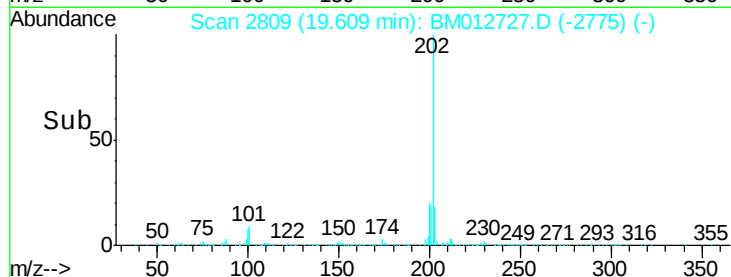
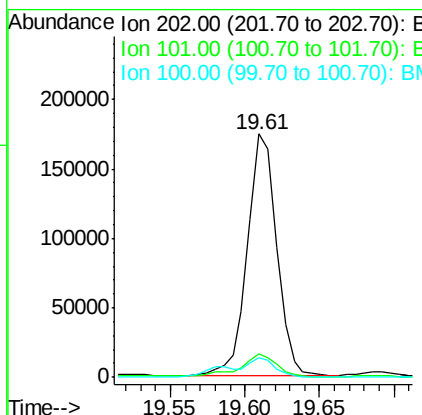
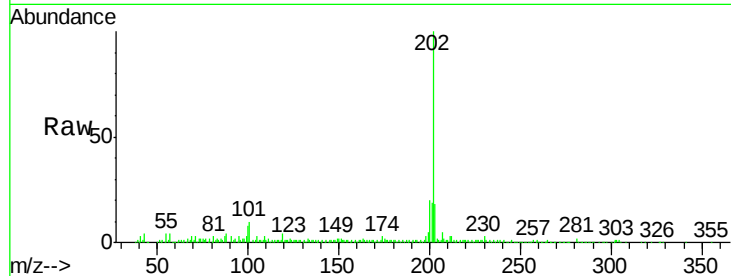




#79
 Pvrene
 Concen: 7.01 ng/ul
 RT: 19.61 min Scan# 2809
 Delta R.T. 0.00 min
 Lab File: BM012727.D
 Acq: 05 Nov 2017 03:06

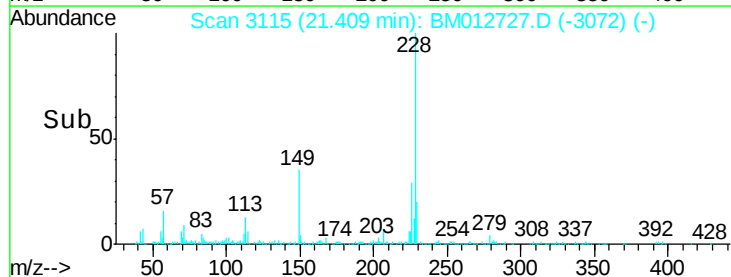
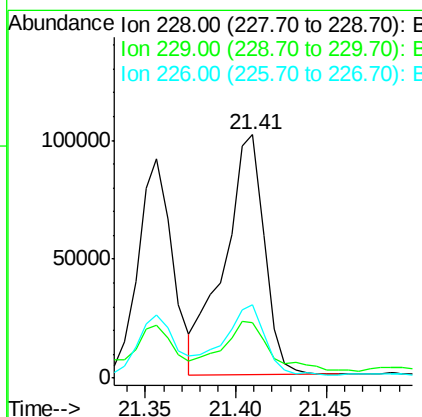
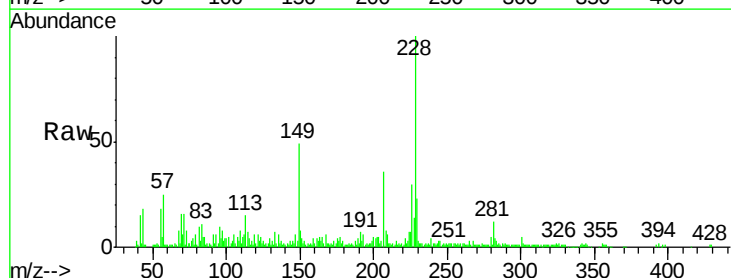
Instrument :
 BNA_M
 ClientSampleId :
 B-61(0-1)-101117

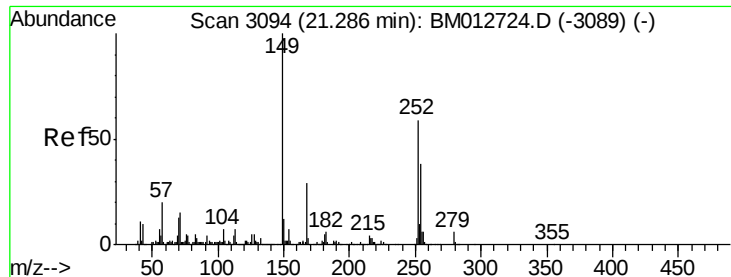
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	10.2	15.2#
100	7.9	8.5	12.7#



#82
 Benzo(a)anthracene
 Concen: 4.51 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.05 min
 Lab File: BM012727.D
 Acq: 05 Nov 2017 03:06

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.7	23.5
226	30.3	21.8	32.6

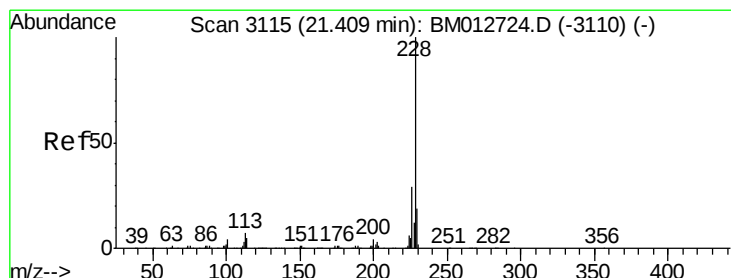
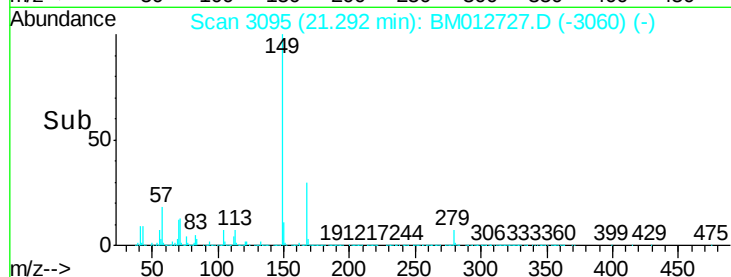
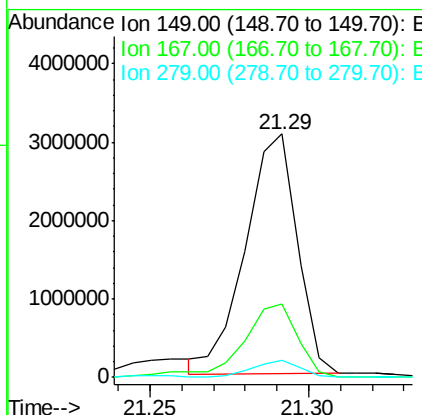
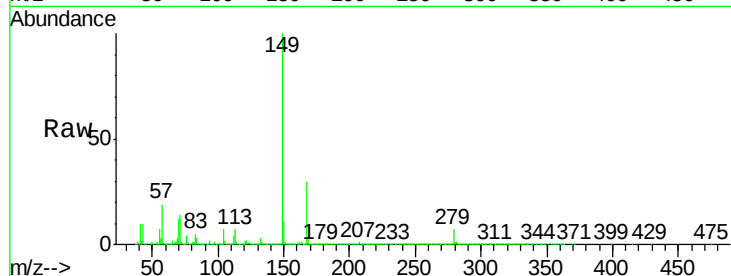




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 193.81 ng/ul
 RT: 21.29 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM012727.D
 Acq: 05 Nov 2017 03:06

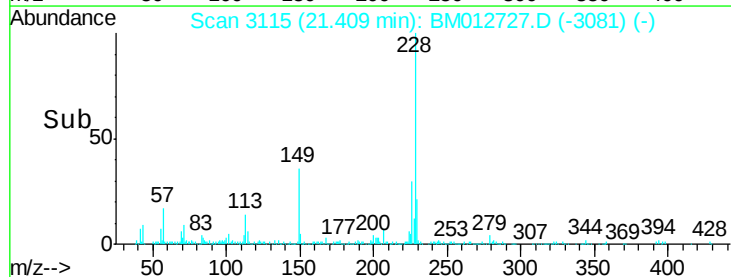
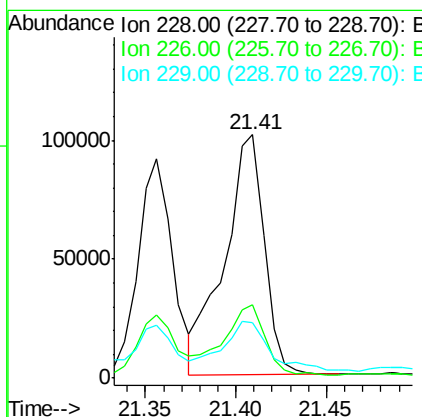
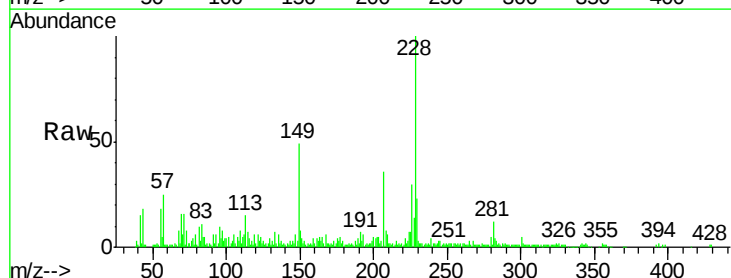
Instrument :
 BNA_M
 ClientSampleId :
 B-61(0-1)-101117

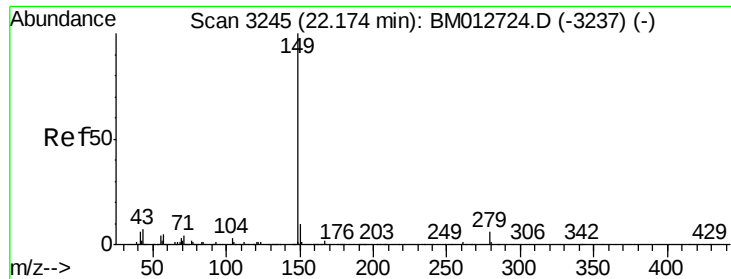
Tot Ion:149 Resp: 3495460
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.6 32.4
 279 6.9 3.0 4.4#



#84
 Chrysene
 Concen: 4.98 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.00 min
 Lab File: BM012727.D
 Acq: 05 Nov 2017 03:06

Tgt Ion:228 Resp: 155361
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.0 36.0
 229 22.5 15.6 23.4

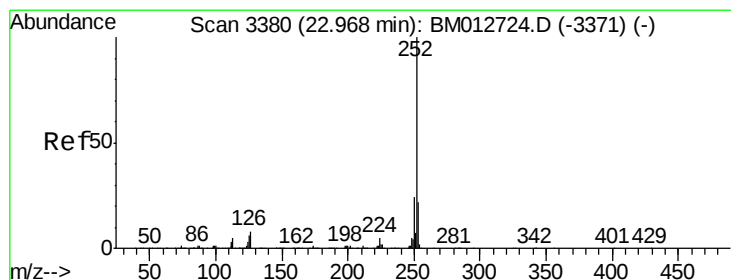
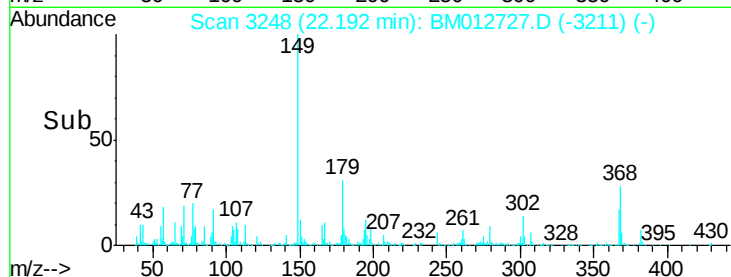
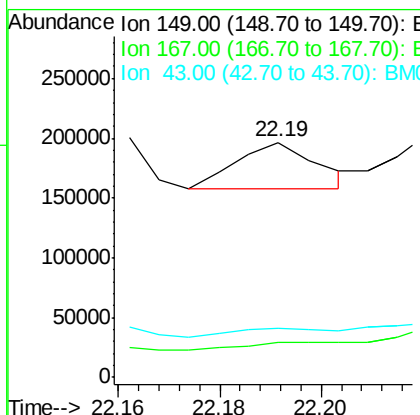
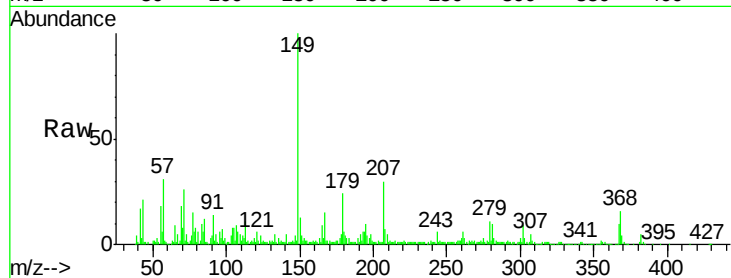




#86
Di-n-octyl phthalate
Concen: 1.36 ng/ul
RT: 22.19 min Scan# 3248
Delta R.T. 0.02 min
Lab File: BM012727.D
Acq: 05 Nov 2017 03:06

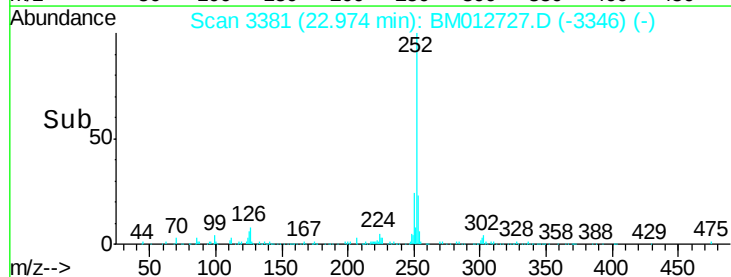
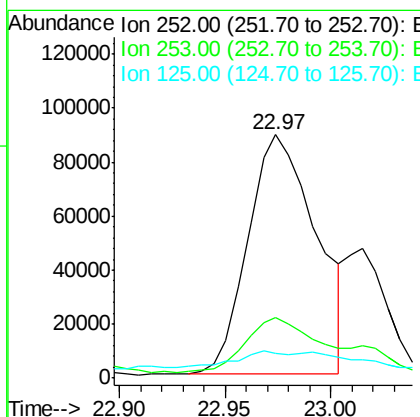
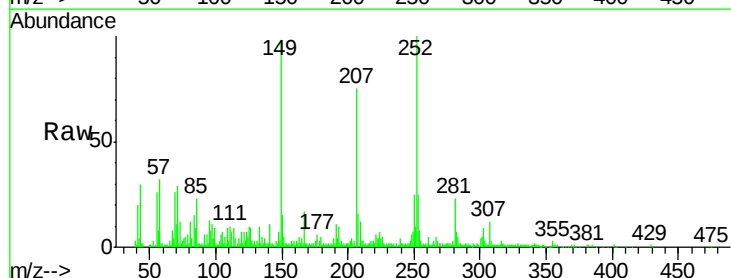
Instrument :
BNA_M
ClientSampleId :
B-61(0-1)-101117

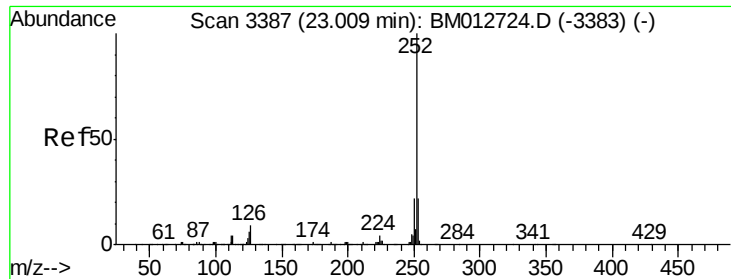
Tot Ion	Ratio	Lower	Upper
149	100		
167	14.8	1.2	1.8#
43	21.0	5.6	8.4#



#87
Benzo(b)fluoranthene
Concen: 5.44 ng/ul
RT: 22.97 min Scan# 3381
Delta R.T. 0.01 min
Lab File: BM012727.D
Acq: 05 Nov 2017 03:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	10.0	8.5	12.7





#88

Benzo(k)fluoranthene

Concen: 5.73 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. -0.04 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Instrument :

BNA_M

ClientSampleId :

B-61(0-1)-101117

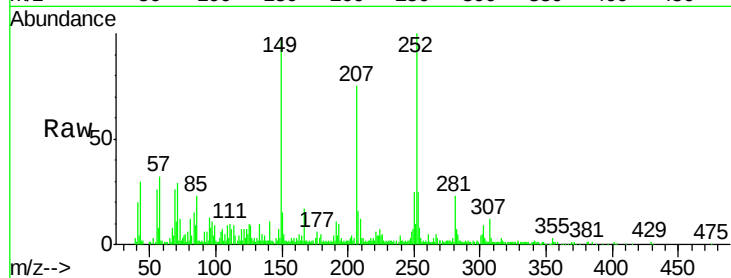
Tot Ion:252 Resp: 198768

Ion Ratio Lower Upper

252 100

253 24.9 17.3 25.9

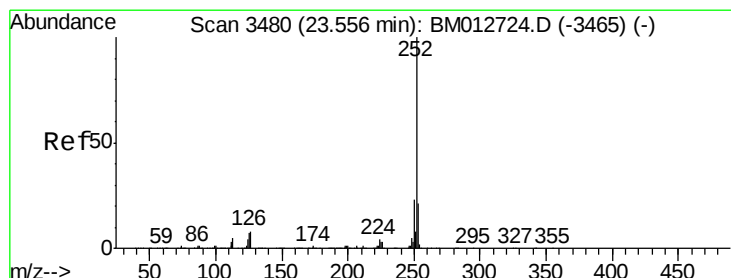
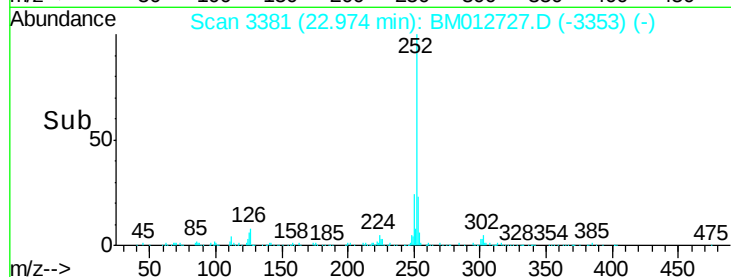
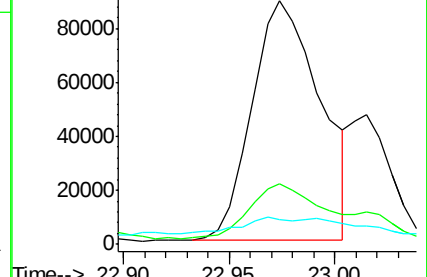
125 10.0 8.2 12.2



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



#90

Benzo(a)pyrene

Concen: 3.42 ng/ul

RT: 23.56 min Scan# 3480

Delta R.T. 0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

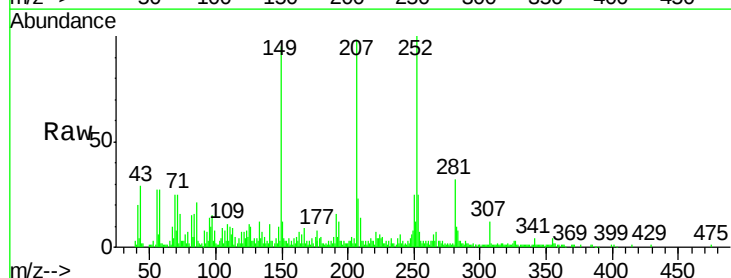
Tgt Ion:252 Resp: 118726

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

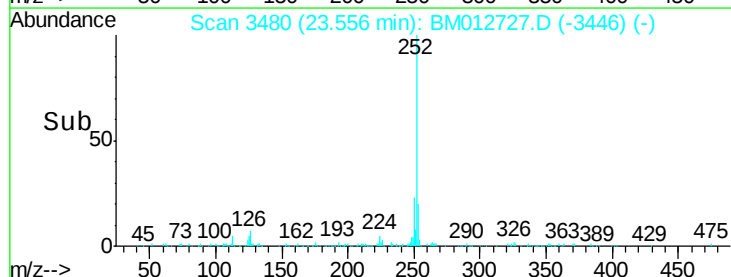
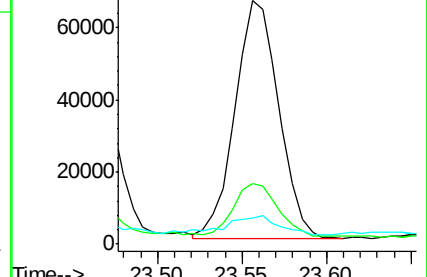
125 10.7 9.0 13.6

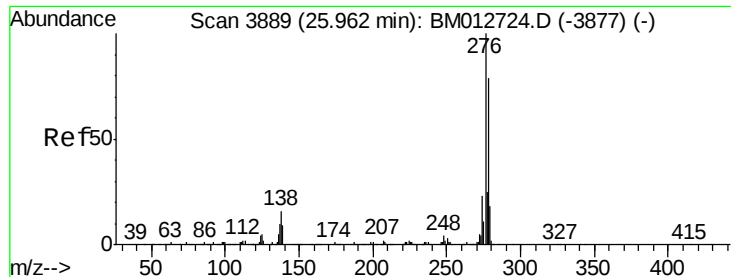


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 2.36 ng/ul

RT: 25.96 min Scan# 3889

Delta R.T. 0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Instrument :

BNA_M

ClientSampleId :

B-61(0-1)-101117

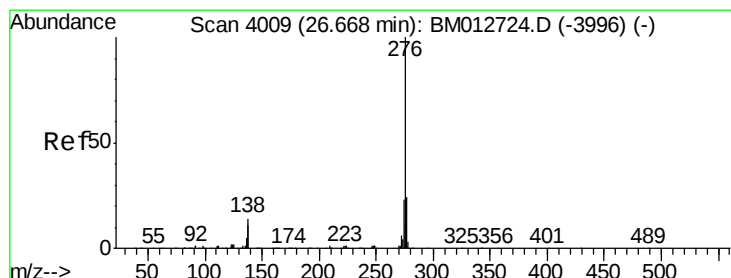
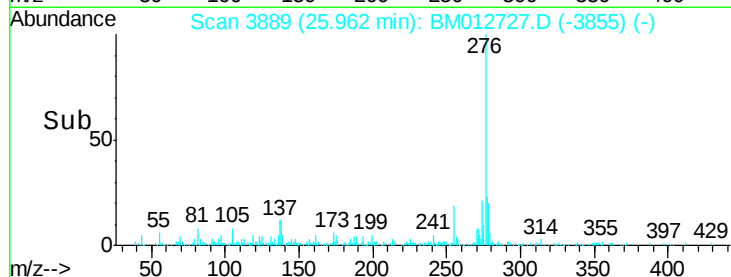
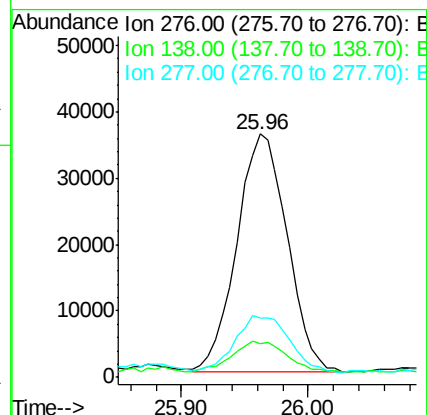
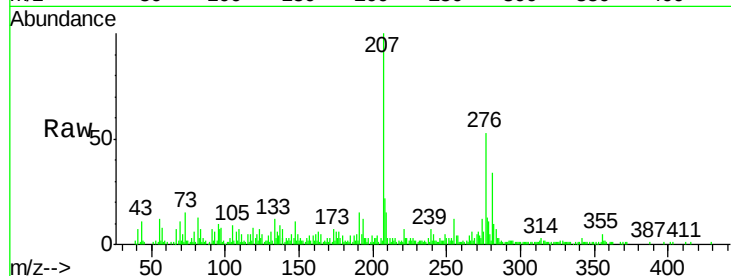
Tot Ion:276 Resp: 98652

Ion Ratio Lower Upper

276 100

138 13.7 22.3 33.5#

277 24.5 20.2 30.2



#93

Benzo(g,h,i)perylene

Concen: 2.63 ng/ul

RT: 26.67 min Scan# 4009

Delta R.T. 0.00 min

Lab File: BM012727.D

Acq: 05 Nov 2017 03:06

Tgt Ion:276 Resp: 90618

Ion Ratio Lower Upper

276 100

138 15.2 18.9 28.3#

277 23.9 19.2 28.8

