

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012731.D
 Acq On : 05 Nov 2017 05:28
 Operator : SJ/JU
 Sample : I5933-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-9(5-6) 101617

Quant Time: Nov 06 03:28:11 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	7.82	152	104204	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	386532	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	216686	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	928313	20.00	ng/ul	0.10
77) Chrysene-d12	21.37	240	563050	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	640859	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	12468	6.46	ng/uL	0.00
5) Phenol-d5	6.99	99	269634	34.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	158808	37.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	232856	36.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	203463	30.40	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	110589	38.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	131402	40.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	236713	35.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	148353	22.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	704016	39.26	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	856978	38.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	85356	29.71	ng/ul	0.01
57) Fluorene-d10	15.45	176	597087	38.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	74523	12.16	ng/ul	0.00
70) Anthracene-d10	17.29	188	927730	20.68	ng/ul	0.00
78) Pyrene-d10	19.59	212	1020693	39.07	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1263385	41.69	ng/ul	0.01

Target Compounds

					Ovalue
4) Benzaldehyde	6.96	77	6944	1.68	ng/ul# 41
6) Phenol	7.02	94	27236	3.42	ng/ul 91
17) Hexachloroethane	8.92	117	4351	1.62	ng/ul# 7
21) Isophorone	9.52	82	25144	2.08	ng/ul# 1
28) Naphthalene	10.65	128	20106	1.04	ng/ul# 96
32) Caprolactam	11.63	113	3908	2.13	ng/ul# 12
44) Dimethylphthalate	13.91	163	176416	9.91	ng/ul 99
49) Acenaphthene	14.52	153	30497	2.08	ng/ul 98
58) Fluorene	15.50	166	33345	1.88	ng/ul 93
69) Phenanthrene	17.33	178	137335	2.71	ng/ul 96
71) Anthracene	17.33	178	137335	2.61	ng/ul 97
76) Fluoranthene	19.26	202	1082923	17.76	ng/ul# 92
79) Pyrene	19.62	202	1509164	44.92	ng/ul# 90
82) Benzo(a)anthracene	21.36	228	805903	23.65	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.29	149	48129	2.70	ng/ul# 91
84) Chrysene	21.41	228	801687	25.96	ng/ul 98
87) Benzo(b)fluoranthene	22.97	252	947089	24.18	ng/ul# 95
88) Benzo(k)fluoranthene	22.97	252	947089	25.44	ng/ul# 95
90) Benzo(a)pyrene	23.46	252	541759	14.54	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.97	276	510057	11.36	ng/ul# 85
92) Dibenzo(a,h)anthracene	25.97	278	154514	4.06	ng/ul 93
93) Benzo(a,h,i)perylene	26.69	276	492828	13.32	ng/ul# 89

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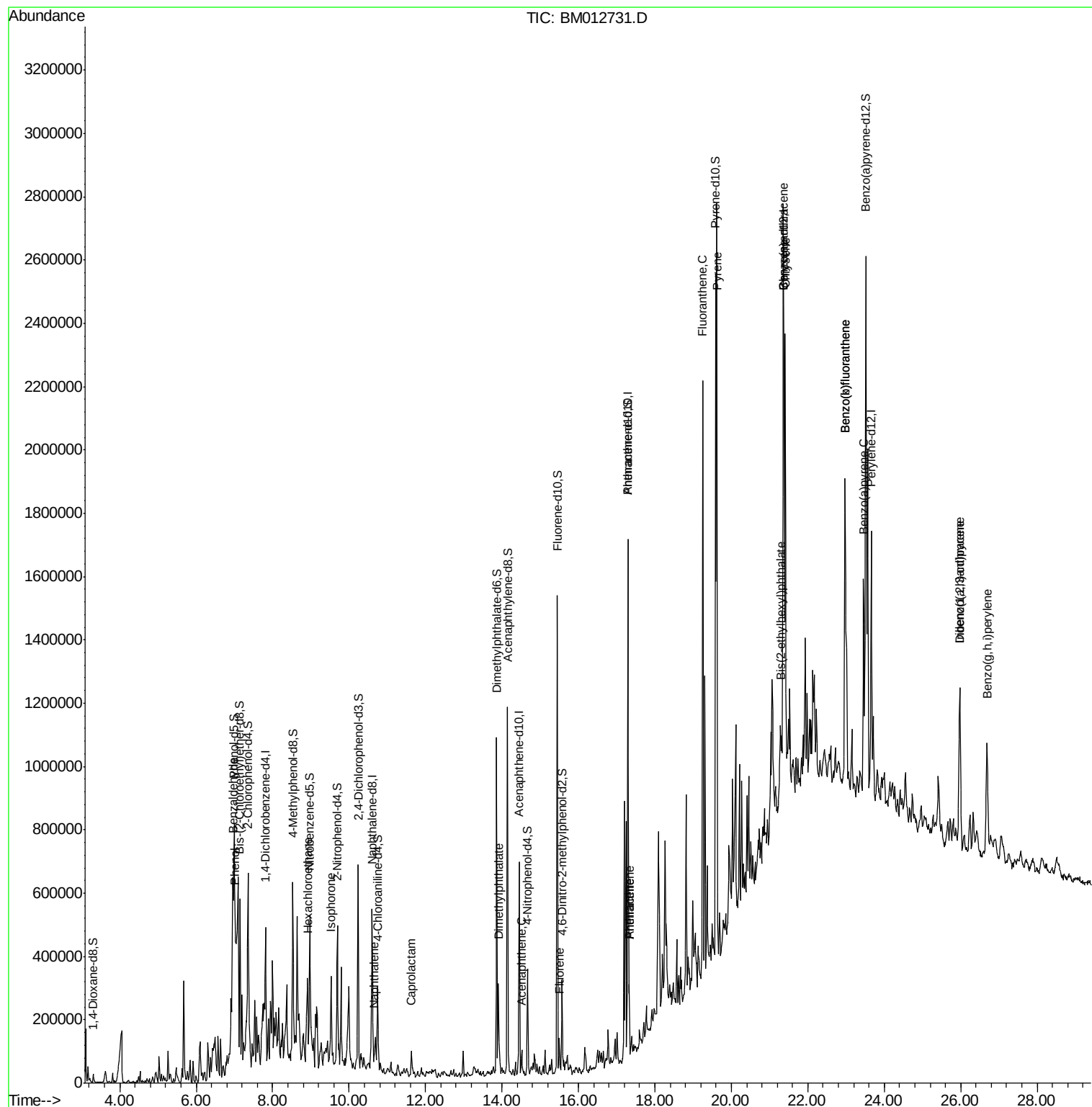
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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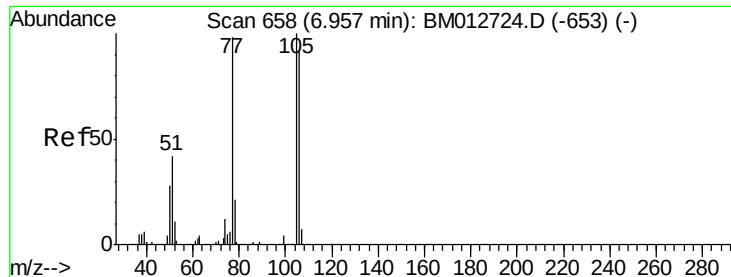
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_M
ClientSampleId :
B-9(5-6)_101617

Quant Time: Nov 06 03:28:11 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





#4

Benzaldehyde

Concen: 1.68 ng/ul

RT: 6.96 min Scan# 658

Delta R.T. 0.00 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

Instrument :

BNA_M

ClientSampleId :

B-9(5-6) 101617

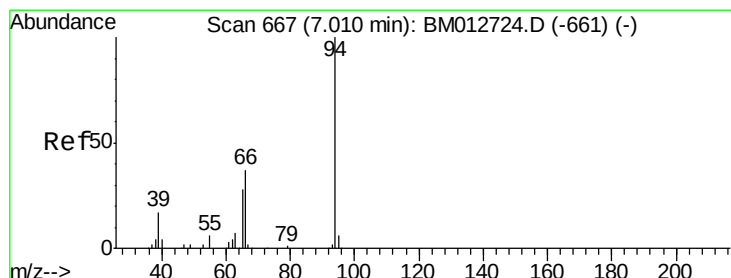
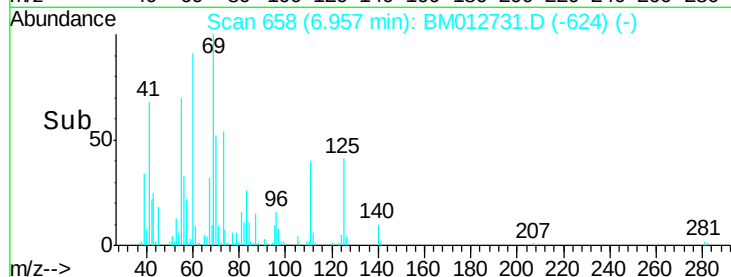
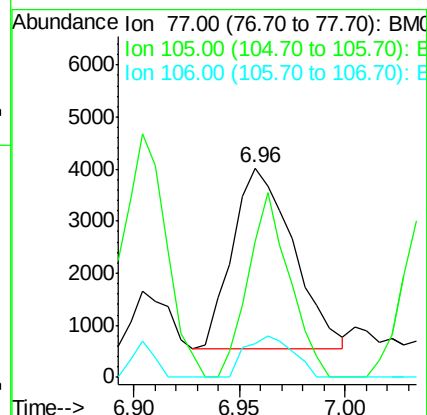
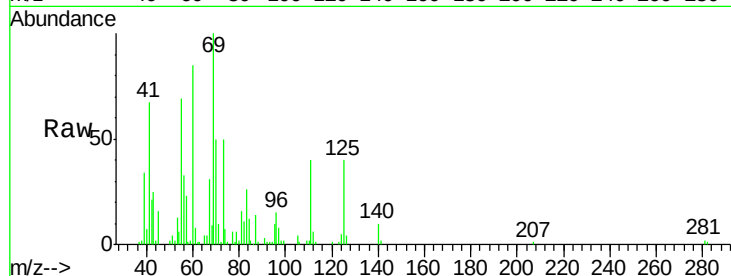
Tot Ion: 77 Resp: 6944

Ion Ratio Lower Upper

77 100

105 64.8 80.6 120.8#

106 16.3 77.7 116.5#



#6

Phenol

Concen: 3.42 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

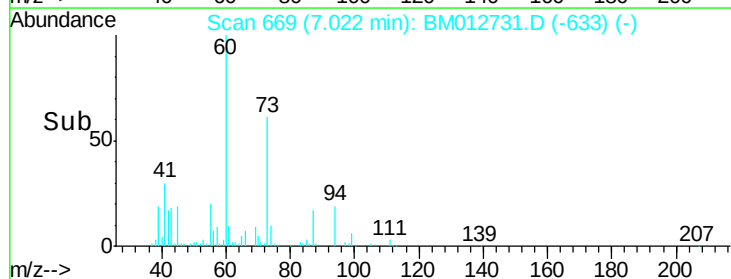
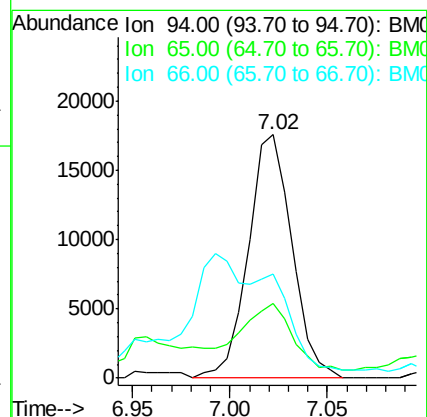
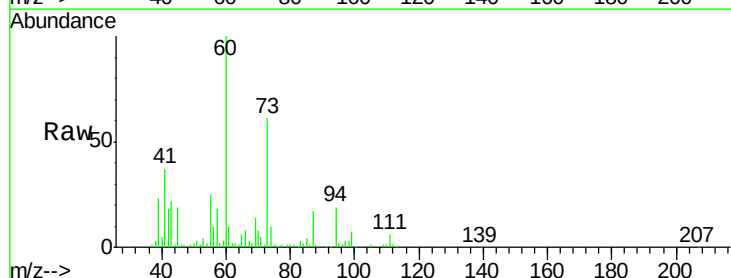
Tgt Ion: 94 Resp: 27236

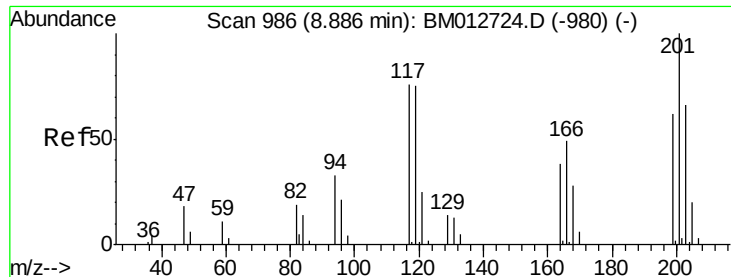
Ion Ratio Lower Upper

94 100

65 30.6 21.0 31.6

66 42.6 29.3 43.9





#17

Hexachloroethane

Concen: 1.62 ng/ul

RT: 8.92 min Scan# 991

Delta R.T. 0.03 min

Lab File: BM012731.D

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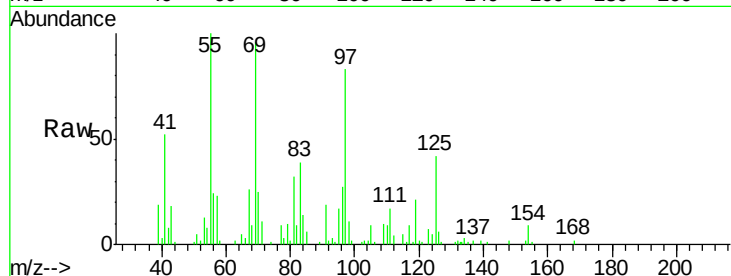
Tot Ion:117 Resp: 4351

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

199 0.0 50.6 76.0#

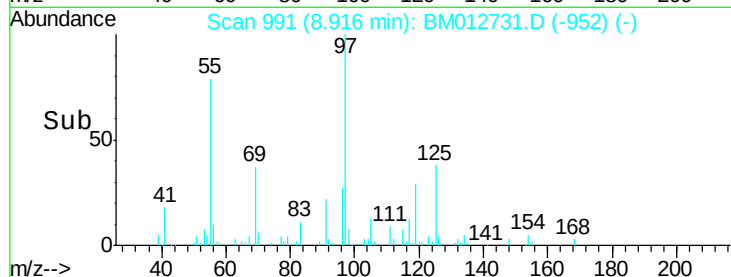


Abundance Ion 117.00 (116.70 to 117.70): E

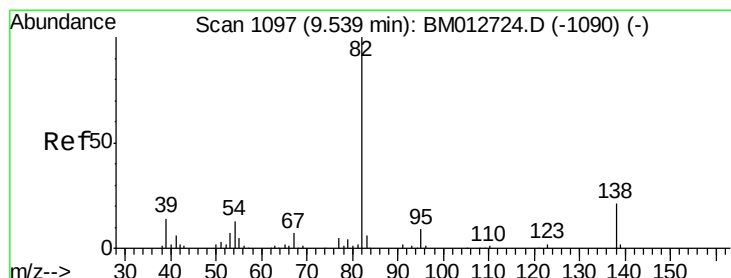
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

Time-->



Time-->



#21

Isophorone

Concen: 2.08 ng/ul

RT: 9.52 min Scan# 1094

Delta R.T. -0.02 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

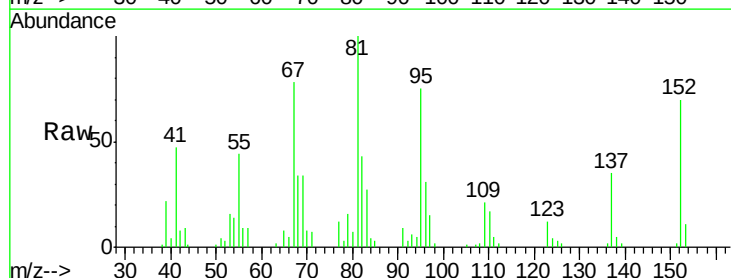
Tgt Ion: 82 Resp: 25144

Ion Ratio Lower Upper

82 100

95 174.9 6.4 9.6#

138 12.2 14.9 22.3#

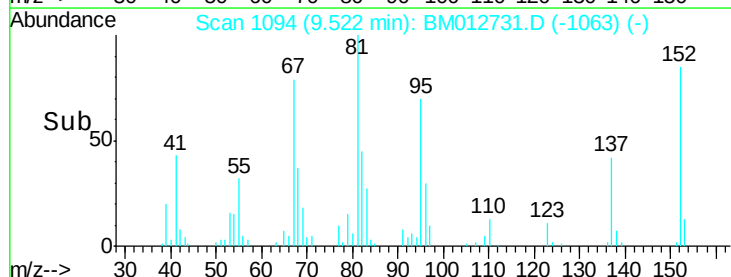


Abundance Ion 82.00 (81.70 to 82.70): BM0

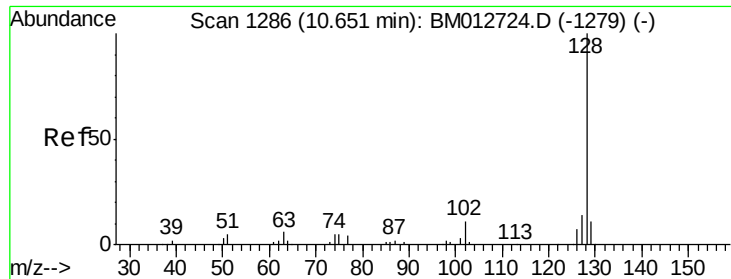
Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

Time-->



Time-->



#28

Naphthalene

Concen: 1.04 ng/ul

RT: 10.65 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

Instrument :

BNA_M

ClientSampleId :

B-9(5-6) 101617

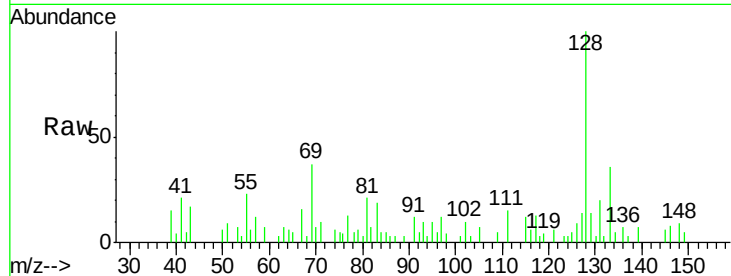
Tot Ion:128 Resp: 20106

Ion Ratio Lower Upper

128 100

129 13.8 8.8 13.2#

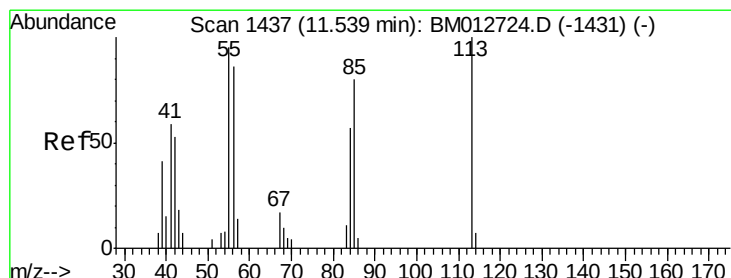
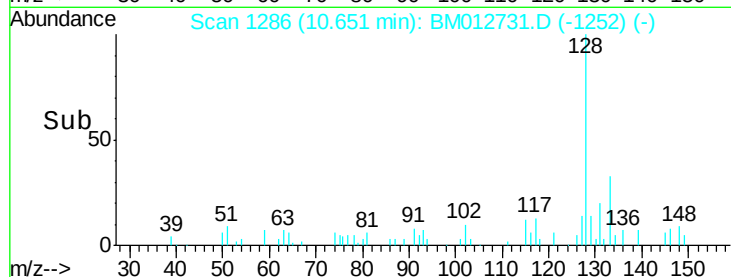
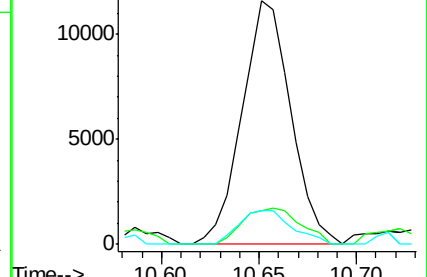
127 13.6 10.5 15.7



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: 2.13 ng/ul

RT: 11.63 min Scan# 1452

Delta R.T. 0.09 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

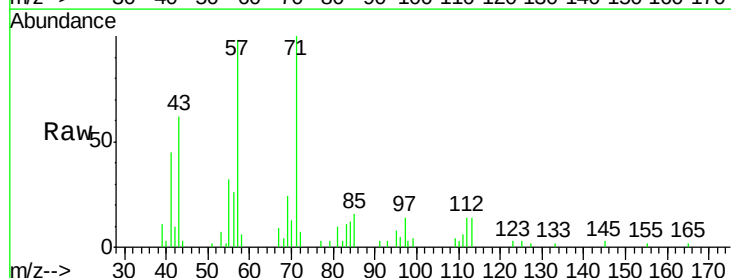
Tgt Ion:113 Resp: 3908

Ion Ratio Lower Upper

113 100

55 229.8 101.9 152.9#

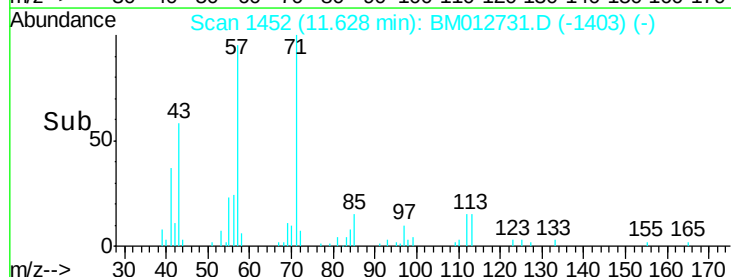
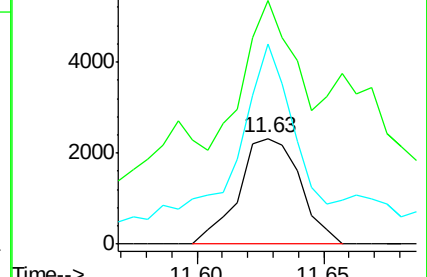
56 188.5 81.2 121.8#

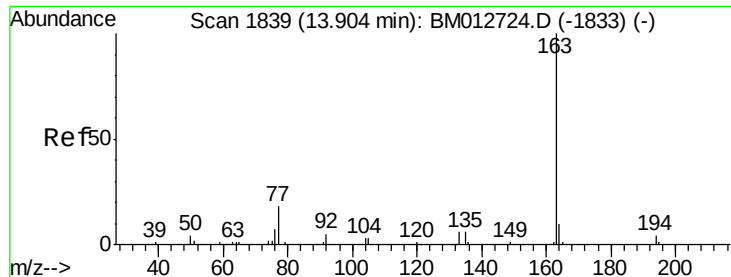


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

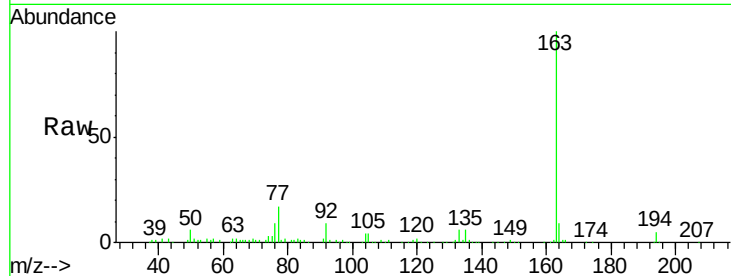




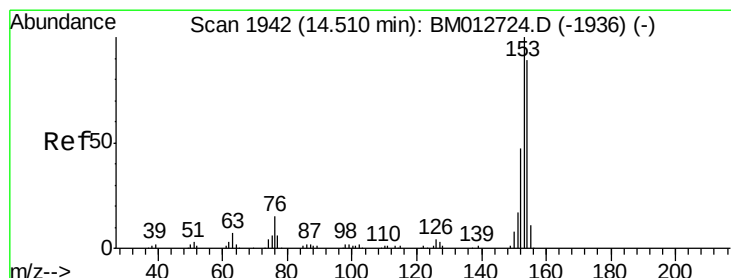
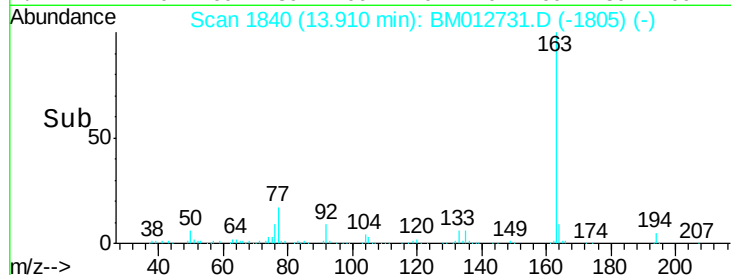
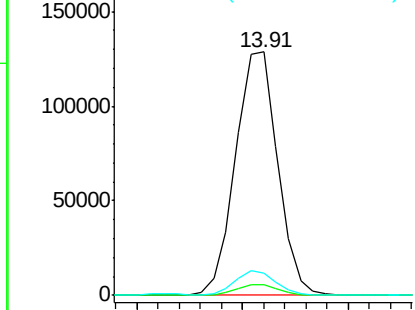
#44
Dimethylphthalate
Concen: 9.91 ng/ul
RT: 13.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM012731.D
Acq: 05 Nov 2017 05:28

Instrument :
BNA_M
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B-9(5-6) 101617

Tot Ion:163 Resp: 176416
Ion Ratio Lower Upper
163 100
194 4.6 3.2 4.8
164 9.3 7.8 11.8

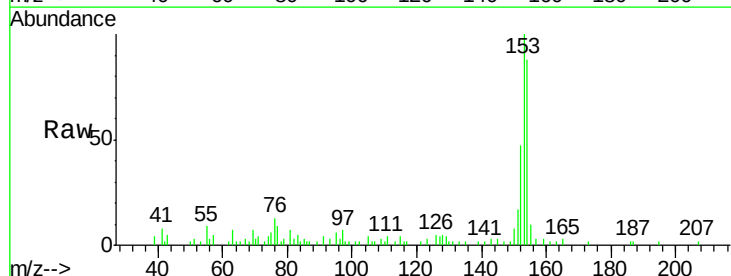


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

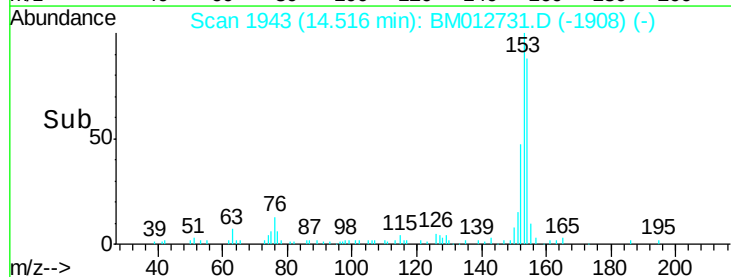
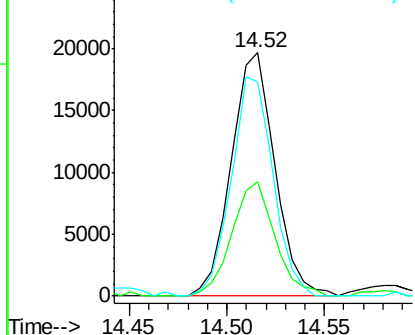


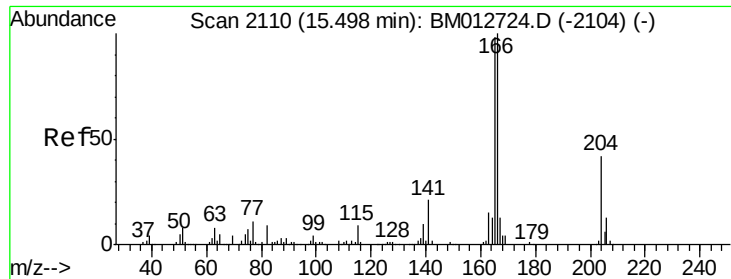
#49
Acenaphthene
Concen: 2.08 ng/ul
RT: 14.52 min Scan# 1943
Delta R.T. 0.01 min
Lab File: BM012731.D
Acq: 05 Nov 2017 05:28

Tgt Ion:153 Resp: 30497
Ion Ratio Lower Upper
153 100
152 47.1 38.3 57.5
154 87.9 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 1.88 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

Instrument :

BNA_M

ClientSampleId :

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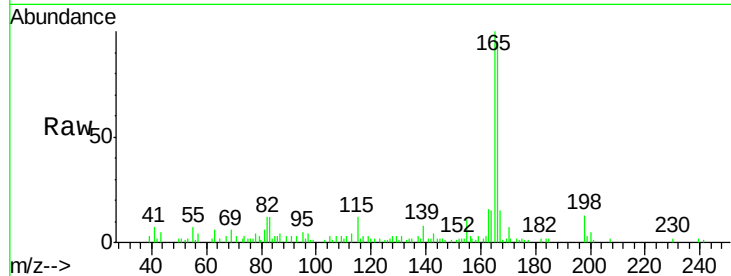
Tot Ion:166 Resp: 33345

Ion Ratio Lower Upper

166 100

165 104.8 78.5 117.7

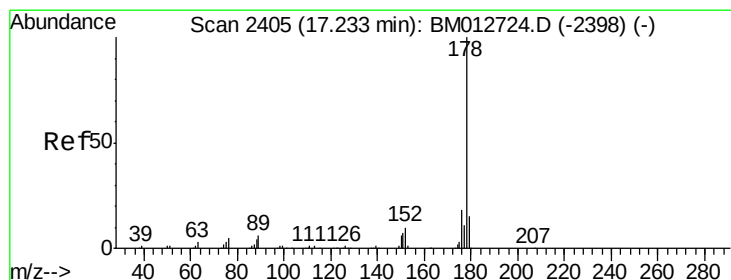
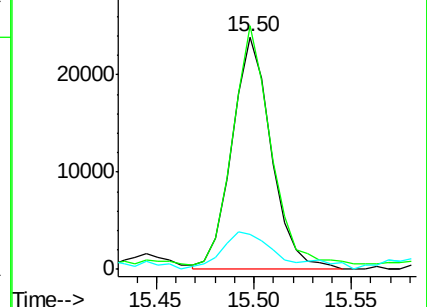
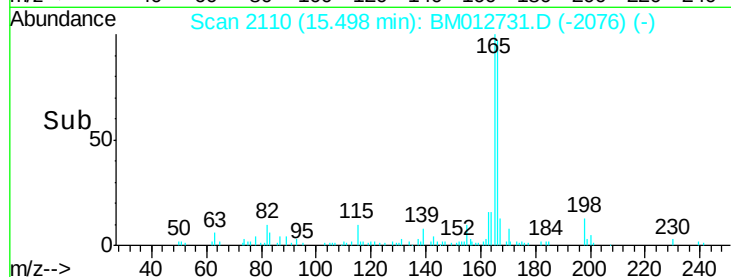
167 15.3 10.7 16.1



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: 2.71 ng/ul

RT: 17.33 min Scan# 2421

Delta R.T. 0.09 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

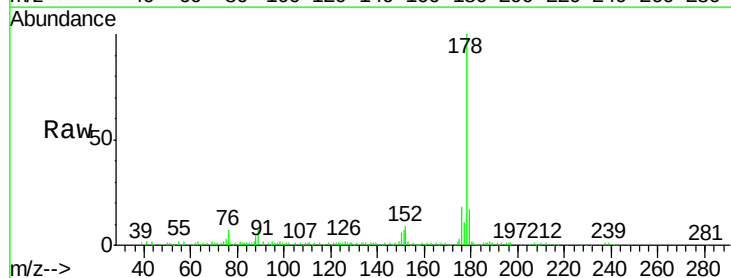
Tgt Ion:178 Resp: 137335

Ion Ratio Lower Upper

178 100

179 16.7 12.2 18.4

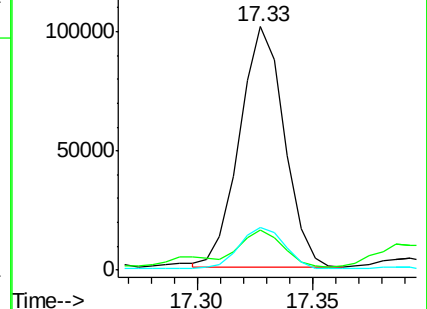
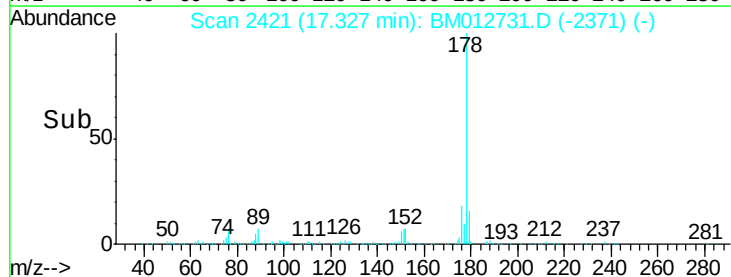
176 17.7 15.6 23.4

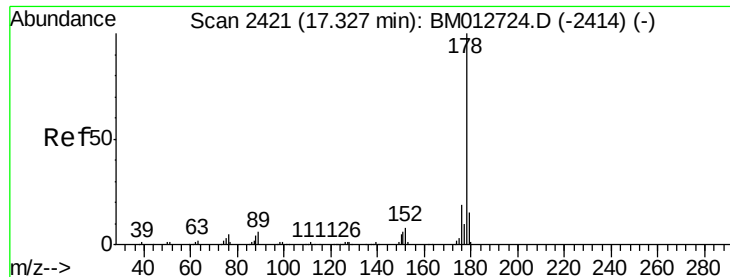


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

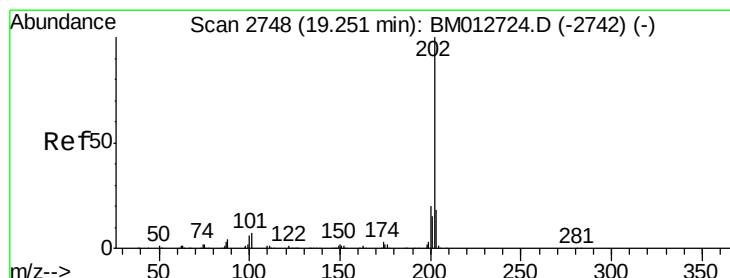
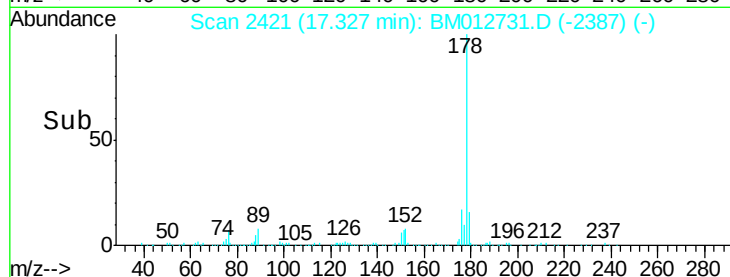
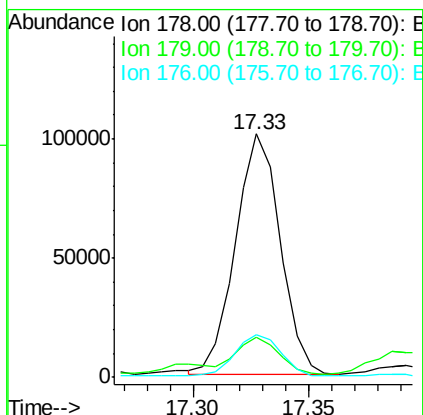
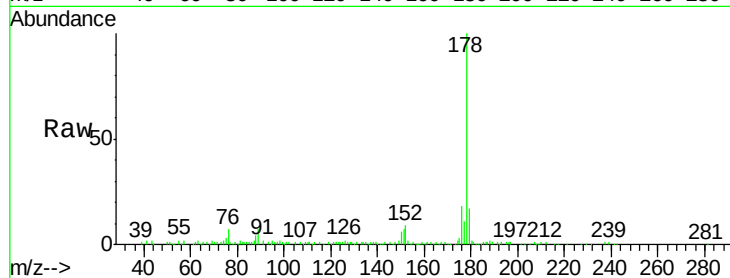




#71
 Anthracene
 Concen: 2.61 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BM012731.D
 Acq: 05 Nov 2017 05:28

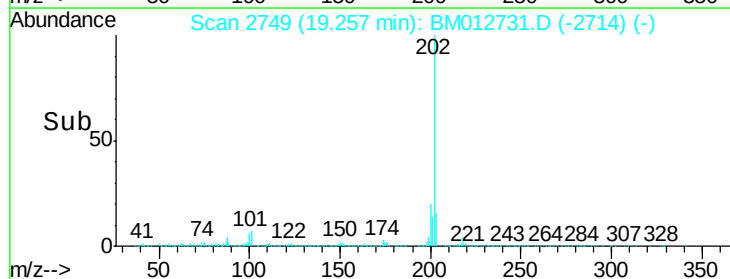
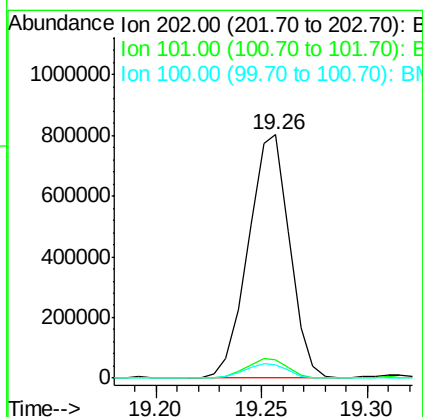
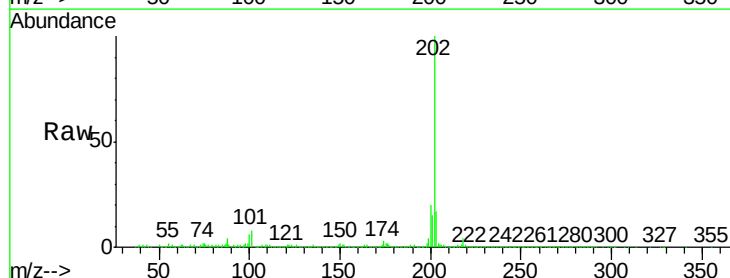
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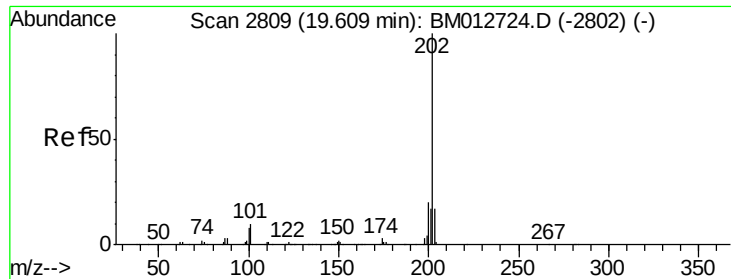
Tot Ion:178 Resp: 137335
 Ion Ratio Lower Upper
 178 100
 179 16.7 12.1 18.1
 176 17.7 14.8 22.2



#76
 Fluoranthene
 Concen: 17.76 ng/ul
 RT: 19.26 min Scan# 2749
 Delta R.T. 0.01 min
 Lab File: BM012731.D
 Acq: 05 Nov 2017 05:28

Tgt Ion:202 Resp: 1082923
 Ion Ratio Lower Upper
 202 100
 101 7.6 8.8 13.2#
 100 5.7 6.6 9.8#

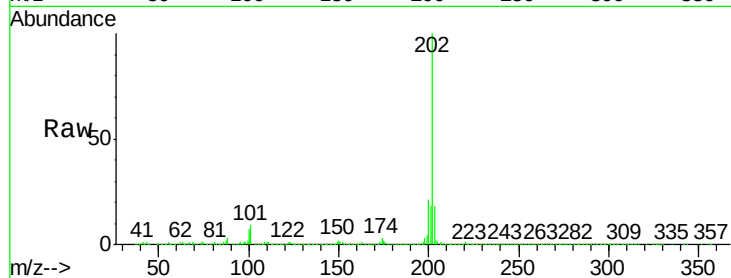




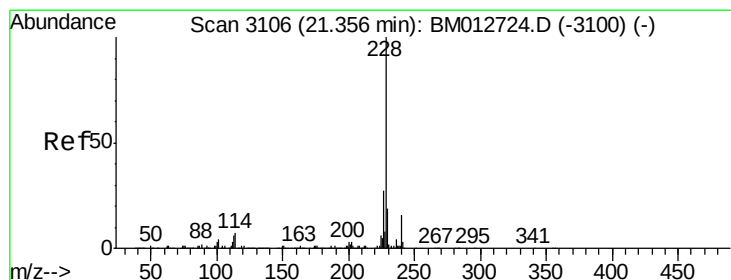
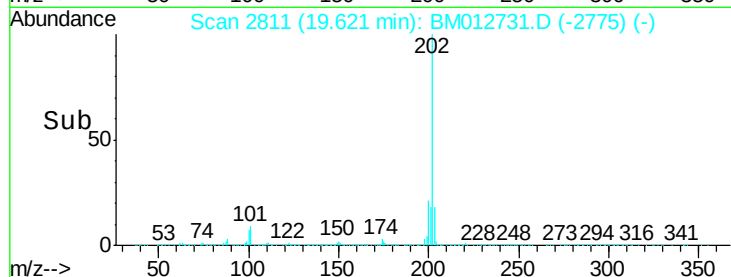
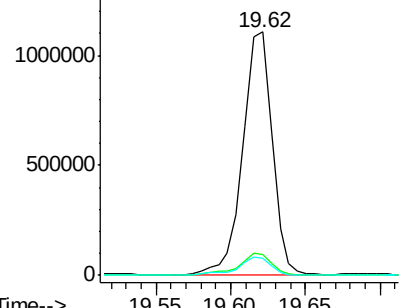
#79
Pvrene
Concen: 44.92 ng/ul
RT: 19.62 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BM012731.D
Acq: 05 Nov 2017 05:28

Instrument :
BNA_M
ClientSampleId :
B-9(5-6) 101617

Tot Ion:202 Resp: 1509164
Ion Ratio Lower Upper
202 100
101 8.8 10.2 15.2#
100 7.0 8.5 12.7#

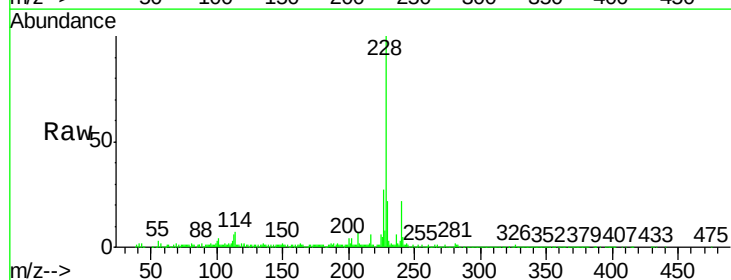


Abundance Ion 202.00 (201.70 to 202.70): E
1500000 Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

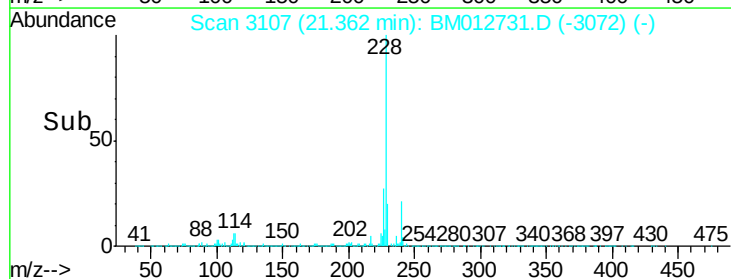
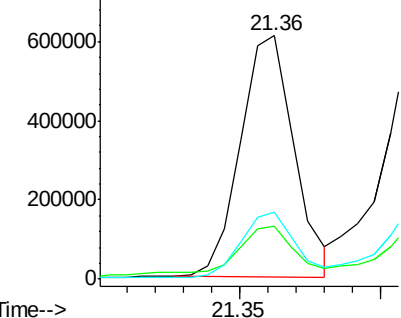


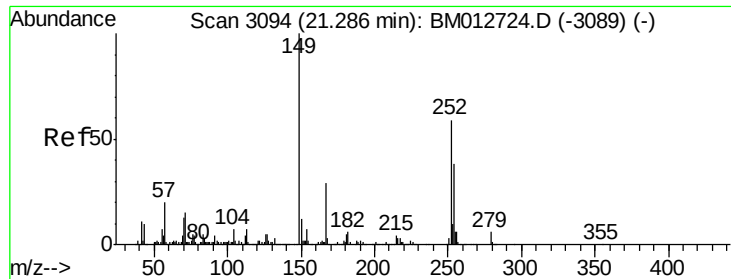
#82
Benzo(a)anthracene
Concen: 23.65 ng/ul
RT: 21.36 min Scan# 3107
Delta R.T. 0.01 min
Lab File: BM012731.D
Acq: 05 Nov 2017 05:28

Tgt Ion:228 Resp: 805903
Ion Ratio Lower Upper
228 100
229 21.6 15.7 23.5
226 27.4 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E
800000 Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

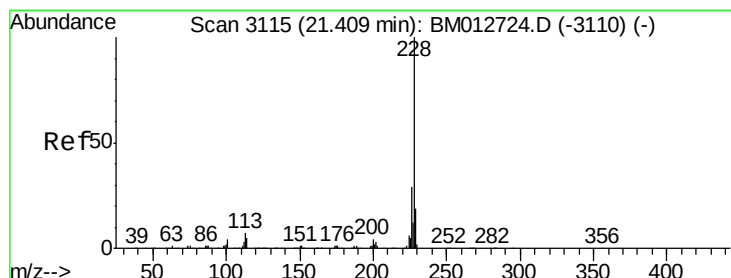
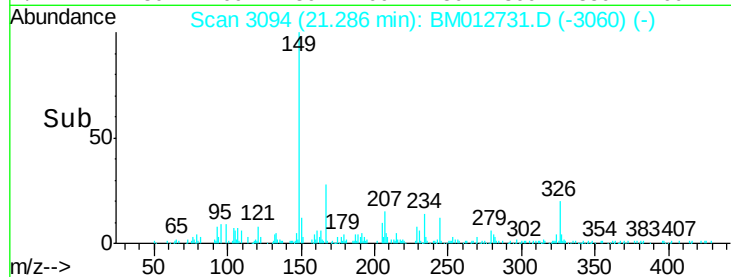
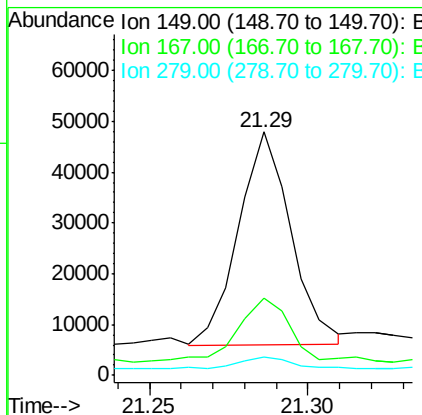
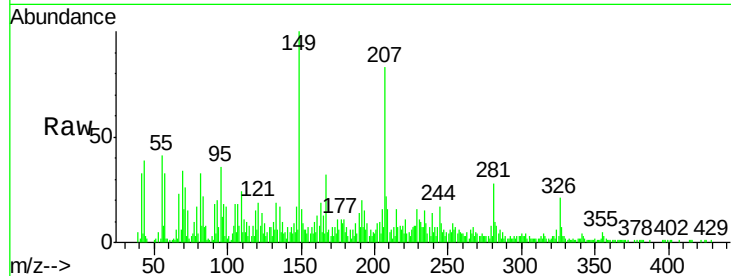




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.70 ng/ul
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.00 min
 Lab File: BM012731.D
 Acq: 05 Nov 2017 05:28

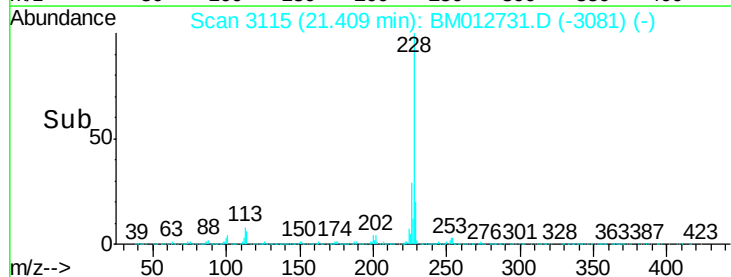
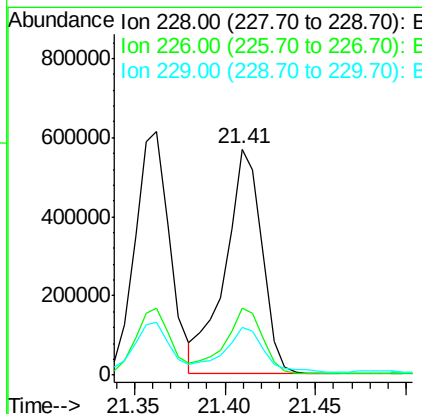
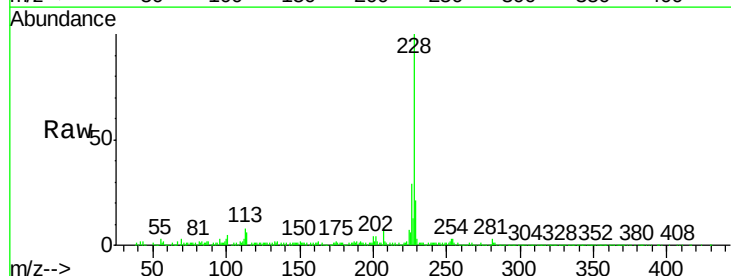
Instrument :
 BNA_M
 ClientSampleId :
 B-9(5-6)_101617

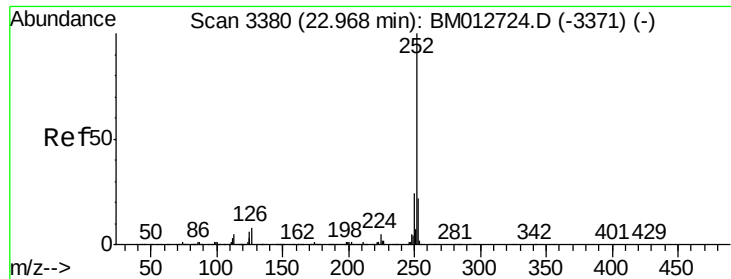
Tot Ion:149 Resp: 48129
 Ion Ratio Lower Upper
 149 100
 167 31.7 21.6 32.4
 279 7.7 3.0 4.4#



#84
 Chrysene
 Concen: 25.96 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.00 min
 Lab File: BM012731.D
 Acq: 05 Nov 2017 05:28

Tgt Ion:228 Resp: 801687
 Ion Ratio Lower Upper
 228 100
 226 29.5 24.0 36.0
 229 21.4 15.6 23.4

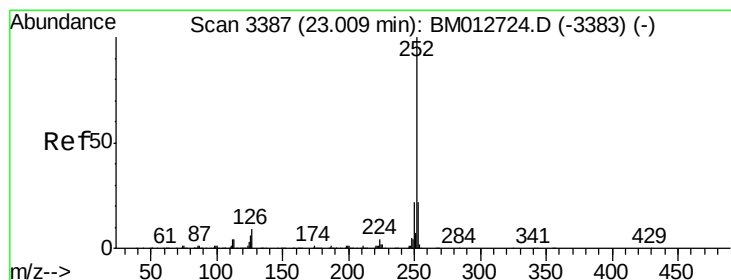
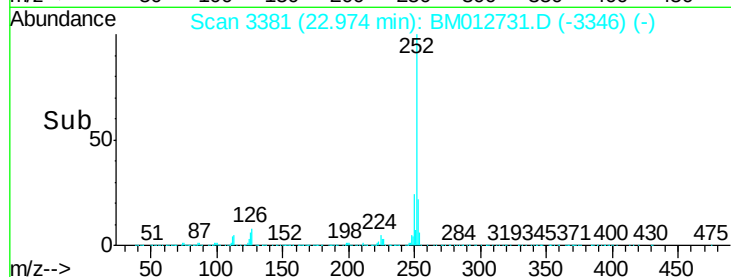
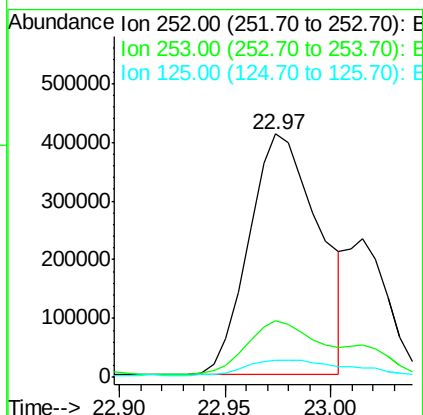
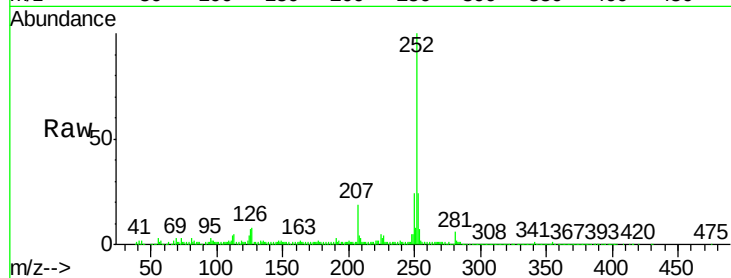




#87
Benzo(b)fluoranthene
Concen: 24.18 ng/ul
RT: 22.97 min Scan# 3381
Delta R.T. 0.01 min
Lab File: BM012731.D
Acq: 05 Nov 2017 05:28

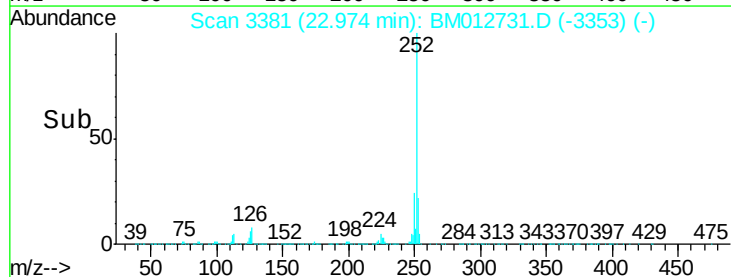
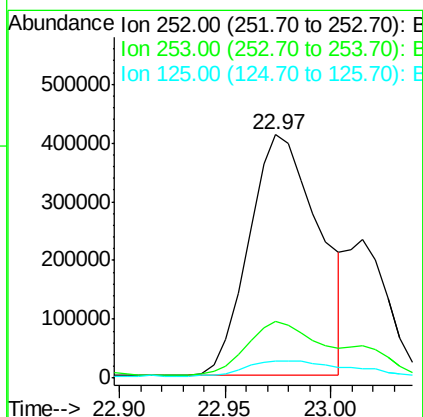
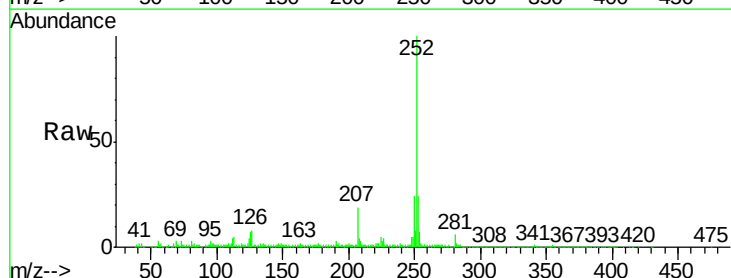
Instrument :
BNA_M
ClientSampleId :
B-9(5-6) 101617

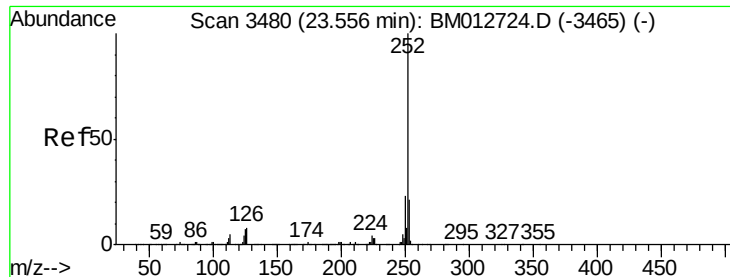
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	7.1	8.5	12.7#



#88
Benzo(k)fluoranthene
Concen: 25.44 ng/ul
RT: 22.97 min Scan# 3381
Delta R.T. -0.04 min
Lab File: BM012731.D
Acq: 05 Nov 2017 05:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	7.1	8.2	12.2#





#90

Benzo(a)pyrene

Concen: 14.54 ng/ul

RT: 23.46 min Scan# 3464

Delta R.T. -0.09 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

Instrument :

BNA_M

ClientSampleId :

B-9(5-6) 101617

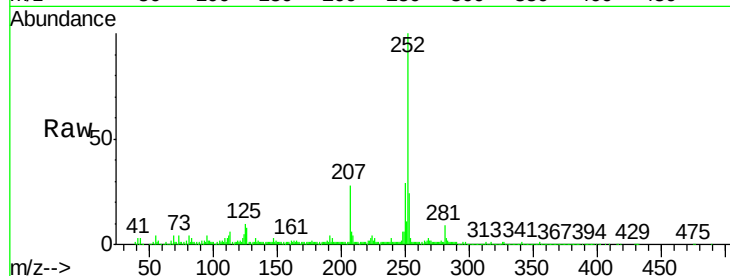
Tot Ion:252 Resp: 541759

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

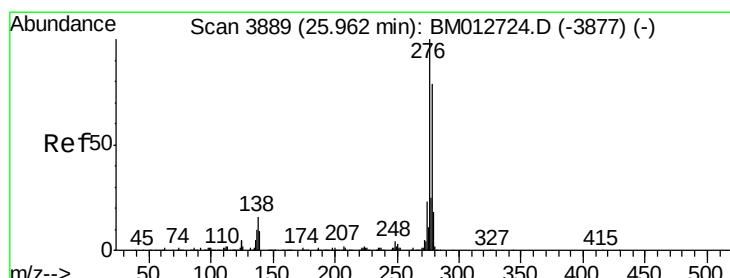
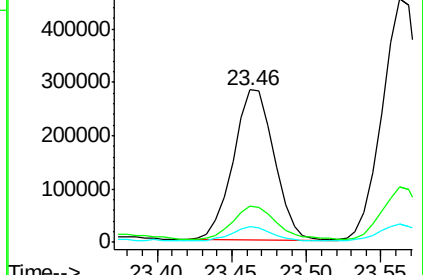
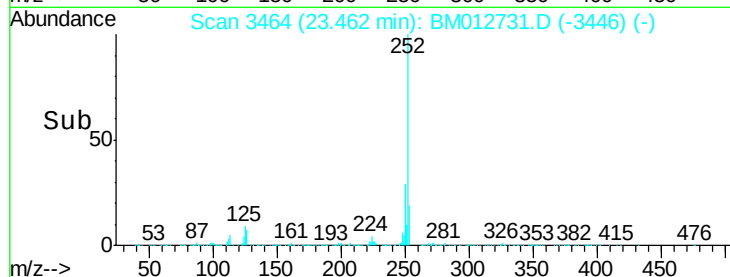
125 10.2 9.0 13.6



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: 11.36 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.01 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

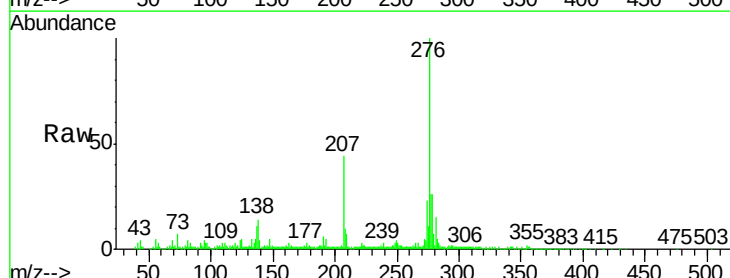
Tgt Ion:276 Resp: 510057

Ion Ratio Lower Upper

276 100

138 13.5 22.3 33.5#

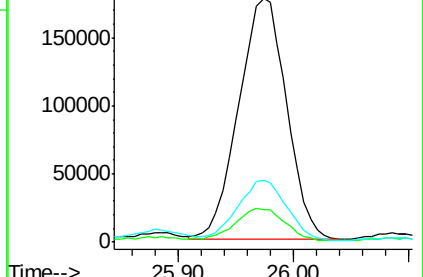
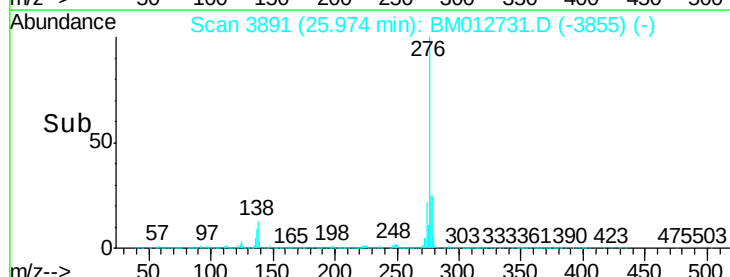
277 25.6 20.2 30.2

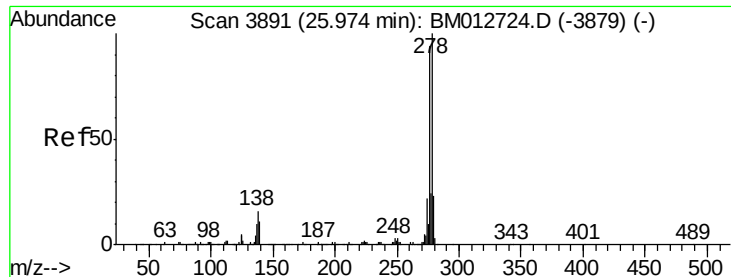


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 4.06 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.00 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

Instrument :

BNA_M

ClientSampleId :

B-9(5-6) 101617

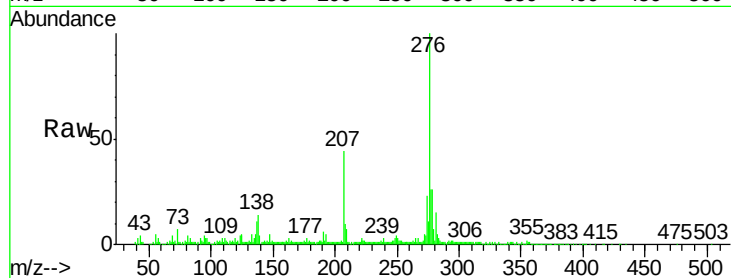
Tot Ion:278 Resp: 154514

Ion Ratio Lower Upper

278 100

139 15.2 13.9 20.9

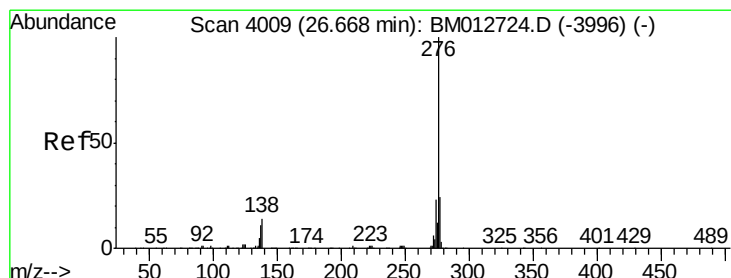
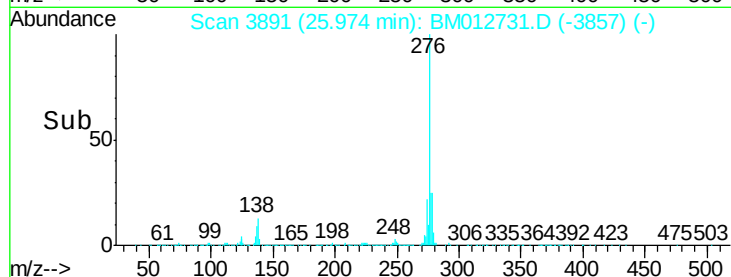
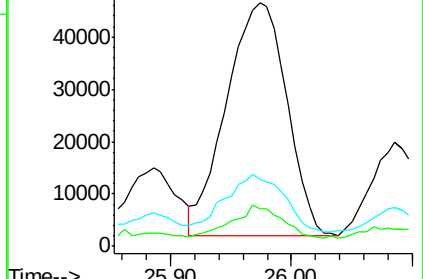
279 27.6 19.0 28.4



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



#93

Benzo(g,h,i)perylene

Concen: 13.32 ng/ul

RT: 26.69 min Scan# 4012

Delta R.T. 0.02 min

Lab File: BM012731.D

Acq: 05 Nov 2017 05:28

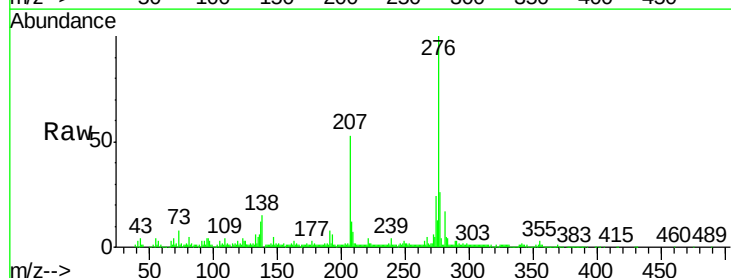
Tgt Ion:276 Resp: 492828

Ion Ratio Lower Upper

276 100

138 14.9 18.9 28.3#

277 25.8 19.2 28.8



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

