

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
 Data File : BM005514.D
 Acq On : 20 May 2016 00:56
 Operator : UM/SJ
 Sample : H2890-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT8

Quant Time: May 20 02:12:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 01:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	12193	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	44075	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	24095	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	74374	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	200220	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	221863	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.00	99	10563	9.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	7798	12.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	9393	10.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	7283	7.30	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	4211	13.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	3926	11.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	7433	10.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	3238	4.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	23385	11.81	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	31409	13.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	1845	4.54	ng/ul	0.01
57) Fluorene-d10	15.46	176	24055	13.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	2247	5.73	ng/ul	0.00
70) Anthracene-d10	17.30	188	45244	13.23	ng/ul	0.00
76) Pyrene-d10	19.59	212	84596	10.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	128627	12.97	ng/ul	-0.01

Target Compounds

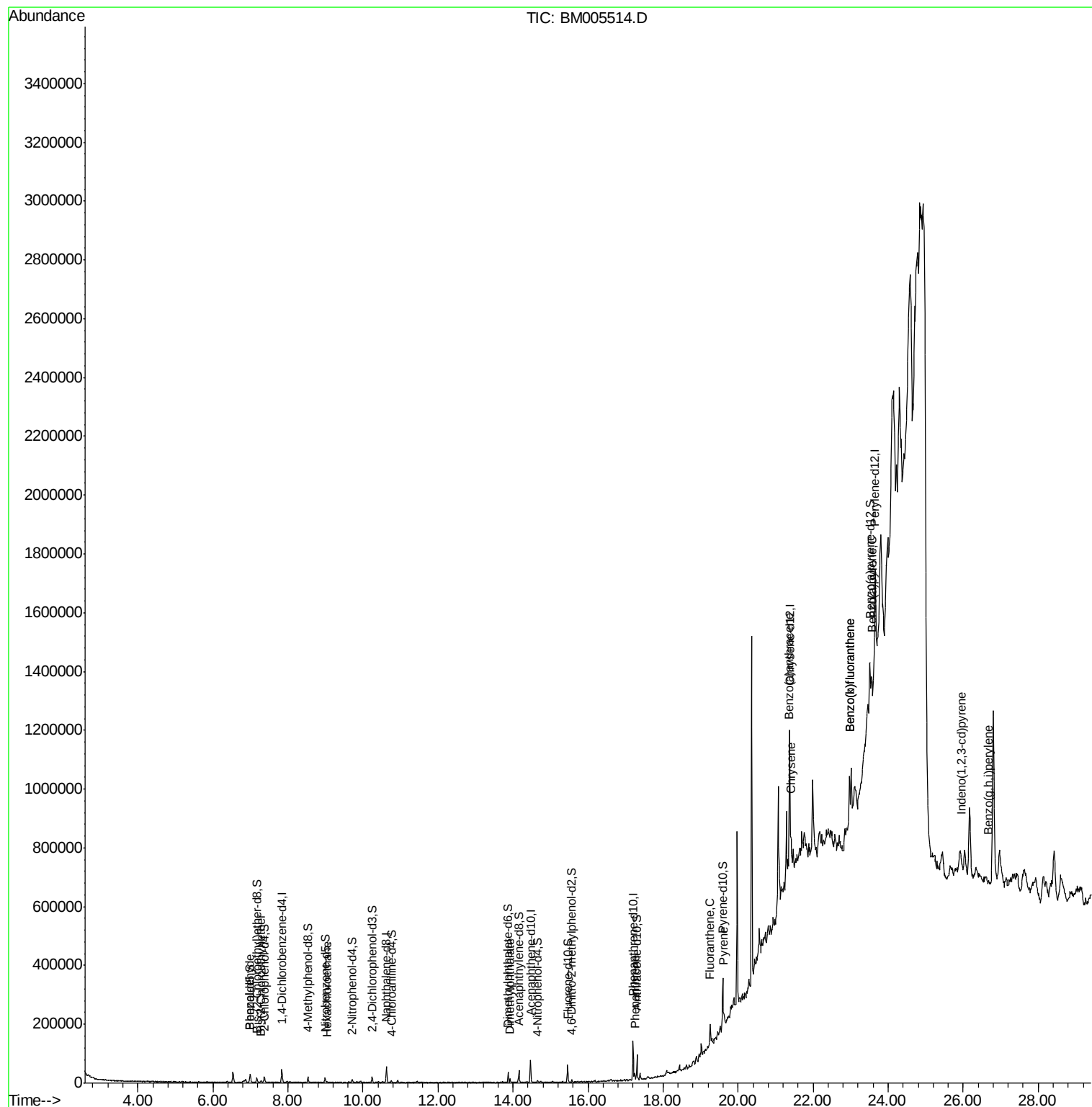
						Qvalue
4) Benzaldehyde	6.99	77	8507	14.92	ng/ul	93
8) Bis(2-Chloroethyl)ether	7.29	93	2297	2.58	ng/ul#	21
17) Hexachloroethane	9.03	117	1336	3.95	ng/ul#	8
44) Dimethylphthalate	13.92	163	8304	4.11	ng/ul#	96
69) Phenanthrene	17.24	178	14173	3.35	ng/ul	96
74) Fluoranthene	19.26	202	35782	7.23	ng/ul	97
77) Pyrene	19.62	202	31642	2.95	ng/ul	98
80) Benzo(a)anthracene	21.36	228	26798	2.28	ng/ul#	87
82) Chrysene	21.41	228	29576	2.66	ng/ul#	80
85) Benzo(b)fluoranthene	22.97	252	50017	3.94	ng/ul#	76
86) Benzo(k)fluoranthene	22.97	252	50017	4.05	ng/ul#	76
88) Benzo(a)pyrene	23.56	252	27540	2.18	ng/ul#	72
89) Indeno(1,2,3-cd)pyrene	25.96	276	22640	1.36	ng/ul	94
91) Benzo(g,h,i)perylene	26.68	276	18266	1.27	ng/ul#	80

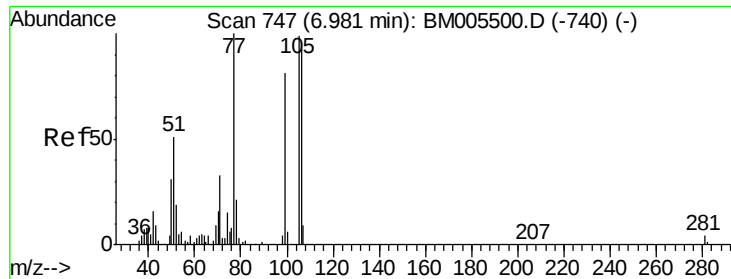
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 14.92 ng/ul

RT: 6.99 min Scan# 748

Delta R.T. 0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Instrument :

BNA_M

ClientSampleId :

D9WT8

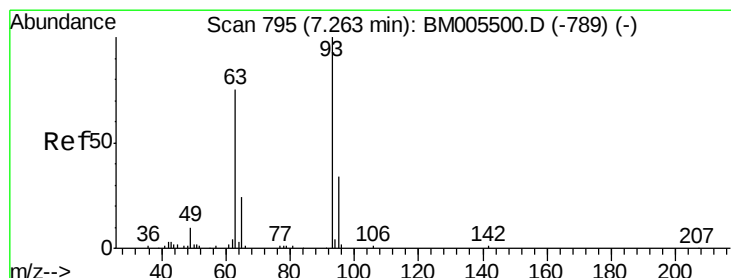
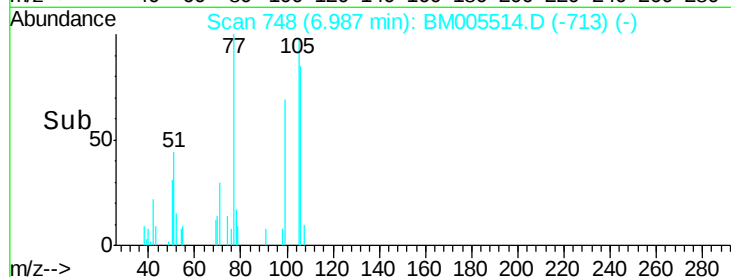
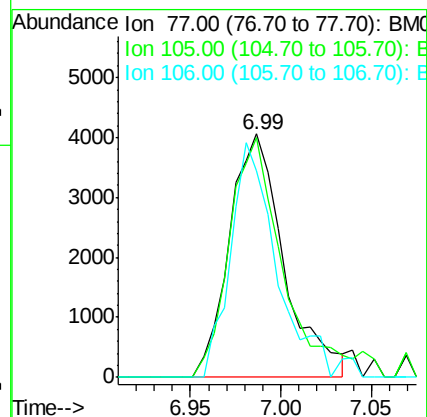
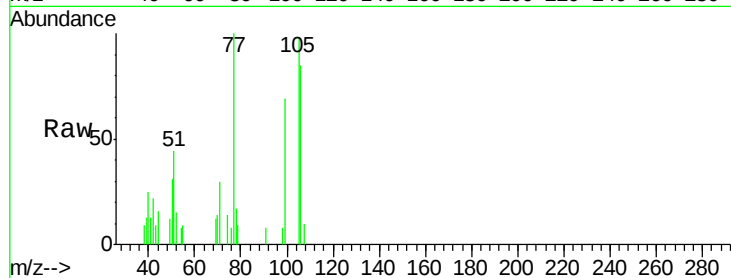
Tgt Ion: 77 Resp: 8507

Ion Ratio Lower Upper

77 100

105 98.4 77.6 116.4

106 84.8 77.9 116.9



#8

Bis(2-Chloroethyl)ether

Concen: 2.58 ng/ul

RT: 7.29 min Scan# 799

Delta R.T. 0.02 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

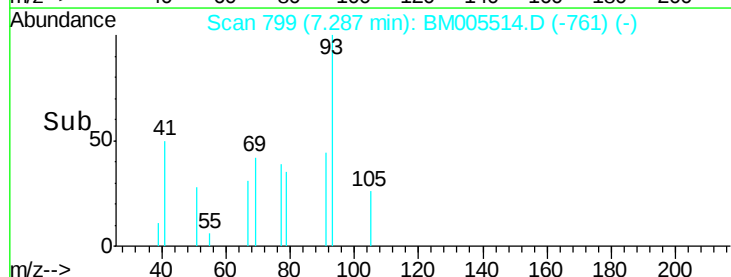
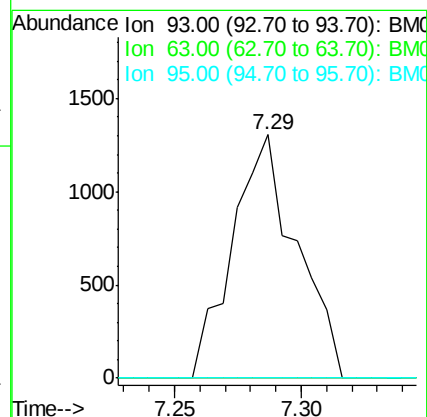
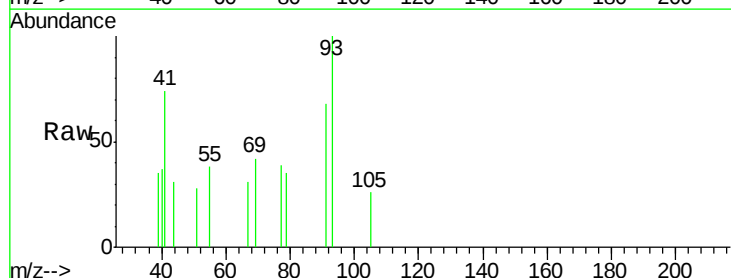
Tgt Ion: 93 Resp: 2297

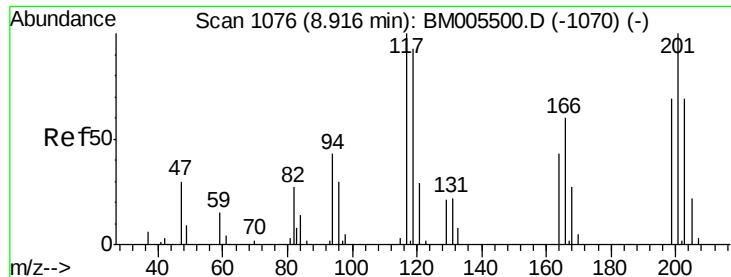
Ion Ratio Lower Upper

93 100

63 0.0 60.6 90.8#

95 0.0 24.2 36.4#

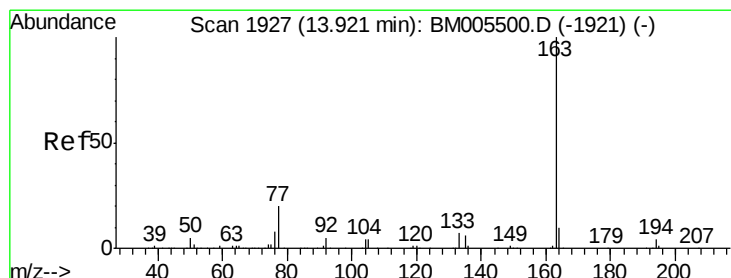
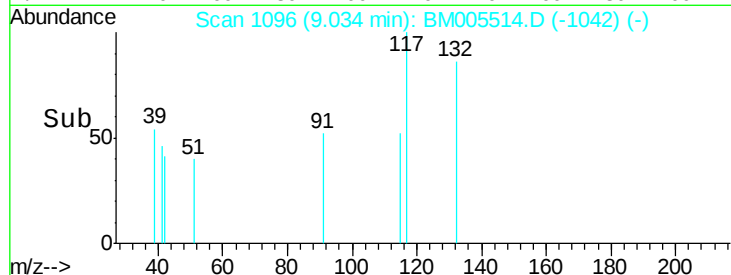
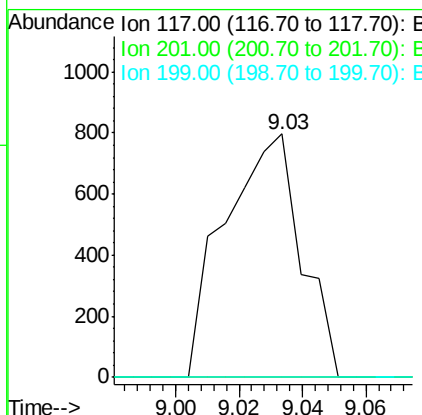
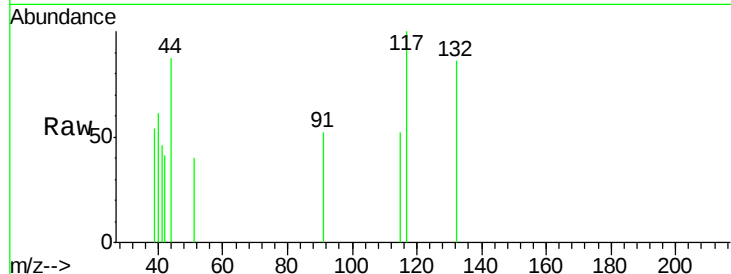




#17
Hexachloroethane
Concen: 3.95 ng/ul
RT: 9.03 min Scan# 1096
Delta R.T. 0.12 min
Lab File: BM005514.D
Acq: 20 May 2016 00:56

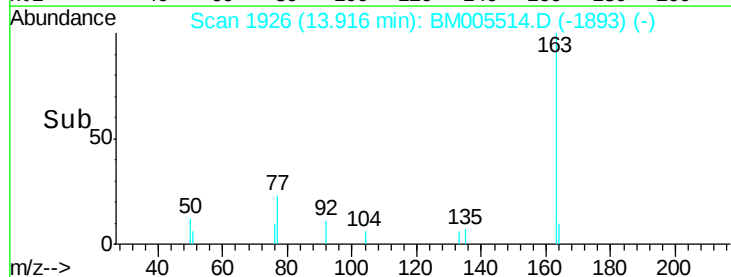
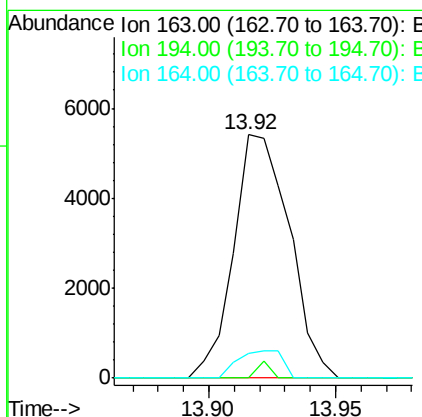
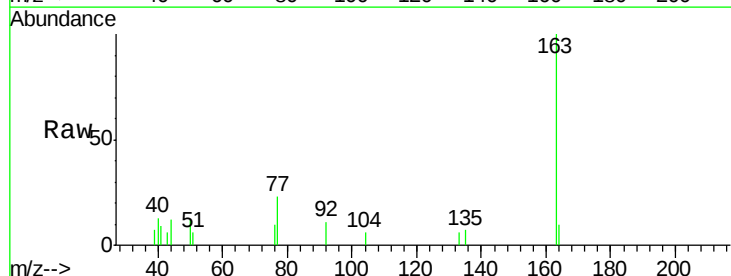
Instrument :
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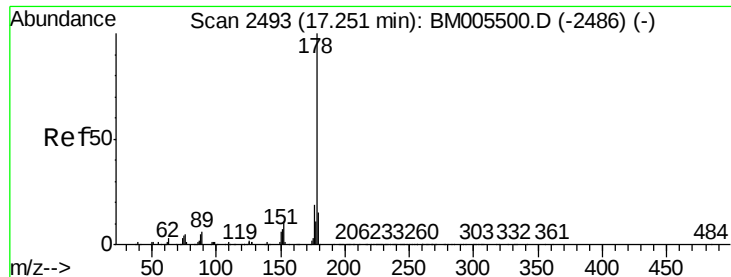
Tgt Ion:117 Resp: 1336
Ion Ratio Lower Upper
117 100
201 0.0 78.1 117.1#
199 0.0 50.2 75.2#



#44
Dimethylphthalate
Concen: 4.11 ng/ul
RT: 13.92 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BM005514.D
Acq: 20 May 2016 00:56

Tgt Ion:163 Resp: 8304
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 10.0 7.9 11.9





#69

Phenanthrene

Concen: 3.35 ng/ul

RT: 17.24 min Scan# 2492

Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Instrument :

BNA_M

ClientSampleId :

D9WT8

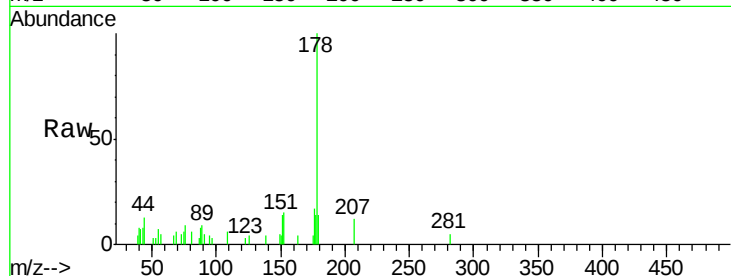
Tgt Ion:178 Resp: 14173

Ion Ratio Lower Upper

178 100

179 14.0 12.3 18.5

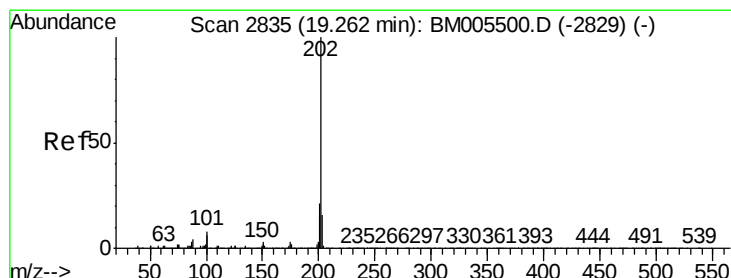
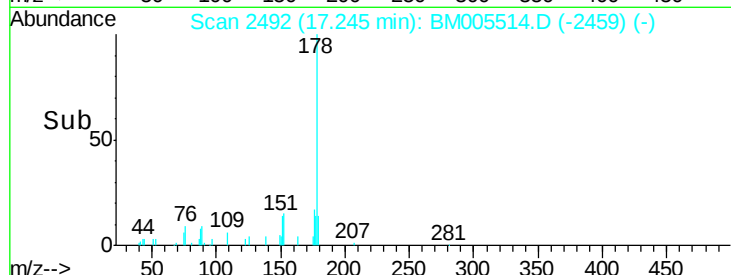
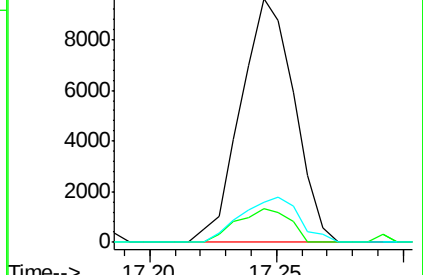
176 16.7 15.2 22.8



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



#74

Fluoranthene

Concen: 7.23 ng/ul

RT: 19.26 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

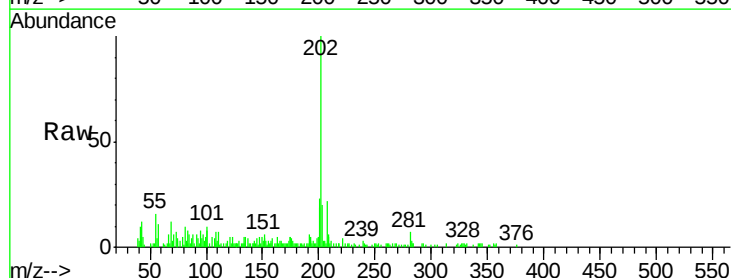
Tgt Ion:202 Resp: 35782

Ion Ratio Lower Upper

202 100

101 10.4 9.2 13.8

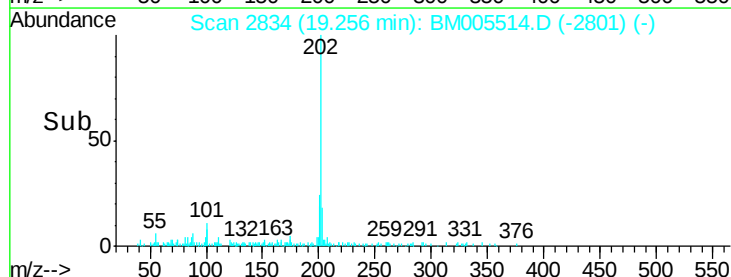
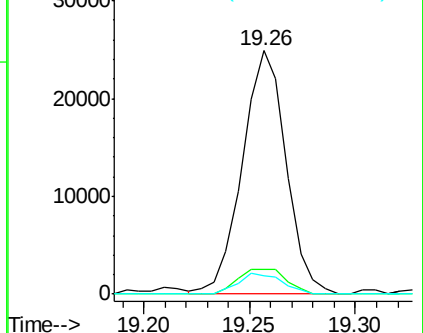
100 7.8 7.1 10.7

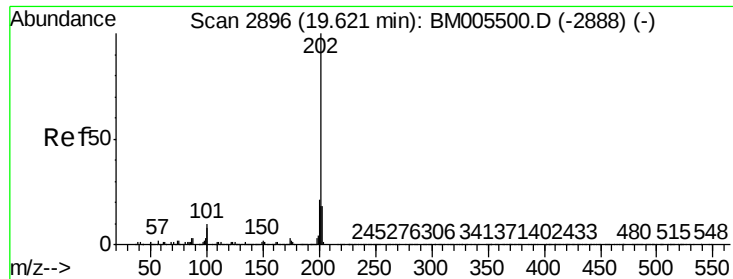


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 2.95 ng/ul

RT: 19.62 min Scan# 2896

Delta R.T. -0.00 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

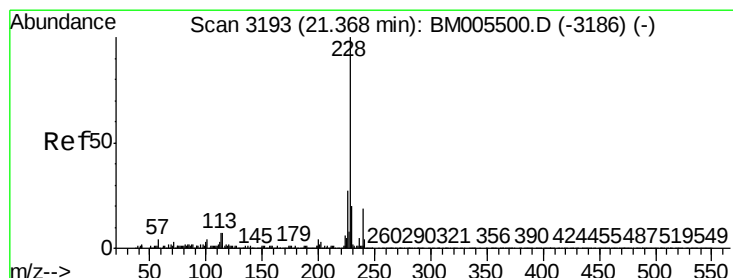
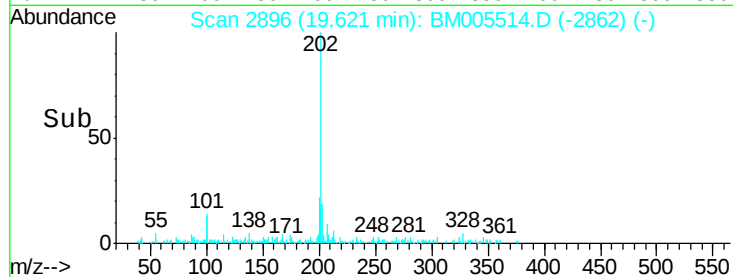
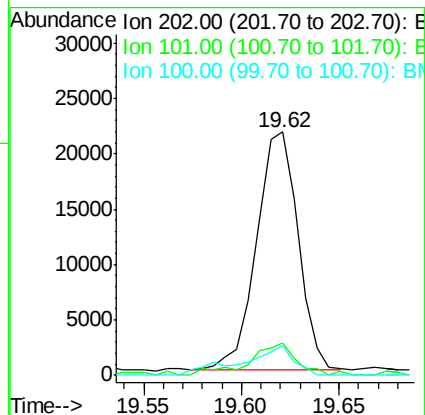
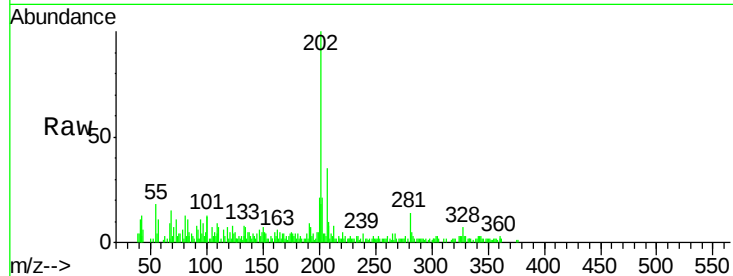
Instrument :

BNA_M

ClientSampleId :

D9WT8

Tgt Ion:	202	Resp:	31642
Ion Ratio	Lower	Upper	
202	100		
101	13.3	10.8	16.2
100	12.2	8.4	12.6



#80

Benzo(a)anthracene

Concen: 2.28 ng/ul

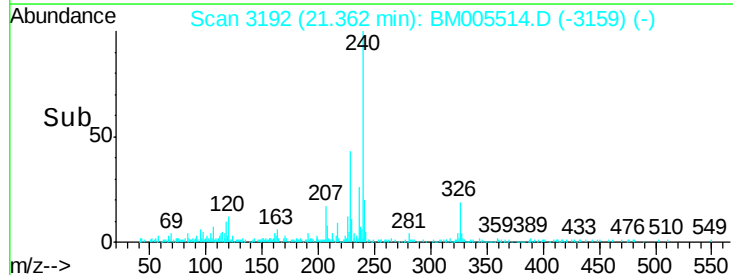
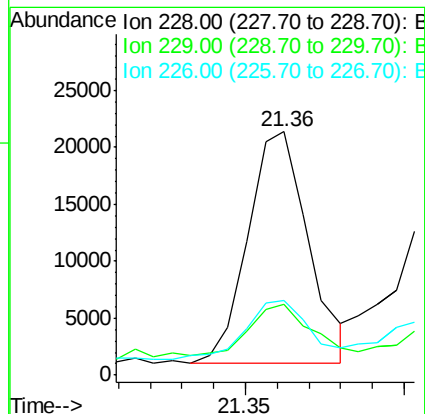
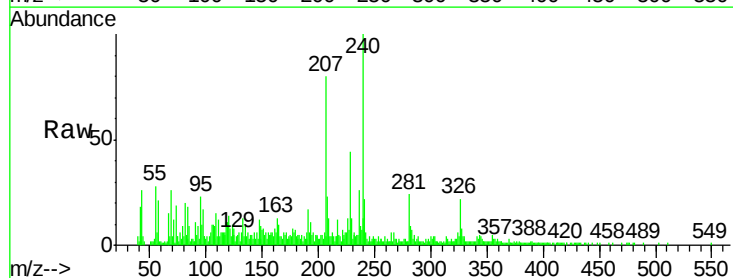
RT: 21.36 min Scan# 3192

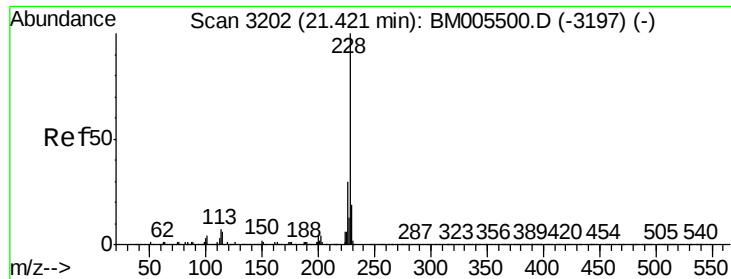
Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Tgt Ion:	228	Resp:	26798
Ion Ratio	Lower	Upper	
228	100		
229	29.3	15.5	23.3#
226	30.5	21.8	32.8





#82

Chrysene

Concen: 2.66 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Instrument :

BNA_M

ClientSampled :

D9WT8

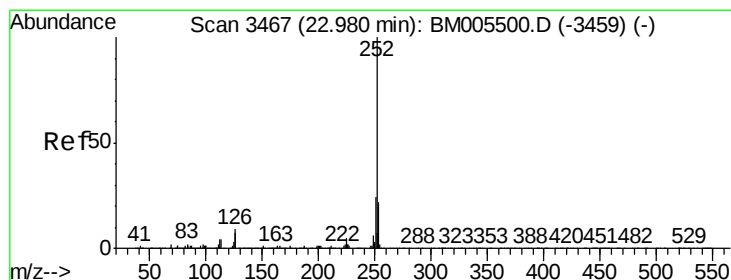
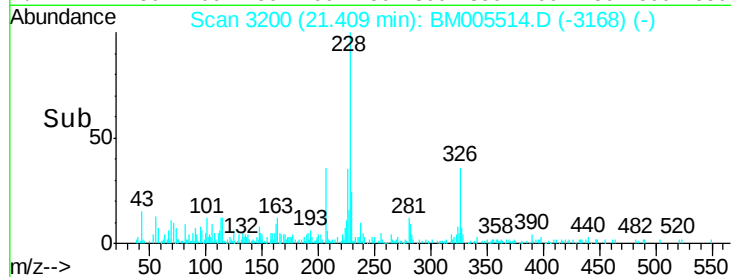
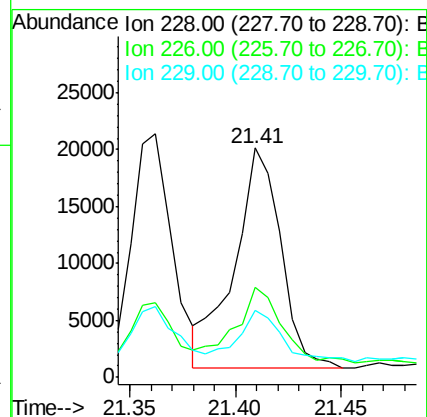
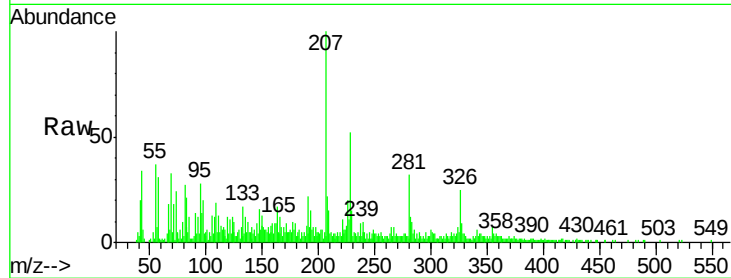
Tgt Ion:228 Resp: 29576

Ion Ratio Lower Upper

228 100

226 39.4 23.6 35.4#

229 29.4 15.4 23.0#



#85

Benzo(b)fluoranthene

Concen: 3.94 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

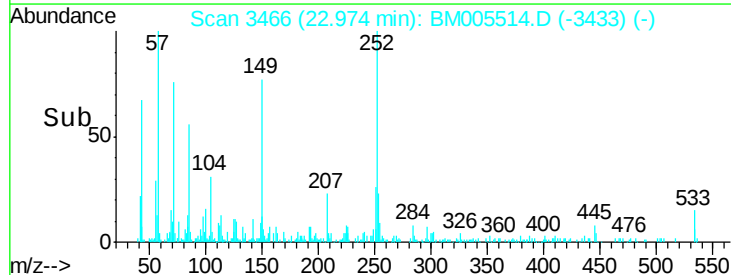
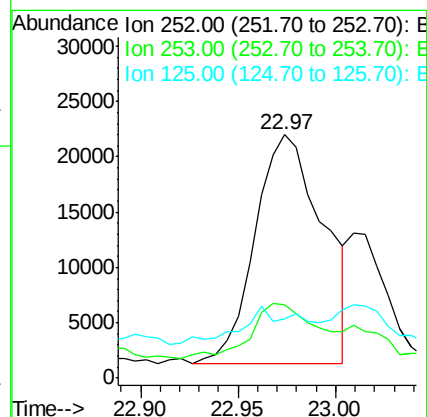
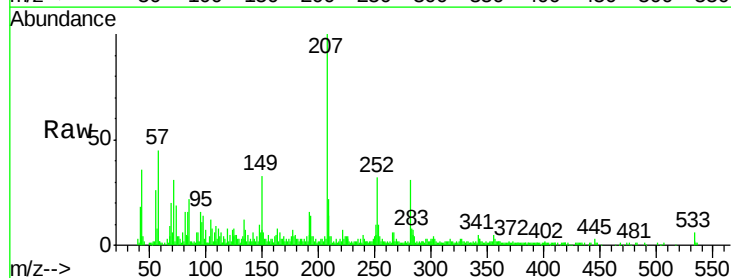
Tgt Ion:252 Resp: 50017

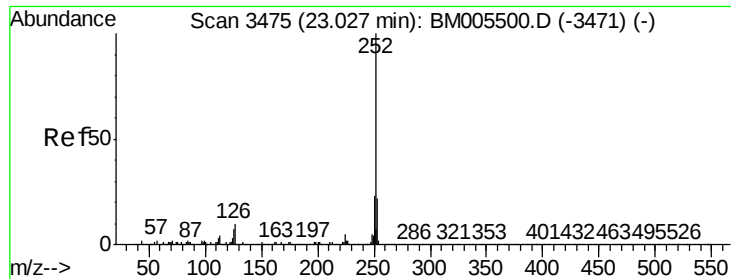
Ion Ratio Lower Upper

252 100

253 29.9 17.4 26.2#

125 24.5 8.4 12.6#





#86

Benzo(k)fluoranthene

Concen: 4.05 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. -0.05 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

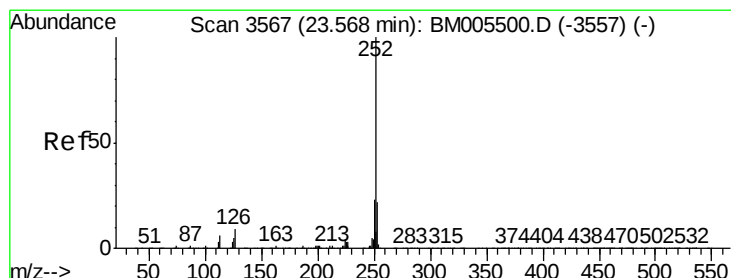
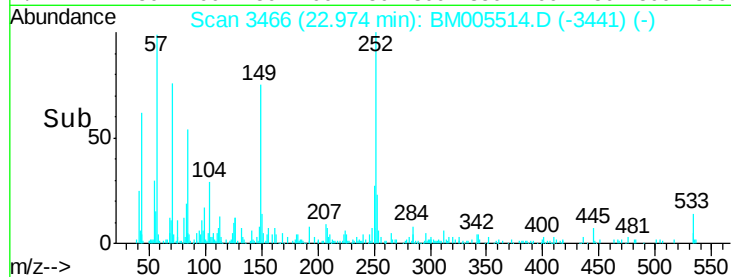
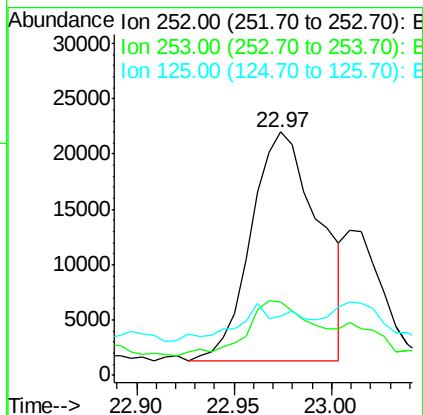
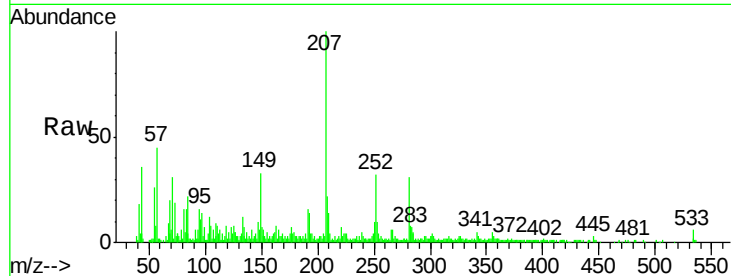
Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	252	Resp:	50017
Ion Ratio	Lower	Upper	
252	100		
253	29.9	17.3	25.9#
125	24.5	8.0	12.0#



#88

Benzo(a)pyrene

Concen: 2.18 ng/ul

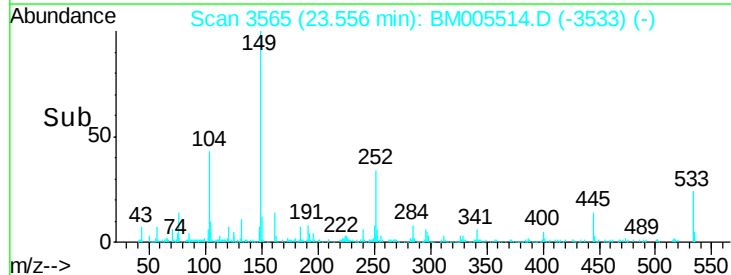
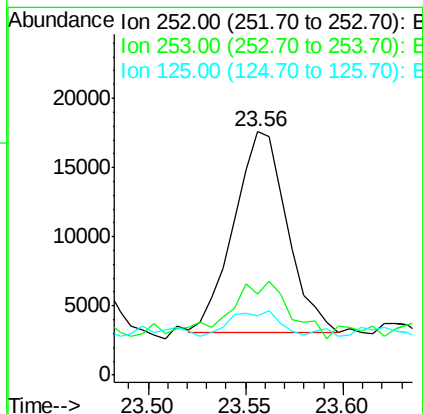
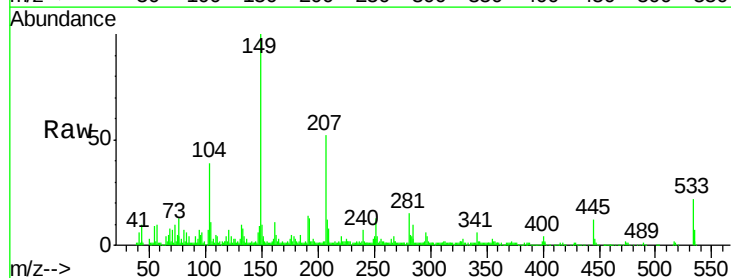
RT: 23.56 min Scan# 3565

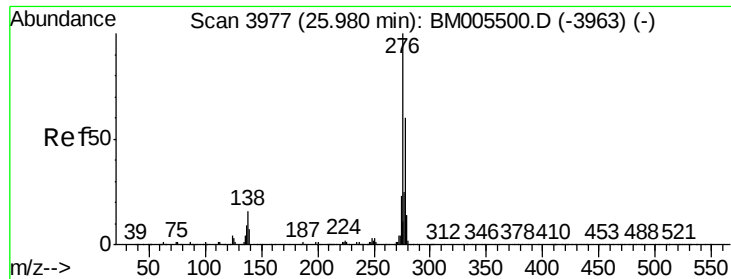
Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Tgt Ion:	252	Resp:	27540
Ion Ratio	Lower	Upper	
252	100		
253	33.4	17.5	26.3#
125	24.2	8.7	13.1#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.36 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. -0.02 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Instrument :

BNA_M

ClientSampleId :

D9WT8

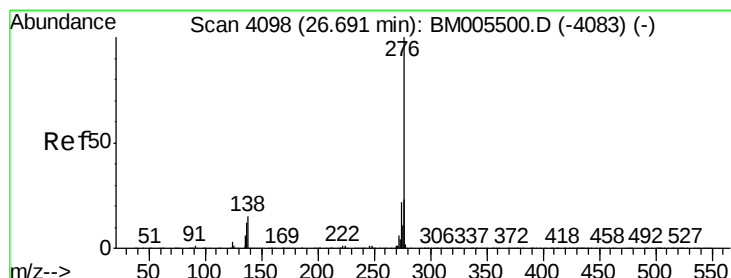
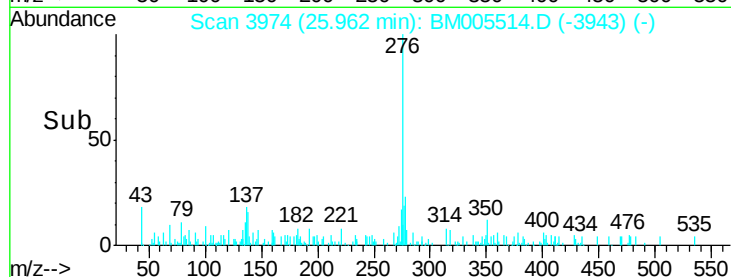
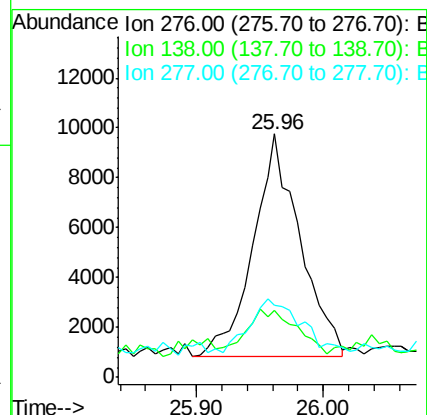
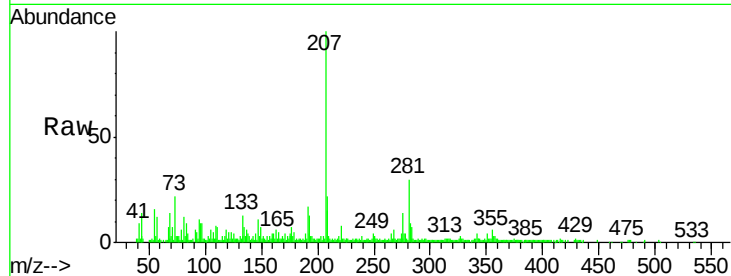
Tgt Ion:276 Resp: 22640

Ion Ratio Lower Upper

276 100

138 27.3 21.0 31.6

277 29.8 19.9 29.9



#91

Benzo(g,h,i)perylene

Concen: 1.27 ng/ul

RT: 26.68 min Scan# 4096

Delta R.T. -0.01 min

Lab File: BM005514.D

Acq: 20 May 2016 00:56

Tgt Ion:276 Resp: 18266

Ion Ratio Lower Upper

276 100

138 35.2 18.2 27.4#

277 32.0 19.4 29.2#

