

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051316\
 Data File : BM005438.D
 Acq On : 13 May 2016 18:55
 Operator : UM/SJ
 Sample : H2847-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD371

Quant Time: May 14 00:21:58 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 14 00:15:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	62584	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	292899	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	184481	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	445533	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	502701	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	394277	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	4684	3.52	ng/uL	0.00
5) Phenol-d5	6.93	99	105941	18.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	60542	18.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	83599	19.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	81136	17.29	ng/ul	0.00
19) Nitrobenzene-d5	8.91	128	40381	19.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	46949	19.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	90667	20.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	22851	4.31	ng/ul	0.01
43) Dimethylphthalate-d6	13.80	166	316742	21.42	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	371618	21.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	37769	13.99	ng/ul	0.00
57) Fluorene-d10	15.39	176	284702	22.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	37606	15.00	ng/ul	0.00
70) Anthracene-d10	17.24	188	439150	22.30	ng/ul	0.00
76) Pyrene-d10	19.54	212	530967	22.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	403928	23.14	ng/ul	0.00

Target Compounds

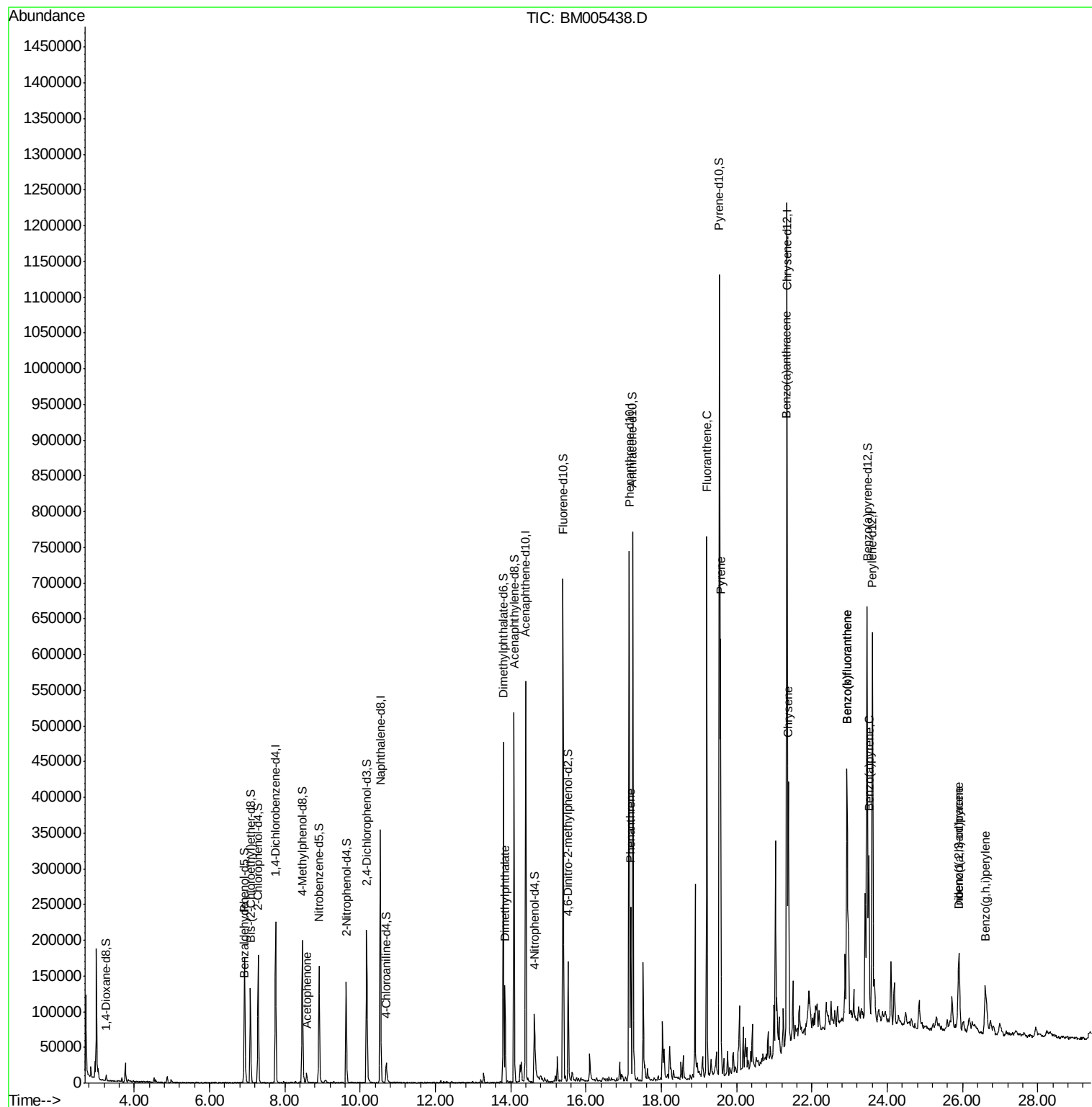
						Qvalue
4) Benzaldehyde	6.91	77	5512	2.00	ng/ul	94
14) Acetophenone	8.58	105	8089	1.16	ng/ul	97
44) Dimethylphthalate	13.85	163	87747	5.94	ng/ul	99
69) Phenanthrene	17.19	178	144828	6.18	ng/ul	100
74) Fluoranthene	19.20	202	460160	17.73	ng/ul	98
77) Pyrene	19.57	202	381198	13.07	ng/ul	99
80) Benzo(a)anthracene	21.32	228	192054	6.64	ng/ul	99
82) Chrysene	21.37	228	203164	7.41	ng/ul	98
85) Benzo(b)fluoranthene	22.93	252	268156	11.64	ng/ul	99
86) Benzo(k)fluoranthene	22.93	252	268156	12.36	ng/ul	98
88) Benzo(a)pyrene	23.51	252	160057	7.34	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.90	276	102645	4.32	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.91	278	24256	1.22	ng/ul	98
91) Benzo(g,h,i)perylene	26.61	276	84271	4.18	ng/ul	97

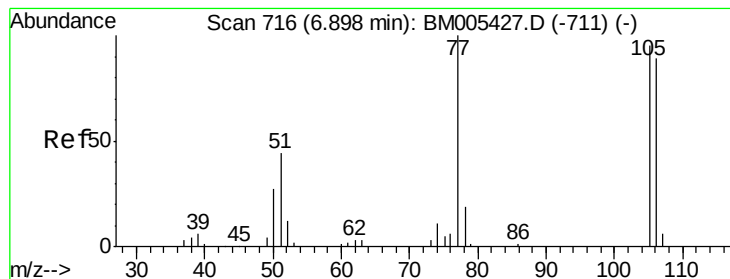
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 2.00 ng/ul

RT: 6.91 min Scan# 718

Delta R.T. 0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

Instrument :

BNA_M

ClientSampleId :

BD371

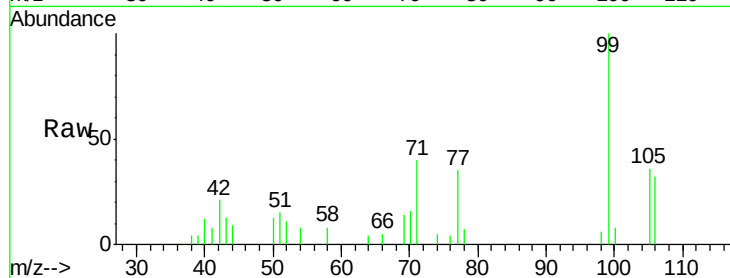
Tgt Ion: 77 Resp: 5512

Ion Ratio Lower Upper

77 100

105 102.9 77.6 116.4

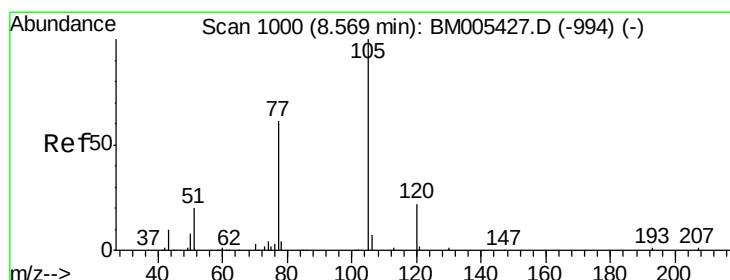
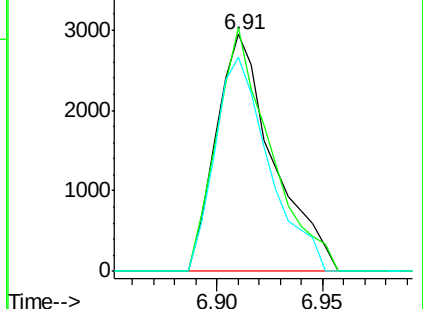
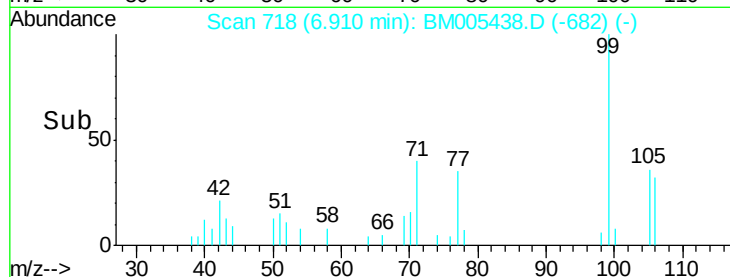
106 90.5 77.9 116.9



Abundance Ion 77.00 (76.70 to 77.70): BM005427.D (-711) (-)

Ion 105.00 (104.70 to 105.70): BM005427.D (-711) (-)

Ion 106.00 (105.70 to 106.70): BM005427.D (-711) (-)



#14

Acetophenone

Concen: 1.16 ng/ul

RT: 8.58 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

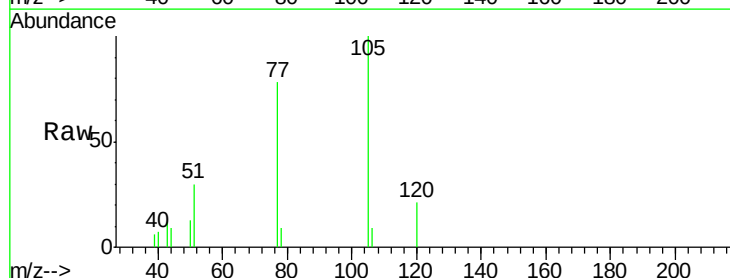
Tgt Ion: 105 Resp: 8089

Ion Ratio Lower Upper

105 100

77 77.6 61.2 91.8

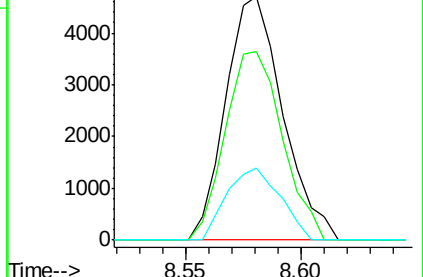
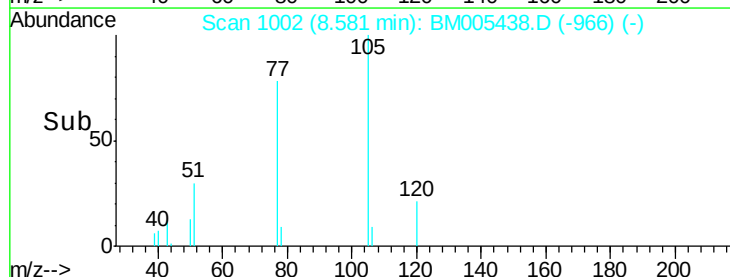
51 29.8 21.2 31.8

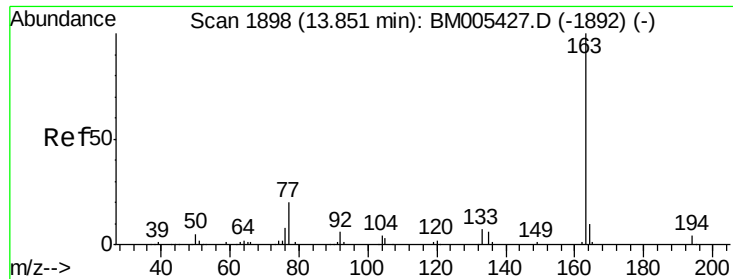


Abundance Ion 105.00 (104.70 to 105.70): BM005427.D (-994) (-)

Ion 77.00 (76.70 to 77.70): BM005427.D (-994) (-)

Ion 51.00 (50.70 to 51.70): BM005427.D (-994) (-)

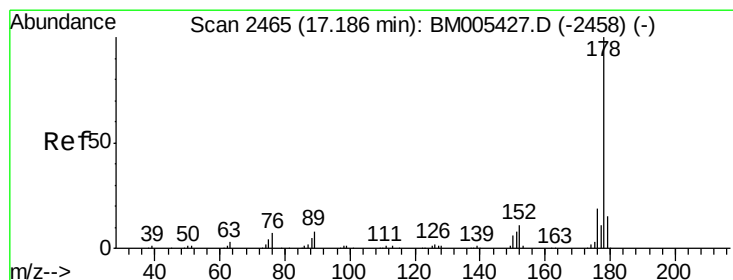
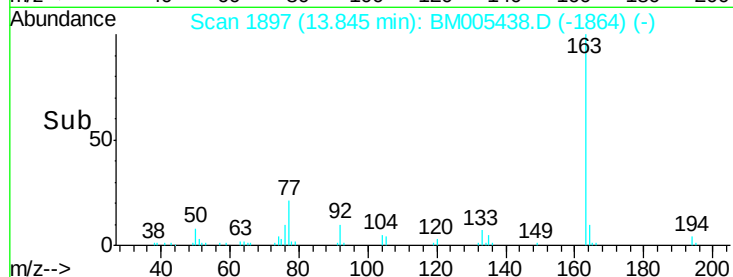
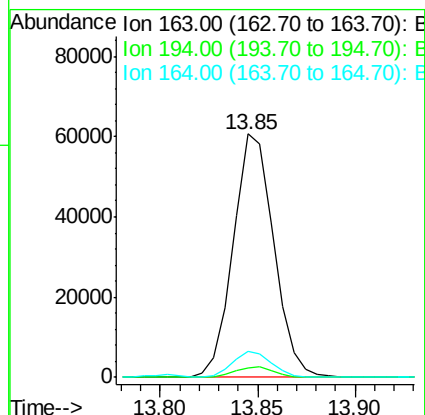
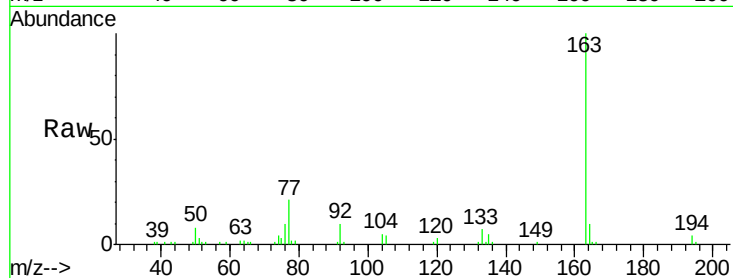




#44
Dimethylphthalate
Concen: 5.94 ng/ul
RT: 13.85 min Scan# 1897
Delta R.T. -0.01 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

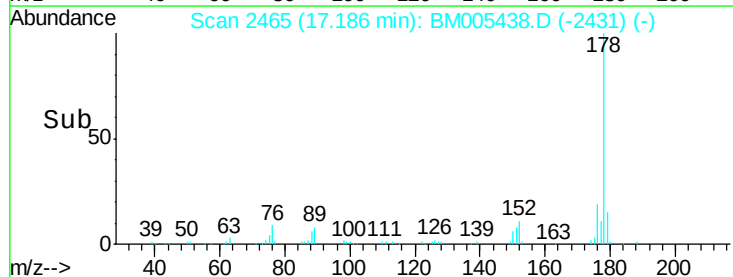
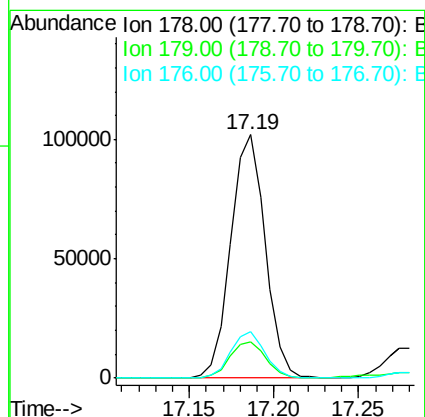
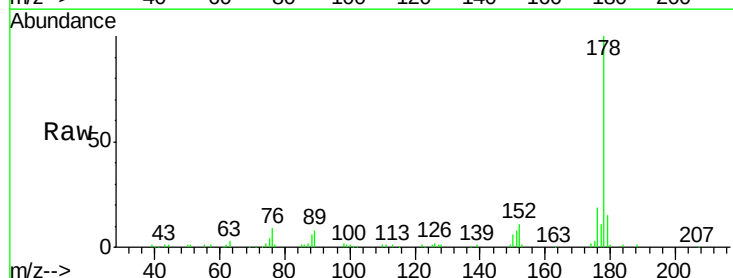
Instrument :
BNA_M
ClientSampleId :
BD371

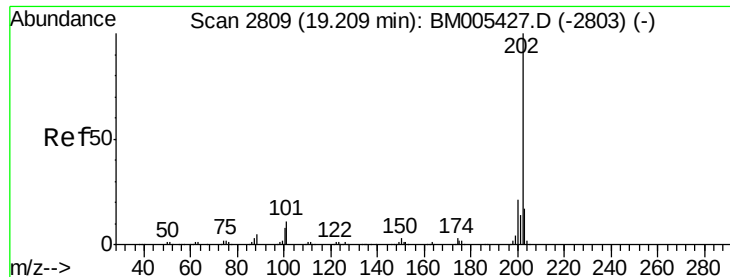
Tgt Ion:163 Resp: 87747
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.4 7.9 11.9



#69
Phenanthrene
Concen: 6.18 ng/ul
RT: 17.19 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion:178 Resp: 144828
Ion Ratio Lower Upper
178 100
179 15.1 12.3 18.5
176 19.0 15.2 22.8





#74

Fluoranthene

Concen: 17.73 ng/ul

RT: 19.20 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

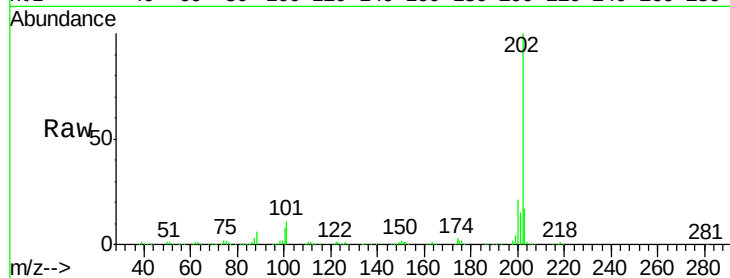
Instrument :

BNA_M

ClientSampleId :

BD371

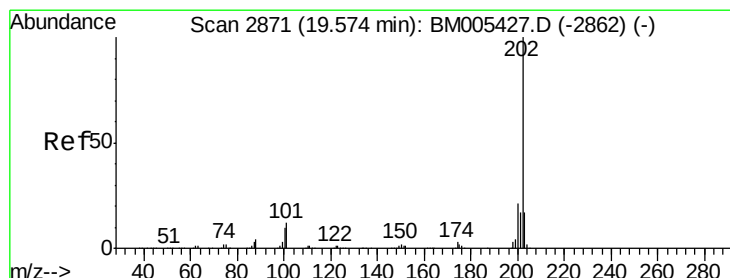
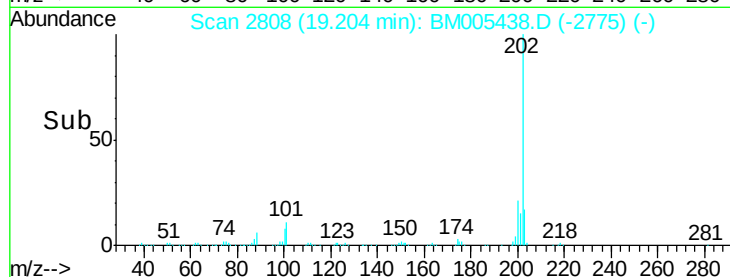
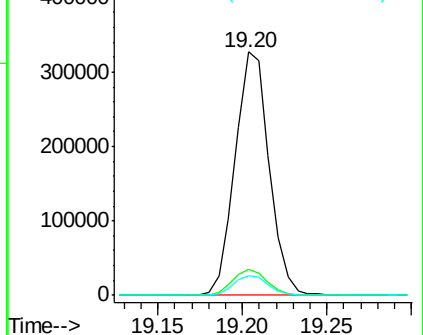
Tgt Ion:	202	Resp:	460160
Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.2	13.8
100	8.3	7.1	10.7



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: 13.07 ng/ul

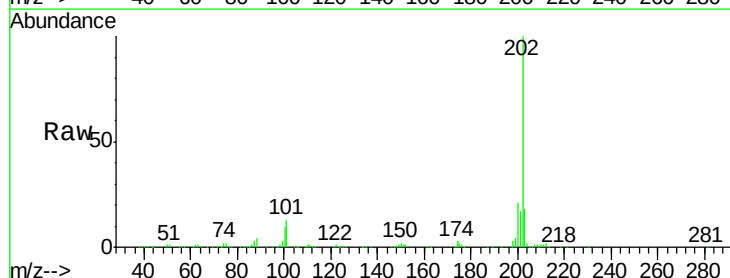
RT: 19.57 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

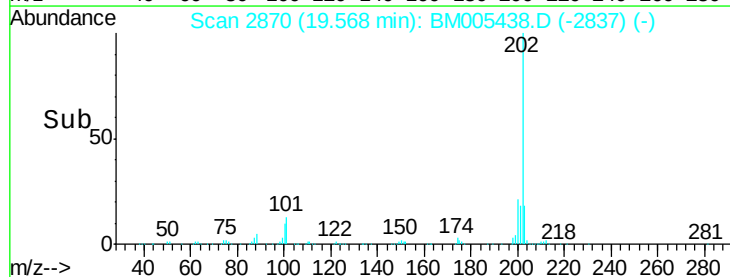
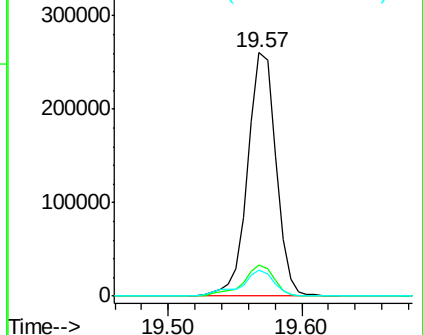
Tgt Ion:	202	Resp:	381198
Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.8	16.2
100	10.5	8.4	12.6

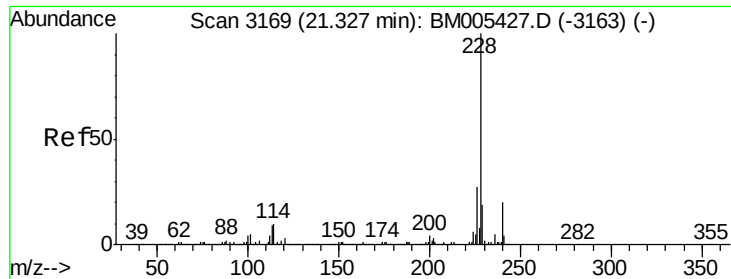


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.64 ng/ul

RT: 21.32 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

Instrument :

BNA_M

ClientSampleId :

BD371

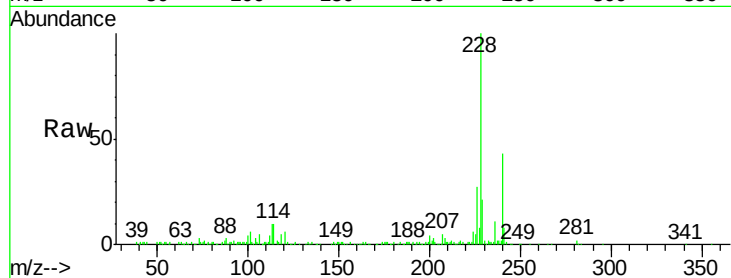
Tgt Ion:228 Resp: 192054

Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

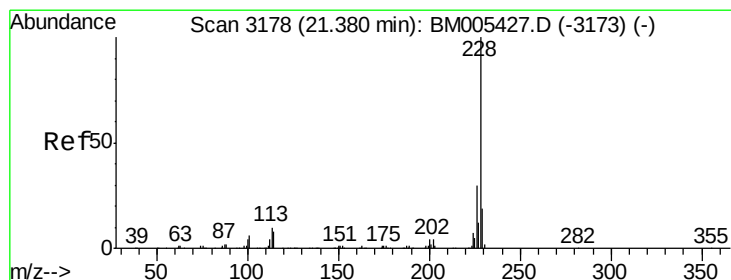
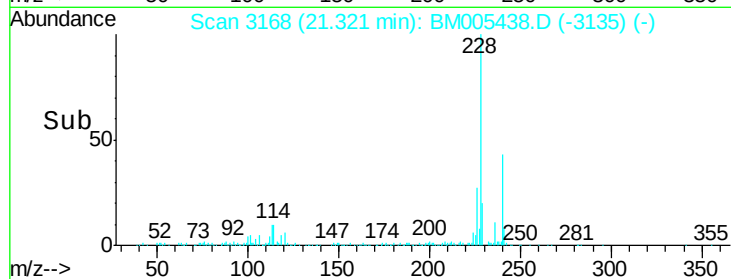
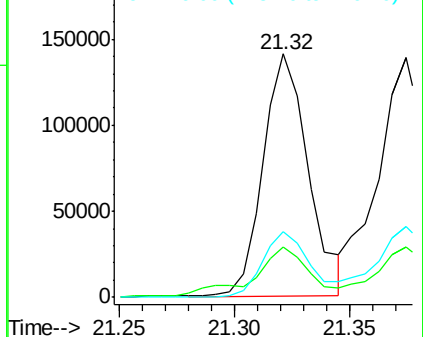
226 27.0 21.8 32.8



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: 7.41 ng/ul

RT: 21.37 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

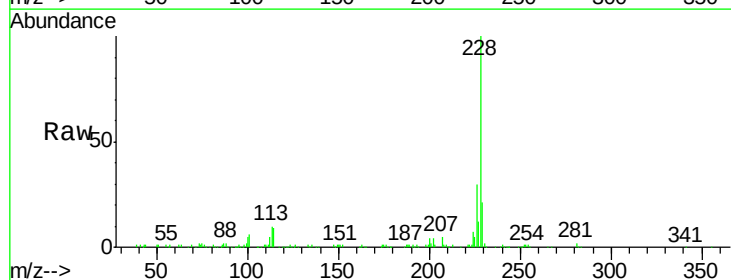
Tgt Ion:228 Resp: 203164

Ion Ratio Lower Upper

228 100

226 29.7 23.6 35.4

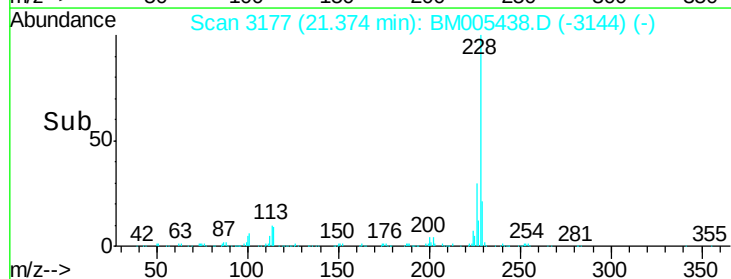
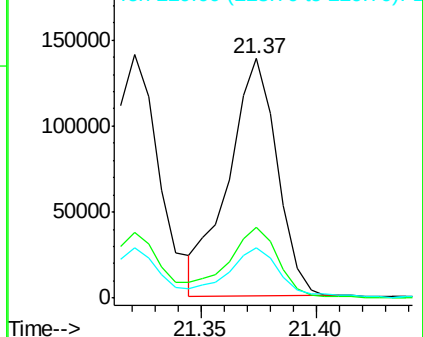
229 21.0 15.4 23.0

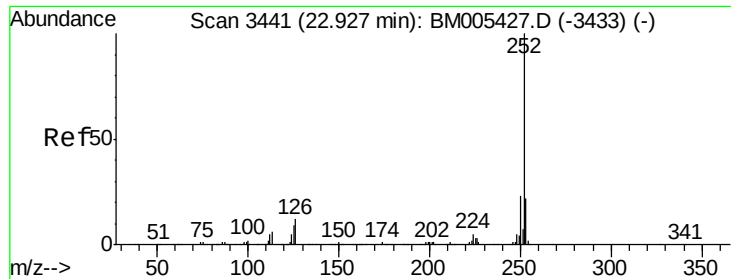


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

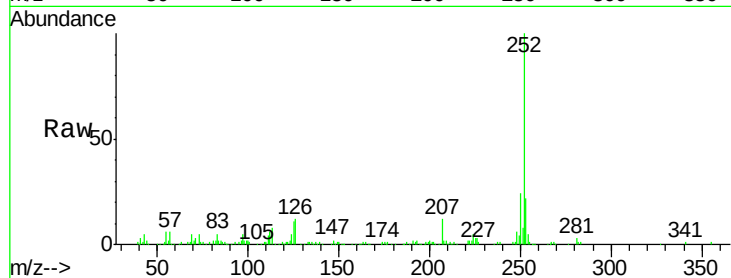




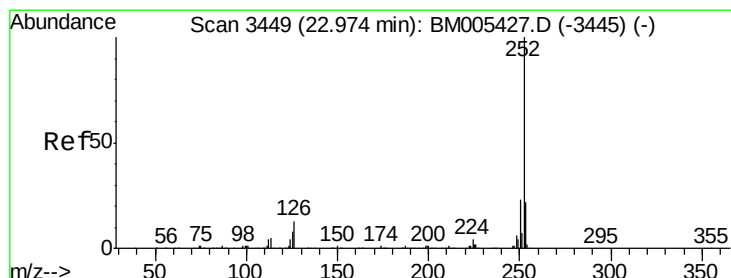
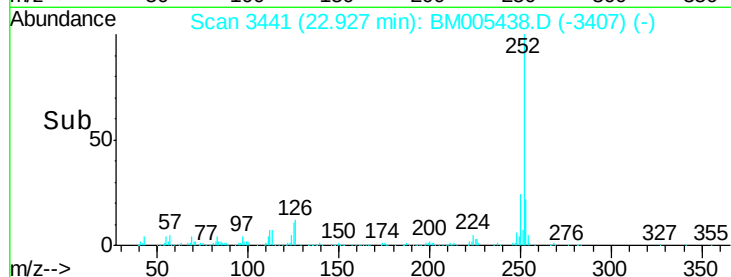
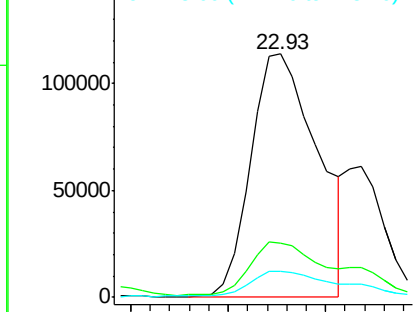
#85
Benzo(b)fluoranthene
Concen: 11.64 ng/ul
RT: 22.93 min Scan# 3441
Delta R.T. 0.00 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.9	8.4	12.6

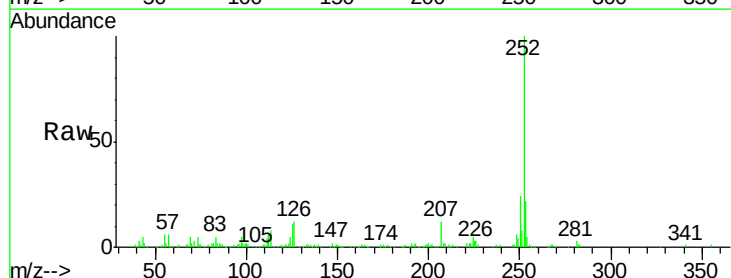


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

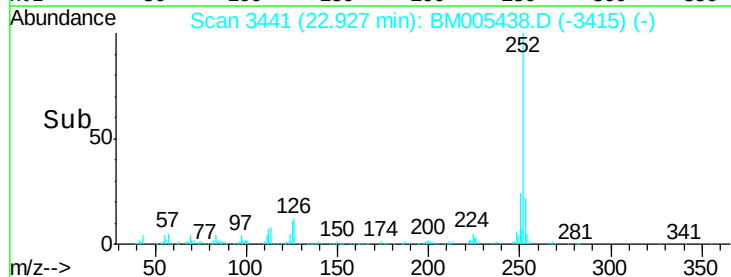
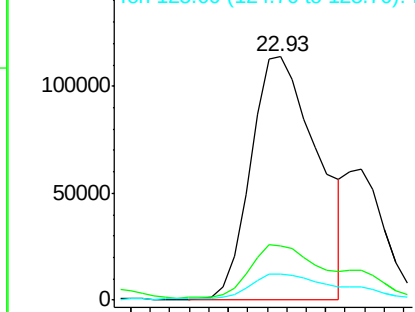


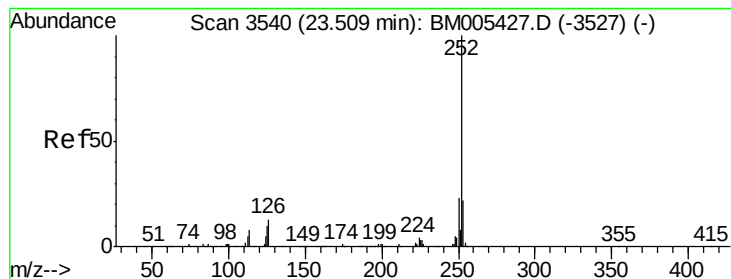
#86
Benzo(k)fluoranthene
Concen: 12.36 ng/ul
RT: 22.93 min Scan# 3441
Delta R.T. -0.05 min
Lab File: BM005438.D
Acq: 13 May 2016 18:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	10.9	8.0	12.0



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





#88

Benzo(a)pyrene

Concen: 7.34 ng/ul

RT: 23.51 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

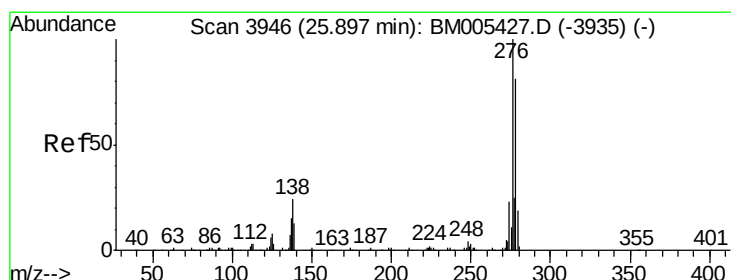
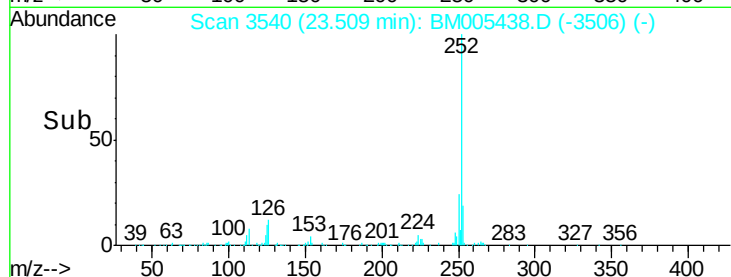
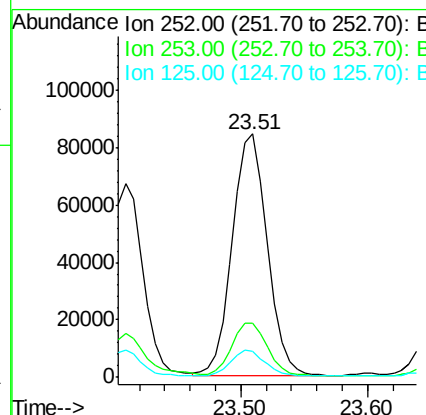
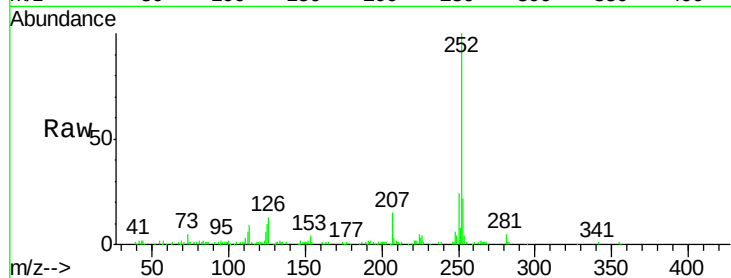
Instrument :

BNA_M

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Tgt Ion:	252	Resp:	160057
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.4	8.7	13.1



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.32 ng/ul

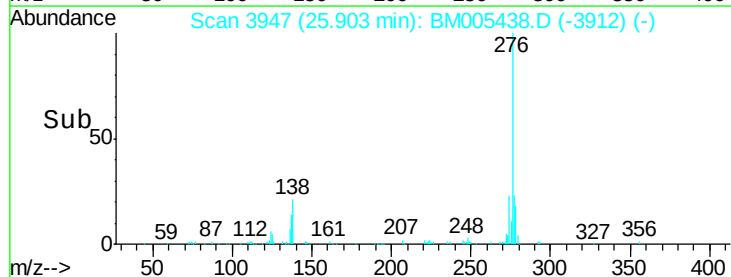
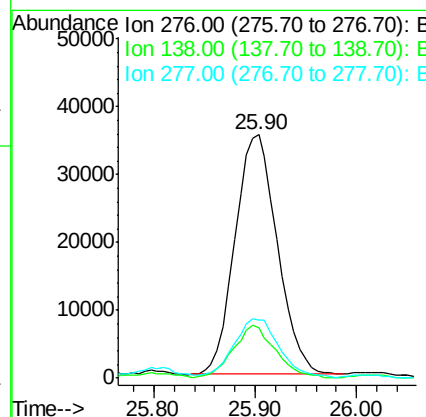
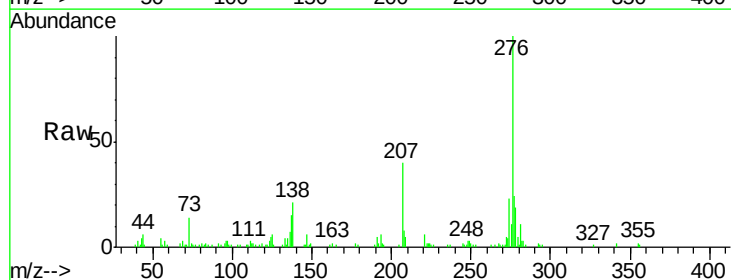
RT: 25.90 min Scan# 3947

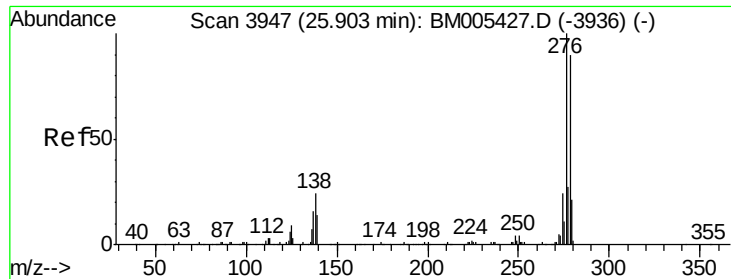
Delta R.T. 0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

Tgt Ion:	276	Resp:	102645
Ion	Ratio	Lower	Upper
276	100		
138	20.9	21.0	31.6#
277	23.7	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 1.22 ng/ul

RT: 25.91 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

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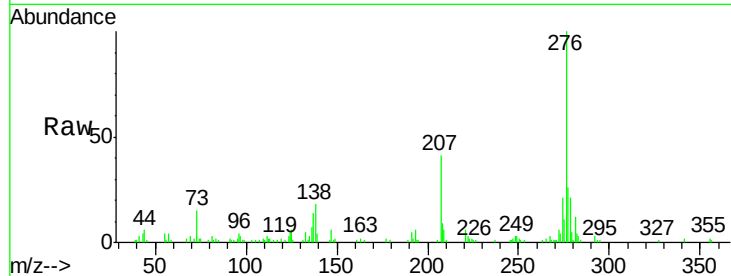
Tgt Ion:278 Resp: 24256

Ion Ratio Lower Upper

278 100

139 18.2 13.8 20.6

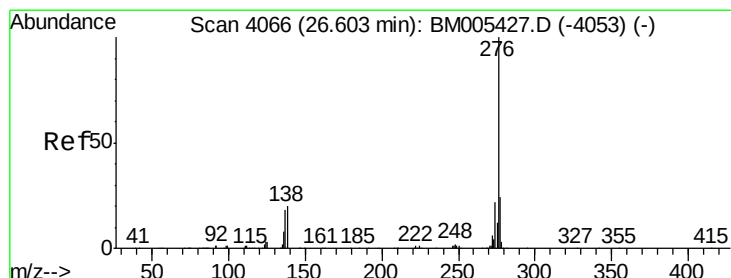
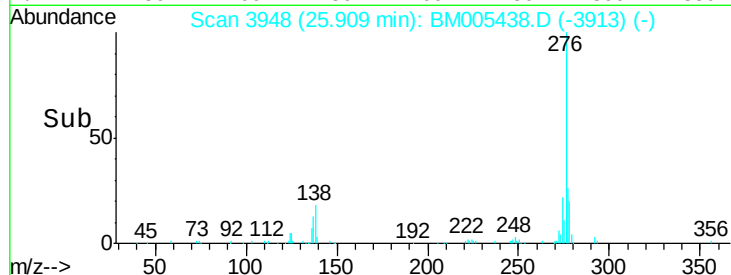
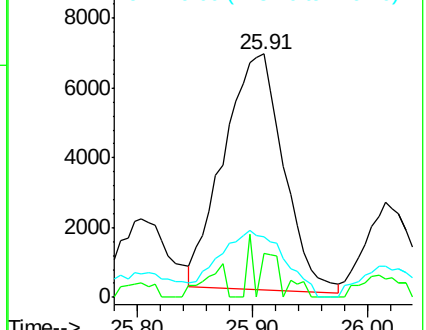
279 24.8 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.18 ng/ul

RT: 26.61 min Scan# 4067

Delta R.T. 0.01 min

Lab File: BM005438.D

Acq: 13 May 2016 18:55

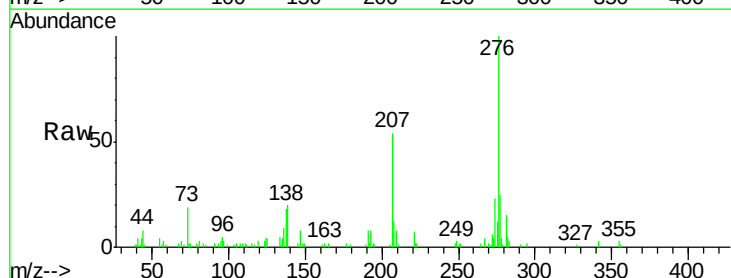
Tgt Ion:276 Resp: 84271

Ion Ratio Lower Upper

276 100

138 20.1 18.2 27.4

277 24.8 19.4 29.2



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

