

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121816\
 Data File : BM008435.D
 Acq On : 18 Dec 2016 13:22
 Operator : UM/SJ
 Sample : H6067-05DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7F6DL

Quant Time: Dec 19 01:25:16 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 19 01:22:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	142720	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	547029	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	362738	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	731879	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	961485	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1015371	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	4832	1.59	ng/uL	0.00
5) Phenol-d5	6.86	99	79378	7.17	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.01	67	57416	9.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	73631	8.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	57752	6.73	ng/ul	0.02
19) Nitrobenzene-d5	8.83	128	35849	9.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	39031	8.91	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.11	165	67515	8.41	ng/ul	0.04
29) 4-Chloroaniline-d4	10.63	131	29636	3.22	ng/ul	0.05
43) Dimethylphthalate-d6	13.72	166	250442	10.39	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	298997	10.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	2493	0.70	ng/ul	0.08
57) Fluorene-d10	15.30	176	218887	10.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	20790	4.77	ng/ul	0.02
70) Anthracene-d10	17.15	188	339585	10.65	ng/ul	0.00
76) Pyrene-d10	19.46	212	420736	11.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	458384	10.75	ng/ul	0.00

Target Compounds

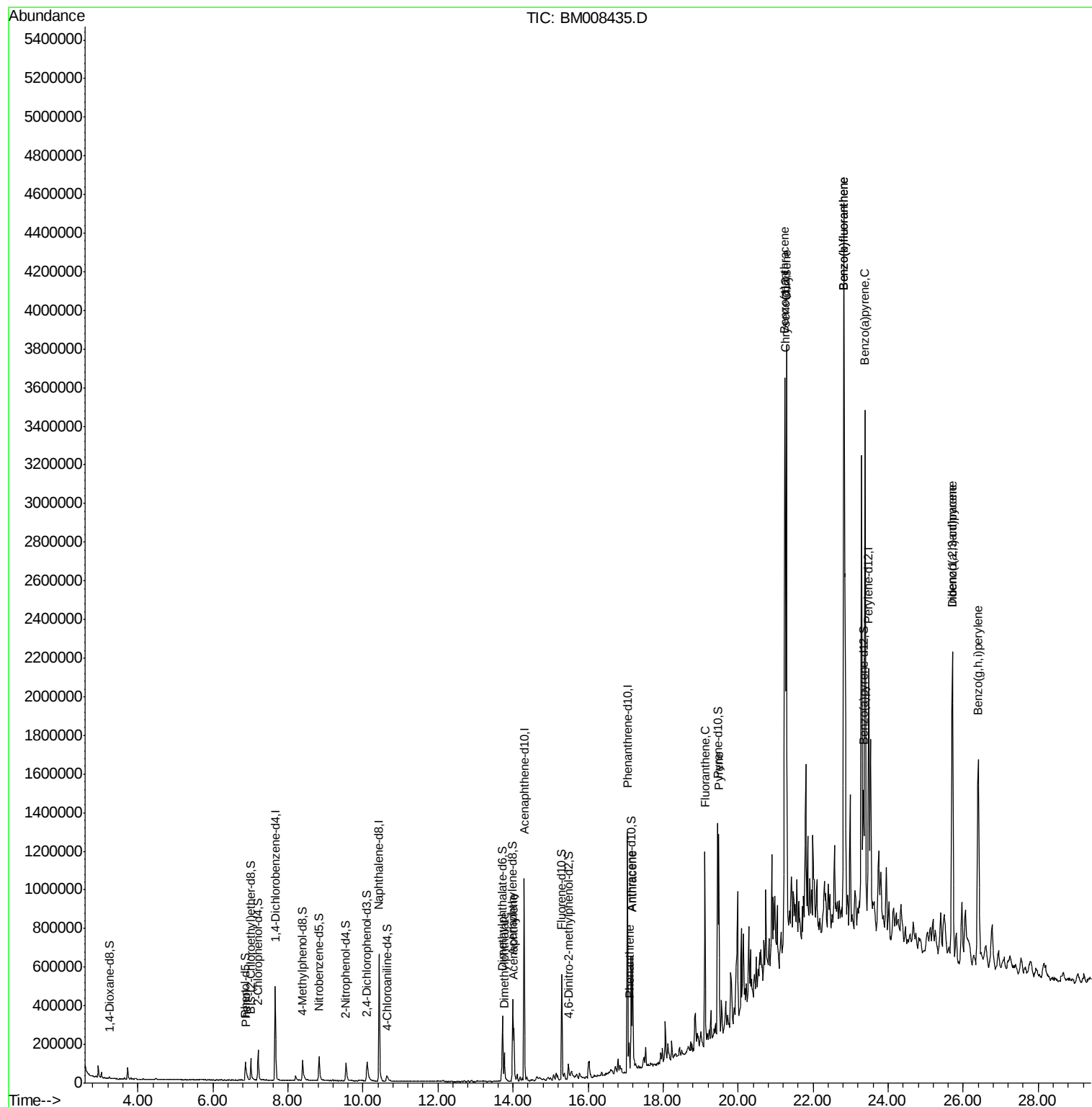
						Qvalue
6) Phenol	6.90	94	17480	1.52	ng/ul	100
44) Dimethylphthalate	13.77	163	84326	3.57	ng/ul	99
47) Acenaphthylene	14.02	152	225511	7.78	ng/ul	99
69) Phenanthrene	17.10	178	83141	2.22	ng/ul	96
71) Anthracene	17.19	178	389358	10.23	ng/ul	98
74) Fluoranthene	19.12	202	578125	12.55	ng/ul	98
77) Pyrene	19.49	202	649720	13.76	ng/ul	99
80) Benzo(a)anthracene	21.24	228	1296008	26.08	ng/ul	96
82) Chrysene	21.29	228	1898988	39.73	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	3181870	58.06	ng/ul	98
86) Benzo(k)fluoranthene	22.82	252	3181870	60.67	ng/ul	100
88) Benzo(a)pyrene	23.39	252	1990852	37.70	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.72	276	1490219	23.24	ng/ul	97
90) Dibenzo(a,h)anthracene	25.71	278	481802	8.95	ng/ul#	84
91) Benzo(g,h,i)perylene	26.40	276	1340017	24.99	ng/ul	99

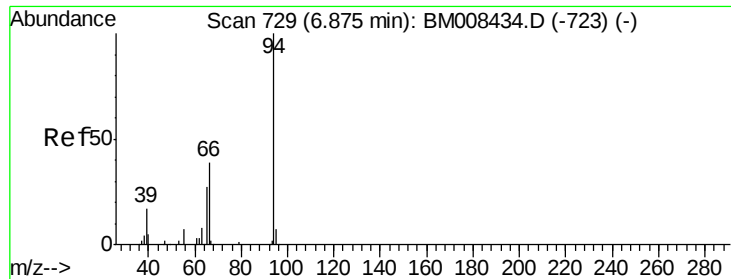
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 19 01:22:39 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.52 ng/ul

RT: 6.90 min Scan# 733

Delta R.T. 0.02 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

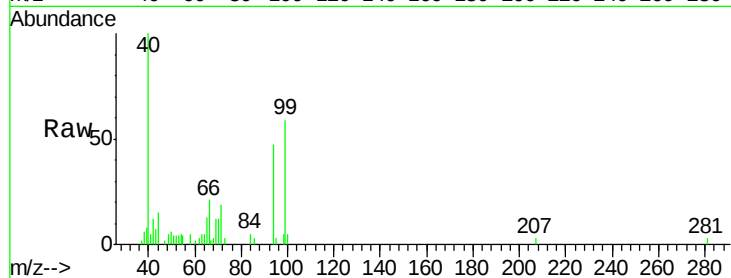
Tgt Ion: 94 Resp: 17480

Ion Ratio Lower Upper

94 100

65 28.0 22.6 34.0

66 45.1 35.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BM008434.D (-723) (-)

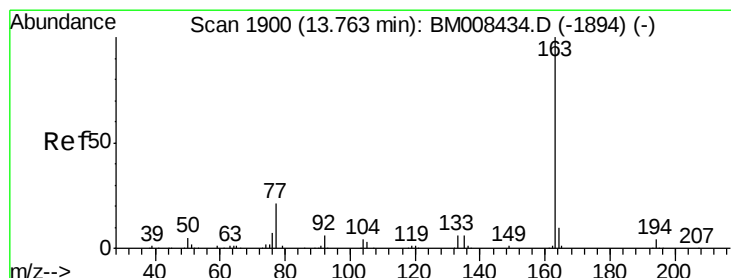
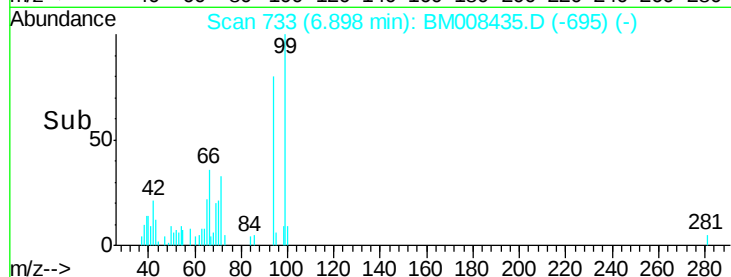
Ion 65.00 (64.70 to 65.70): BM008434.D (-723) (-)

Ion 66.00 (65.70 to 66.70): BM008434.D (-723) (-)

6.90

6.85 6.90 6.95 7.00

Time-->



#44

Dimethylphthalate

Concen: 3.57 ng/ul

RT: 13.77 min Scan# 1901

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

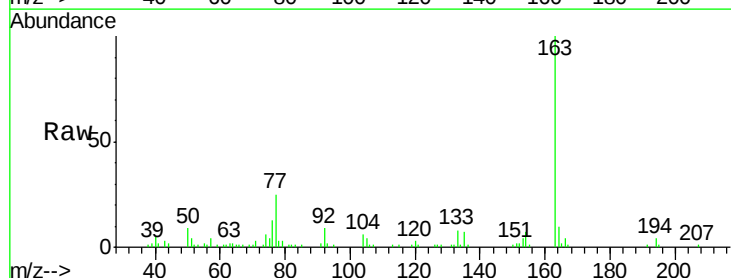
Tgt Ion: 163 Resp: 84326

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 9.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): BM008434.D (-1894) (-)

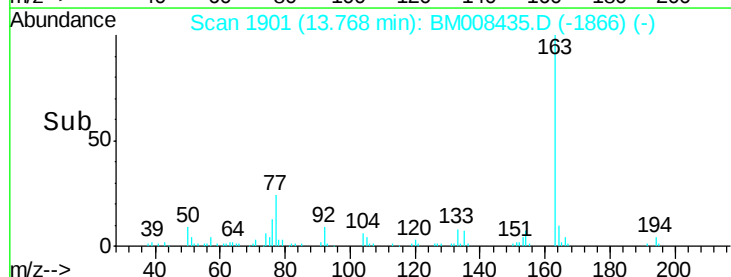
Ion 194.00 (193.70 to 194.70): BM008434.D (-1894) (-)

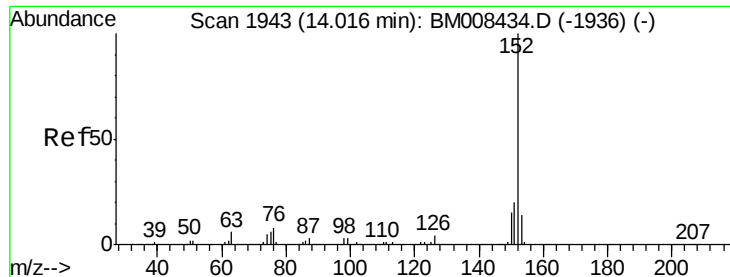
Ion 164.00 (163.70 to 164.70): BM008434.D (-1894) (-)

13.77

13.70 13.75 13.80 13.85

Time-->

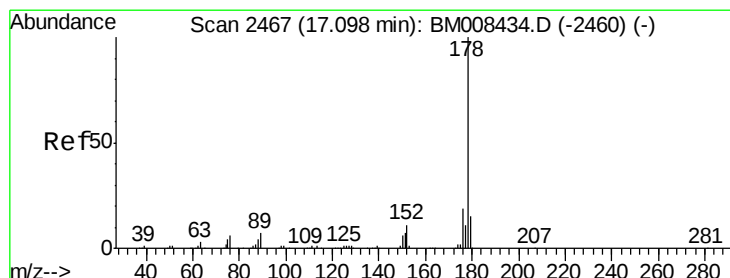
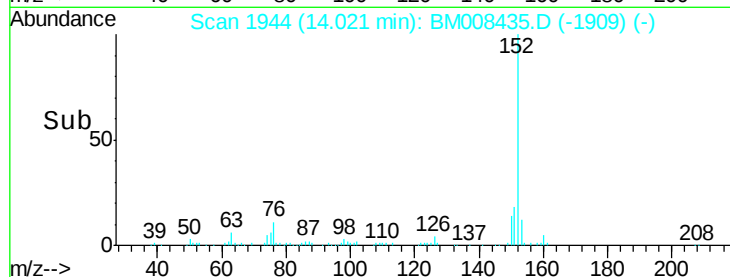
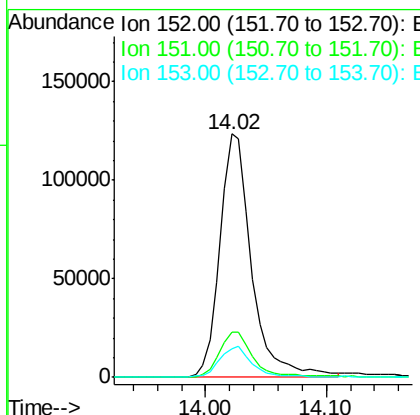
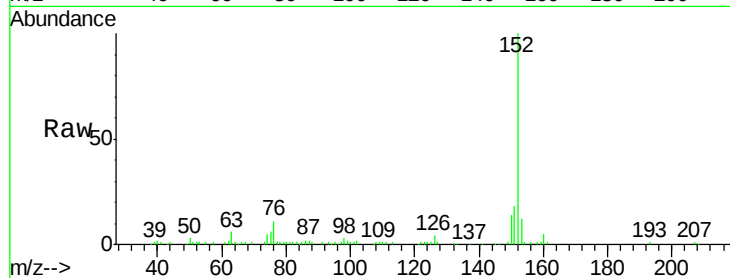




#47
Acenaphthylene
Concen: 7.78 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.01 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

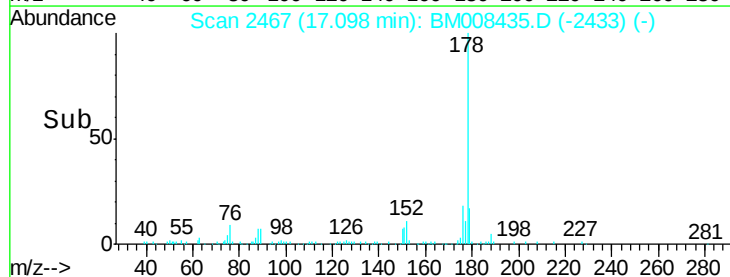
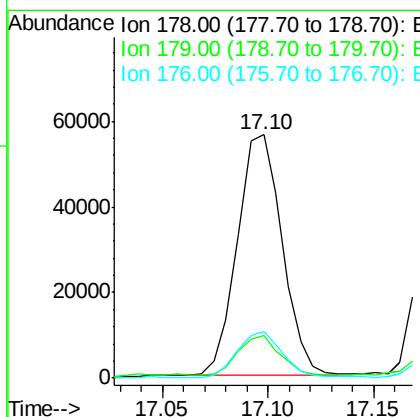
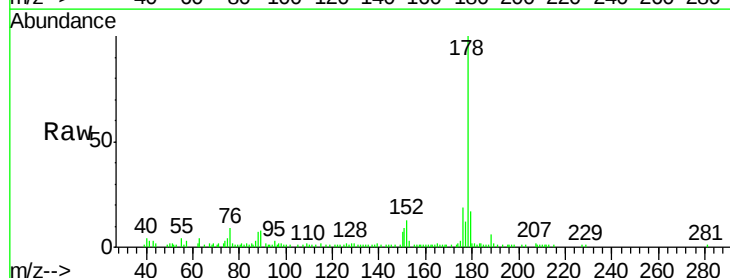
Instrument :
BNA_M
ClientSampleId :
DA7F6DL

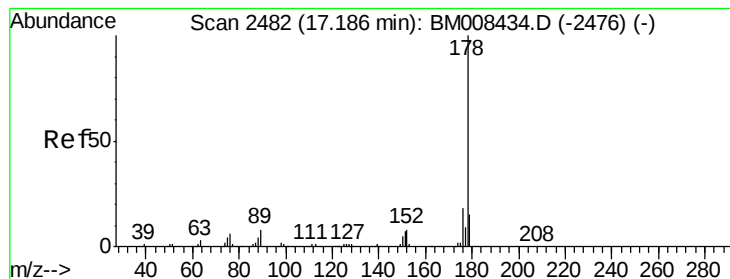
Tgt Ion:152 Resp: 22511
Ion Ratio Lower Upper
152 100
151 18.3 15.3 22.9
153 12.0 9.9 14.9



#69
Phenanthrene
Concen: 2.22 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Tgt Ion:178 Resp: 83141
Ion Ratio Lower Upper
178 100
179 17.5 12.0 18.0
176 19.1 14.6 21.8





#71

Anthracene

Concen: 10.23 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

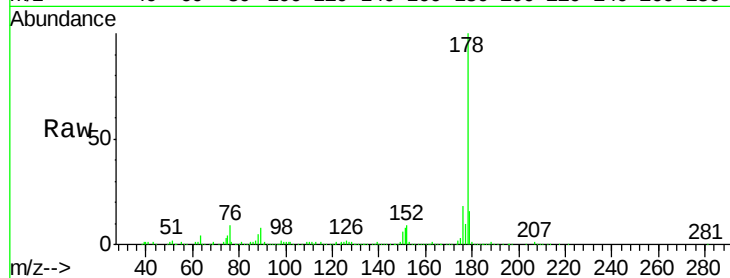
Tgt Ion:178 Resp: 389358

Ion Ratio Lower Upper

178 100

179 16.2 12.1 18.1

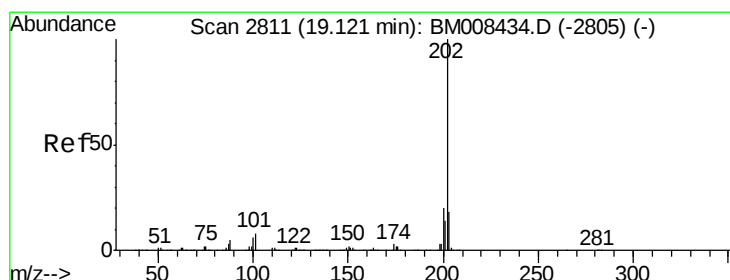
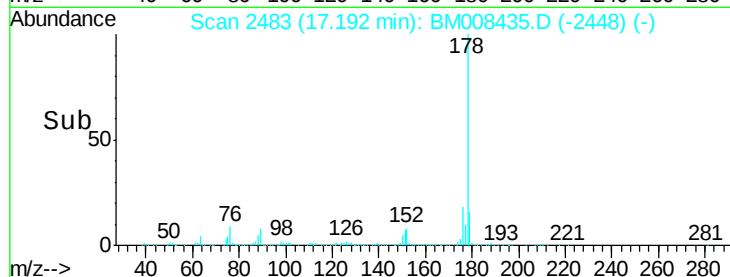
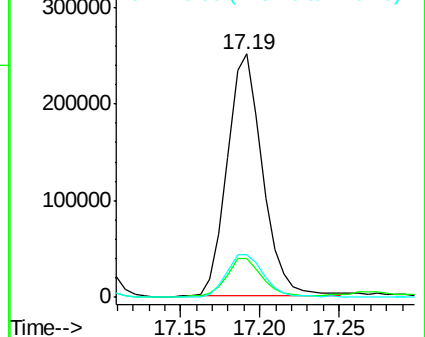
176 17.7 14.3 21.5



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: 12.55 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

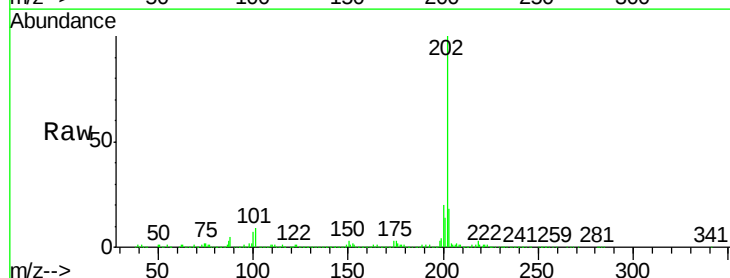
Tgt Ion:202 Resp: 578125

Ion Ratio Lower Upper

202 100

101 9.1 6.6 10.0

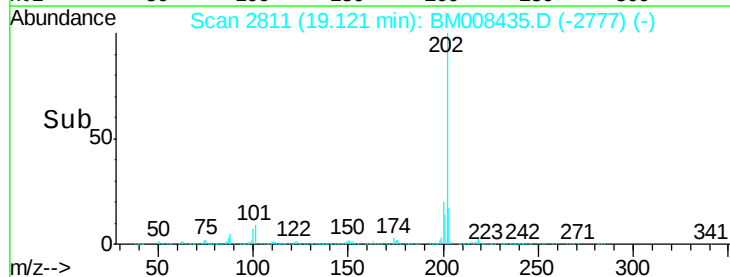
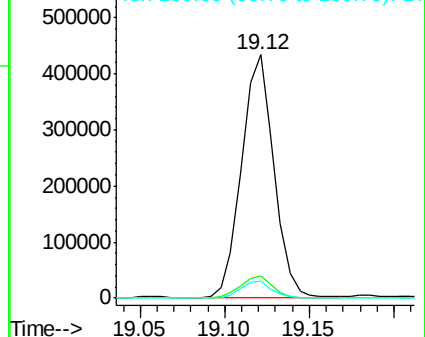
100 6.8 5.3 7.9

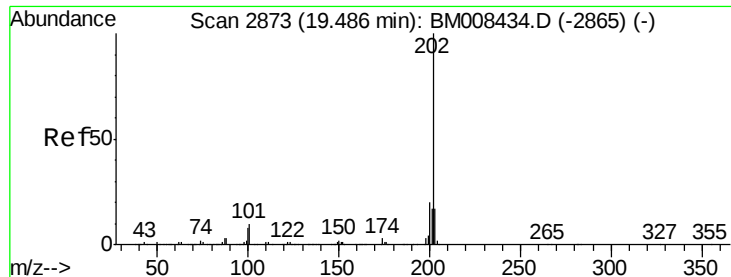


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 13.76 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

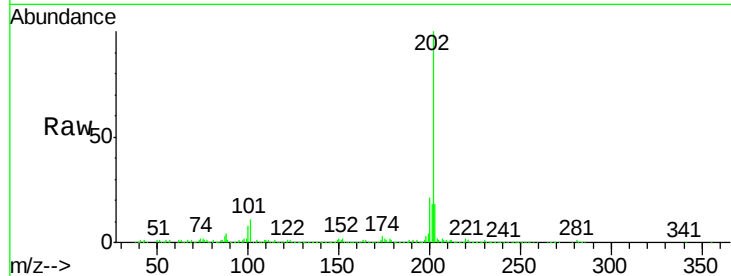
Tgt Ion:202 Resp: 649720

Ion Ratio Lower Upper

202 100

101 10.6 8.2 12.4

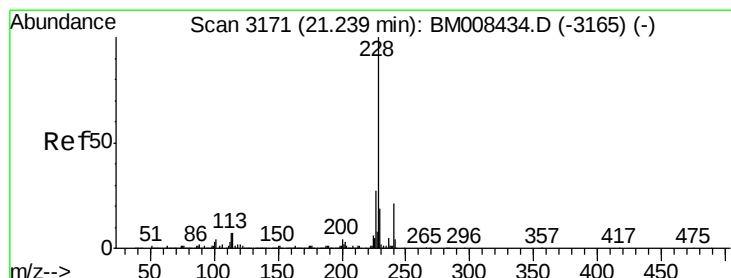
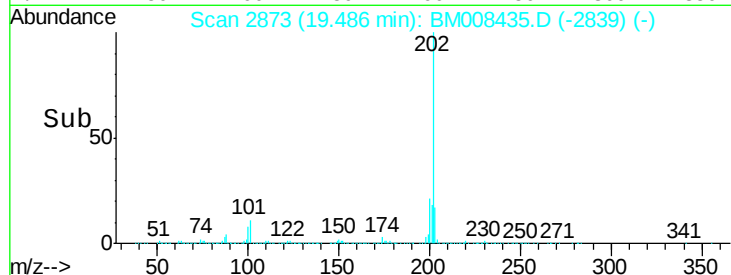
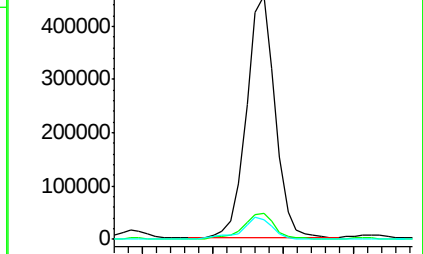
100 8.2 7.0 10.6



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): E



#80

Benzo(a)anthracene

Concen: 26.08 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

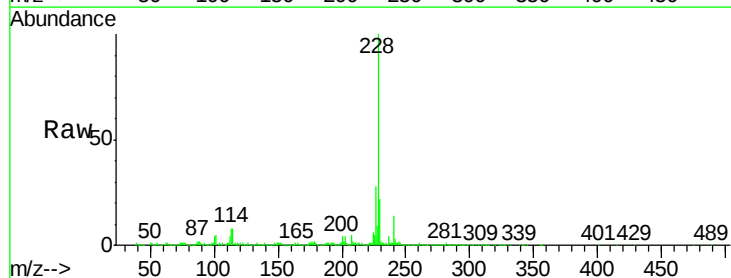
Tgt Ion:228 Resp: 1296008

Ion Ratio Lower Upper

228 100

229 21.6 15.4 23.2

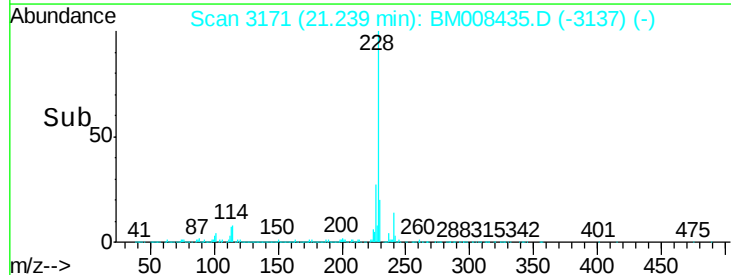
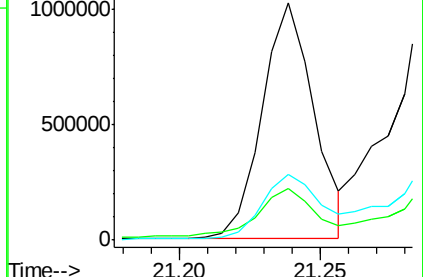
226 27.9 21.2 31.8

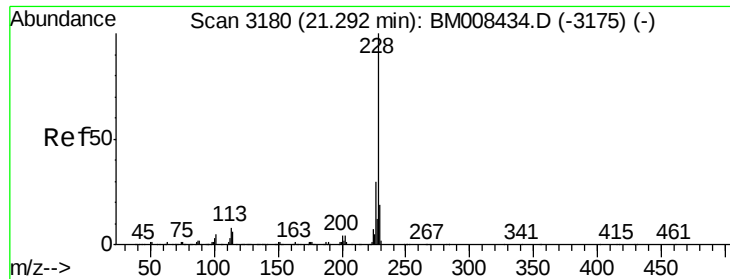


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 39.73 ng/u1

RT: 21.29 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

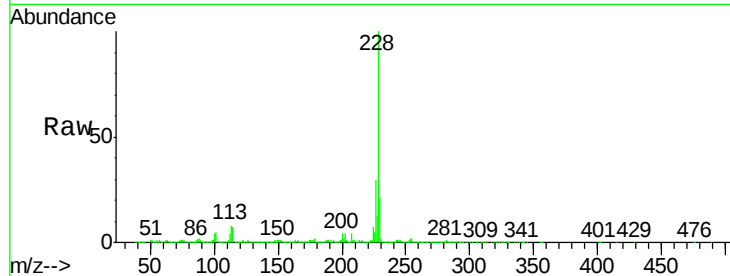
Tgt Ion:228 Resp: 1898988

Ion Ratio Lower Upper

228 100

226 30.4 23.1 34.7

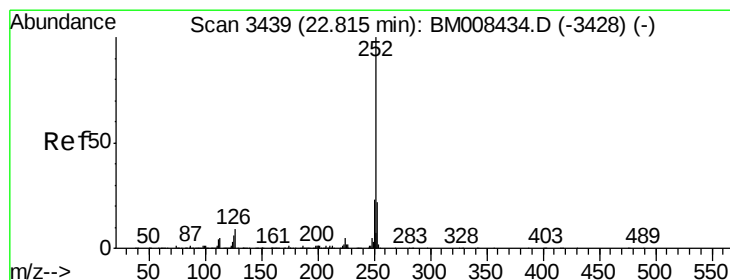
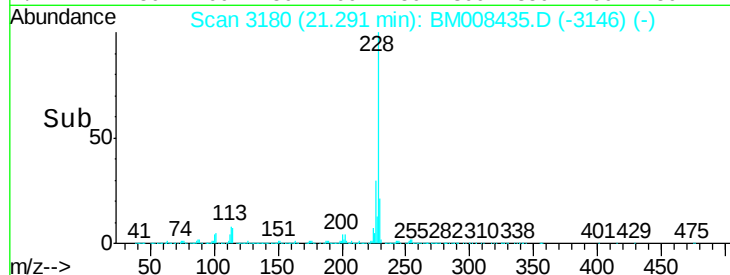
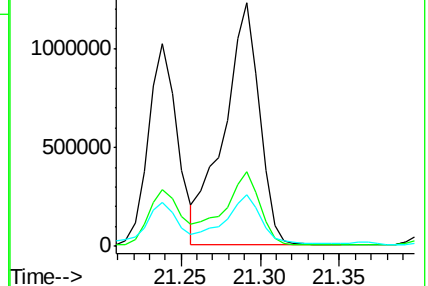
229 21.1 15.4 23.2



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: 58.06 ng/u1

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

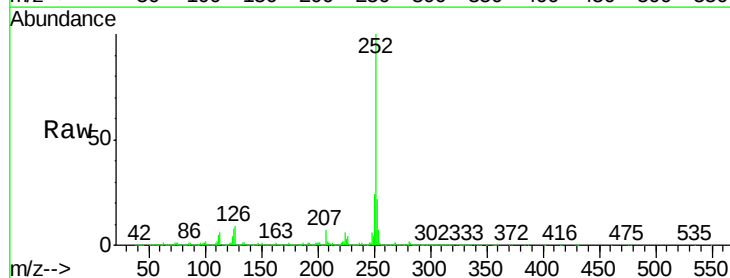
Tgt Ion:252 Resp: 3181870

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

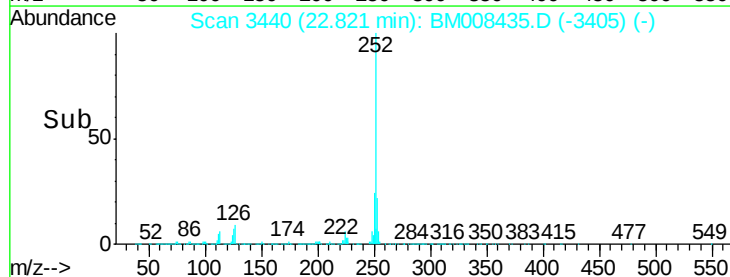
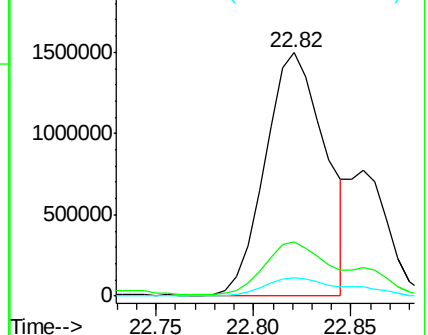
125 7.6 5.4 8.2

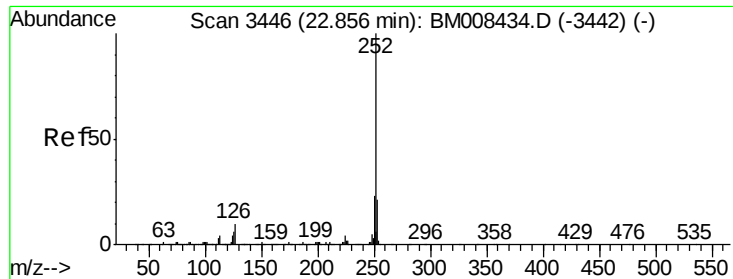


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

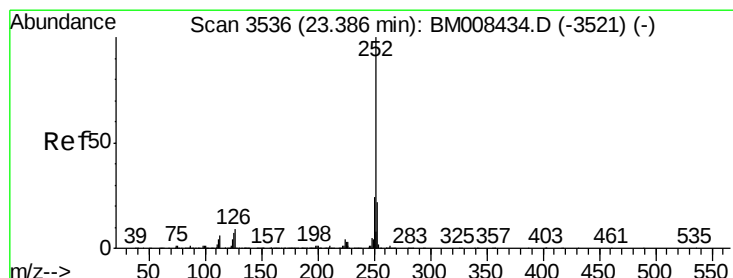
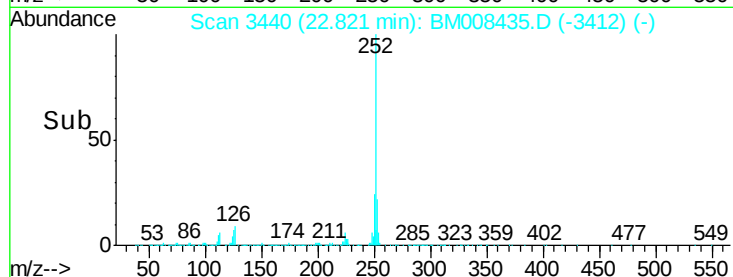
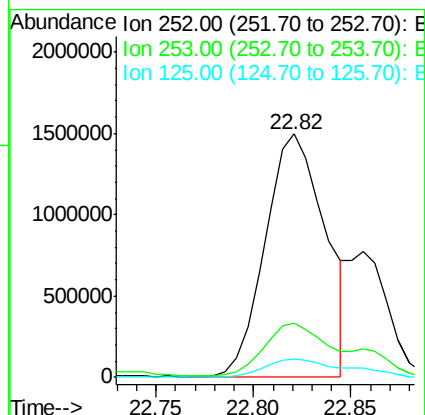
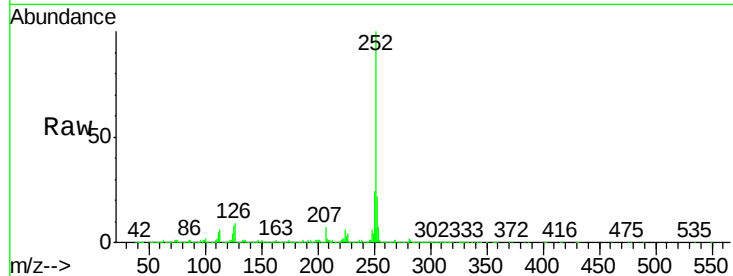




#86
Benzo(k)fluoranthene
Concen: 60.67 ng/ul
RT: 22.82 min Scan# 3440
Delta R.T. -0.04 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

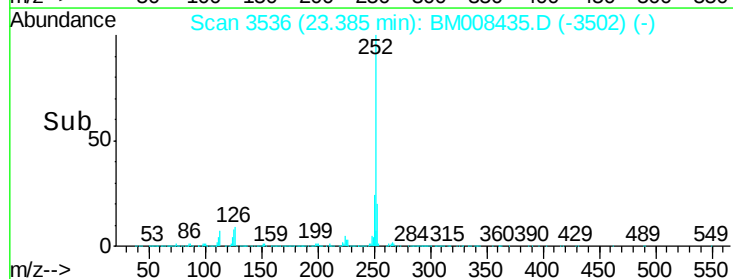
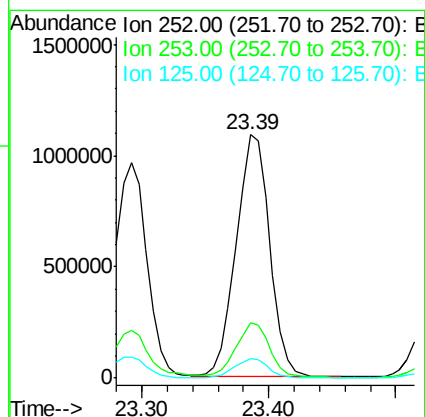
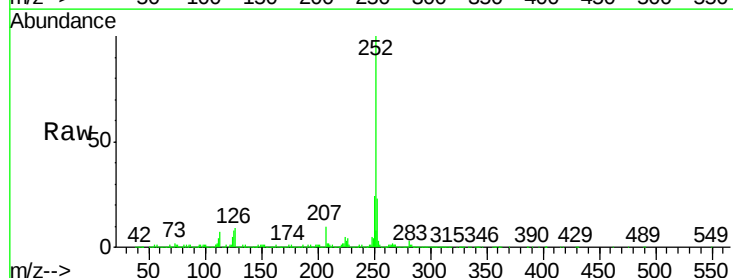
Instrument :
BNA_M
ClientSampleId :
DA7F6DL

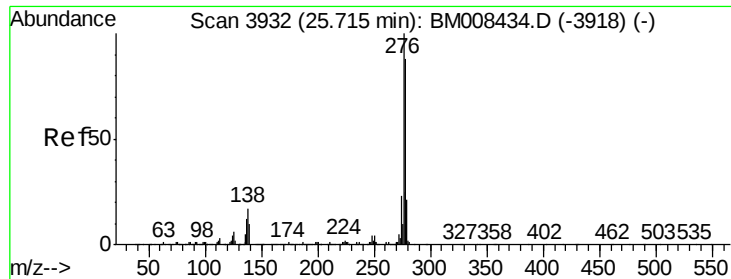
Tgt Ion:252 Resp: 3181870
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 7.6 5.8 8.6



#88
Benzo(a)pyrene
Concen: 37.70 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. -0.00 min
Lab File: BM008435.D
Acq: 18 Dec 2016 13:22

Tgt Ion:252 Resp: 1990852
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 8.1 6.6 9.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 23.24 ng/ul

RT: 25.72 min Scan# 3933

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

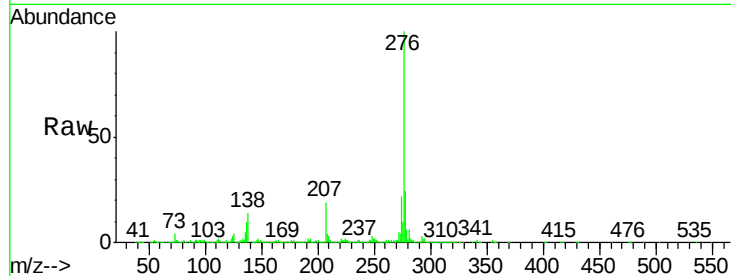
Tgt Ion:276 Resp: 1490219

Ion Ratio Lower Upper

276 100

138 14.0 13.4 20.2

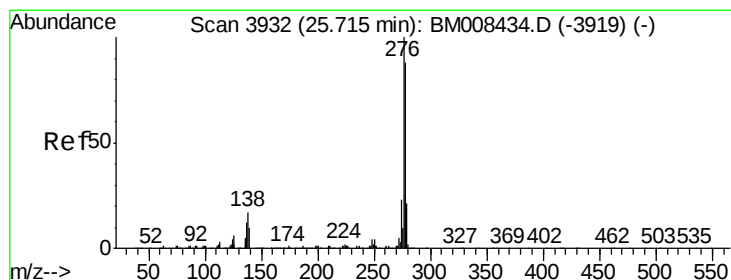
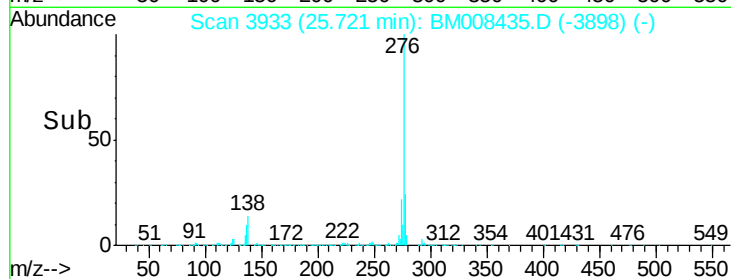
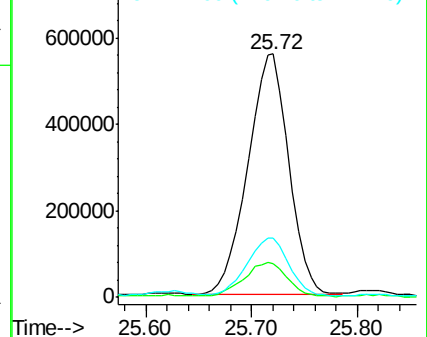
277 24.3 19.7 29.5



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



#90

Dibenzo(a,h)anthracene

Concen: 8.95 ng/ul

RT: 25.71 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

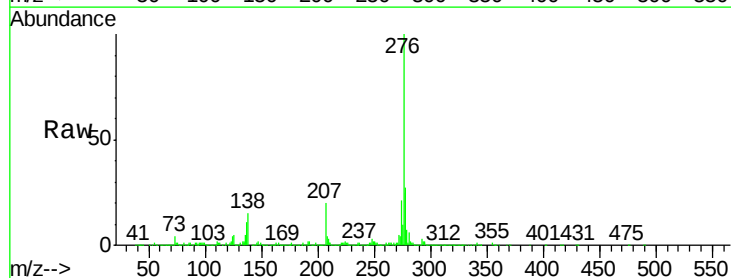
Tgt Ion:278 Resp: 481802

Ion Ratio Lower Upper

278 100

139 0.0 9.4 14.0#

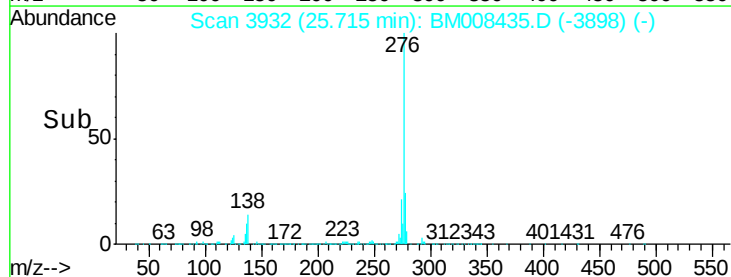
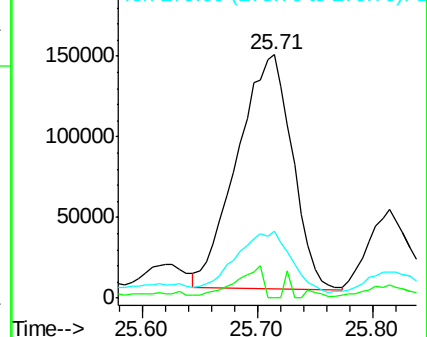
279 27.3 18.6 28.0

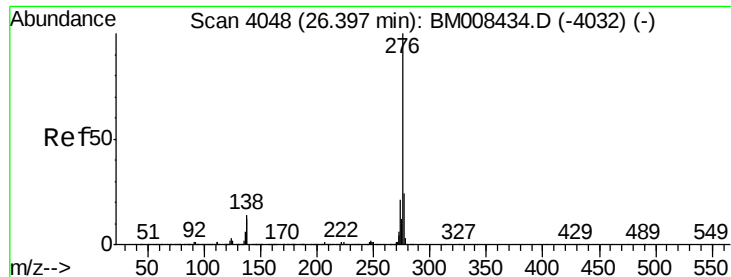


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.99 ng/ul

RT: 26.40 min Scan# 4049

Delta R.T. 0.01 min

Lab File: BM008435.D

Acq: 18 Dec 2016 13:22

Instrument :

BNA_M

ClientSampleId :

DA7F6DL

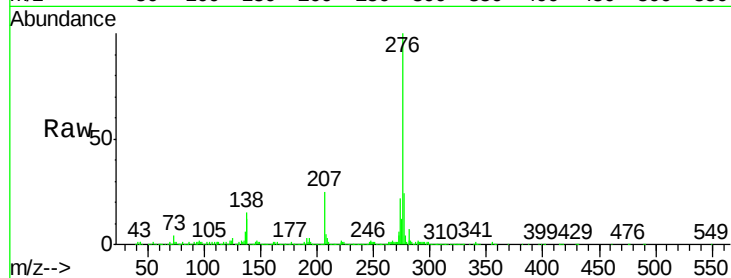
Tgt Ion:276 Resp: 1340017

Ion Ratio Lower Upper

276 100

138 14.6 12.0 18.0

277 24.0 19.4 29.0



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

