

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121816\
 Data File : BM008419.D
 Acq On : 17 Dec 2016 19:36
 Operator : UM/SJ
 Sample : H6067-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7F6

Quant Time: Dec 18 04:18:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 04:15:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	122192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	461091	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	290124	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	583210	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	797121	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	850453	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	8432	3.25	ng/uL	0.00
5) Phenol-d5	6.86	99	124297	13.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	92109	16.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	113736	15.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	89352	12.17	ng/ul	0.01
19) Nitrobenzene-d5	8.83	128	58073	17.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	62411	16.90	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.10	165	100737	14.89	ng/ul	0.02
29) 4-Chloroaniline-d4	10.63	131	49036	6.32	ng/ul	0.04
43) Dimethylphthalate-d6	13.72	166	359086	18.62	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	435729	19.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	8136	2.86	ng/ul	0.06
57) Fluorene-d10	15.30	176	313989	18.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	33859	9.75	ng/ul	0.00
70) Anthracene-d10	17.15	188	489255	19.26	ng/ul	0.00
76) Pyrene-d10	19.46	212	608429	19.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	678943	19.01	ng/ul	0.00

Target Compounds

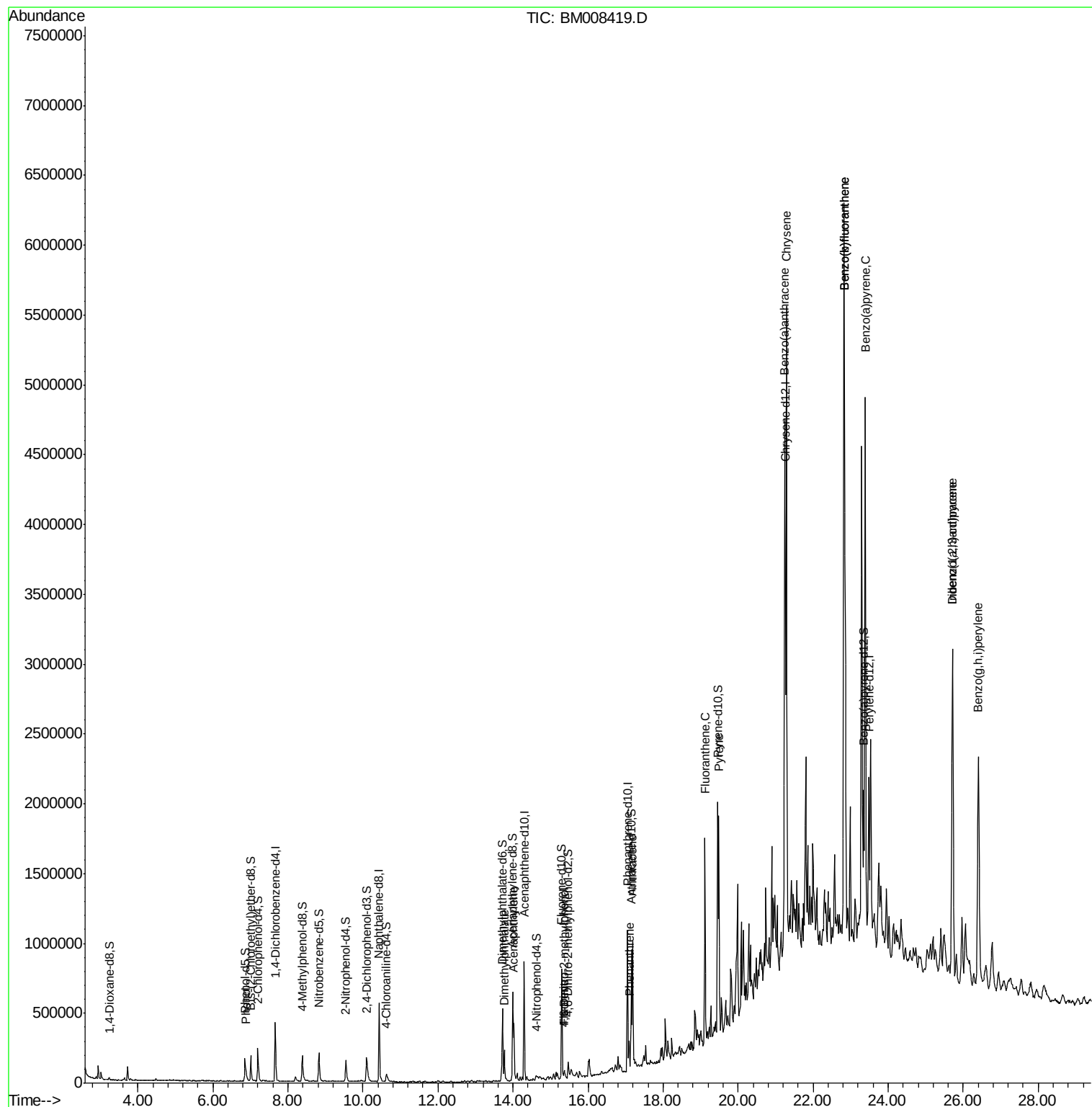
						Qvalue
6) Phenol	6.89	94	26193	2.66	ng/ul	92
44) Dimethylphthalate	13.77	163	122697	6.49	ng/ul	98
47) Acenaphthylene	14.02	152	337960	14.57	ng/ul	97
58) Fluorene	15.36	166	20680	1.08	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.37	198	4143	1.16	ng/ul#	95
69) Phenanthrene	17.10	178	118112	3.95	ng/ul	98
71) Anthracene	17.19	178	613048	20.21	ng/ul	99
74) Fluoranthene	19.12	202	841451	22.92	ng/ul	99
77) Pyrene	19.49	202	949237	24.25	ng/ul	100
80) Benzo(a)anthracene	21.24	228	1882847	45.70	ng/ul	96
82) Chrysene	21.29	228	2809336	70.90	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	4800550	104.58	ng/ul	99
86) Benzo(k)fluoranthene	22.83	252	4800550	109.28	ng/ul	100
88) Benzo(a)pyrene	23.39	252	2928859	66.22	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.72	276	2255224	41.99	ng/ul	97
90) Dibenzo(a,h)anthracene	25.72	278	710079	15.75	ng/ul#	91
91) Benzo(g,h,i)perylene	26.41	276	1982702	44.14	ng/ul	99

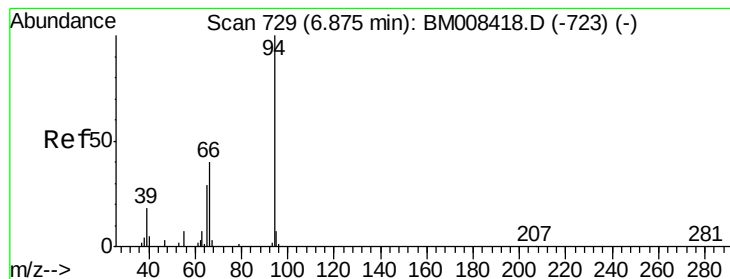
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 04:15:46 2016
Response via : Initial Calibration





#6

Phenol

Concen: 2.66 ng/ul

RT: 6.89 min Scan# 731

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

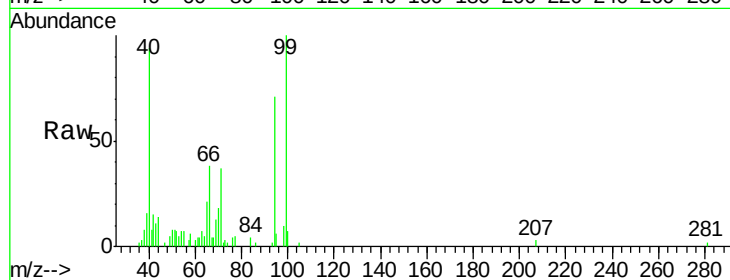
Tgt Ion: 94 Resp: 26193

Ion Ratio Lower Upper

94 100

65 29.0 22.6 34.0

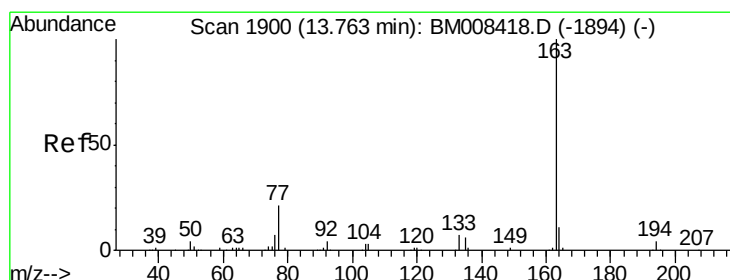
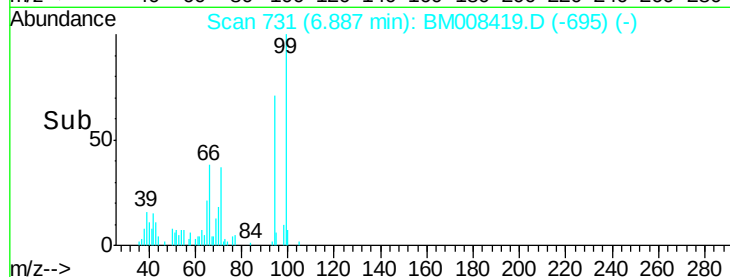
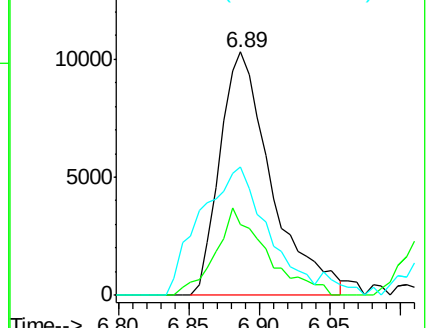
66 53.0 35.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BM008419.D (-695) (-)

Ion 65.00 (64.70 to 65.70): BM008419.D (-695) (-)

Ion 66.00 (65.70 to 66.70): BM008419.D (-695) (-)



#44

Dimethylphthalate

Concen: 6.49 ng/ul

RT: 13.77 min Scan# 1901

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

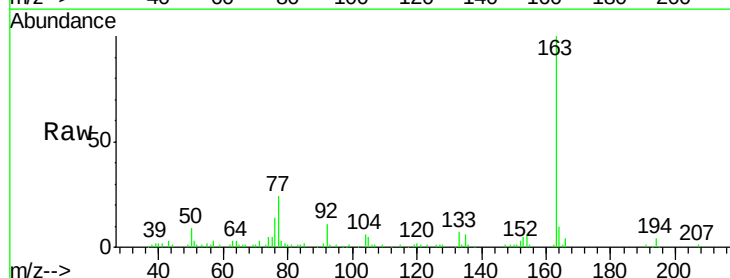
Tgt Ion: 163 Resp: 122697

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

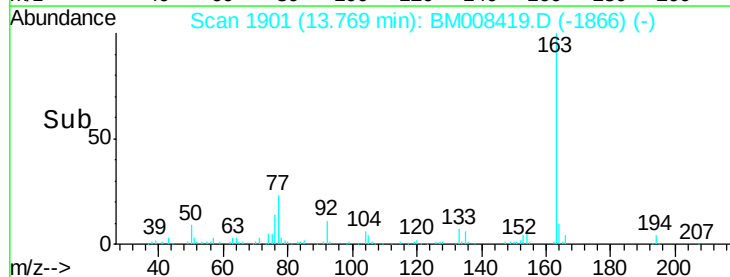
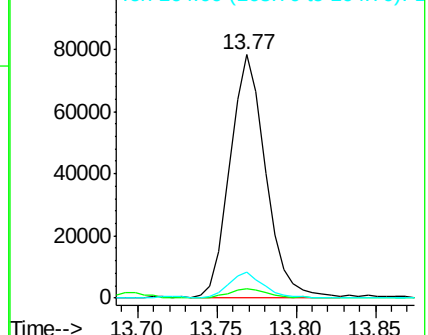
164 10.5 7.8 11.8

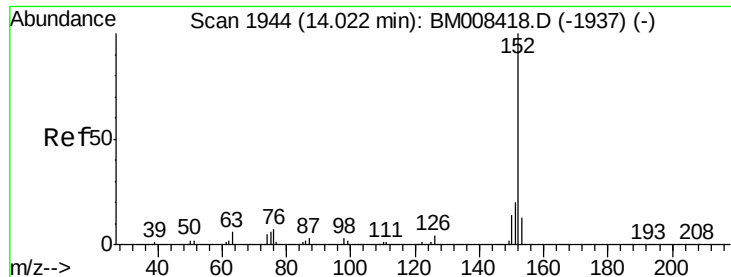


Abundance Ion 163.00 (162.70 to 163.70): BM008419.D (-1866) (-)

Ion 194.00 (193.70 to 194.70): BM008419.D (-1866) (-)

Ion 164.00 (163.70 to 164.70): BM008419.D (-1866) (-)





#47

Acenaphthylene

Concen: 14.57 ng/ul

RT: 14.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

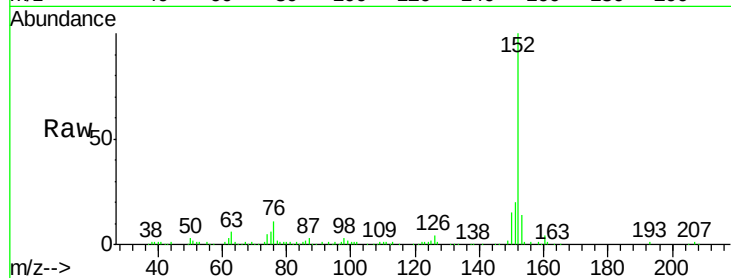
Tgt Ion:152 Resp: 337960

Ion Ratio Lower Upper

152 100

151 20.4 15.3 22.9

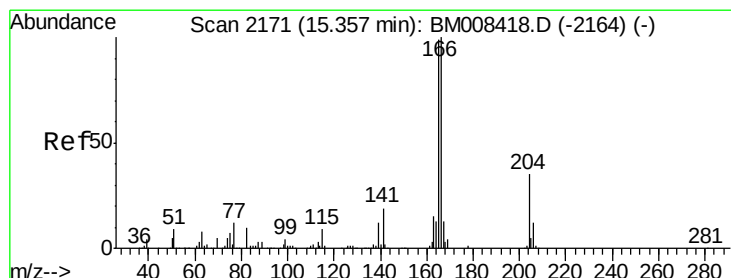
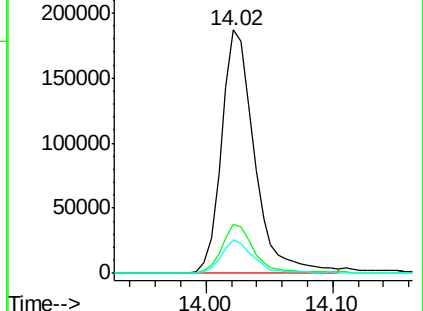
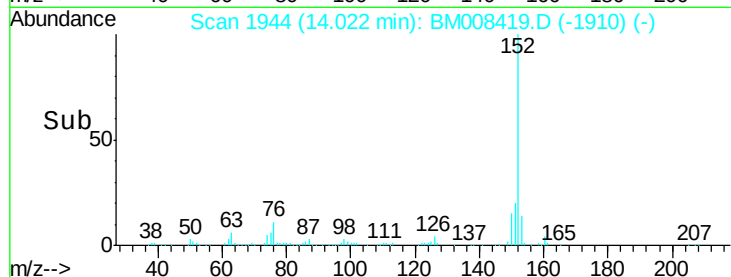
153 13.7 9.9 14.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#58

Fluorene

Concen: 1.08 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

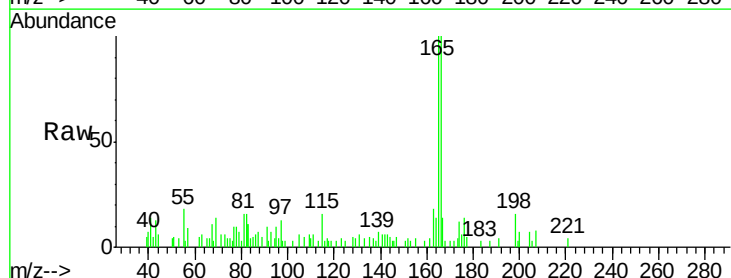
Tgt Ion:166 Resp: 20680

Ion Ratio Lower Upper

166 100

165 100.3 79.3 118.9

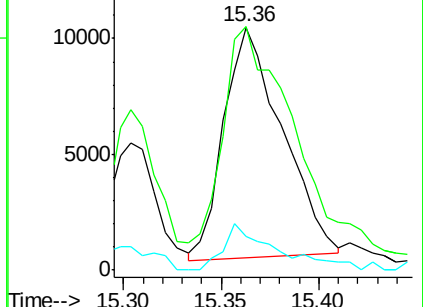
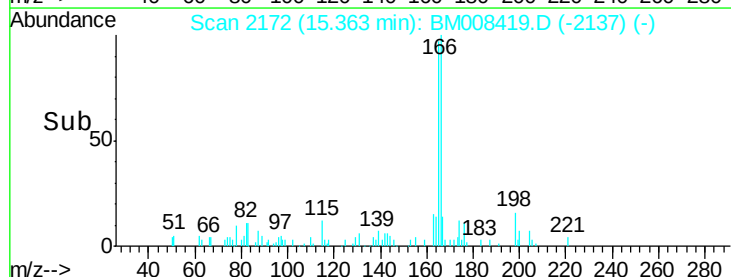
167 13.9 10.7 16.1

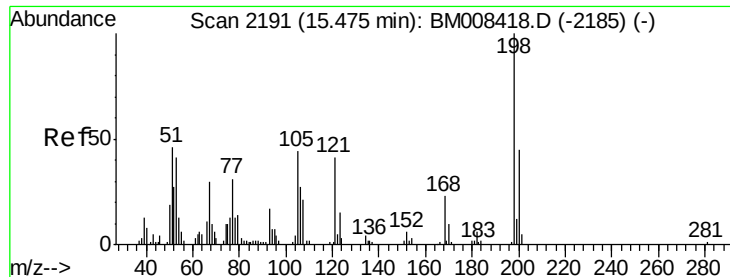


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

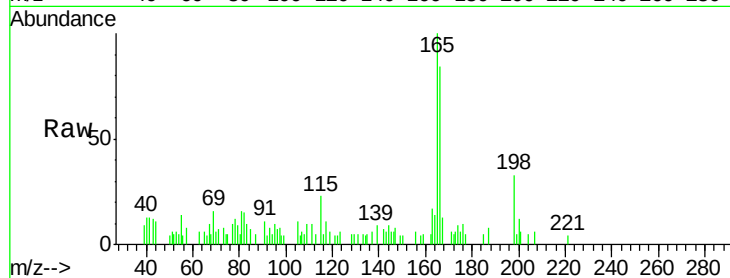




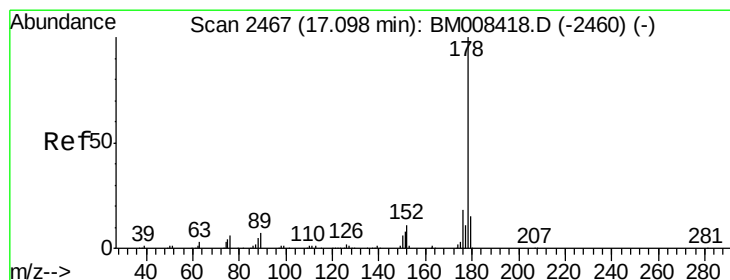
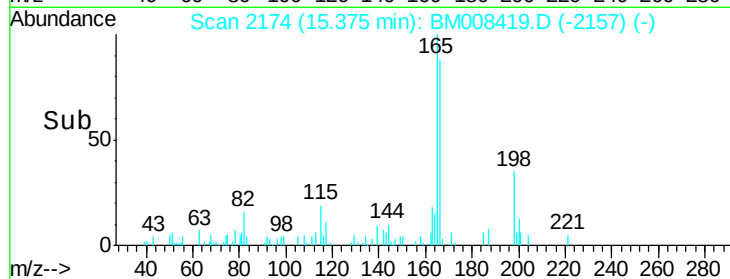
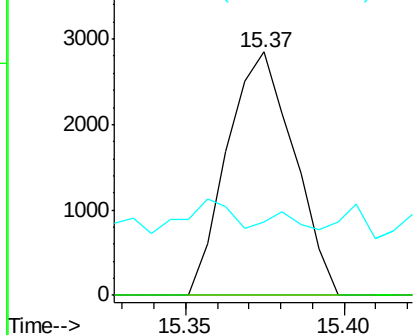
#63
 4,6-Dinitro-2-methylphenol
 Concen: 1.16 ng/ul
 RT: 15.37 min Scan# 2174
 Delta R.T. -0.10 min
 Lab File: BM008419.D
 Acq: 17 Dec 2016 19:36

Instrument :
 BNA_M
 ClientSampleId :
 DA7F6

Tgt Ion:198 Resp: 4143
 Ion Ratio Lower Upper
 198 100
 182 0.0 4.2 6.2#
 77 30.0 23.0 34.4

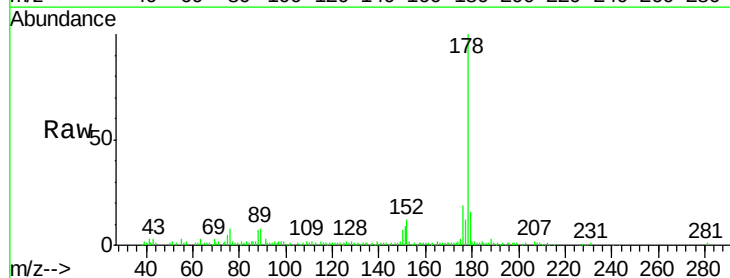


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BM

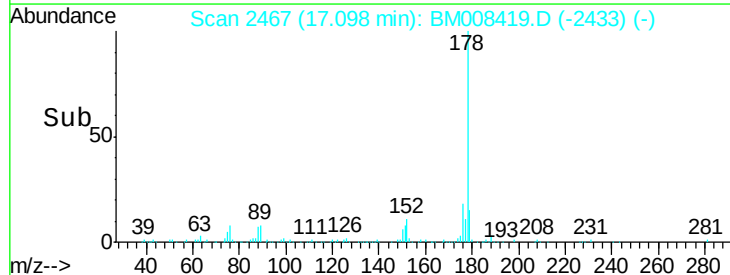
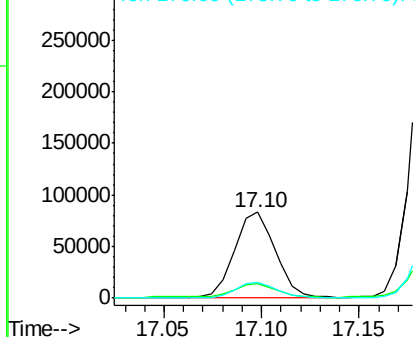


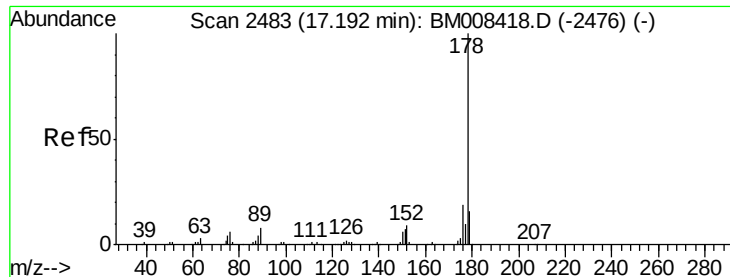
#69
 Phenanthrene
 Concen: 3.95 ng/ul
 RT: 17.10 min Scan# 2467
 Delta R.T. -0.00 min
 Lab File: BM008419.D
 Acq: 17 Dec 2016 19:36

Tgt Ion:178 Resp: 118112
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.0 18.0
 176 18.5 14.6 21.8



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





#71

Anthracene

Concen: 20.21 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.00 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

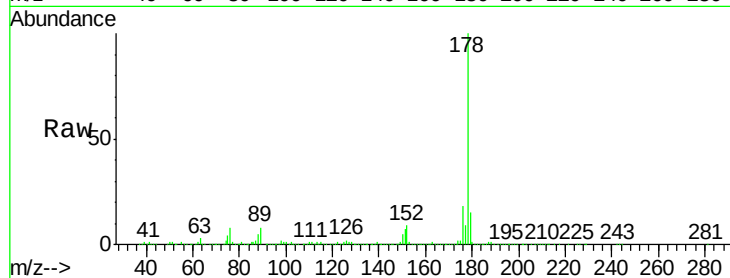
Tgt Ion:178 Resp: 613048

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

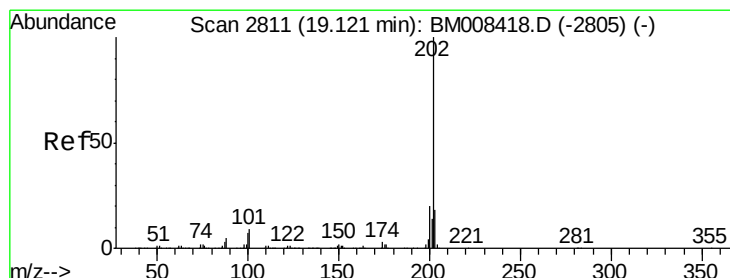
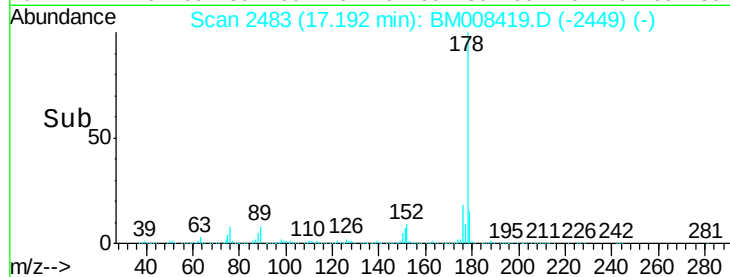
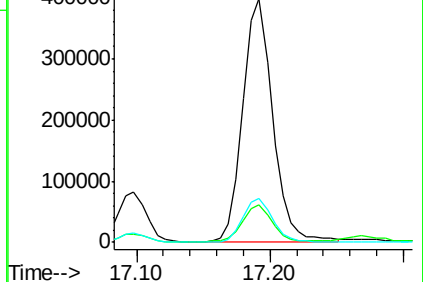
176 18.1 14.3 21.5



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: 22.92 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

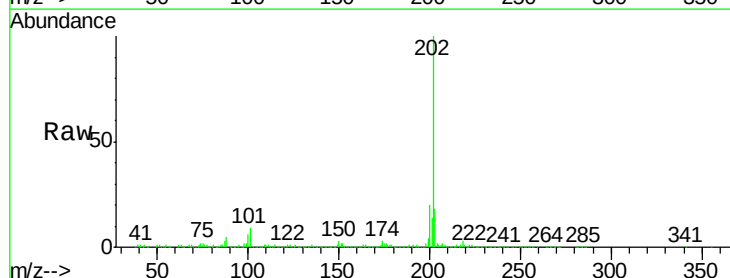
Tgt Ion:202 Resp: 841451

Ion Ratio Lower Upper

202 100

101 9.0 6.6 10.0

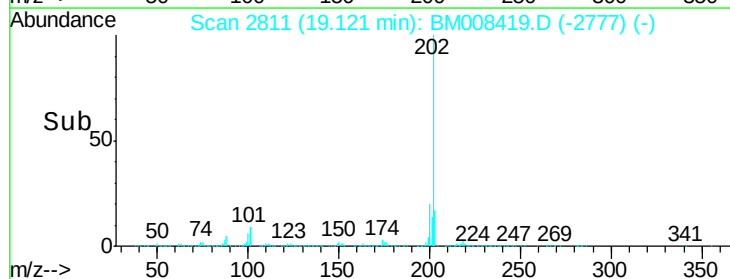
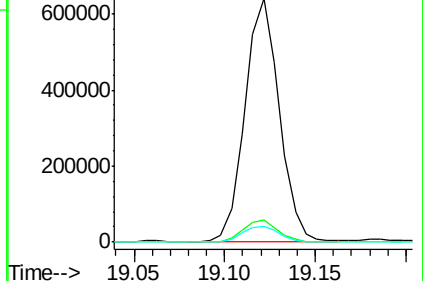
100 6.5 5.3 7.9

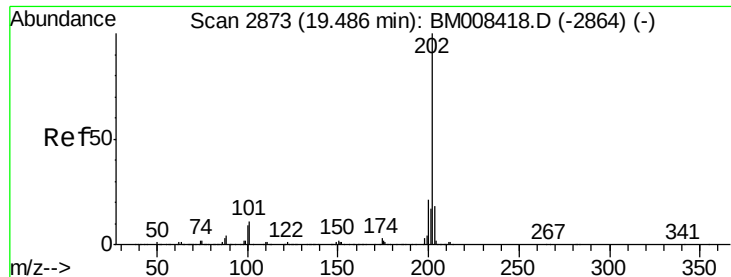


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 24.25 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

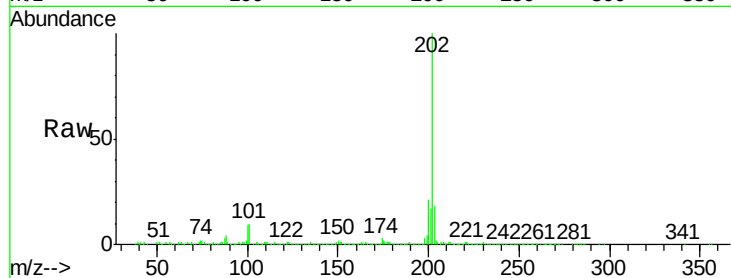
Instrument :

BNA_M

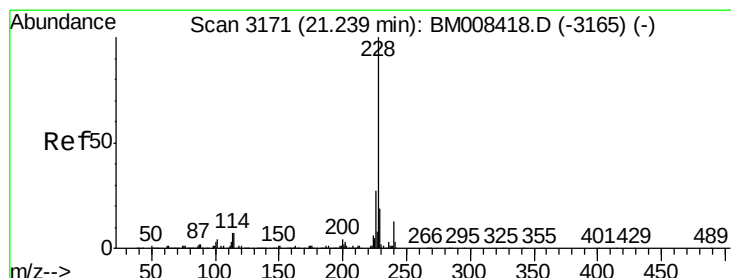
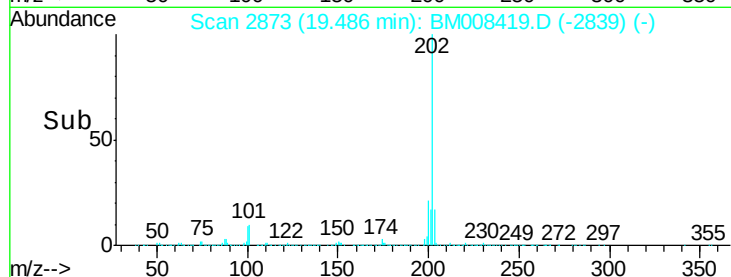
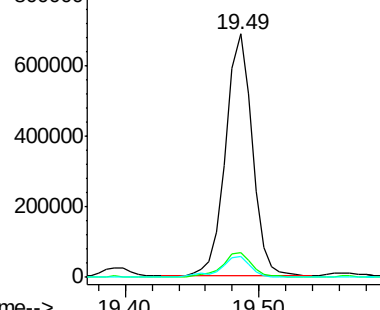
ClientSampleId :

DA7F6

Tgt Ion:	202	Resp:	949237
Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.2	12.4
100	8.8	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): B



#80

Benzo(a)anthracene

Concen: 45.70 ng/ul

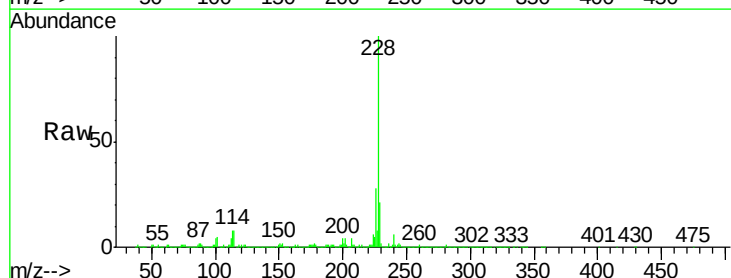
RT: 21.24 min Scan# 3171

Delta R.T. -0.00 min

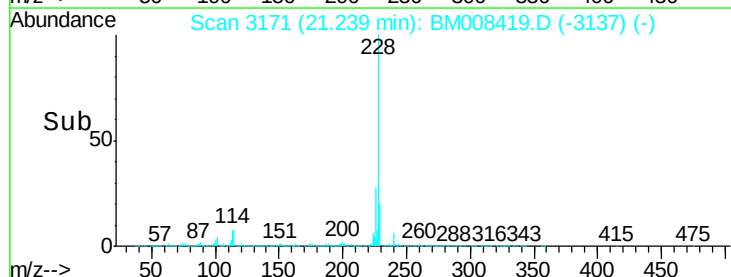
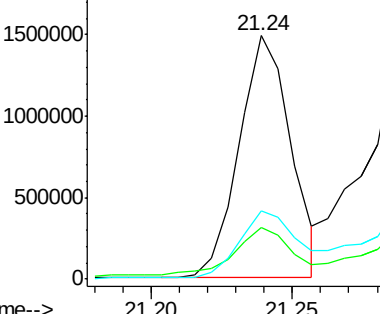
Lab File: BM008419.D

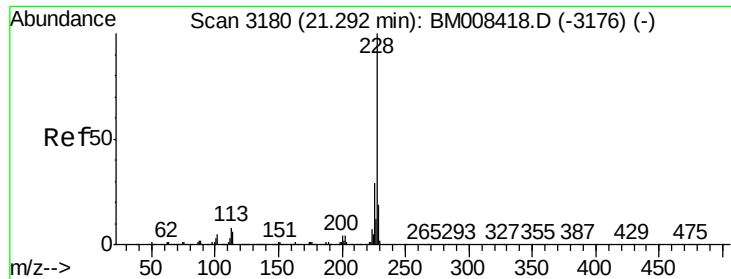
Acq: 17 Dec 2016 19:36

Tgt Ion:	228	Resp:	1882847
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.4	23.2
226	28.3	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: 70.90 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

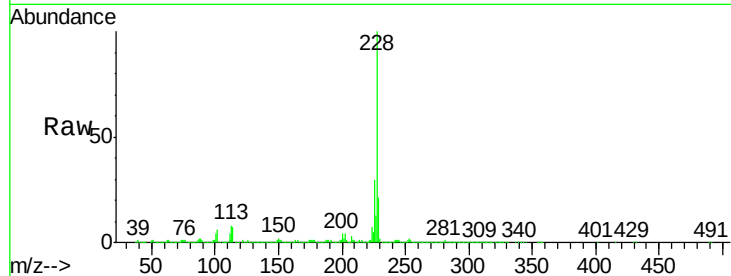
Tgt Ion:228 Resp: 2809336

Ion Ratio Lower Upper

228 100

226 30.1 23.1 34.7

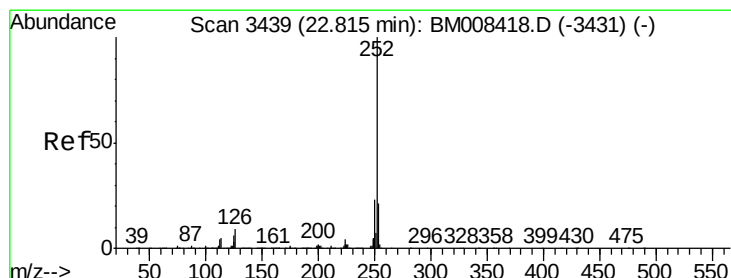
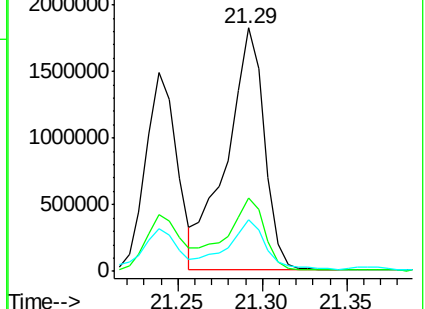
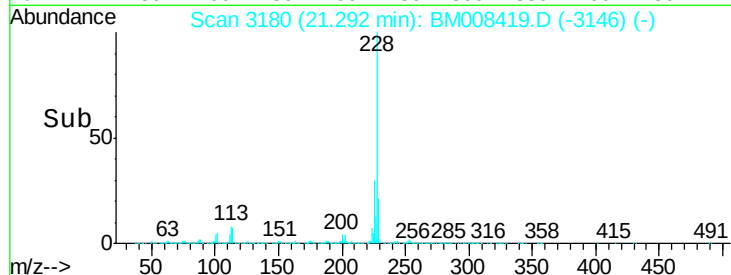
229 21.0 15.4 23.2



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: 104.58 ng/ul

RT: 22.83 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

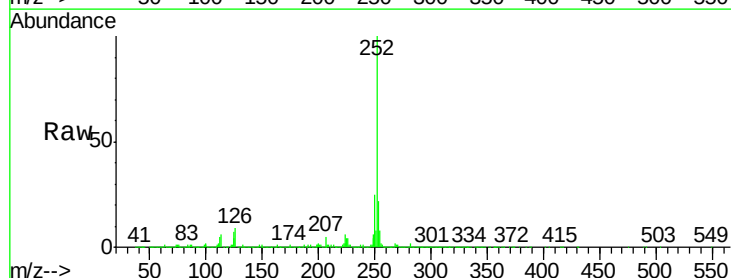
Tgt Ion:252 Resp: 4800550

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

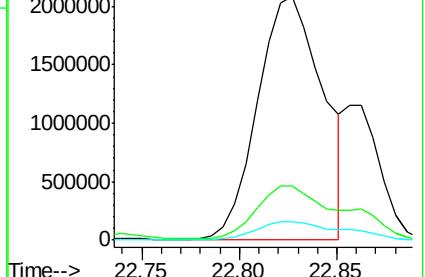
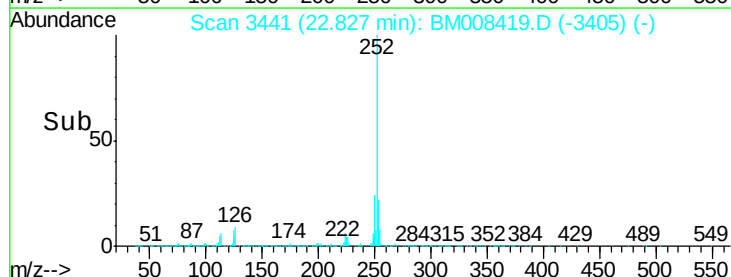
125 7.4 5.4 8.2

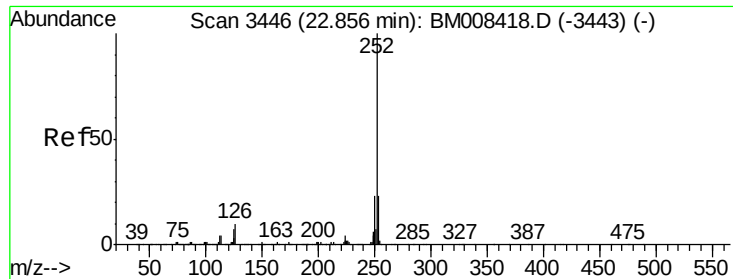


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

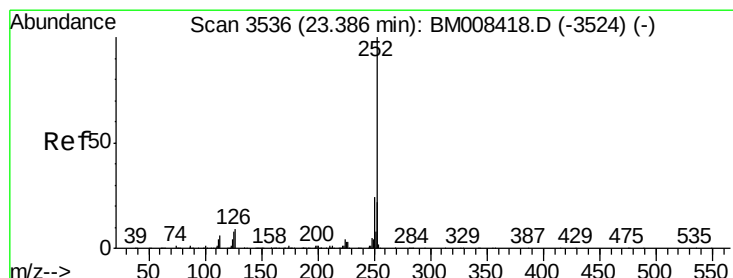
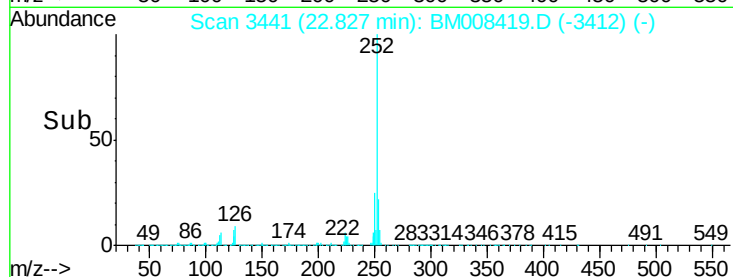
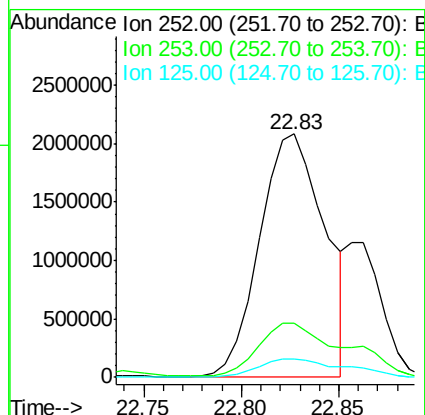
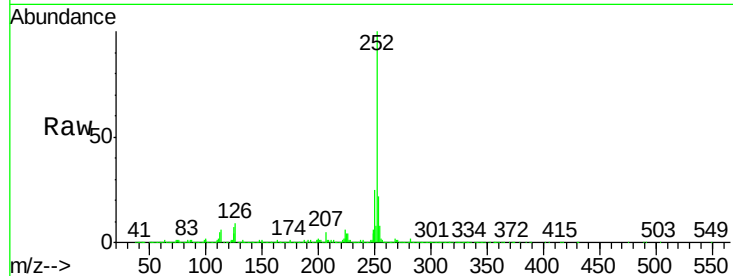




#86
Benzo(k)fluoranthene
Concen: 109.28 ng/ul
RT: 22.83 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

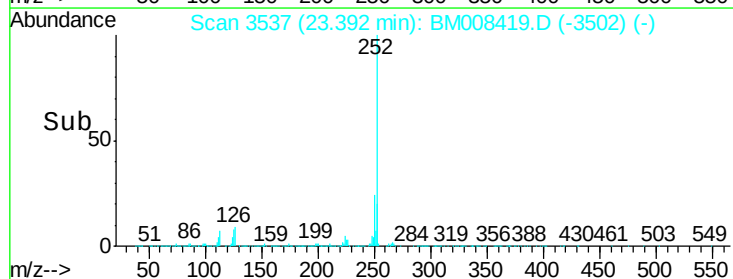
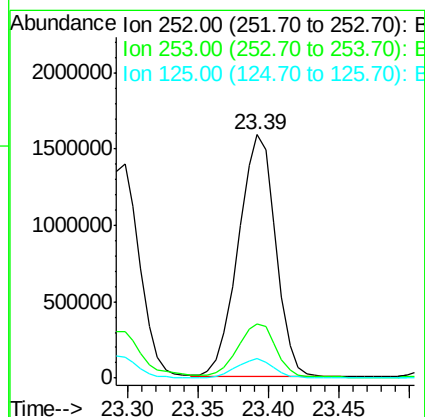
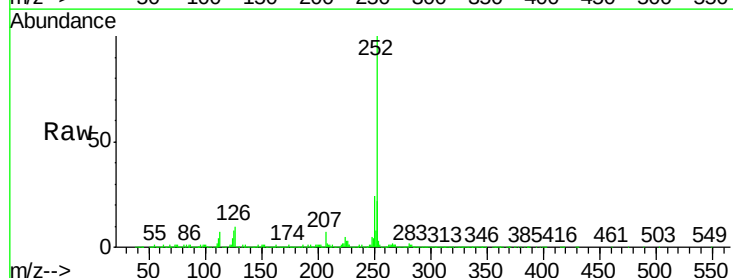
Instrument :
BNA_M
ClientSampled :
DA7F6

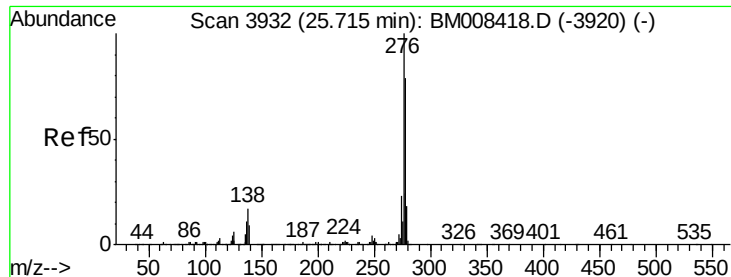
Tgt Ion:252 Resp: 4800550
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 7.4 5.8 8.6



#88
Benzo(a)pyrene
Concen: 66.22 ng/ul
RT: 23.39 min Scan# 3537
Delta R.T. 0.01 min
Lab File: BM008419.D
Acq: 17 Dec 2016 19:36

Tgt Ion:252 Resp: 2928859
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 8.0 6.6 9.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 41.99 ng/ul

RT: 25.72 min Scan# 3933

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

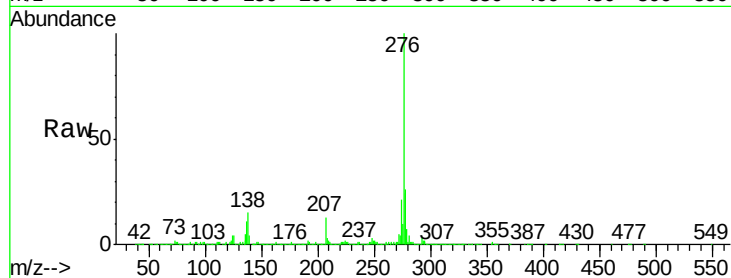
Tgt Ion:276 Resp: 2255224

Ion Ratio Lower Upper

276 100

138 14.6 13.4 20.2

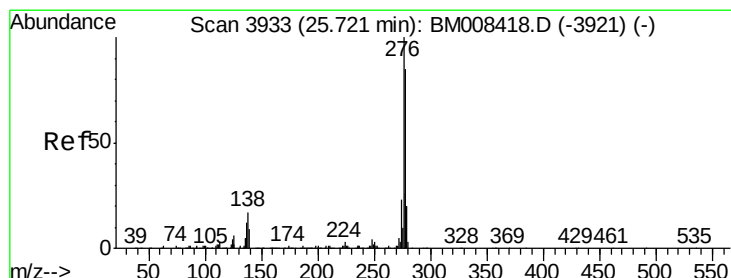
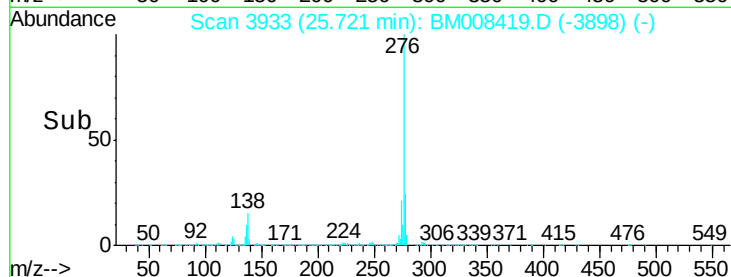
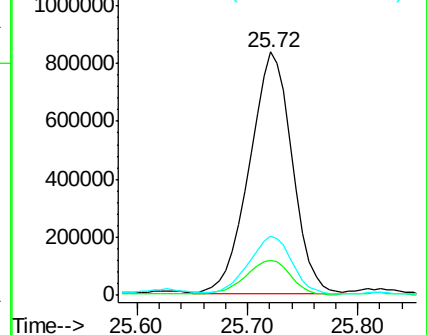
277 24.2 19.7 29.5



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: 15.75 ng/ul

RT: 25.72 min Scan# 3932

Delta R.T. -0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

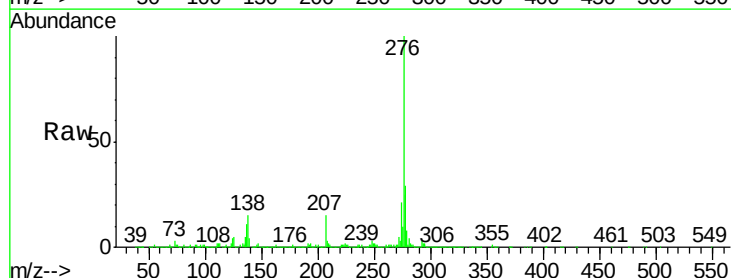
Tgt Ion:278 Resp: 710079

Ion Ratio Lower Upper

278 100

139 14.7 9.4 14.0#

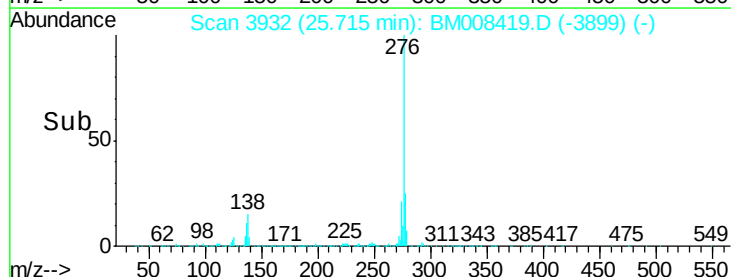
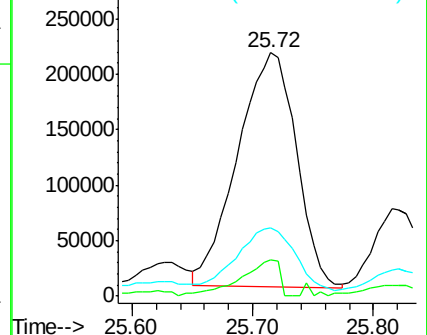
279 28.2 18.6 28.0#

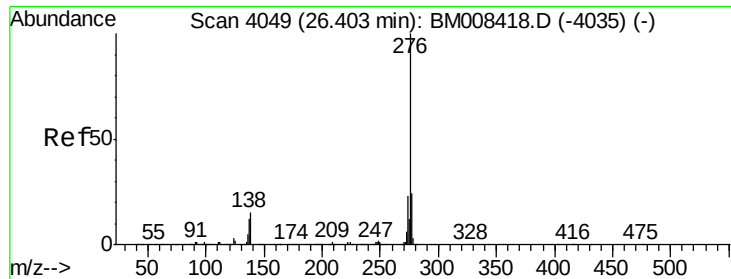


Abundance Ion 278.00 (277.70 to 278.70): E

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: 44.14 ng/ul

RT: 26.41 min Scan# 4050

Delta R.T. 0.01 min

Lab File: BM008419.D

Acq: 17 Dec 2016 19:36

Instrument :

BNA_M

ClientSampleId :

DA7F6

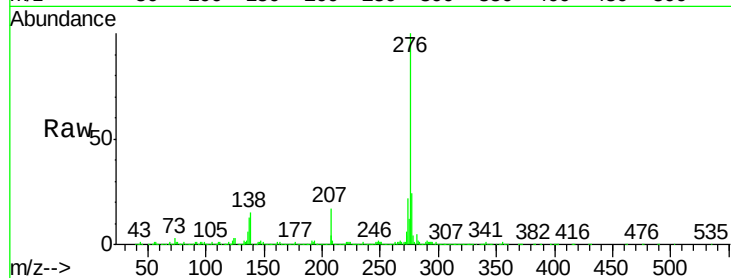
Tgt Ion:276 Resp: 1982702

Ion Ratio Lower Upper

276 100

138 15.1 12.0 18.0

277 23.6 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

