

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092618\
 Data File : BM016908.D
 Acq On : 26 Sep 2018 20:26
 Operator : MJ/SJ
 Sample : J5040-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 27 02:43:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 27 02:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	294916	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	1217196	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.36	164	652431	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	1439441	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	1587557	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	1730074	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	18253	2.65	ng/uL	0.00
5) Phenol-d5	6.89	99	410089	16.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	252807	16.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	355667	17.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	329620	17.12	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	167759	20.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	172289	23.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	329830	17.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	395509	17.73	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	947141	18.08	ng/ul	0.00
47) Acenaphthylene-d8	14.05	160	1225016	18.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	109110	12.69	ng/ul	0.00
58) Fluorene-d10	15.35	176	865418	18.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.47	200	49569	8.39	ng/ul	0.00
71) Anthracene-d10	17.20	188	1367077	19.68	ng/ul	0.00
79) Pyrene-d10	19.50	212	1528009	19.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.40	264	1798059	19.92	ng/ul	0.00

Target Compounds

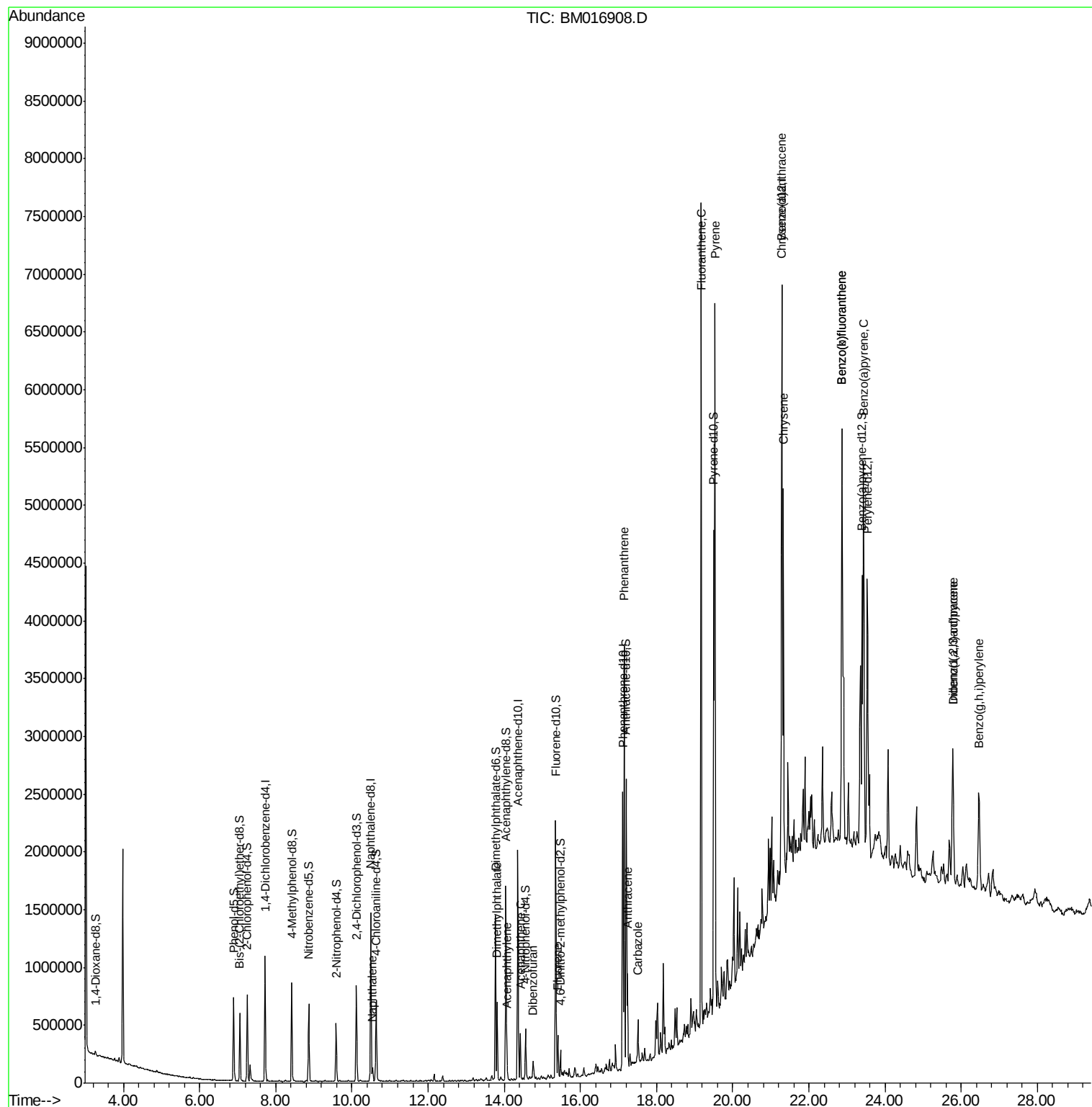
					Ovalue	
28) Naphthalene	10.55	128	99585	1.591	ng/ul	97
45) Dimethylphthalate	13.82	163	415796	8.121	ng/ul	99
48) Acenaphthylene	14.07	152	77664	1.213	ng/ul	99
50) Acenaphthene	14.42	153	164360	3.615	ng/ul	99
54) Dibenzofuran	14.76	168	93472	1.498	ng/ul	95
59) Fluorene	15.41	166	163943	3.199	ng/ul	100
70) Phenanthrene	17.15	178	2212883	27.676	ng/ul	99
72) Anthracene	17.24	178	507036	6.177	ng/ul	96
75) Carbazole	17.51	167	237365	3.289	ng/ul	98
77) Fluoranthene	19.17	202	4255770	46.432	ng/ul#	89
80) Pyrene	19.53	202	3697803	37.934	ng/ul#	88
83) Benzo(a)anthracene	21.28	228	1943561	19.776	ng/ul	98
85) Chrysene	21.33	228	1790713	19.538	ng/ul	98
88) Benzo(b)fluoranthene	22.87	252	2401814	23.194	ng/ul#	93
89) Benzo(k)fluoranthene	22.87	252	2401814	24.155	ng/ul#	93
91) Benzo(a)pyrene	23.44	252	1746909	17.698	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	25.78	276	1132316	9.616	ng/ul#	91
93) Dibenzo(a,h)anthracene	25.78	278	279597	2.839	ng/ul#	85
94) Benzo(g,h,i)perylene	26.47	276	1060773	10.864	ng/ul#	92

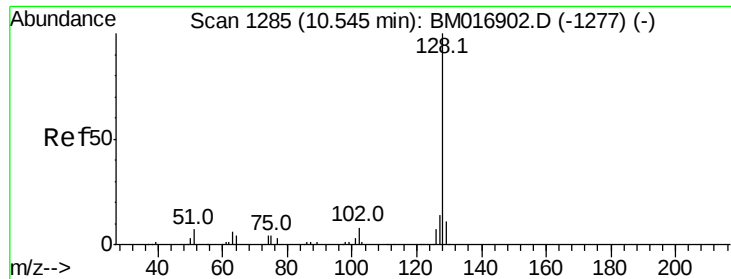
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 27 02:42:56 2018
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.591 ng/ul

RT: 10.55 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

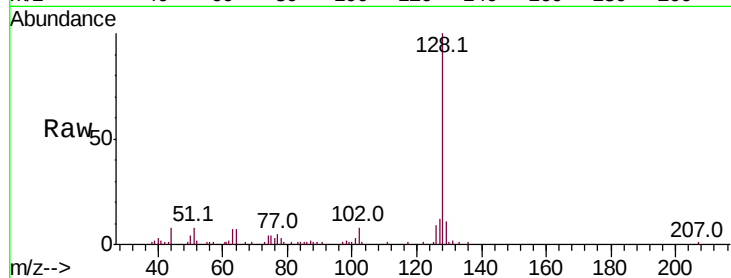
Instrument :

BNA_M

ClientSampleId :

Tot Ion:128 Resp: 99585

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.3	12.5
127	12.0	10.8	16.2

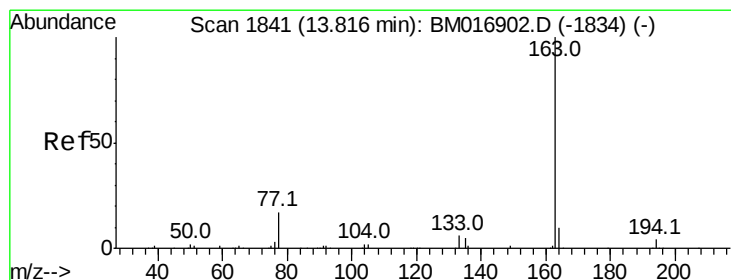
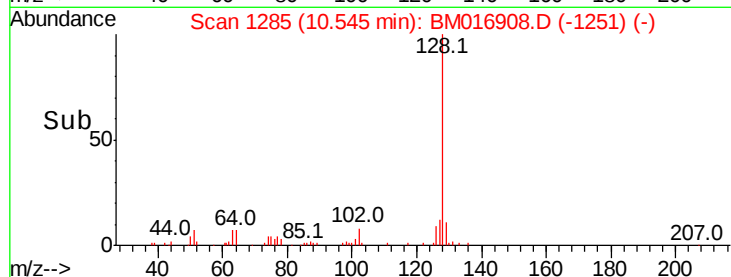
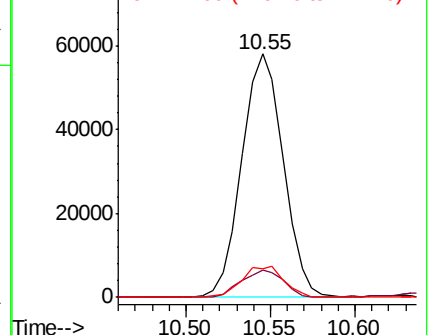


Abundance

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



#45

Dimethylphthalate

Concen: 8.121 ng/ul

RT: 13.82 min Scan# 1841

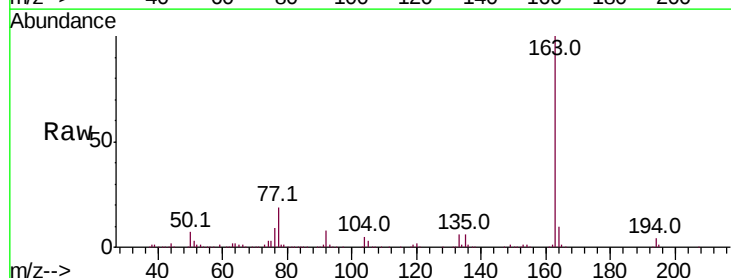
Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Tgt Ion:163 Resp: 415796

Ion	Ratio	Lower	Upper
163	100		
194	4.3	4.0	6.0
164	10.0	8.4	12.6

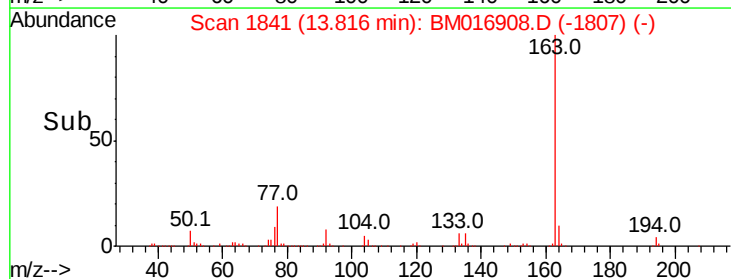
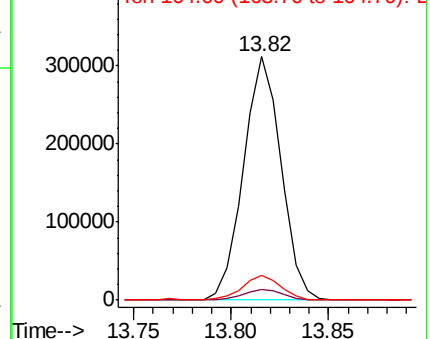


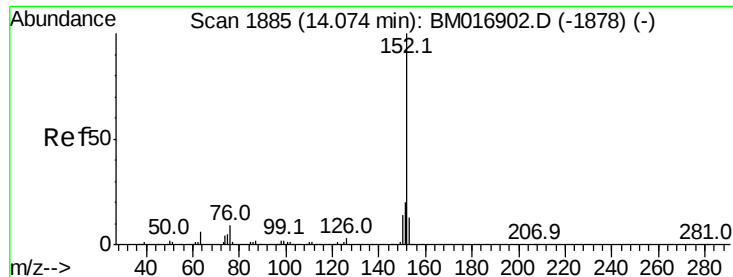
Abundance

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





#48

Acenaphthylene

Concen: 1.213 ng/ul

RT: 14.07 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Instrument :

BNA_M

ClientSampleId :

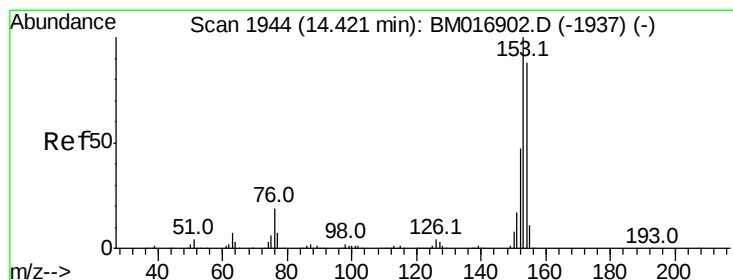
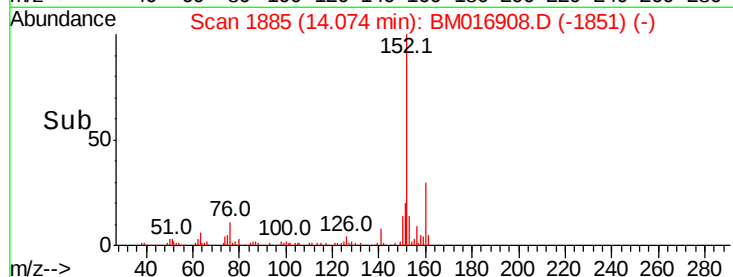
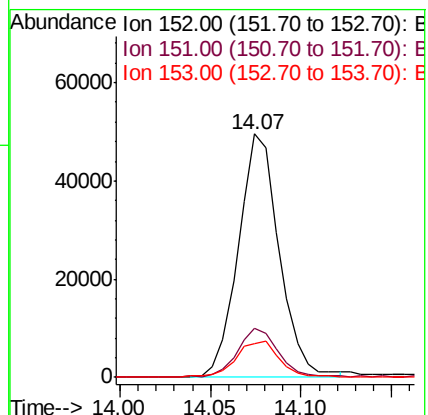
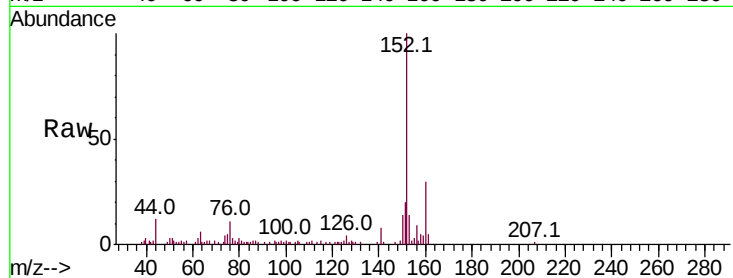
Tot Ion:152 Resp: 77664

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 14.1 10.8 16.2



#50

Acenaphthene

Concen: 3.615 ng/ul

RT: 14.42 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

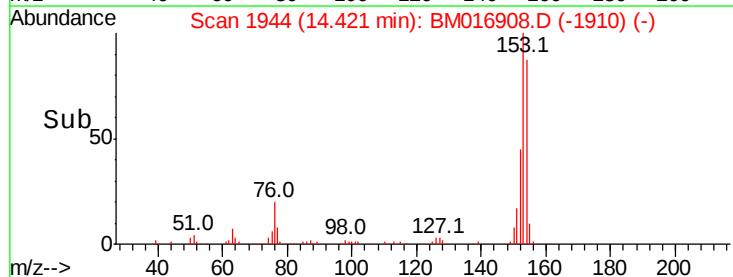
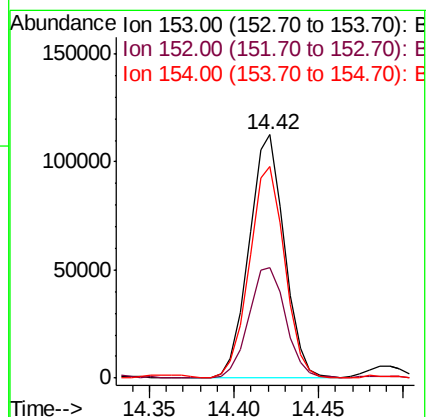
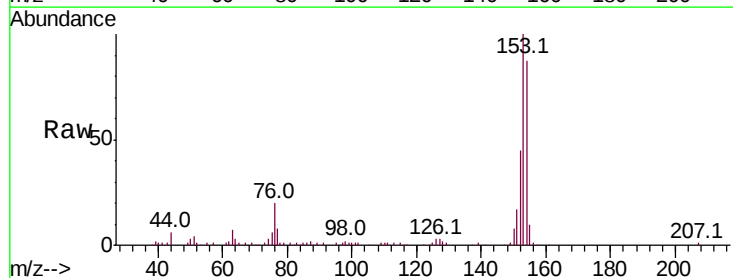
Tgt Ion:153 Resp: 164360

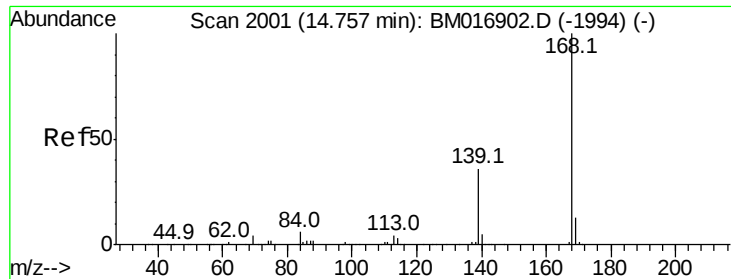
Ion Ratio Lower Upper

153 100

152 45.5 37.9 56.9

154 87.0 69.8 104.6





#54

Dibenzofuran

Concen: 1.498 ng/ul

RT: 14.76 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Instrument :

BNA_M

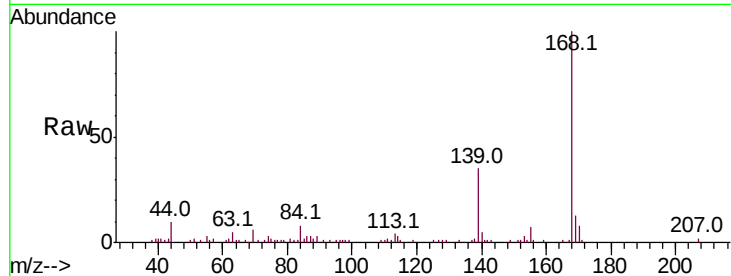
ClientSampleId :

Tot Ion:168 Resp: 93472

Ion Ratio Lower Upper

168 100

139 35.4 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.76

60000

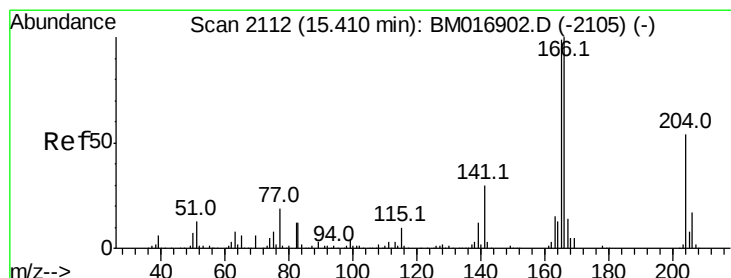
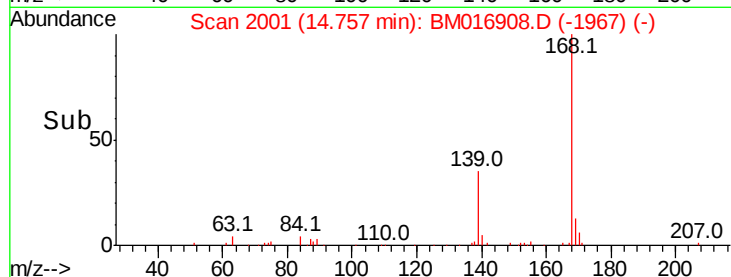
40000

20000

0

Time-->

14.70 14.75 14.80



#59

Fluorene

Concen: 3.199 ng/ul

RT: 15.41 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

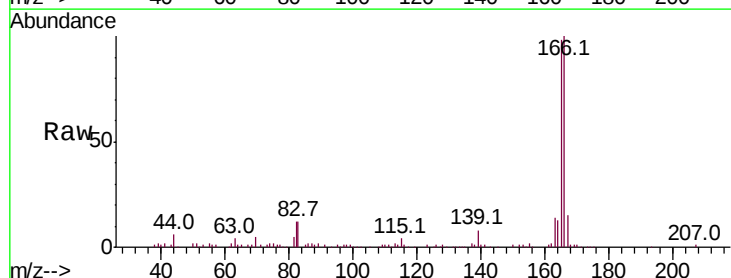
Tgt Ion:166 Resp: 163943

Ion Ratio Lower Upper

166 100

165 97.8 78.4 117.6

167 14.7 11.1 16.7



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

15.41

150000

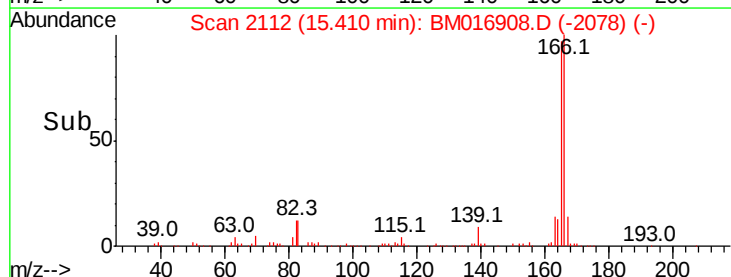
100000

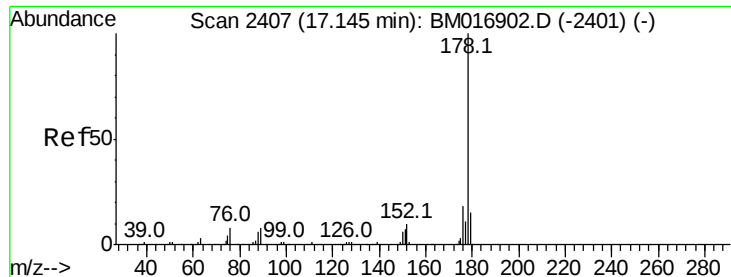
50000

0

Time-->

15.35 15.40 15.45





#70

Phenanthrene

Concen: 27.676 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Instrument :

BNA_M

ClientSampleId :

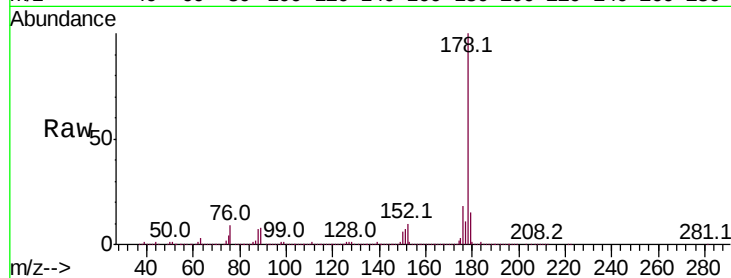
Tot Ion:178 Resp: 2212883

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

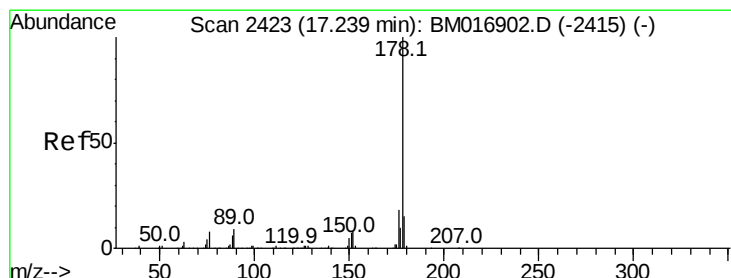
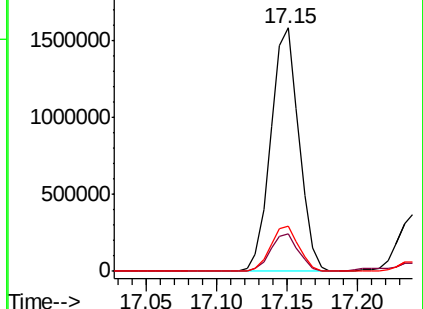
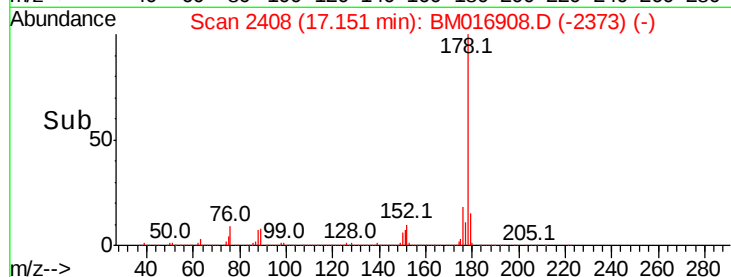
176 18.4 15.4 23.0



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



#72

Anthracene

Concen: 6.177 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

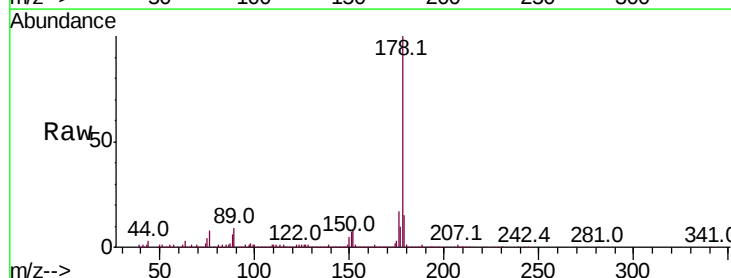
Tgt Ion:178 Resp: 507036

Ion Ratio Lower Upper

178 100

179 14.9 13.4 20.2

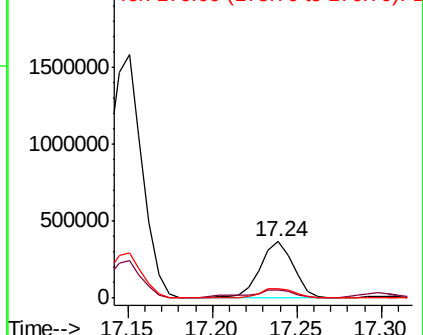
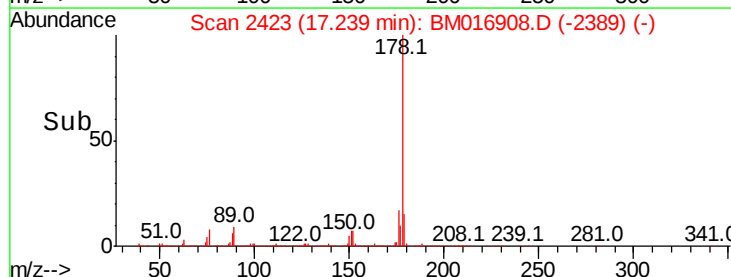
176 17.5 15.4 23.0

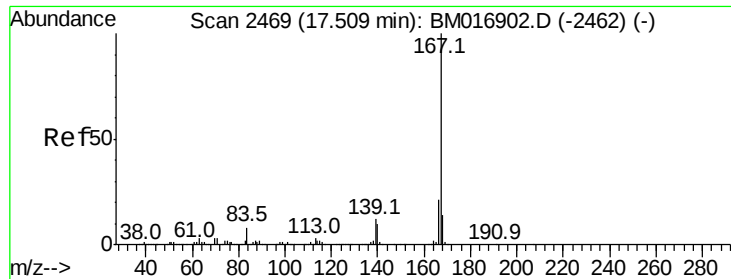


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.289 ng/ul

RT: 17.51 min Scan# 2469

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Instrument :

BNA_M

ClientSampleId :

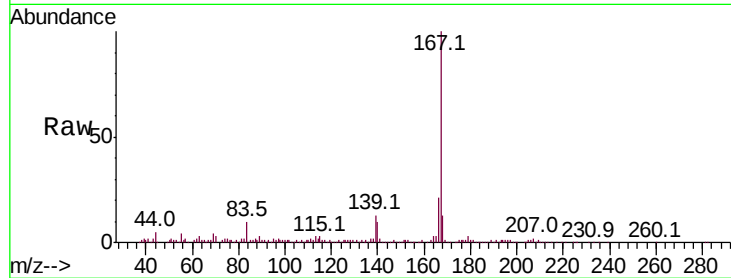
Tot Ion:167 Resp: 237365

Ion Ratio Lower Upper

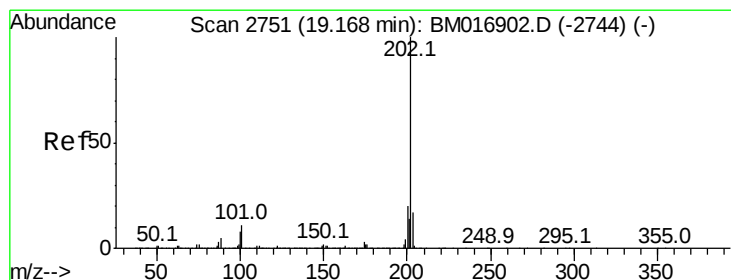
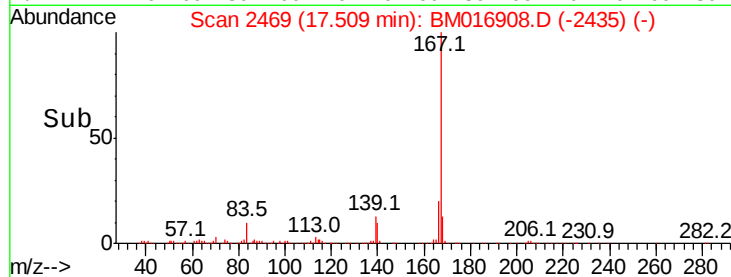
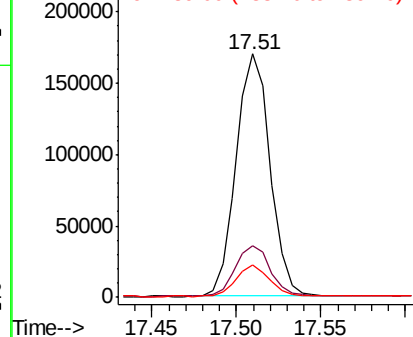
167 100

166 21.1 17.0 25.4

139 13.2 9.1 13.7



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 46.432 ng/ul

RT: 19.17 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

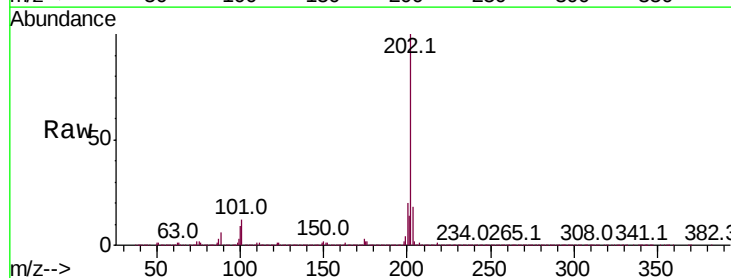
Tgt Ion:202 Resp: 4255770

Ion Ratio Lower Upper

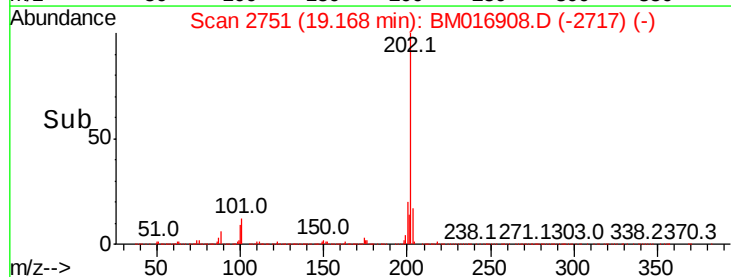
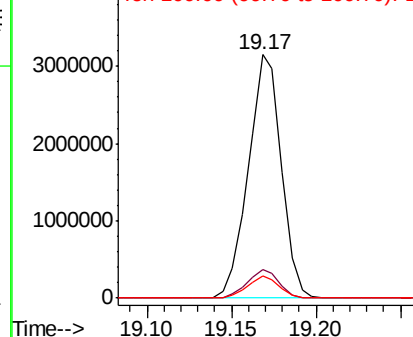
202 100

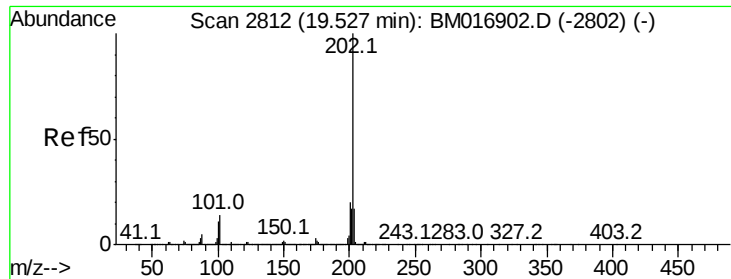
101 11.9 6.1 9.1#

100 9.1 4.6 7.0#



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

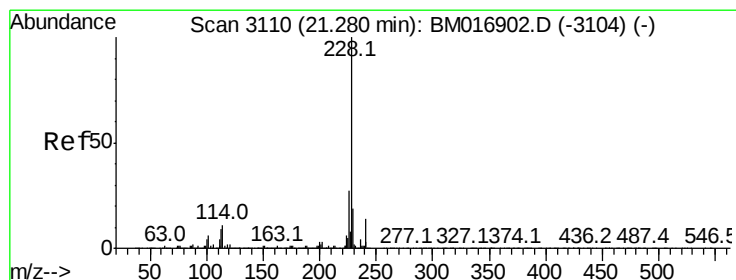
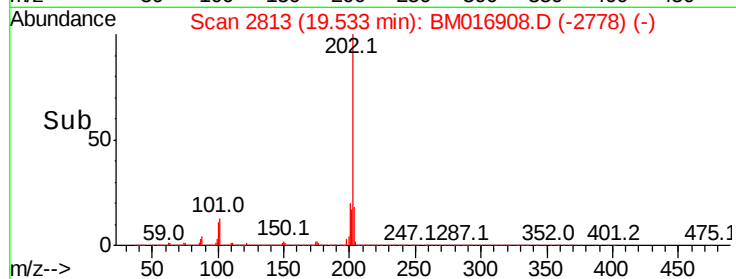
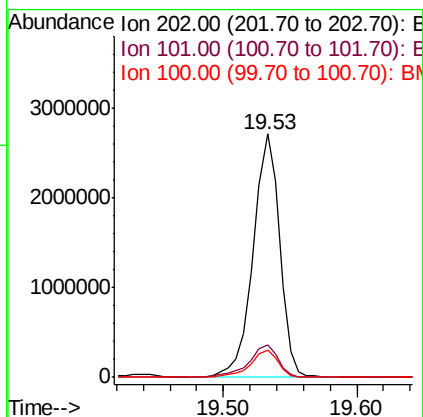
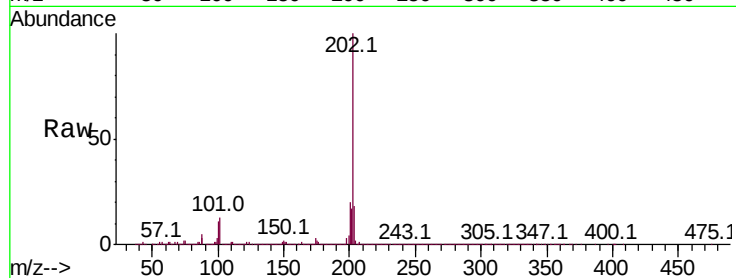




#80
Pvrene
Concen: 37.934 ng/ul
RT: 19.53 min Scan# 2813
Delta R.T. 0.01 min
Lab File: BM016908.D
Acq: 26 Sep 2018 20:26

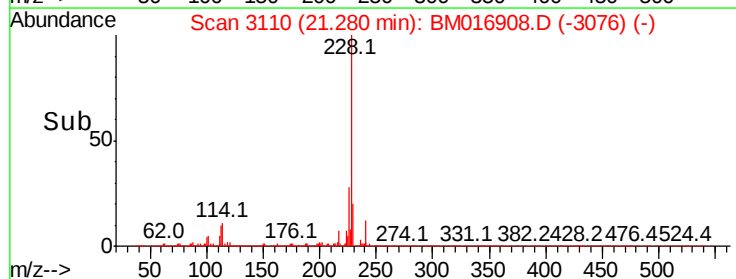
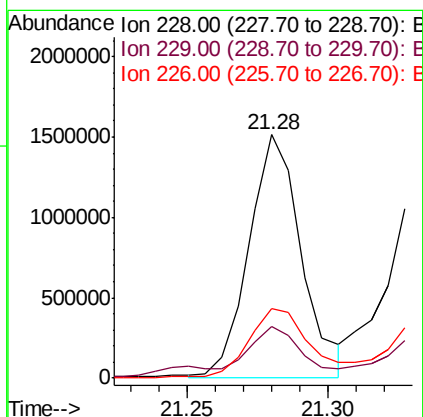
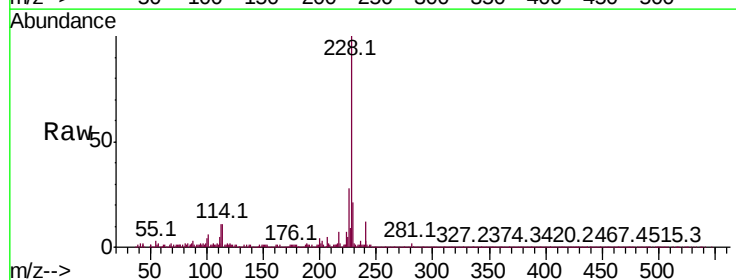
Instrument :
BNA_M
ClientSampleId :

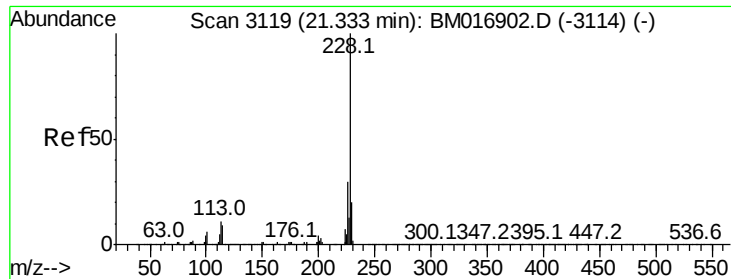
Tot Ion:202 Resp: 3697803
Ion Ratio Lower Upper
202 100
101 13.3 6.9 10.3#
100 11.0 5.6 8.4#



#83
Benzo(a)anthracene
Concen: 19.776 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BM016908.D
Acq: 26 Sep 2018 20:26

Tgt Ion:228 Resp: 1943561
Ion Ratio Lower Upper
228 100
229 21.1 16.0 24.0
226 28.4 21.8 32.8





#85

Chrysene

Concen: 19.538 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.00 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

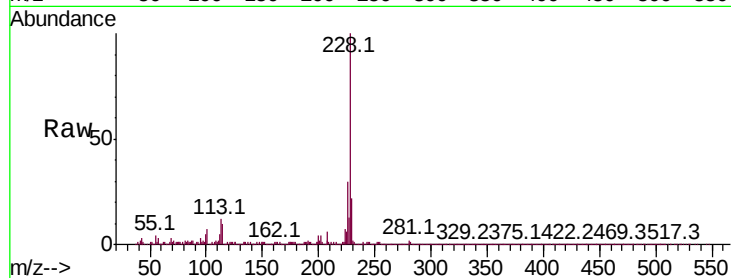
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1790713

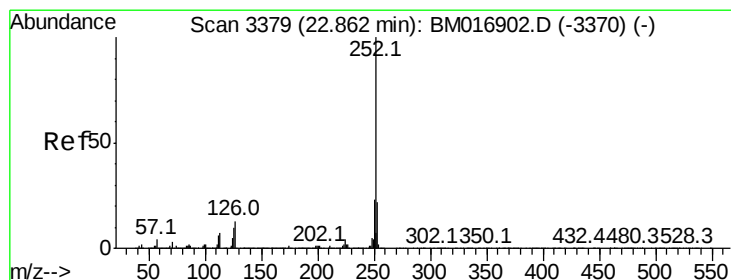
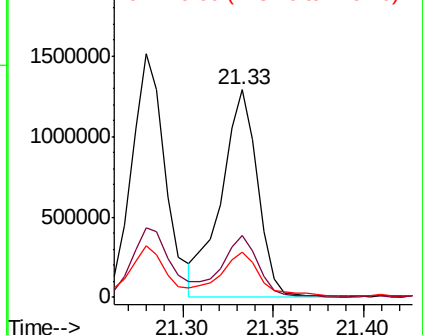
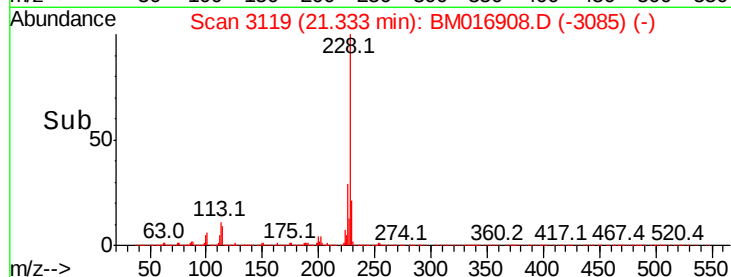
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	22.0	16.0	24.0



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



#88

Benzo(b)fluoranthene

Concen: 23.194 ng/ul

RT: 22.87 min Scan# 3380

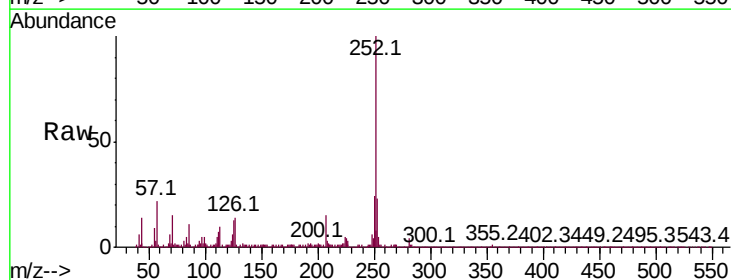
Delta R.T. 0.01 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Tgt Ion:252 Resp: 2401814

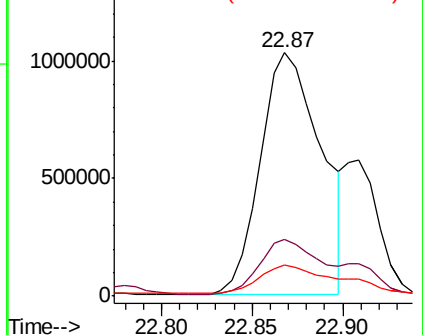
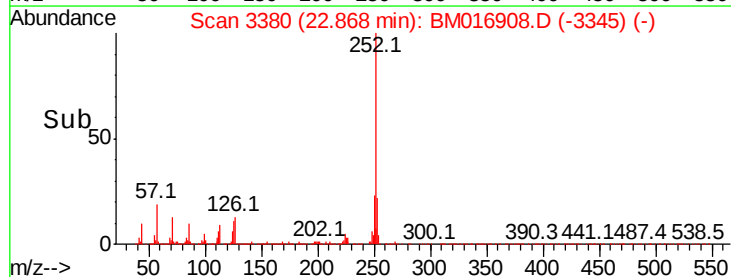
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	12.6	4.9	7.3

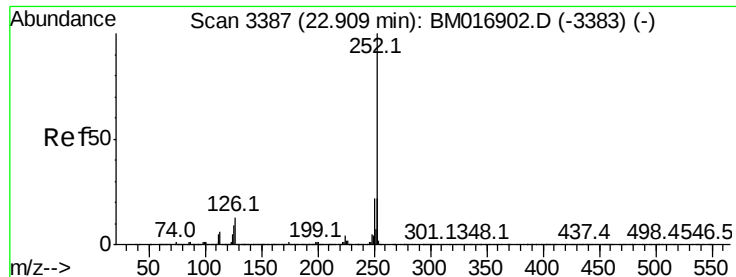


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 24.155 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. -0.04 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Instrument :

BNA_M

ClientSampleId :

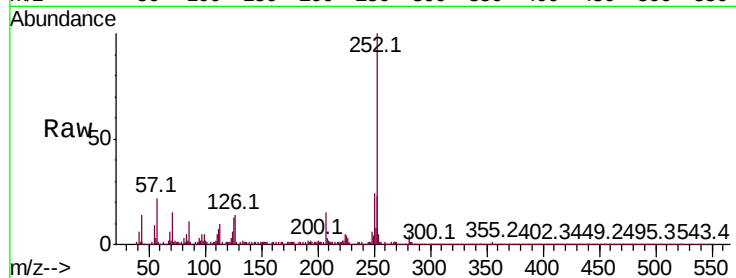
Tot Ion:252 Resp: 2401814

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

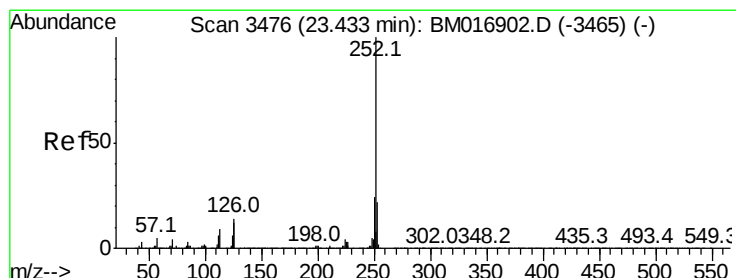
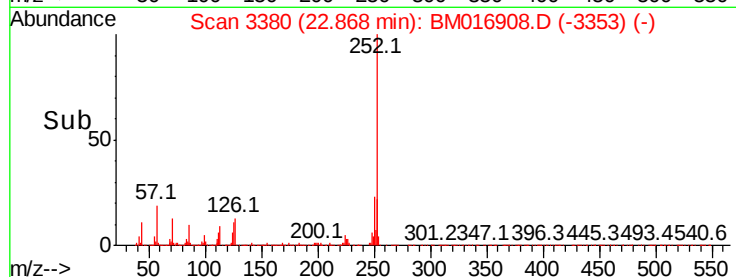
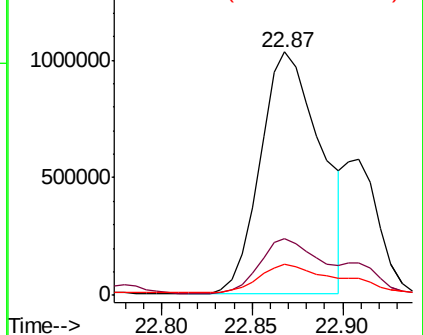
125 12.6 5.4 8.0#



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



#91

Benzo(a)pyrene

Concen: 17.698 ng/ul

RT: 23.44 min Scan# 3477

Delta R.T. 0.01 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

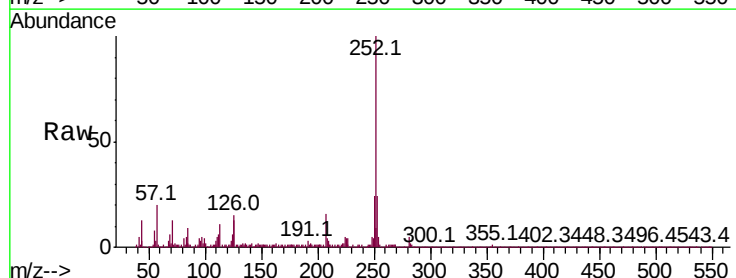
Tgt Ion:252 Resp: 1746909

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

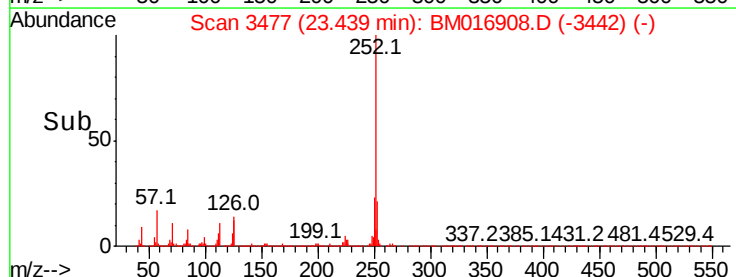
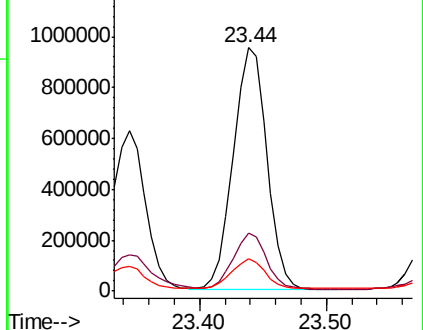
125 13.3 5.8 8.6#

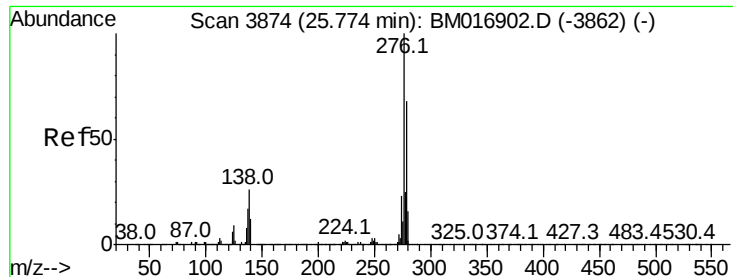


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



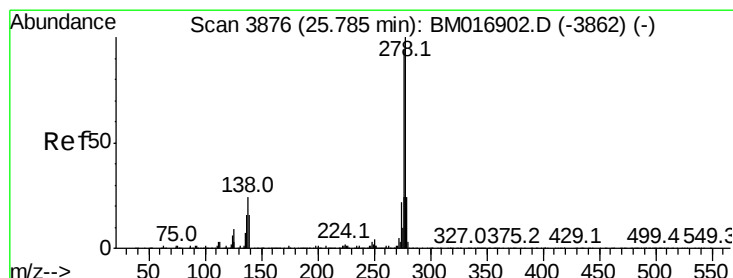
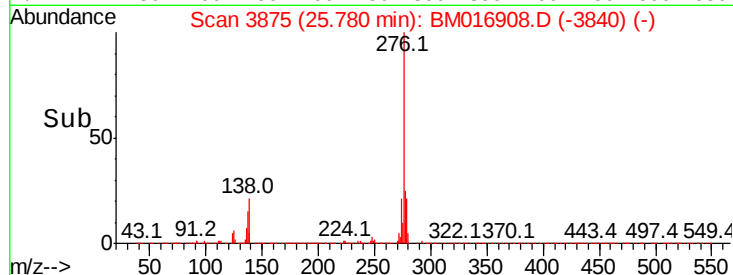
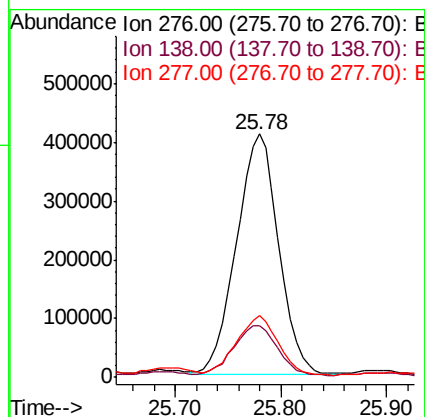
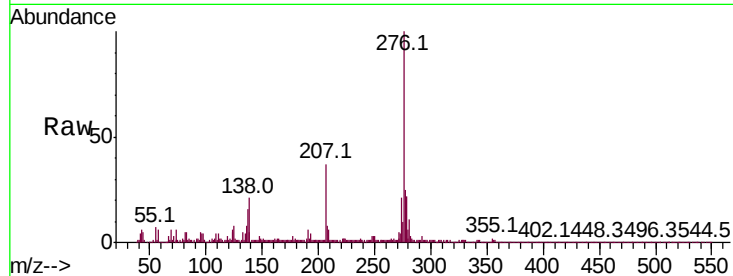


#92

Indeno(1,2,3-cd)pyrene
Concen: 9.616 ng/ul
RT: 25.78 min Scan# 3875
Delta R.T. 0.01 min
Lab File: BM016908.D
Acq: 26 Sep 2018 20:26

Instrument :
BNA_M
ClientSampleId :

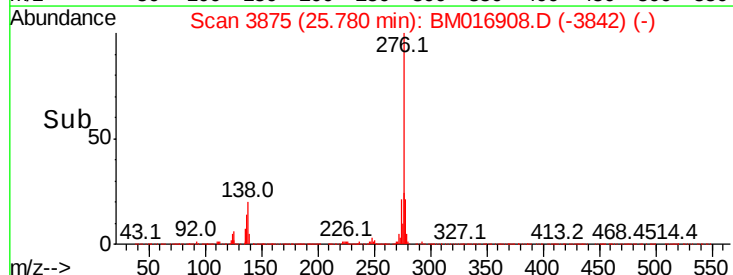
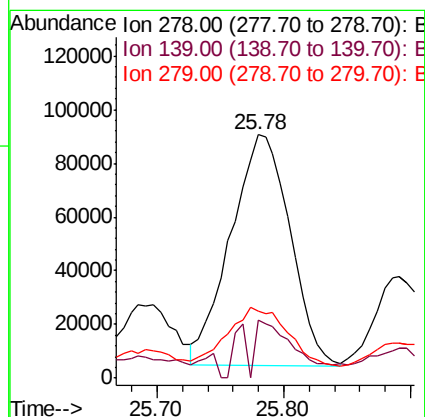
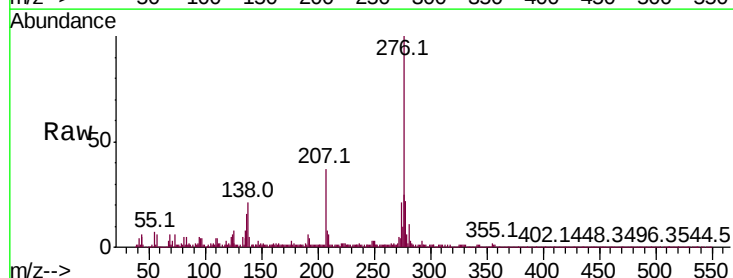
Tot Ion:276 Resp: 1132316
Ion Ratio Lower Upper
276 100
138 21.2 10.9 16.3#
277 25.2 18.9 28.3

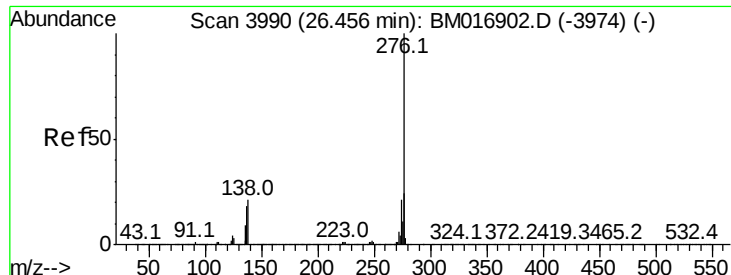


#93

Dibenzo(a,h)anthracene
Concen: 2.839 ng/ul
RT: 25.78 min Scan# 3875
Delta R.T. -0.01 min
Lab File: BM016908.D
Acq: 26 Sep 2018 20:26

Tgt Ion:278 Resp: 279597
Ion Ratio Lower Upper
278 100
139 24.0 9.0 13.4#
279 27.3 19.1 28.7





#94

Benzo(a,h,i)perylene

Concen: 10.864 ng/ul

RT: 26.47 min Scan# 3992

Delta R.T. 0.01 min

Lab File: BM016908.D

Acq: 26 Sep 2018 20:26

Instrument :

BNA_M

ClientSampleId :

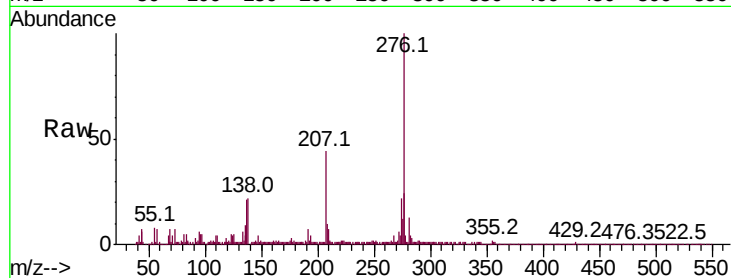
Tot Ion:276 Resp: 1060773

Ion Ratio Lower Upper

276 100

138 21.6 11.2 16.8#

277 24.4 19.0 28.6



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

