

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061016\
 Data File : BM005718.D
 Acq On : 11 Jun 2016 00:04
 Operator : UM/SJ
 Sample : SSTDICC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC020

Quant Time: Jun 11 05:17:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 05:17:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	80475	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	416524	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	262081	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	610582	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	687657	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	644332	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	14294	7.52	ng/uL	0.00
3) Phenol-d5	6.93	99	136564	19.40	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	84553	19.76	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	113290	19.46	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	118189	20.87	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	60282	18.98	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	68576	19.89	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	124371	20.33	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	177322	23.96	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	426652	20.79	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	528666	20.08	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	63418	21.40	ng/ul	0.00
21) Fluorene-d10	15.38	176	364402	20.73	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	60388	20.38	ng/ul	0.00
26) Anthracene-d10	17.23	188	576169	19.89	ng/ul	0.00
30) Pyrene-d10	19.53	212	638354	18.70	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	588564	19.84	ng/ul	0.00

Target Compounds

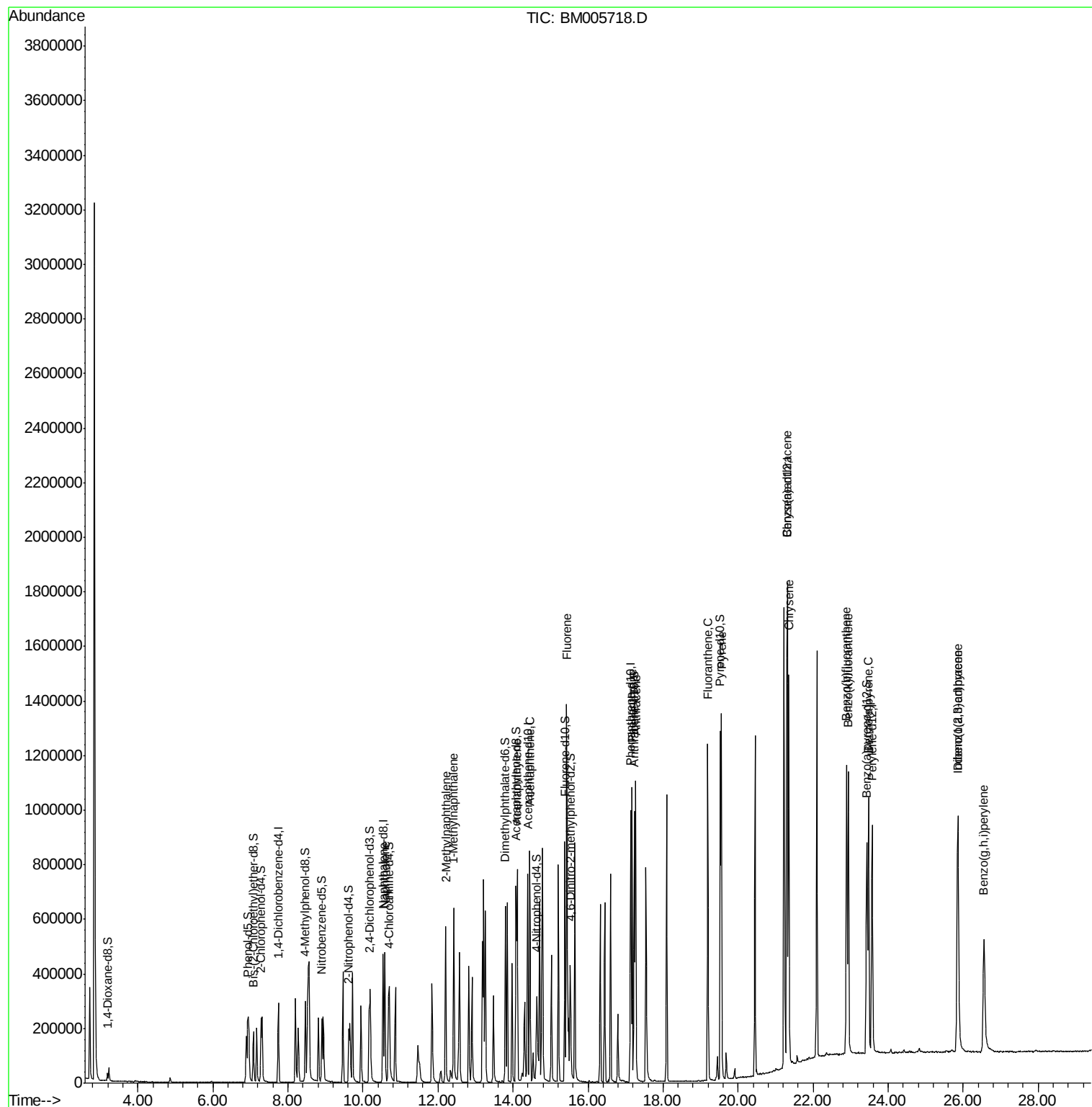
						Qvalue
11) Naphthalene	10.59	128	408828	19.36	ng/ul	100
13) 2-Methylnaphthalene	12.20	142	309392	20.70	ng/ul	100
14) 1-Methylnaphthalene	12.42	142	306393	20.81	ng/ul	99
18) Acenaphthylene	14.11	152	537294	19.82	ng/ul	99
19) Acenaphthene	14.45	153	349033	19.79	ng/ul	98
22) Fluorene	15.44	166	403402	20.90	ng/ul	99
25) Phenanthrene	17.17	178	665061	19.72	ng/ul	100
27) Anthracene	17.27	178	693778	20.23	ng/ul	100
28) Fluoranthene	19.19	202	788183	22.23	ng/ul	100
31) Pyrene	19.56	202	818951	19.02	ng/ul	99
32) Benzo(a)anthracene	21.30	228	786547	19.58	ng/ul	100
33) Chrysene	21.36	228	782273	20.32	ng/ul	99
35) Benzo(b)fluoranthene	22.89	252	767809	19.82	ng/ul	99
36) Benzo(k)fluoranthene	22.94	252	764396	20.67	ng/ul	99
38) Benzo(a)pyrene	23.47	252	741315	19.95	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.85	276	717258	16.89	ng/ul	98
40) Dibenzo(a,h)anthracene	25.86	278	599912	16.87	ng/ul	99
41) Benzo(g,h,i)perylene	26.56	276	582309	16.36	ng/ul	99

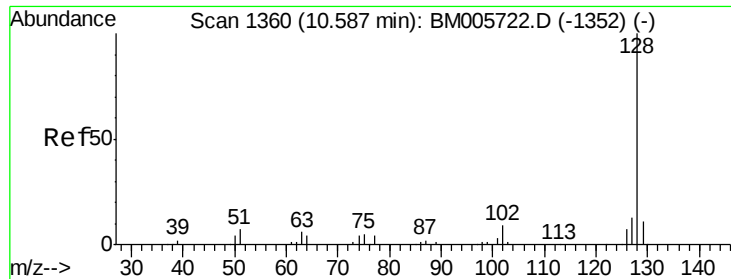
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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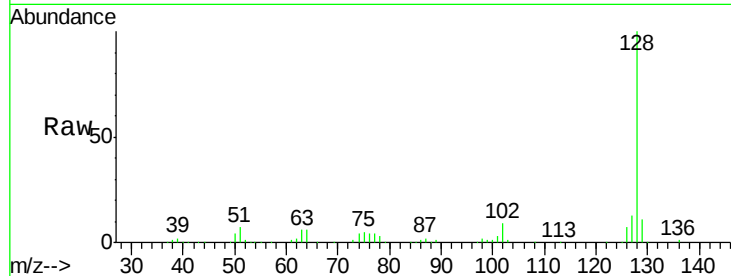




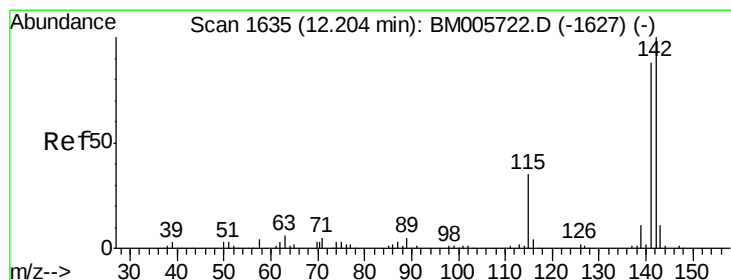
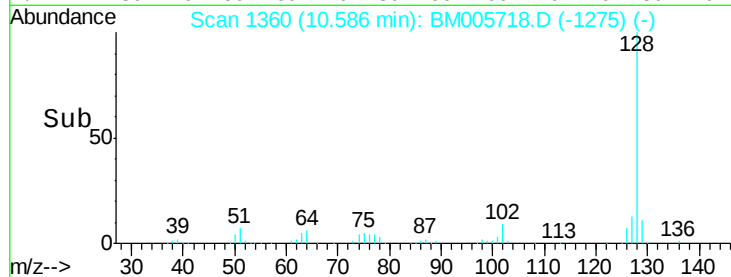
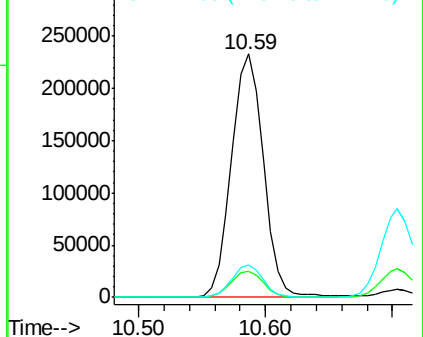
#11
Naphthalene
Concen: 19.36 ng/ul
RT: 10.59 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BM005718.D
Acq: 11 Jun 2016 00:04

Instrument :
BNA_M
ClientSampleId :
SSTDCCC020

Tgt Ion:128 Resp: 408828
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.3 15.5

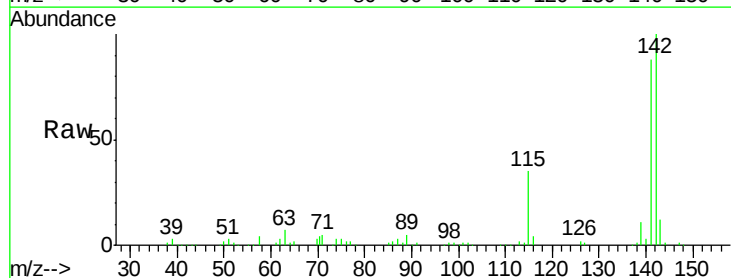


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

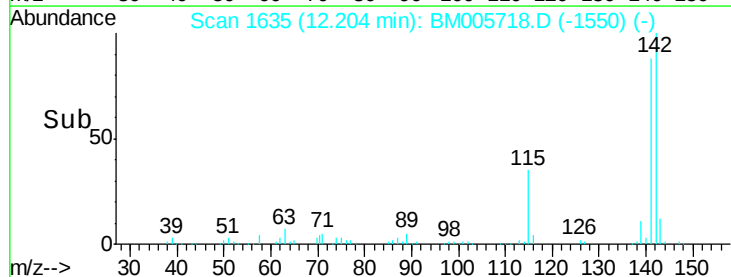
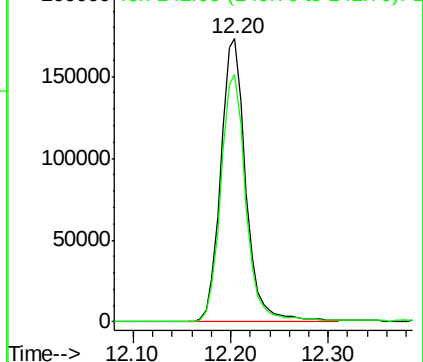


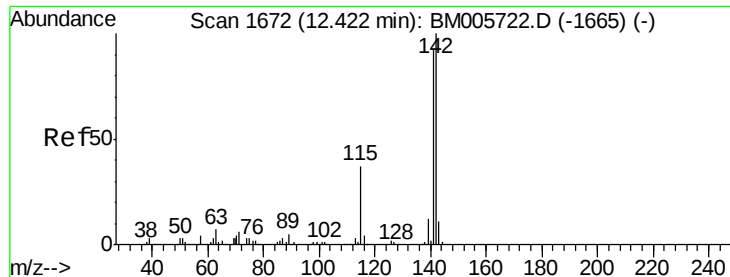
#13
2-Methylnaphthalene
Concen: 20.70 ng/ul
RT: 12.20 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BM005718.D
Acq: 11 Jun 2016 00:04

Tgt Ion:142 Resp: 309392
Ion Ratio Lower Upper
142 100
141 87.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

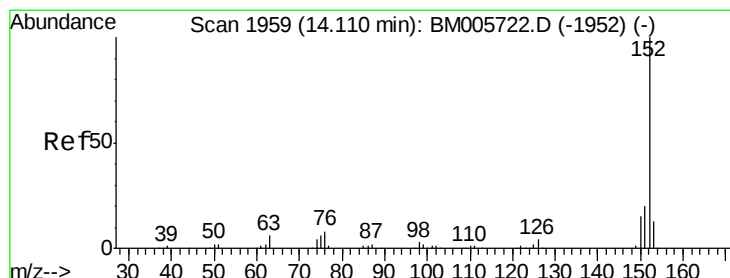
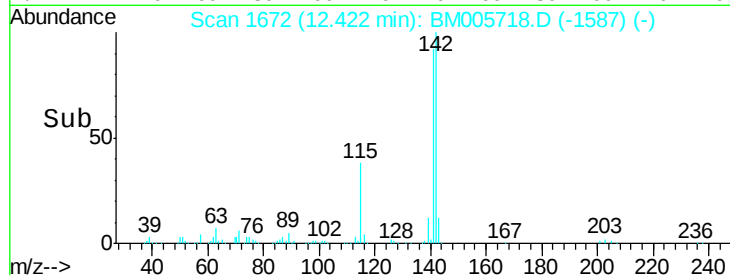
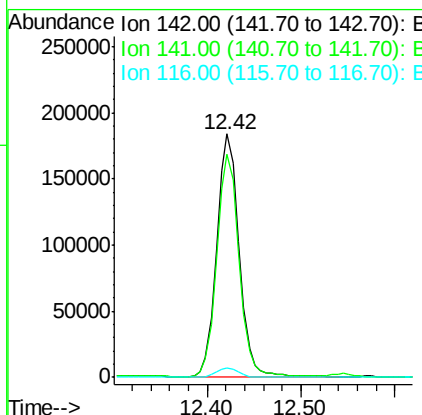
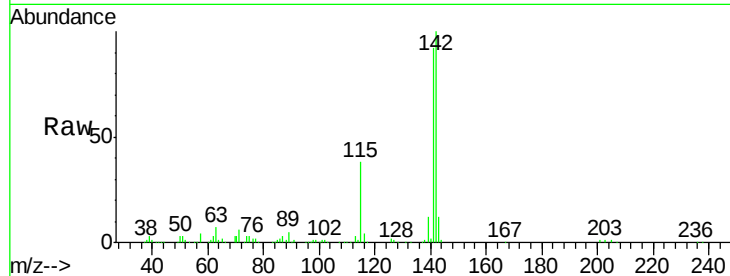




#14
1-Methylnaphthalene
Concen: 20.81 ng/ul
RT: 12.42 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BM005718.D
Acq: 11 Jun 2016 00:04

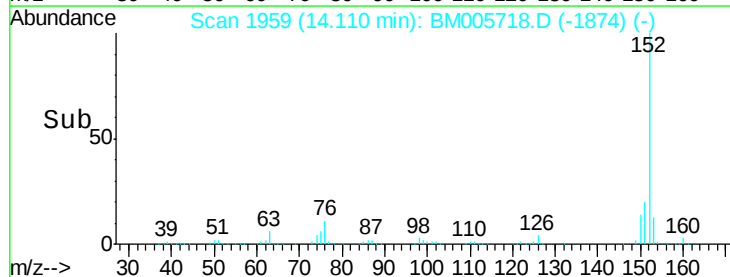
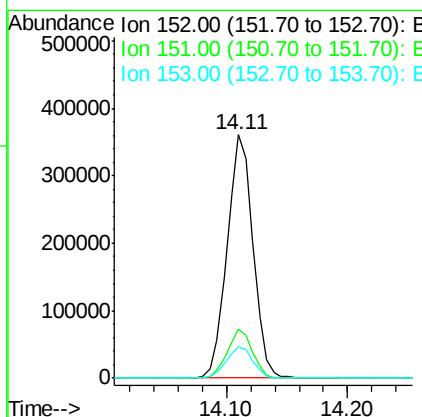
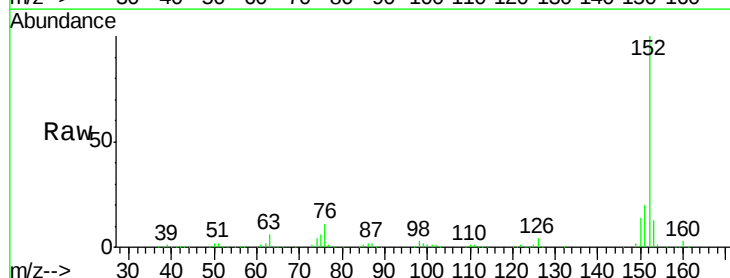
Instrument :
BNA_M
ClientSampleId :
SSTDCCC020

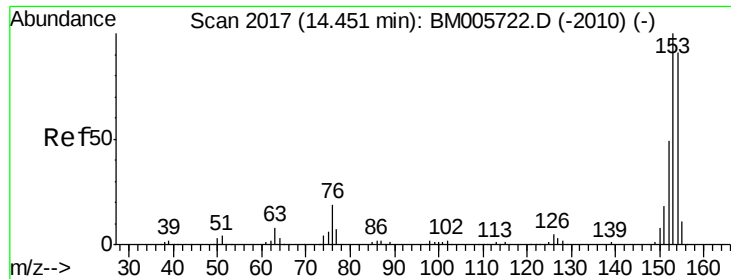
Tgt Ion:142 Resp: 306393
Ion Ratio Lower Upper
142 100
141 91.8 74.6 111.8
116 4.0 3.0 4.6



#18
Acenaphthylene
Concen: 19.82 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BM005718.D
Acq: 11 Jun 2016 00:04

Tgt Ion:152 Resp: 537294
Ion Ratio Lower Upper
152 100
151 20.0 16.3 24.5
153 12.9 10.4 15.6





#19

Acenaphthene

Concen: 19.79 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC020

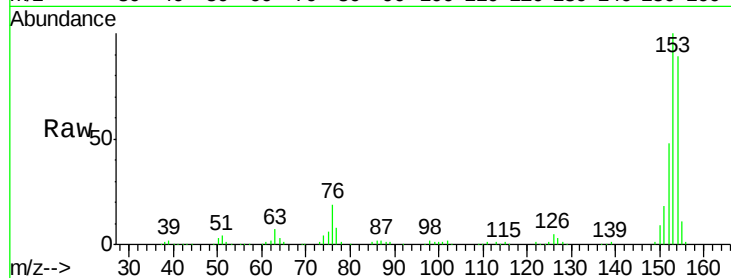
Tgt Ion:153 Resp: 349033

Ion Ratio Lower Upper

153 100

152 47.6 38.8 58.2

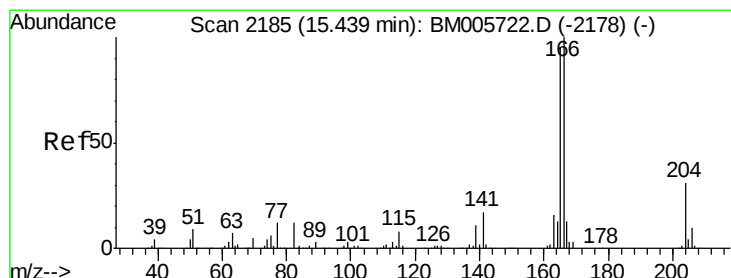
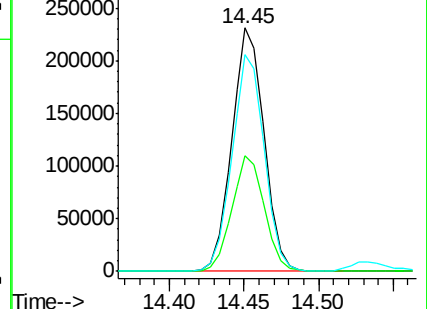
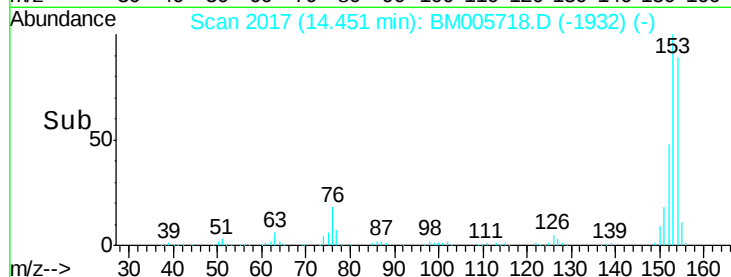
154 89.0 72.5 108.7



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#22

Fluorene

Concen: 20.90 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

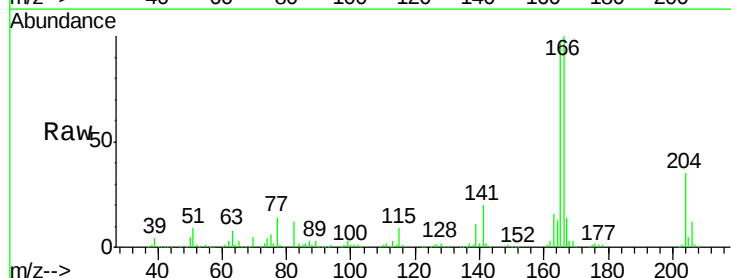
Tgt Ion:166 Resp: 403402

Ion Ratio Lower Upper

166 100

165 96.8 76.4 114.6

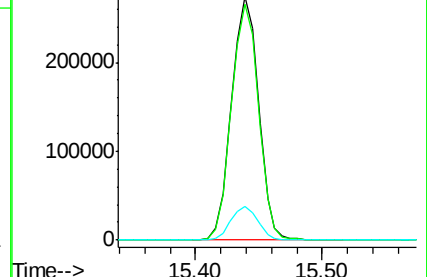
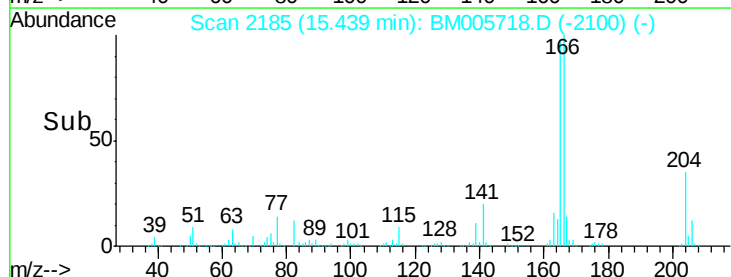
167 13.9 10.6 16.0

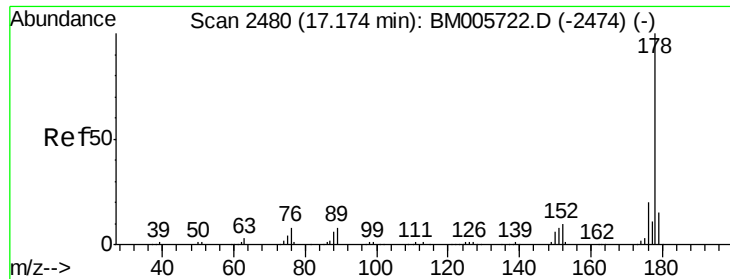


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.72 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC020

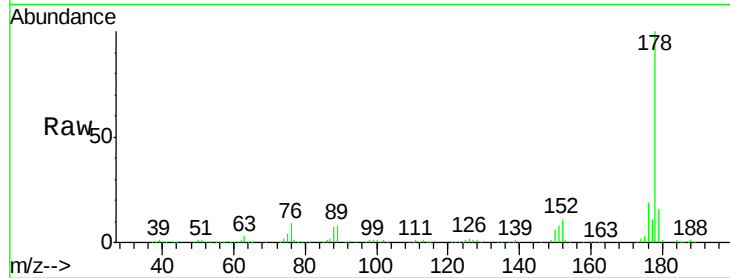
Tgt Ion:178 Resp: 665061

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

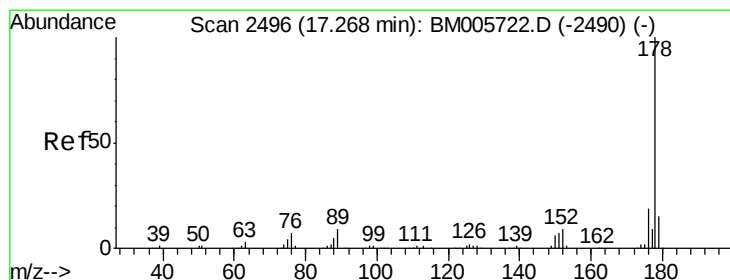
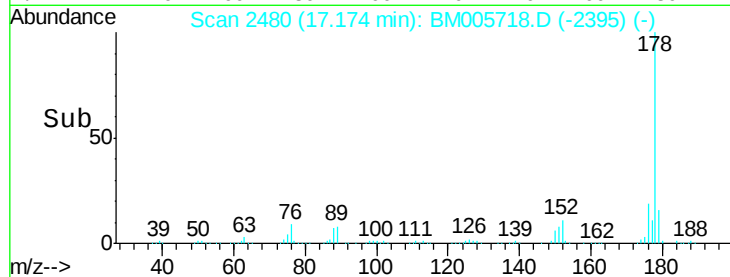
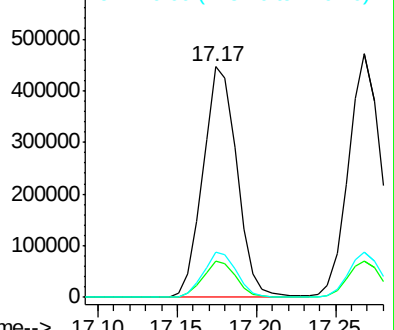
176 19.4 15.8 23.6



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



#27

Anthracene

Concen: 20.23 ng/ul

RT: 17.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

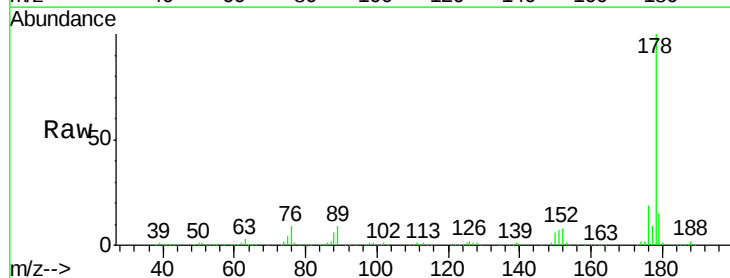
Tgt Ion:178 Resp: 693778

Ion Ratio Lower Upper

178 100

179 14.9 12.1 18.1

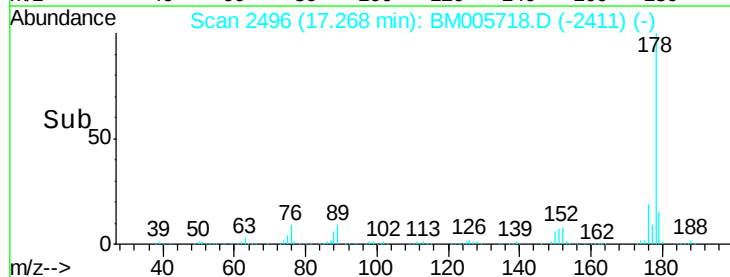
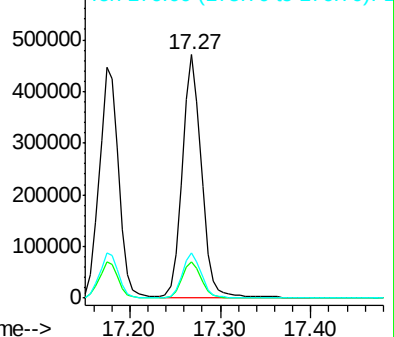
176 18.7 15.0 22.6

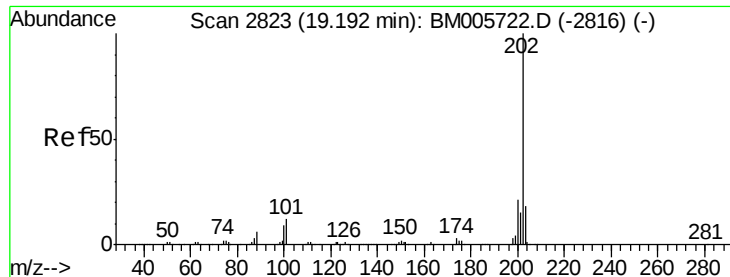


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

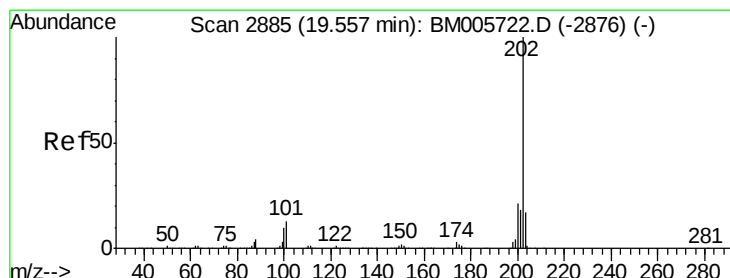
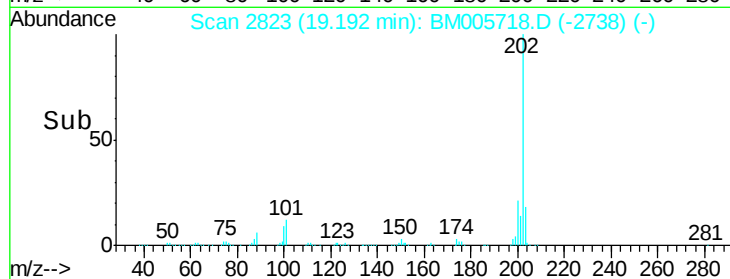
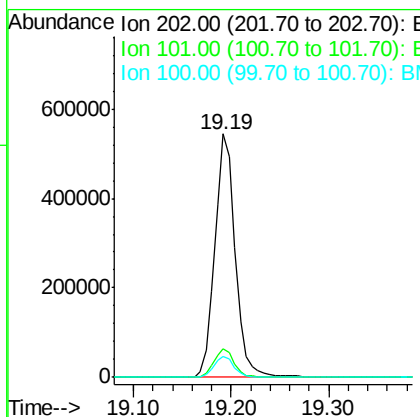
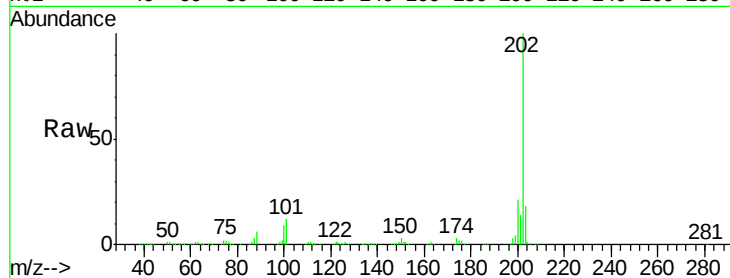




#28
Fluoranthene
Concen: 22.23 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.00 min
Lab File: BM005718.D
Acq: 11 Jun 2016 00:04

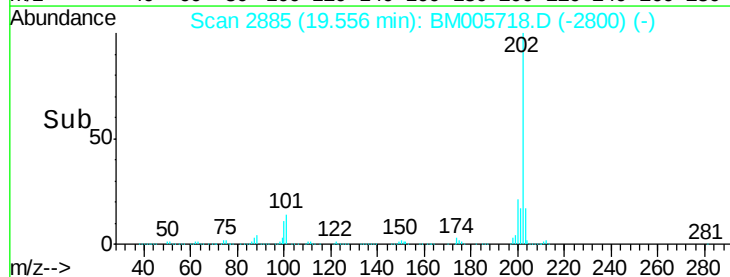
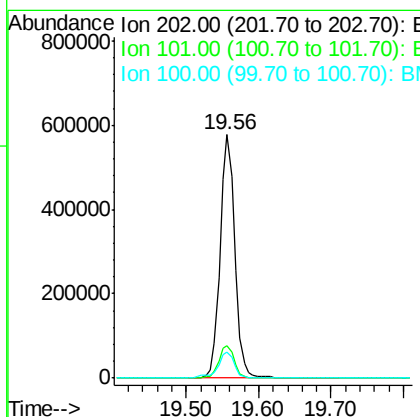
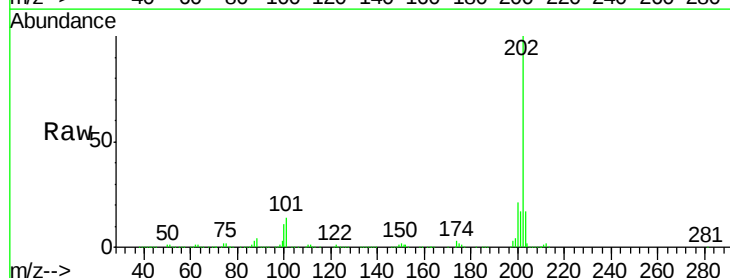
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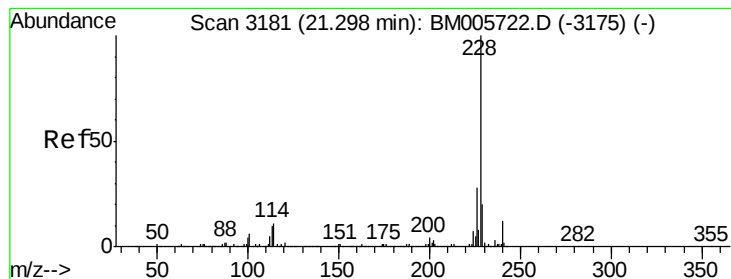
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.2
100	8.8	6.9	10.3



#31
Pyrene
Concen: 19.02 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. -0.00 min
Lab File: BM005718.D
Acq: 11 Jun 2016 00:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.6	15.8
100	10.8	8.4	12.6





#32

Benzo(a)anthracene

Concen: 19.58 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

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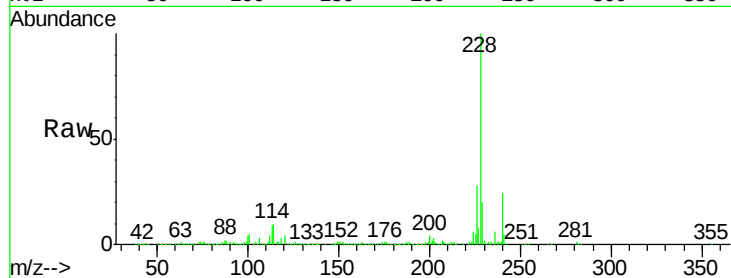
Tgt Ion:228 Resp: 786547

Ion Ratio Lower Upper

228 100

229 19.7 16.1 24.1

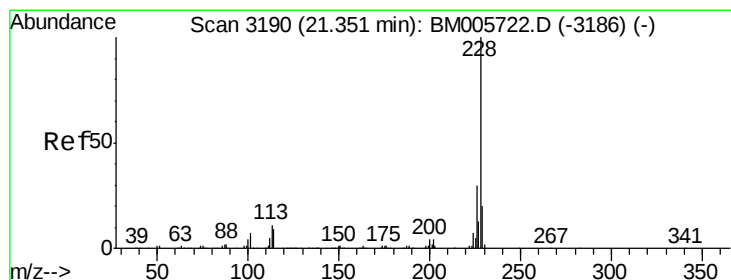
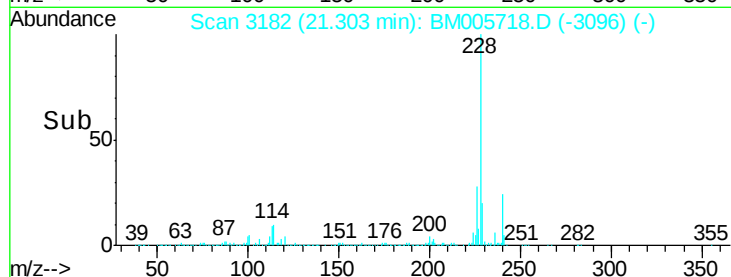
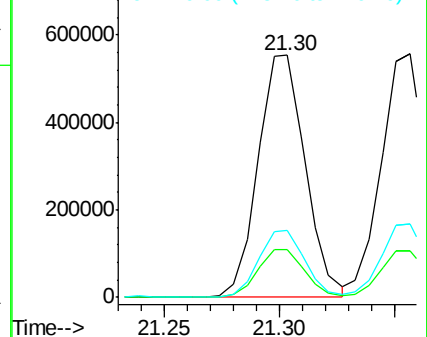
226 27.6 22.1 33.1



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



#33

Chrysene

Concen: 20.32 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

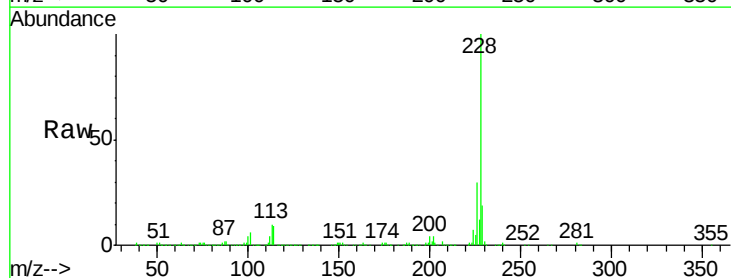
Tgt Ion:228 Resp: 782273

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.2

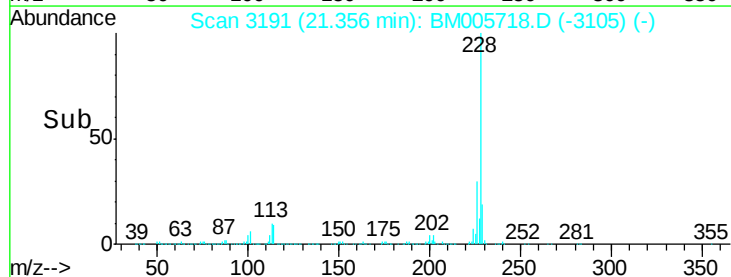
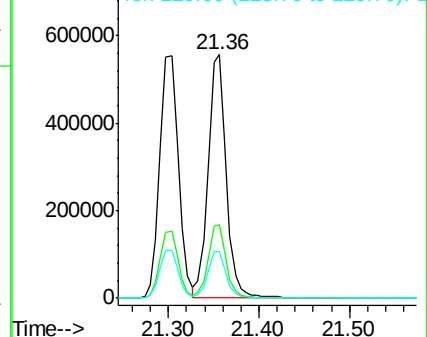
229 19.3 15.8 23.8

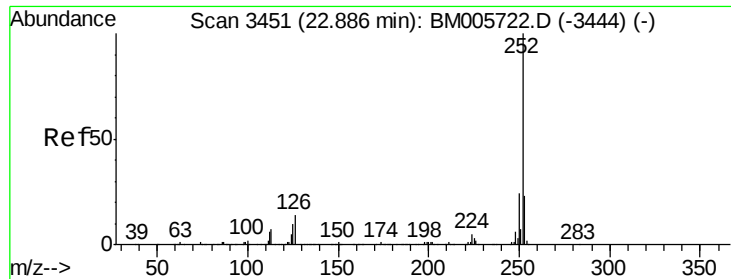


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 19.82 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC020

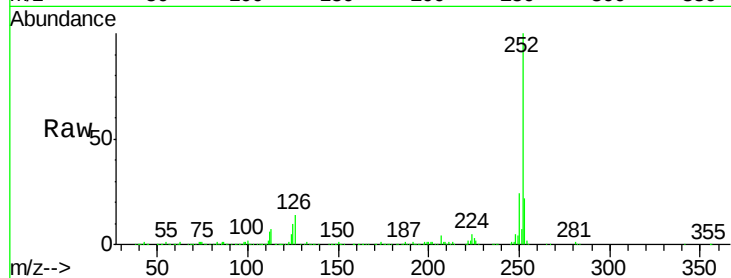
Tgt Ion:252 Resp: 767809

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

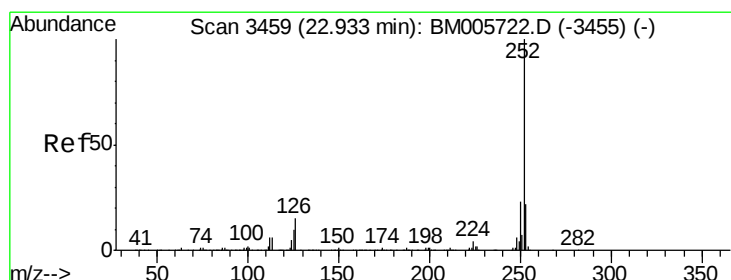
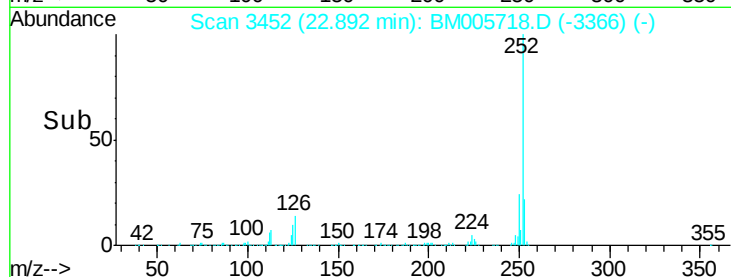
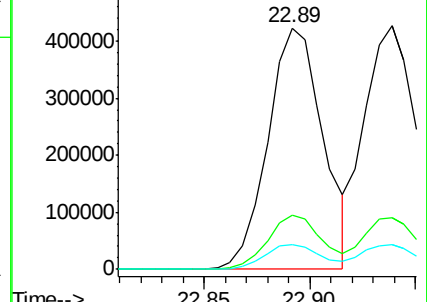
125 10.5 8.4 12.6



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



#36

Benzo(k)fluoranthene

Concen: 20.67 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

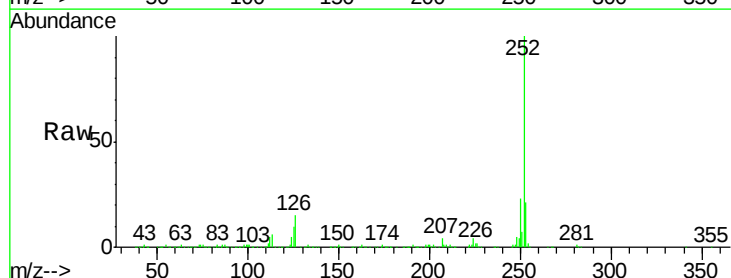
Tgt Ion:252 Resp: 764396

Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

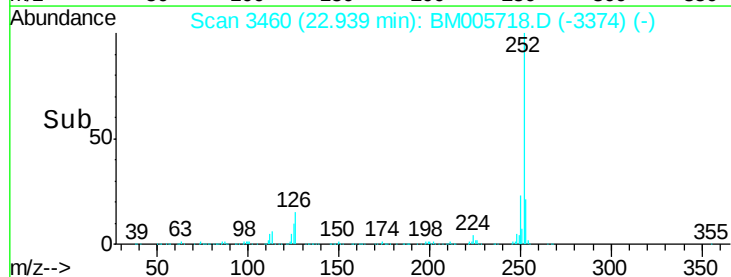
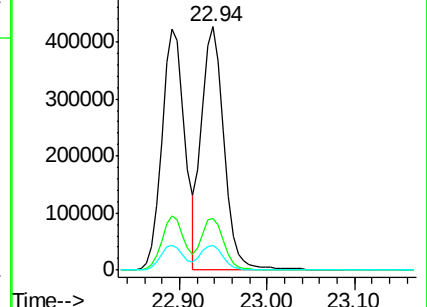
125 9.9 8.2 12.2

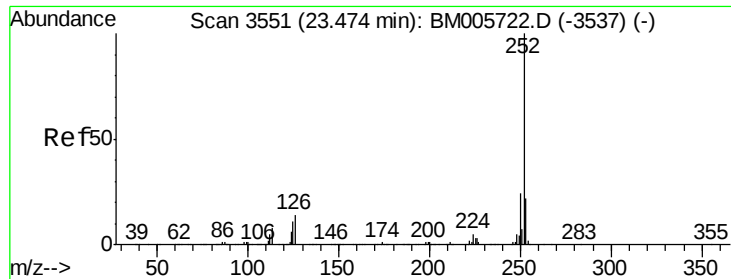


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.95 ng/u1

RT: 23.47 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC020

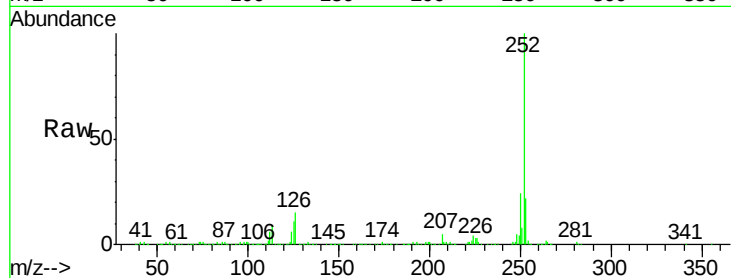
Tgt Ion:252 Resp: 741315

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

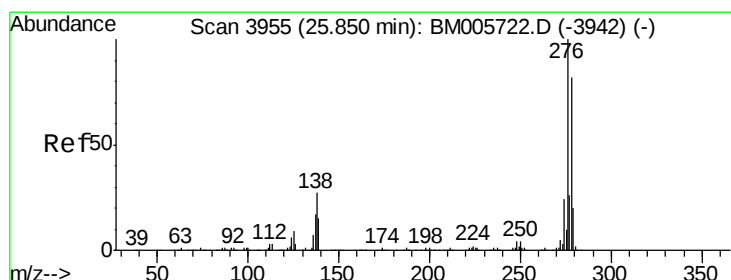
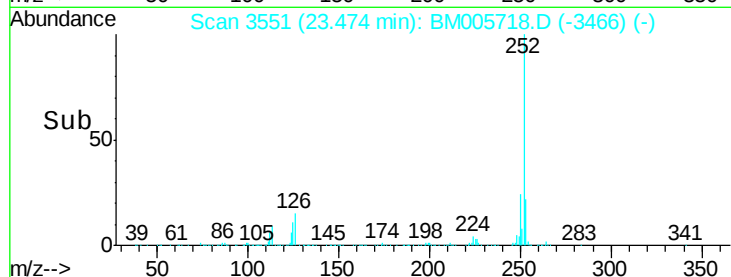
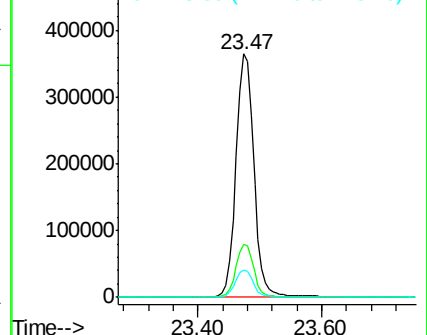
125 11.1 9.1 13.7



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 16.89 ng/u1

RT: 25.85 min Scan# 3955

Delta R.T. -0.00 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

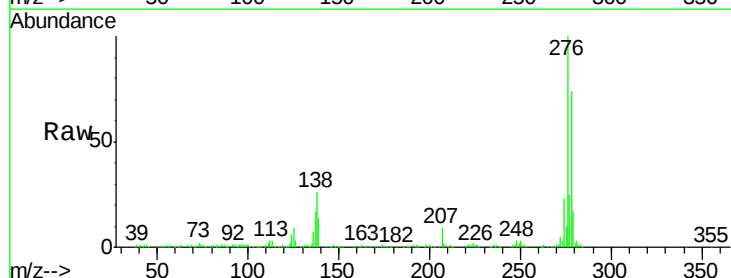
Tgt Ion:276 Resp: 717258

Ion Ratio Lower Upper

276 100

138 25.6 21.4 32.2

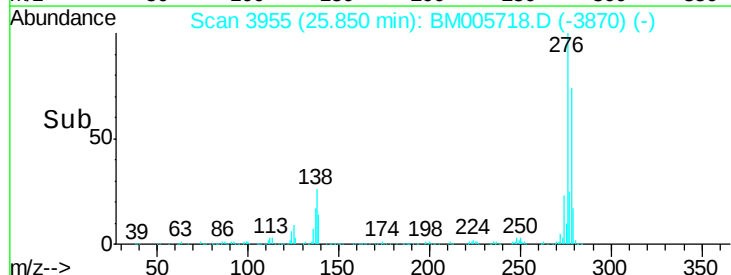
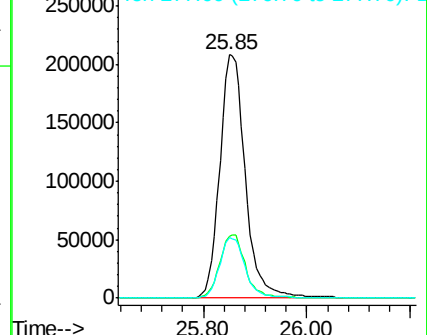
277 24.7 20.5 30.7

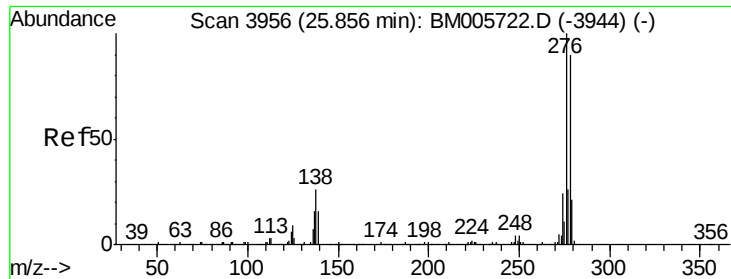


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 16.87 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

Instrument :

BNA_M

ClientSampleId :

SSTDCCC020

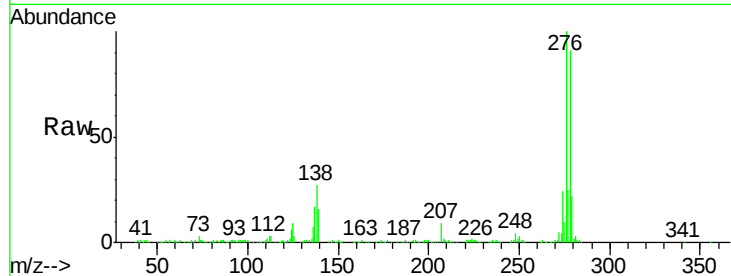
Tgt Ion:278 Resp: 599912

Ion Ratio Lower Upper

278 100

139 17.3 14.2 21.4

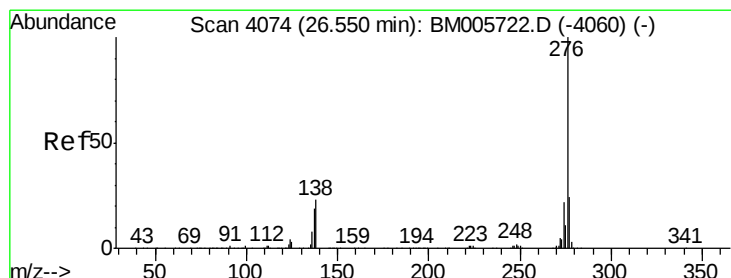
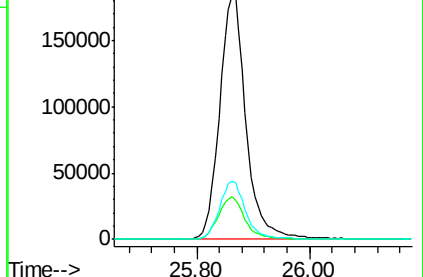
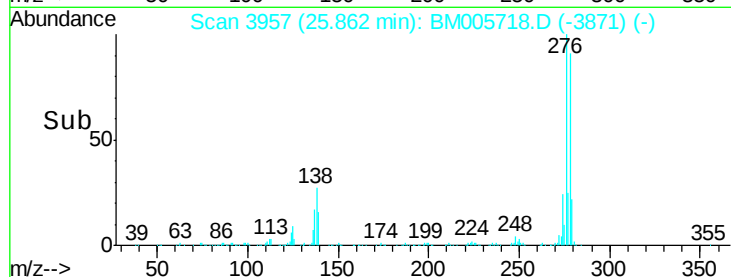
279 23.7 18.8 28.2



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



#41

Benzo(g,h,i)perylene

Concen: 16.36 ng/ul

RT: 26.56 min Scan# 4076

Delta R.T. 0.01 min

Lab File: BM005718.D

Acq: 11 Jun 2016 00:04

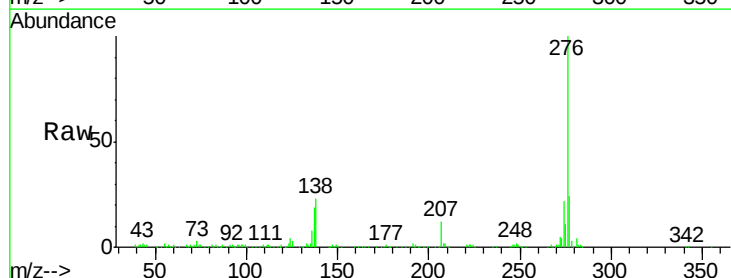
Tgt Ion:276 Resp: 582309

Ion Ratio Lower Upper

276 100

138 22.5 18.2 27.4

277 24.0 19.5 29.3



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

