

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006178.D
 Acq On : 01 Jul 2016 12:26
 Operator : UM/SJ
 Sample : H3780-05MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4MSD

Quant Time: Jul 01 17:32:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	385201	20.00	ng/ul	0.00
7) Naphthalene-d8	10.45	136	1750209	20.00	ng/ul	0.01
15) Acenaphthene-d10	14.32	164	985232	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.07	188	2092282	20.00	ng/ul	0.02
29) Chrysene-d12	21.27	240	1382892	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1566996	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9892	1.19	ng/uL	0.00
3) Phenol-d5	6.85	99	641272	20.38	ng/ul	0.02
4) Bis-(2-Chloroethyl)ether-d	7.00	67	375684	20.25	ng/ul	0.00
5) 2-Chlorophenol-d4	7.20	132	483982	20.04	ng/ul	0.01
6) 4-Methylphenol-d8	8.37	113	526898	20.80	ng/ul	0.01
8) Nitrobenzene-d5	8.82	128	252607	21.43	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	292635	21.69	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	518997	21.08	ng/ul	0.02
12) 4-Chloroaniline-d4	10.59	131	374685	19.26	ng/ul	0.01
16) Dimethylphthalate-d6	13.73	166	1547110	21.91	ng/ul	0.01
17) Acenaphthylene-d8	14.00	160	1963745	22.91	ng/ul	0.01
20) 4-Nitrophenol-d4	14.54	143	292568	21.83	ng/ul	0.03
21) Fluorene-d10	15.31	176	1338589	22.21	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.45	200	232724	31.40	ng/ul	0.02
26) Anthracene-d10	17.17	188	1948894	23.22	ng/ul	0.02
30) Pyrene-d10	19.47	212	1721511	30.91	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1462876	23.46	ng/ul	0.04

Target Compounds

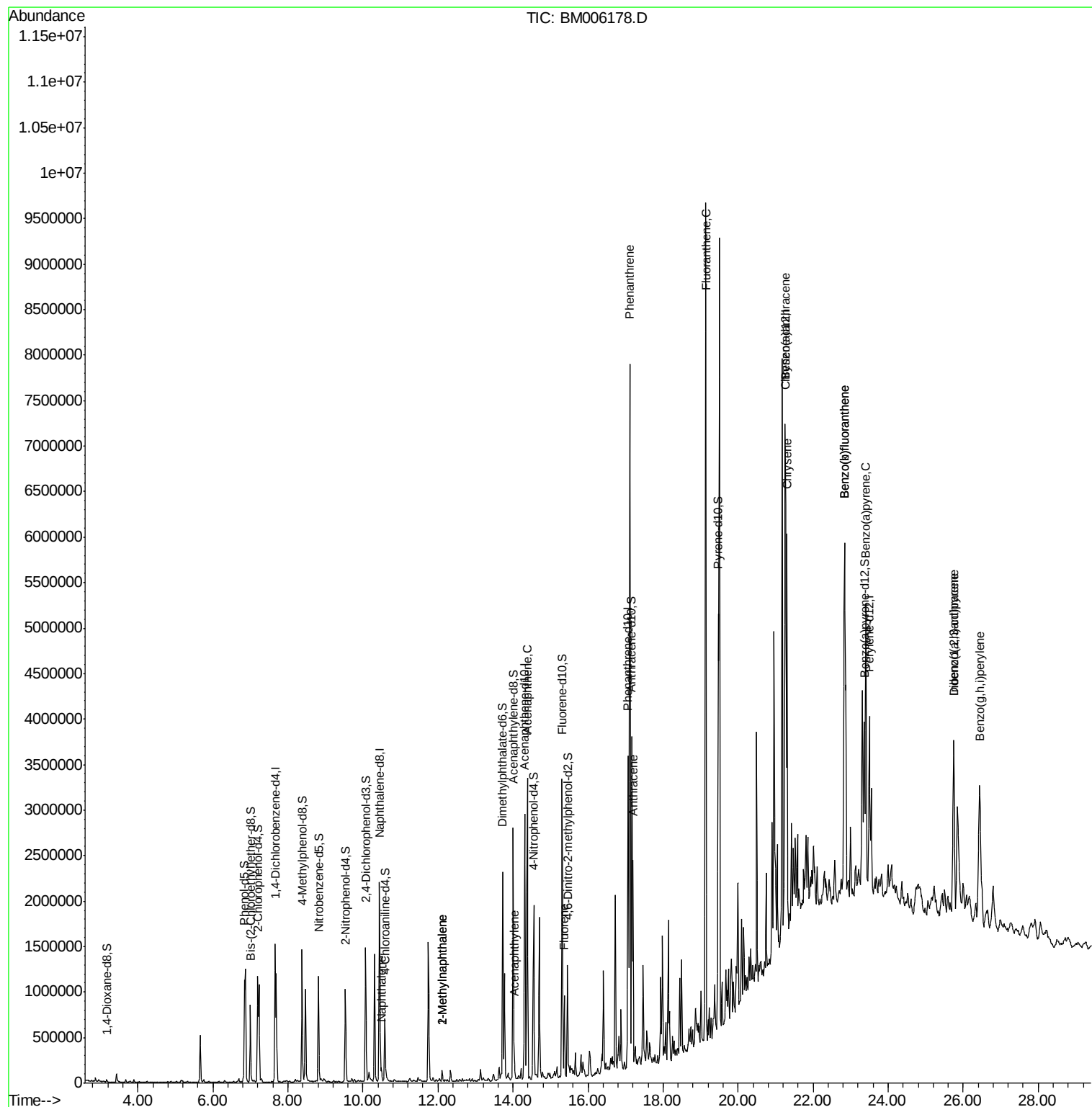
						Qvalue
11) Naphthalene	10.49	128	106089	1.38	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	60758	1.04	ng/ul	98
14) 1-Methylnaphthalene	12.11	142	60758	1.10	ng/ul	93
18) Acenaphthylene	14.03	152	139054	1.55	ng/ul	97
19) Acenaphthene	14.38	153	1351724	23.60	ng/ul	100
22) Fluorene	15.37	166	391202	6.00	ng/ul	99
25) Phenanthrene	17.12	178	5195150	52.47	ng/ul	99
27) Anthracene	17.20	178	1375921	13.52	ng/ul	100
28) Fluoranthene	19.14	202	6947589	57.29	ng/ul	96
32) Benzo(a)anthracene	21.25	228	2850369	39.64	ng/ul	98
33) Chrysene	21.30	228	2804408	42.36	ng/ul	96
35) Benzo(b)fluoranthene	22.84	252	3664904	45.07	ng/ul	98
36) Benzo(k)fluoranthene	22.84	252	3664904	48.04	ng/ul	98
38) Benzo(a)pyrene	23.41	252	2493718	32.46	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.75	276	1989652	24.91	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.75	278	523541	7.92	ng/ul#	90
41) Benzo(g,h,i)perylene	26.44	276	1852151	27.71	ng/ul	97

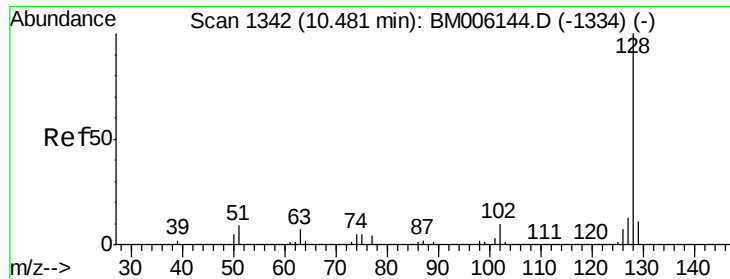
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
Data File : BM006178.D
Acq On : 01 Jul 2016 12:26
Operator : UM/SJ
Sample : H3780-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

Quant Time: Jul 01 17:32:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration

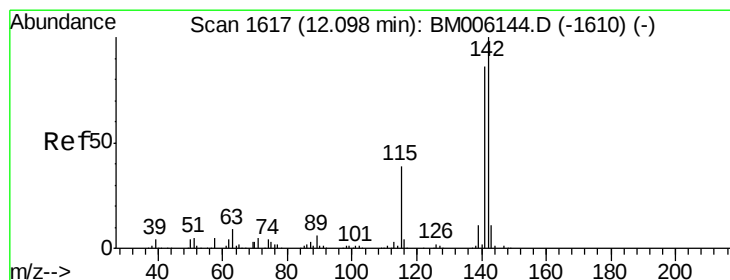
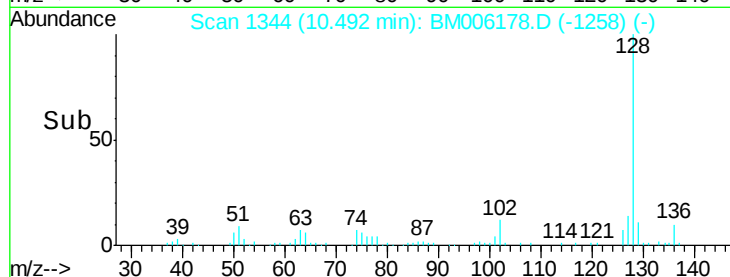
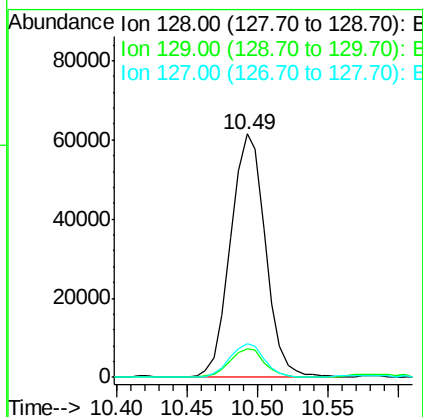
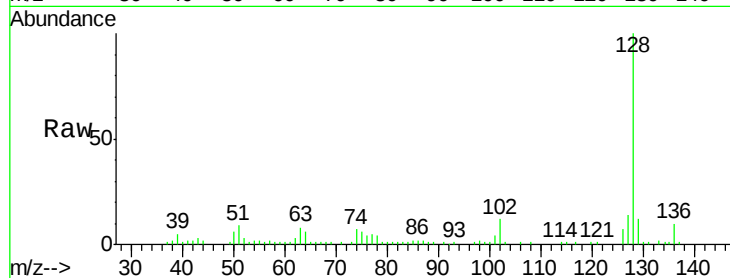




#11
Naphthalene
Concen: 1.38 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006178.D
Acq: 01 Jul 2016 12:26

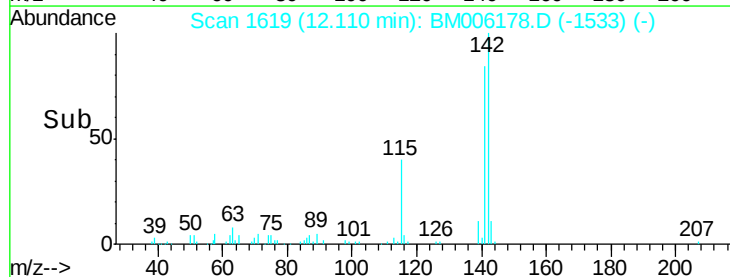
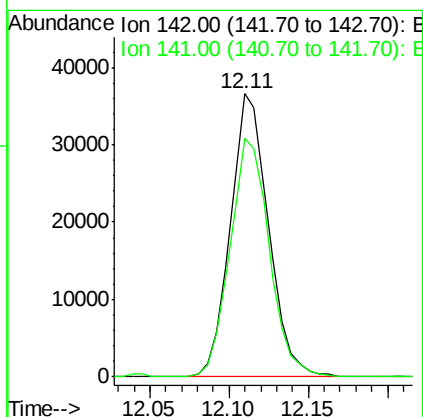
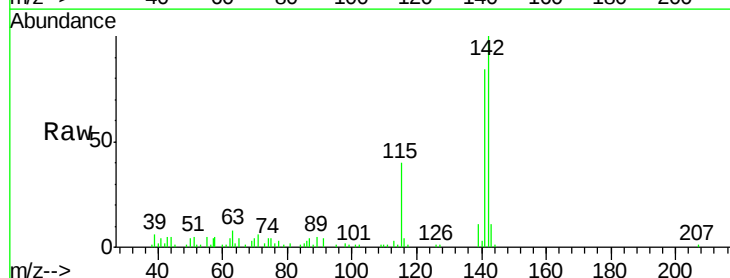
Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

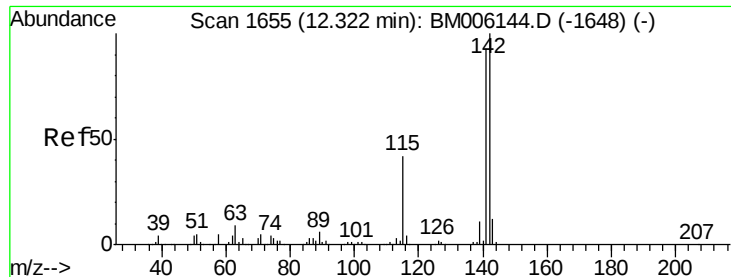
Tgt Ion:128 Resp: 106089
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.7 10.5 15.7



#13
2-Methylnaphthalene
Concen: 1.04 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006178.D
Acq: 01 Jul 2016 12:26

Tgt Ion:142 Resp: 60758
Ion Ratio Lower Upper
142 100
141 84.2 69.0 103.6

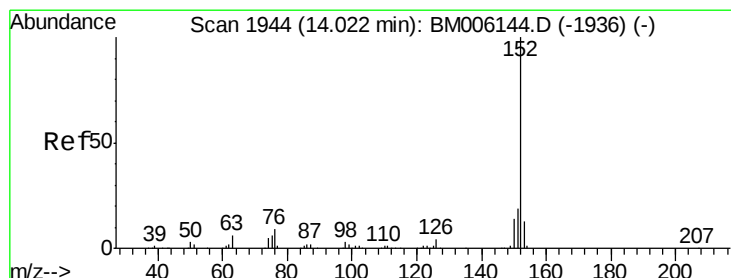
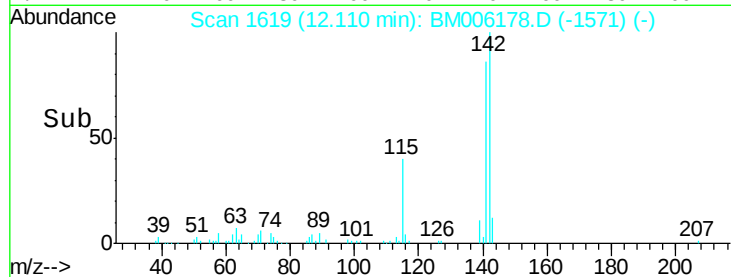
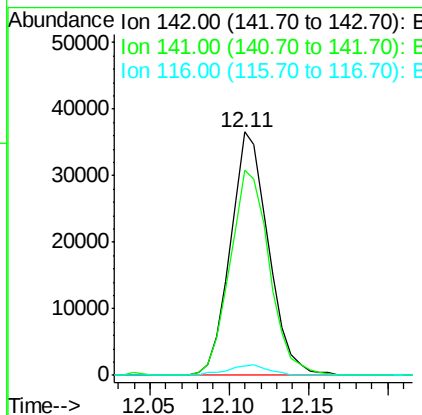
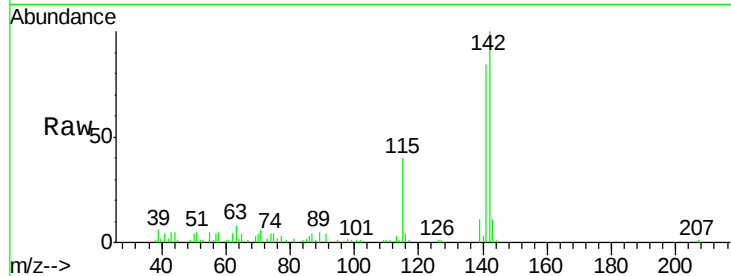




#14
1-Methylnaphthalene
Concen: 1.10 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. -0.22 min
Lab File: BM006178.D
Acq: 01 Jul 2016 12:26

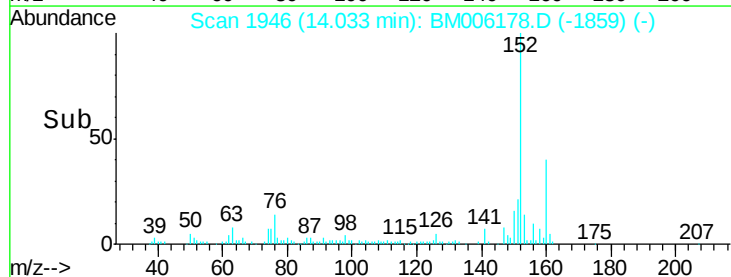
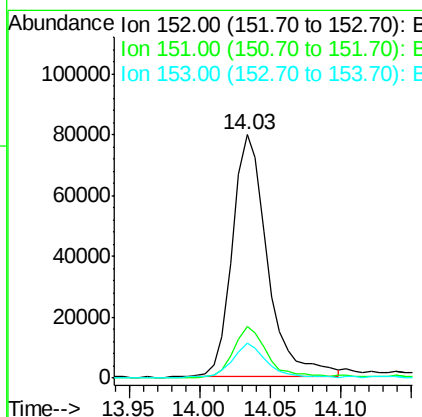
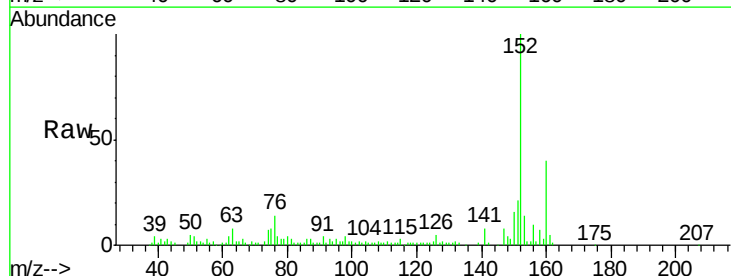
Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

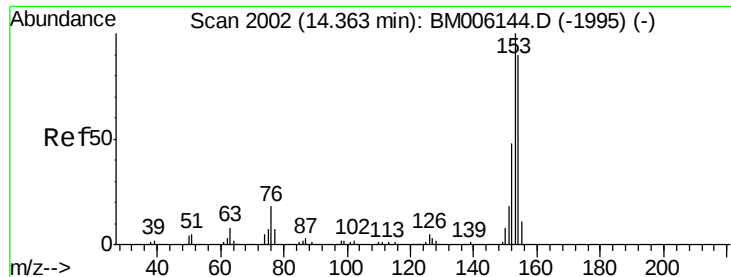
Tgt Ion:142 Resp: 60758
Ion Ratio Lower Upper
142 100
141 84.2 73.0 109.4
116 4.0 3.0 4.6



#18
Acenaphthylene
Concen: 1.55 ng/ul
RT: 14.03 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BM006178.D
Acq: 01 Jul 2016 12:26

Tgt Ion:152 Resp: 139054
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 14.4 10.3 15.5





#19

Acenaphthene

Concen: 23.60 ng/ul

RT: 14.38 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

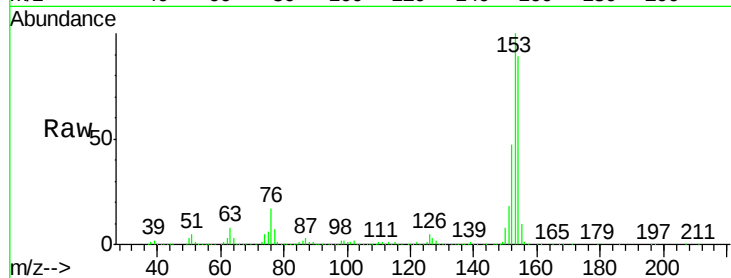
Tgt Ion:153 Resp: 1351724

Ion Ratio Lower Upper

153 100

152 47.1 38.1 57.1

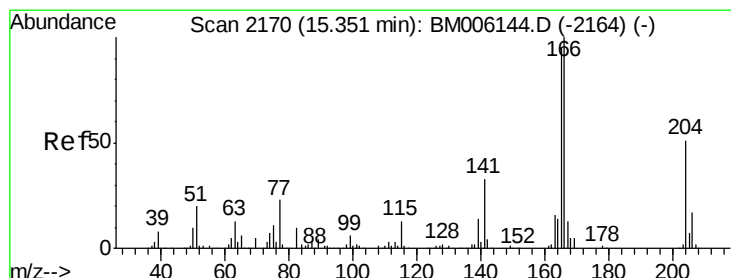
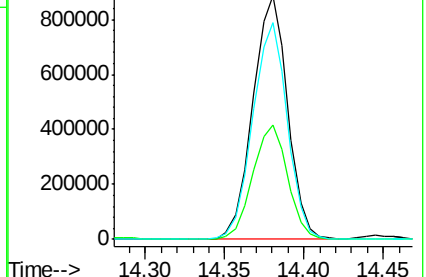
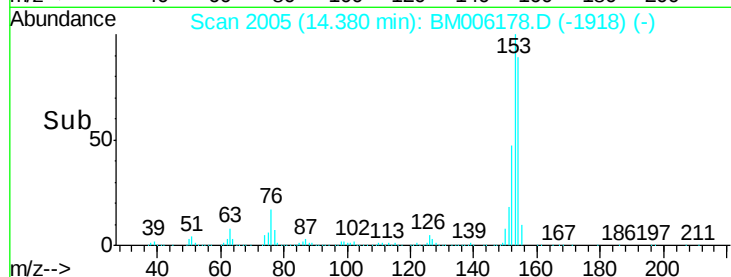
154 89.3 71.6 107.4



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: 6.00 ng/ul

RT: 15.37 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

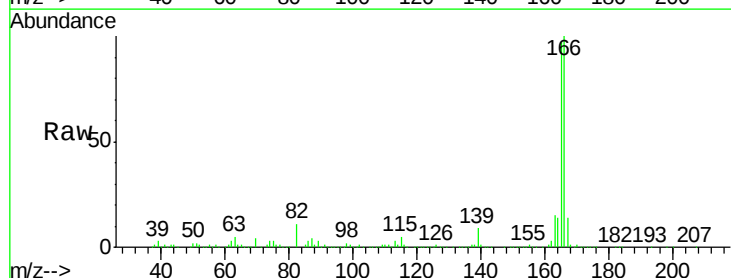
Tgt Ion:166 Resp: 391202

Ion Ratio Lower Upper

166 100

165 97.2 78.4 117.6

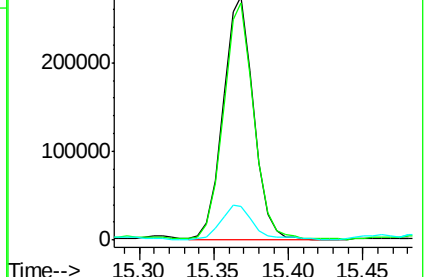
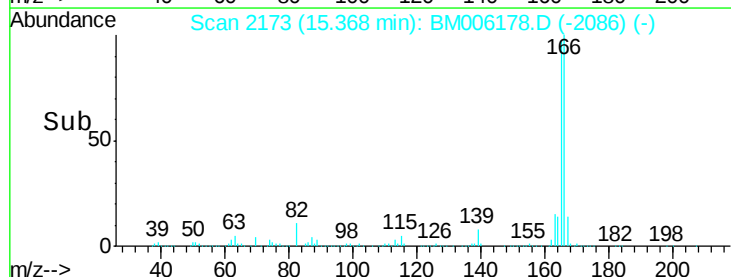
167 13.9 10.6 16.0

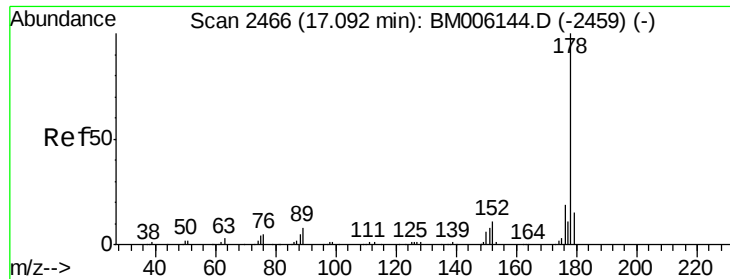


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

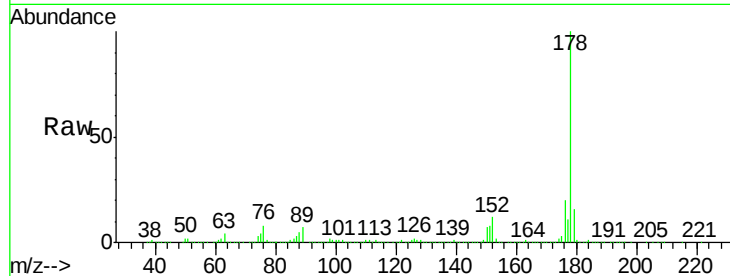




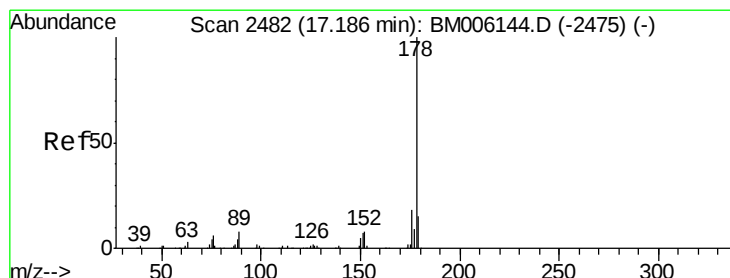
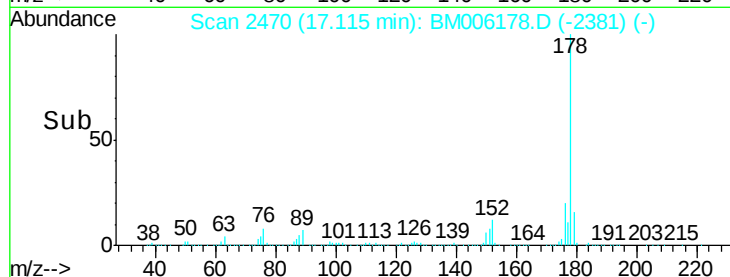
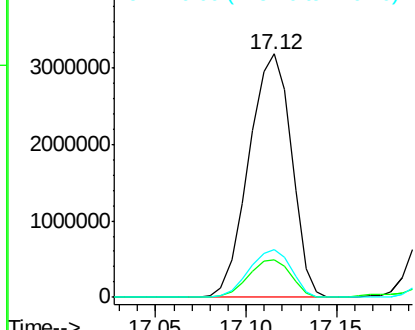
#25
 Phenanthrene
 Concen: 52.47 ng/ul
 RT: 17.12 min Scan# 2470
 Delta R.T. 0.02 min
 Lab File: BM006178.D
 Acq: 01 Jul 2016 12:26

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4MSD

Tgt Ion:178 Resp: 5195150
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.2 18.2
 176 19.6 15.3 22.9

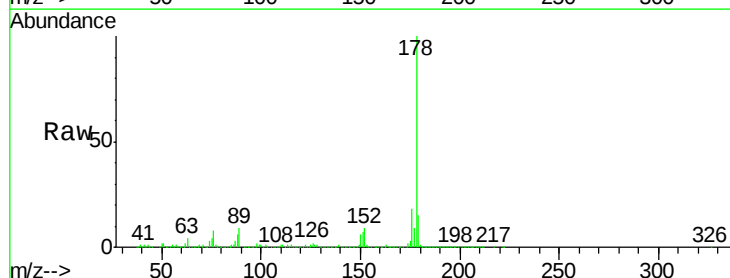


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

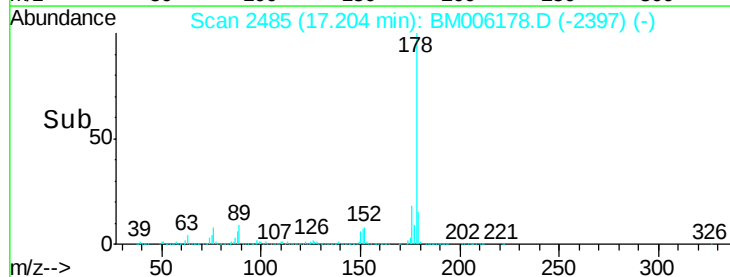
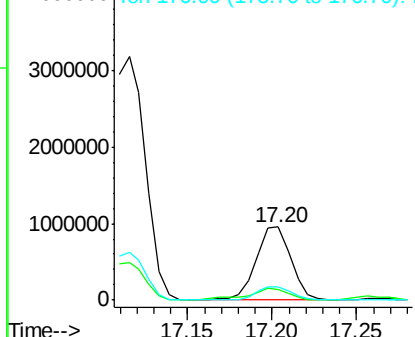


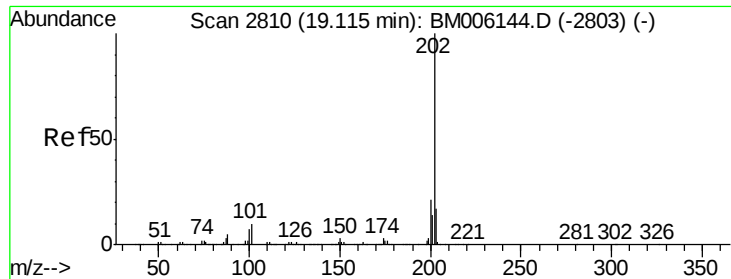
#27
 Anthracene
 Concen: 13.52 ng/ul
 RT: 17.20 min Scan# 2485
 Delta R.T. 0.02 min
 Lab File: BM006178.D
 Acq: 01 Jul 2016 12:26

Tgt Ion:178 Resp: 1375921
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.3 18.5
 176 18.5 14.6 22.0



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

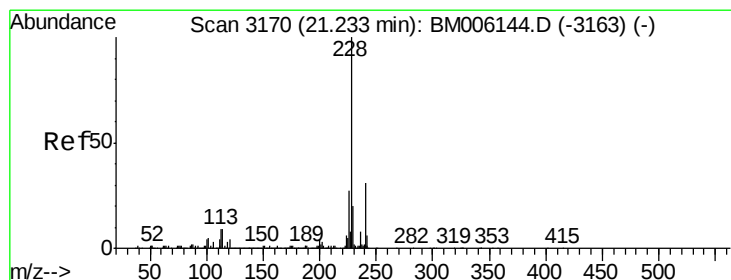
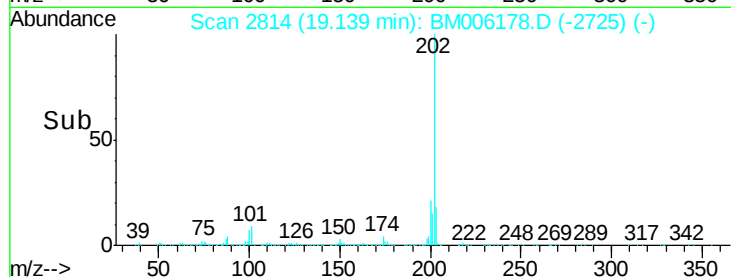
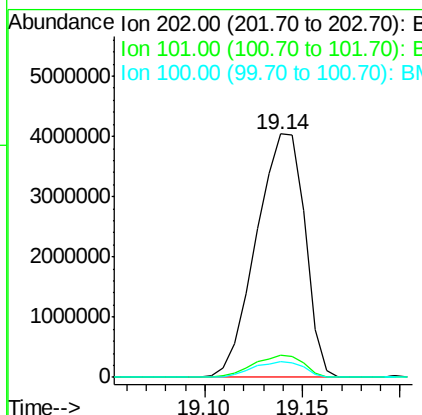
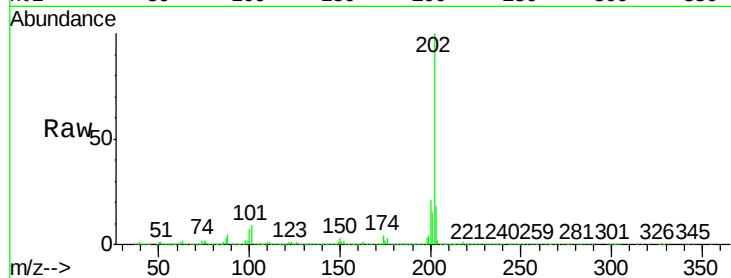




#28
 Fluoranthene
 Concen: 57.29 ng/ul
 RT: 19.14 min Scan# 2814
 Delta R.T. 0.02 min
 Lab File: BM006178.D
 Acq: 01 Jul 2016 12:26

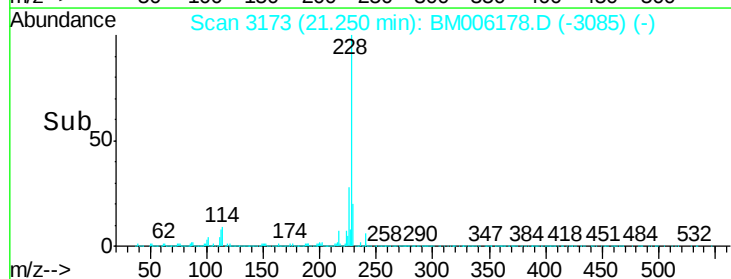
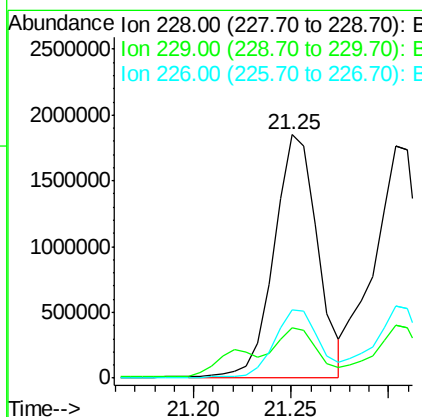
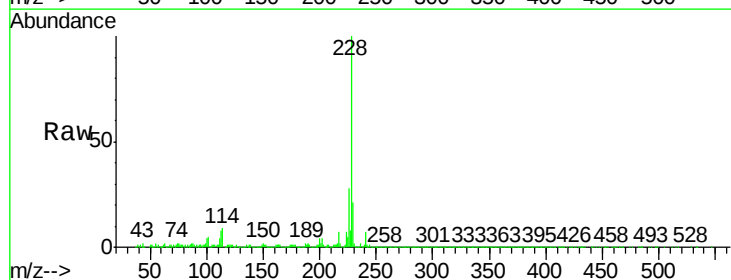
Instrument :
 BNA_M
 ClientSampleId :
 D9YF4MSD

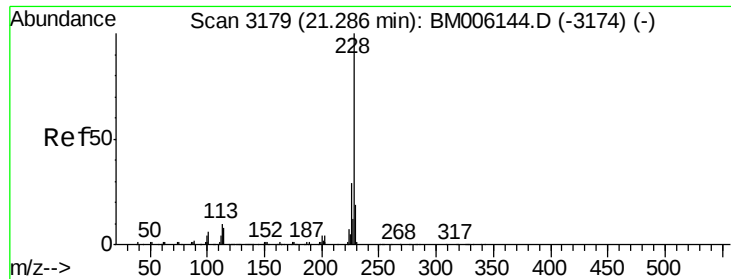
Tgt Ion:202 Resp: 6947589
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.5 12.7
 100 6.7 6.5 9.7



#32
 Benzo(a)anthracene
 Concen: 39.64 ng/ul
 RT: 21.25 min Scan# 3173
 Delta R.T. 0.02 min
 Lab File: BM006178.D
 Acq: 01 Jul 2016 12:26

Tgt Ion:228 Resp: 2850369
 Ion Ratio Lower Upper
 228 100
 229 20.7 15.6 23.4
 226 28.2 21.6 32.4





#33

Chrysene

Concen: 42.36 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

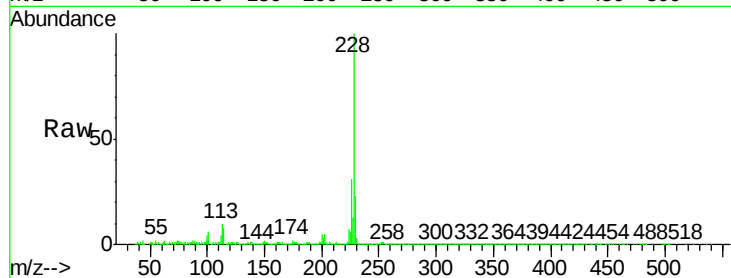
Tgt Ion:228 Resp: 2804408

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

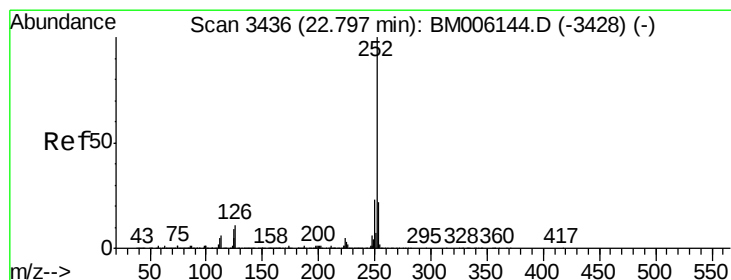
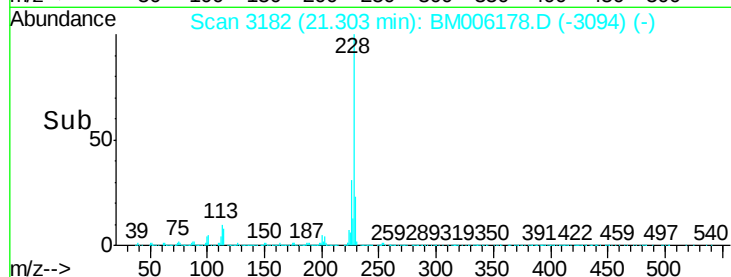
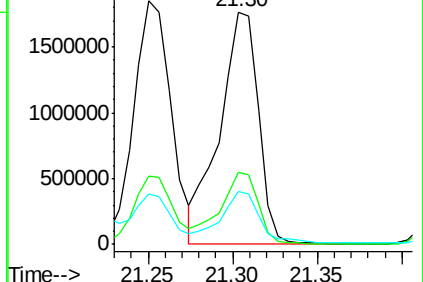
229 22.8 15.8 23.6



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: 45.07 ng/ul

RT: 22.84 min Scan# 3443

Delta R.T. 0.04 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

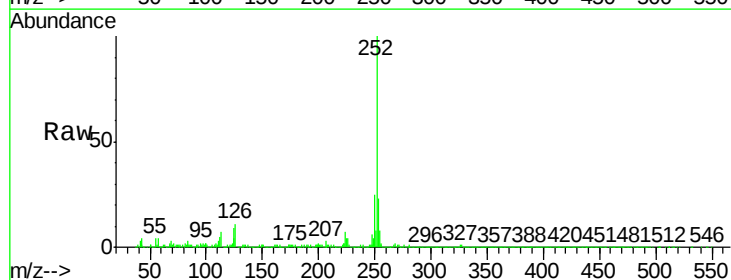
Tgt Ion:252 Resp: 3664904

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

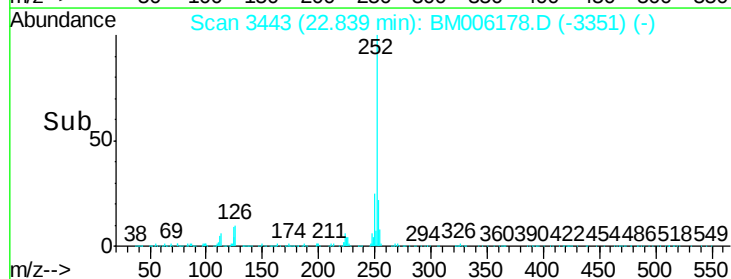
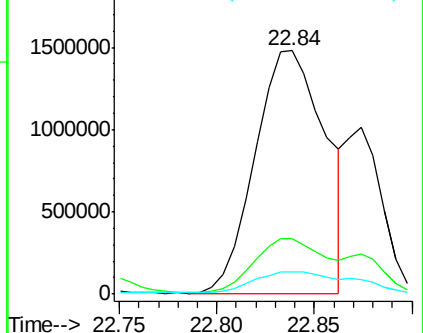
125 9.2 7.8 11.6

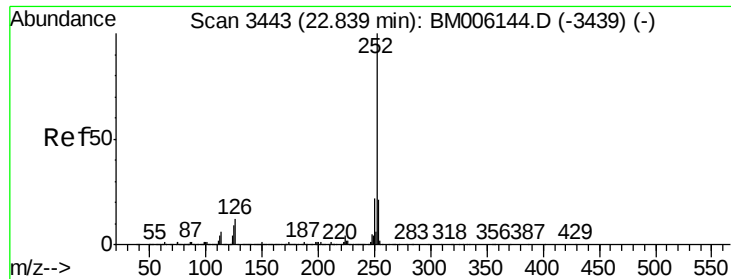


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

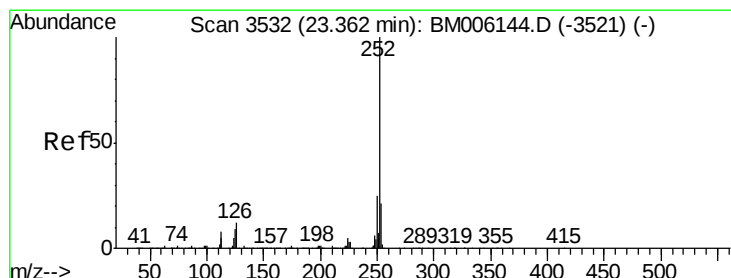
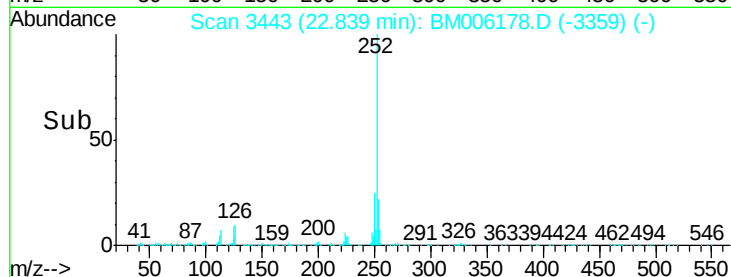
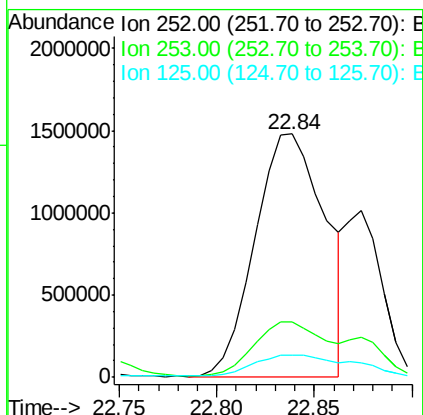
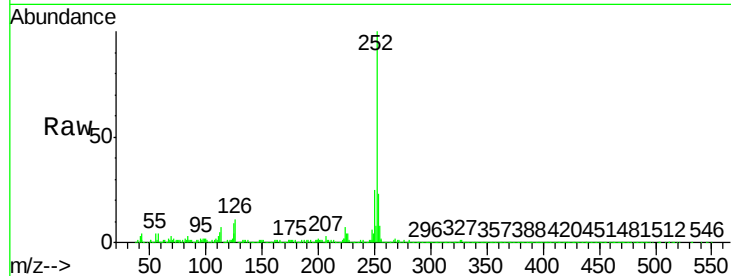




#36
Benzo(k)fluoranthene
Concen: 48.04 ng/u1
RT: 22.84 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM006178.D
Acq: 01 Jul 2016 12:26

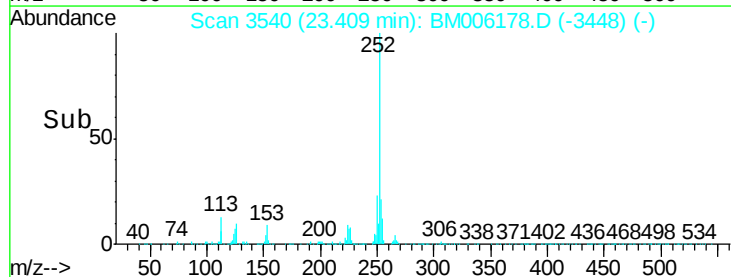
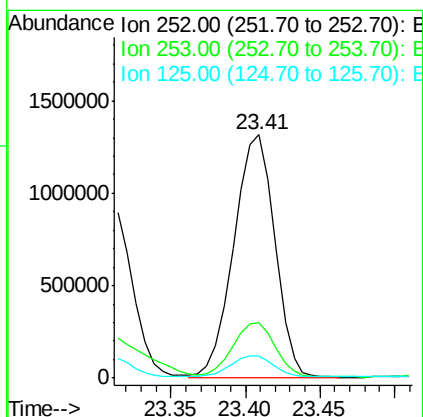
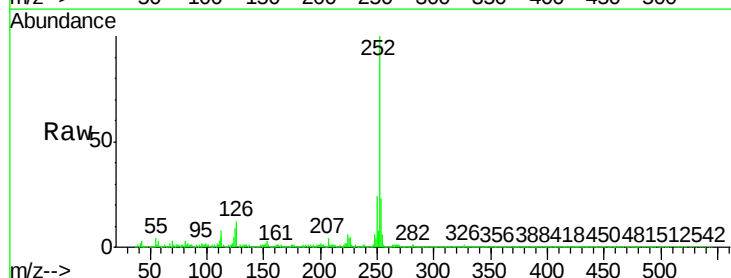
Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

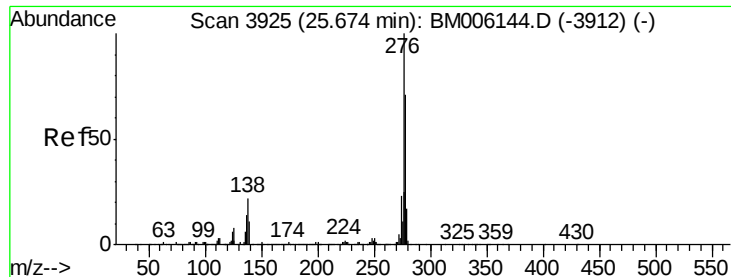
Tgt Ion:252 Resp: 3664904
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.2 8.1 12.1



#38
Benzo(a)pyrene
Concen: 32.46 ng/u1
RT: 23.41 min Scan# 3540
Delta R.T. 0.04 min
Lab File: BM006178.D
Acq: 01 Jul 2016 12:26

Tgt Ion:252 Resp: 2493718
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.1 8.7 13.1





#39

Indeno(1,2,3-cd)pyrene

Concen: 24.91 ng/ul

RT: 25.75 min Scan# 3938

Delta R.T. 0.06 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

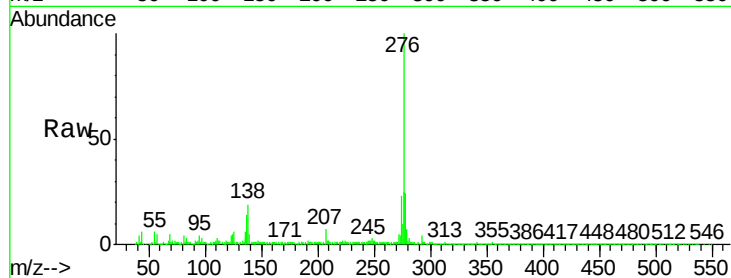
Tgt Ion:276 Resp: 1989652

Ion Ratio Lower Upper

276 100

138 18.7 20.4 30.6#

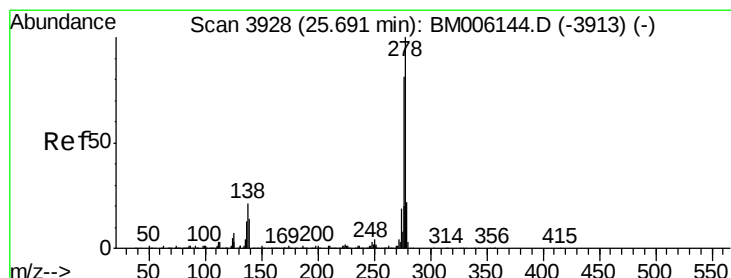
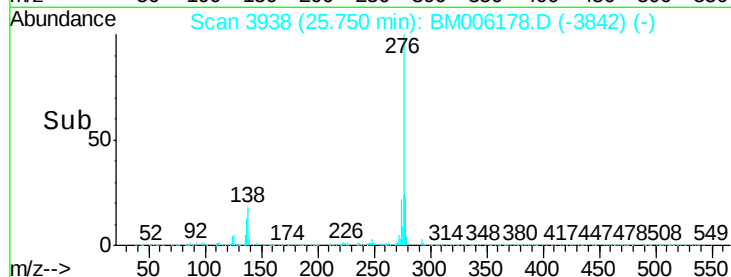
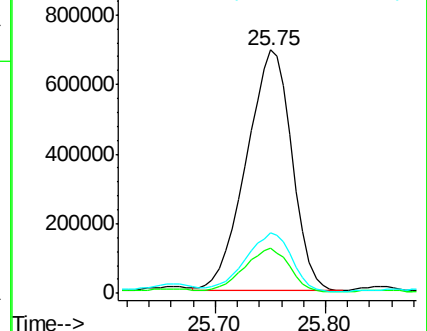
277 24.8 20.6 30.8



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: 7.92 ng/ul

RT: 25.75 min Scan# 3938

Delta R.T. 0.06 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

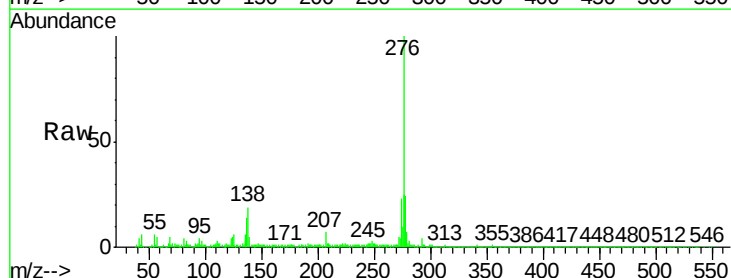
Tgt Ion:278 Resp: 523541

Ion Ratio Lower Upper

278 100

139 19.8 13.0 19.4#

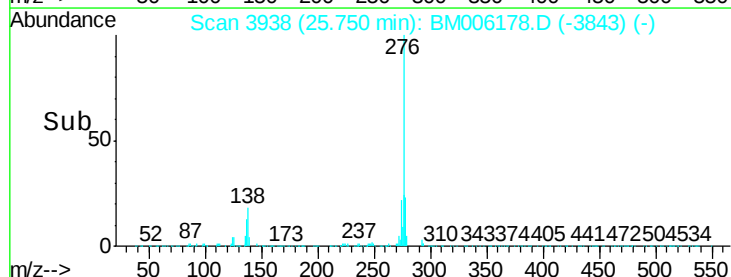
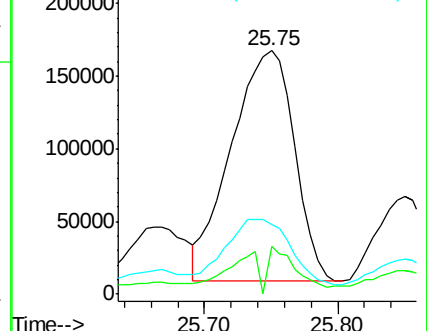
279 28.6 18.8 28.2#

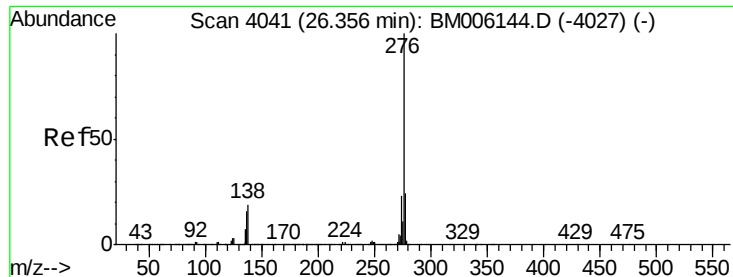


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.71 ng/ul

RT: 26.44 min Scan# 4056

Delta R.T. 0.09 min

Lab File: BM006178.D

Acq: 01 Jul 2016 12:26

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

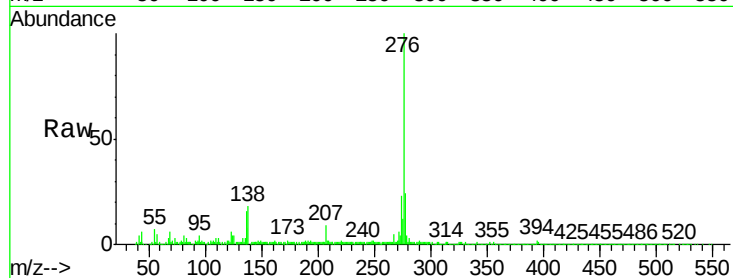
Tgt Ion:276 Resp: 1852151

Ion Ratio Lower Upper

276 100

138 18.2 16.6 25.0

277 24.0 18.9 28.3



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

