

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072016\
 Data File : BM006581.D
 Acq On : 21 Jul 2016 07:18
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02056

Quant Time: Jul 21 07:52:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 21 01:09:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	138970	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	595292	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	331631	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	742242	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	867605	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	912632	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	26592	7.74	ng/uL	0.00
3) Phenol-d5	6.79	99	245439	20.76	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	149046	20.35	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	191519	20.27	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	192992	21.05	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	92367	20.50	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	98203	20.49	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	180923	19.98	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	246828	24.75	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	520406	20.01	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	682135	20.55	ng/ul	0.00
20) 4-Nitrophenol-d4	14.48	143	91253	20.21	ng/ul	0.00
21) Fluorene-d10	15.26	176	465513	20.02	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	73451	19.06	ng/ul	0.00
26) Anthracene-d10	17.11	188	716730	20.34	ng/ul	0.00
30) Pyrene-d10	19.42	212	802739	20.31	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	859116	20.47	ng/ul	0.00

Target Compounds

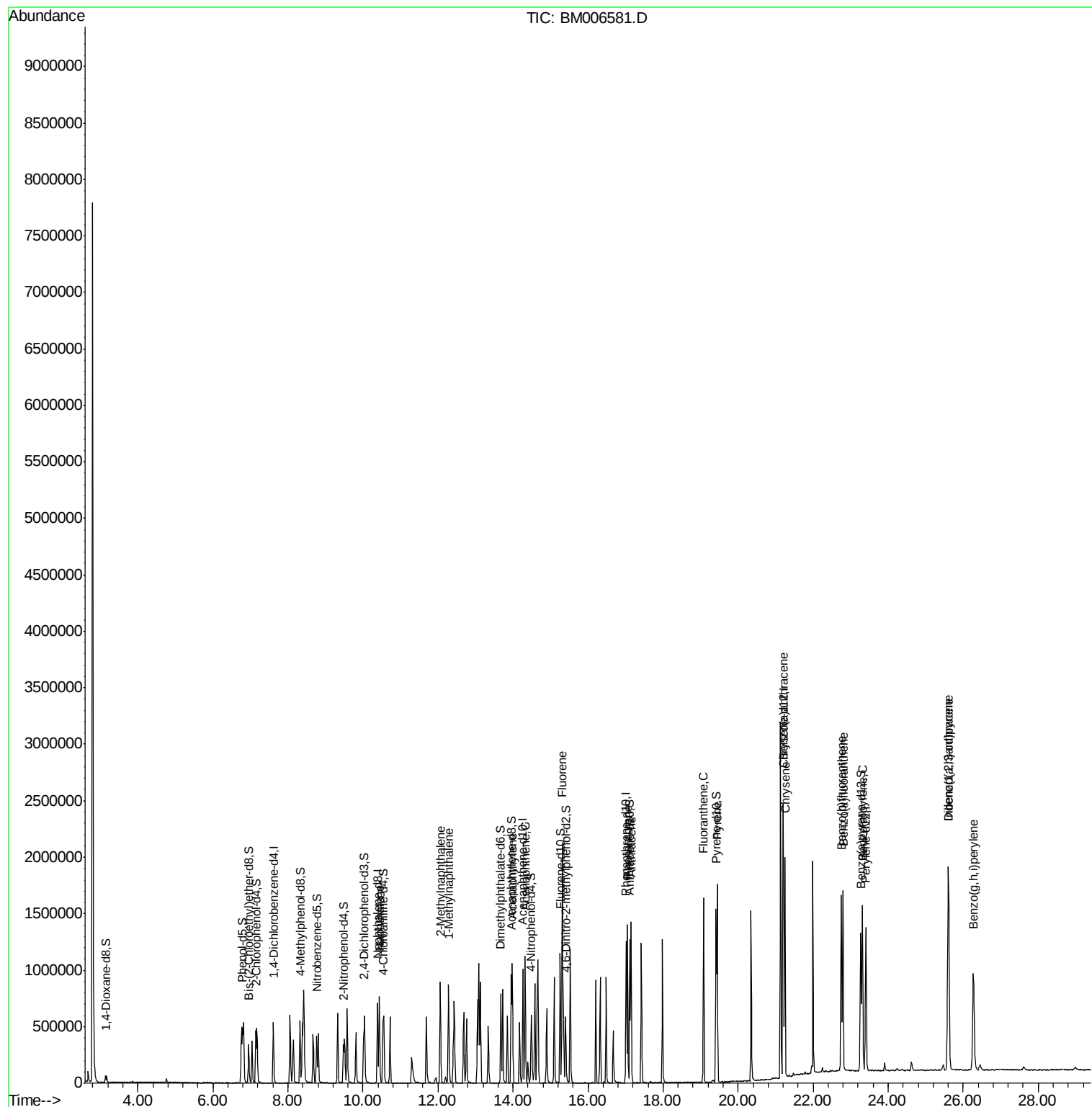
						Qvalue
11) Naphthalene	10.44	128	615478	20.05	ng/ul	99
13) 2-Methylnaphthalene	12.06	142	445246	19.77	ng/ul	99
14) 1-Methylnaphthalene	12.29	142	424109	19.74	ng/ul#	96
18) Acenaphthylene	13.98	152	722372	20.32	ng/ul	96
19) Acenaphthene	14.33	153	455861	19.96	ng/ul	94
22) Fluorene	15.32	166	527435	20.49	ng/ul	95
25) Phenanthrene	17.06	178	850559	20.38	ng/ul	99
27) Anthracene	17.14	178	879634	20.46	ng/ul	98
28) Fluoranthene	19.08	202	1007580	20.55	ng/ul	98
31) Pyrene	19.44	202	1066066	20.29	ng/ul	97
32) Benzo(a)anthracene	21.20	228	1056069	20.08	ng/ul	97
33) Chrysene	21.25	228	979543	20.20	ng/ul	99
35) Benzo(b)fluoranthene	22.75	252	1117298	20.42	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	1063604	20.11	ng/ul	99
38) Benzo(a)pyrene	23.32	252	1088762	20.45	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.61	276	1253792	20.33	ng/ul#	95
40) Dibenzo(a,h)anthracene	25.61	278	1052225	20.59	ng/ul	98
41) Benzo(g,h,i)perylene	26.27	276	1076710	20.37	ng/ul	97

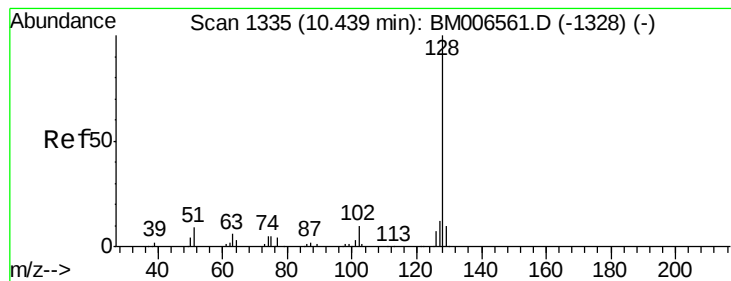
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 20.05 ng/ul

RT: 10.44 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

Instrument :

BNA_M

ClientSampleId :

SSTD02056

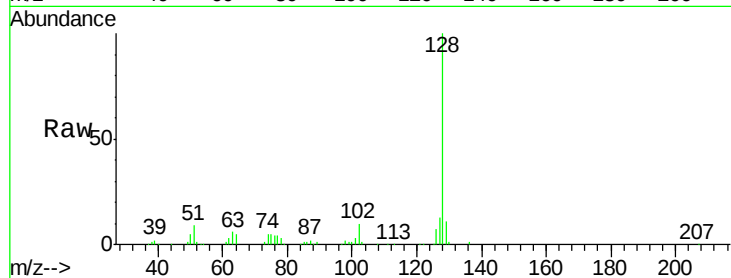
Tgt Ion:128 Resp: 615478

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

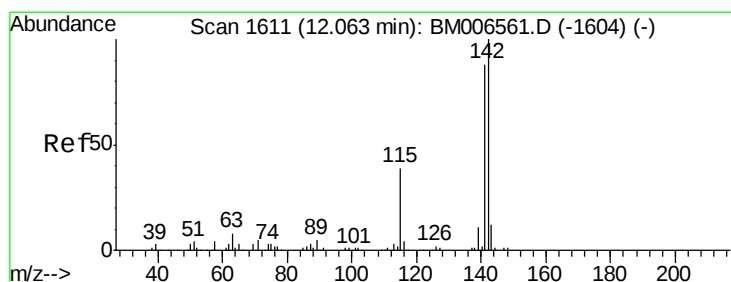
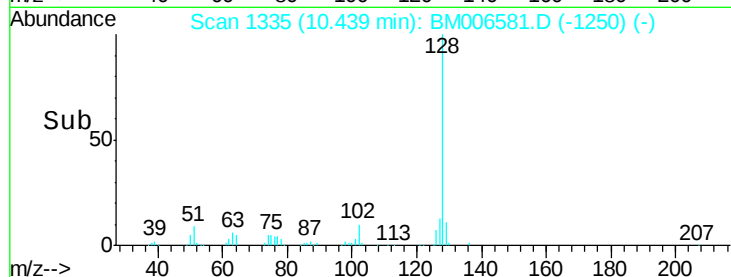
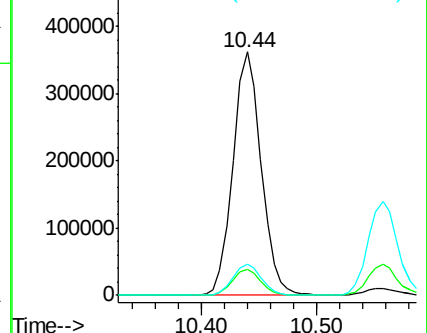
127 12.6 10.8 16.2



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



#13

2-Methylnaphthalene

Concen: 19.77 ng/ul

RT: 12.06 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BM006581.D

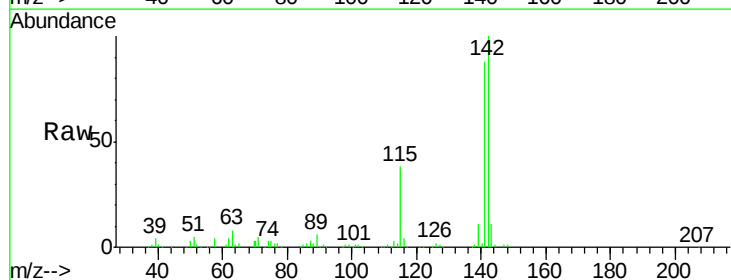
Acq: 21 Jul 2016 07:18

Tgt Ion:142 Resp: 445246

Ion Ratio Lower Upper

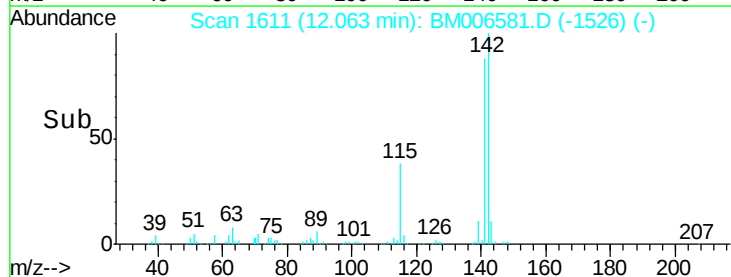
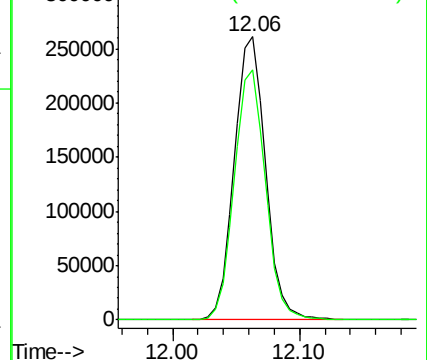
142 100

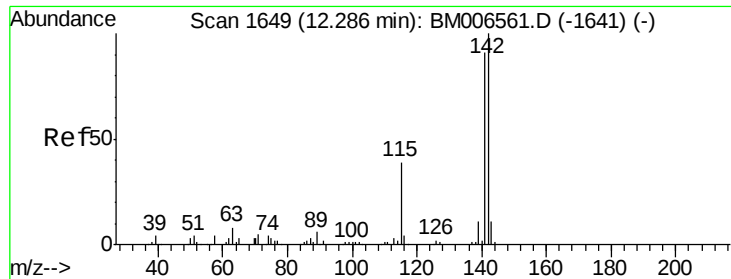
141 88.2 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

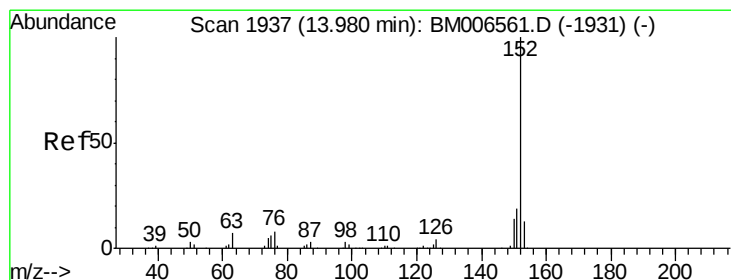
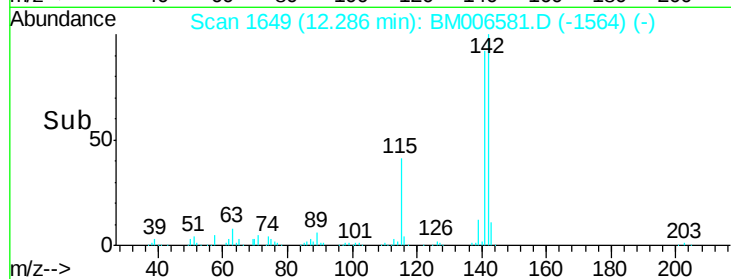
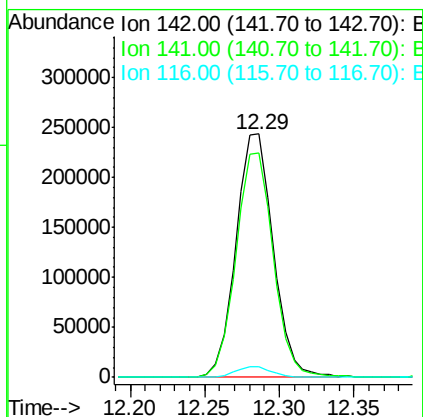
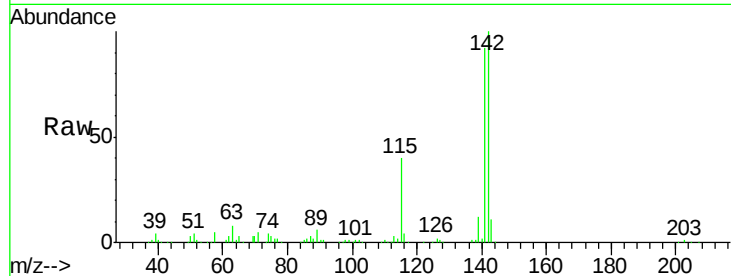




#14
1-Methylnaphthalene
Concen: 19.74 ng/ul
RT: 12.29 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BM006581.D
Acq: 21 Jul 2016 07:18

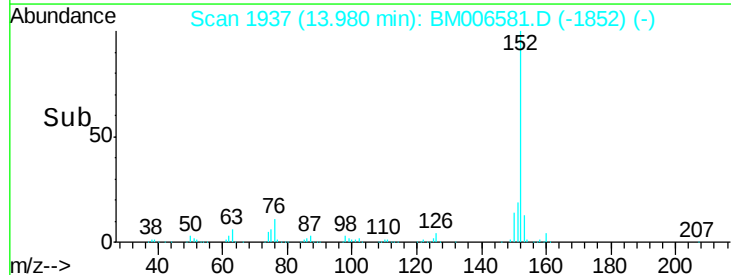
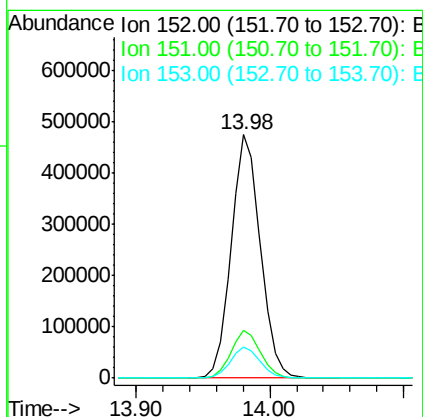
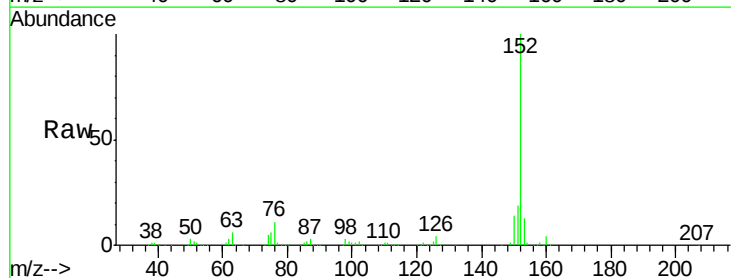
Instrument :
BNA_M
ClientSampleId :
SSTD02056

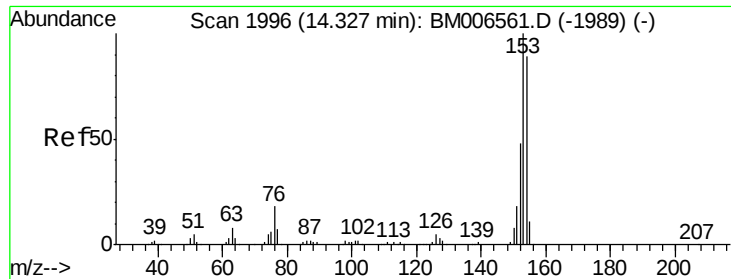
Tgt Ion:142 Resp: 424109
Ion Ratio Lower Upper
142 100
141 91.9 77.0 115.4
116 4.2 4.2 6.4#



#18
Acenaphthylene
Concen: 20.32 ng/ul
RT: 13.98 min Scan# 1937
Delta R.T. 0.00 min
Lab File: BM006581.D
Acq: 21 Jul 2016 07:18

Tgt Ion:152 Resp: 722372
Ion Ratio Lower Upper
152 100
151 19.4 17.3 25.9
153 12.9 11.1 16.7





#19

Acenaphthene

Concen: 19.96 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

Instrument :

BNA_M

ClientSampleId :

SSTD02056

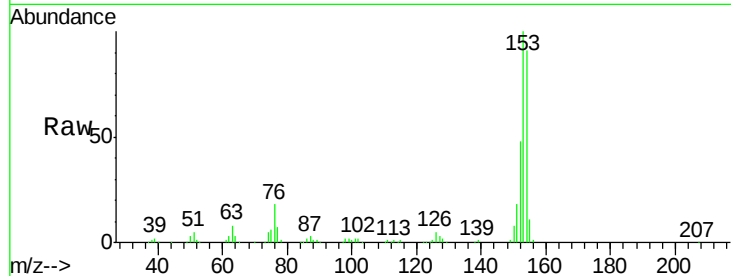
Tgt Ion:153 Resp: 455861

Ion Ratio Lower Upper

153 100

152 48.4 36.5 54.7

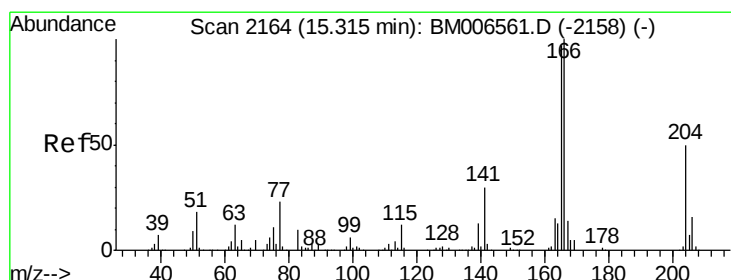
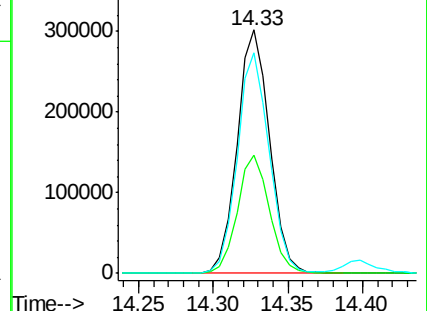
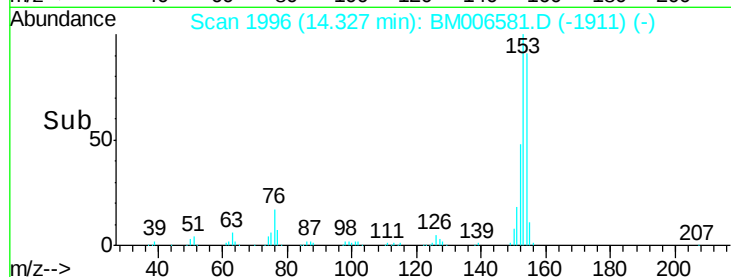
154 90.8 67.3 100.9



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: 20.49 ng/ul

RT: 15.32 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

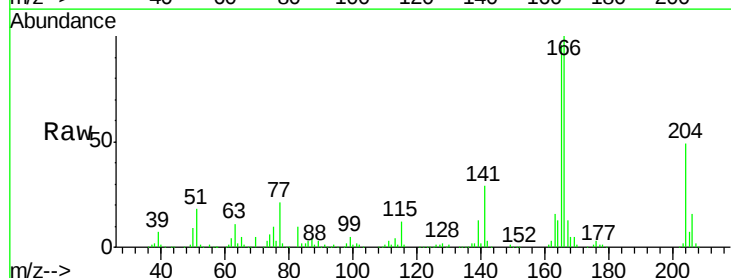
Tgt Ion:166 Resp: 527435

Ion Ratio Lower Upper

166 100

165 96.2 81.1 121.7

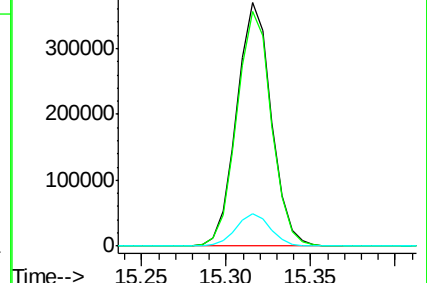
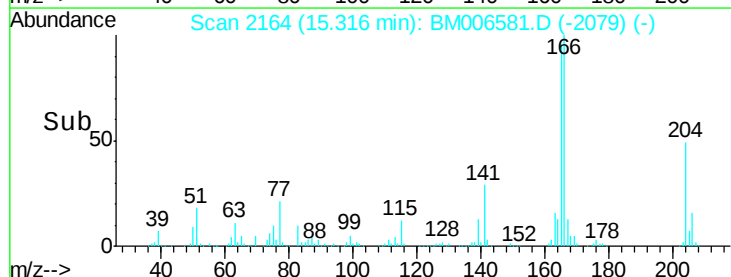
167 13.5 10.6 16.0

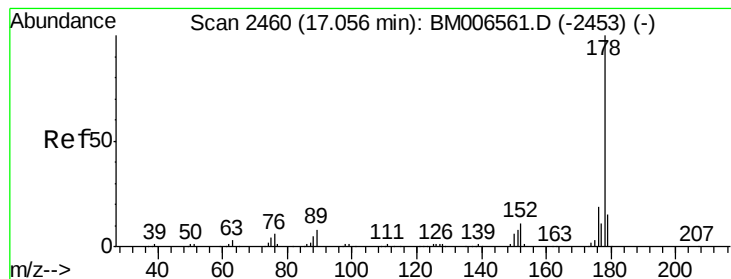


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.38 ng/u1

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

Instrument :

BNA_M

ClientSampleId :

SSTD02056

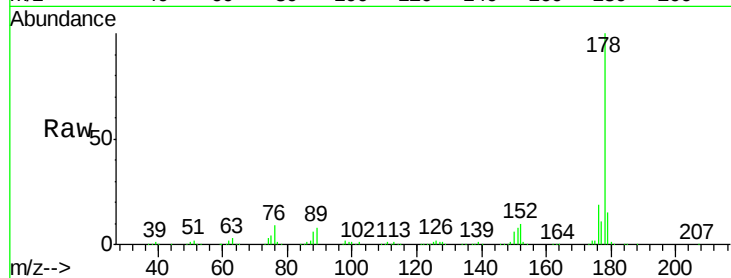
Tgt Ion:178 Resp: 850559

Ion Ratio Lower Upper

178 100

179 14.8 11.8 17.8

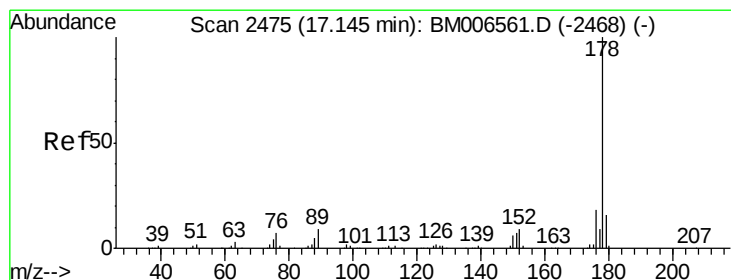
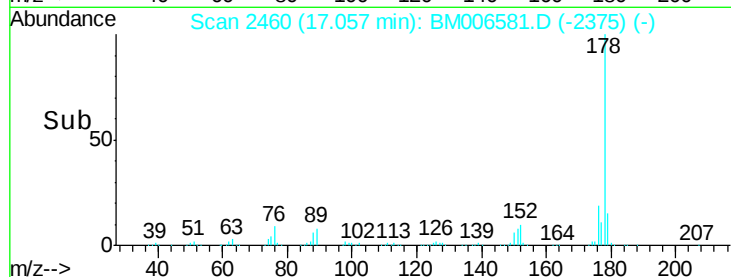
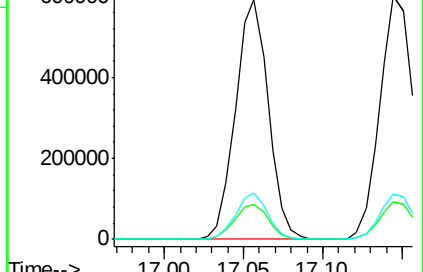
176 19.2 14.8 22.2



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: 20.46 ng/u1

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

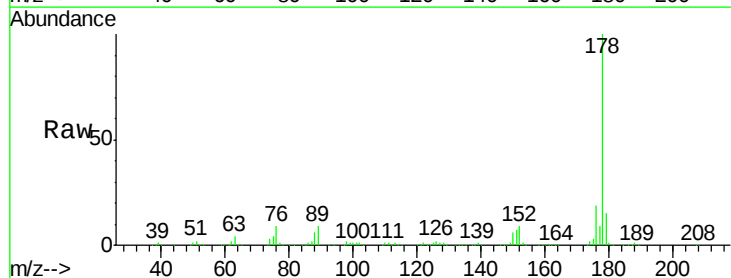
Tgt Ion:178 Resp: 879634

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

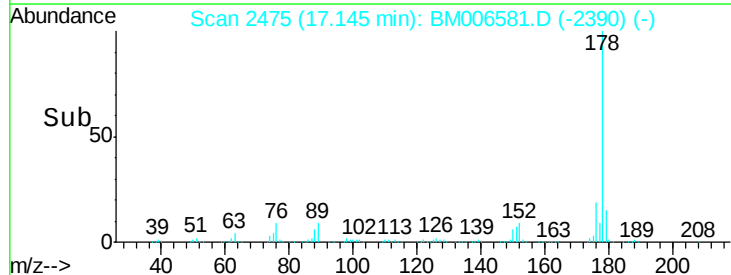
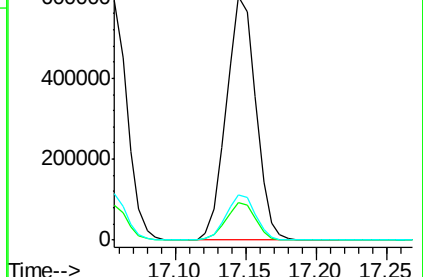
176 18.8 15.6 23.4

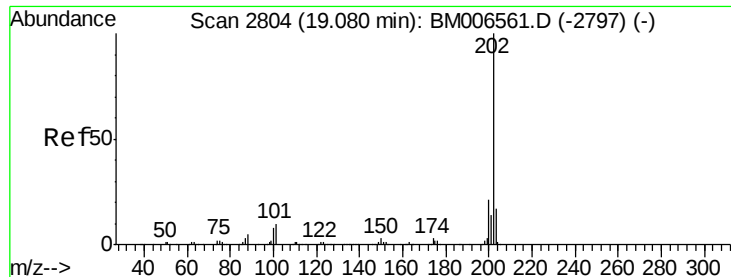


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

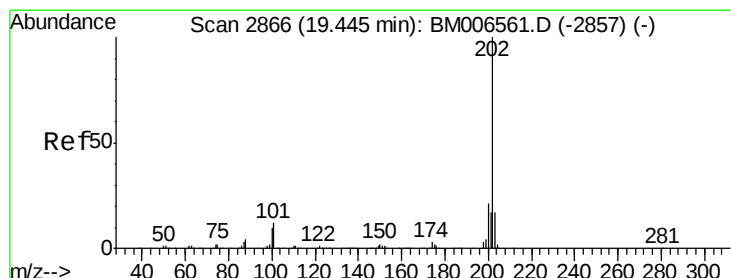
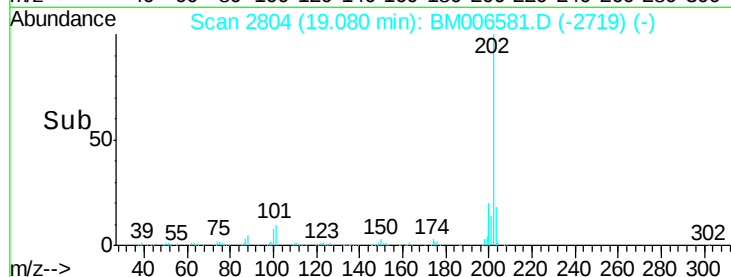
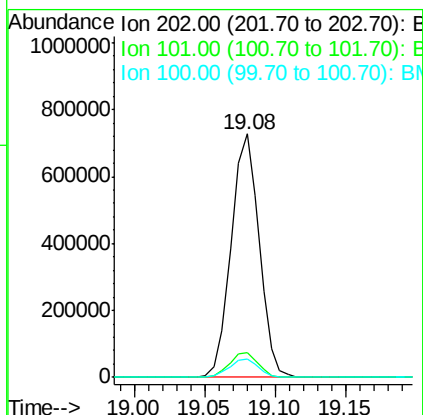
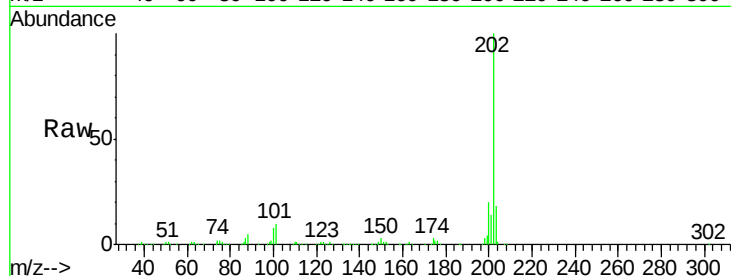




#28
Fluoranthene
Concen: 20.55 ng/ul
RT: 19.08 min Scan# 2804
Delta R.T. 0.00 min
Lab File: BM006581.D
Acq: 21 Jul 2016 07:18

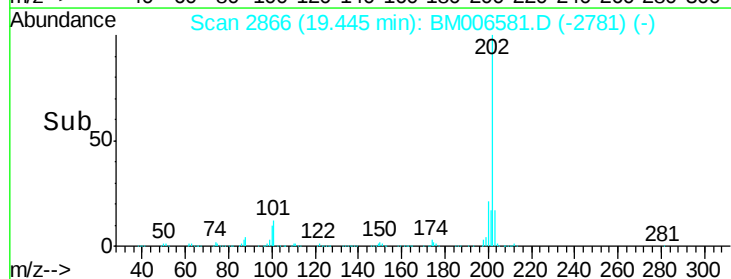
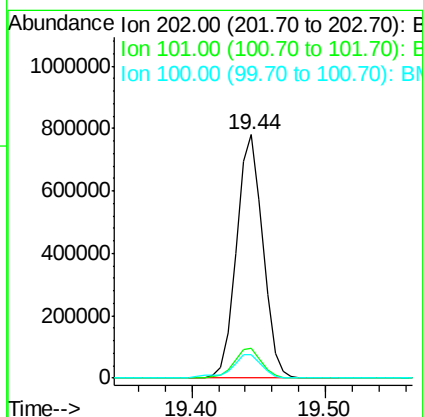
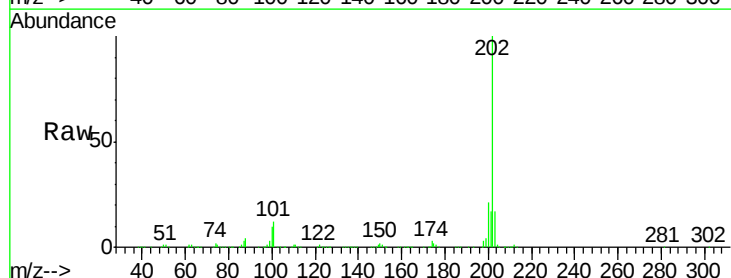
Instrument :
BNA_M
ClientSampleId :
SSTD02056

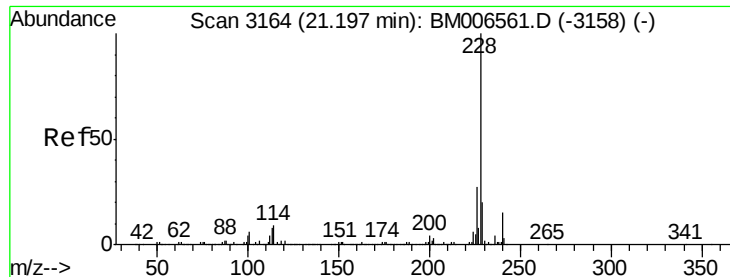
Tgt Ion:202 Resp: 1007580
Ion Ratio Lower Upper
202 100
101 10.3 8.9 13.3
100 7.8 7.0 10.4



#31
Pyrene
Concen: 20.29 ng/ul
RT: 19.44 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BM006581.D
Acq: 21 Jul 2016 07:18

Tgt Ion:202 Resp: 1066066
Ion Ratio Lower Upper
202 100
101 12.4 9.8 14.8
100 9.6 9.3 13.9





#32

Benzo(a)anthracene

Concen: 20.08 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

Instrument :

BNA_M

ClientSampleId :

SSTD02056

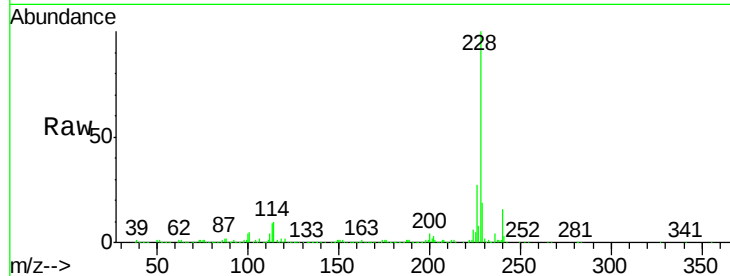
Tgt Ion:228 Resp: 1056069

Ion Ratio Lower Upper

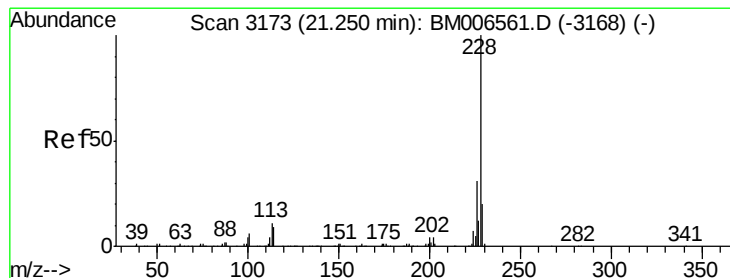
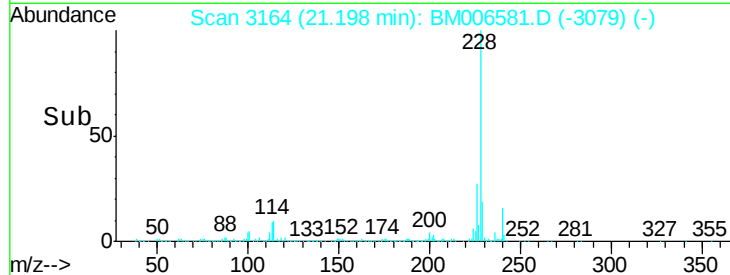
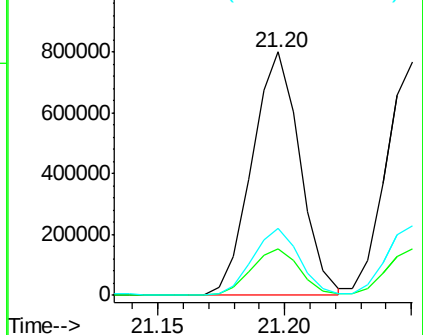
228 100

229 19.3 16.6 25.0

226 27.3 21.0 31.4



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: 20.20 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

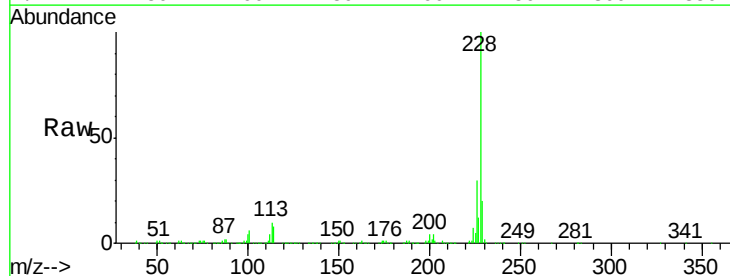
Tgt Ion:228 Resp: 979543

Ion Ratio Lower Upper

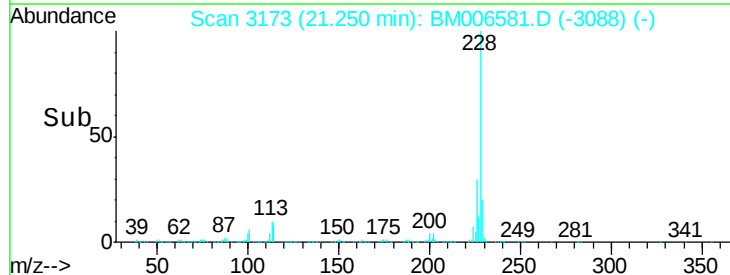
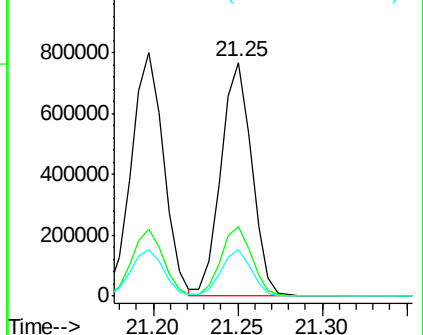
228 100

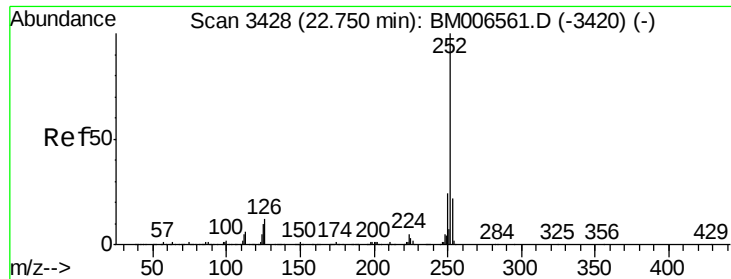
226 29.7 23.4 35.2

229 19.7 16.2 24.2



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

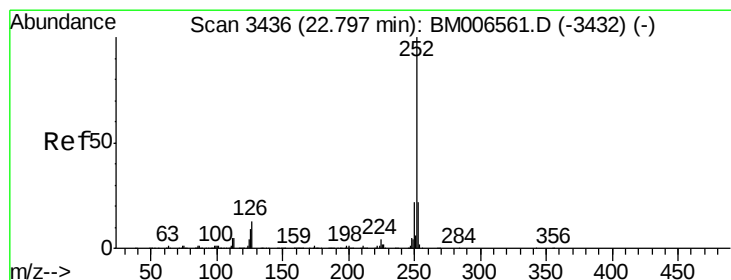
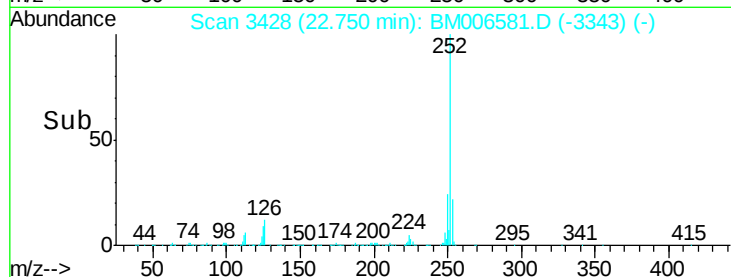
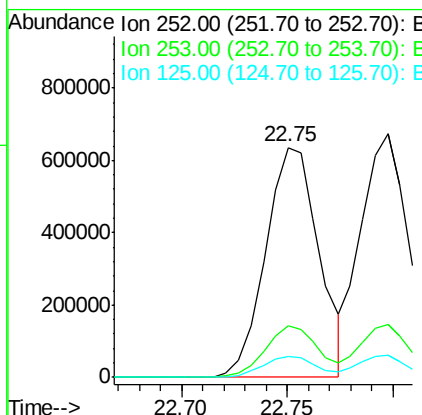
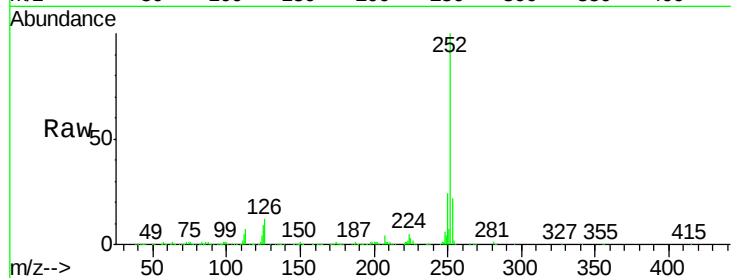




#35
Benzo(b)fluoranthene
Concen: 20.42 ng/ul
RT: 22.75 min Scan# 3428
Delta R.T. 0.00 min
Lab File: BM006581.D
Acq: 21 Jul 2016 07:18

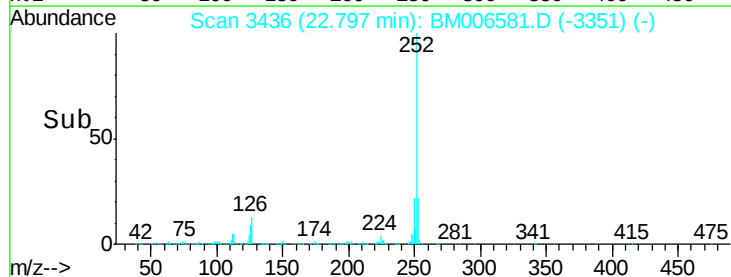
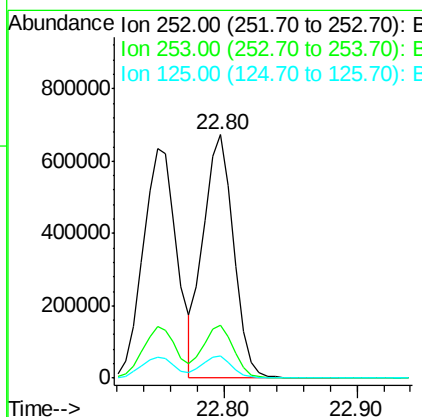
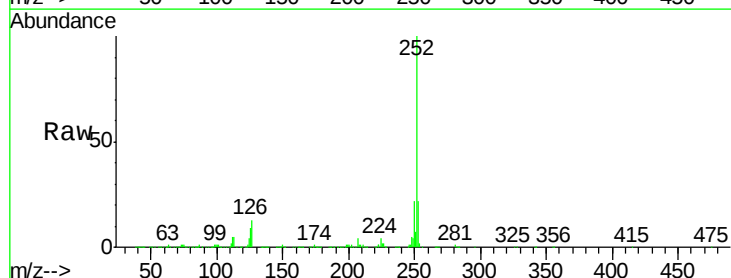
Instrument :
BNA_M
ClientSampleId :
SSTD02056

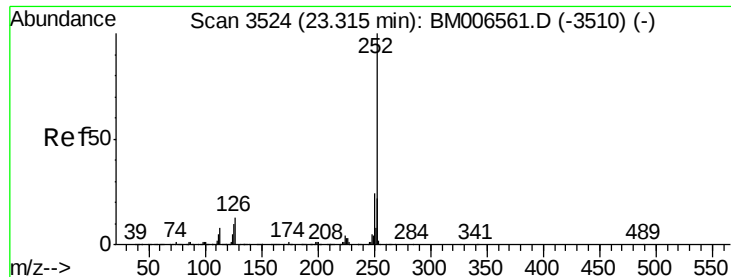
Tgt Ion:252 Resp: 1117298
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 9.1 7.6 11.4



#36
Benzo(k)fluoranthene
Concen: 20.11 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. 0.00 min
Lab File: BM006581.D
Acq: 21 Jul 2016 07:18

Tgt Ion:252 Resp: 1063604
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 8.9 7.7 11.5





#38

Benzo(a)pyrene

Concen: 20.45 ng/ul

RT: 23.32 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

Instrument :

BNA_M

ClientSampleId :

SSTD02056

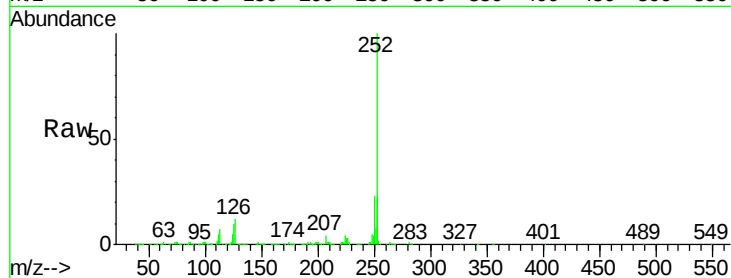
Tgt Ion:252 Resp: 1088762

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

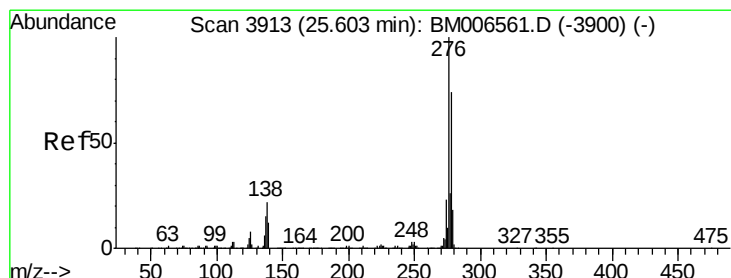
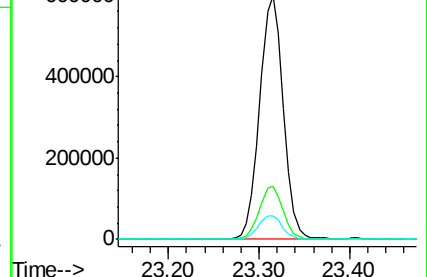
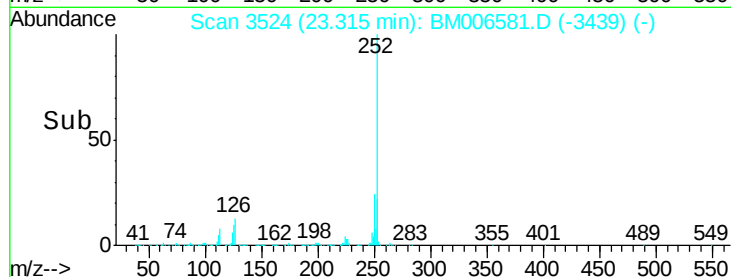
125 9.6 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 20.33 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

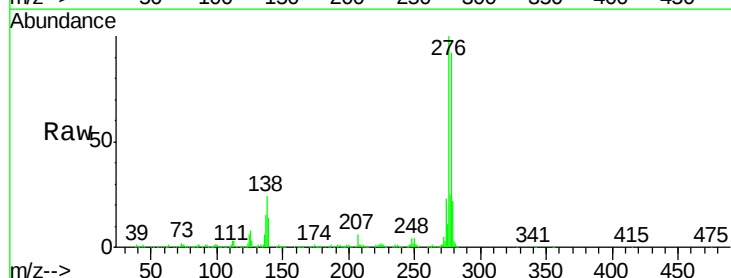
Tgt Ion:276 Resp: 1253792

Ion Ratio Lower Upper

276 100

138 23.7 15.8 23.6#

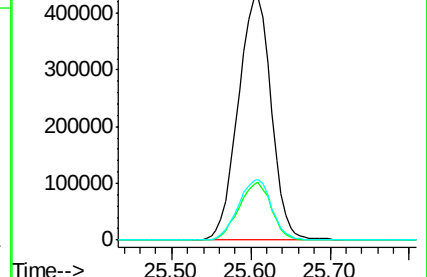
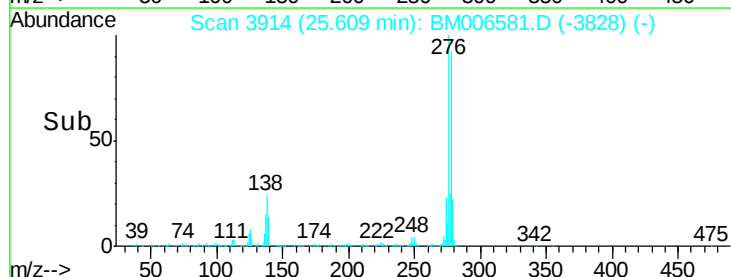
277 24.9 19.0 28.6

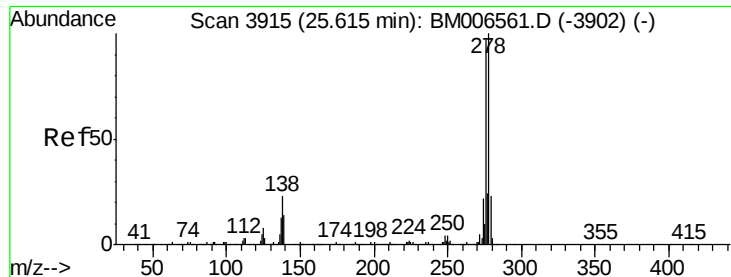


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 20.59 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. 0.00 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

Instrument :

BNA_M

ClientSampleId :

SSTD02056

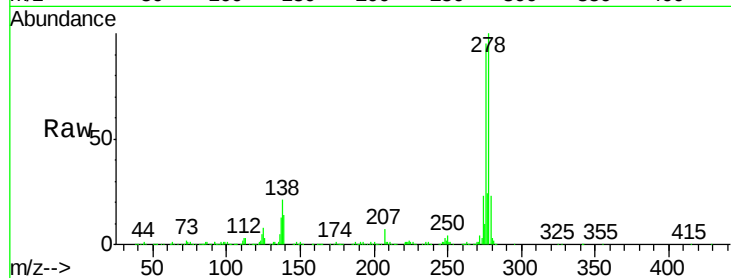
Tgt Ion:278 Resp: 1052225

Ion Ratio Lower Upper

278 100

139 14.3 12.1 18.1

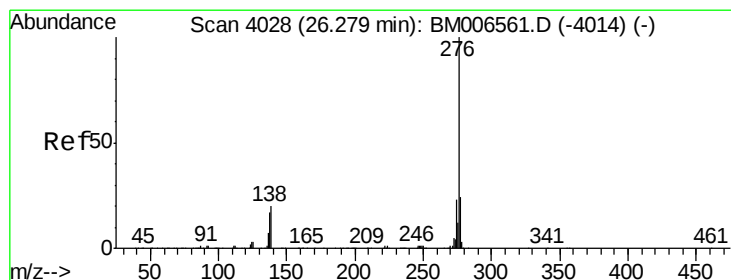
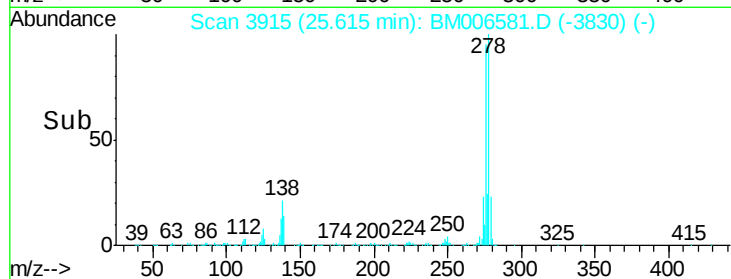
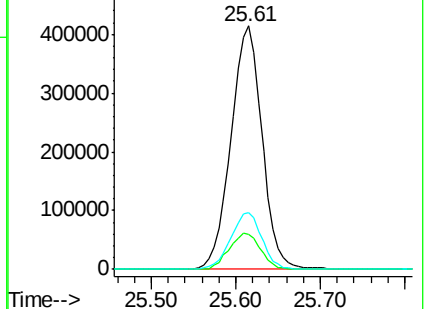
279 23.5 19.8 29.8



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: 20.37 ng/ul

RT: 26.27 min Scan# 4027

Delta R.T. -0.01 min

Lab File: BM006581.D

Acq: 21 Jul 2016 07:18

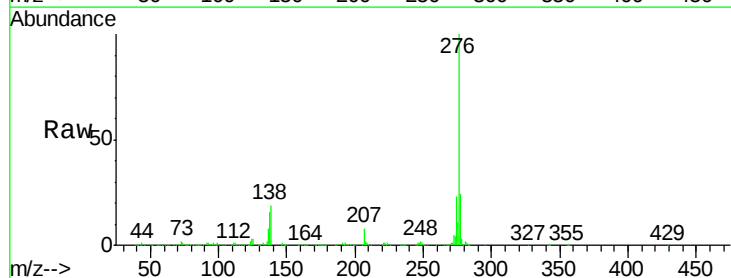
Tgt Ion:276 Resp: 1076710

Ion Ratio Lower Upper

276 100

138 19.3 13.9 20.9

277 24.0 19.8 29.6



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

