

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
 Data File : BM006150.D
 Acq On : 30 Jun 2016 06:51
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02053

Quant Time: Jun 30 07:21:14 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	7.65	152	290422	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1350597	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	796283	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1844874	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	1797107	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1509718	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	38102	6.09	ng/uL	0.00
3) Phenol-d5	6.83	99	389411	16.41	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	233114	16.66	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	295928	16.25	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	309197	16.19	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	148438	16.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	165844	15.93	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	308980	16.26	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	244398	16.28	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	898999	15.75	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1141481	16.48	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	170900	15.78	ng/ul	0.00
21) Fluorene-d10	15.30	176	785502	16.13	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	141745	21.69	ng/ul	0.00
26) Anthracene-d10	17.15	188	1224760	16.55	ng/ul	0.00
30) Pyrene-d10	19.45	212	1334022	18.43	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	968435	16.12	ng/ul	0.00

Target Compounds

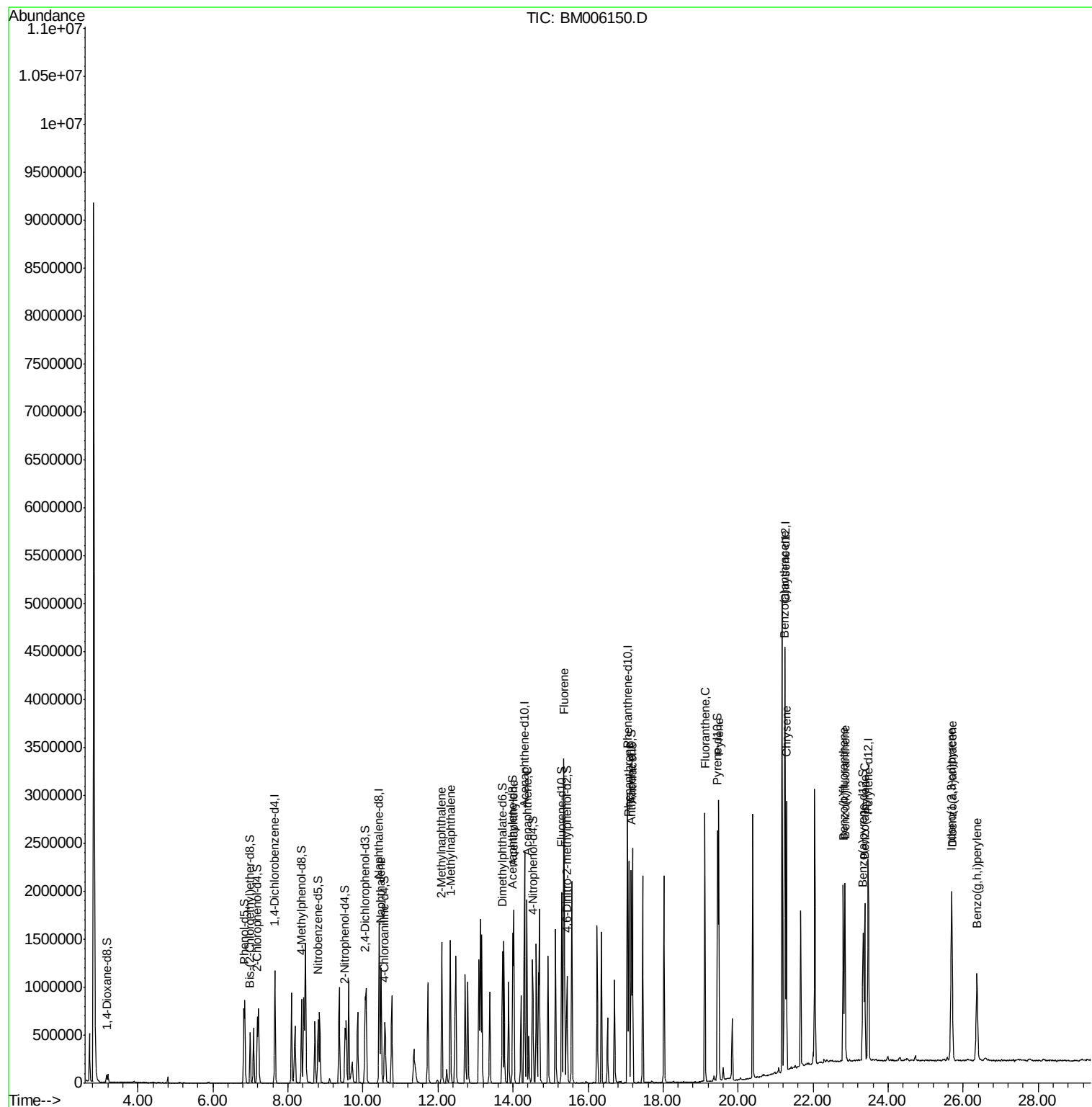
						Qvalue
11) Naphthalene	10.48	128	963541	16.30	ng/ul	99
13) 2-Methylnaphthalene	12.10	142	727895	16.20	ng/ul	97
14) 1-Methylnaphthalene	12.33	142	690357	16.16	ng/ul	98
18) Acenaphthylene	14.02	152	1205091	16.62	ng/ul	99
19) Acenaphthene	14.37	153	758690	16.39	ng/ul	99
22) Fluorene	15.36	166	862658	16.38	ng/ul	98
25) Phenanthrene	17.09	178	1422312	16.29	ng/ul	100
27) Anthracene	17.19	178	1464295	16.32	ng/ul	100
28) Fluoranthene	19.12	202	1706766	15.96	ng/ul	100
31) Pyrene	19.48	202	1749130	18.45	ng/ul	97
32) Benzo(a)anthracene	21.24	228	1531094	16.38	ng/ul	100
33) Chrysene	21.29	228	1404064	16.32	ng/ul	100
35) Benzo(b)fluoranthene	22.80	252	1311457	16.74	ng/ul	99
36) Benzo(k)fluoranthene	22.85	252	1250682	17.02	ng/ul	99
38) Benzo(a)pyrene	23.37	252	1200789	16.22	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.69	276	1338398	17.39	ng/ul	95
40) Dibenzo(a,h)anthracene	25.70	278	1118441	17.57	ng/ul	97
41) Benzo(g,h,i)perylene	26.37	276	1160743	18.02	ng/ul	97

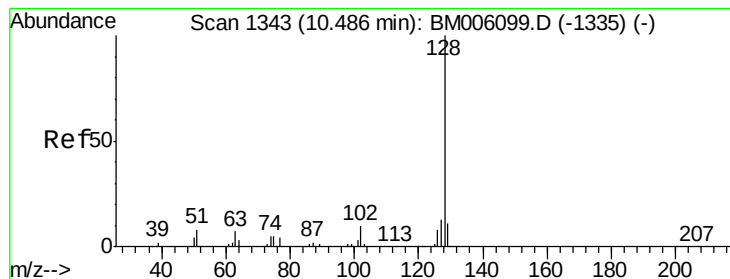
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062916\
Data File : BM006150.D
Acq On : 30 Jun 2016 06:51
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02053

Quant Time: Jun 30 07:21:14 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: 16.30 ng/ul

RT: 10.48 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

Instrument :

BNA_M

ClientSampleId :

SSTD02053

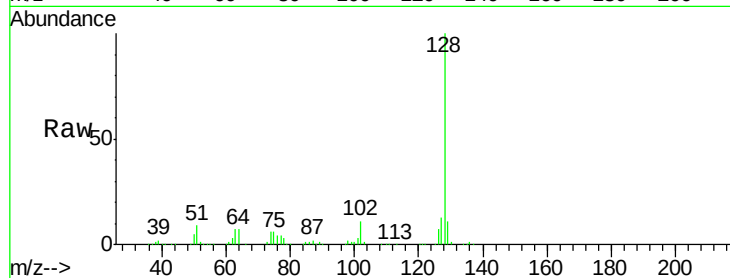
Tgt Ion:128 Resp: 963541

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

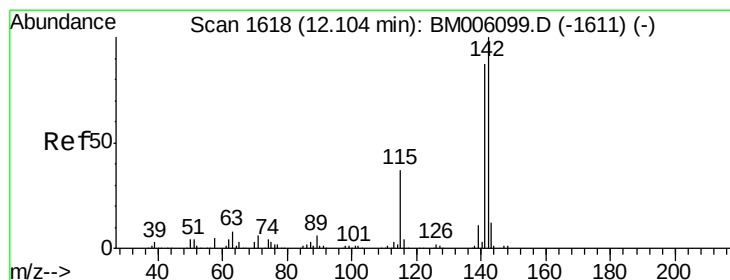
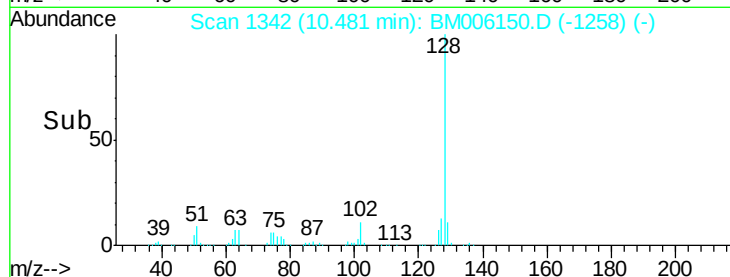
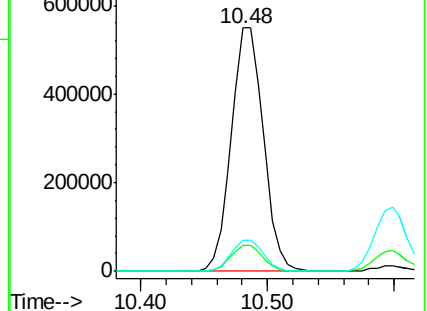
127 12.8 10.5 15.7



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: 16.20 ng/ul

RT: 12.10 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BM006150.D

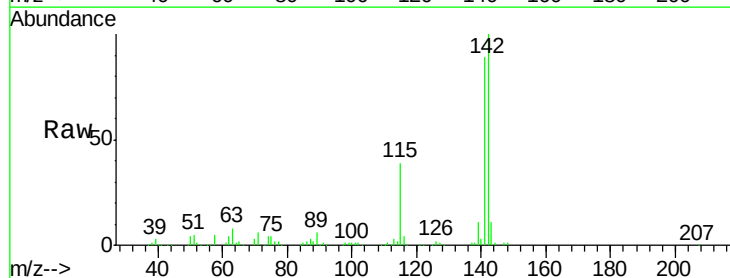
Acq: 30 Jun 2016 06:51

Tgt Ion:142 Resp: 727895

Ion Ratio Lower Upper

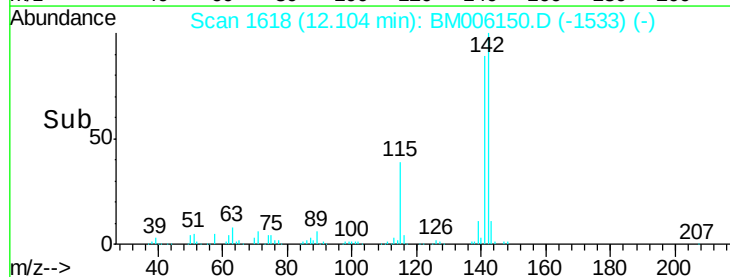
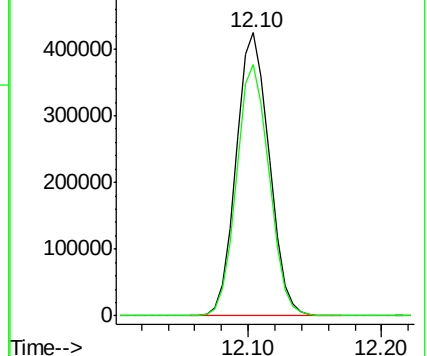
142 100

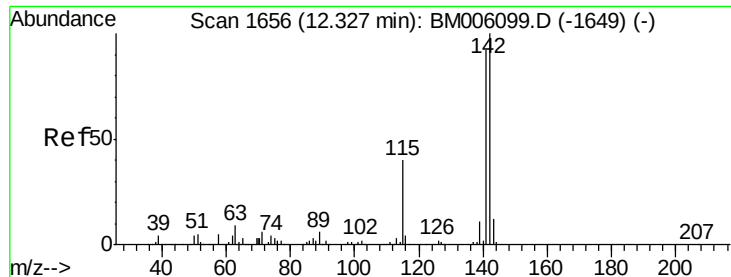
141 88.8 69.0 103.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

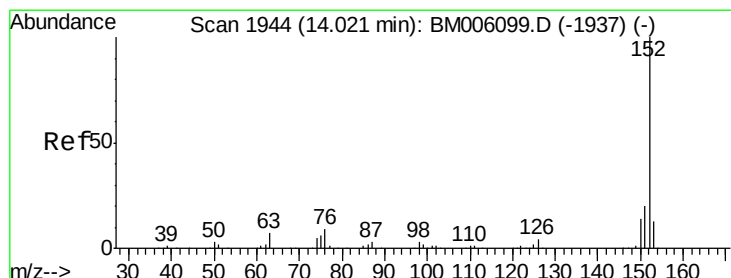
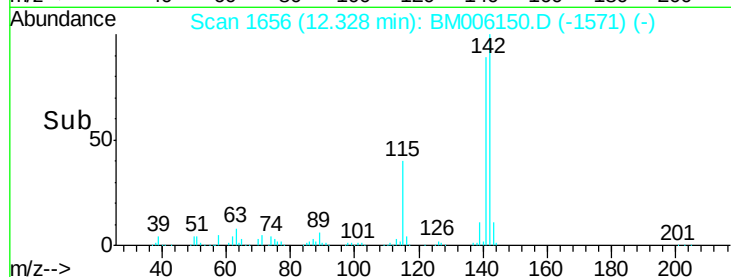
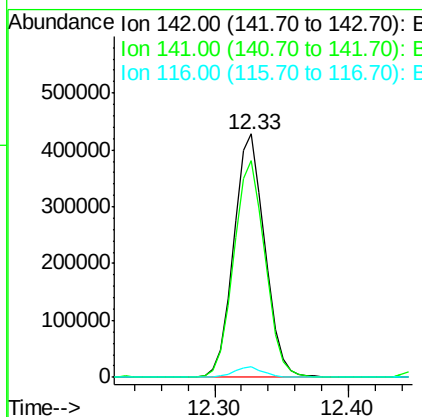
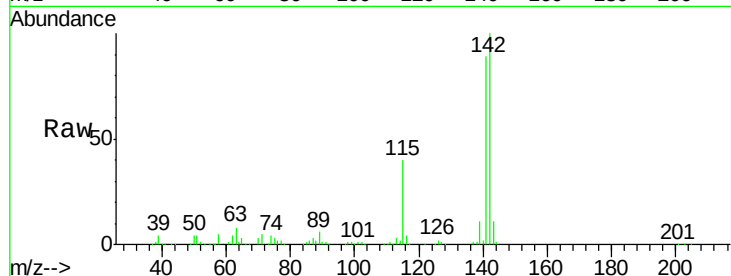




#14
1-Methylnaphthalene
Concen: 16.16 ng/ul
RT: 12.33 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BM006150.D
Acq: 30 Jun 2016 06:51

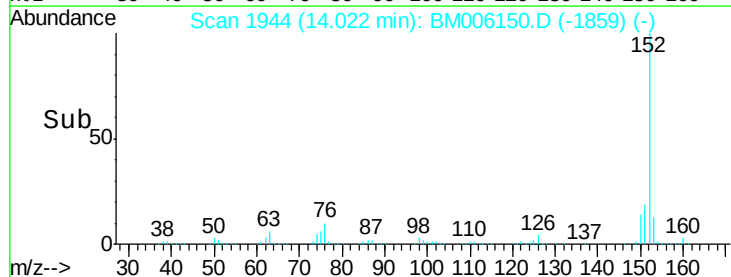
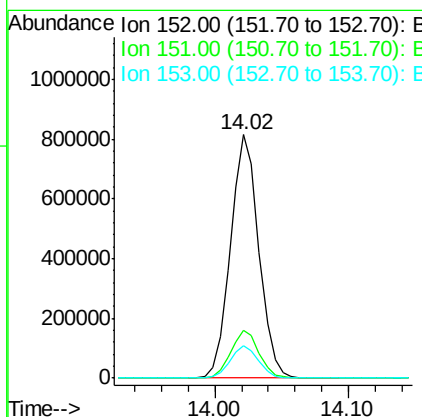
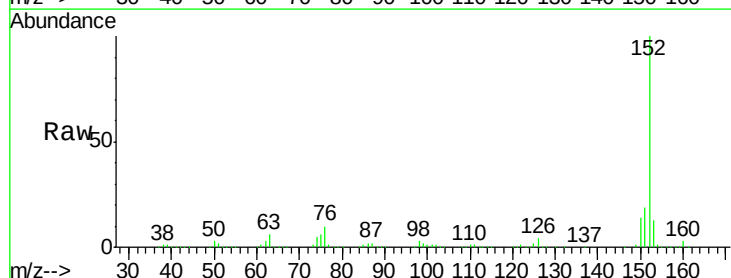
Instrument :
BNA_M
ClientSampleId :
SSTD02053

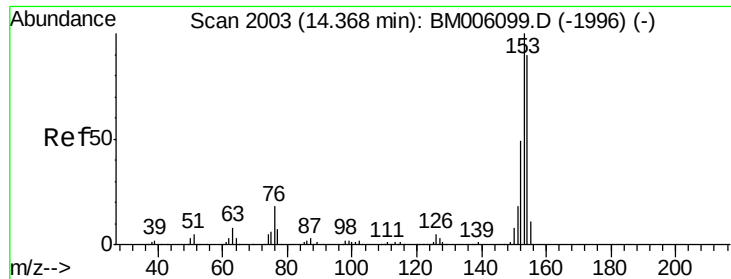
Tgt Ion:142 Resp: 690357
Ion Ratio Lower Upper
142 100
141 89.0 73.0 109.4
116 4.4 3.0 4.6



#18
Acenaphthylene
Concen: 16.62 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: BM006150.D
Acq: 30 Jun 2016 06:51

Tgt Ion:152 Resp: 1205091
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.1 10.3 15.5





#19

Acenaphthene

Concen: 16.39 ng/ul

RT: 14.37 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

Instrument :

BNA_M

ClientSampleId :

SSTD02053

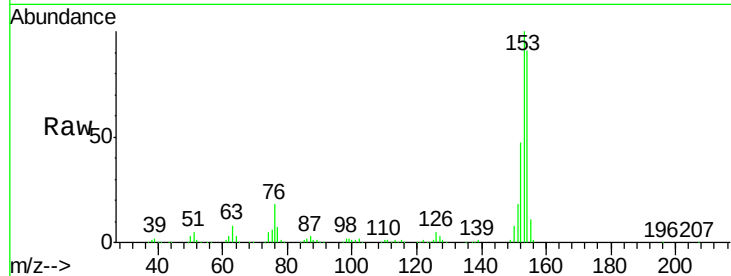
Tgt Ion:153 Resp: 758690

Ion Ratio Lower Upper

153 100

152 47.4 38.1 57.1

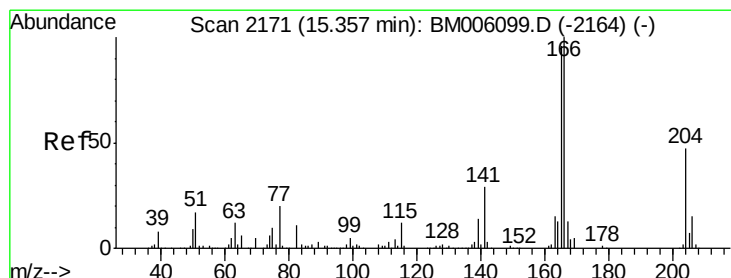
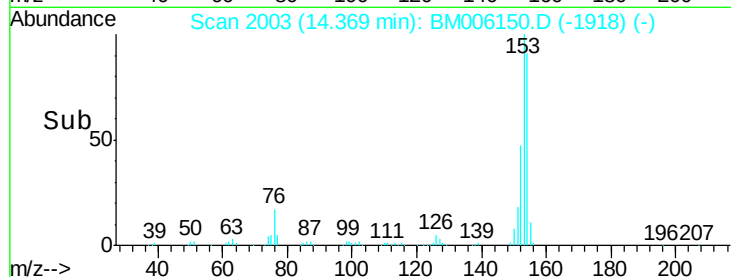
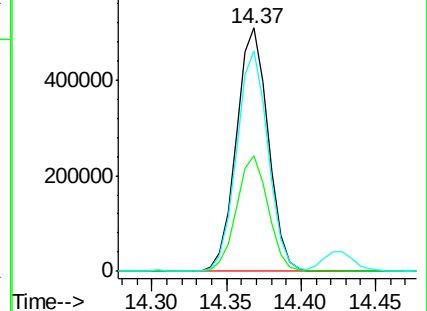
154 90.5 71.6 107.4



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: 16.38 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

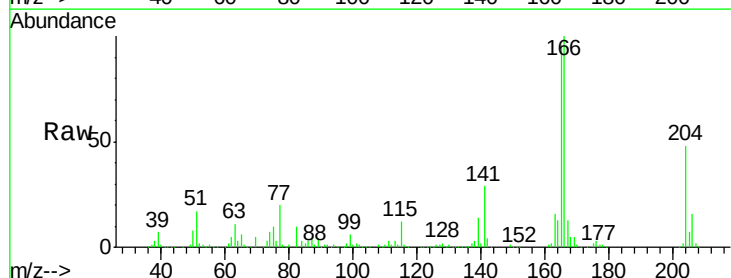
Tgt Ion:166 Resp: 862658

Ion Ratio Lower Upper

166 100

165 96.1 78.4 117.6

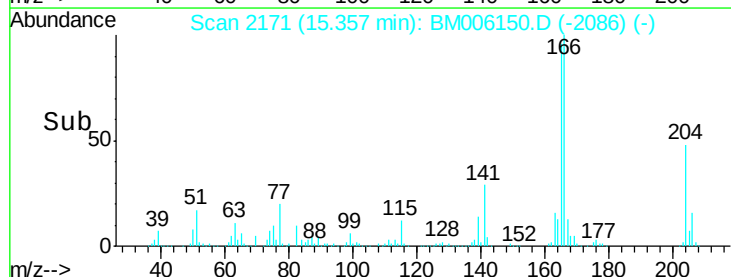
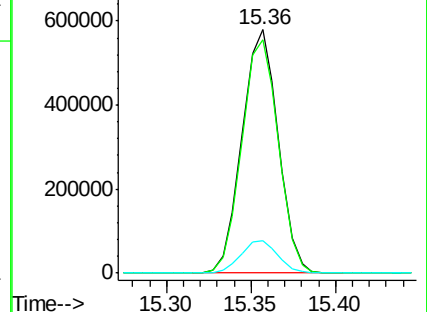
167 13.4 10.6 16.0

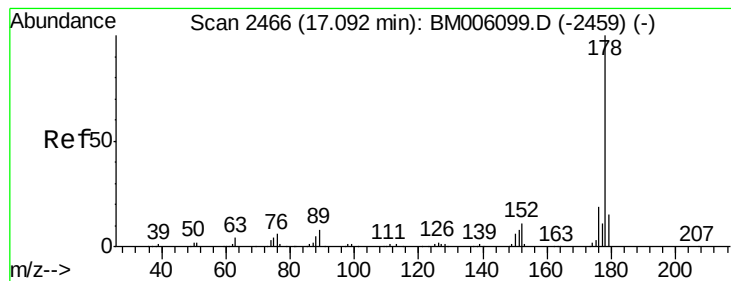


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 16.29 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

Instrument :

BNA_M

ClientSampleId :

SSTD02053

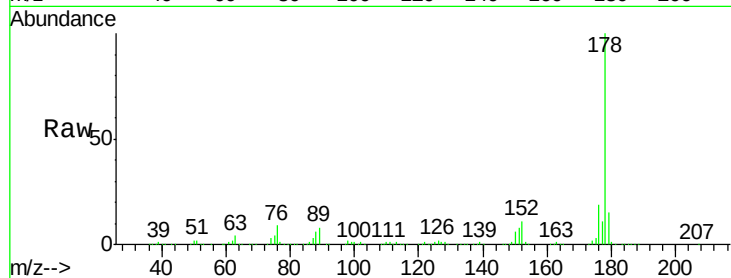
Tgt Ion:178 Resp: 1422312

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

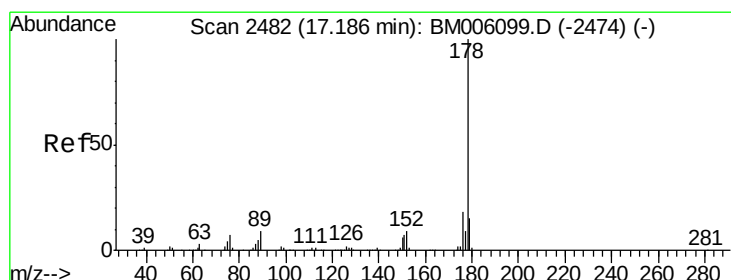
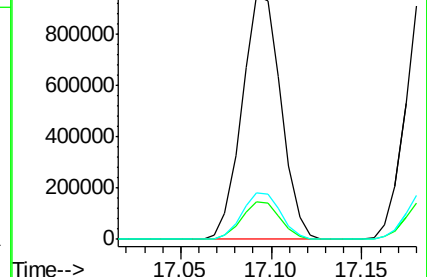
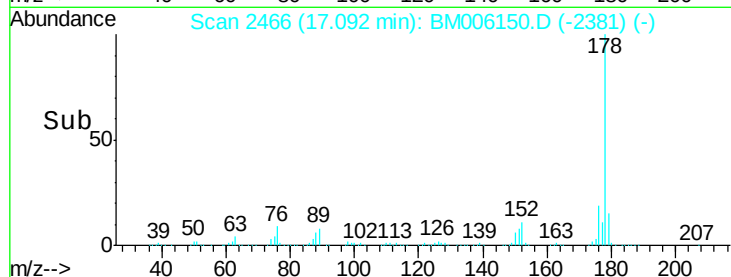
176 19.0 15.3 22.9



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: 16.32 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

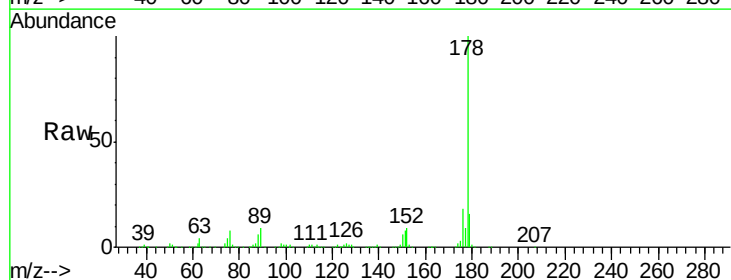
Tgt Ion:178 Resp: 1464295

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

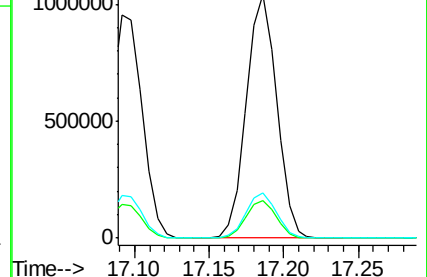
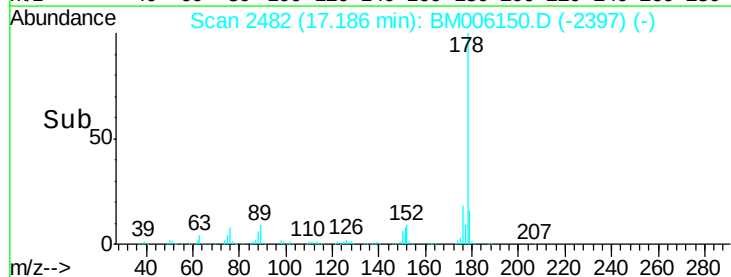
176 18.4 14.6 22.0

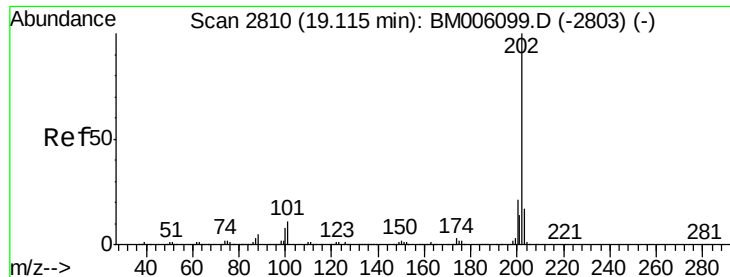


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 15.96 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

Instrument :

BNA_M

ClientSampleId :

SSTD02053

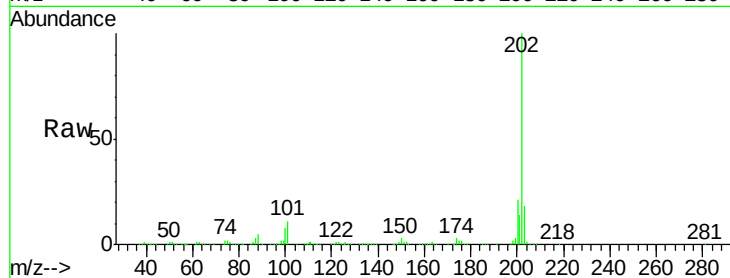
Tgt Ion:202 Resp: 1706766

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

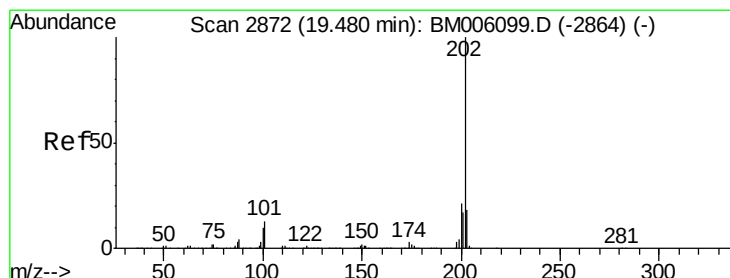
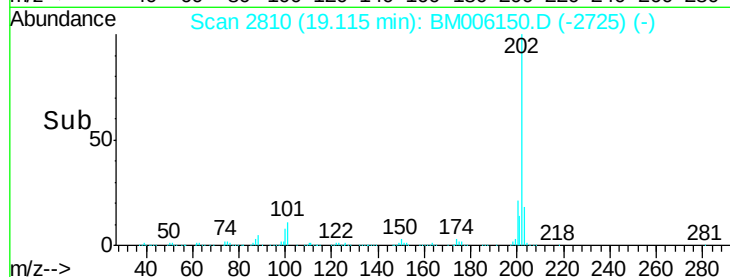
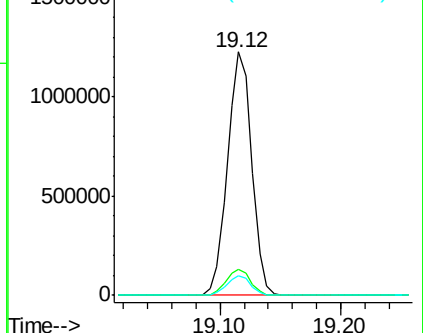
100 7.9 6.5 9.7



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



#31

Pyrene

Concen: 18.45 ng/ul

RT: 19.48 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

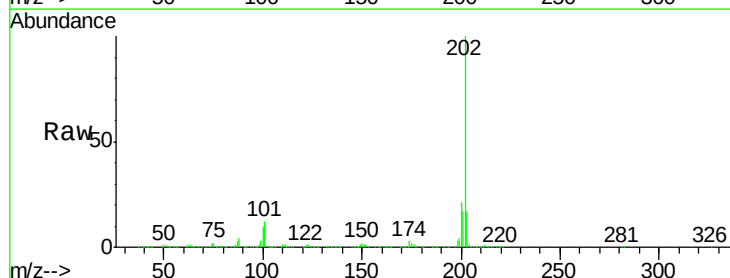
Tgt Ion:202 Resp: 1749130

Ion Ratio Lower Upper

202 100

101 12.5 11.0 16.4

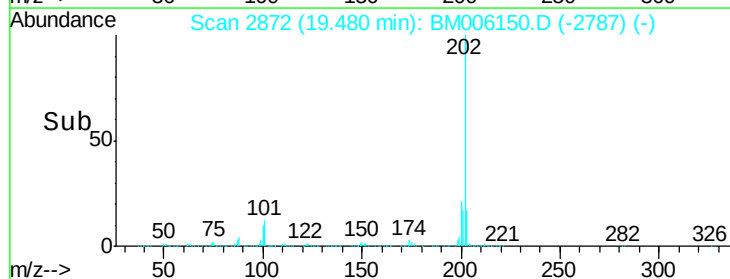
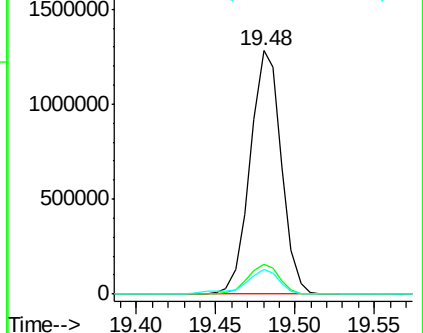
100 10.0 8.9 13.3

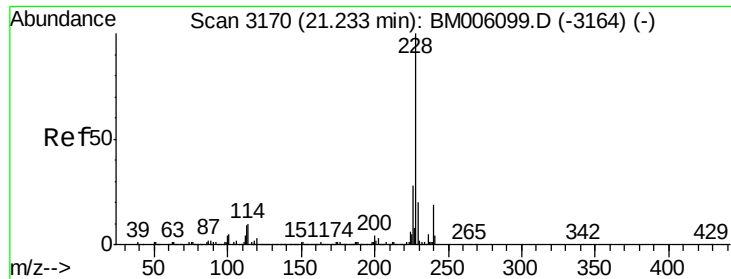


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

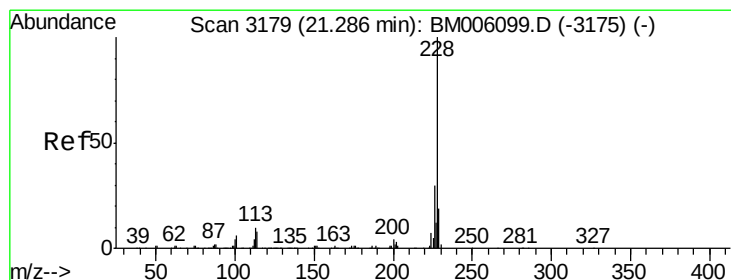
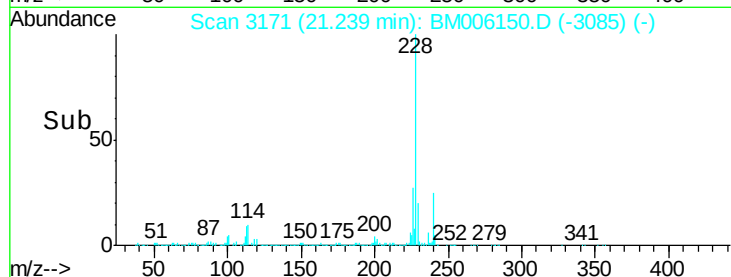
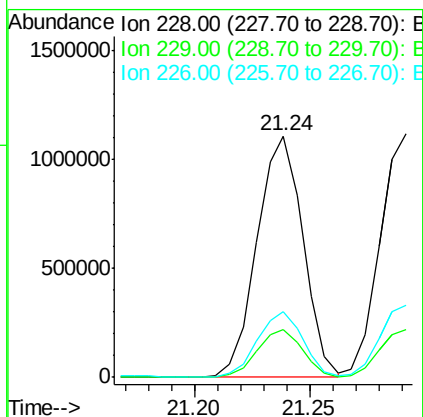
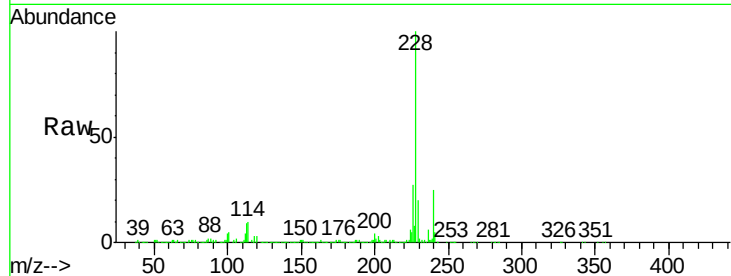




#32
Benzo(a)anthracene
Concen: 16.38 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. 0.01 min
Lab File: BM006150.D
Acq: 30 Jun 2016 06:51

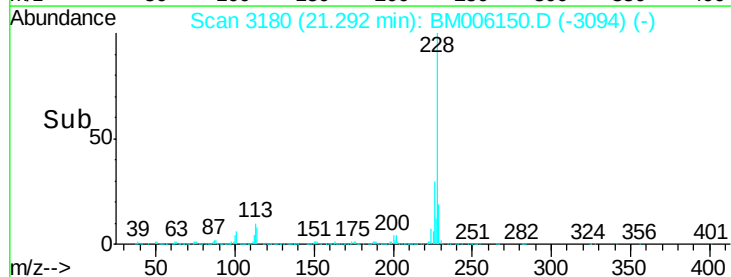
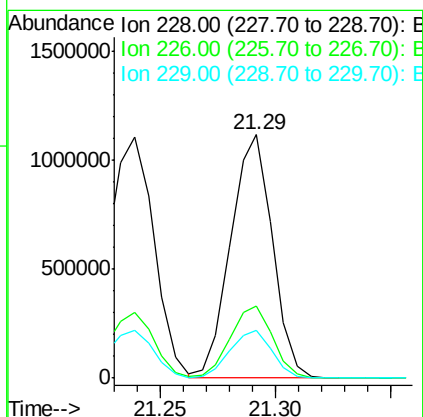
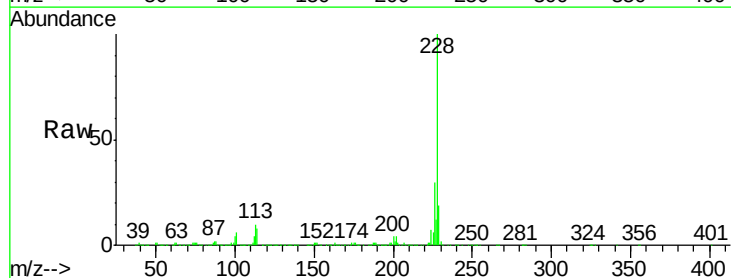
Instrument :
BNA_M
ClientSampleId :
SSTD02053

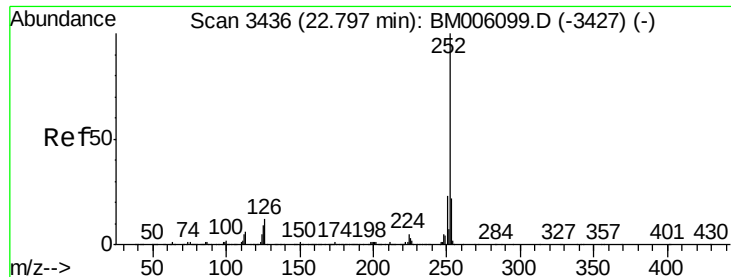
Tgt Ion:228 Resp: 1531094
Ion Ratio Lower Upper
228 100
229 19.6 15.6 23.4
226 27.1 21.6 32.4



#33
Chrysene
Concen: 16.32 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BM006150.D
Acq: 30 Jun 2016 06:51

Tgt Ion:228 Resp: 1404064
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 19.4 15.8 23.6

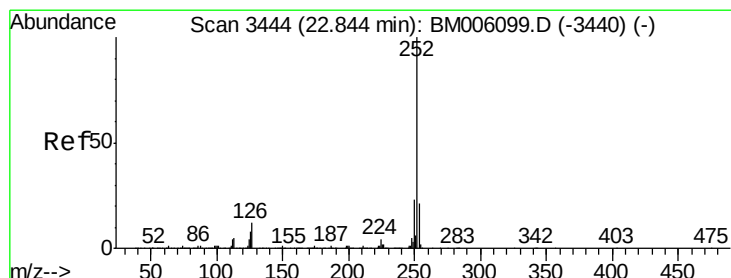
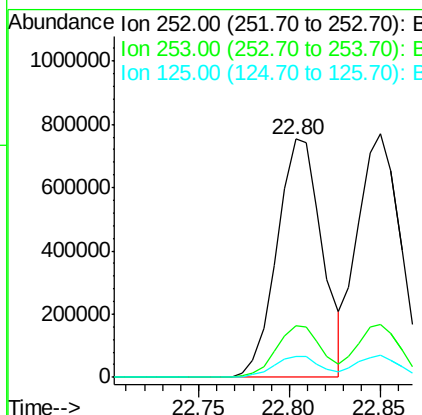
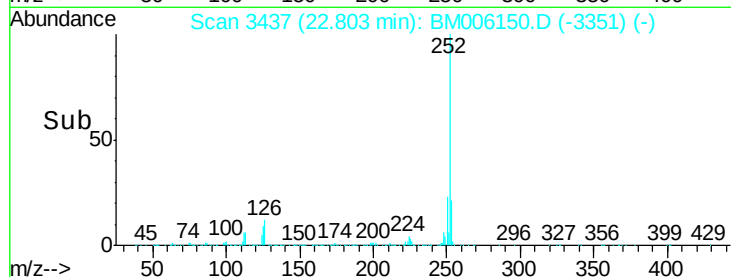
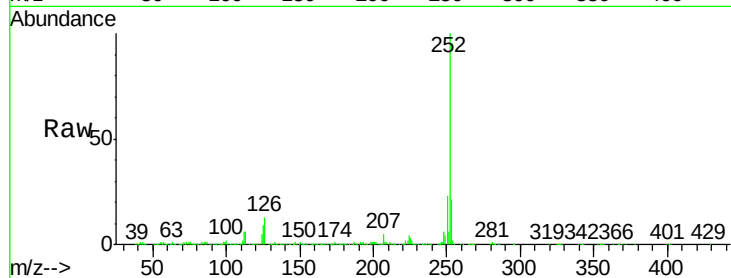




#35
Benzo(b)fluoranthene
Concen: 16.74 ng/ul
RT: 22.80 min Scan# 3437
Delta R.T. 0.01 min
Lab File: BM006150.D
Acq: 30 Jun 2016 06:51

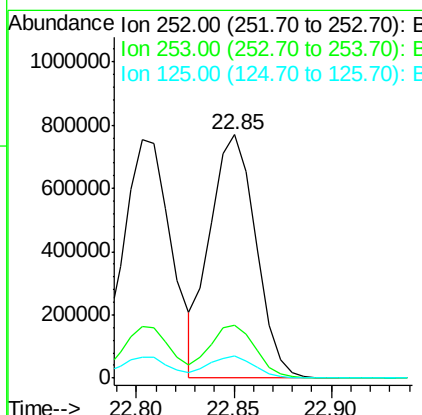
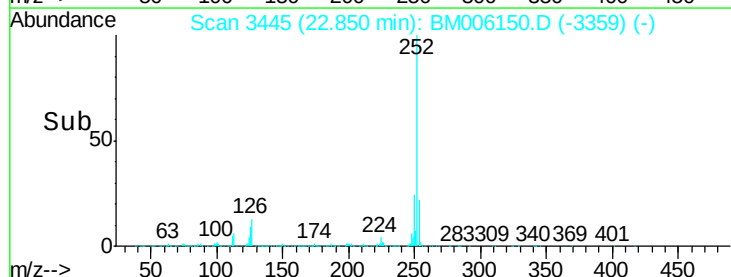
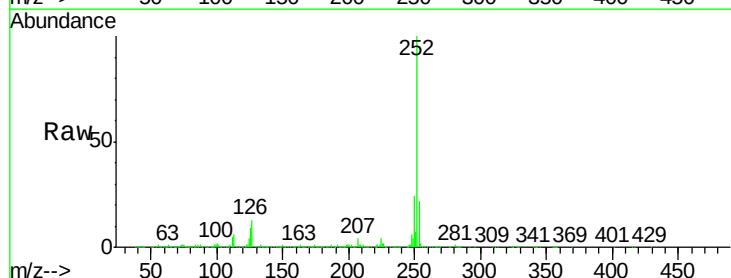
Instrument :
BNA_M
ClientSampleId :
SSTD02053

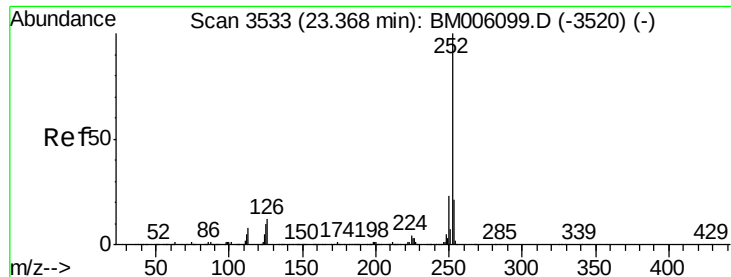
Tgt Ion:252 Resp: 1311457
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 8.8 7.8 11.6



#36
Benzo(k)fluoranthene
Concen: 17.02 ng/ul
RT: 22.85 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM006150.D
Acq: 30 Jun 2016 06:51

Tgt Ion:252 Resp: 1250682
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.2 8.1 12.1





#38

Benzo(a)pyrene

Concen: 16.22 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

Instrument :

BNA_M

ClientSampleId :

SSTD02053

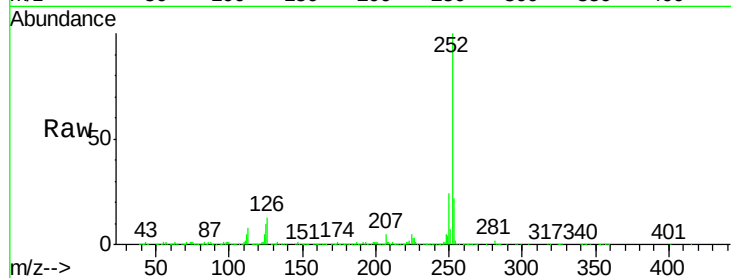
Tgt Ion:252 Resp: 1200789

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

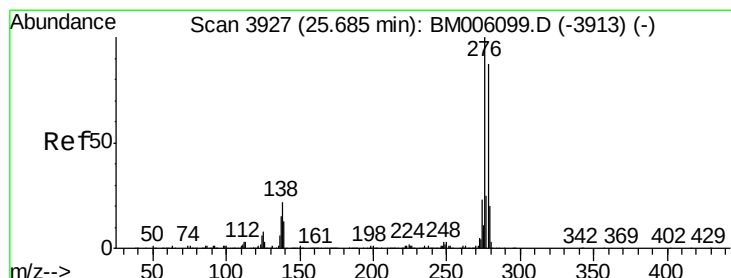
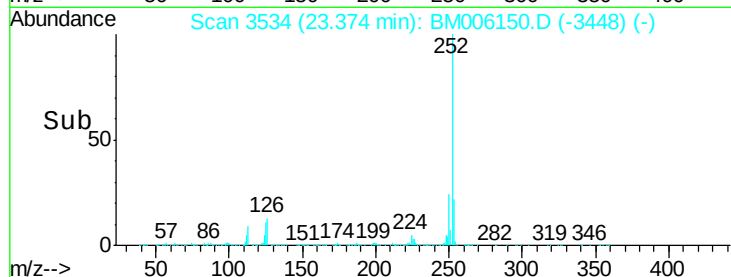
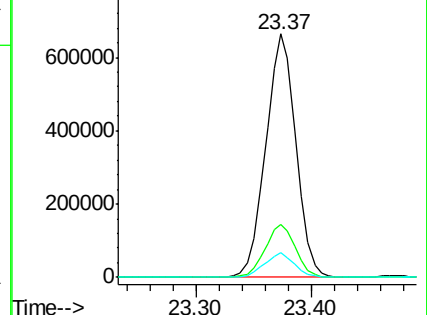
125 10.0 8.7 13.1



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: 17.39 ng/ul

RT: 25.69 min Scan# 3927

Delta R.T. 0.00 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

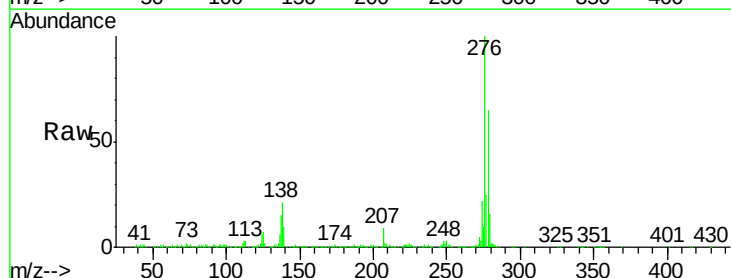
Tgt Ion:276 Resp: 1338398

Ion Ratio Lower Upper

276 100

138 20.9 20.4 30.6

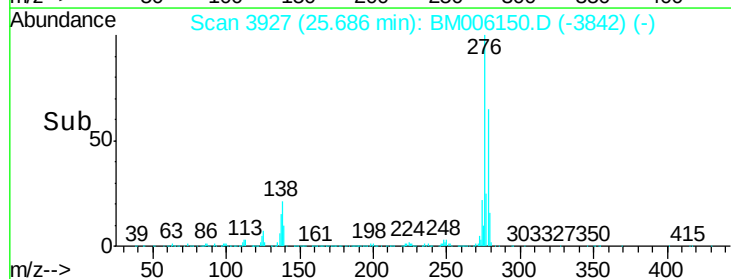
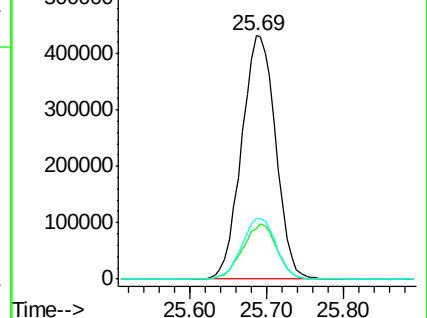
277 25.1 20.6 30.8

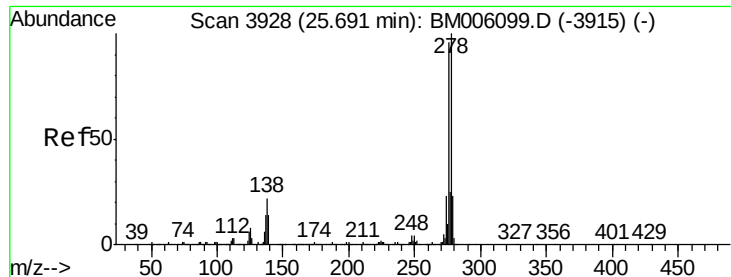


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 17.57 ng/ul

RT: 25.70 min Scan# 3930

Delta R.T. 0.01 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

Instrument :

BNA_M

ClientSampleId :

SSTD02053

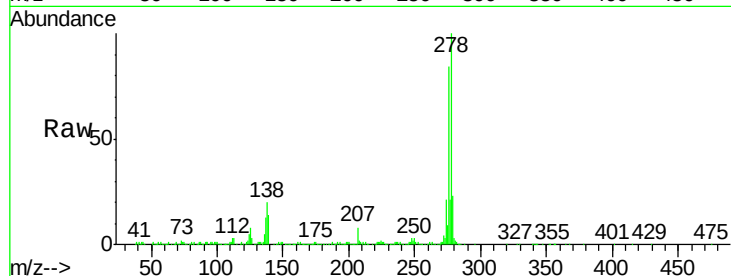
Tgt Ion:278 Resp: 1118441

Ion Ratio Lower Upper

278 100

139 14.0 13.0 19.4

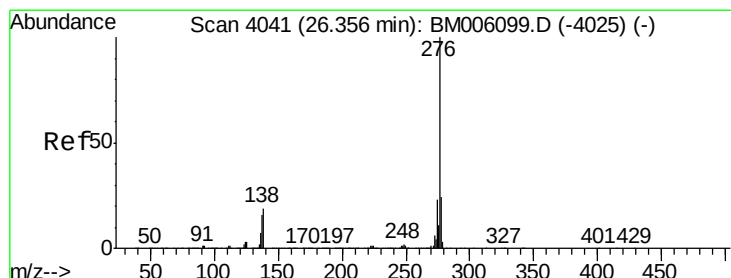
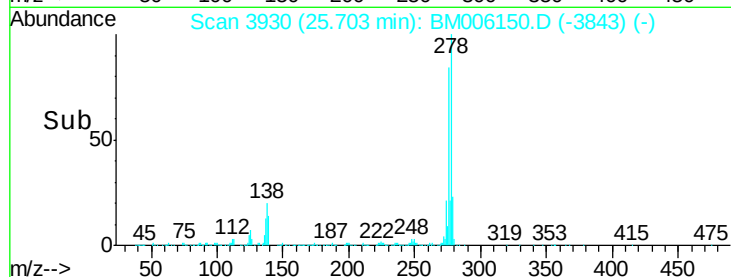
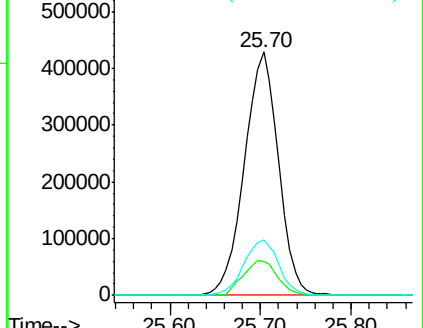
279 22.9 18.8 28.2



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: 18.02 ng/ul

RT: 26.37 min Scan# 4044

Delta R.T. 0.02 min

Lab File: BM006150.D

Acq: 30 Jun 2016 06:51

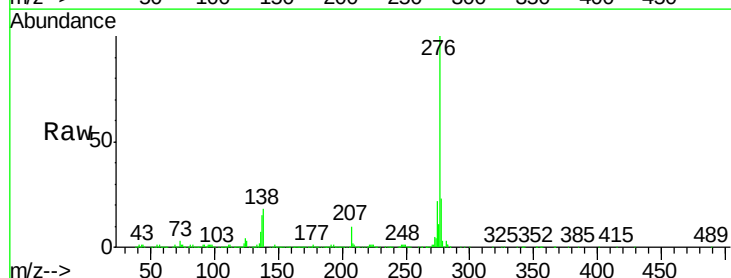
Tgt Ion:276 Resp: 1160743

Ion Ratio Lower Upper

276 100

138 18.4 16.6 25.0

277 22.7 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

