

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
 Data File : BM006583.D
 Acq On : 21 Jul 2016 09:01
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02057

Quant Time: Jul 21 15:41:47 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	147263	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	622229	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	344174	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	769562	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	896100	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	946272	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	26880	7.38	ng/uL	0.00
3) Phenol-d5	6.79	99	260298	20.78	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	159933	20.61	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	201855	20.16	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	198552	20.43	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	94398	20.04	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	101128	20.19	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	189410	20.01	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	255763	24.54	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	540547	20.03	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	706678	20.52	ng/ul	0.00
20) 4-Nitrophenol-d4	14.48	143	93324	19.91	ng/ul	0.00
21) Fluorene-d10	15.26	176	485884	20.13	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.39	200	77734	19.46	ng/ul	0.00
26) Anthracene-d10	17.11	188	744207	20.37	ng/ul	0.00
30) Pyrene-d10	19.42	212	833535	20.41	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	885823	20.35	ng/ul	0.00

Target Compounds

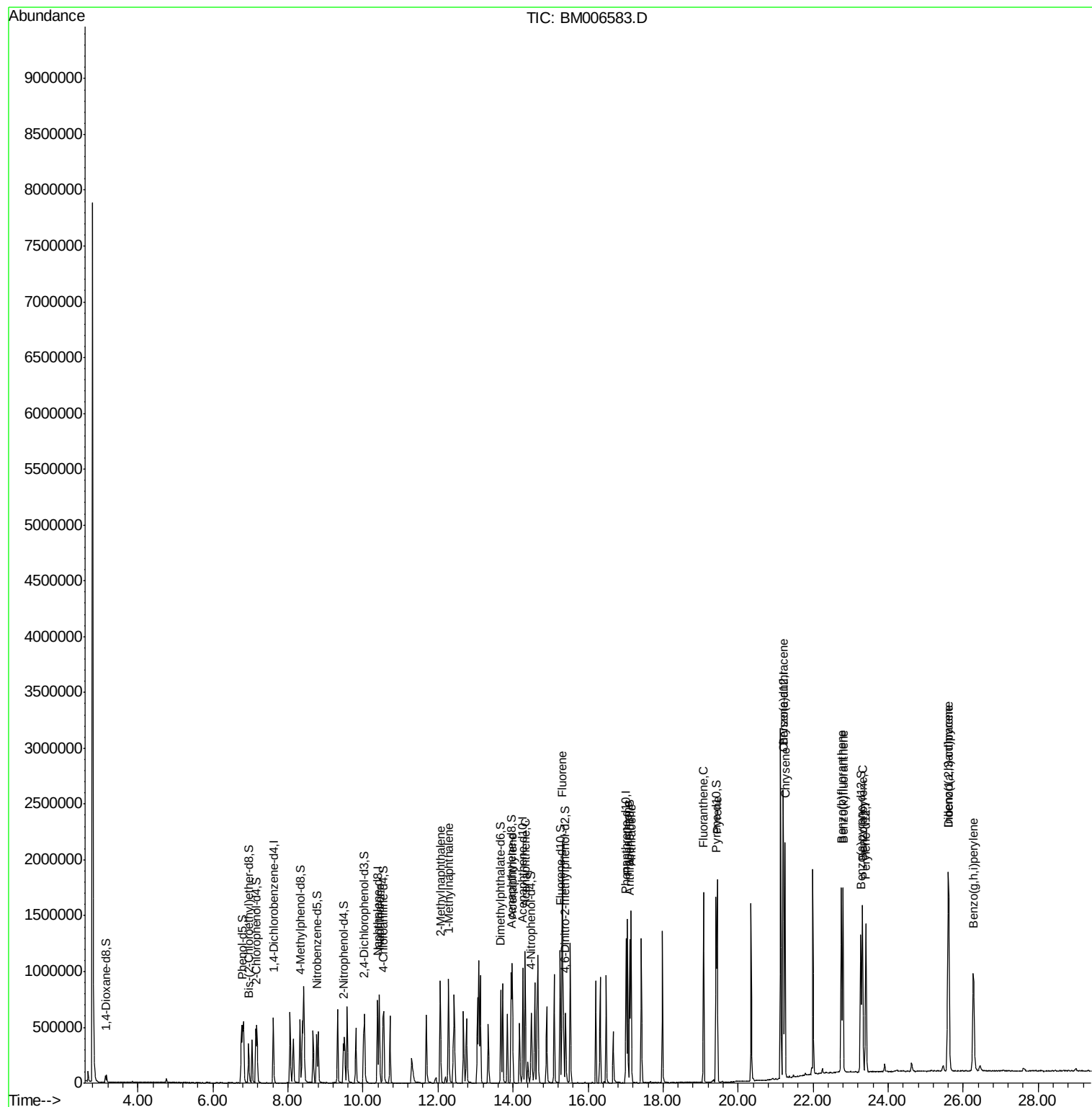
						Qvalue
11) Naphthalene	10.44	128	646548	20.15	ng/ul	99
13) 2-Methylnaphthalene	12.06	142	467537	19.86	ng/ul	97
14) 1-Methylnaphthalene	12.28	142	445325	19.83	ng/ul#	95
18) Acenaphthylene	13.98	152	750909	20.36	ng/ul	96
19) Acenaphthene	14.33	153	480160	20.25	ng/ul	96
22) Fluorene	15.32	166	544935	20.40	ng/ul	96
25) Phenanthrene	17.06	178	887365	20.50	ng/ul	99
27) Anthracene	17.14	178	923873	20.73	ng/ul	98
28) Fluoranthene	19.08	202	1053813	20.73	ng/ul	98
31) Pyrene	19.44	202	1116768	20.58	ng/ul	97
32) Benzo(a)anthracene	21.20	228	1105643	20.36	ng/ul	97
33) Chrysene	21.25	228	1016699	20.30	ng/ul	99
35) Benzo(b)fluoranthene	22.76	252	1142448	20.14	ng/ul	97
36) Benzo(k)fluoranthene	22.80	252	1127500	20.56	ng/ul	99
38) Benzo(a)pyrene	23.31	252	1115671	20.21	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.61	276	1288211	20.15	ng/ul	95
40) Dibenzo(a,h)anthracene	25.61	278	1078806	20.36	ng/ul	97
41) Benzo(g,h,i)perylene	26.28	276	1094432	19.97	ng/ul	97

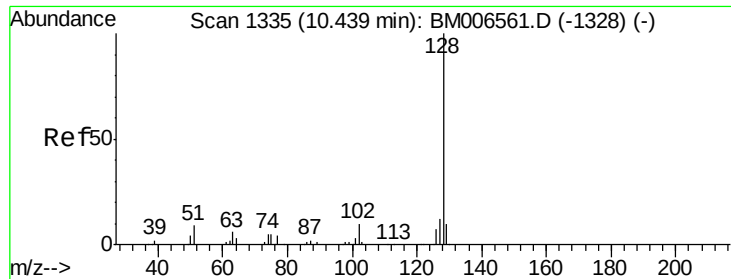
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072116\
Data File : BM006583.D
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Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02057

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
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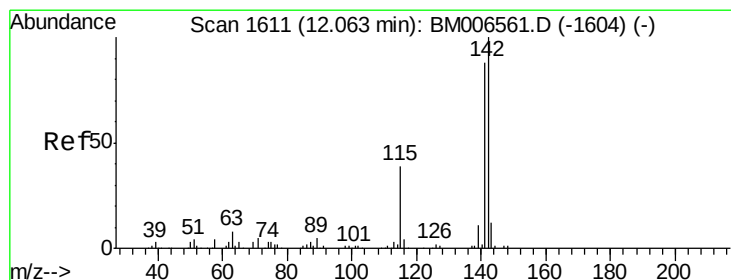
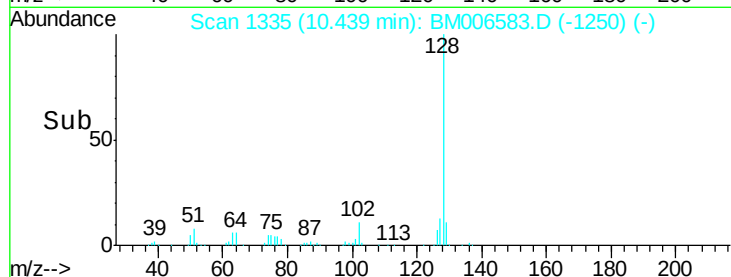
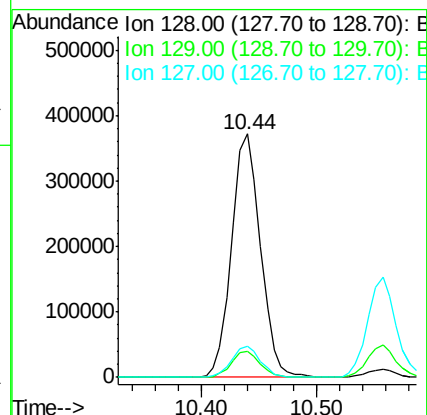
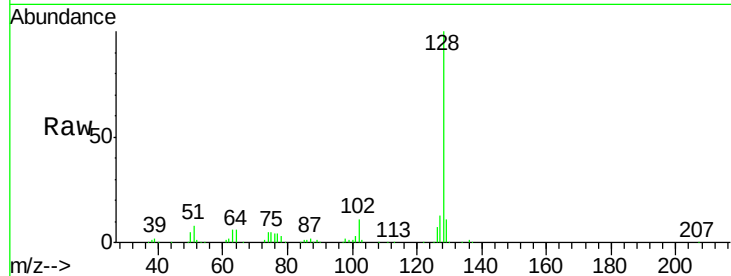




#11
Naphthalene
Concen: 20.15 ng/ul
RT: 10.44 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

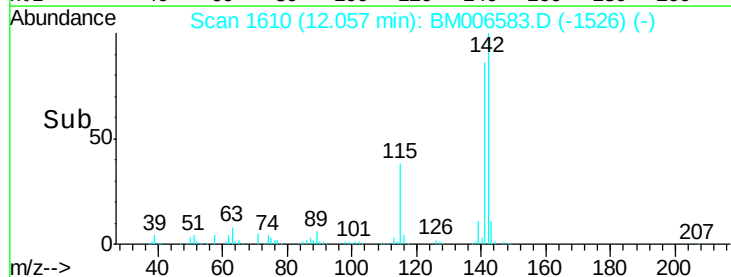
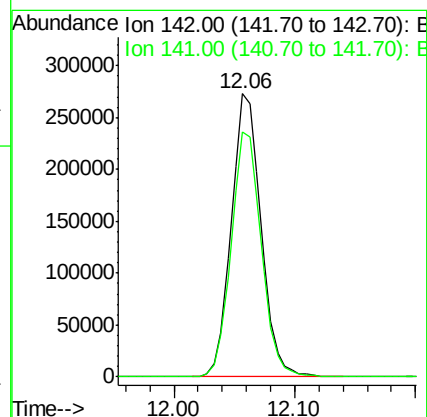
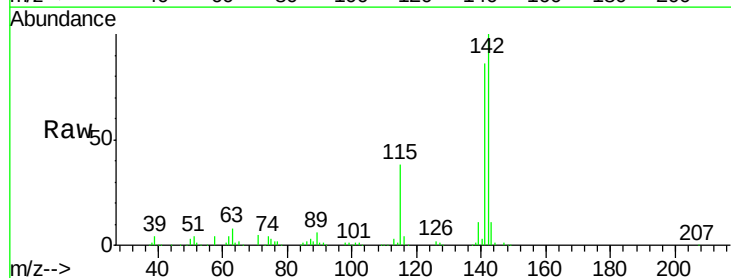
Instrument :
BNA_M
ClientSampleId :
SSTD02057

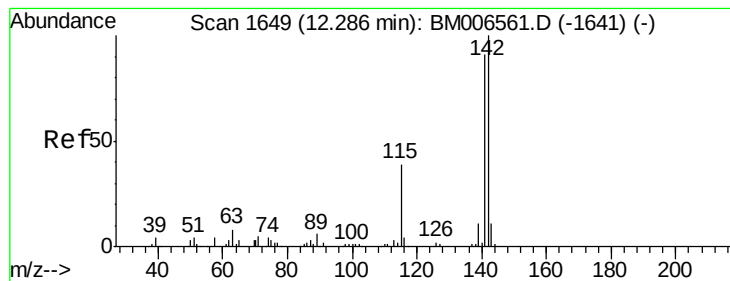
Tgt Ion:128 Resp: 646548
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 12.7 10.8 16.2



#13
2-Methylnaphthalene
Concen: 19.86 ng/ul
RT: 12.06 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

Tgt Ion:142 Resp: 467537
Ion Ratio Lower Upper
142 100
141 86.4 71.3 106.9





#14

1-Methylnaphthalene

Concen: 19.83 ng/ul

RT: 12.28 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

Instrument :

BNA_M

ClientSampleId :

SSTD02057

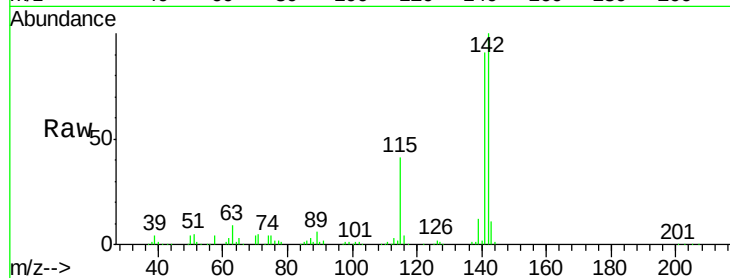
Tgt Ion:142 Resp: 445325

Ion Ratio Lower Upper

142 100

141 91.2 77.0 115.4

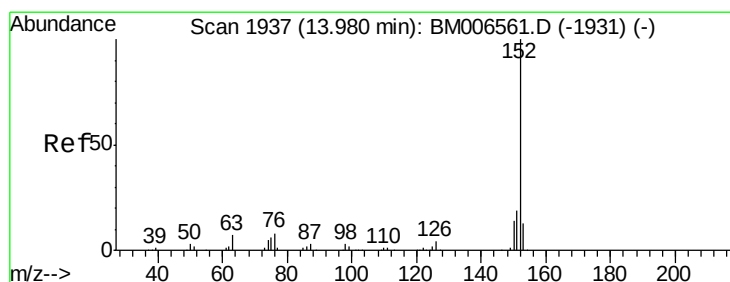
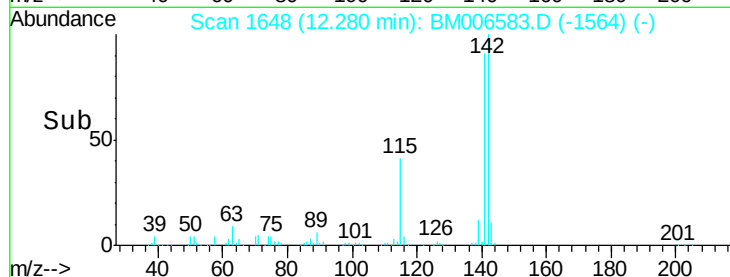
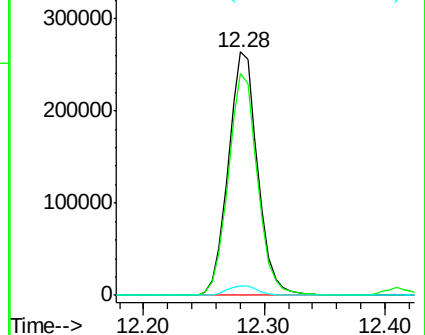
116 4.0 4.2 6.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#18

Acenaphthylene

Concen: 20.36 ng/ul

RT: 13.98 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

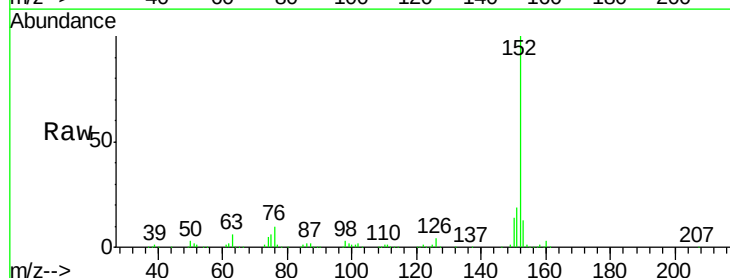
Tgt Ion:152 Resp: 750909

Ion Ratio Lower Upper

152 100

151 19.4 17.3 25.9

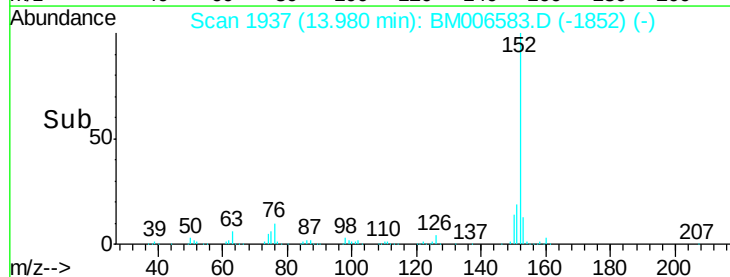
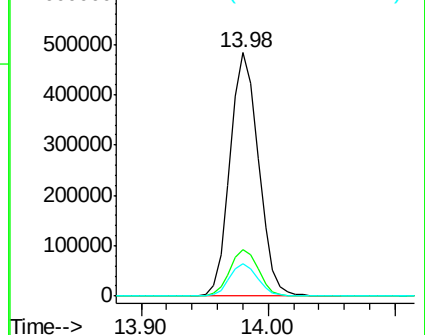
153 13.3 11.1 16.7

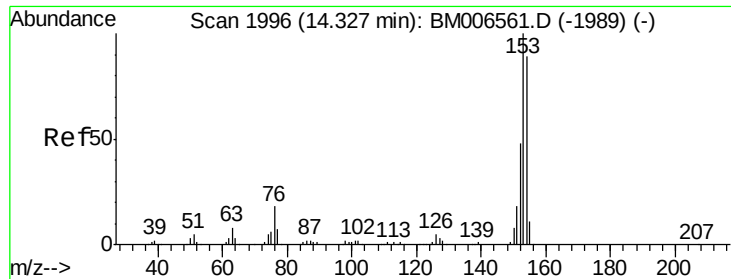


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 20.25 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

Instrument :

BNA_M

ClientSampleId :

SSTD02057

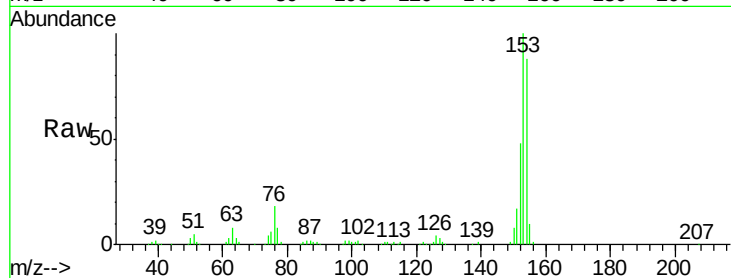
Tgt Ion:153 Resp: 480160

Ion Ratio Lower Upper

153 100

152 47.8 36.5 54.7

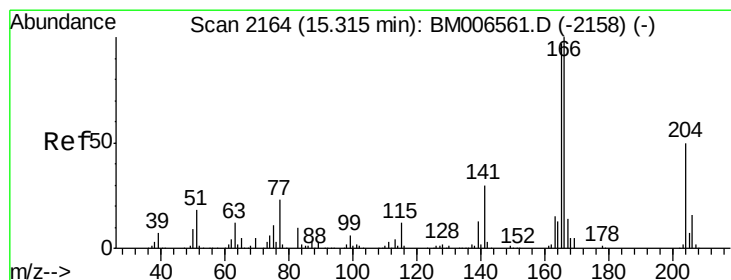
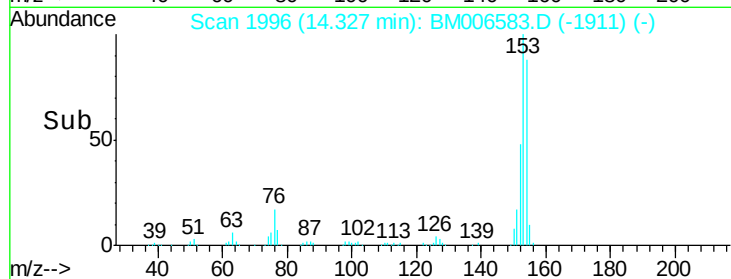
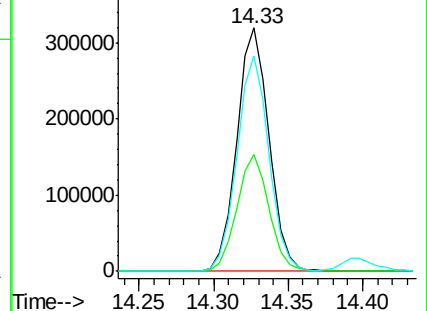
154 88.3 67.3 100.9



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: 20.40 ng/ul

RT: 15.32 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

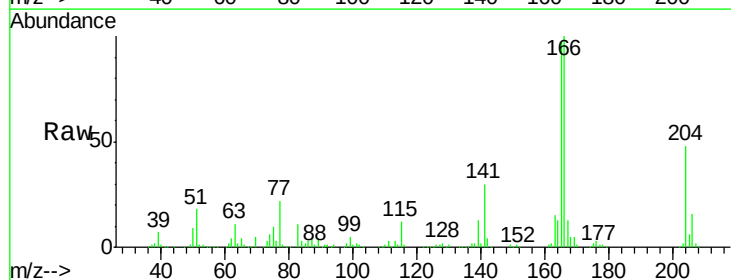
Tgt Ion:166 Resp: 544935

Ion Ratio Lower Upper

166 100

165 96.7 81.1 121.7

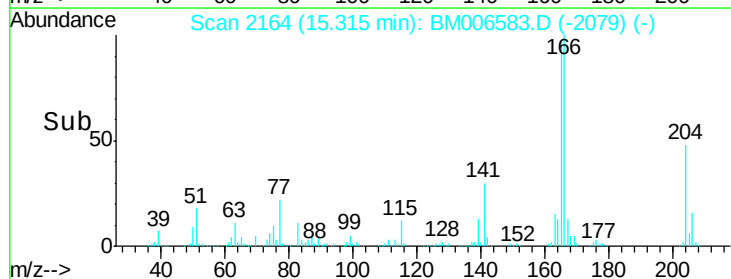
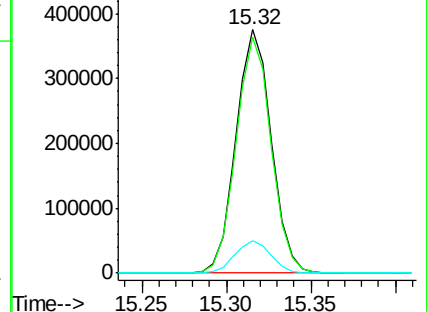
167 13.4 10.6 16.0

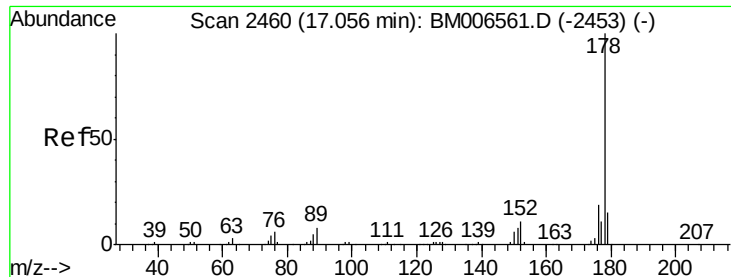


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

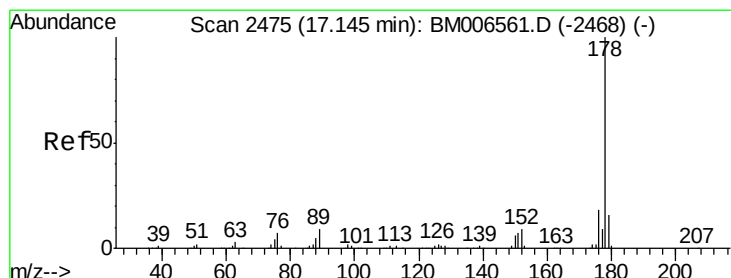
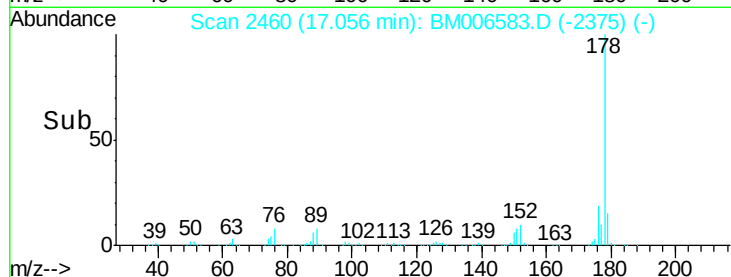
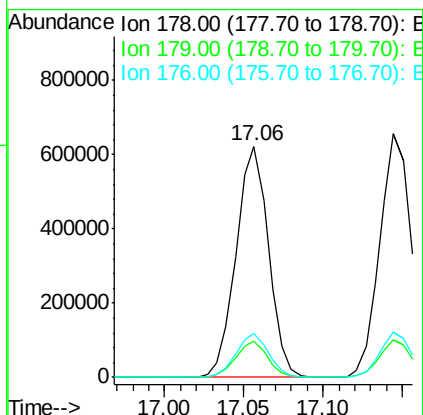
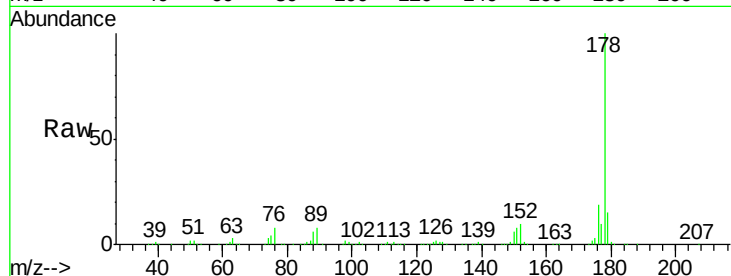




#25
Phenanthrene
Concen: 20.50 ng/ul
RT: 17.06 min Scan# 2460
Delta R.T. -0.00 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

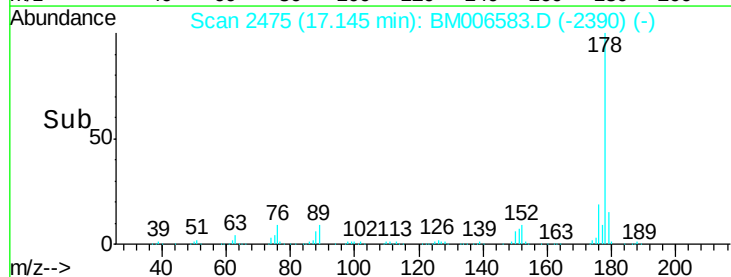
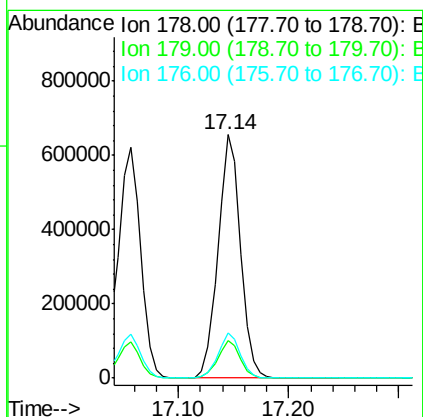
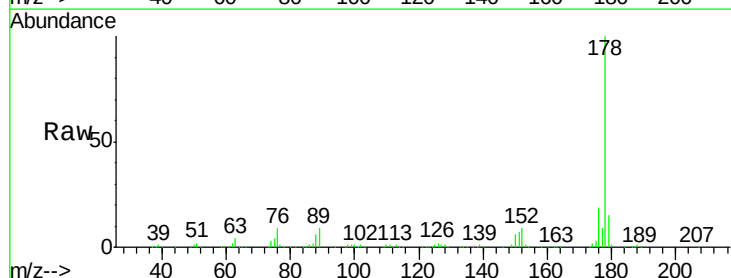
Instrument :
BNA_M
ClientSampleId :
SSTD02057

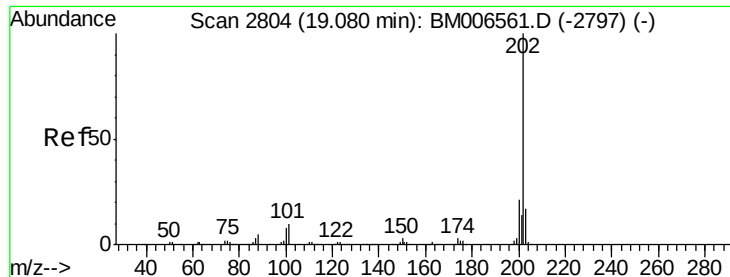
Tgt Ion:178 Resp: 887365
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 18.9 14.8 22.2



#27
Anthracene
Concen: 20.73 ng/ul
RT: 17.14 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

Tgt Ion:178 Resp: 923873
Ion Ratio Lower Upper
178 100
179 15.4 12.9 19.3
176 18.8 15.6 23.4





#28

Fluoranthene

Concen: 20.73 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

Instrument :

BNA_M

ClientSampleId :

SSTD02057

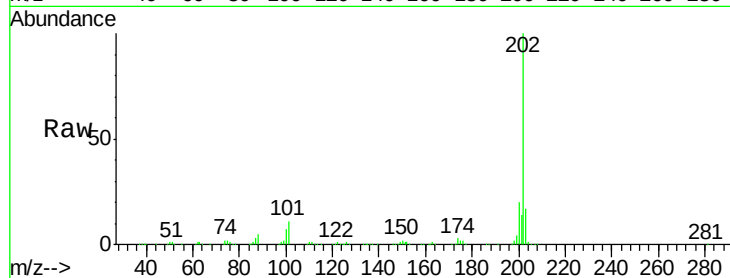
Tgt Ion:202 Resp: 1053813

Ion Ratio Lower Upper

202 100

101 10.6 8.9 13.3

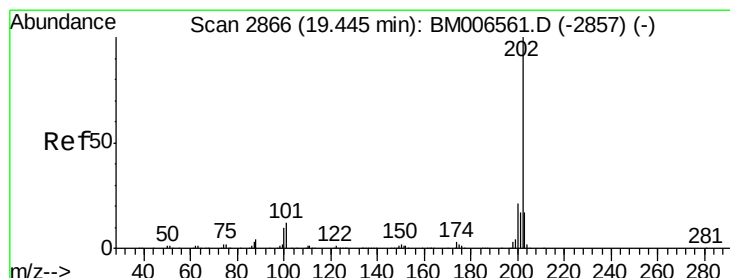
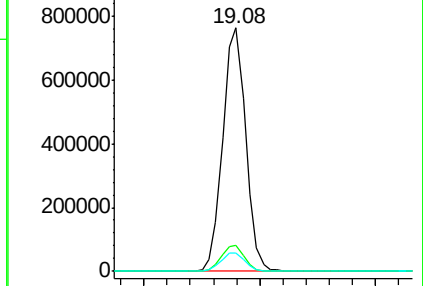
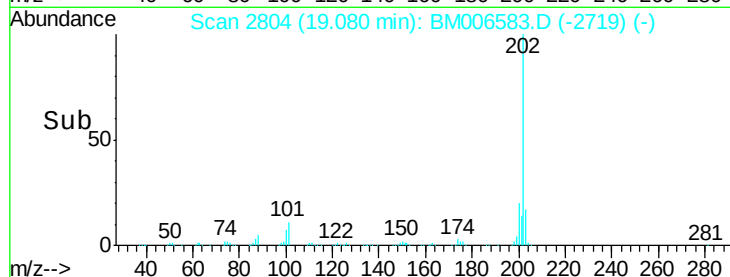
100 7.4 7.0 10.4



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: 20.58 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

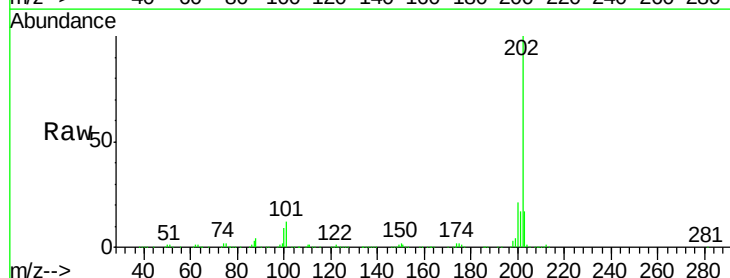
Tgt Ion:202 Resp: 1116768

Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.8

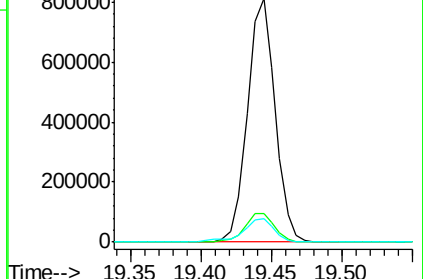
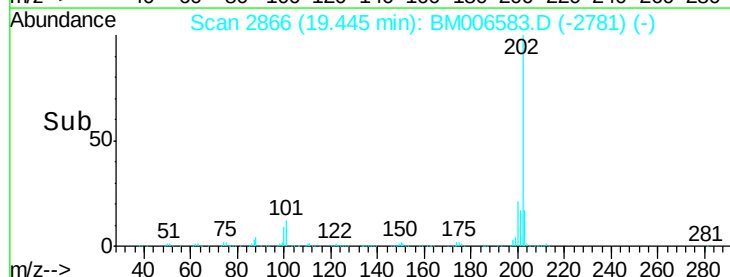
100 9.5 9.3 13.9

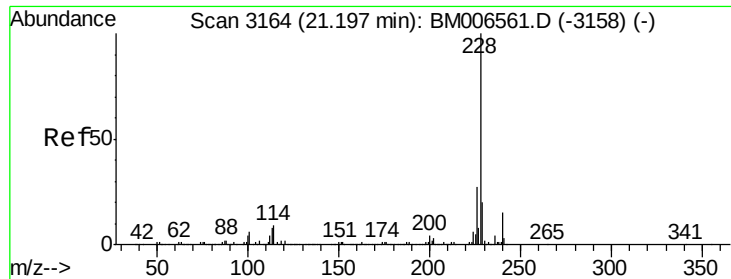


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.36 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

Instrument :

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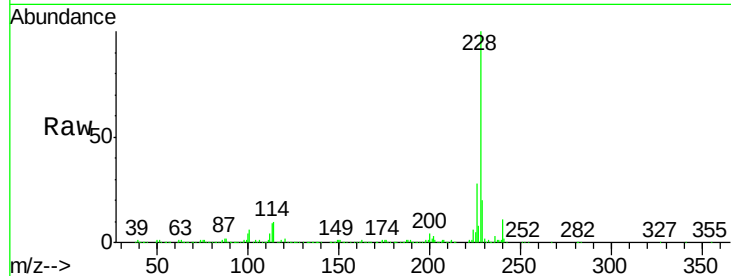
Tgt Ion:228 Resp: 1105643

Ion Ratio Lower Upper

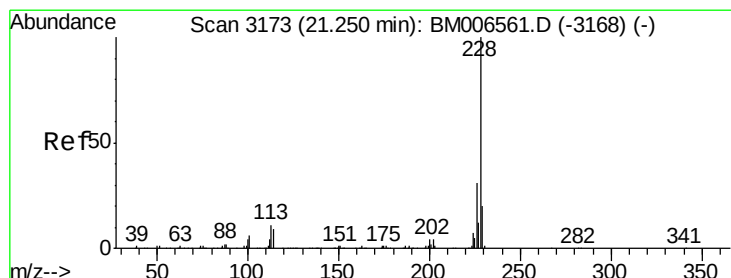
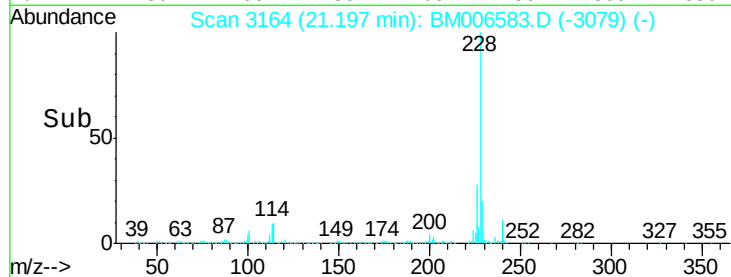
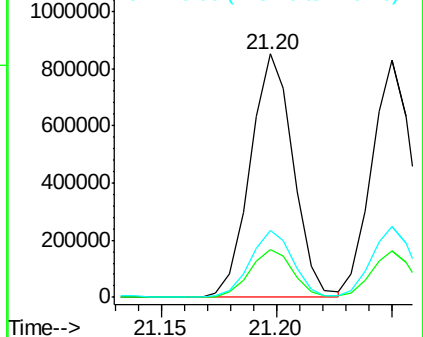
228 100

229 19.6 16.6 25.0

226 27.5 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: 20.30 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

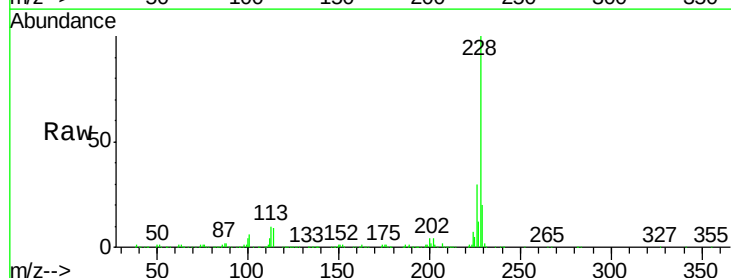
Tgt Ion:228 Resp: 1016699

Ion Ratio Lower Upper

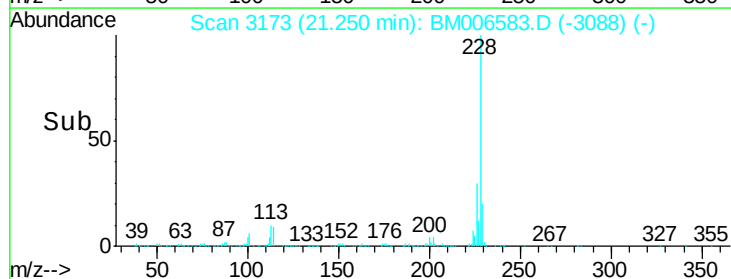
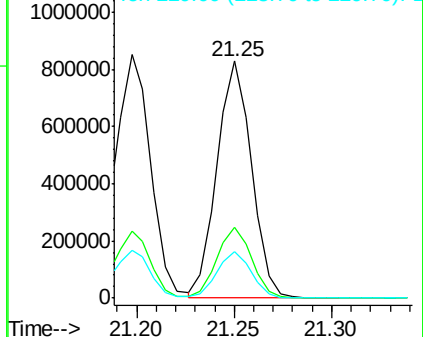
228 100

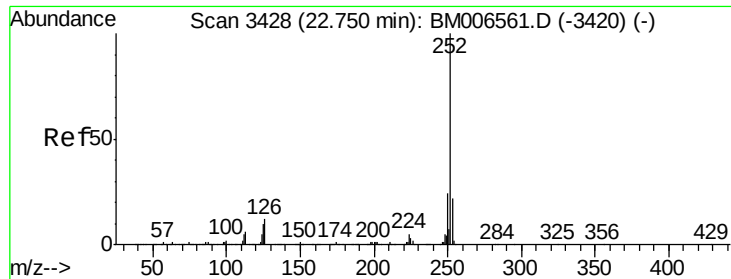
226 29.8 23.4 35.2

229 19.5 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

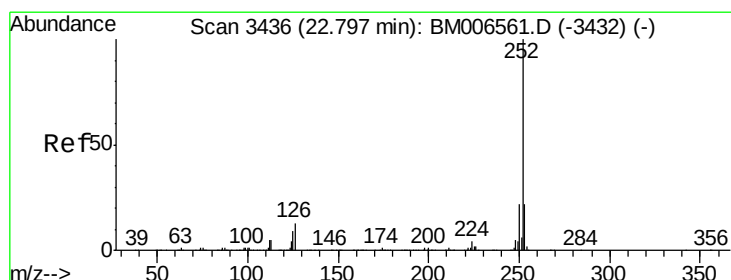
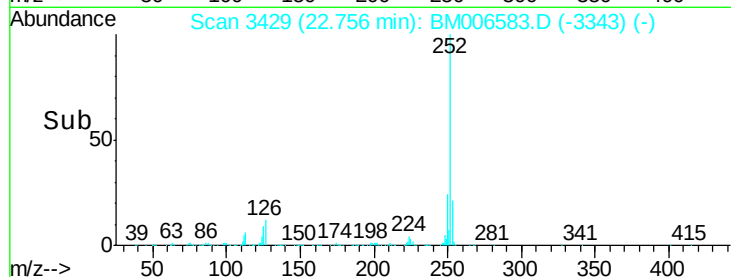
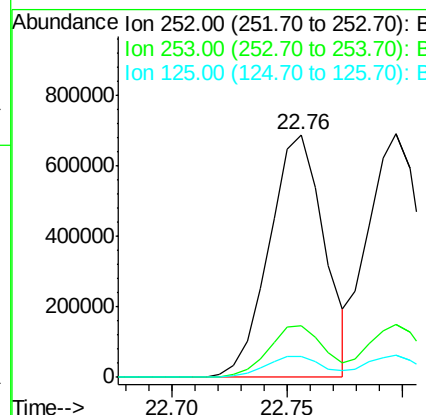
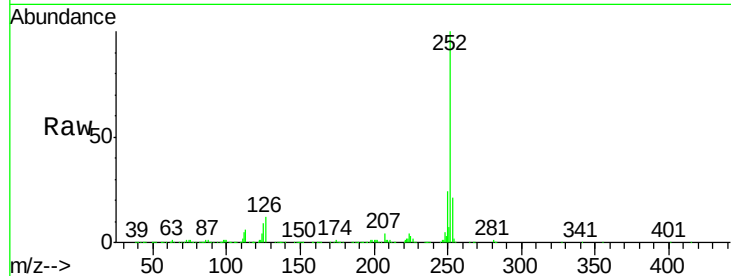




#35
Benzo(b)fluoranthene
Concen: 20.14 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.01 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

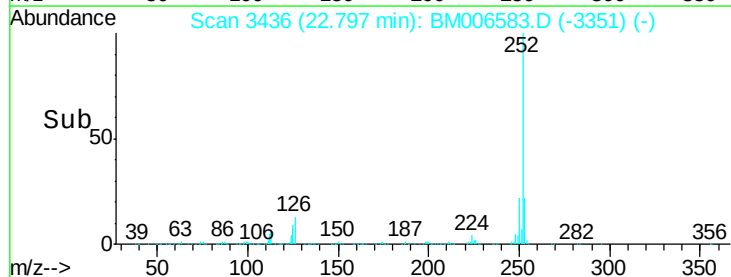
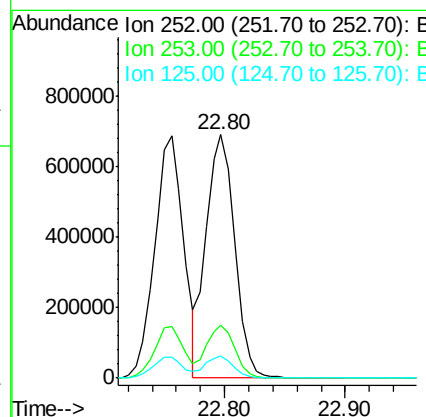
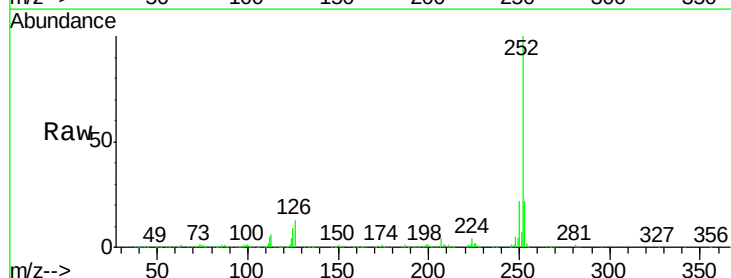
Instrument :
BNA_M
ClientSampleId :
SSTD02057

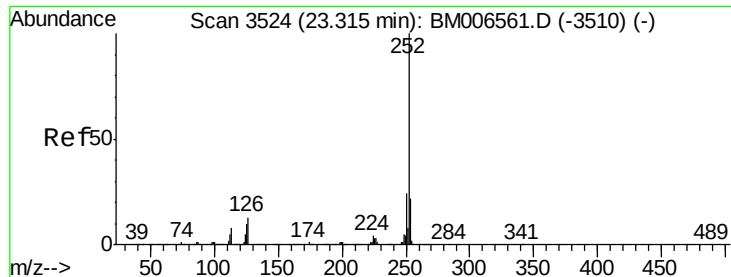
Tgt Ion:252 Resp: 1142448
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 8.6 7.6 11.4



#36
Benzo(k)fluoranthene
Concen: 20.56 ng/ul
RT: 22.80 min Scan# 3436
Delta R.T. -0.00 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

Tgt Ion:252 Resp: 1127500
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 9.2 7.7 11.5





#38

Benzo(a)pyrene

Concen: 20.21 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. -0.00 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

Instrument :

BNA_M

ClientSampleId :

SSTD02057

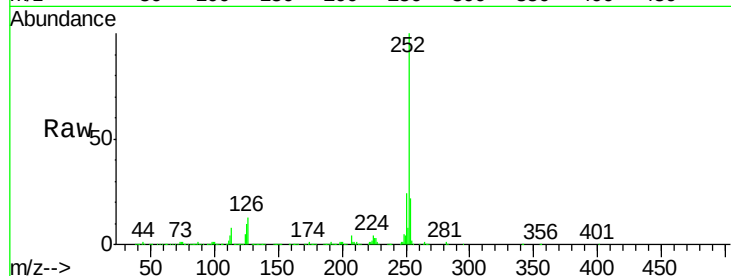
Tgt Ion:252 Resp: 1115671

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.8 8.2 12.2

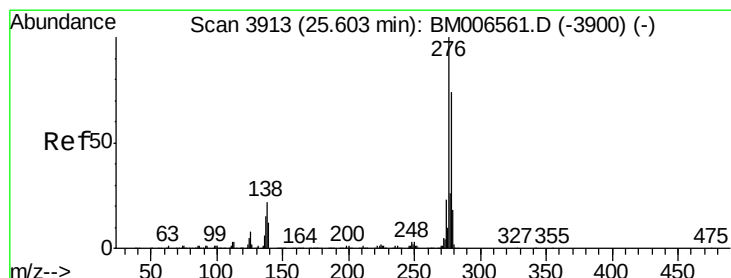
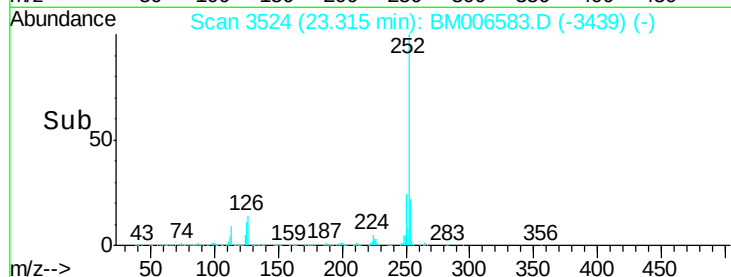
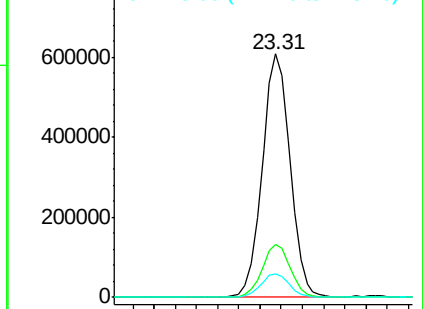


Abundance

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: 20.15 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM006583.D

Acq: 21 Jul 2016 09:01

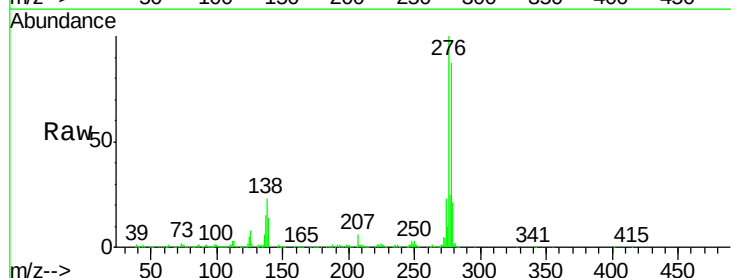
Tgt Ion:276 Resp: 1288211

Ion Ratio Lower Upper

276 100

138 22.7 15.8 23.6

277 25.4 19.0 28.6

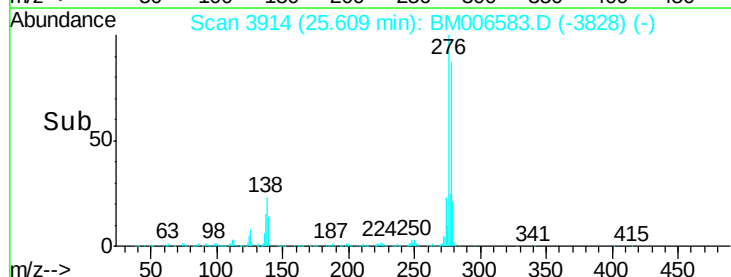
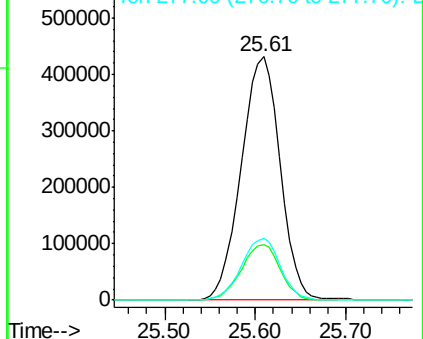


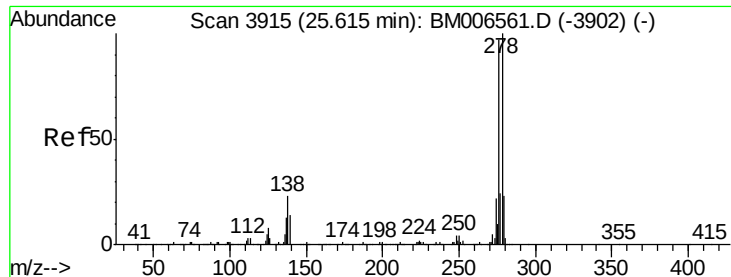
Abundance

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

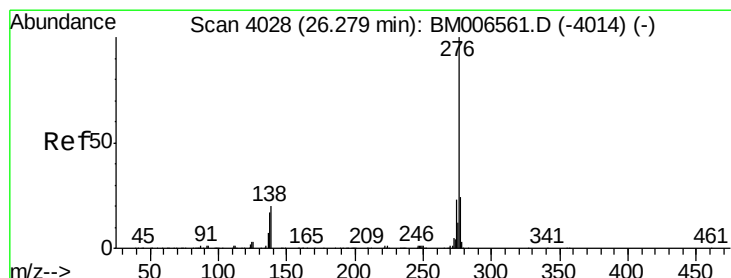
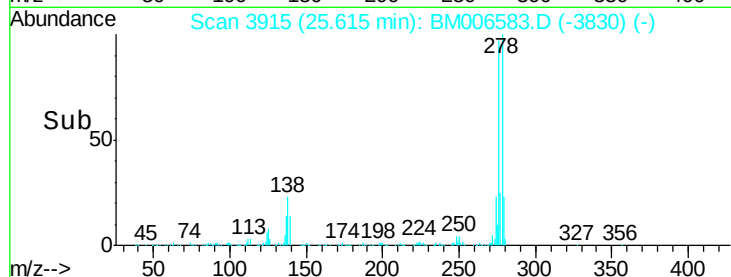
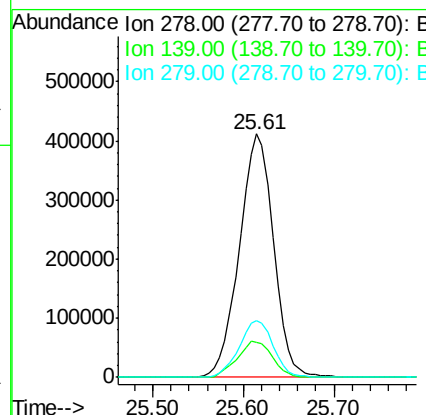
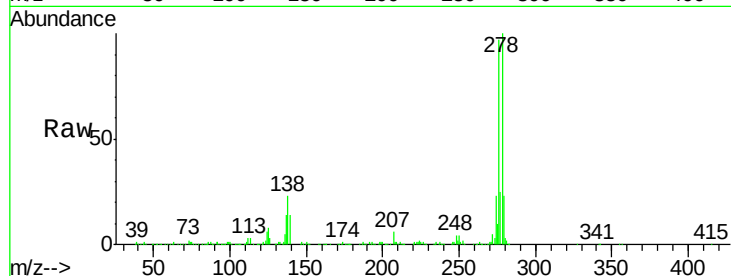




#40
Dibenzo(a,h)anthracene
Concen: 20.36 ng/ul
RT: 25.61 min Scan# 3915
Delta R.T. -0.00 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

Instrument :
BNA_M
ClientSampleId :
SSTD02057

Tgt Ion:278 Resp: 1078806
Ion Ratio Lower Upper
278 100
139 14.3 12.1 18.1
279 23.3 19.8 29.8



#41
Benzo(g,h,i)perylene
Concen: 19.97 ng/ul
RT: 26.28 min Scan# 4028
Delta R.T. -0.00 min
Lab File: BM006583.D
Acq: 21 Jul 2016 09:01

Tgt Ion:276 Resp: 1094432
Ion Ratio Lower Upper
276 100
138 19.9 13.9 20.9
277 24.1 19.8 29.6

