

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009617.D
 Acq On : 07 Apr 2017 05:11
 Operator : SJ/MA
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02048

Quant Time: Apr 07 05:41:52 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

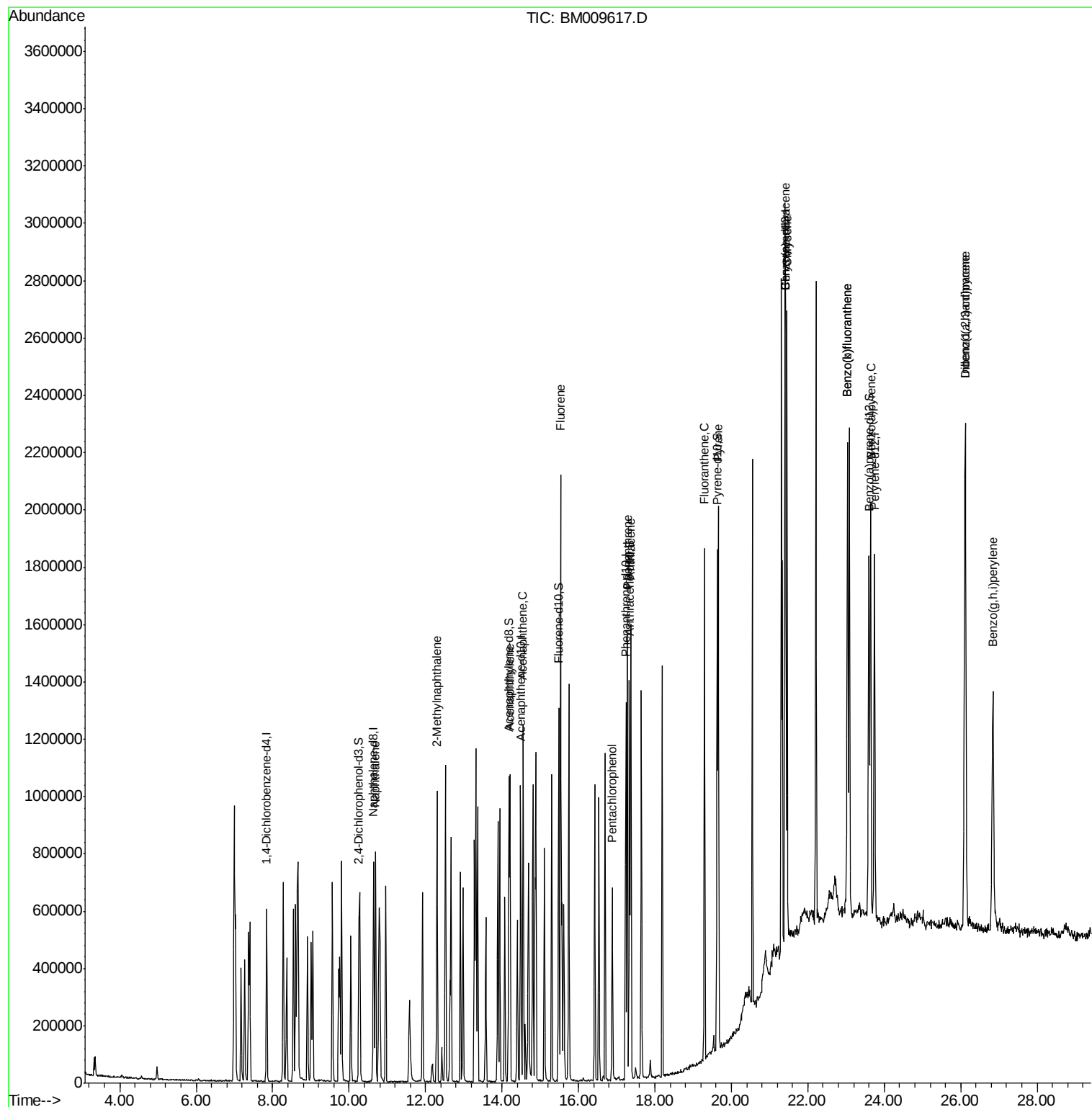
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	134227	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	546913	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	312480	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	719041	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	935630	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	907048	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	188975	22.47	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	679899	22.20	ng/ul	0.00
10) Fluorene-d10	15.48	176	461659	20.96	ng/ul	0.00
15) Anthracene-d10	17.33	188	737914	21.45	ng/ul	0.00
19) Pyrene-d10	19.63	212	848011	22.06	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	837935	20.92	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	585663	20.88	ng/ul	98
5) 2-Methylnaphthalene	12.30	142	422314	20.68	ng/ul	100
8) Acenaphthylene	14.21	152	679999	22.14	ng/ul	96
9) Acenaphthene	14.55	153	447464	21.16	ng/ul	98
11) Fluorene	15.53	166	532270	20.61	ng/ul	97
13) Pentachlorophenol	16.89	266	110388	21.66	ng/uL	94
14) Phenanthrene	17.28	178	847569	20.97	ng/ul	96
16) Anthracene	17.37	178	896920	21.46	ng/ul	98
17) Fluoranthene	19.30	202	1045914	20.77	ng/ul#	95
20) Pyrene	19.66	202	1097540	21.54	ng/ul	95
21) Benzo(a)anthracene	21.40	228	1137961	21.51	ng/ul	100
22) Chrysene	21.46	228	1020283	21.04	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1145732	20.42	ng/ul#	98
25) Benzo(k)fluoranthene	23.04	252	1145732	21.44	ng/ul	98
27) Benzo(a)pyrene	23.64	252	1092860	20.49	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	26.11	276	1274044	21.31	ng/ul	98
29) Dibenzo(a,h)anthracene	26.13	278	1075664	21.17	ng/ul#	92
30) Benzo(g,h,i)perylene	26.84	276	1044871	21.19	ng/ul#	92

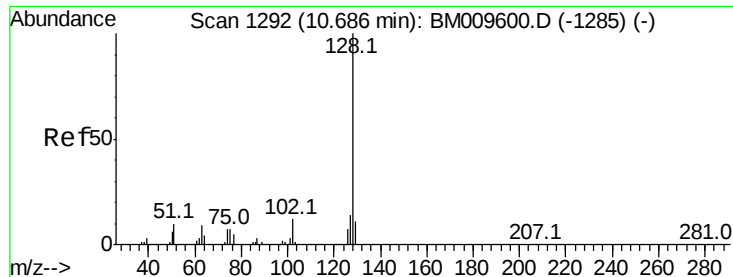
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.88 ng/ul

RT: 10.69 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Instrument :

BNA_M

ClientSampleId :

SSTD02048

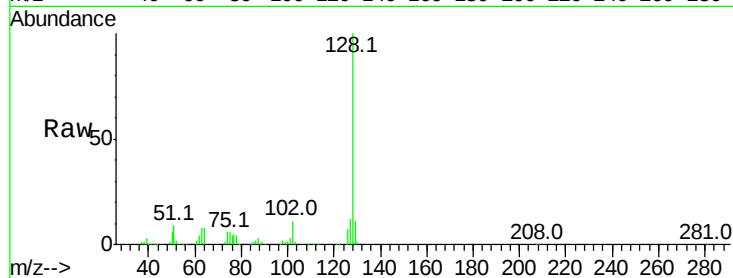
Tot Ion:128 Resp: 585663

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

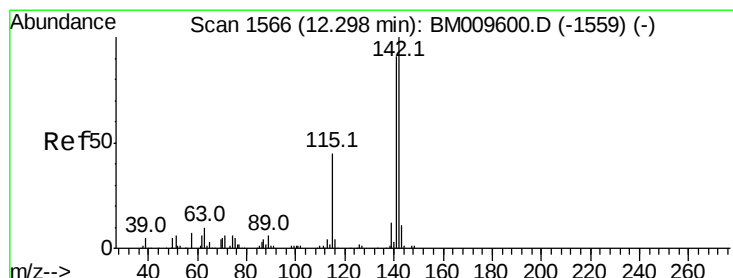
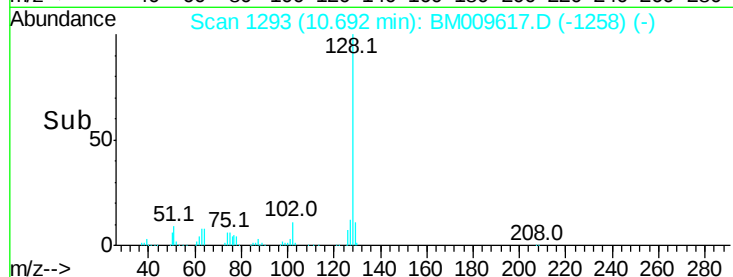
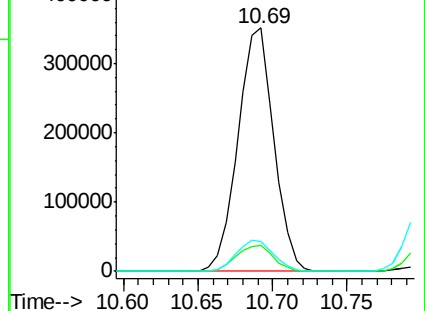
127 12.4 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 20.68 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BM009617.D

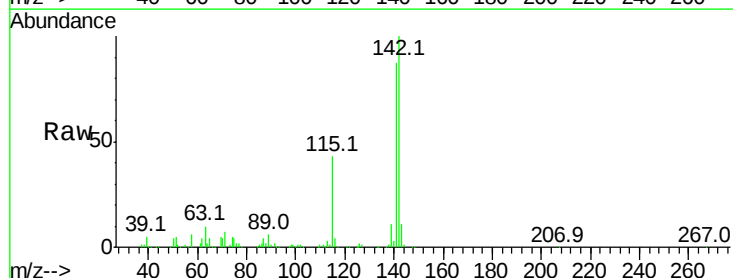
Acq: 07 Apr 2017 05:11

Tgt Ion:142 Resp: 422314

Ion Ratio Lower Upper

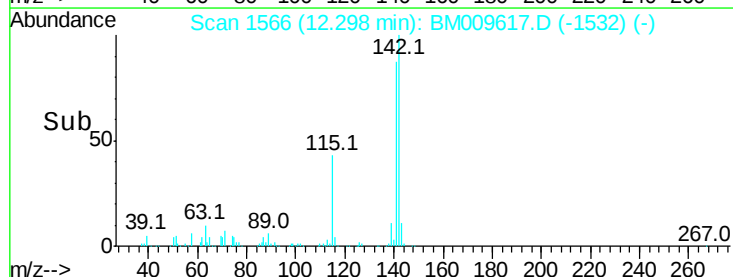
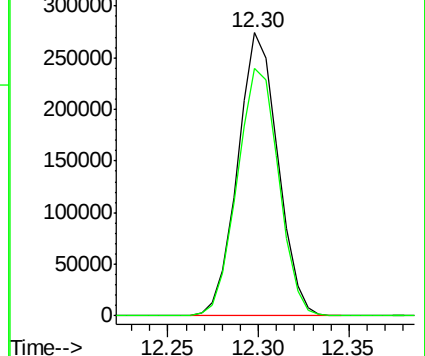
142 100

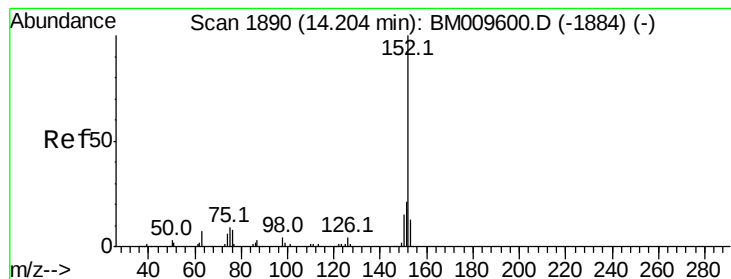
141 87.3 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 22.14 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Instrument :

BNA_M

ClientSampleId :

SSTD02048

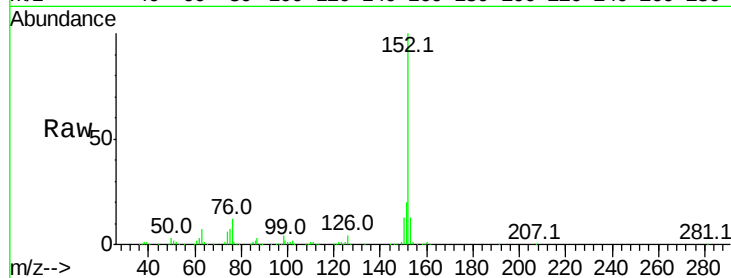
Tot Ion:152 Resp: 679999

Ion Ratio Lower Upper

152 100

151 19.7 17.5 26.3

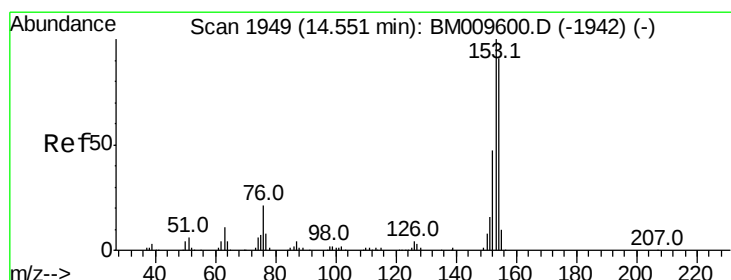
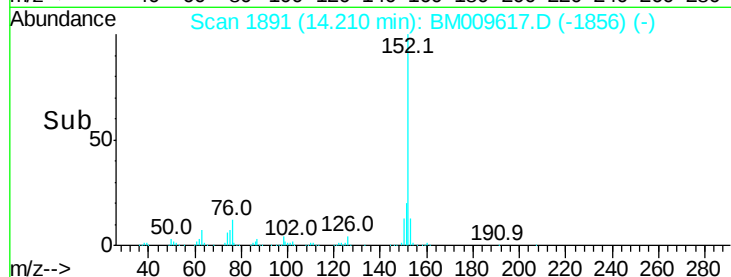
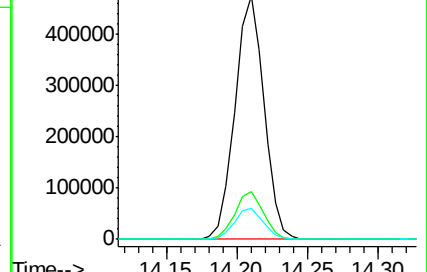
153 12.5 10.6 16.0



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



#9

Acenaphthene

Concen: 21.16 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

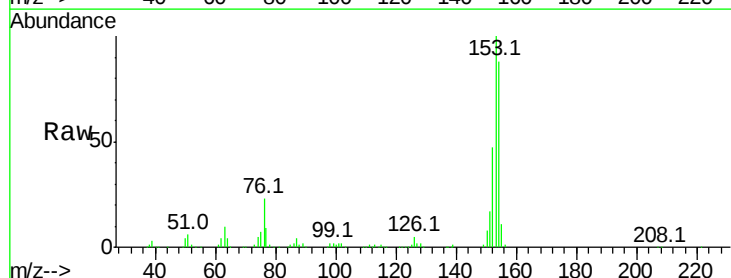
Tgt Ion:153 Resp: 447464

Ion Ratio Lower Upper

153 100

152 46.6 37.9 56.9

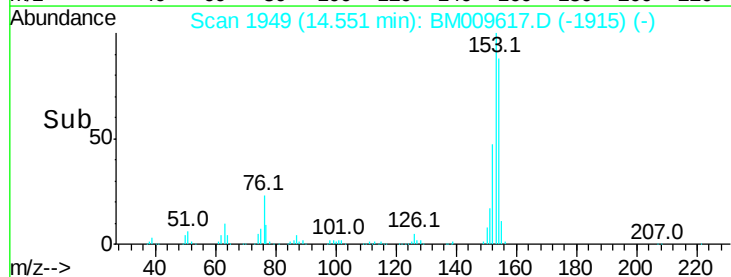
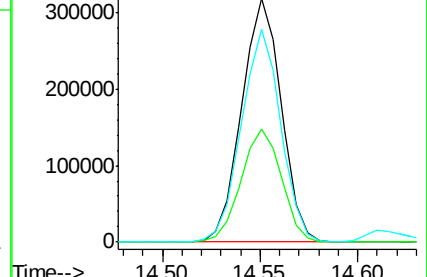
154 87.6 71.6 107.4

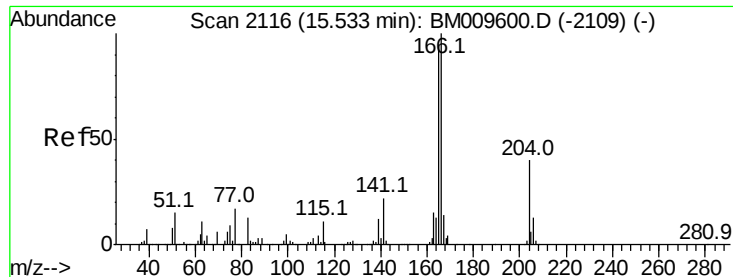


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

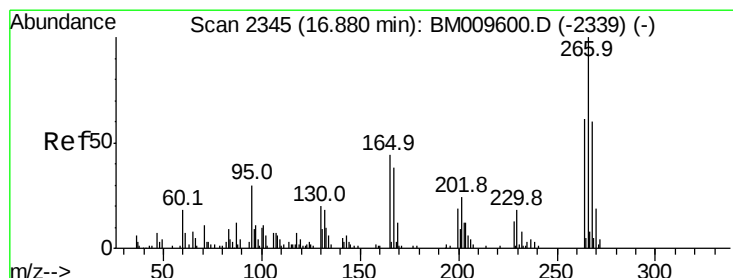
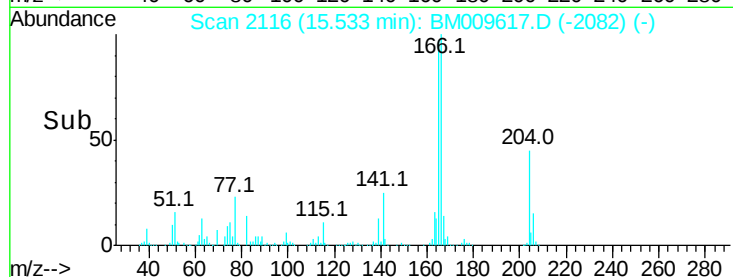
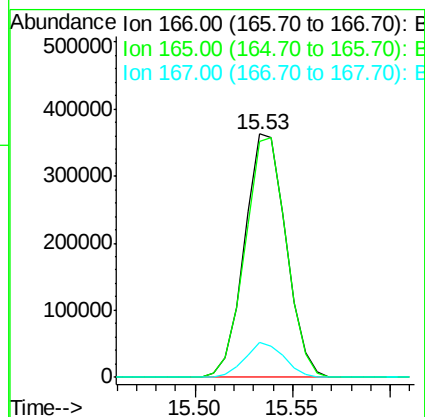
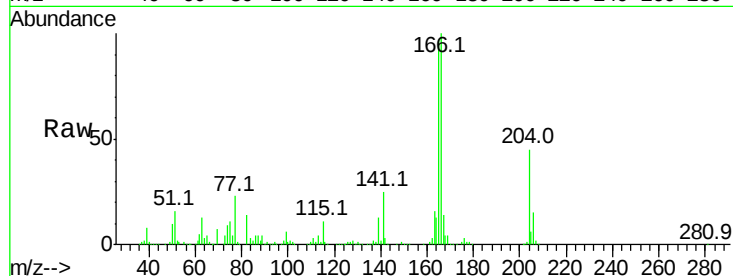




#11
Fluorene
 Concen: 20.61 ng/uL
 RT: 15.53 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: BM009617.D
 Acq: 07 Apr 2017 05:11

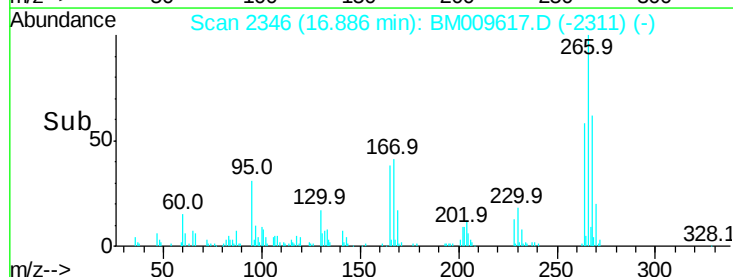
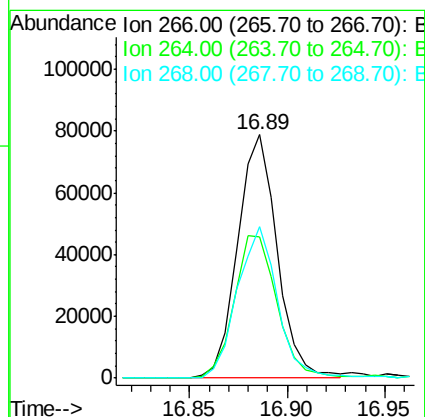
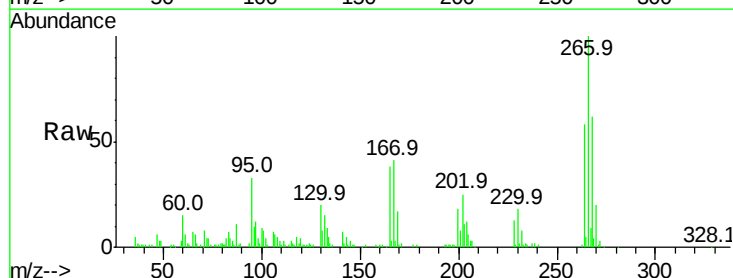
Instrument :
 BNA_M
 ClientSampleId :
 SST02048

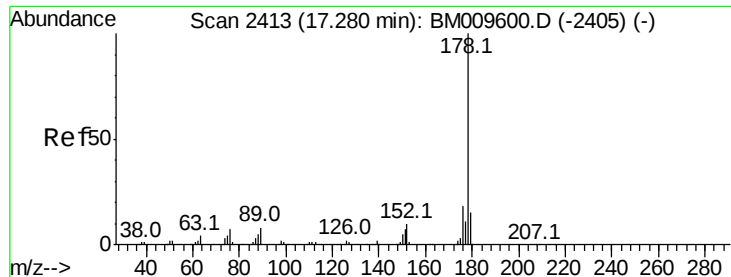
Tot Ion:166 Resp: 532270
 Ion Ratio Lower Upper
 166 100
 165 96.7 80.0 120.0
 167 14.1 11.6 17.4



#13
Pentachlorophenol
 Concen: 21.66 ng/uL
 RT: 16.89 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: BM009617.D
 Acq: 07 Apr 2017 05:11

Tgt Ion:266 Resp: 110388
 Ion Ratio Lower Upper
 266 100
 264 57.8 52.0 78.0
 268 62.3 51.2 76.8





#14

Phenanthrene

Concen: 20.97 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Instrument :

BNA_M

ClientSampleId :

SSTD02048

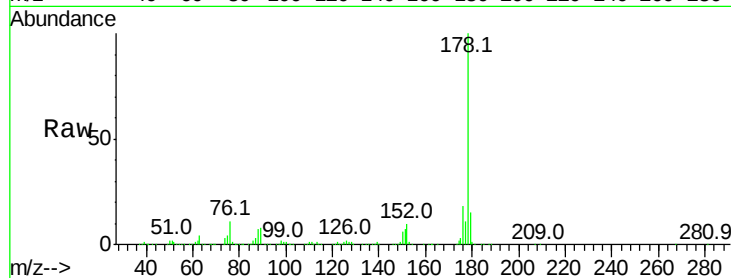
Tot Ion:178 Resp: 847569

Ion Ratio Lower Upper

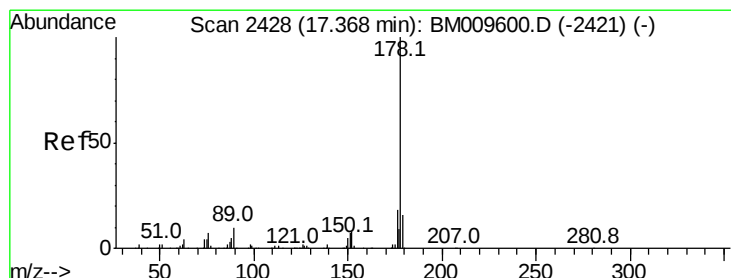
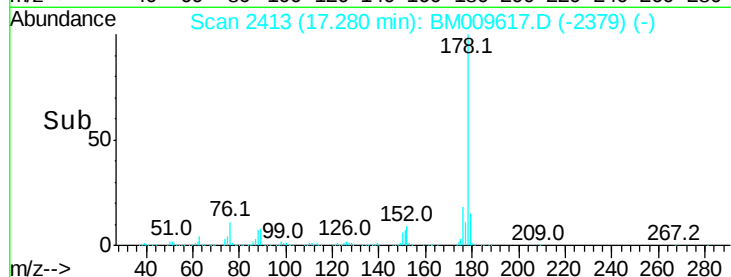
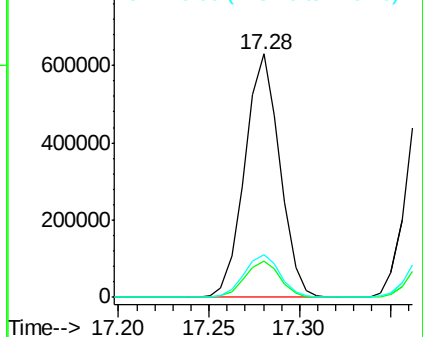
178 100

179 14.8 12.2 18.4

176 17.7 16.4 24.6



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



#16

Anthracene

Concen: 21.46 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

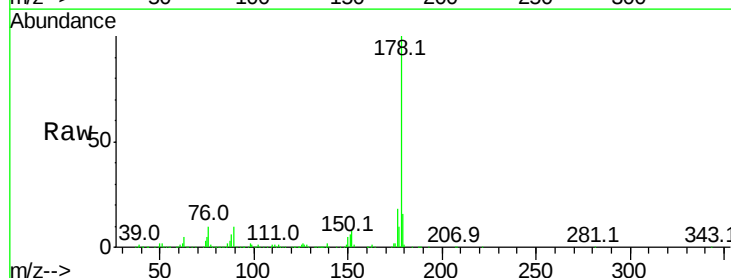
Tgt Ion:178 Resp: 896920

Ion Ratio Lower Upper

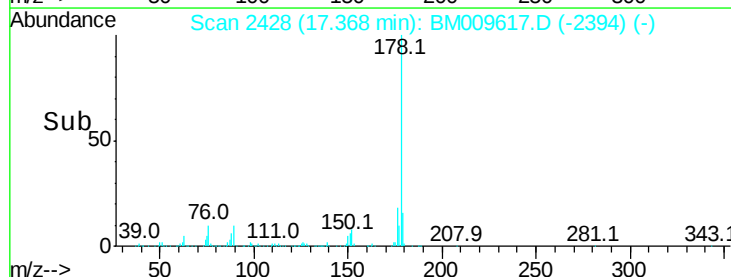
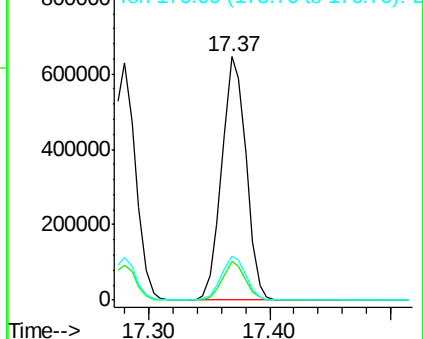
178 100

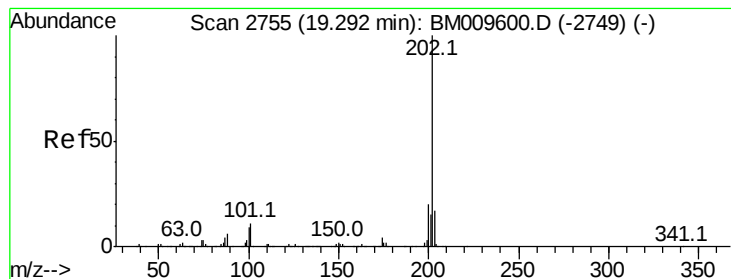
179 15.9 12.7 19.1

176 18.1 15.8 23.8



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





#17

Fluoranthene

Concen: 20.77 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Instrument :

BNA_M

ClientSampleId :

SSTD02048

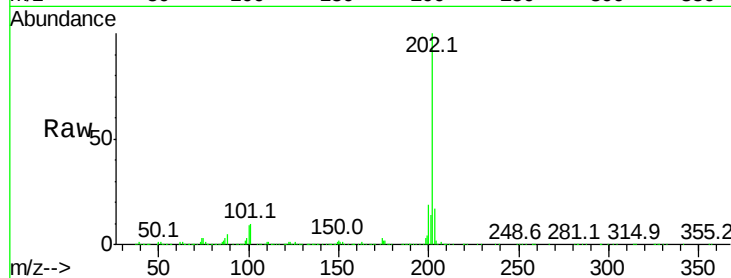
Tot Ion:202 Resp: 1045914

Ion Ratio Lower Upper

202 100

101 9.6 9.8 14.8#

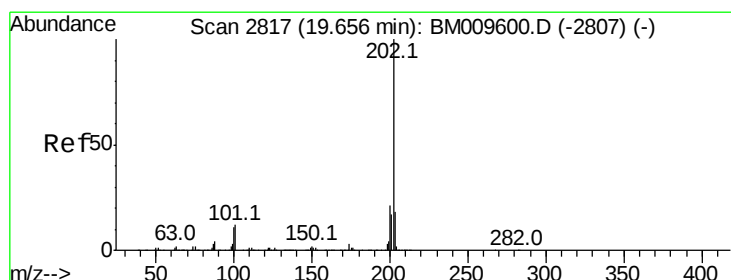
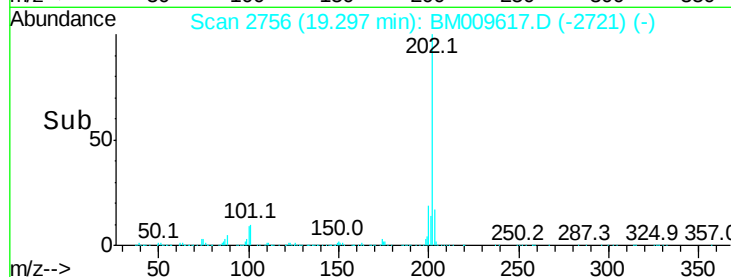
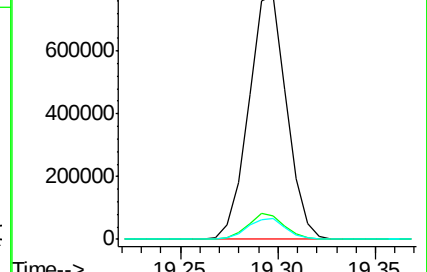
100 8.5 7.5 11.3



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



#20

Pyrene

Concen: 21.54 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

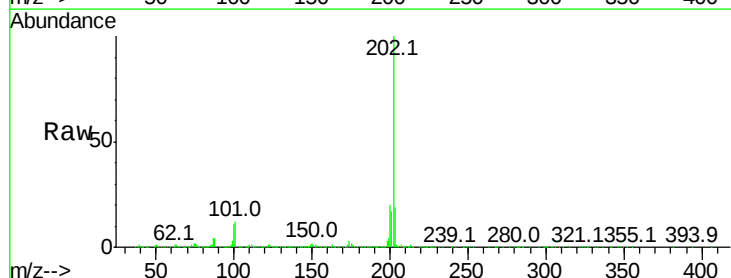
Tgt Ion:202 Resp: 1097540

Ion Ratio Lower Upper

202 100

101 11.8 11.2 16.8

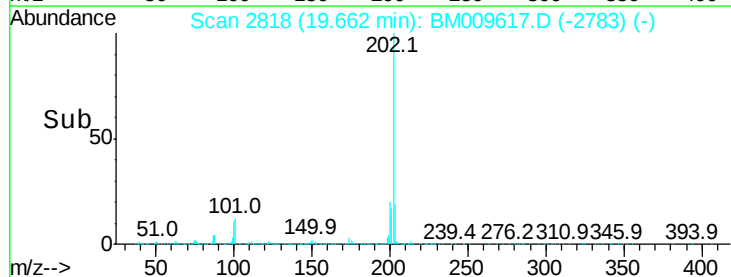
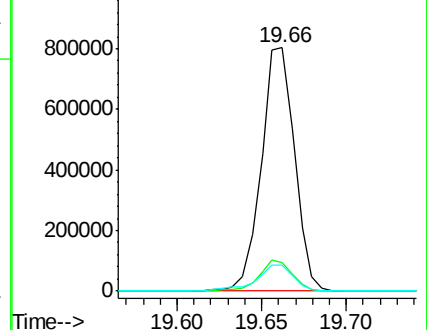
100 10.7 9.8 14.6

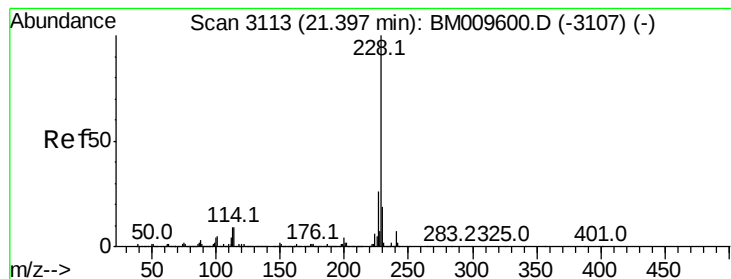


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 21.51 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

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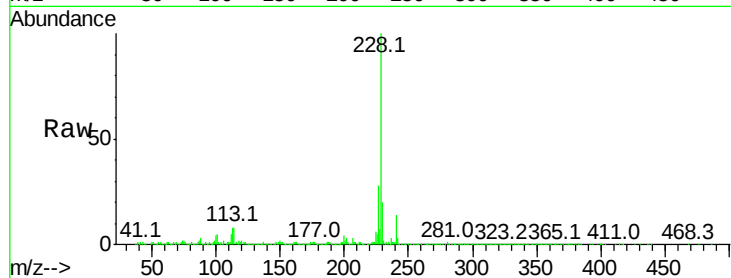
Tot Ion:228 Resp: 1137961

Ion Ratio Lower Upper

228 100

229 20.0 15.9 23.9

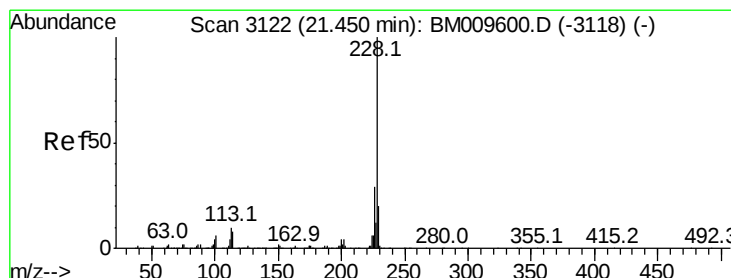
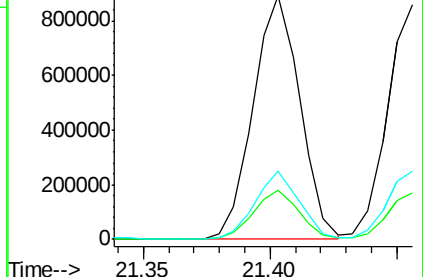
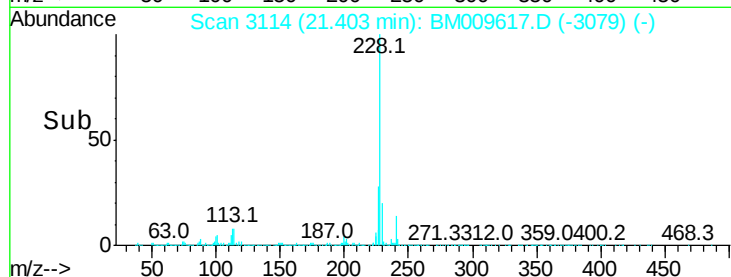
226 27.9 22.1 33.1



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



#22

Chrysene

Concen: 21.04 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

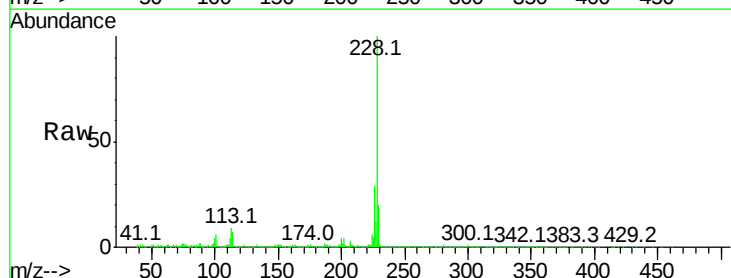
Tgt Ion:228 Resp: 1020283

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

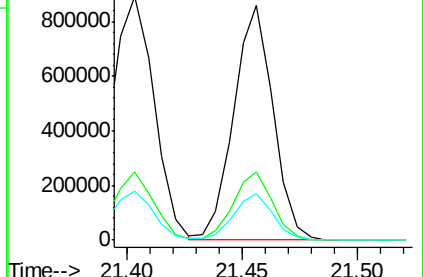
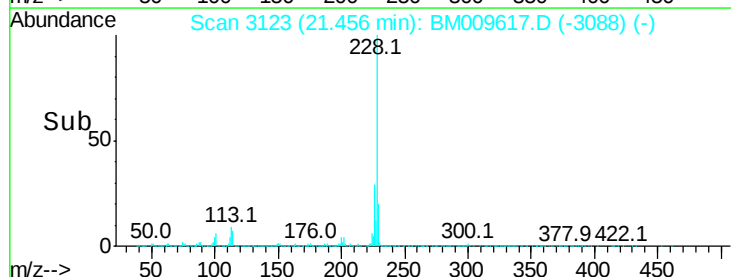
229 19.7 16.6 25.0

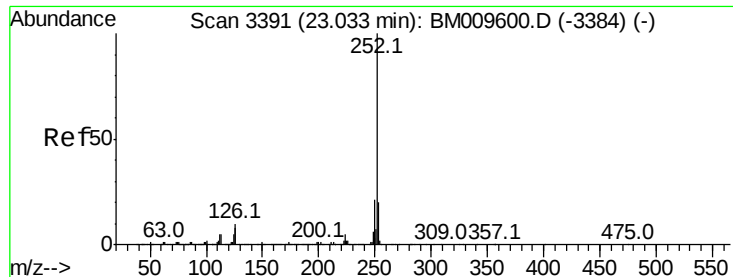


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 20.42 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BM009617.D

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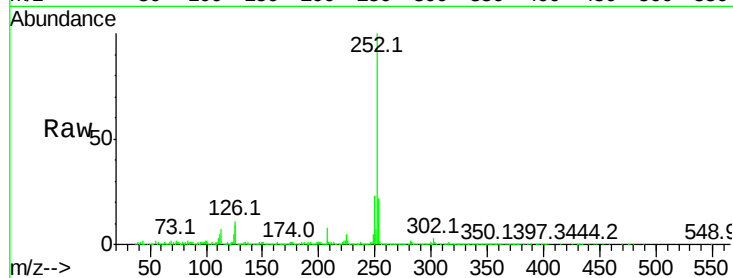
Tot Ion:252 Resp: 1145732

Ion Ratio Lower Upper

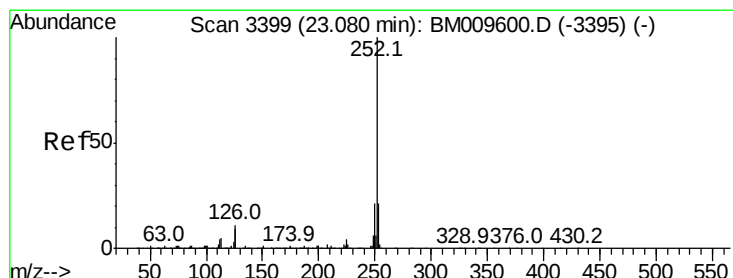
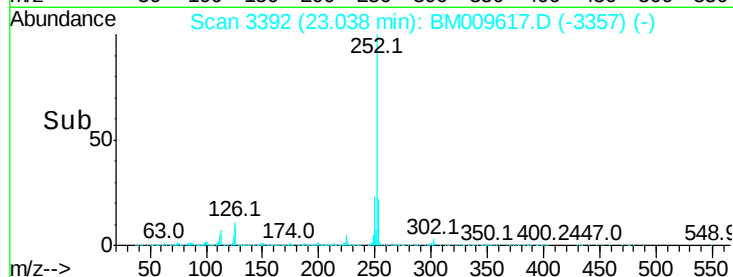
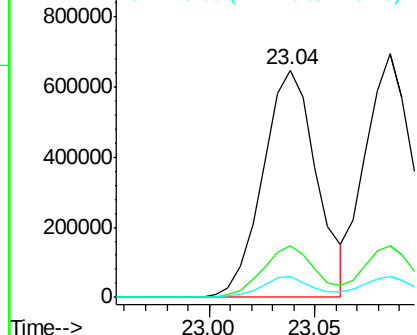
252 100

253 22.4 17.8 26.6

125 9.3 9.4 14.0#



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



#25

Benzo(k)fluoranthene

Concen: 21.44 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.04 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

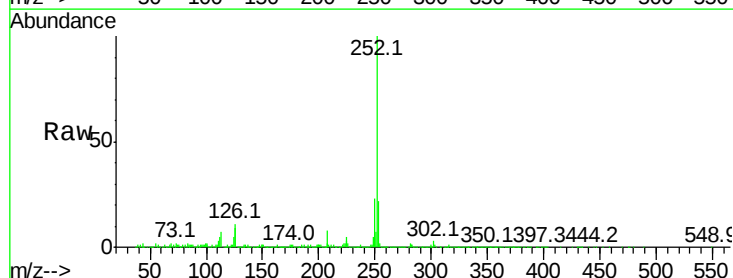
Tgt Ion:252 Resp: 1145732

Ion Ratio Lower Upper

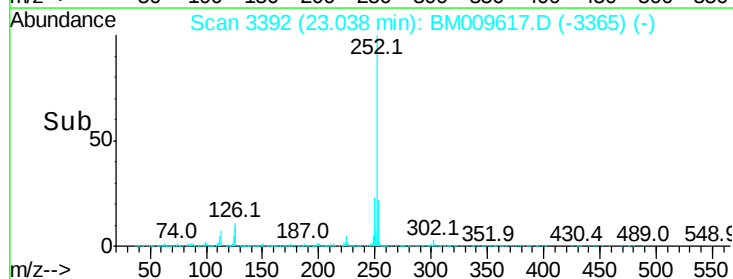
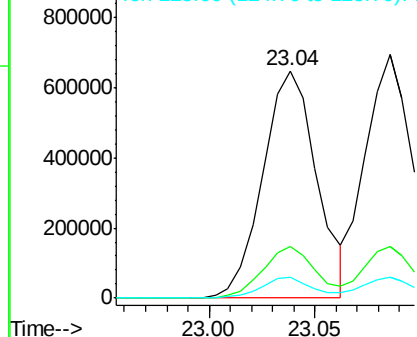
252 100

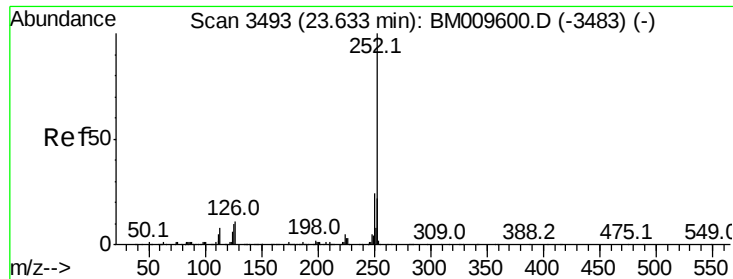
253 22.4 17.4 26.2

125 9.3 8.8 13.2



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





#27

Benzo(a)pyrene

Concen: 20.49 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Instrument :

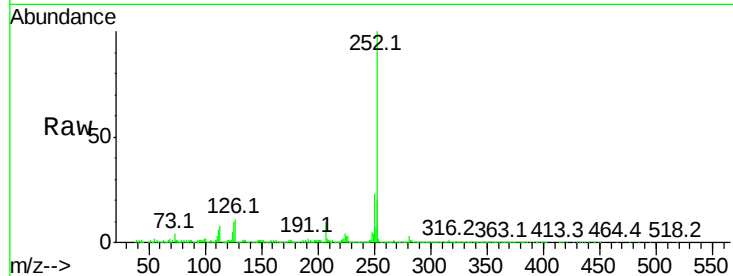
BNA_M

ClientSampleId :

SSTD02048

Tot Ion:252 Resp: 1092860

Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.1	25.7
125	9.8	9.4	14.2

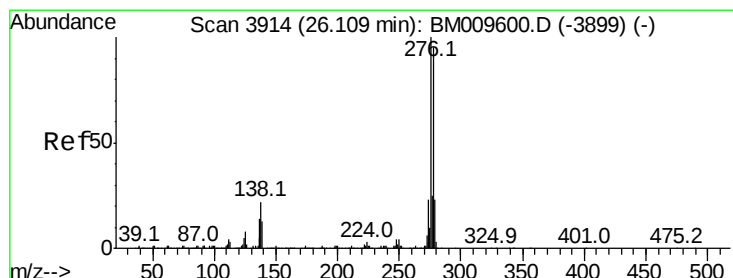
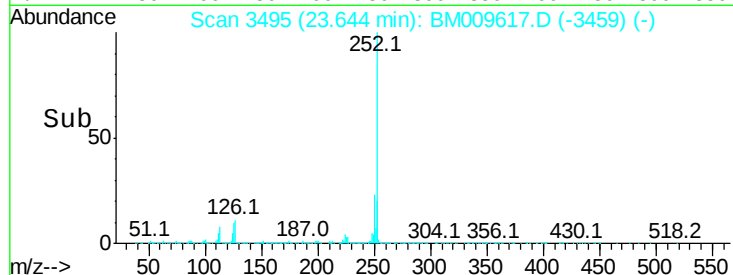
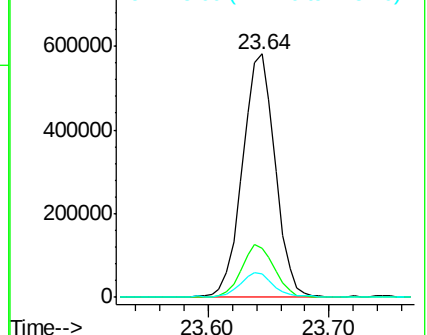


Abundance

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



#28

Indeno(1,2,3-cd)pyrene

Concen: 21.31 ng/ul

RT: 26.11 min Scan# 3915

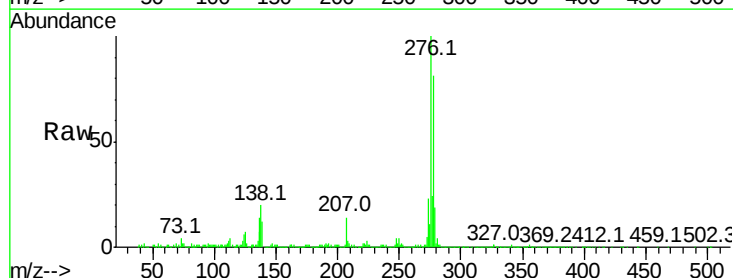
Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Tgt Ion:276 Resp: 1274044

Ion	Ratio	Lower	Upper
276	100		
138	20.0	17.8	26.6
277	24.1	19.4	29.0

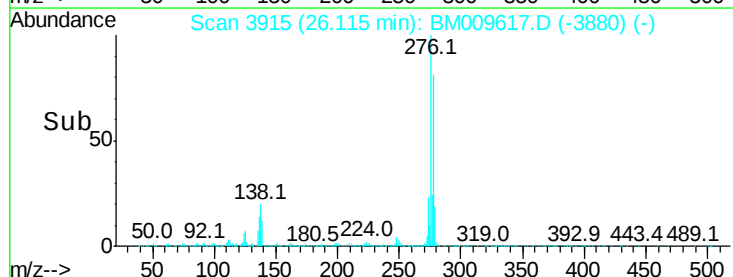
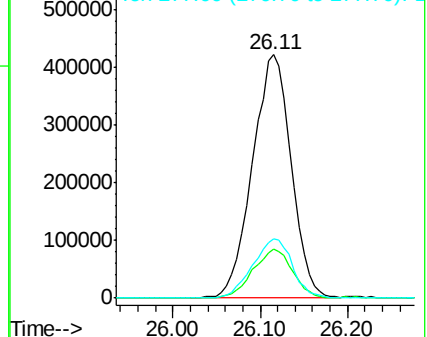


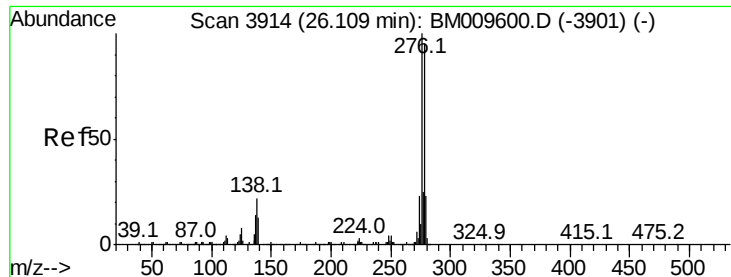
Abundance

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





#29

Dibenzo(a,h)anthracene

Concen: 21.17 ng/ul

RT: 26.13 min Scan# 3917

Delta R.T. 0.02 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Instrument :

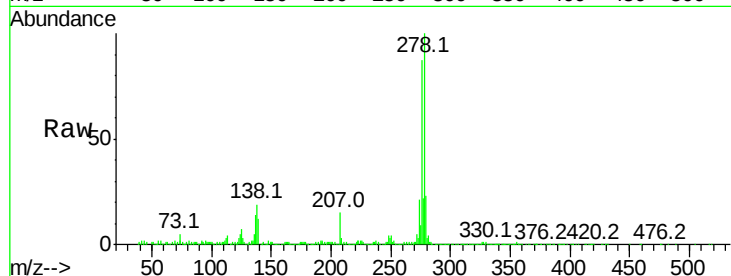
BNA_M

ClientSampleId :

SSTD02048

Tot Ion:278 Resp: 1075664

Ion	Ratio	Lower	Upper
278	100		
139	12.5	14.0	21.0#
279	22.6	20.6	31.0

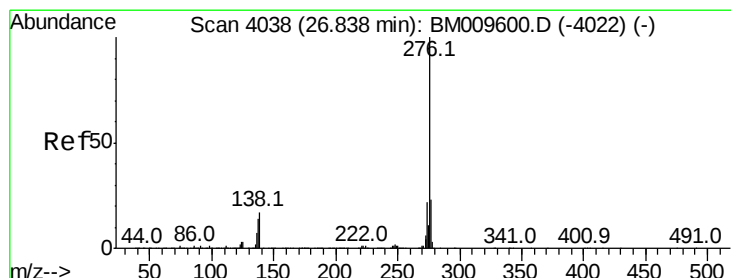
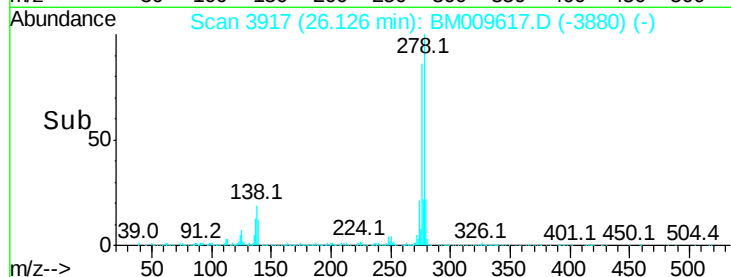
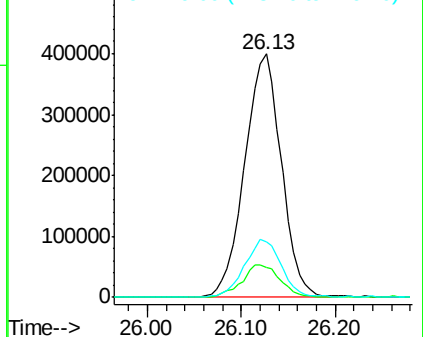


Abundance

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



#30

Benzo(g,h,i)perylene

Concen: 21.19 ng/ul

RT: 26.84 min Scan# 4039

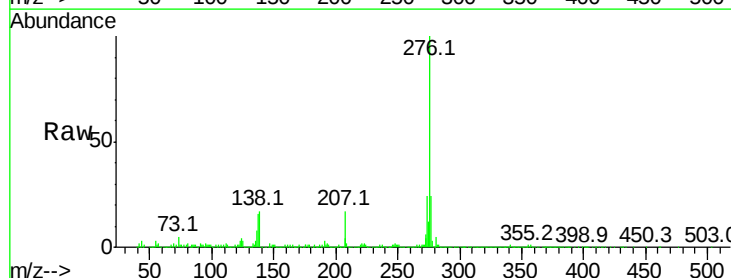
Delta R.T. 0.01 min

Lab File: BM009617.D

Acq: 07 Apr 2017 05:11

Tgt Ion:276 Resp: 1044871

Ion	Ratio	Lower	Upper
276	100		
138	16.6	19.0	28.4#
277	24.1	19.7	29.5



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

