

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009582.D
 Acq On : 06 Apr 2017 05:45
 Operator : SJ/MA
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02045

Quant Time: Apr 06 06:36:45 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 03:48:05 2017
 Response via : Initial Calibration

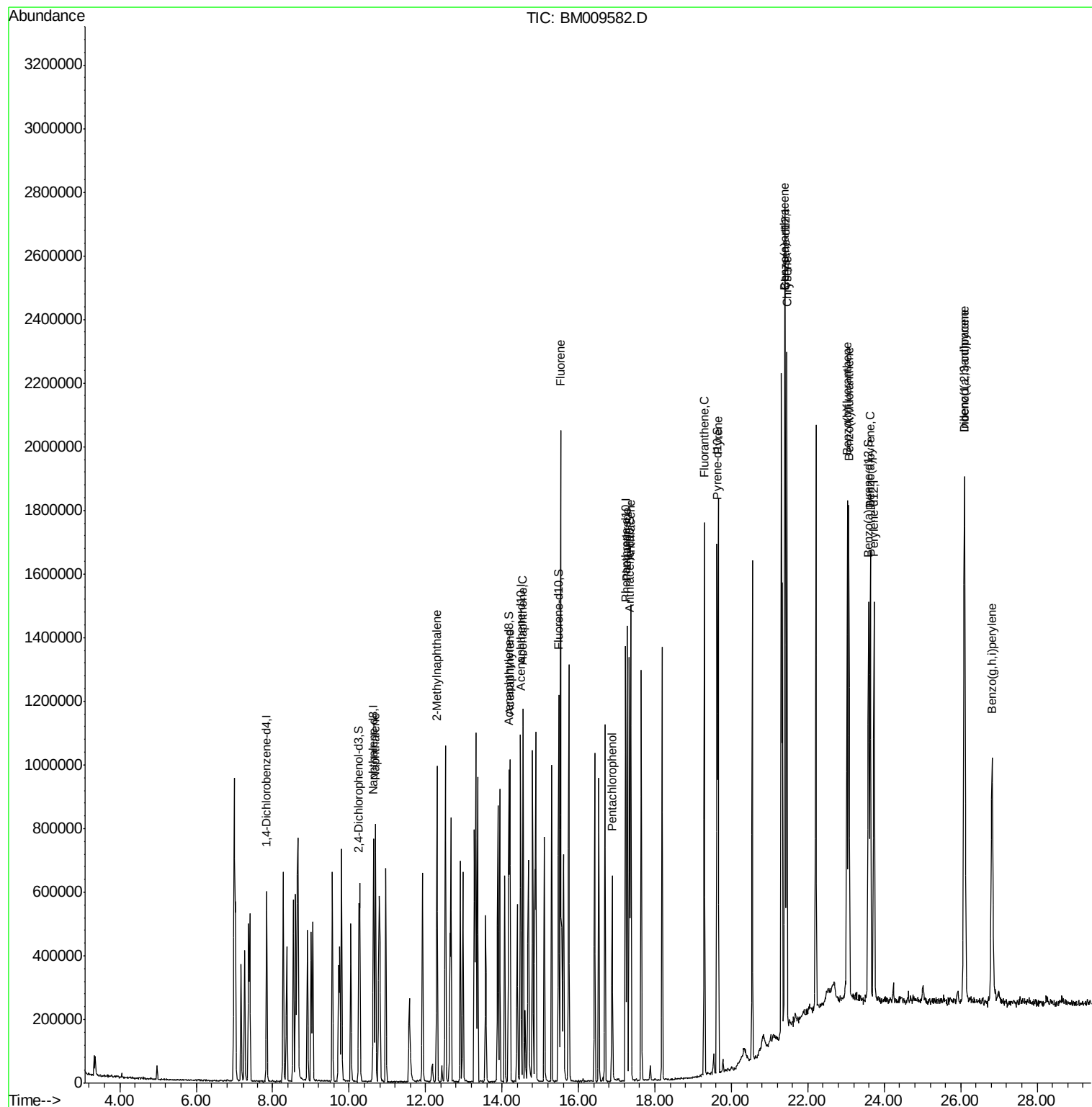
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	139105	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	548873	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	312233	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	720968	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	934589	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	912826	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	174396	20.66	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	638493	20.87	ng/ul	0.00
10) Fluorene-d10	15.48	176	448011	20.36	ng/ul	0.00
15) Anthracene-d10	17.33	188	708787	20.55	ng/ul	0.00
19) Pyrene-d10	19.63	212	786657	20.48	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	816815	20.27	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	568090	20.18	ng/ul	97
5) 2-Methylnaphthalene	12.30	142	412246	20.11	ng/ul	99
8) Acenaphthylene	14.21	152	651205	21.22	ng/ul	97
9) Acenaphthene	14.55	153	438511	20.75	ng/ul	96
11) Fluorene	15.53	166	517116	20.04	ng/ul	95
13) Pentachlorophenol	16.88	266	107429	21.02	ng/uL	97
14) Phenanthrene	17.27	178	793934	19.59	ng/ul	96
16) Anthracene	17.37	178	835206	19.93	ng/ul	95
17) Fluoranthene	19.29	202	964270	19.10	ng/ul	96
20) Pyrene	19.66	202	1034934	20.34	ng/ul#	93
21) Benzo(a)anthracene	21.40	228	1082415	20.48	ng/ul	99
22) Chrysene	21.45	228	975153	20.13	ng/ul	97
24) Benzo(b)fluoranthene	23.03	252	1087134	19.26	ng/ul#	97
25) Benzo(k)fluoranthene	23.07	252	1059682	19.70	ng/ul#	98
27) Benzo(a)pyrene	23.63	252	1056622	19.69	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	26.10	276	1218066	20.24	ng/ul	97
29) Dibenzo(a,h)anthracene	26.10	278	1025386	20.05	ng/ul	94
30) Benzo(g,h,i)perylene	26.82	276	1002083	20.20	ng/ul#	90

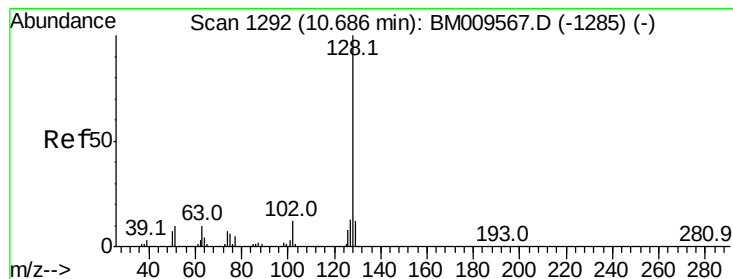
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Naphthalene

Concen: 20.18 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

BNA_M

ClientSampleId :

SSTD02045

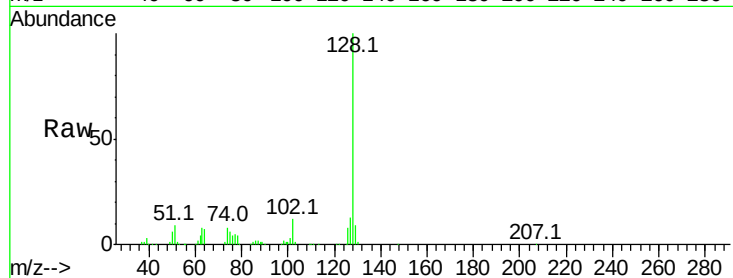
Tot Ion:128 Resp: 568090

Ion Ratio Lower Upper

128 100

129 9.2 9.1 13.7

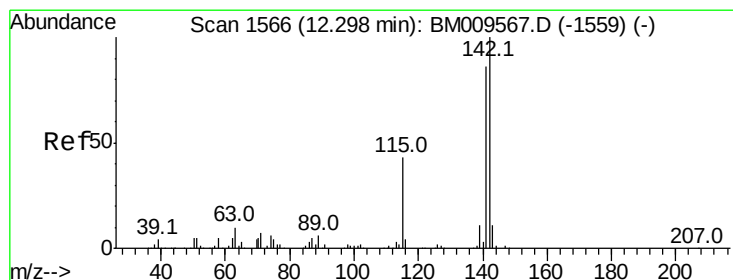
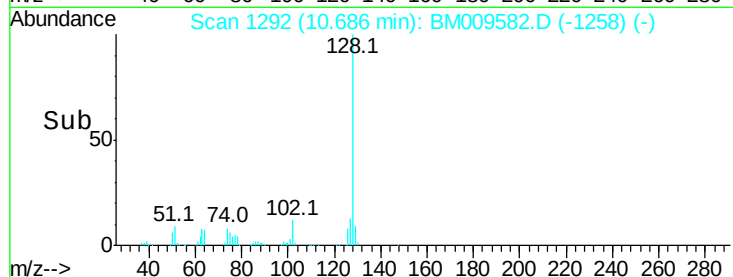
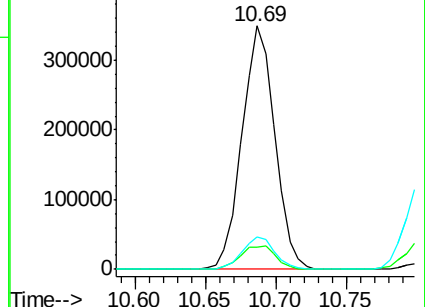
127 13.3 10.6 15.8



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: 20.11 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BM009582.D

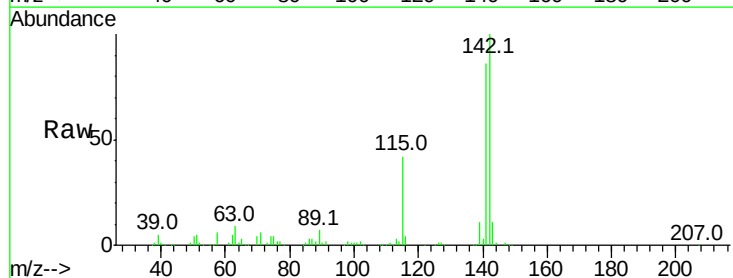
Acq: 06 Apr 2017 05:45

Tgt Ion:142 Resp: 412246

Ion Ratio Lower Upper

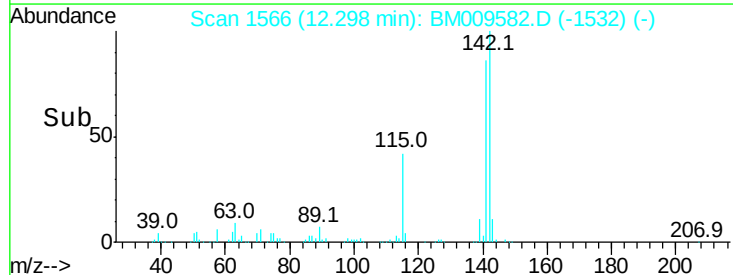
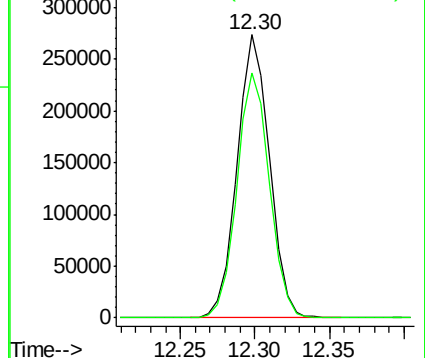
142 100

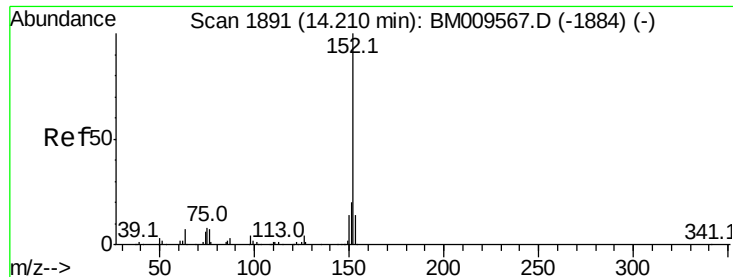
141 86.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.22 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

BNA_M

ClientSampled :

SSTD02045

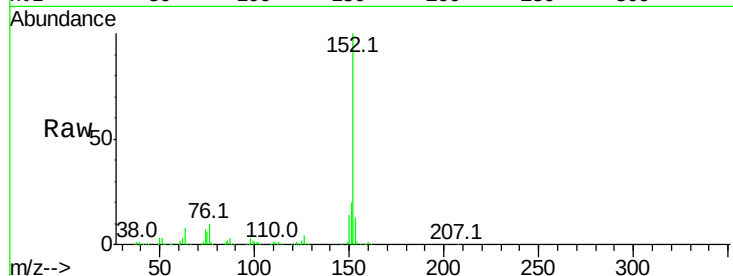
Tot Ion:152 Resp: 651205

Ion Ratio Lower Upper

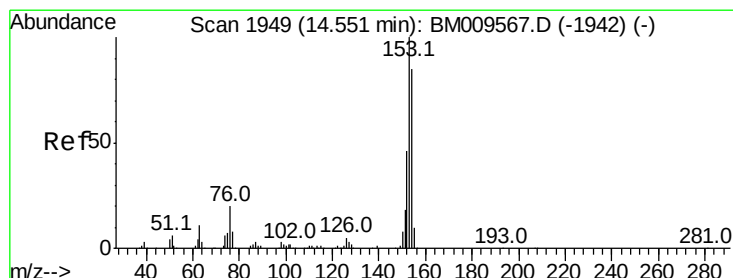
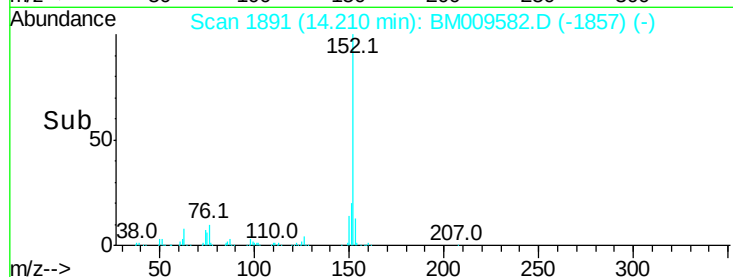
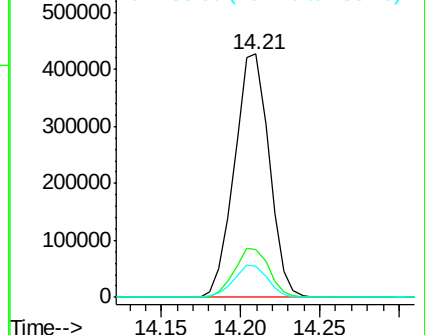
152 100

151 19.6 17.5 26.3

153 13.0 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: 20.75 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

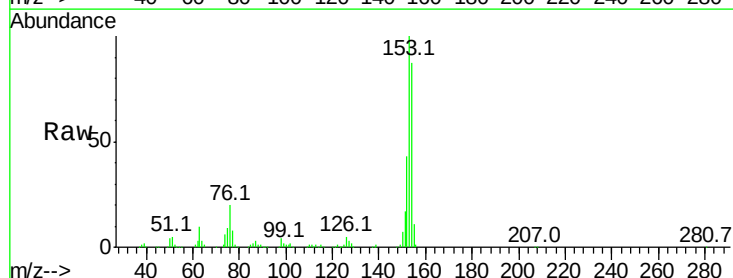
Tgt Ion:153 Resp: 438511

Ion Ratio Lower Upper

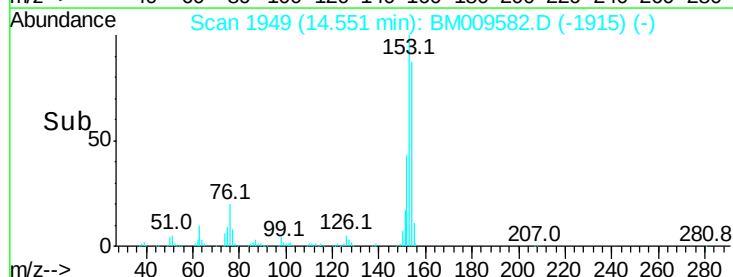
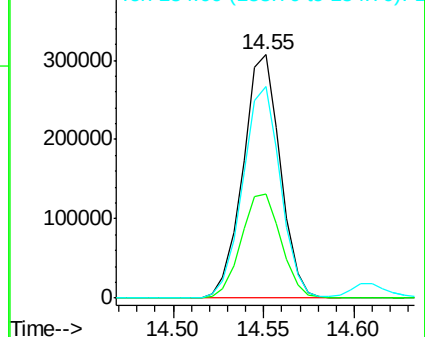
153 100

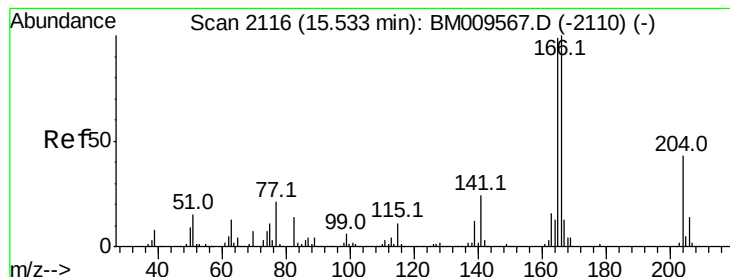
152 42.8 37.9 56.9

154 86.8 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: 20.04 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

BNA_M

ClientSampleId :

SSTD02045

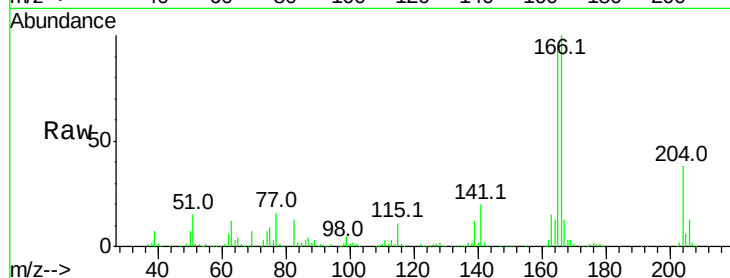
Tot Ion:166 Resp: 517116

Ion Ratio Lower Upper

166 100

165 95.2 80.0 120.0

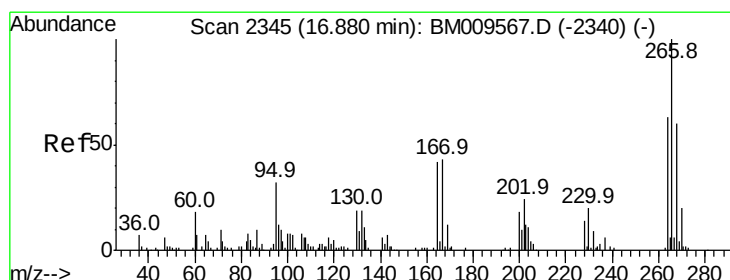
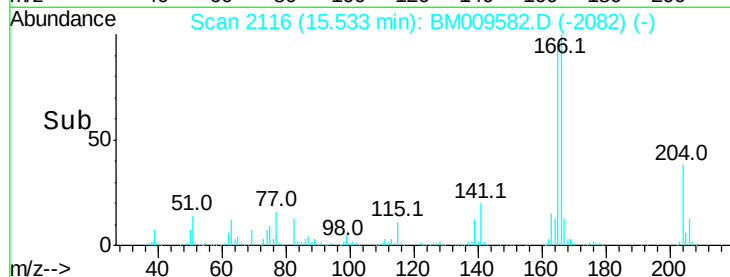
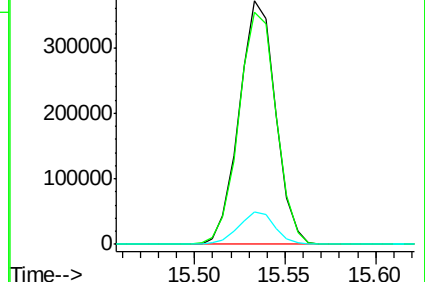
167 13.4 11.6 17.4



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



#13

Pentachlorophenol

Concen: 21.02 ng/uL

RT: 16.88 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

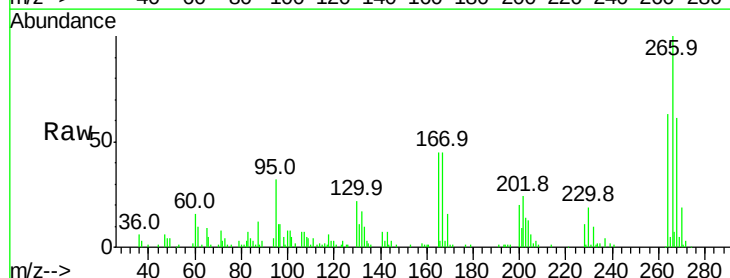
Tgt Ion:266 Resp: 107429

Ion Ratio Lower Upper

266 100

264 63.0 52.0 78.0

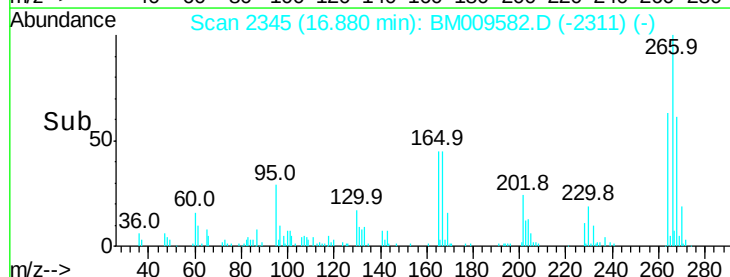
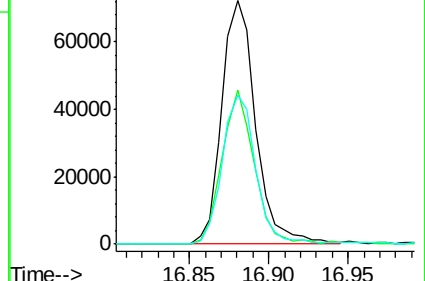
268 61.4 51.2 76.8

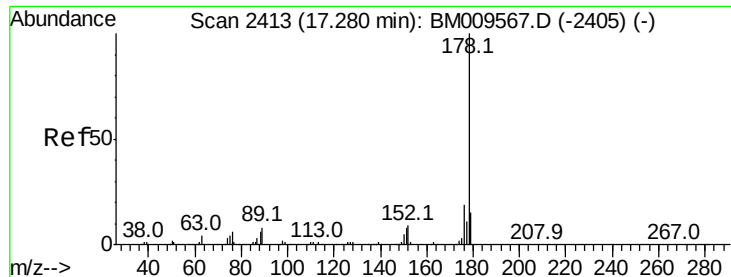


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

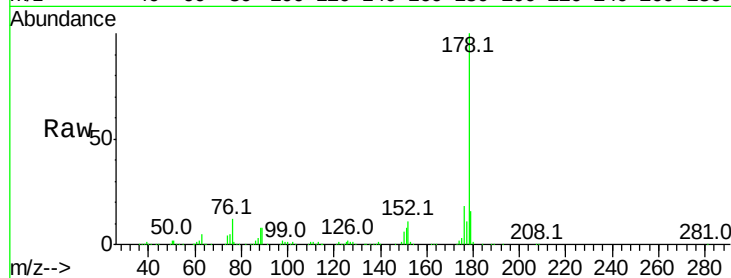




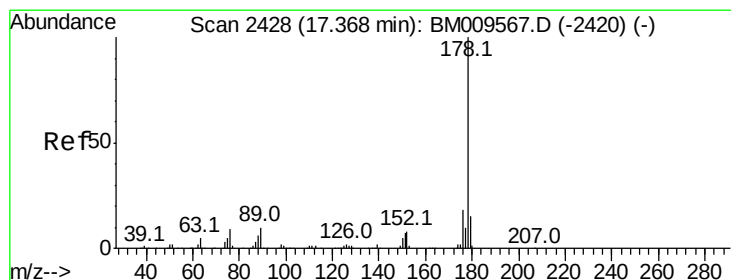
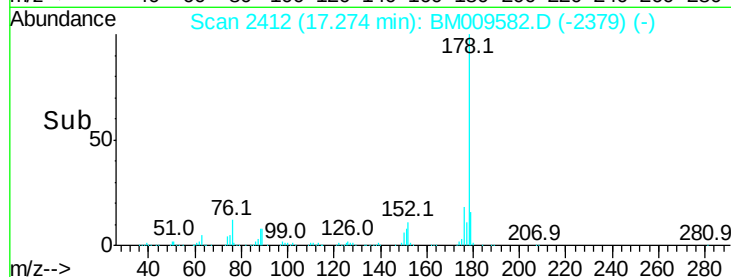
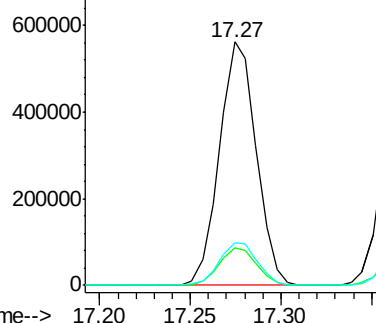
#14
Phenanthrene
Concen: 19.59 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009582.D
Acq: 06 Apr 2017 05:45

Instrument :
BNA_M
ClientSampleId :
SSTD02045

Tot Ion:178 Resp: 793934
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 17.6 16.4 24.6

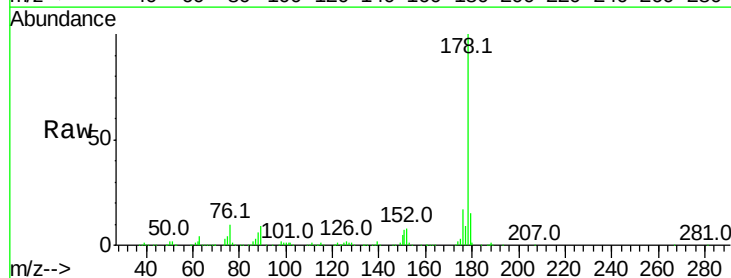


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

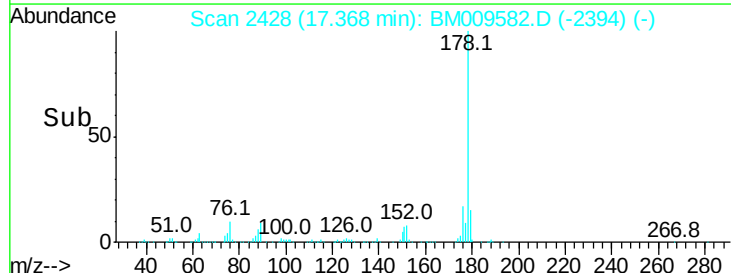
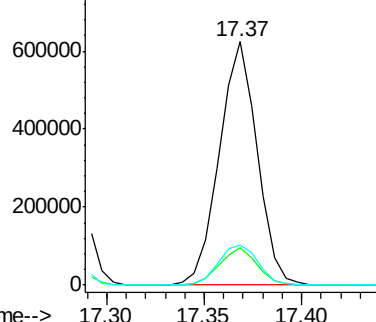


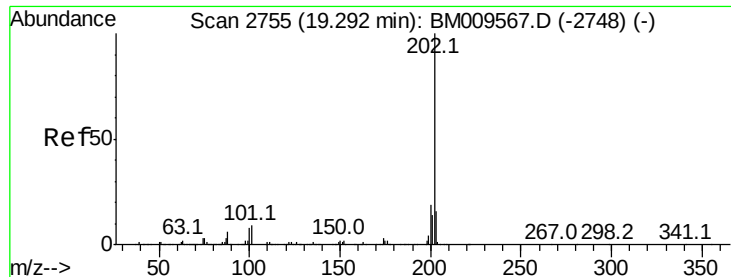
#16
Anthracene
Concen: 19.93 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009582.D
Acq: 06 Apr 2017 05:45

Tgt Ion:178 Resp: 835206
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 16.6 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

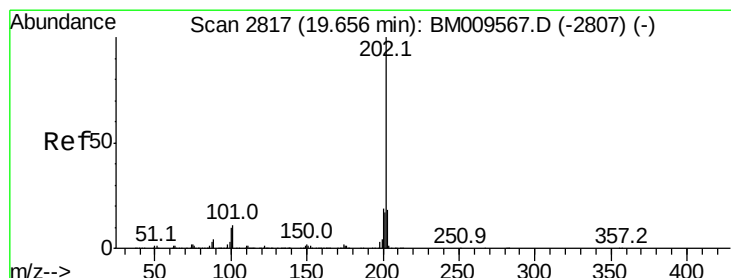
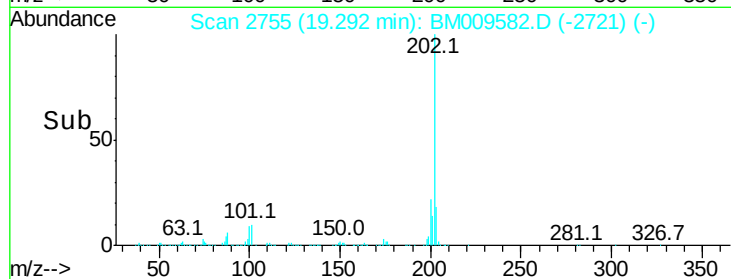
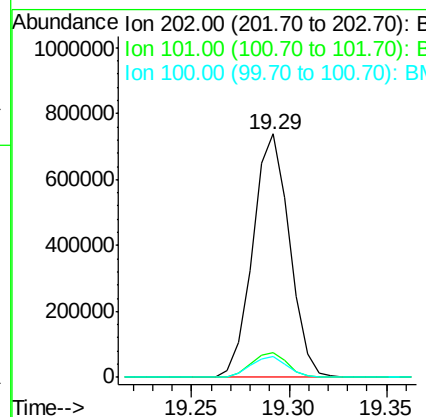
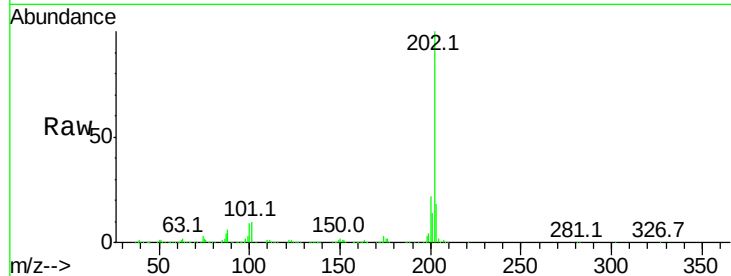




#17
 Fluoranthene
 Concen: 19.10 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009582.D
 Acq: 06 Apr 2017 05:45

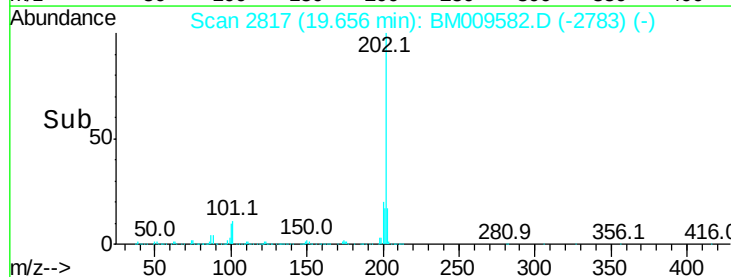
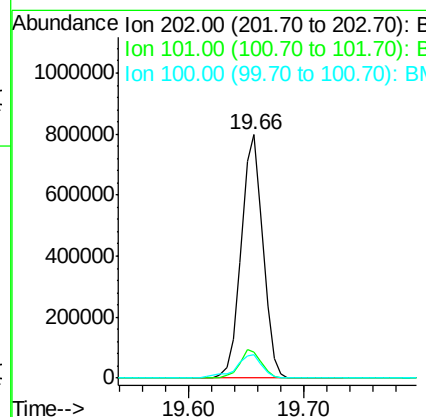
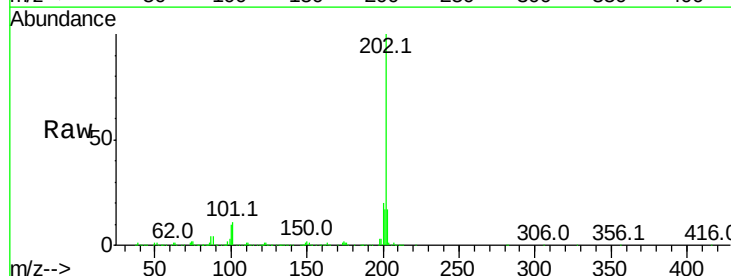
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02045

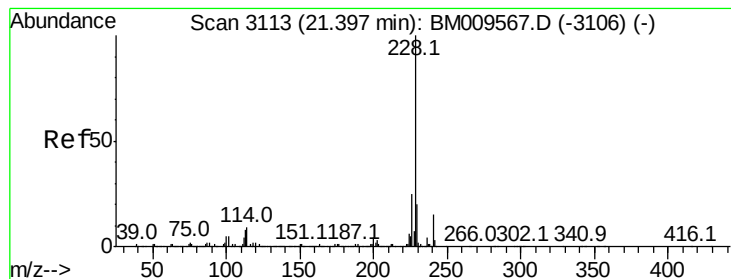
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
100	8.8	7.5	11.3



#20
 Pyrene
 Concen: 20.34 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009582.D
 Acq: 06 Apr 2017 05:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	11.2	16.8#
100	9.7	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 20.48 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

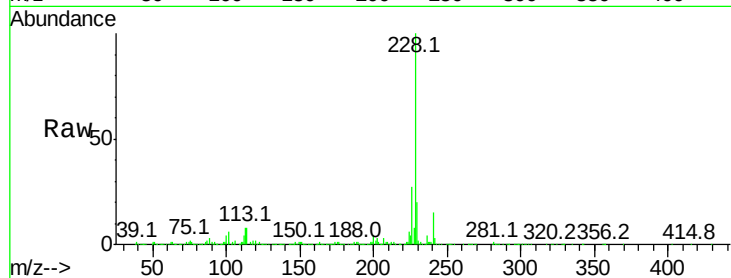
BNA_M

ClientSampleId :

SSTD02045

Tot Ion:228 Resp: 1082415

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	26.6	22.1	33.1

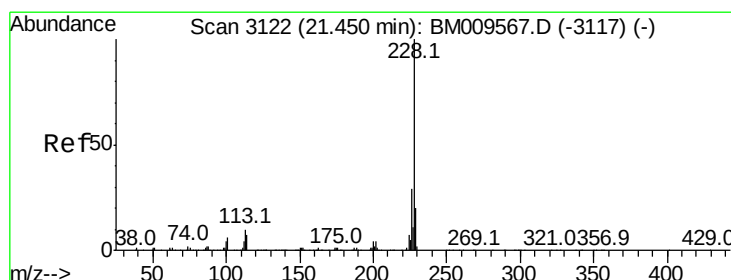
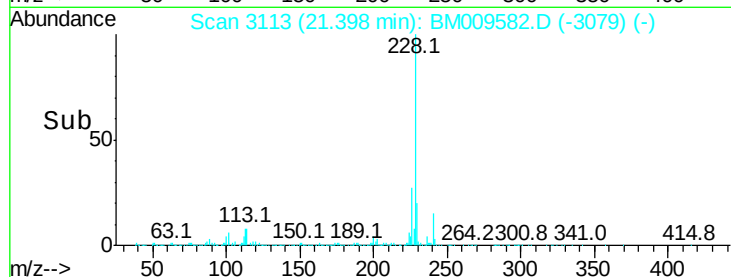
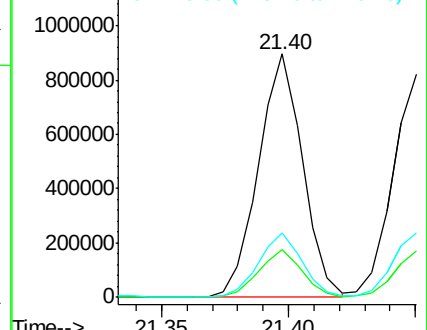


Abundance

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: 20.13 ng/ul

RT: 21.45 min Scan# 3122

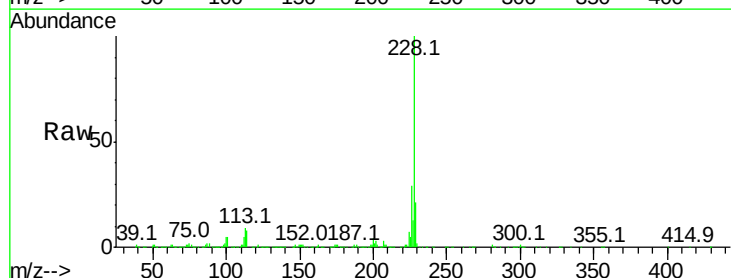
Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Tgt Ion:228 Resp: 975153

Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.6
229	20.6	16.6	25.0

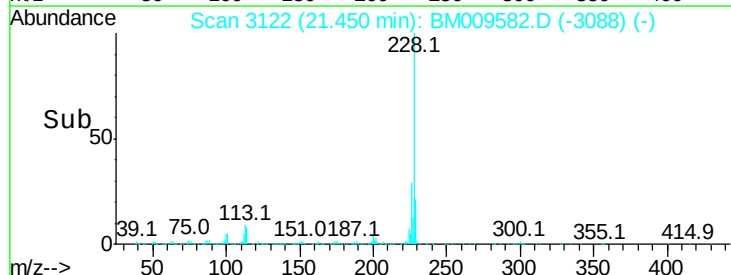
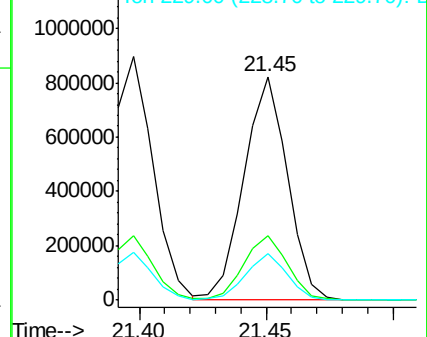


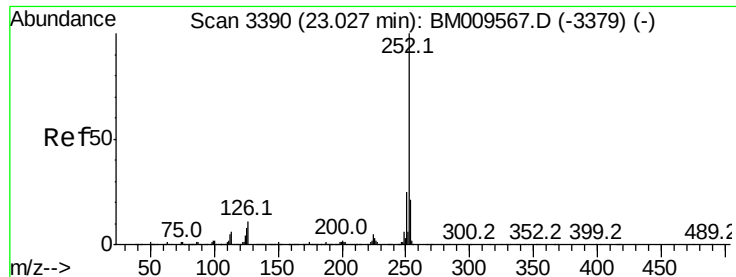
Abundance

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: 19.26 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

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ClientSampleId :

SSTD02045

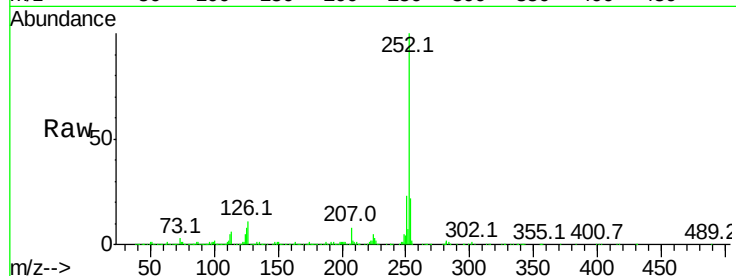
Tot Ion:252 Resp: 1087134

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

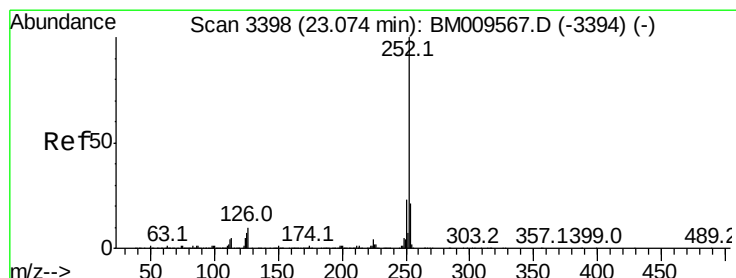
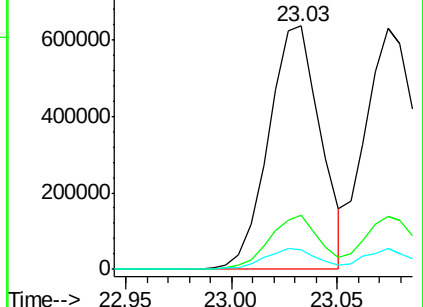
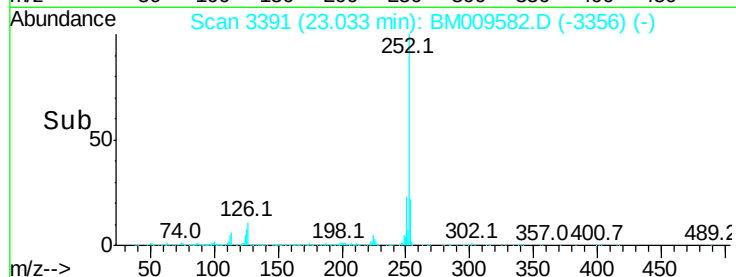
125 8.3 9.4 14.0#



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: 19.70 ng/ul

RT: 23.07 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

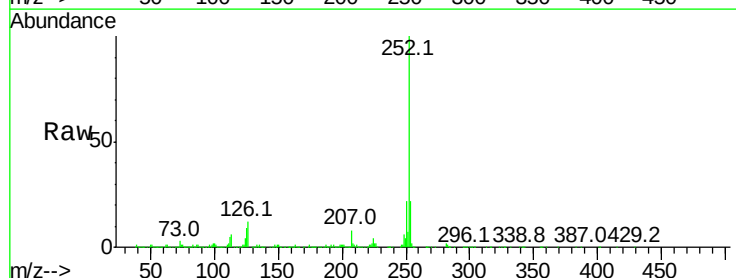
Tgt Ion:252 Resp: 1059682

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

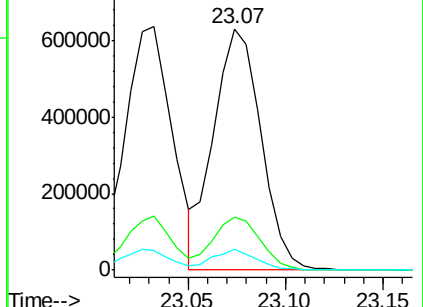
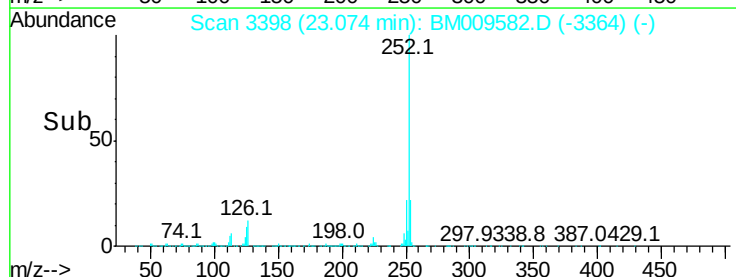
125 8.7 8.8 13.2#

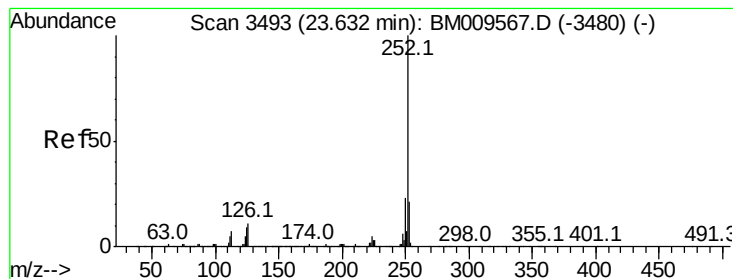


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 19.69 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

BNA_M

ClientSampleId :

SSTD02045

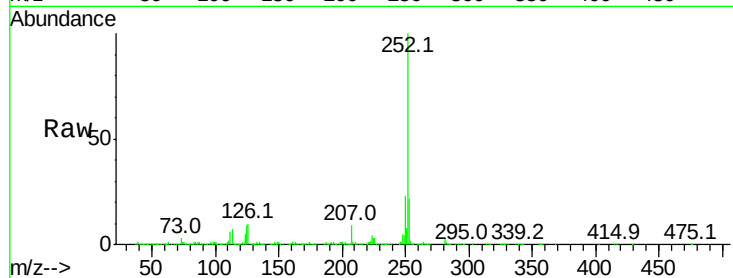
Tot Ion:252 Resp: 1056622

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

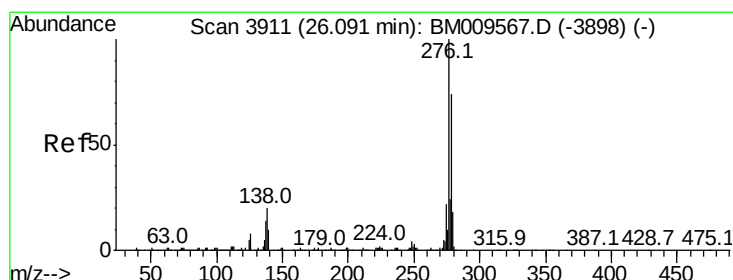
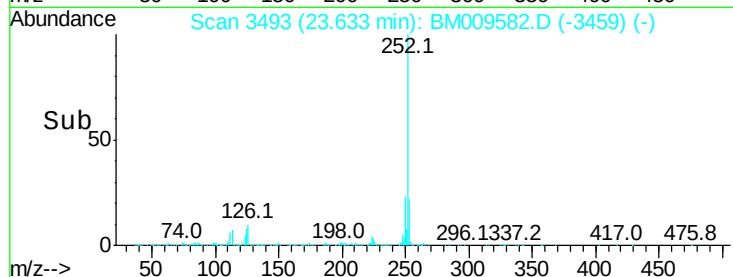
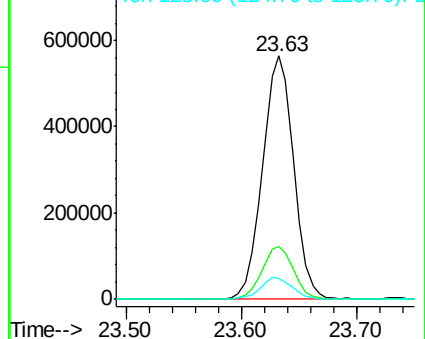
125 8.5 9.4 14.2#



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: 20.24 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. 0.01 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

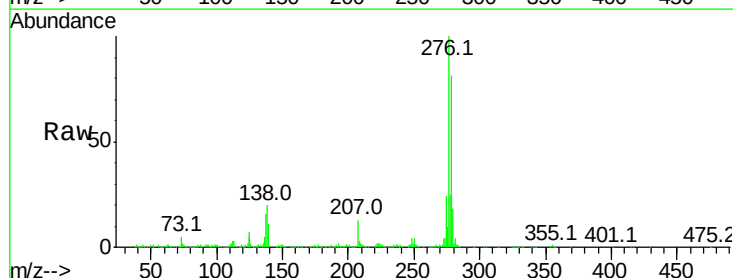
Tgt Ion:276 Resp: 1218066

Ion Ratio Lower Upper

276 100

138 20.1 17.8 26.6

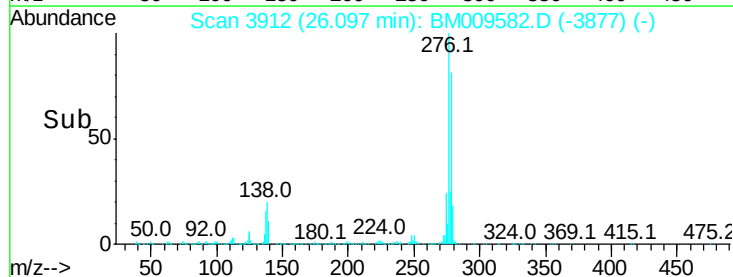
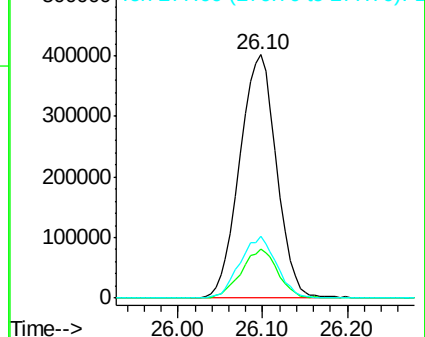
277 25.5 19.4 29.0

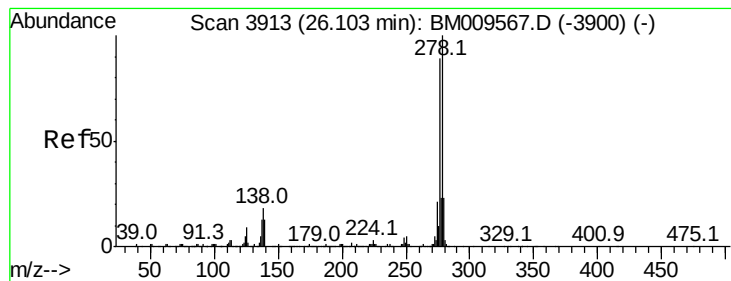


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.05 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Instrument :

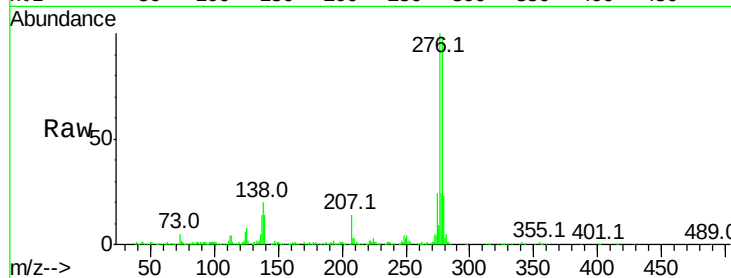
BNA_M

ClientSampleId :

SSTD02045

Tot Ion:278 Resp: 1025386

Ion	Ratio	Lower	Upper
278	100		
139	14.4	14.0	21.0
279	23.3	20.6	31.0

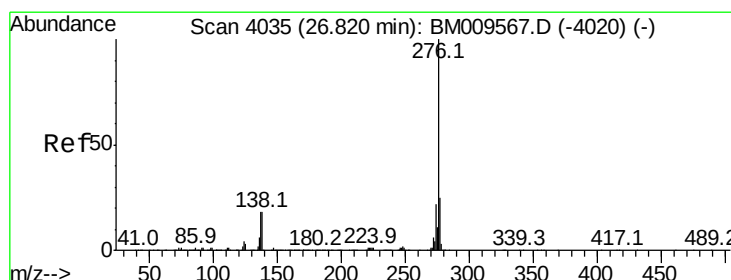
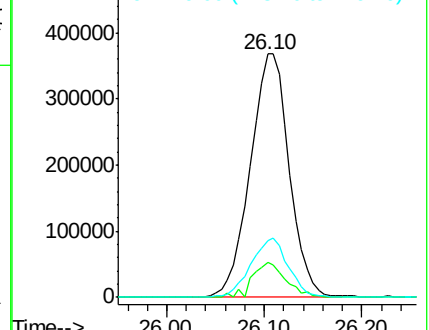
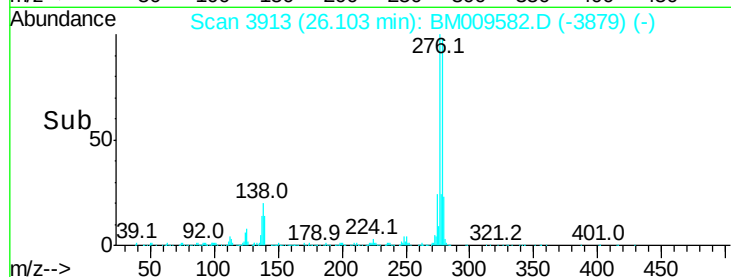


Abundance

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: 20.20 ng/ul

RT: 26.82 min Scan# 4035

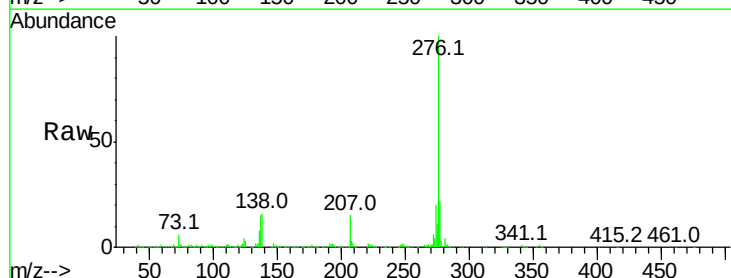
Delta R.T. 0.00 min

Lab File: BM009582.D

Acq: 06 Apr 2017 05:45

Tgt Ion:276 Resp: 1002083

Ion	Ratio	Lower	Upper
276	100		
138	15.9	19.0	28.4#
277	22.3	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

