

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040817\
 Data File : BM009640.D
 Acq On : 07 Apr 2017 21:50
 Operator : SJ/MA
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02051

Quant Time: Apr 08 01:46:41 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 08 01:45:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	171681	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	665881	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	393136	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	876628	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1063059	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1021682	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	207698	20.29	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	786381	20.41	ng/ul	0.00
10) Fluorene-d10	15.48	176	527747	19.04	ng/ul	0.00
15) Anthracene-d10	17.34	188	827771	19.74	ng/ul	0.00
19) Pyrene-d10	19.63	212	915307	20.95	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	888461	19.70	ng/ul	0.00

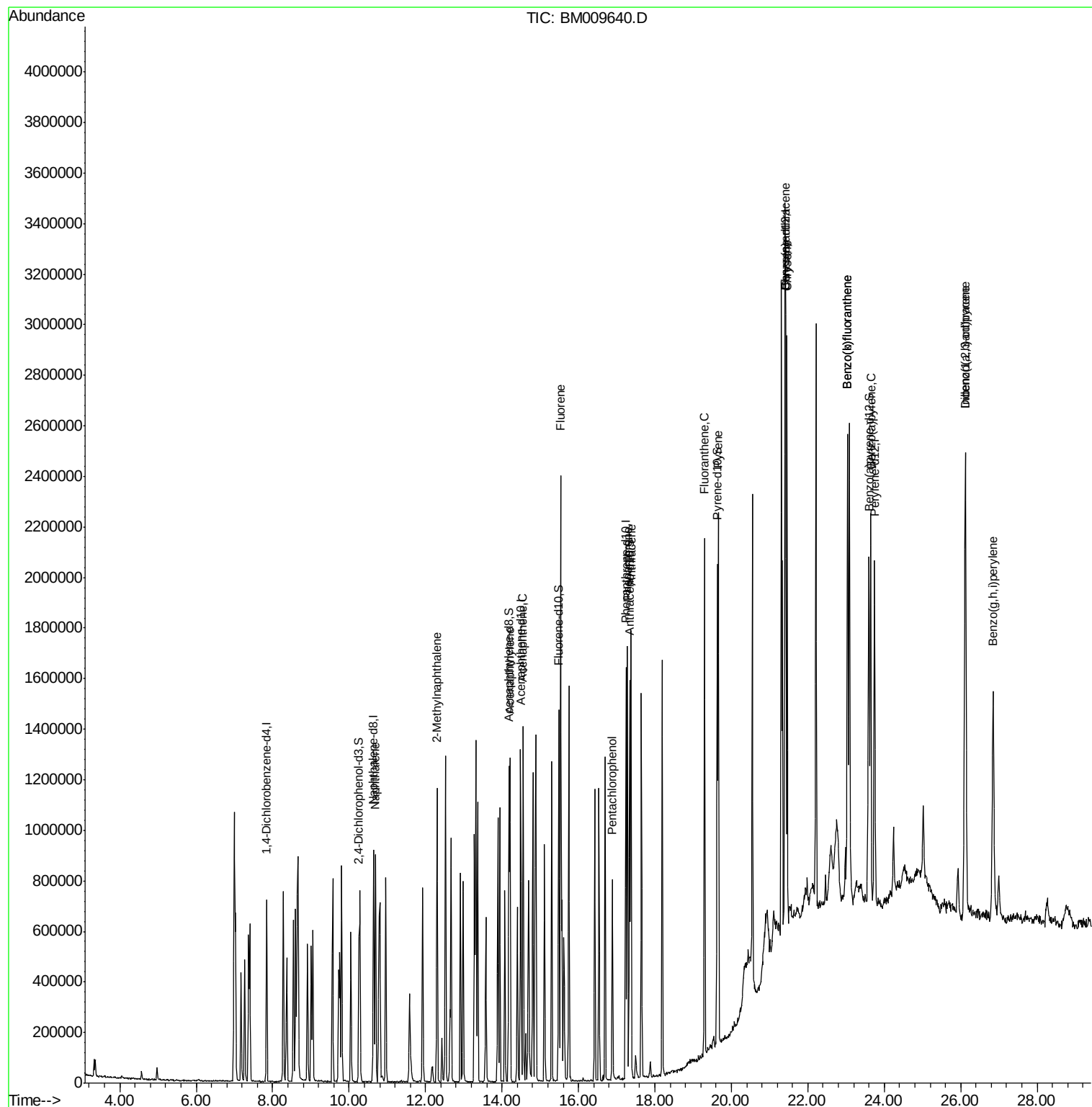
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	666333	19.51	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	490032	19.71	ng/ul	96
8) Acenaphthylene	14.21	152	780582	20.20	ng/ul	98
9) Acenaphthene	14.55	153	516772	19.42	ng/ul	98
11) Fluorene	15.54	166	612890	18.86	ng/ul	98
13) Pentachlorophenol	16.89	266	125287	20.16	ng/uL	93
14) Phenanthrene	17.28	178	944216	19.16	ng/ul	97
16) Anthracene	17.37	178	999132	19.60	ng/ul	97
17) Fluoranthene	19.30	202	1140715	18.58	ng/ul	96
20) Pyrene	19.66	202	1204808	20.81	ng/ul	95
21) Benzo(a)anthracene	21.40	228	1187068	19.75	ng/ul	98
22) Chrysene	21.46	228	1088812	19.76	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	1207535	19.11	ng/ul	98
25) Benzo(k)fluoranthene	23.04	252	1207535	20.06	ng/ul	98
27) Benzo(a)pyrene	23.64	252	1148026	19.11	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	26.12	276	1333079	19.79	ng/ul	97
29) Dibenzo(a,h)anthracene	26.13	278	1140823	19.93	ng/ul#	93
30) Benzo(g,h,i)perylene	26.85	276	1125231	20.26	ng/ul#	91

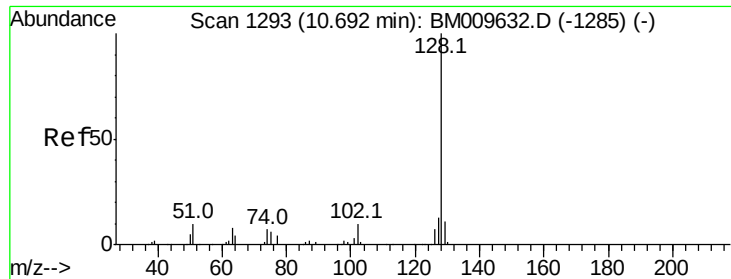
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 08 01:45:48 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.51 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampleId :

SSTD02051

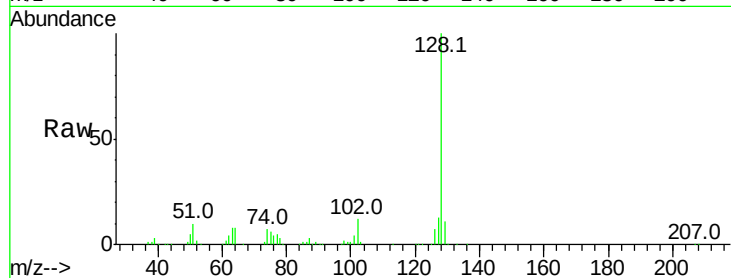
Tot Ion:128 Resp: 666333

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

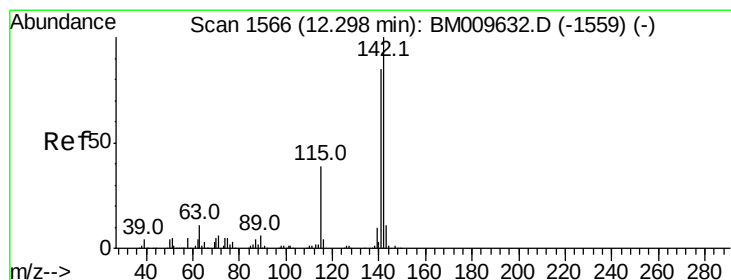
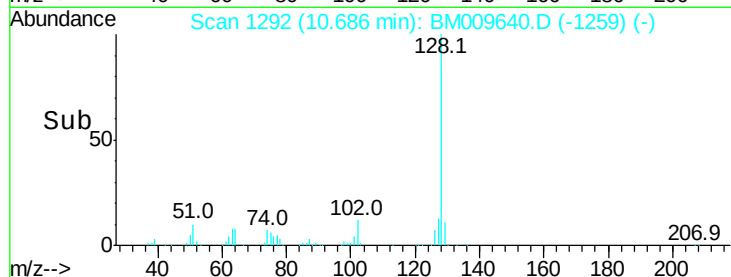
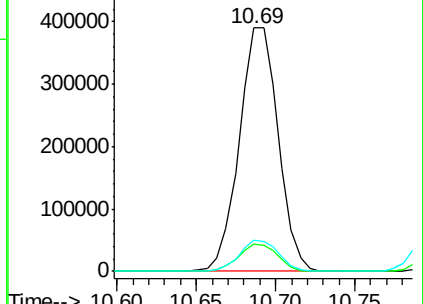
127 12.9 10.6 15.8



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: 19.71 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BM009640.D

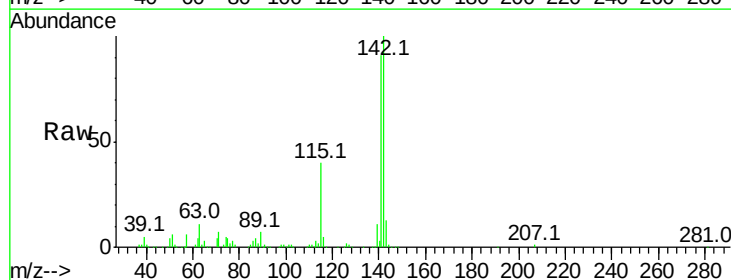
Acq: 07 Apr 2017 21:50

Tgt Ion:142 Resp: 490032

Ion Ratio Lower Upper

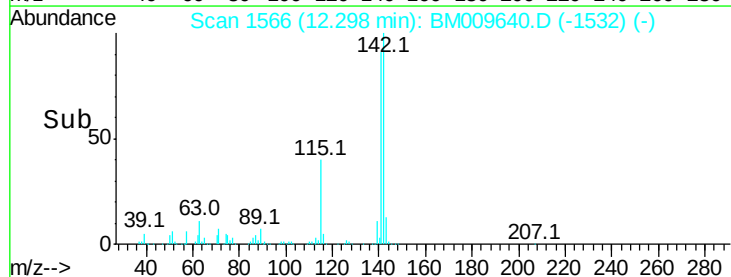
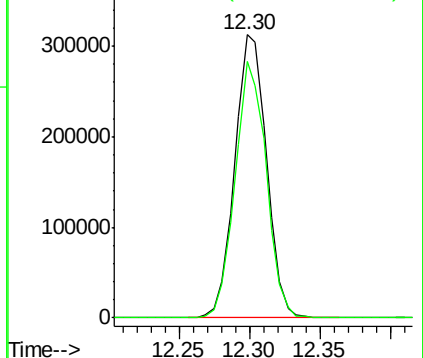
142 100

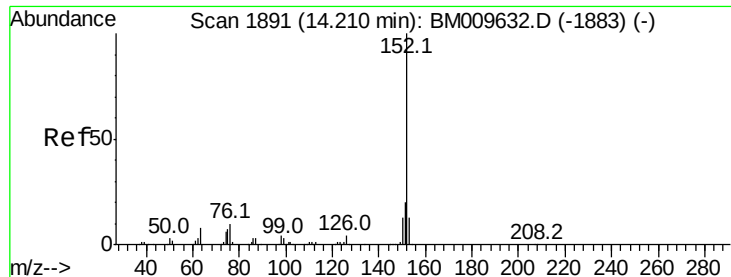
141 90.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.20 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampleId :

SSTD02051

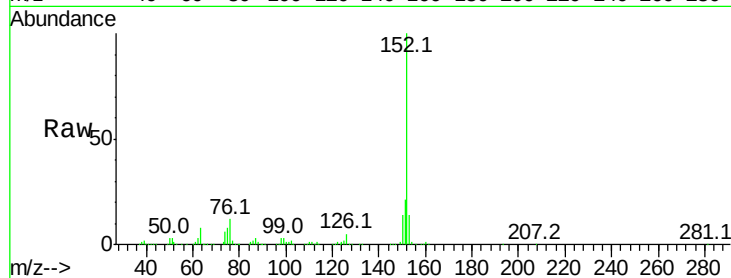
Tot Ion:152 Resp: 780582

Ion Ratio Lower Upper

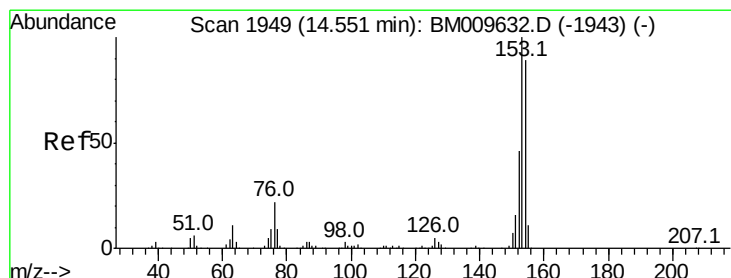
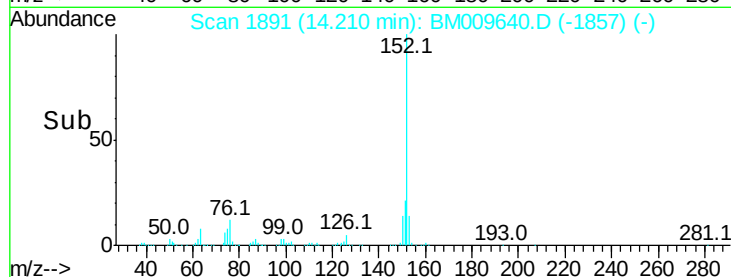
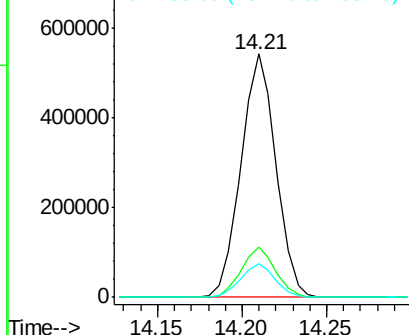
152 100

151 20.5 17.5 26.3

153 13.8 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: 19.42 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

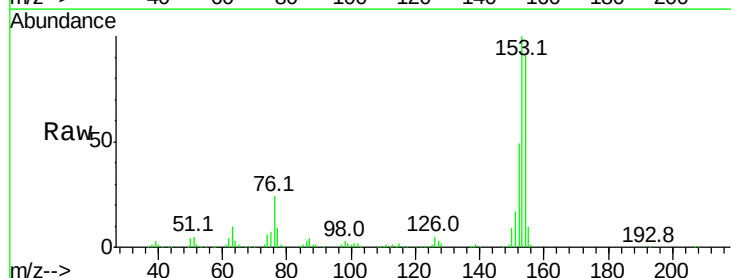
Tgt Ion:153 Resp: 516772

Ion Ratio Lower Upper

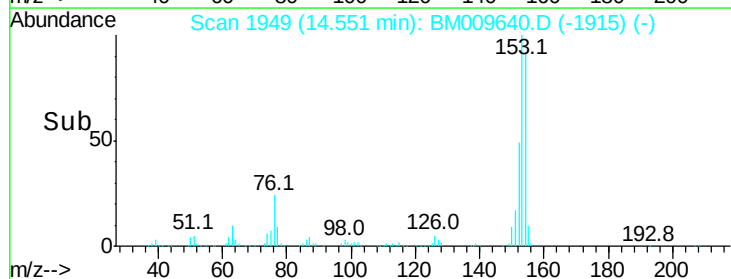
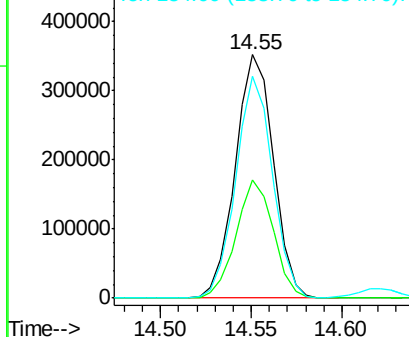
153 100

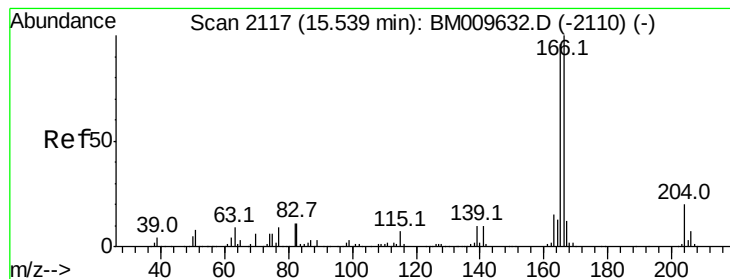
152 48.6 37.9 56.9

154 91.0 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: 18.86 ng/uL

RT: 15.54 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampleId :

SSTD02051

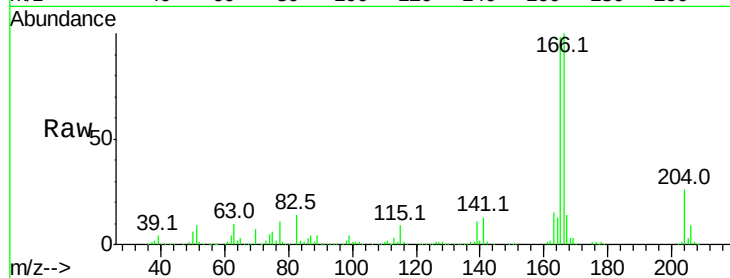
Tot Ion:166 Resp: 612890

Ion Ratio Lower Upper

166 100

165 97.7 80.0 120.0

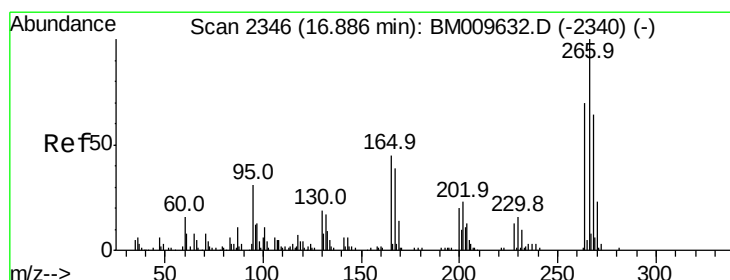
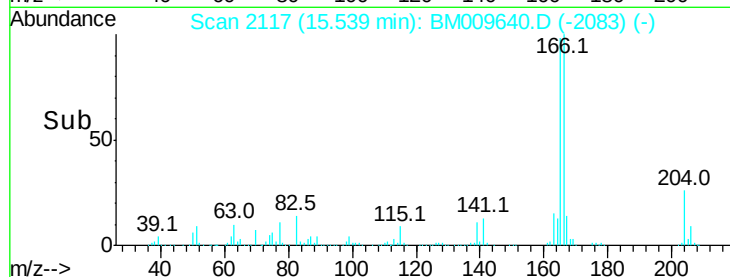
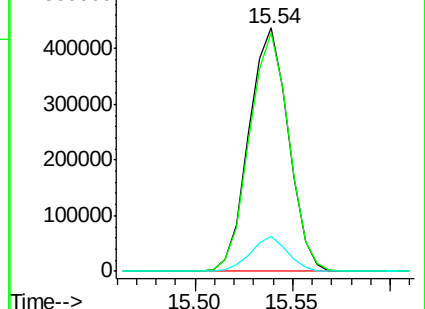
167 14.1 11.6 17.4



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: 20.16 ng/uL

RT: 16.89 min Scan# 2346

Delta R.T. 0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

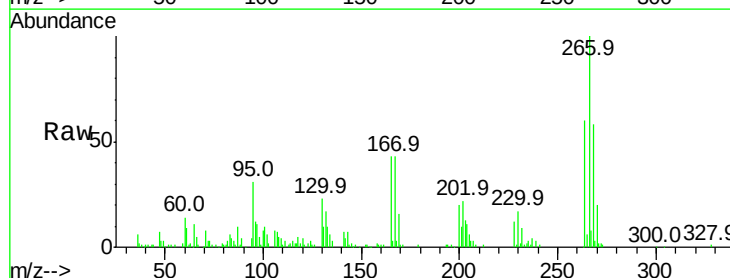
Tgt Ion:266 Resp: 125287

Ion Ratio Lower Upper

266 100

264 59.8 52.0 78.0

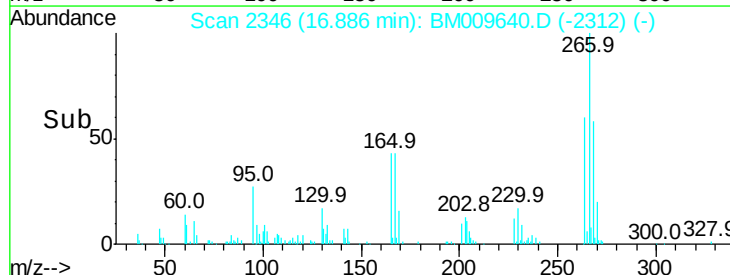
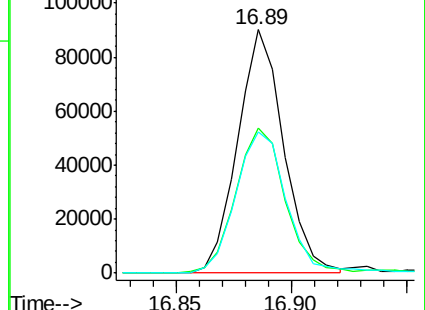
268 57.9 51.2 76.8

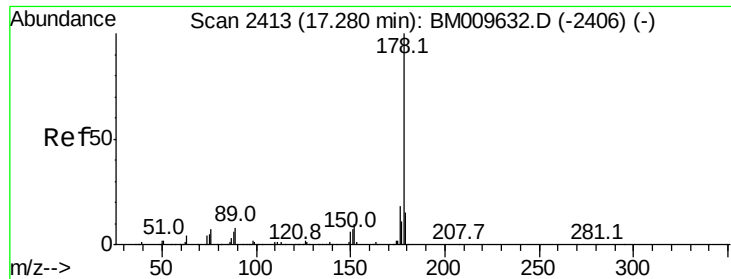


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.16 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampleId :

SSTD02051

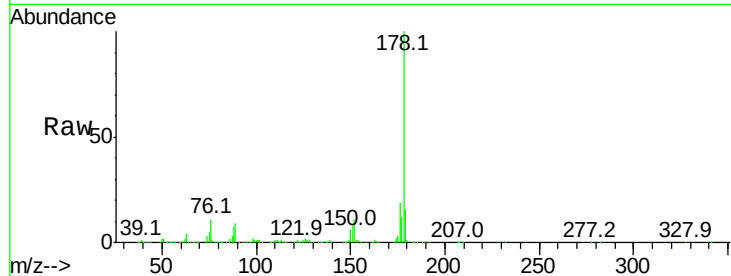
Tot Ion:178 Resp: 944216

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

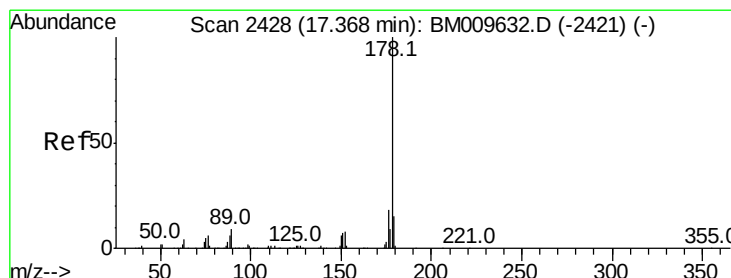
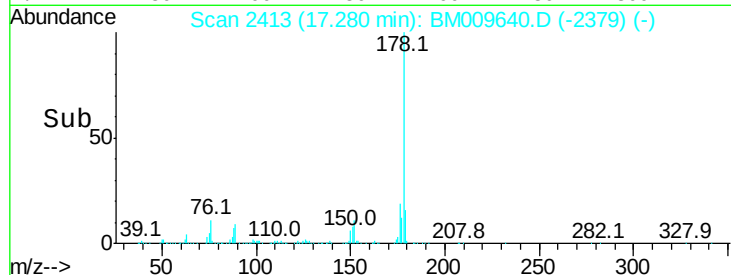
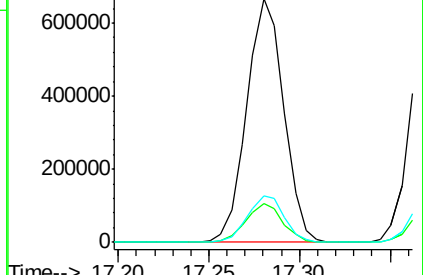
176 18.9 16.4 24.6



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: 19.60 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

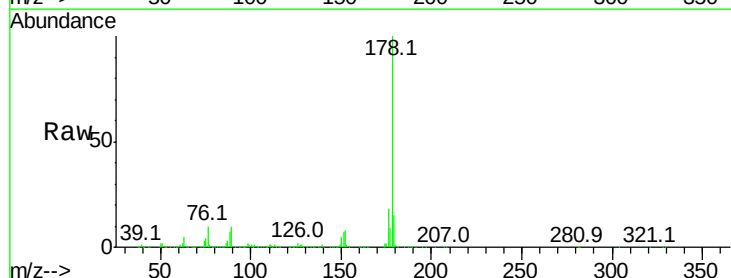
Tgt Ion:178 Resp: 999132

Ion Ratio Lower Upper

178 100

179 14.8 12.7 19.1

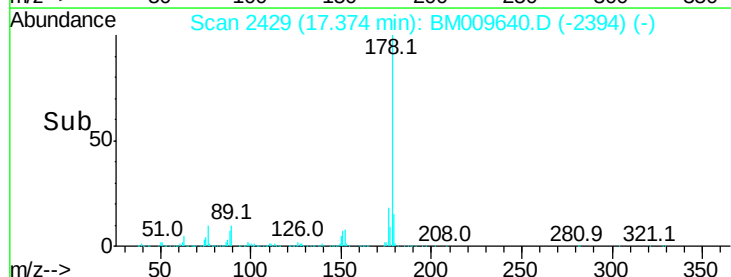
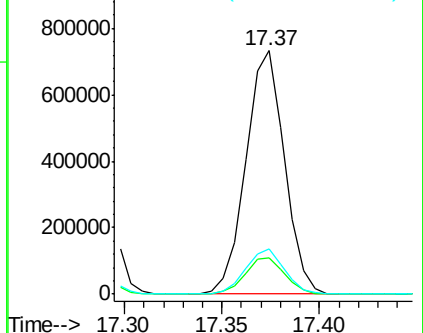
176 18.3 15.8 23.8

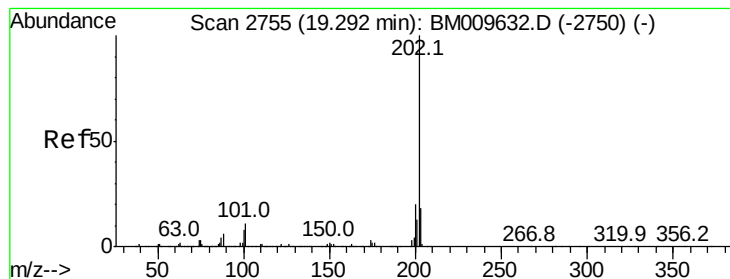


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 18.58 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

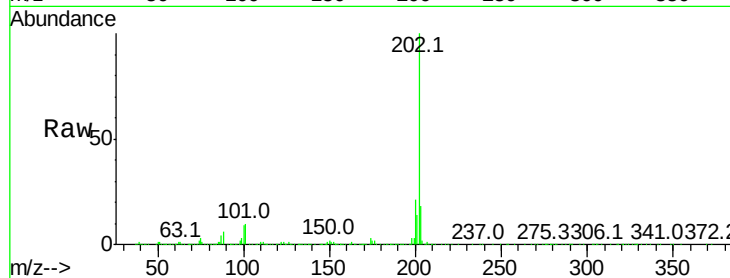
BNA_M

ClientSampleId :

SSTD02051

Tot Ion:202 Resp: 1140715

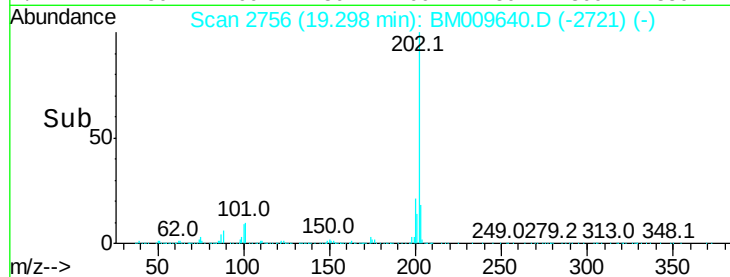
Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.7	7.5	11.3



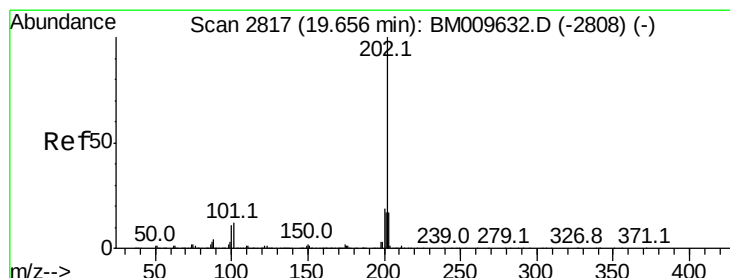
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#20

Pyrene

Concen: 20.81 ng/ul

RT: 19.66 min Scan# 2818

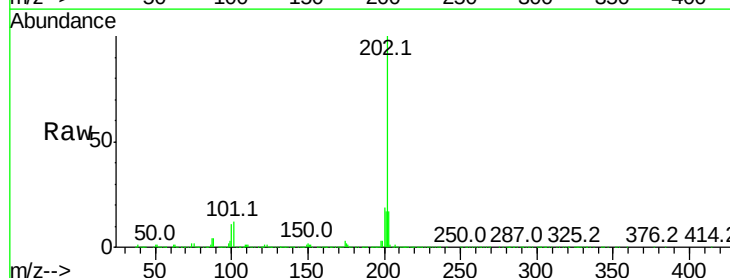
Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Tgt Ion:202 Resp: 1204808

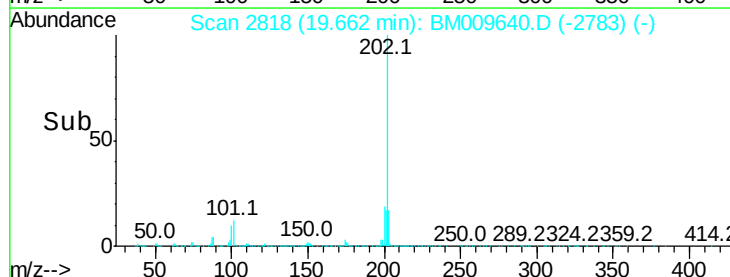
Ion	Ratio	Lower	Upper
202	100		
101	11.7	11.2	16.8
100	10.5	9.8	14.6



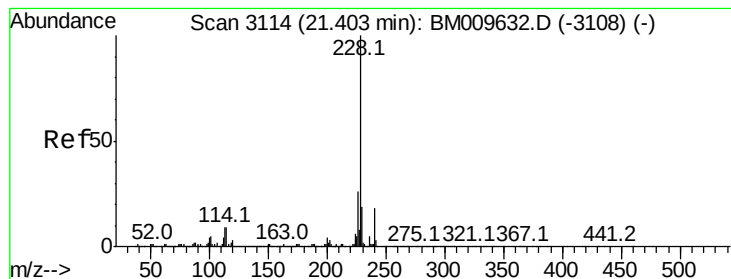
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#21

Benzo(a)anthracene

Concen: 19.75 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampleId :

SSTD02051

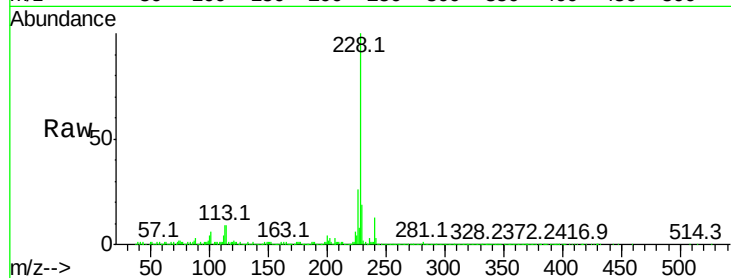
Tot Ion:228 Resp: 1187068

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.9	23.9
226	25.9	22.1	33.1

228 100

229 19.4 15.9 23.9

226 25.9 22.1 33.1

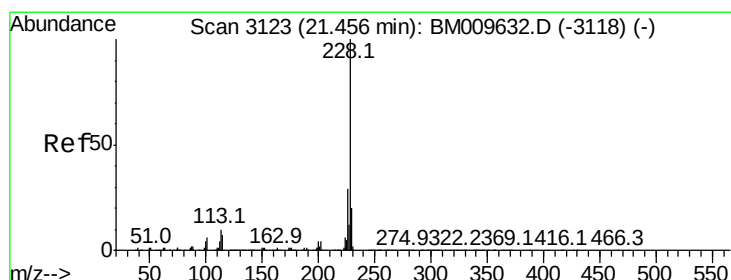
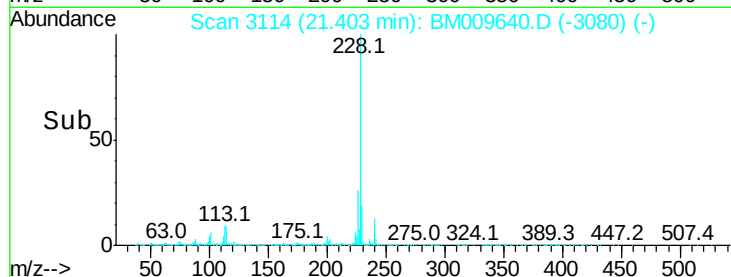
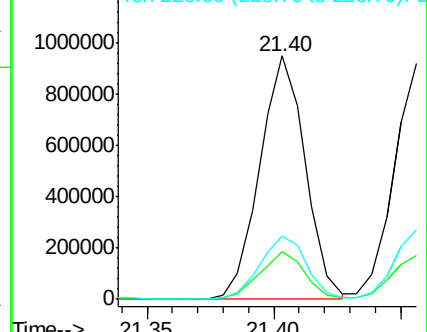


Abundance

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: 19.76 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

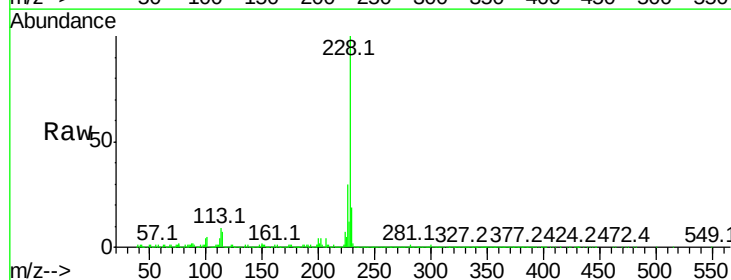
Tgt Ion:228 Resp: 1088812

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	18.7	16.6	25.0

228 100

226 29.6 25.0 37.6

229 18.7 16.6 25.0

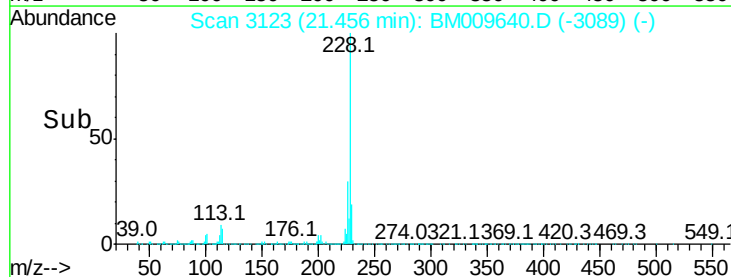
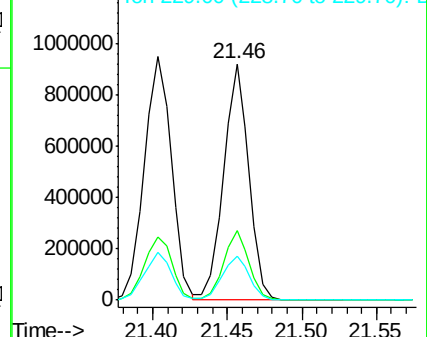


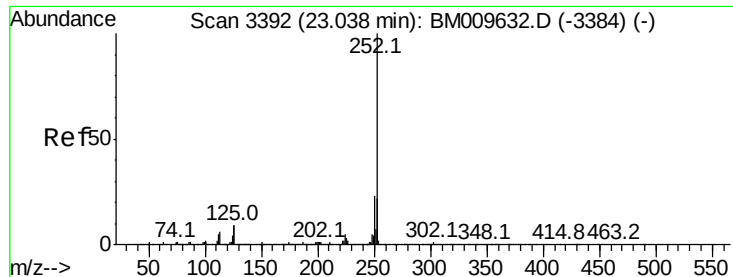
Abundance

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: 19.11 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.00 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

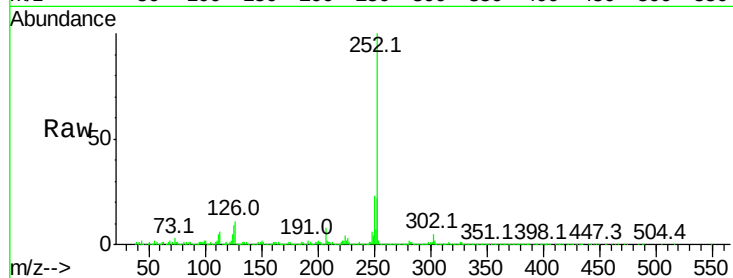
BNA_M

ClientSampleId :

SSTD02051

Tot Ion:252 Resp: 1207535

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.4	9.4	14.0

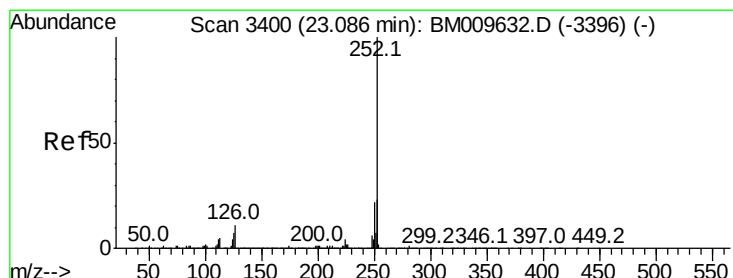
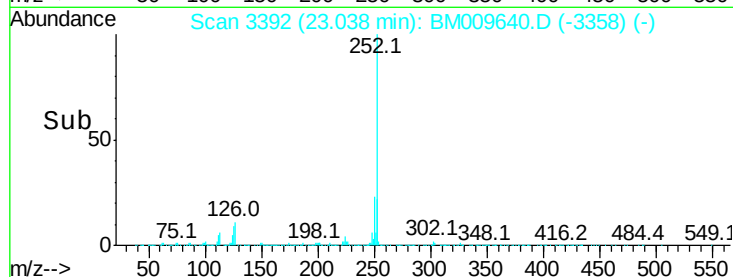
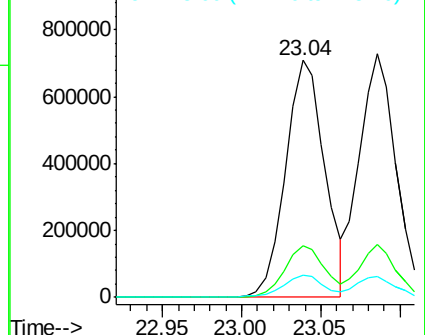


Abundance

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: 20.06 ng/ul

RT: 23.04 min Scan# 3392

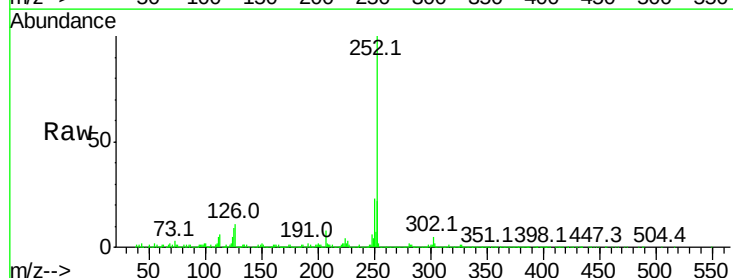
Delta R.T. -0.05 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Tgt Ion:252 Resp: 1207535

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.4	8.8	13.2

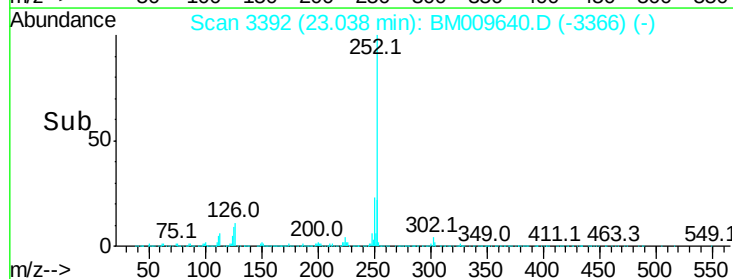
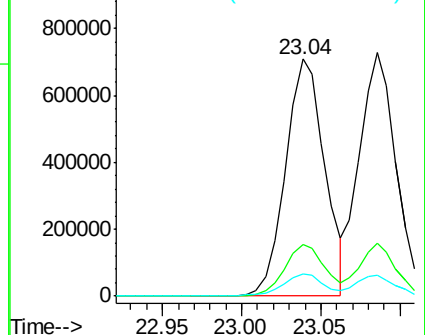


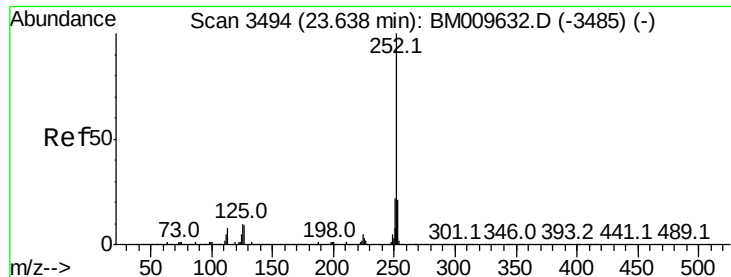
Abundance

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: 19.11 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampleId :

SSTD02051

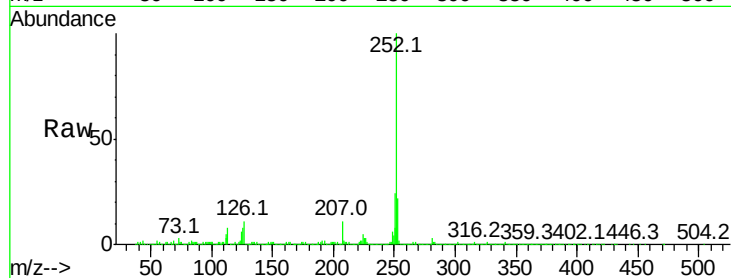
Tot Ion:252 Resp: 1148026

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	8.4	9.4	14.2

252 100

253 22.4 17.1 25.7

125 8.4 9.4 14.2

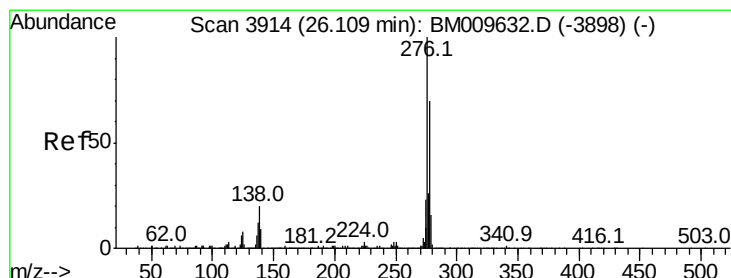
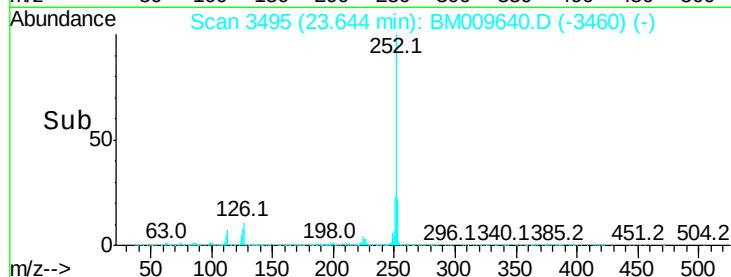
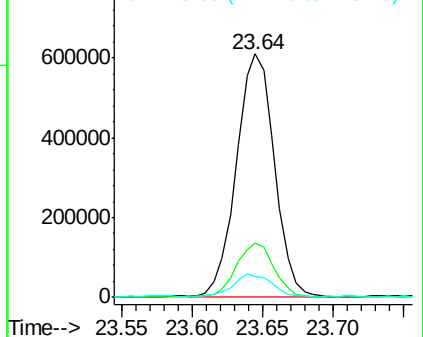


Abundance

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: 19.79 ng/ul

RT: 26.12 min Scan# 3916

Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

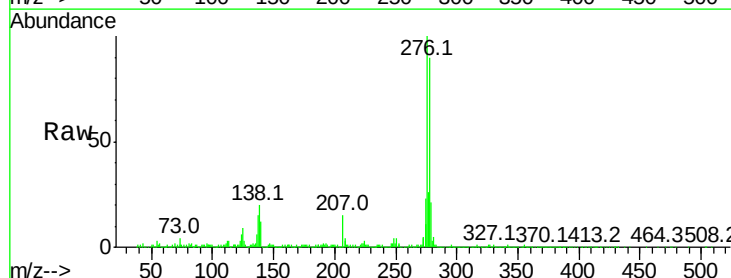
Tgt Ion:276 Resp: 1333079

Ion	Ratio	Lower	Upper
276	100		
138	20.3	17.8	26.6
277	25.6	19.4	29.0

276 100

138 20.3 17.8 26.6

277 25.6 19.4 29.0

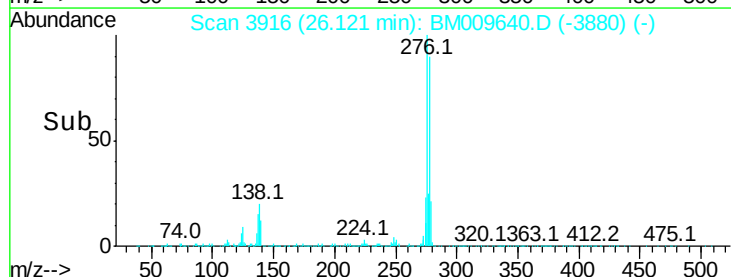
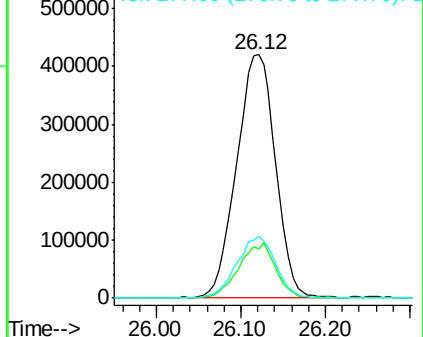


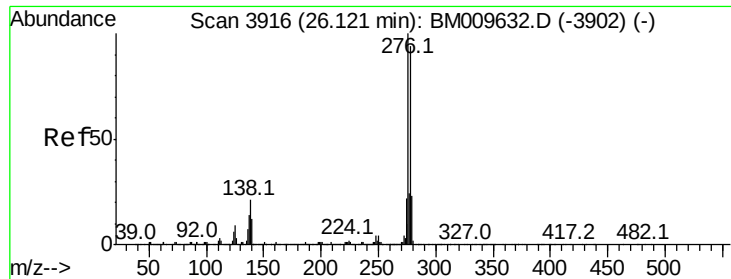
Abundance

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: 19.93 ng/ul

RT: 26.13 min Scan# 3917

Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

Instrument :

BNA_M

ClientSampled :

SSTD02051

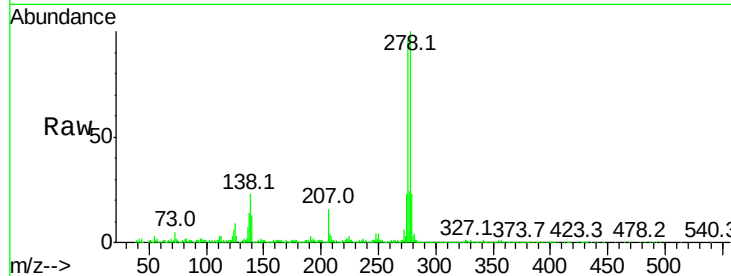
Tot Ion:278 Resp: 1140823

Ion Ratio Lower Upper

278 100

139 13.4 14.0 21.0#

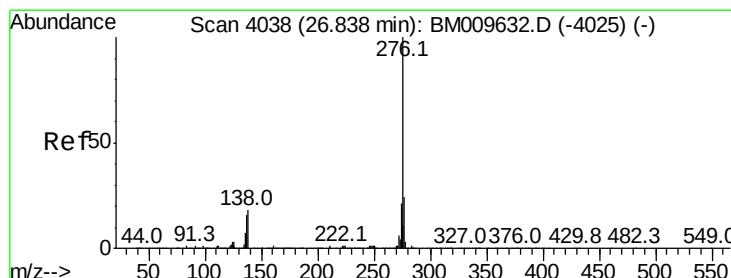
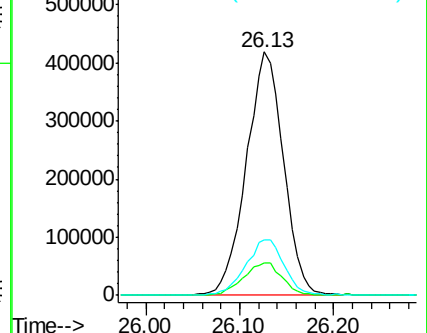
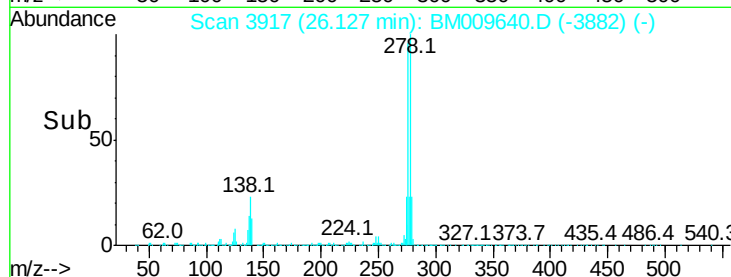
279 22.9 20.6 31.0



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: 20.26 ng/ul

RT: 26.85 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BM009640.D

Acq: 07 Apr 2017 21:50

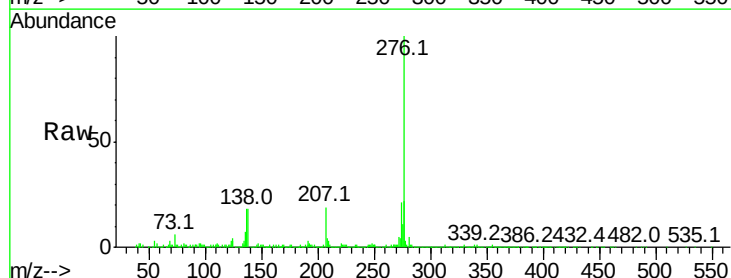
Tgt Ion:276 Resp: 1125231

Ion Ratio Lower Upper

276 100

138 17.7 19.0 28.4#

277 21.9 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

