

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009564.D
 Acq On : 05 Apr 2017 18:58
 Operator : SJ/MA
 Sample : I2285-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB339

Quant Time: Apr 06 03:22:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 03:22:40 2017
 Response via : Initial Calibration

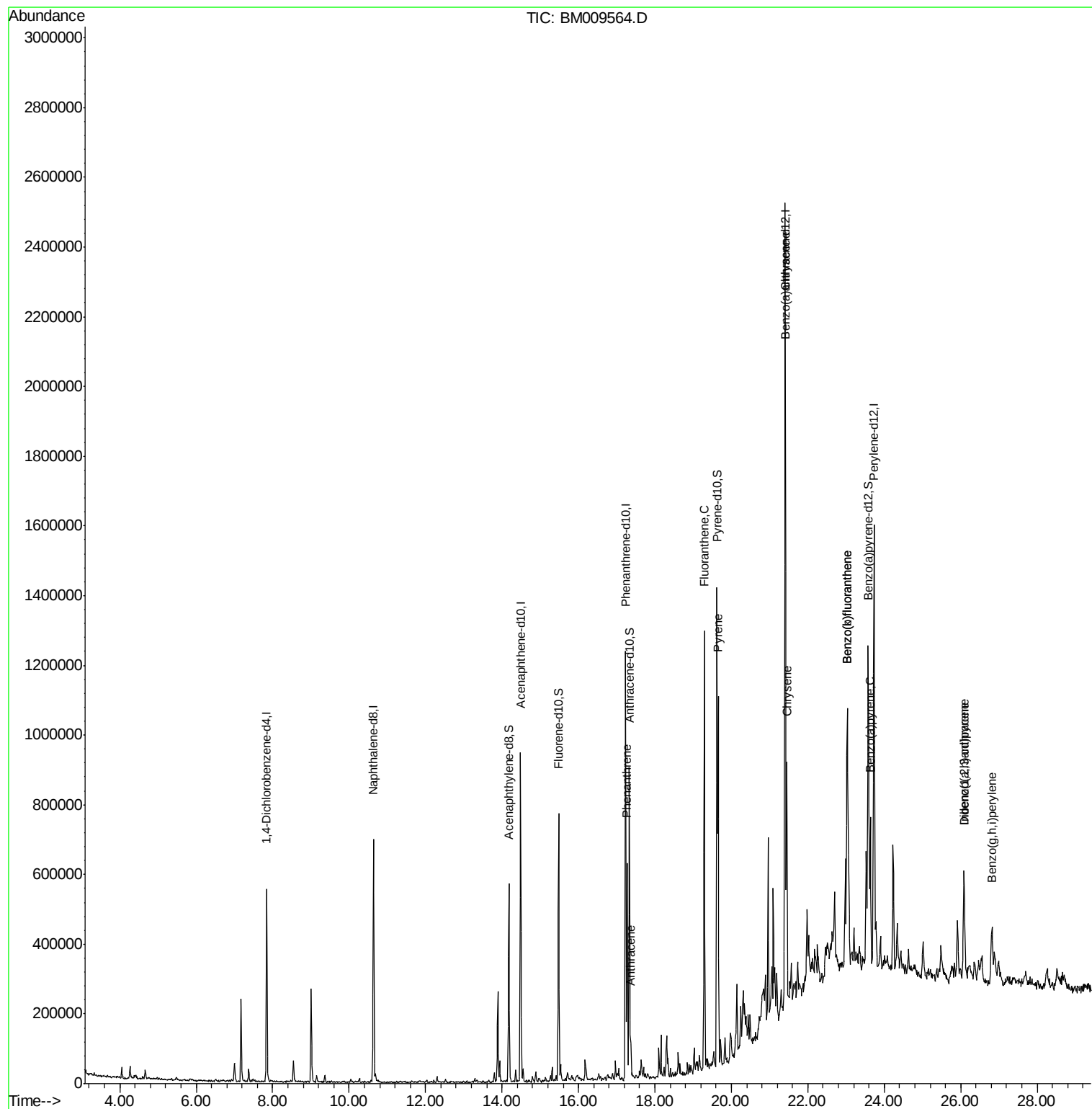
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	128809	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	492500	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	283122	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	668401	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	959729	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	939186	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	1173	0.15	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	376381	13.56	ng/ul	0.00
10) Fluorene-d10	15.48	176	282937	14.18	ng/ul	0.00
15) Anthracene-d10	17.33	188	461206	14.42	ng/ul	0.00
19) Pyrene-d10	19.63	212	584394	14.82	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.58	264	613279	14.79	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.27	178	350205	9.32	ng/ul	95
16) Anthracene	17.36	178	73160	1.88	ng/ul	98
17) Fluoranthene	19.29	202	698618	14.93	ng/ul#	95
20) Pyrene	19.66	202	610833	11.69	ng/ul	96
21) Benzo(a)anthracene	21.40	228	389950	7.19	ng/ul	97
22) Chrysene	21.45	228	381253	7.67	ng/ul	96
24) Benzo(b)fluoranthene	23.03	252	518727	8.93	ng/ul	98
25) Benzo(k)fluoranthene	23.03	252	518727	9.37	ng/ul	99
27) Benzo(a)pyrene	23.63	252	319691	5.79	ng/ul	95
28) Indeno(1,2,3-cd)pyrene	26.09	276	228030	3.68	ng/ul	97
29) Dibenzo(a,h)anthracene	26.09	278	61342	1.17	ng/ul	97
30) Benzo(a,h,i)perylene	26.81	276	202732	3.97	ng/ul	96

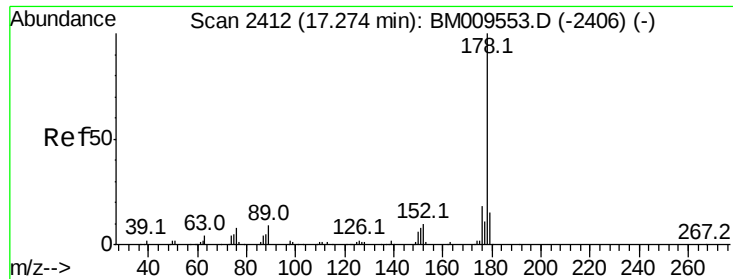
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 9.32 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

Instrument :

BNA_M

ClientSampleId :

CB339

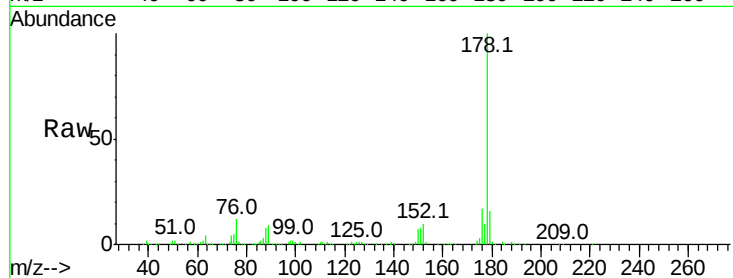
Tot Ion:178 Resp: 350205

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

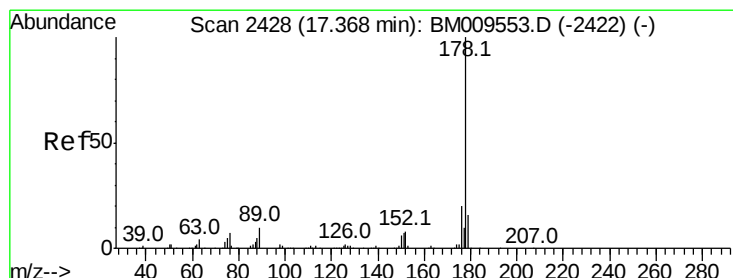
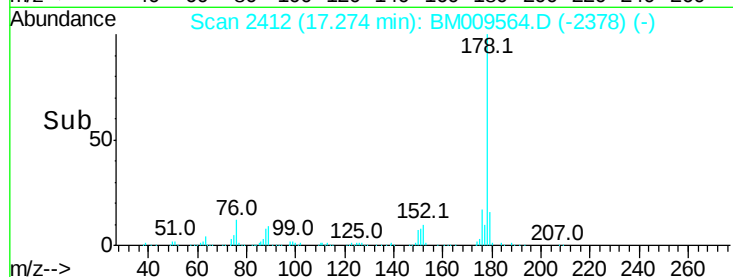
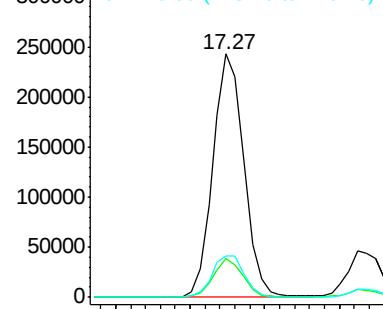
176 17.0 16.4 24.6



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: 1.88 ng/ul

RT: 17.36 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

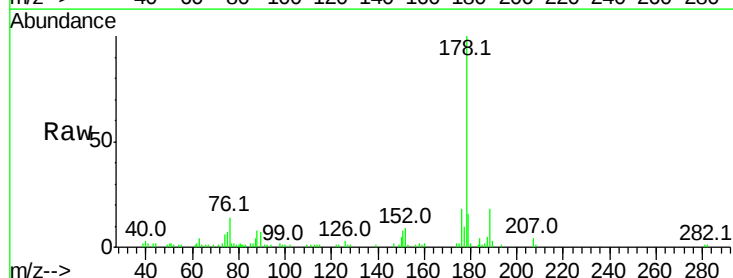
Tgt Ion:178 Resp: 73160

Ion Ratio Lower Upper

178 100

179 16.4 12.7 19.1

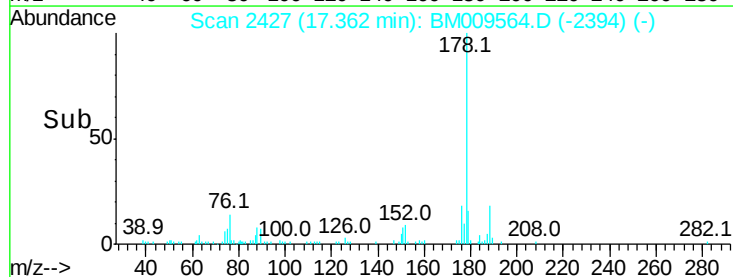
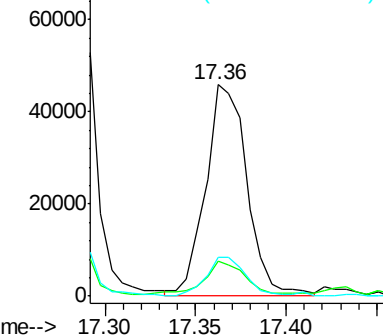
176 18.5 15.8 23.8

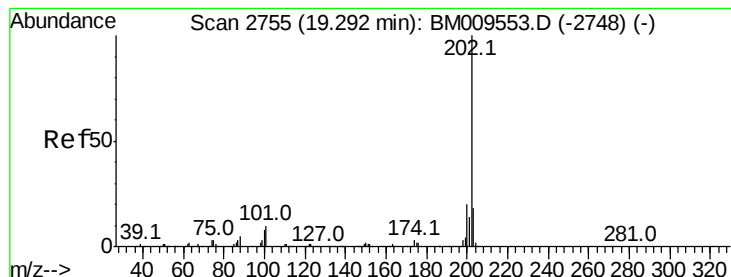


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 14.93 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

Instrument :

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CB339

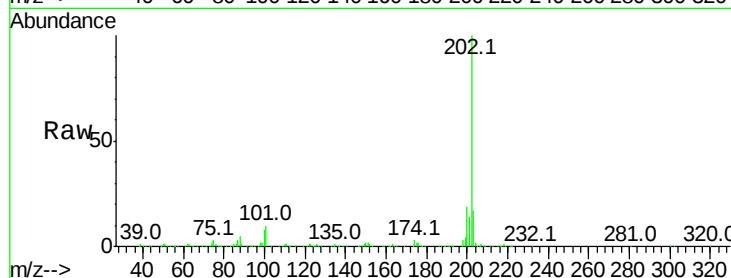
Tot Ion:202 Resp: 698618

Ion Ratio Lower Upper

202 100

101 9.7 9.8 14.8#

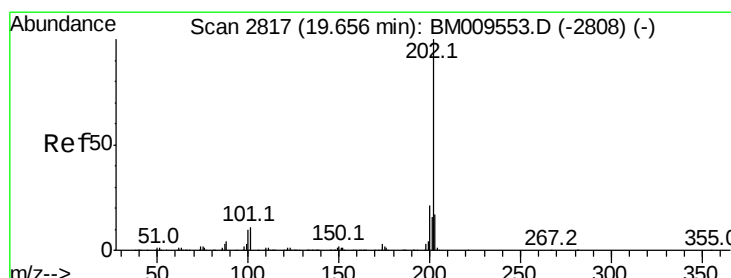
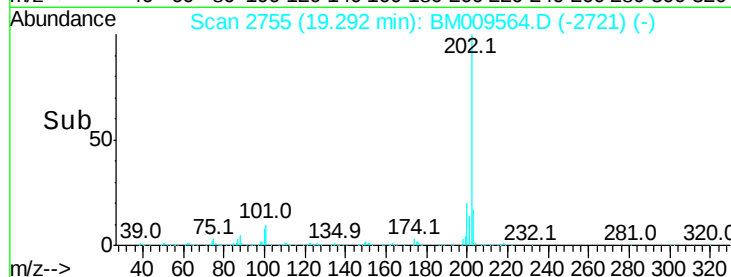
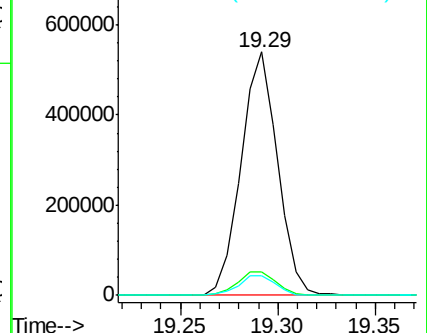
100 8.1 7.5 11.3



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: 11.69 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

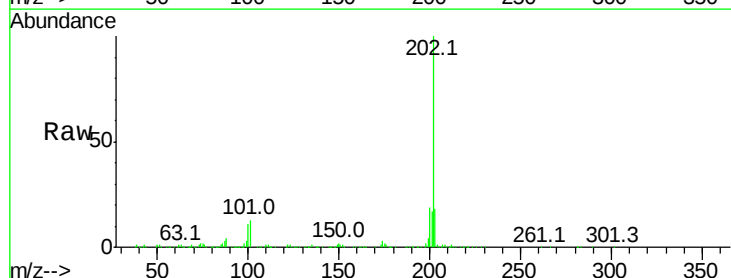
Tgt Ion:202 Resp: 610833

Ion Ratio Lower Upper

202 100

101 12.7 11.2 16.8

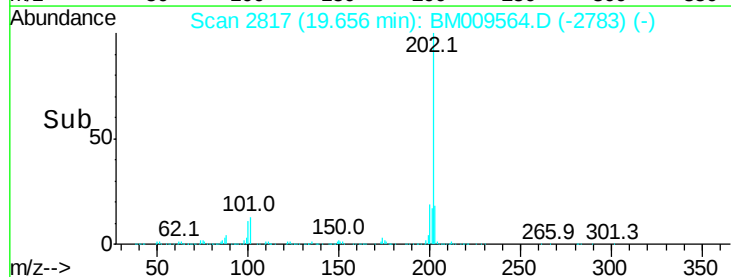
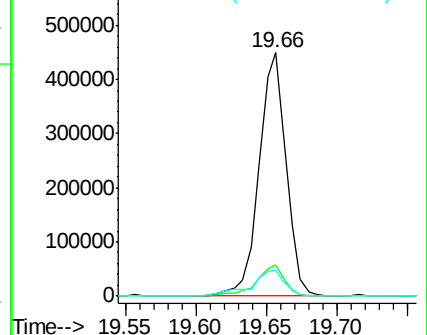
100 10.6 9.8 14.6

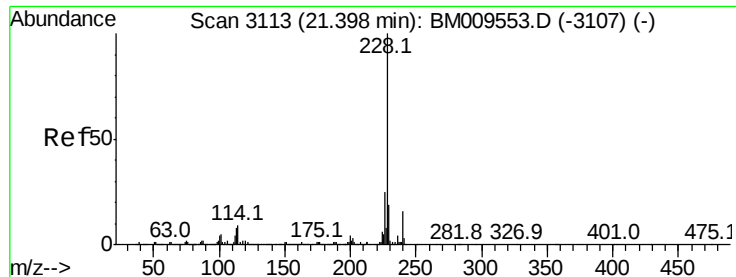


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 7.19 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

Instrument :

BNA_M

ClientSampleId :

CB339

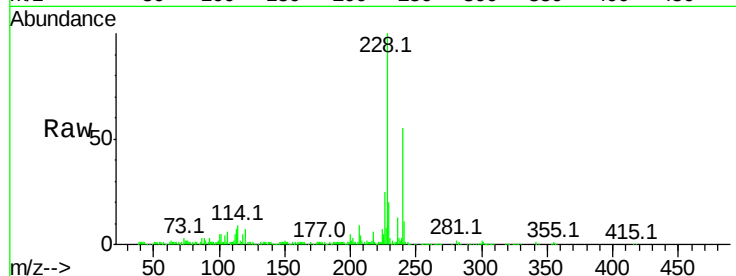
Tot Ion:228 Resp: 389950

Ion Ratio Lower Upper

228 100

229 20.2 15.9 23.9

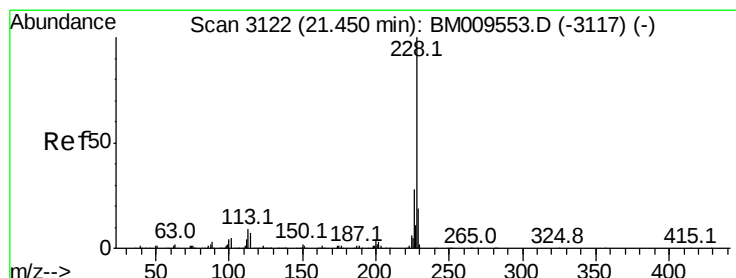
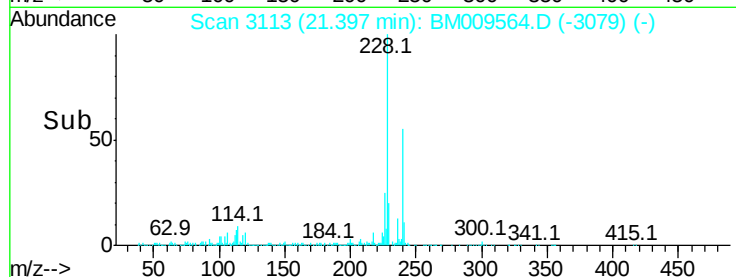
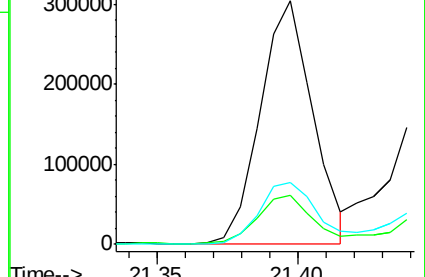
226 25.3 22.1 33.1



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: 7.67 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

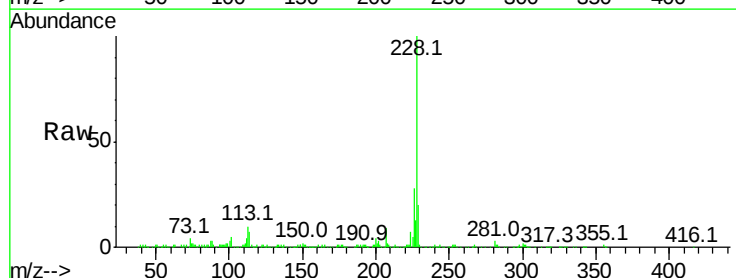
Tgt Ion:228 Resp: 381253

Ion Ratio Lower Upper

228 100

226 28.0 25.0 37.6

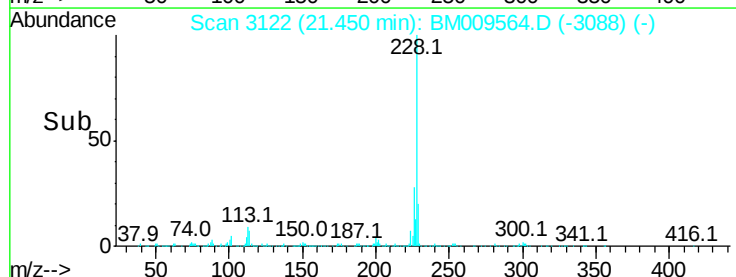
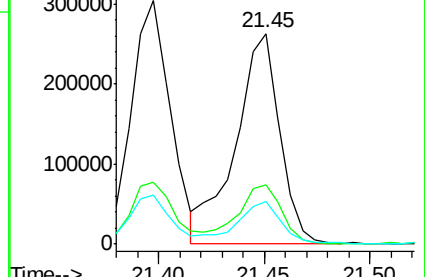
229 20.1 16.6 25.0

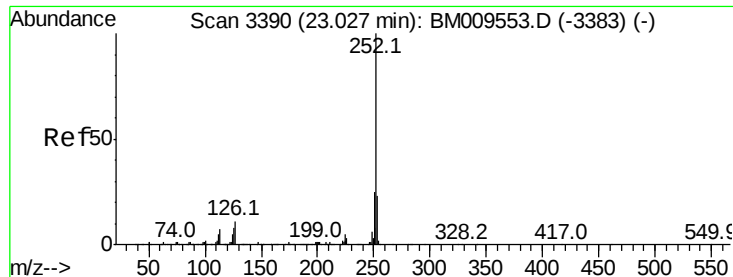


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 8.93 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

Instrument :

BNA_M

ClientSampleId :

CB339

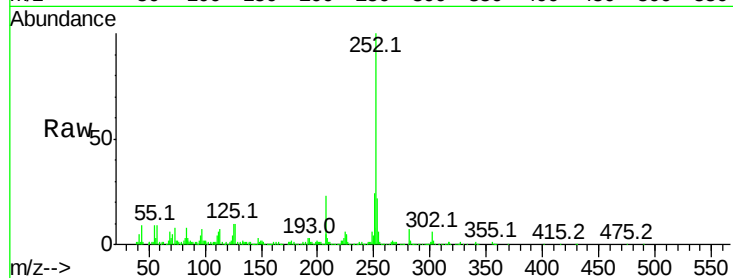
Tot Ion:252 Resp: 518727

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

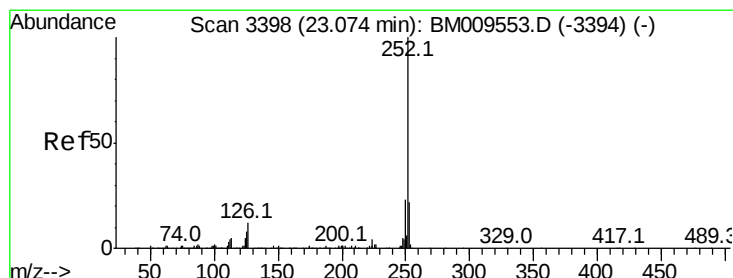
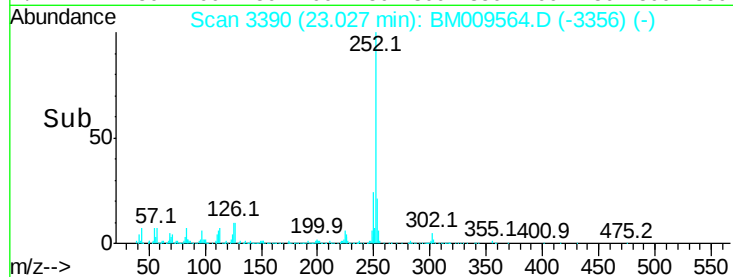
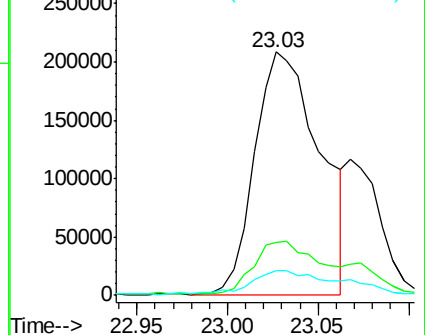
125 10.2 9.4 14.0



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: 9.37 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

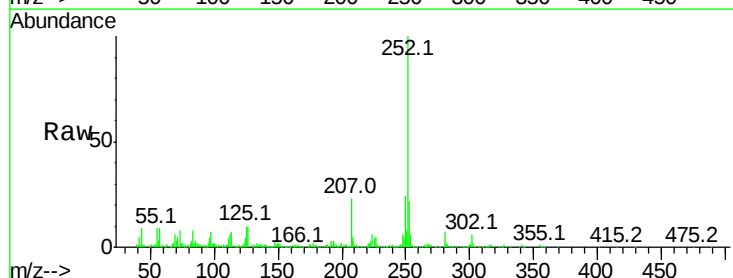
Tgt Ion:252 Resp: 518727

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

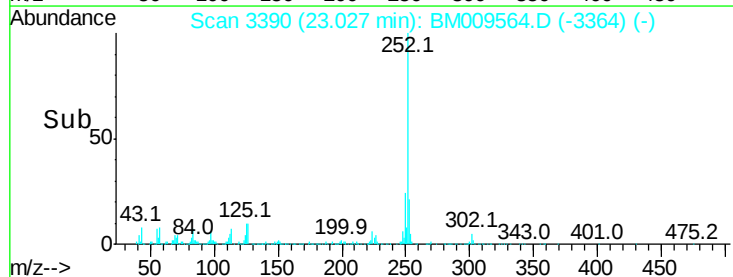
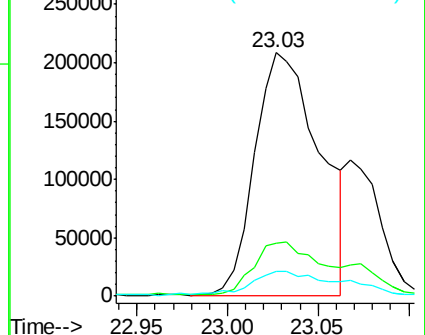
125 10.2 8.8 13.2

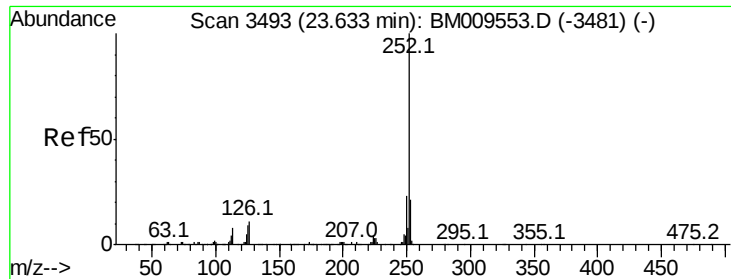


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

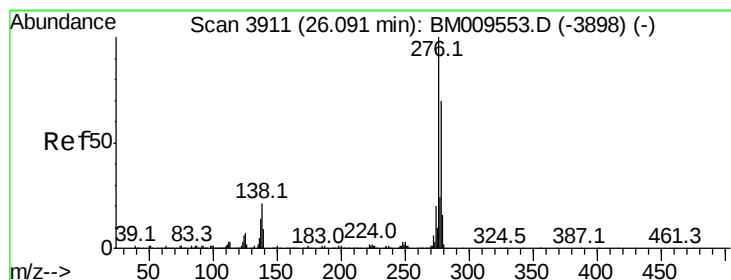
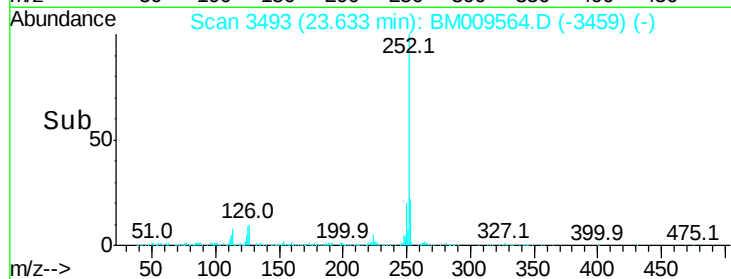
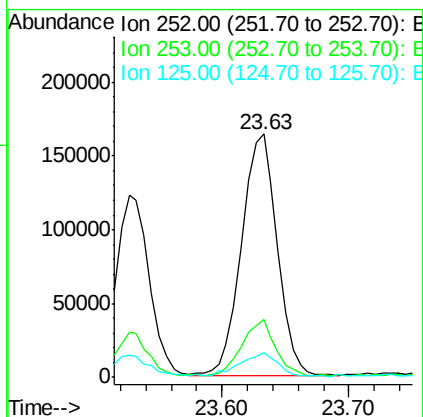
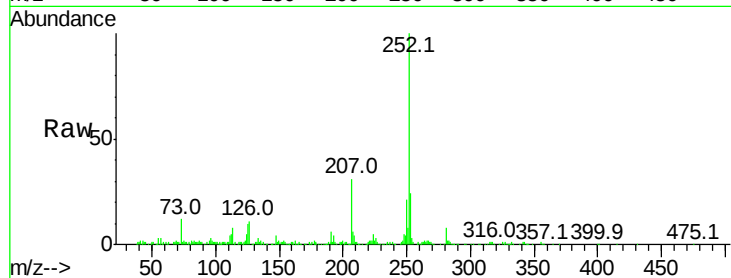




#27
Benzo(a)pyrene
Concen: 5.79 ng/ul
RT: 23.63 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BM009564.D
Acq: 05 Apr 2017 18:58

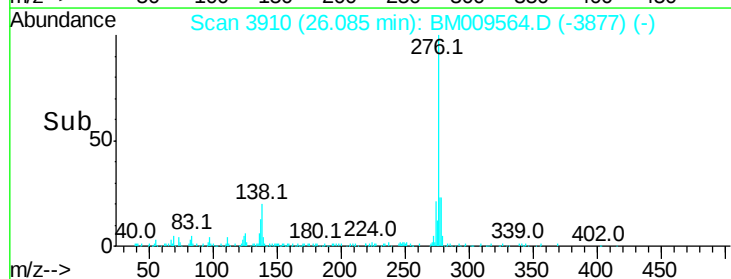
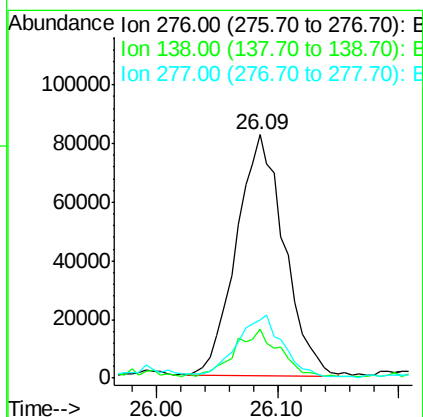
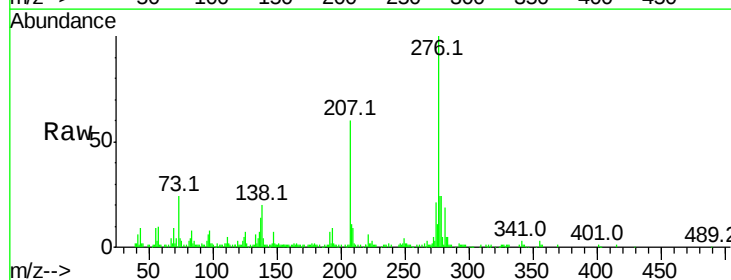
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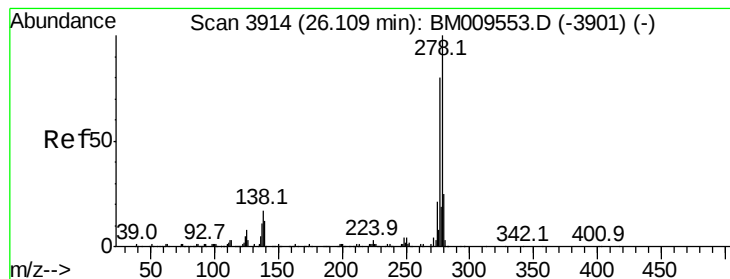
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	10.0	9.4	14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 3.68 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM009564.D
Acq: 05 Apr 2017 18:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	17.8	26.6
277	23.6	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.17 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. -0.02 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

Instrument :

BNA_M

ClientSampleId :

CB339

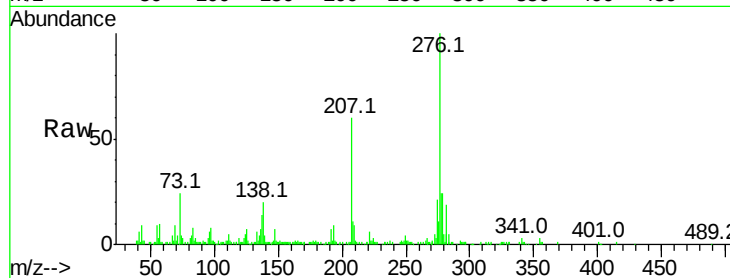
Tot Ion:278 Resp: 61342

Ion Ratio Lower Upper

278 100

139 16.9 14.0 21.0

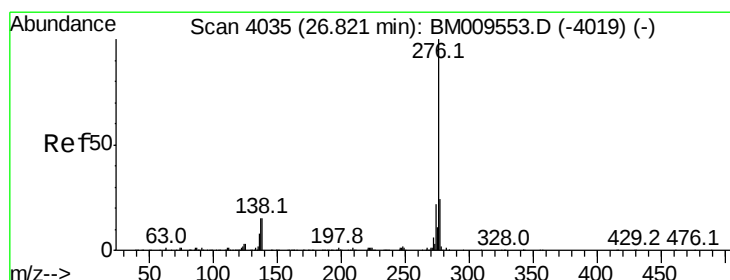
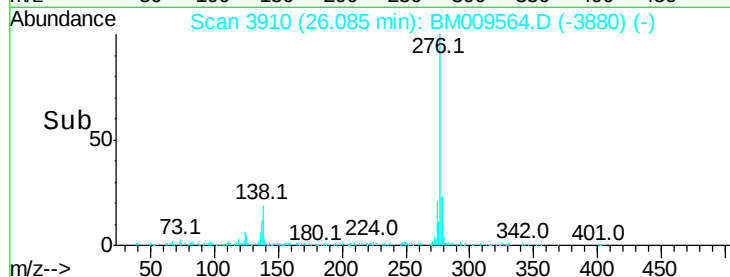
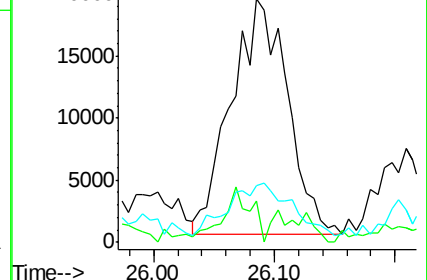
279 23.3 20.6 31.0



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: 3.97 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM009564.D

Acq: 05 Apr 2017 18:58

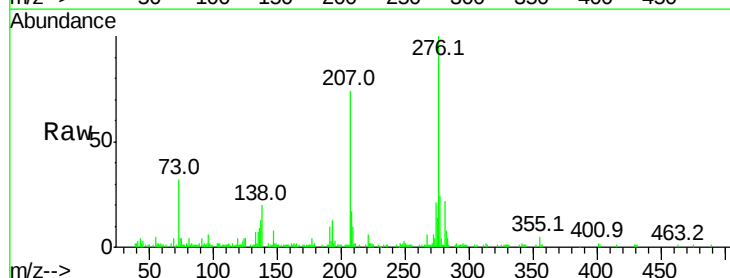
Tgt Ion:276 Resp: 202732

Ion Ratio Lower Upper

276 100

138 20.1 19.0 28.4

277 24.5 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

