

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009572.D
 Acq On : 05 Apr 2017 23:45
 Operator : SJ/MA
 Sample : I2524-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB323

Quant Time: Apr 06 03:49:28 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

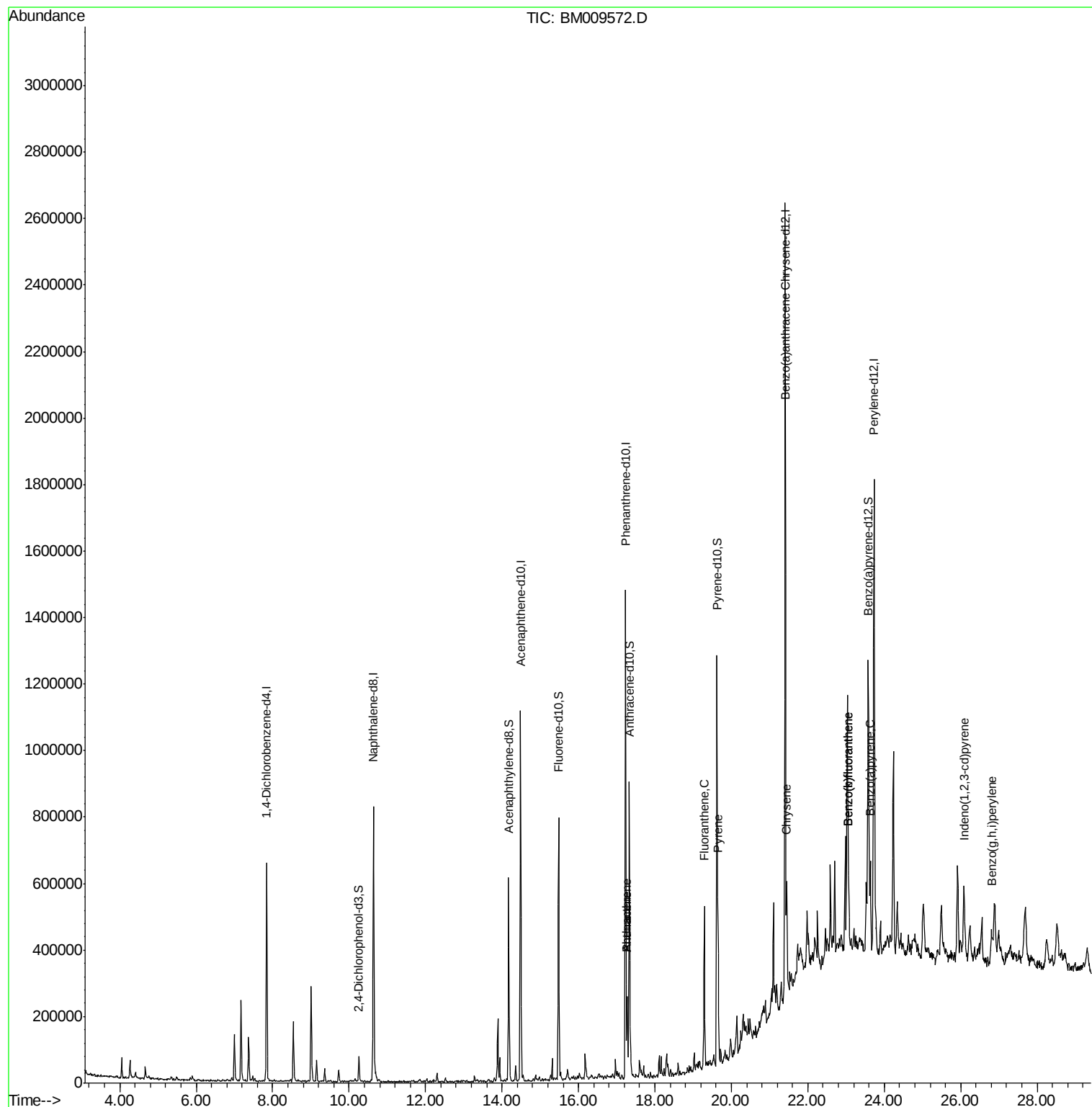
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	153758	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	593504	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	336264	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	785700	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	1075232	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	1060910	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	27068	2.97	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	399614	12.13	ng/ul	0.00
10) Fluorene-d10	15.48	176	297201	12.54	ng/ul	0.00
15) Anthracene-d10	17.33	188	467726	12.44	ng/ul	0.00
19) Pyrene-d10	19.63	212	576728	13.05	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	588051	12.55	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.27	178	142236	3.22	ng/ul	95
16) Anthracene	17.27	178	142236	3.11	ng/ul	95
17) Fluoranthene	19.29	202	275252	5.00	ng/ul	96
20) Pyrene	19.65	202	287540	4.91	ng/ul	95
21) Benzo(a)anthracene	21.40	228	191248	3.15	ng/ul	99
22) Chrysene	21.45	228	192527	3.46	ng/ul	99
24) Benzo(b)fluoranthene	23.07	252	104754	1.60	ng/ul	99
25) Benzo(k)fluoranthene	23.07	252	104342	1.67	ng/ul	98
27) Benzo(a)pyrene	23.63	252	184953	2.96	ng/ul	100
28) Indeno(1,2,3-cd)pyrene	26.09	276	138973	1.99	ng/ul	96
30) Benzo(g,h,i)perylene	26.82	276	124000	2.15	ng/ul#	87

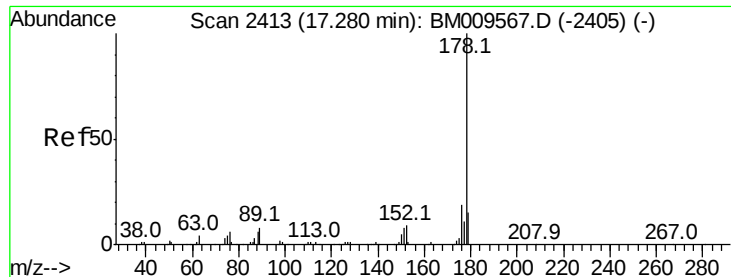
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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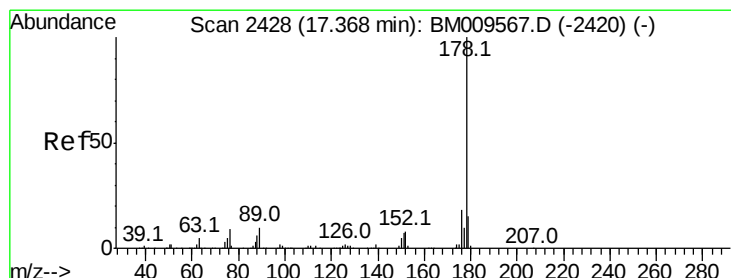
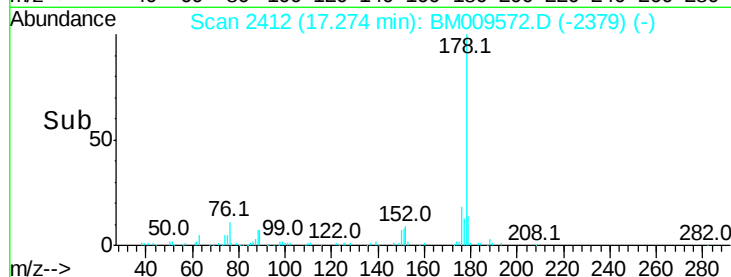
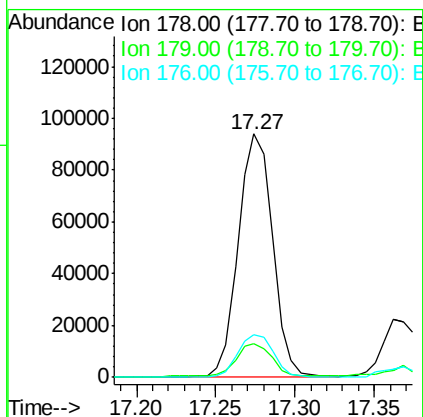
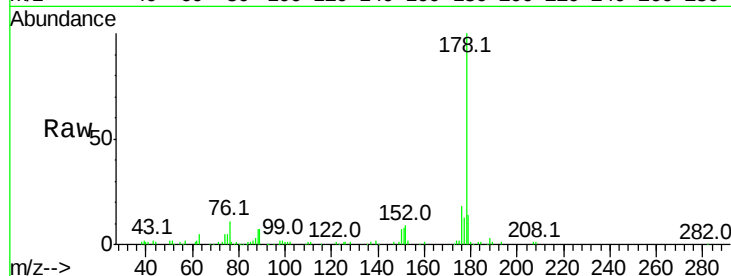




#14
Phenanthrene
Concen: 3.22 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009572.D
Acq: 05 Apr 2017 23:45

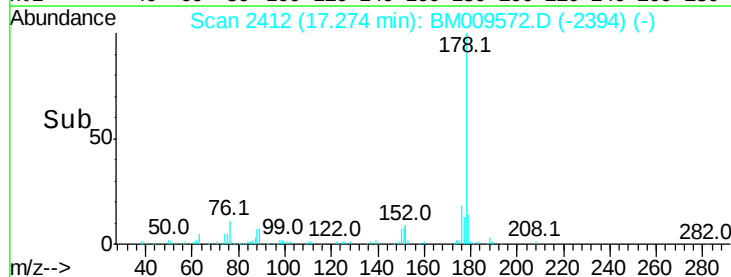
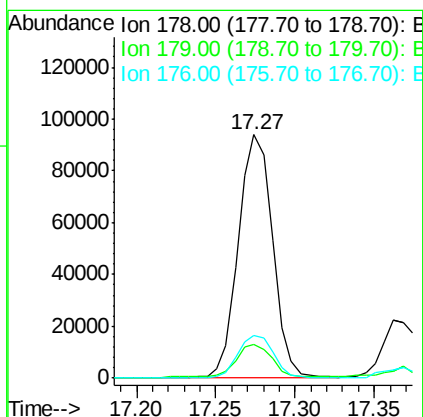
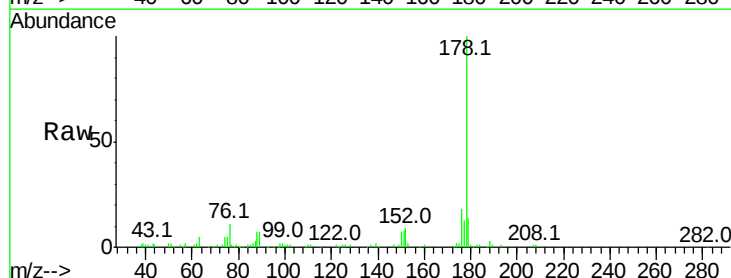
Instrument :
BNA_M
ClientSampleId :
CB323

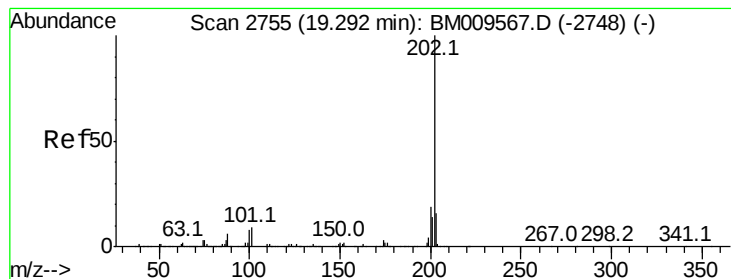
Tot Ion:178 Resp: 142236
Ion Ratio Lower Upper
178 100
179 14.1 12.2 18.4
176 17.5 16.4 24.6



#16
Anthracene
Concen: 3.11 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.09 min
Lab File: BM009572.D
Acq: 05 Apr 2017 23:45

Tgt Ion:178 Resp: 142236
Ion Ratio Lower Upper
178 100
179 14.1 12.7 19.1
176 17.5 15.8 23.8





#17

Fluoranthene

Concen: 5.00 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

Instrument :

BNA_M

ClientSampleId :

CB323

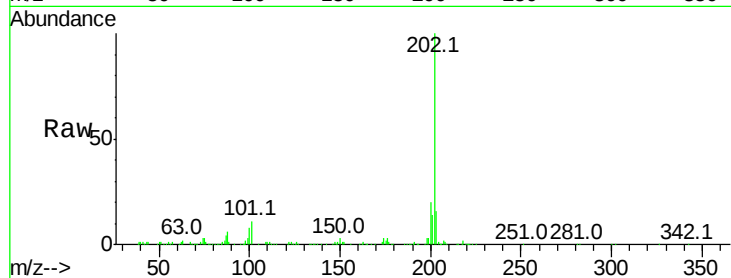
Tot Ion:202 Resp: 275252

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

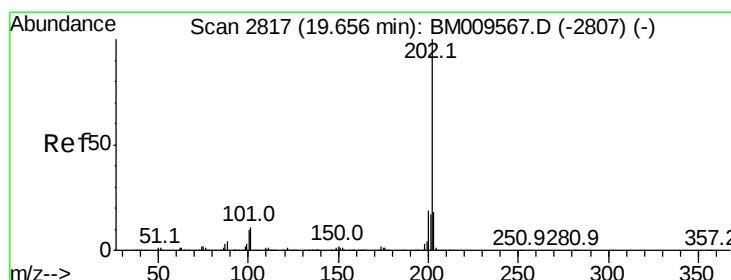
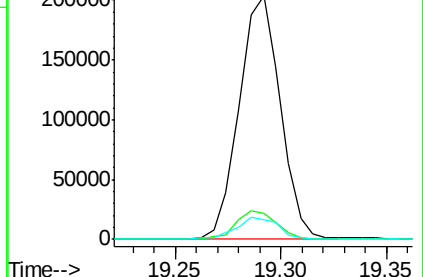
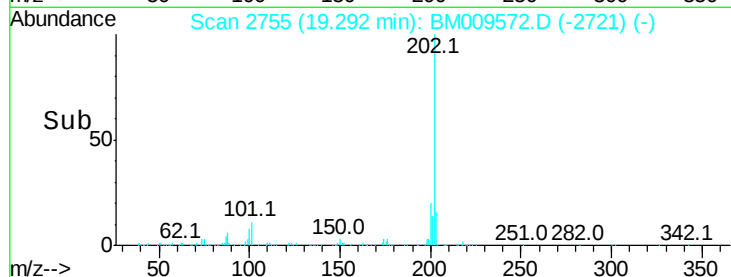
100 7.9 7.5 11.3



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: 4.91 ng/ul

RT: 19.65 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

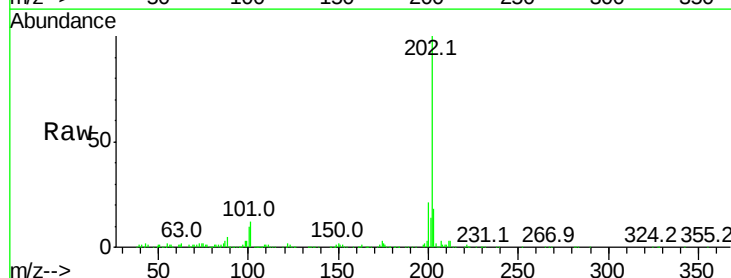
Tgt Ion:202 Resp: 287540

Ion Ratio Lower Upper

202 100

101 11.6 11.2 16.8

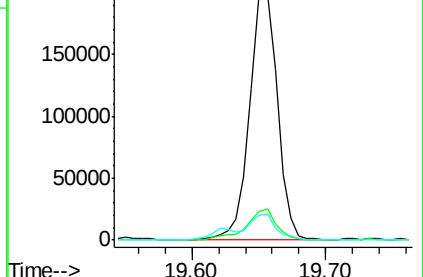
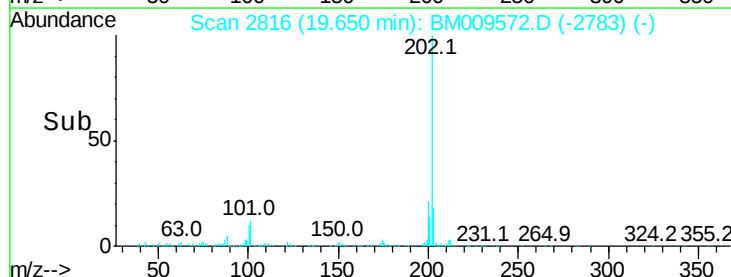
100 10.3 9.8 14.6

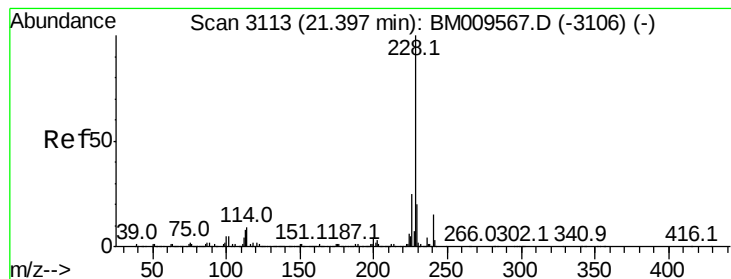


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 3.15 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

Instrument :

BNA_M

ClientSampleId :

CB323

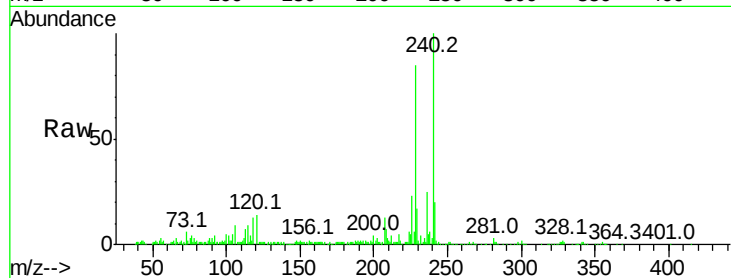
Tot Ion:228 Resp: 191248

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	27.1	22.1	33.1

228 100

229 19.8 15.9 23.9

226 27.1 22.1 33.1

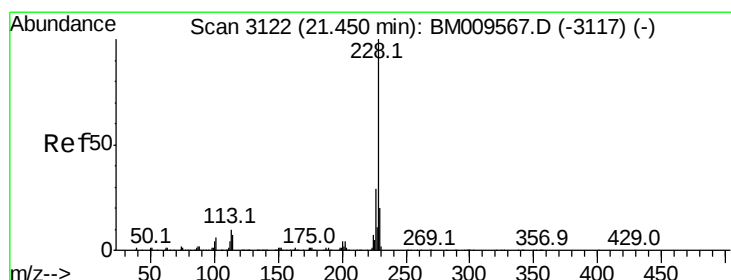
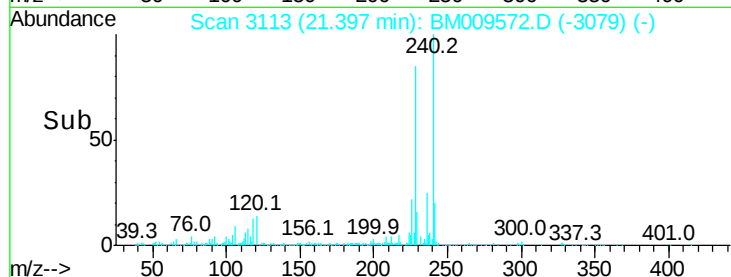
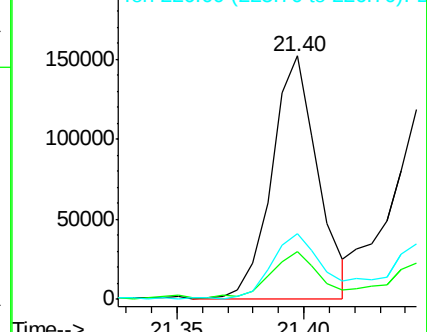


Abundance

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: 3.46 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

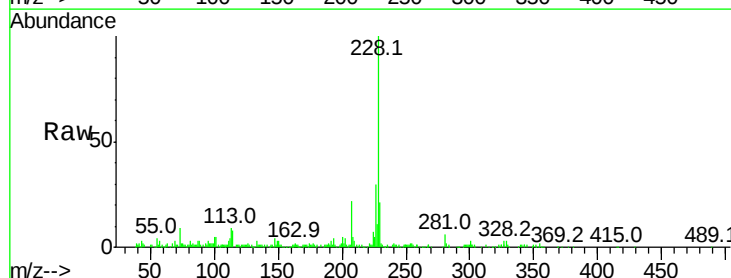
Tgt Ion:228 Resp: 192527

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	20.5	16.6	25.0

228 100

226 30.2 25.0 37.6

229 20.5 16.6 25.0

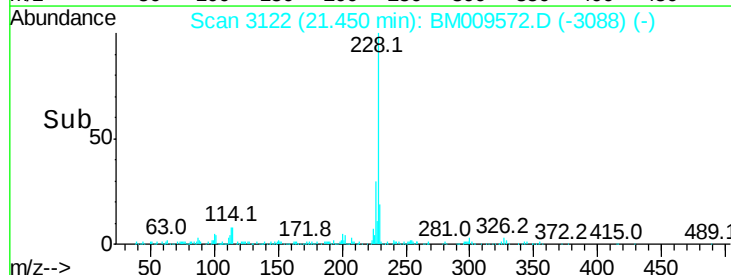
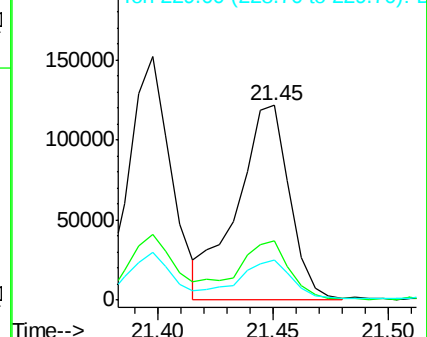


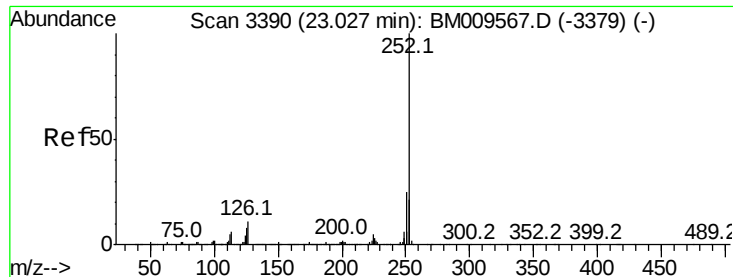
Abundance

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: 1.60 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. 0.04 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

Instrument :

BNA_M

ClientSampleId :

CB323

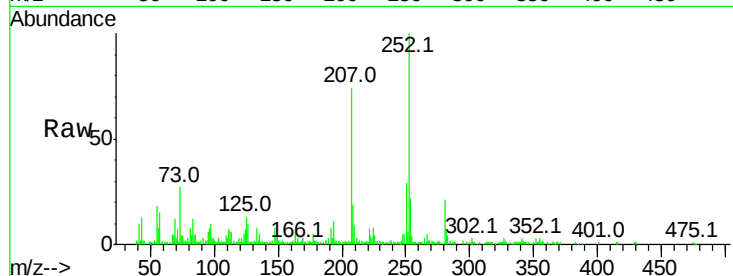
Tot Ion:252 Resp: 104754

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

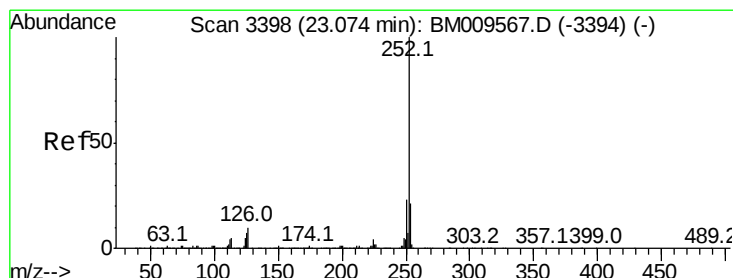
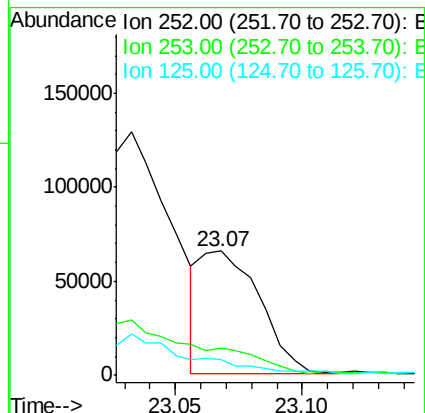
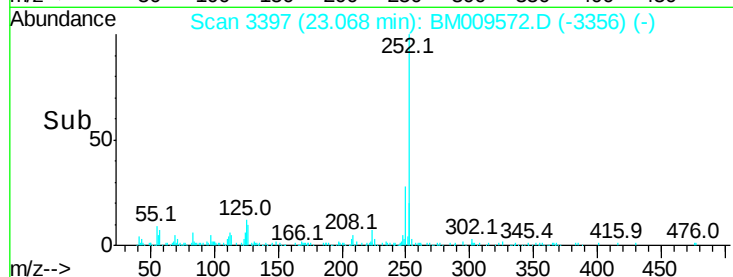
125 12.5 9.4 14.0



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: 1.67 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. -0.01 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

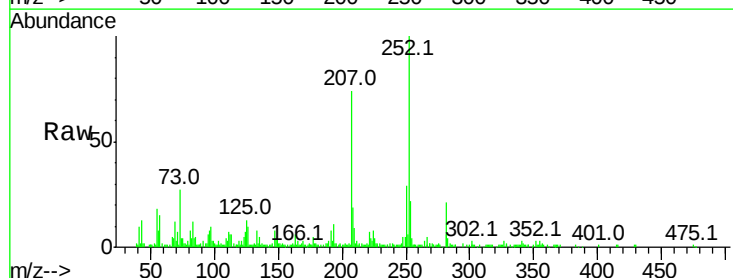
Tgt Ion:252 Resp: 104342

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

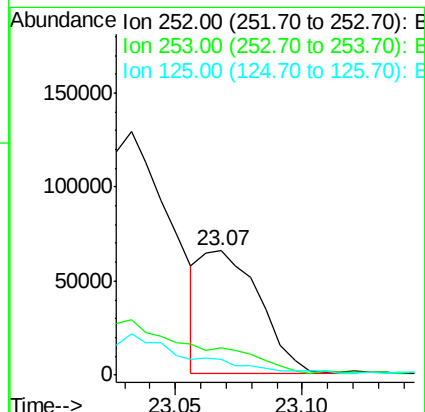
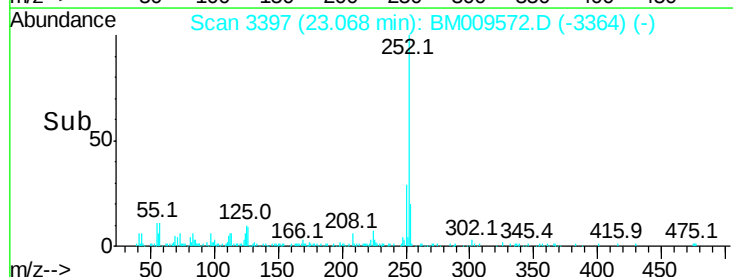
125 12.5 8.8 13.2

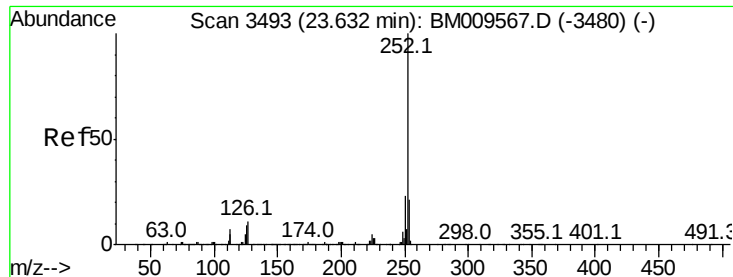


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 2.96 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

Instrument :

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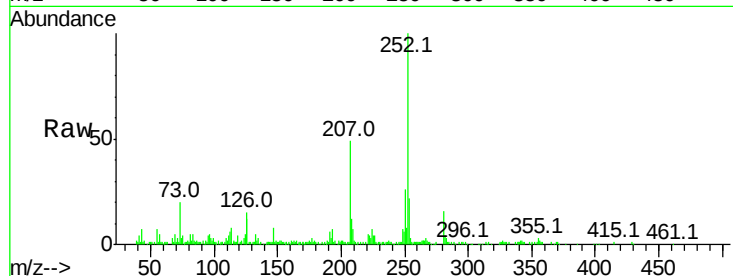
Tot Ion:252 Resp: 184953

Ion Ratio Lower Upper

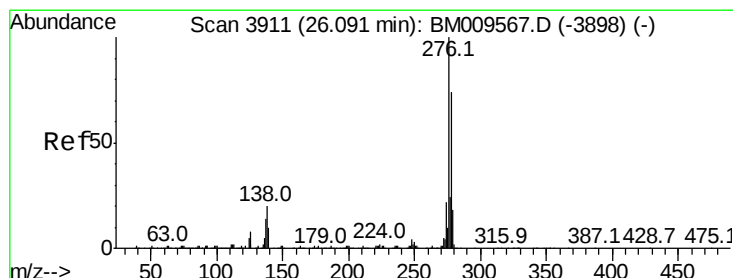
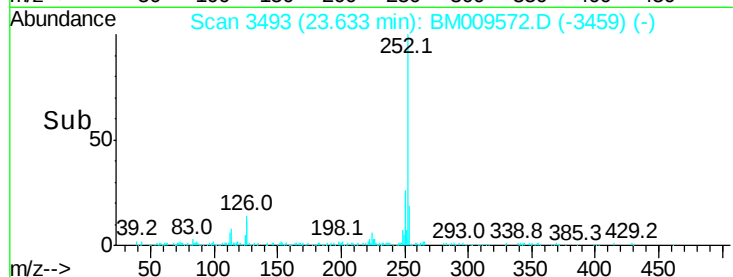
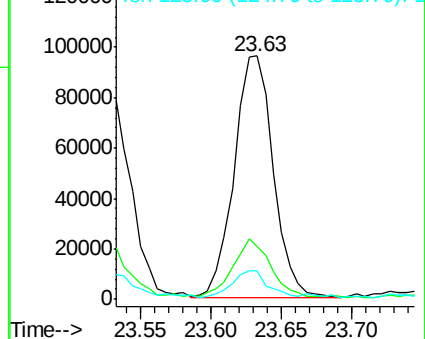
252 100

253 21.5 17.1 25.7

125 11.8 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: 1.99 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

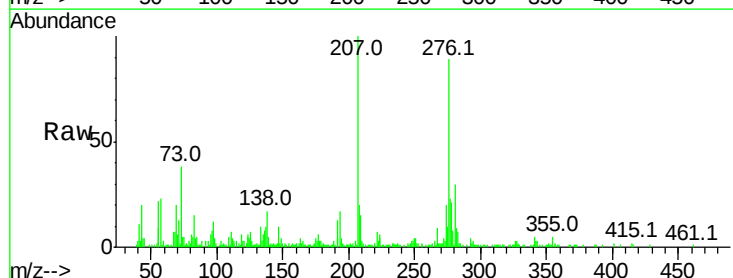
Tgt Ion:276 Resp: 138973

Ion Ratio Lower Upper

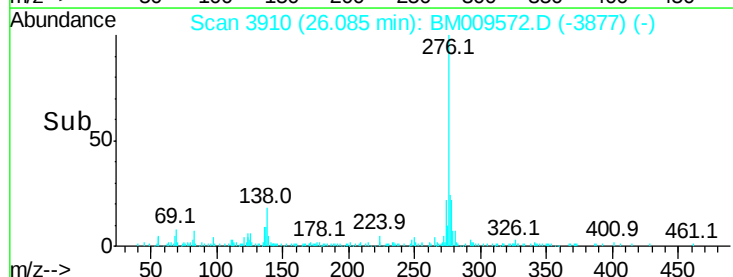
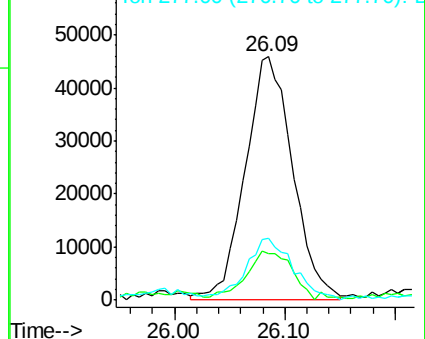
276 100

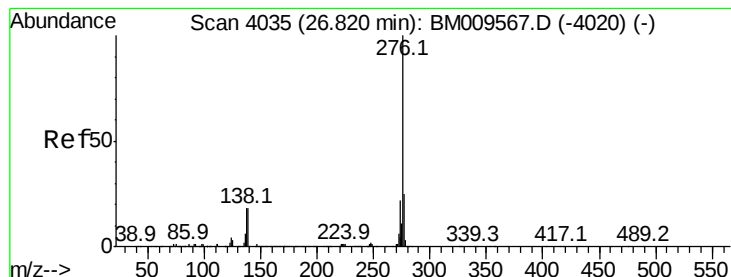
138 19.3 17.8 26.6

277 25.3 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





#30

Benzo(a,h,i)perylene

Concen: 2.15 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. 0.00 min

Lab File: BM009572.D

Acq: 05 Apr 2017 23:45

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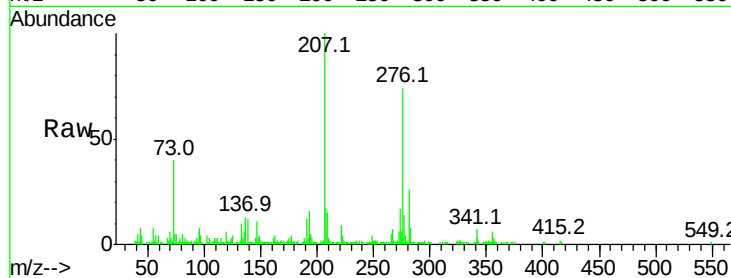
Tot Ion:276 Resp: 124000

Ion Ratio Lower Upper

276 100

138 15.9 19.0 28.4#

277 19.2 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

