

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009574.D
 Acq On : 06 Apr 2017 00:57
 Operator : SJ/MA
 Sample : I2524-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB327

Quant Time: Apr 06 03:50:01 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

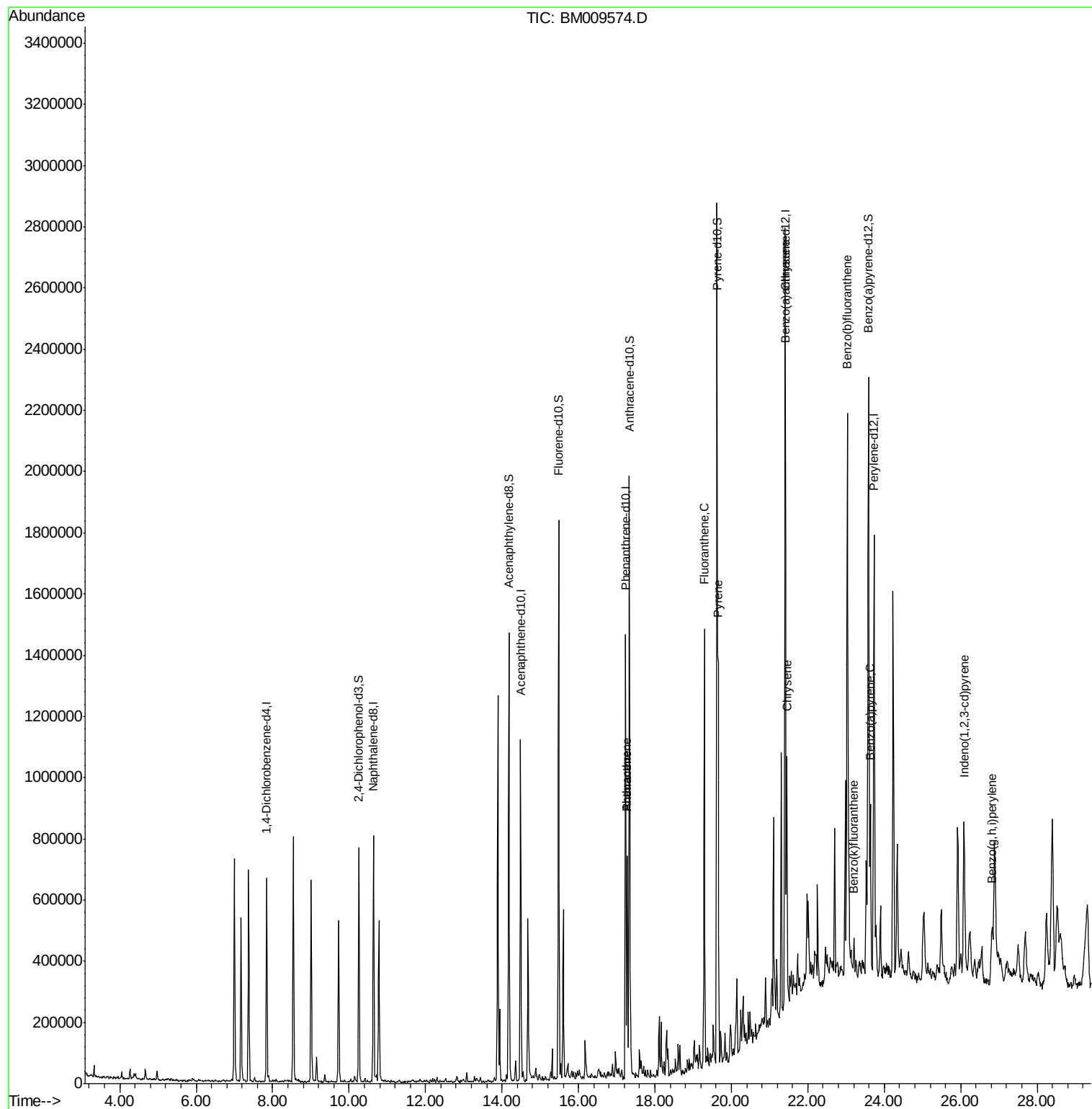
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	153071	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	588118	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	336965	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	781833	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1059948	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	1039009	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	237633	26.28	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	921525	27.90	ng/ul	0.00
10) Fluorene-d10	15.48	176	656989	27.66	ng/ul	0.00
15) Anthracene-d10	17.33	188	1029904	27.53	ng/ul	0.00
19) Pyrene-d10	19.63	212	1285031	29.50	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1368275	29.83	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.27	178	387098	8.81	ng/ul	98
16) Anthracene	17.27	178	387098	8.52	ng/ul	99
17) Fluoranthene	19.29	202	792519	14.48	ng/ul	96
20) Pyrene	19.66	202	715420	12.40	ng/ul	96
21) Benzo(a)anthracene	21.40	228	451854	7.54	ng/ul	99
22) Chrysene	21.45	228	439336	8.00	ng/ul	98
24) Benzo(b)fluoranthene	23.03	252	585390	9.11	ng/ul#	94
25) Benzo(k)fluoranthene	23.21	252	82897	1.35	ng/ul	97
27) Benzo(a)pyrene	23.63	252	380288	6.22	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.09	276	269018	3.93	ng/ul#	94
30) Benzo(g,h,i)perylene	26.81	276	232950	4.12	ng/ul#	88

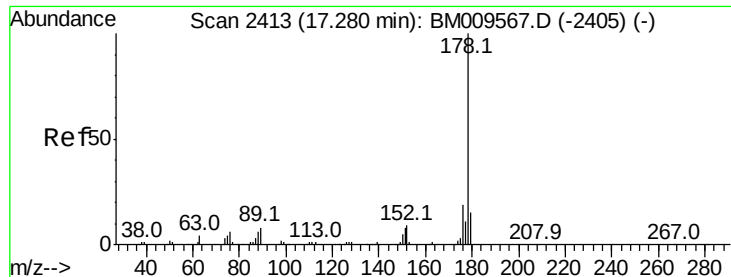
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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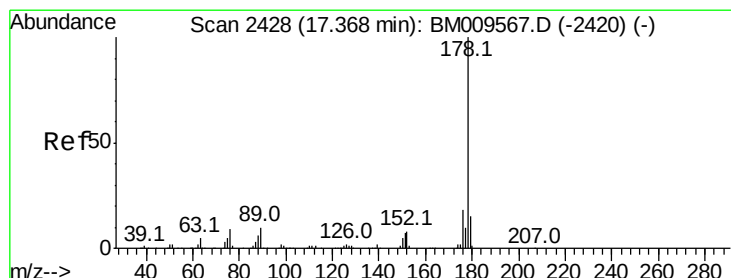
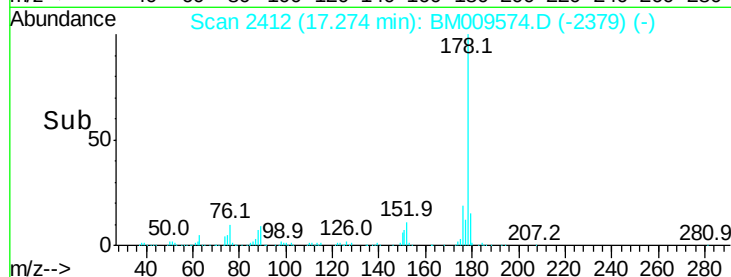
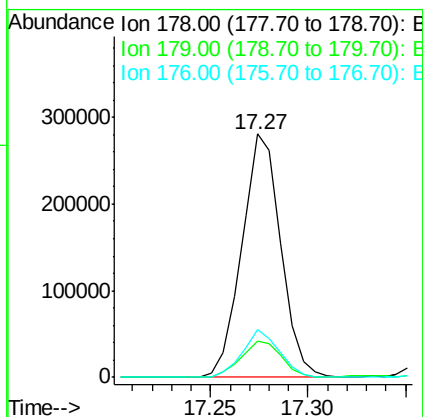
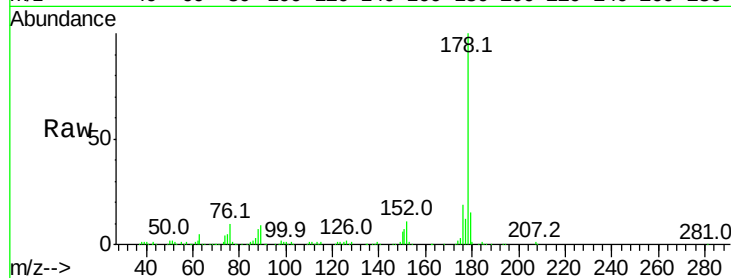




#14
Phenanthrene
Concen: 8.81 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

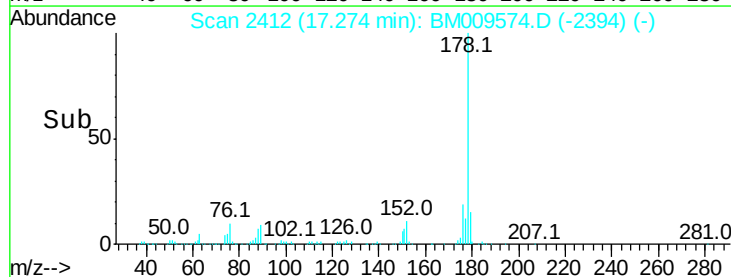
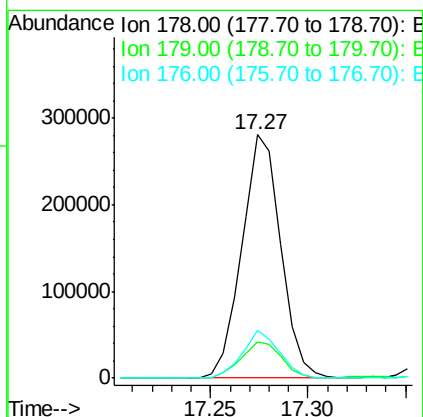
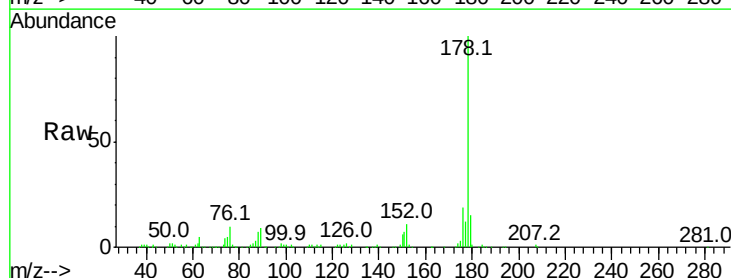
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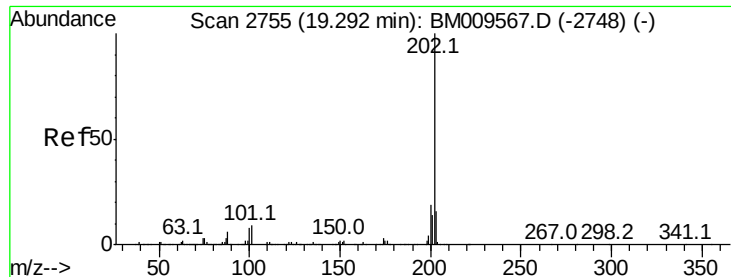
Tot Ion:178 Resp: 387098
Ion Ratio Lower Upper
178 100
179 15.0 12.2 18.4
176 19.4 16.4 24.6



#16
Anthracene
Concen: 8.52 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.09 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Tgt Ion:178 Resp: 387098
Ion Ratio Lower Upper
178 100
179 15.0 12.7 19.1
176 19.4 15.8 23.8

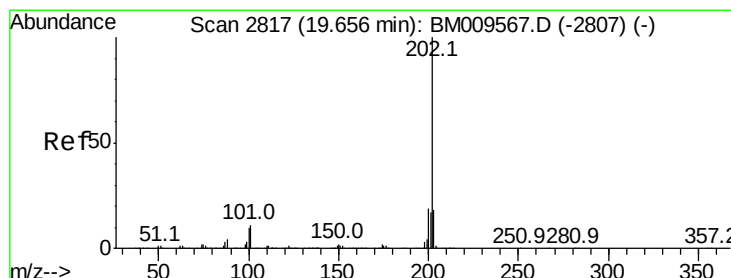
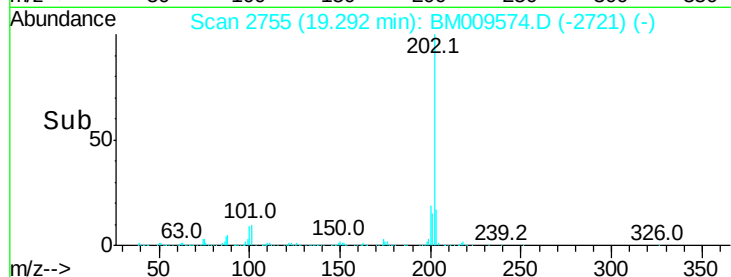
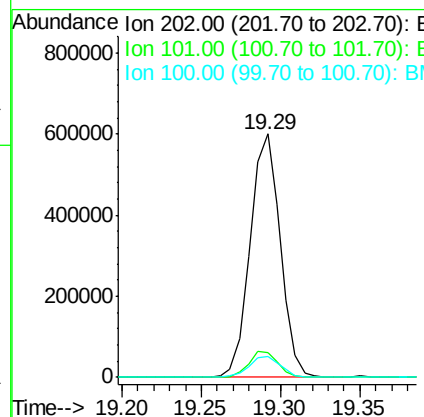
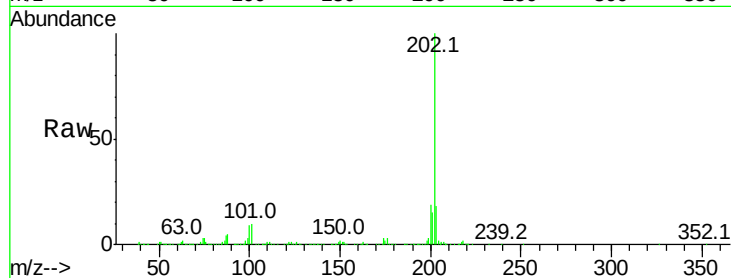




#17
 Fluoranthene
 Concen: 14.48 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009574.D
 Acq: 06 Apr 2017 00:57

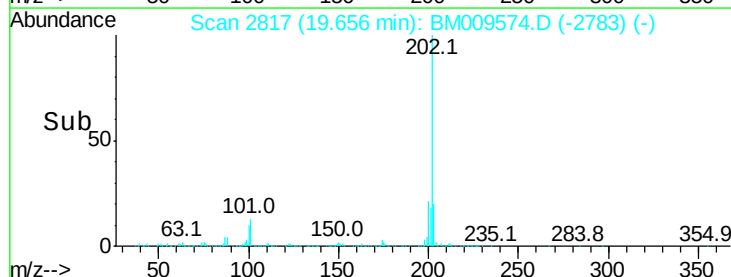
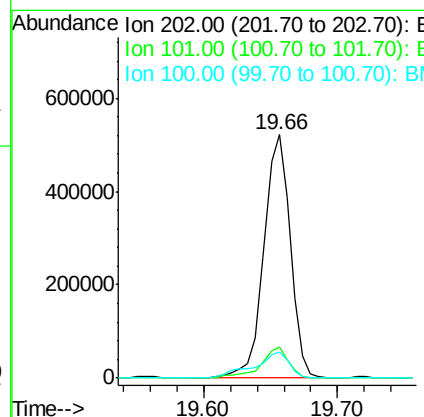
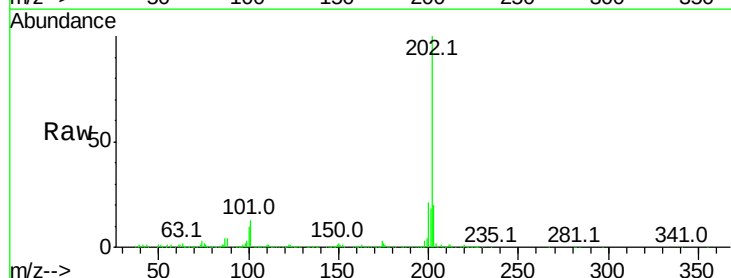
Instrument :
 BNA_M
 ClientSampleId :
 CB327

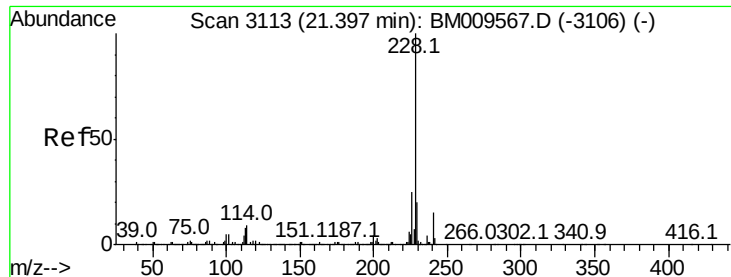
Tot Ion:	202	Resp:	792519
Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.8	7.5	11.3



#20
 Pyrene
 Concen: 12.40 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009574.D
 Acq: 06 Apr 2017 00:57

Tgt Ion:	202	Resp:	715420
Ion	Ratio	Lower	Upper
202	100		
101	12.8	11.2	16.8
100	10.5	9.8	14.6





#21

Benzo(a)anthracene

Concen: 7.54 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

Instrument :

BNA_M

ClientSampled :

CB327

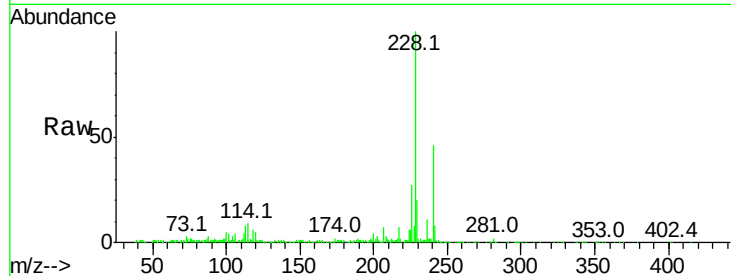
Tot Ion:228 Resp: 451854

Ion Ratio Lower Upper

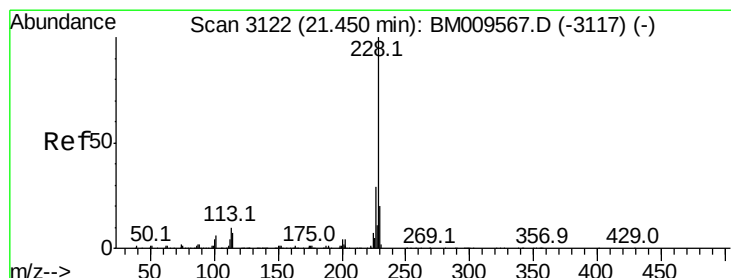
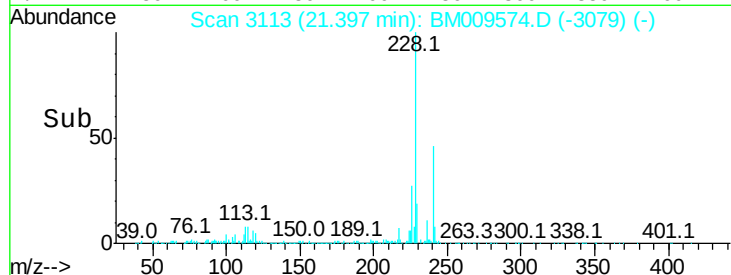
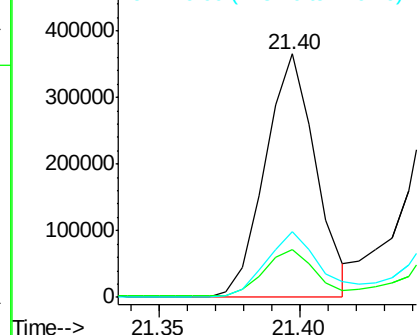
228 100

229 19.8 15.9 23.9

226 27.0 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: 8.00 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

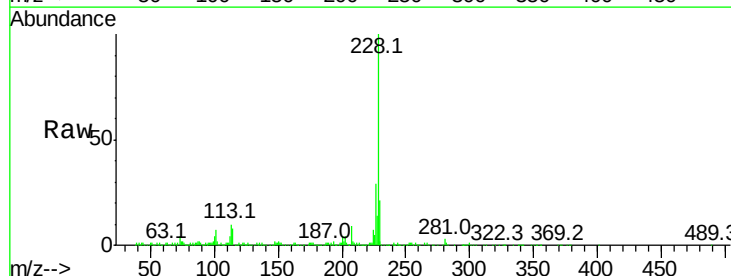
Tgt Ion:228 Resp: 439336

Ion Ratio Lower Upper

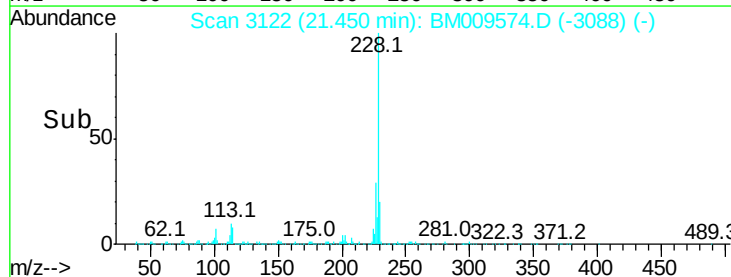
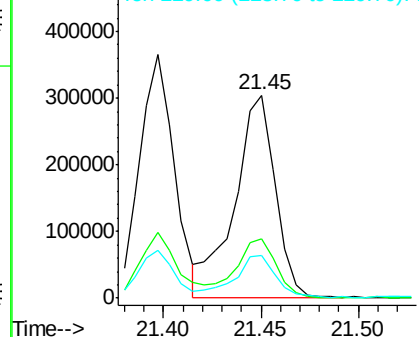
228 100

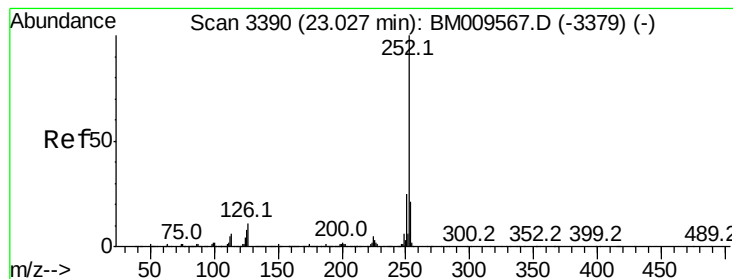
226 29.4 25.0 37.6

229 20.8 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: 9.11 ng/ul

RT: 23.03 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BM009574.D

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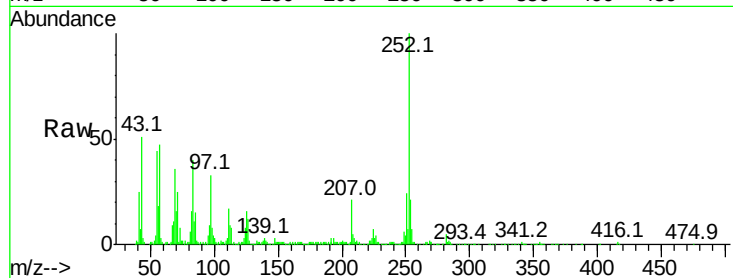
Tot Ion:252 Resp: 585390

Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.6

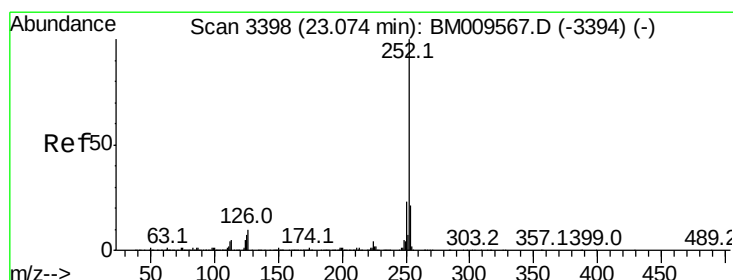
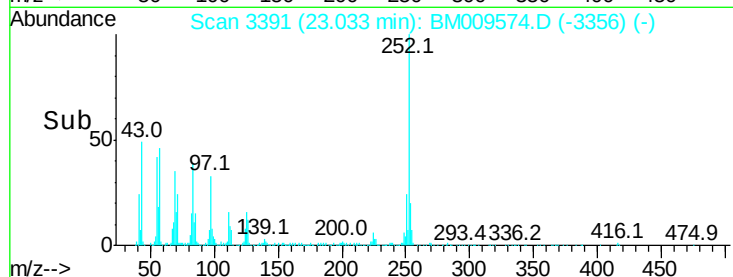
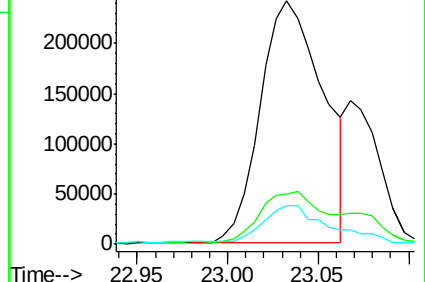
125 15.9 9.4 14.0#



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: 1.35 ng/ul

RT: 23.21 min Scan# 3421

Delta R.T. 0.14 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

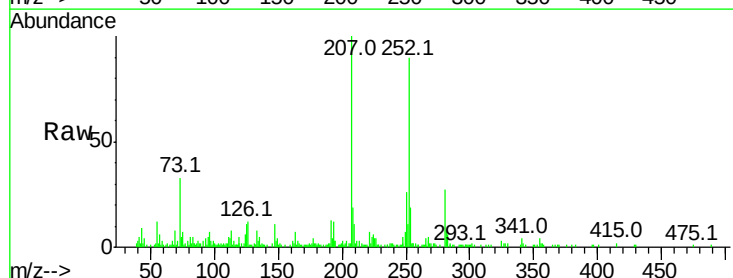
Tgt Ion:252 Resp: 82897

Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.2

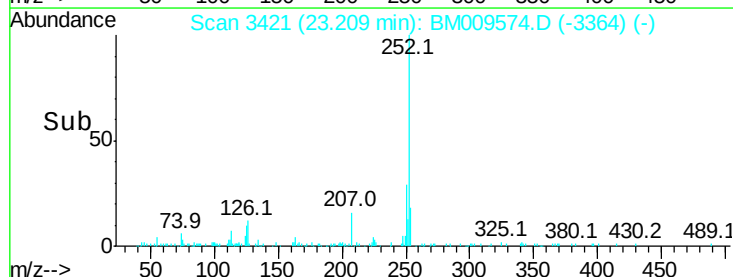
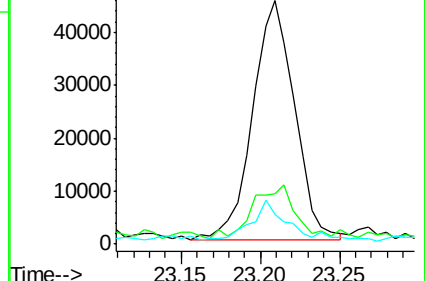
125 12.3 8.8 13.2

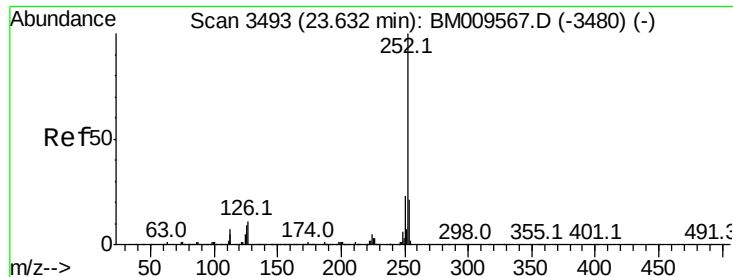


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 6.22 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

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ClientSampled :

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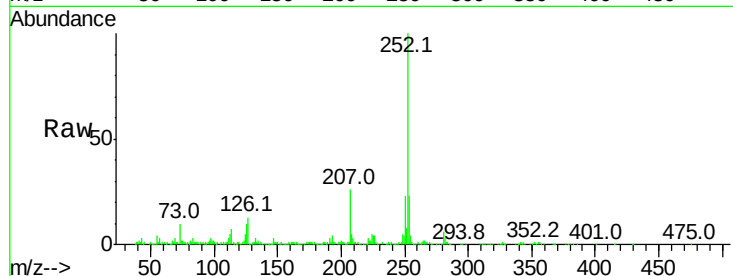
Tot Ion:252 Resp: 380288

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

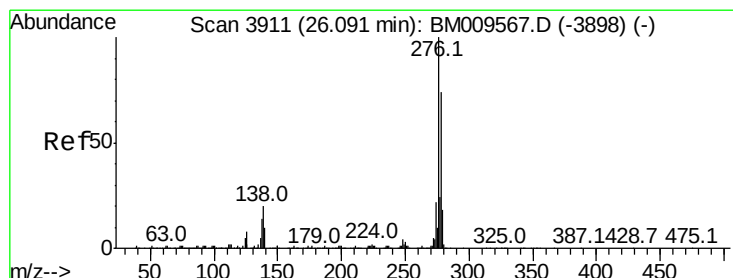
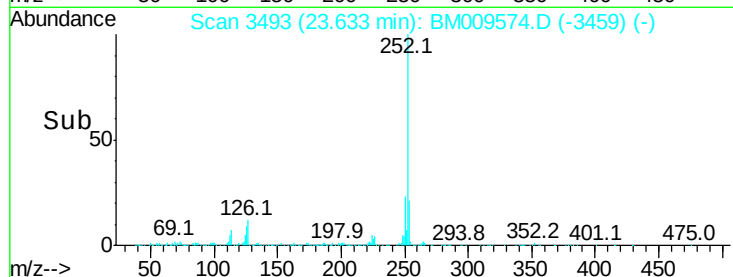
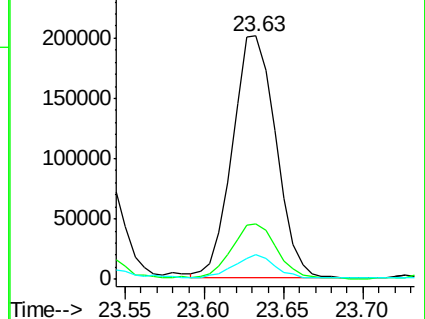
125 10.0 9.4 14.2



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: 3.93 ng/ul

RT: 26.09 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

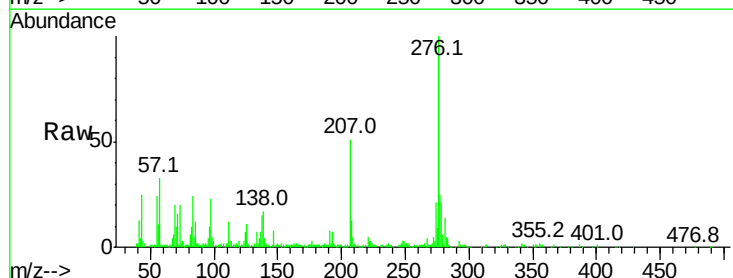
Tgt Ion:276 Resp: 269018

Ion Ratio Lower Upper

276 100

138 17.4 17.8 26.6#

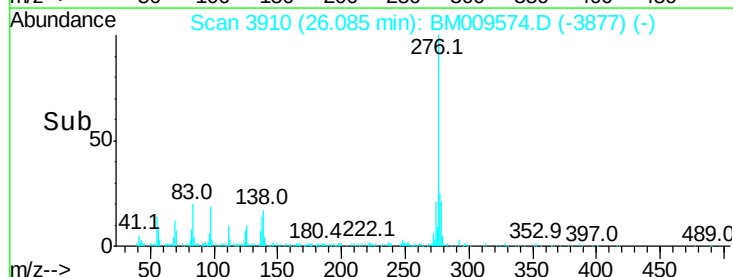
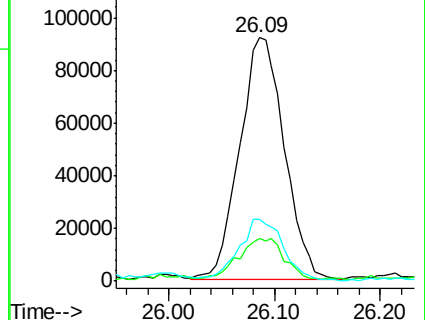
277 25.2 19.4 29.0

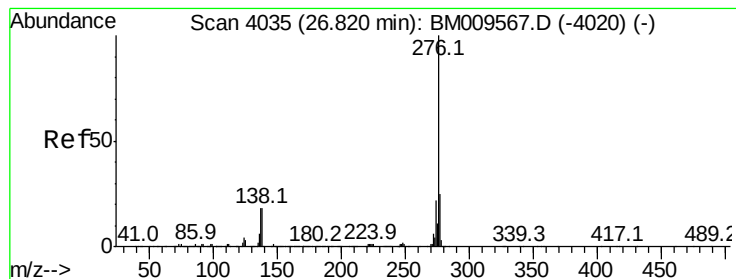


Abundance Ion 276.00 (275.70 to 276.70): E

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: 4.12 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM009574.D

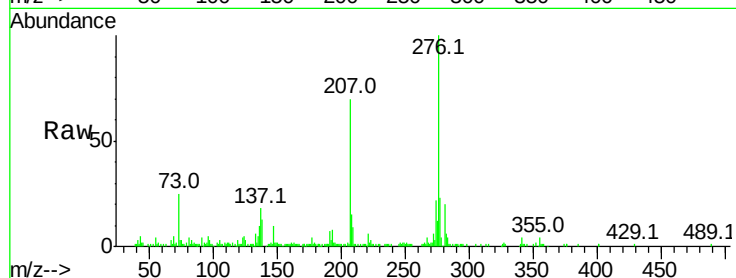
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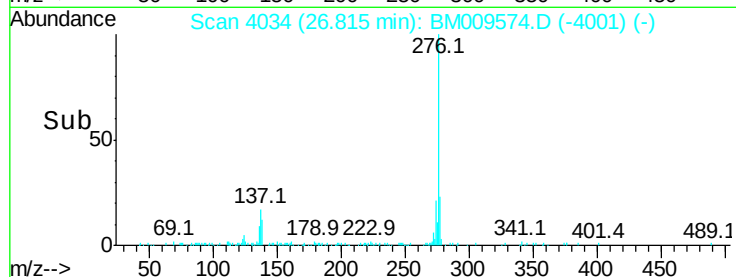
Tot Ion: 276 Resp: 232950

Ion Ratio Lower Upper

276 100

138 12.9 19.0 28.4#

277 23.5 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

