

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009279.D
 Acq On : 17 Mar 2017 18:13
 Operator : SJ/MA
 Sample : I2285-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB317

Quant Time: Mar 18 00:40:35 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

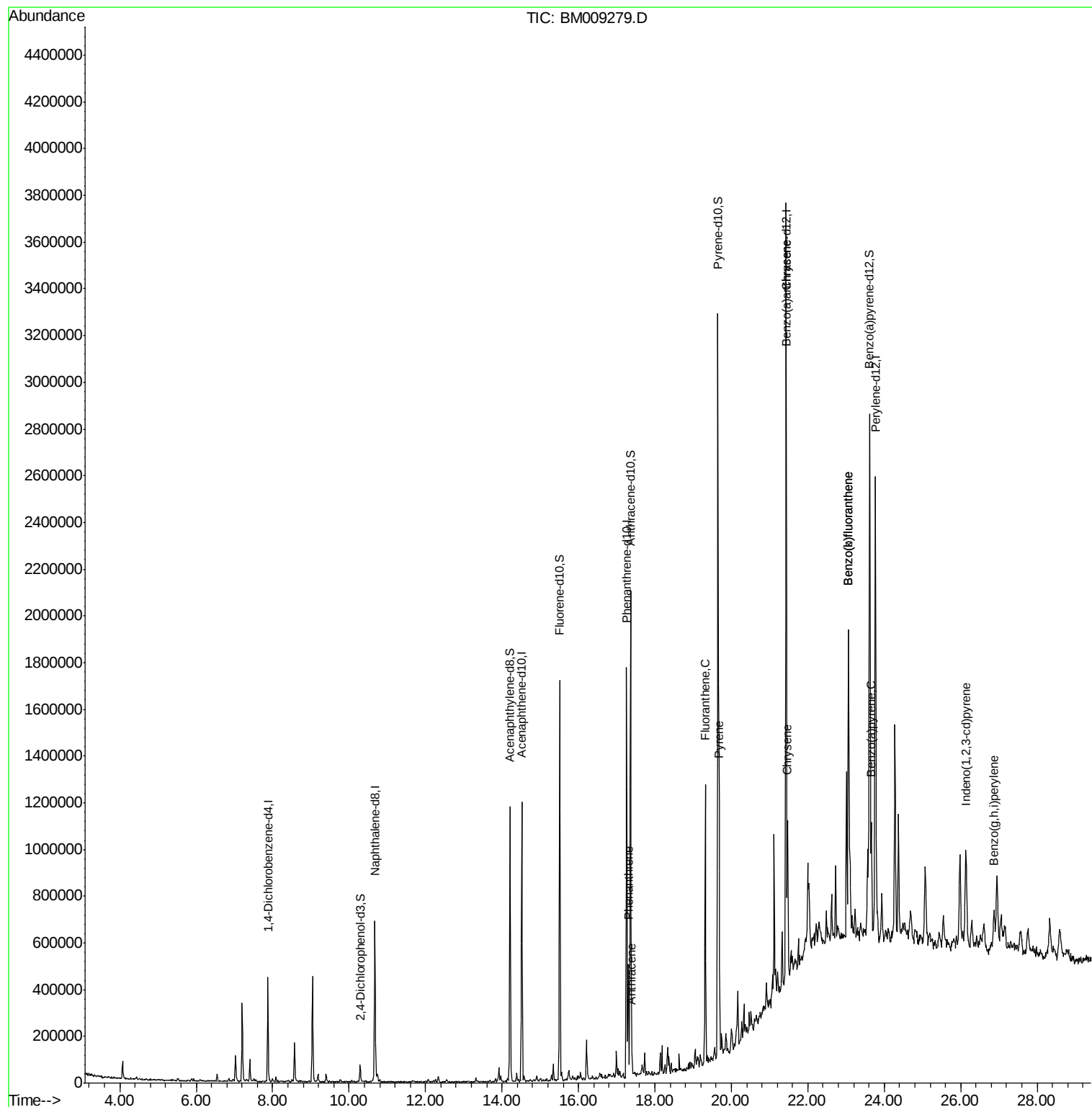
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	105796	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	496106	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	351330	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	940652	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1428621	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1475713	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	23118	2.87	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	747681	25.10	ng/ul	0.00
10) Fluorene-d10	15.51	176	634859	24.31	ng/ul	0.00
15) Anthracene-d10	17.36	188	1113638	24.92	ng/ul	0.00
19) Pyrene-d10	19.65	212	1455047	25.40	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1578026	23.52	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.30	178	256302	4.84	ng/ul	98
16) Anthracene	17.40	178	55678	1.01	ng/ul	96
17) Fluoranthene	19.32	202	649938	9.68	ng/ul	97
20) Pyrene	19.68	202	575123	7.80	ng/ul	94
21) Benzo(a)anthracene	21.42	228	392891	4.83	ng/ul	98
22) Chrysene	21.47	228	375208	4.89	ng/ul	94
24) Benzo(b)fluoranthene	23.06	252	590126	6.79	ng/ul	96
25) Benzo(k)fluoranthene	23.06	252	590126	7.20	ng/ul#	95
27) Benzo(a)pyrene	23.67	252	336611	4.03	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.13	276	240634	2.42	ng/ul	95
30) Benzo(g,h,i)perylene	26.87	276	210423	2.55	ng/ul#	89

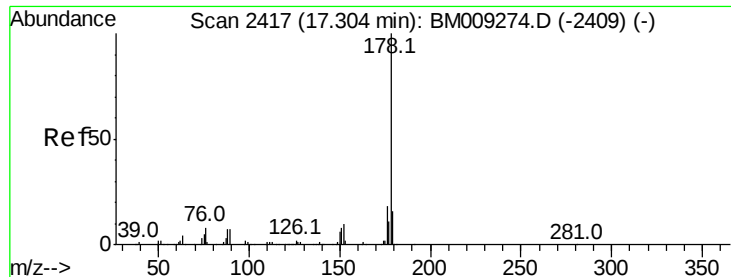
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 4.84 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

Instrument :

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ClientSampleId :

CB317

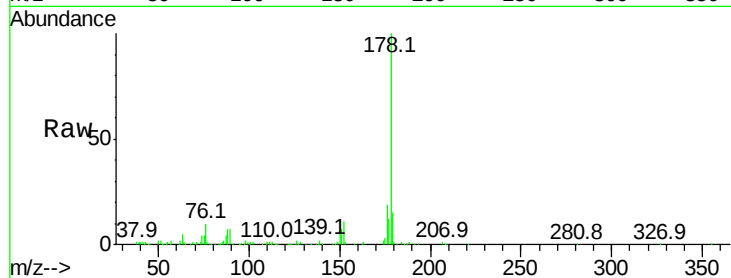
Tot Ion:178 Resp: 256302

Ion Ratio Lower Upper

178 100

179 14.7 12.2 18.4

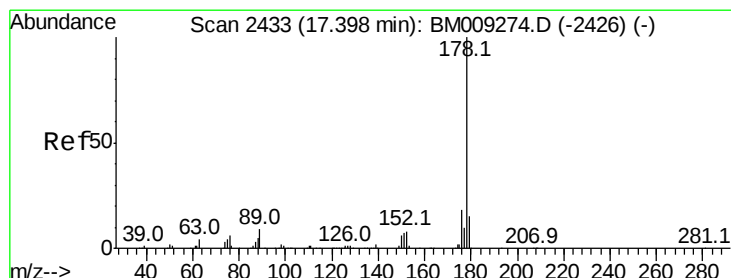
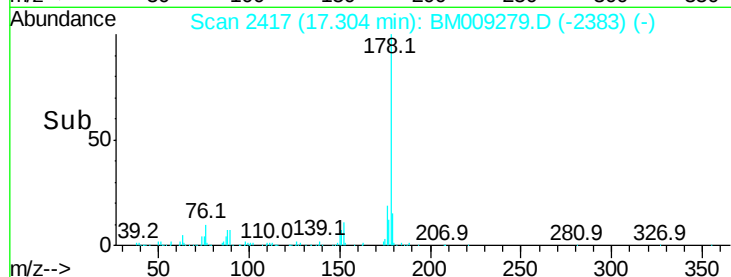
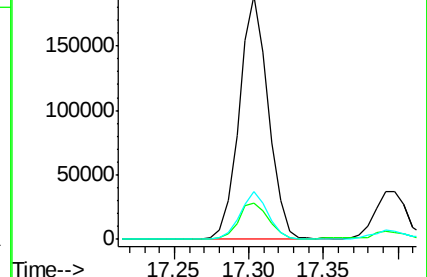
176 19.4 16.4 24.6



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: 1.01 ng/ul

RT: 17.40 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

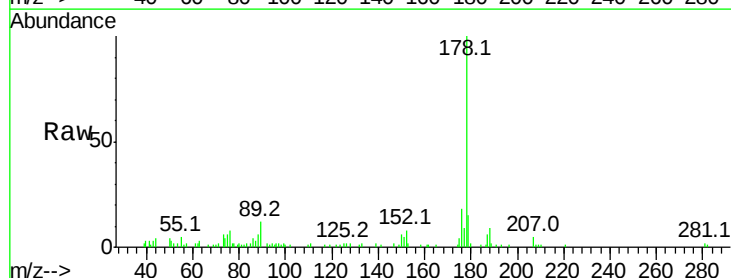
Tgt Ion:178 Resp: 55678

Ion Ratio Lower Upper

178 100

179 14.6 12.7 19.1

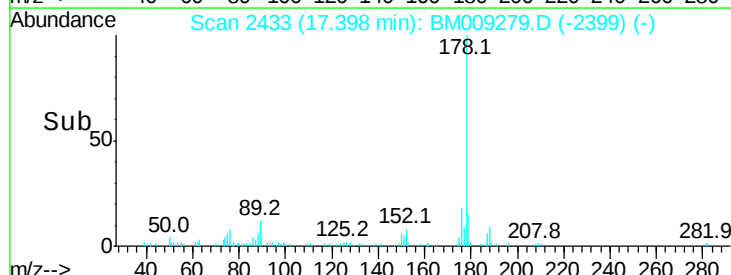
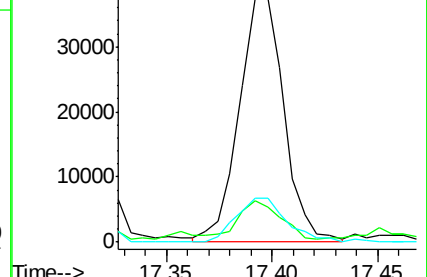
176 18.0 15.8 23.8

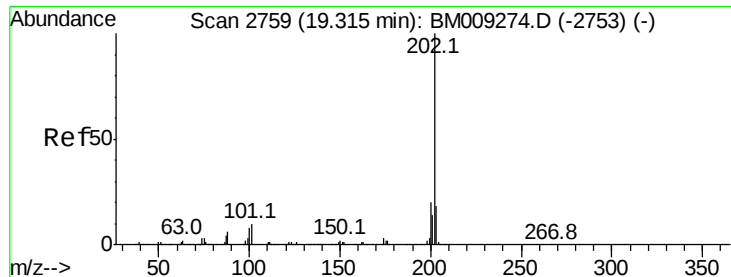


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

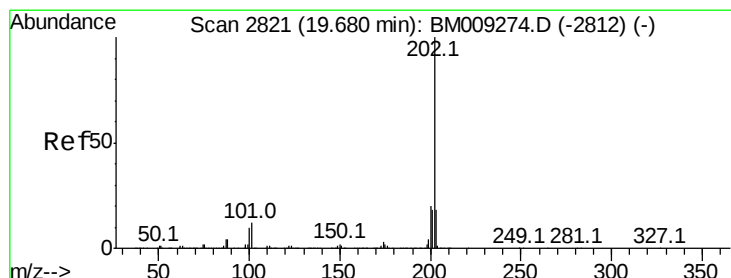
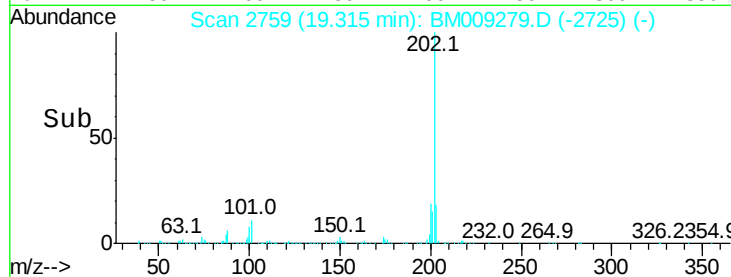
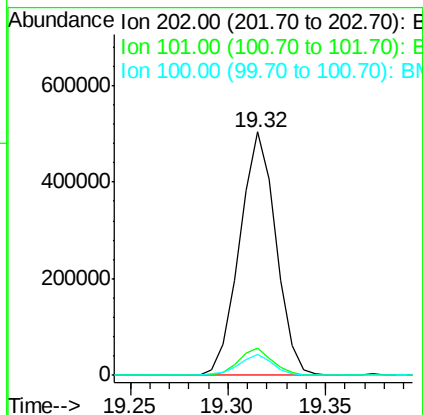
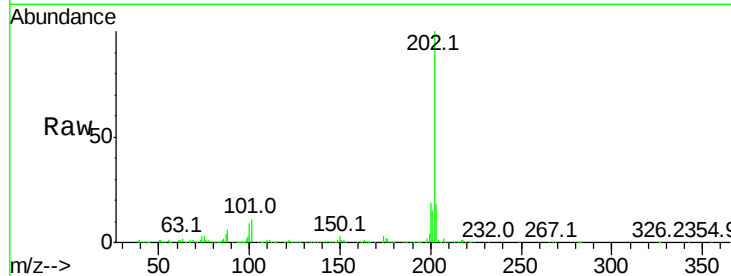




#17
Fluoranthene
 Concen: 9.68 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. -0.00 min
 Lab File: BM009279.D
 Acq: 17 Mar 2017 18:13

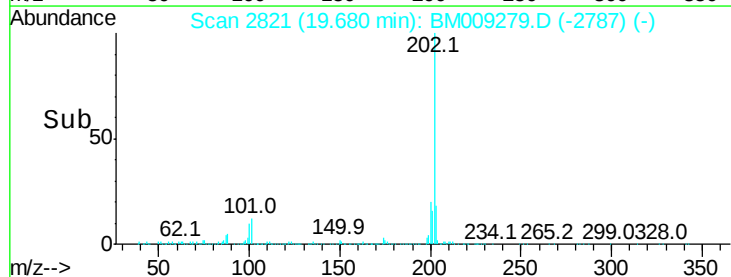
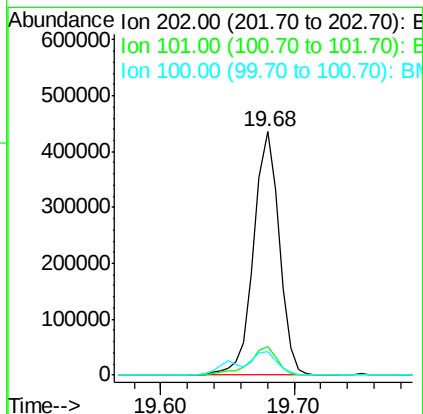
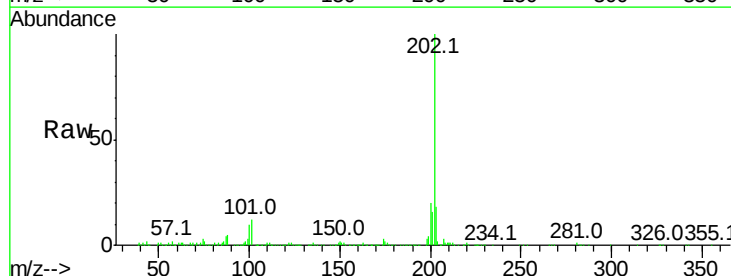
Instrument :
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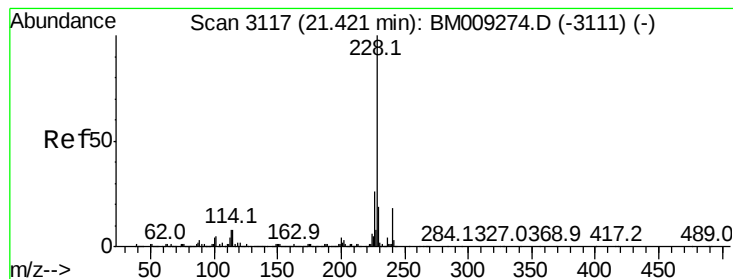
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
100	8.5	7.5	11.3



#20
Pyrene
 Concen: 7.80 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BM009279.D
 Acq: 17 Mar 2017 18:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	11.2	16.8
100	9.8	9.8	14.6





#21

Benzo(a)anthracene

Concen: 4.83 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

Instrument :

BNA_M

ClientSampleId :

CB317

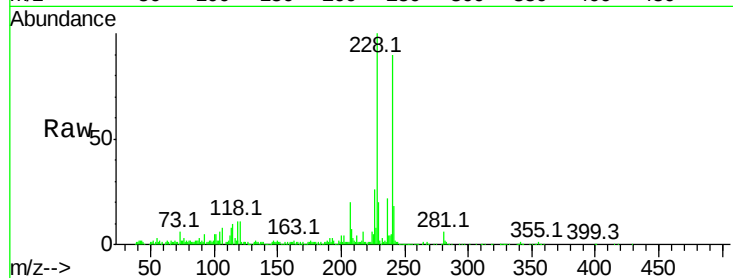
Tot Ion:228 Resp: 392891

Ion Ratio Lower Upper

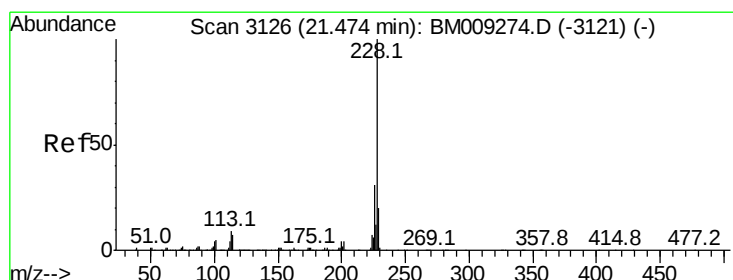
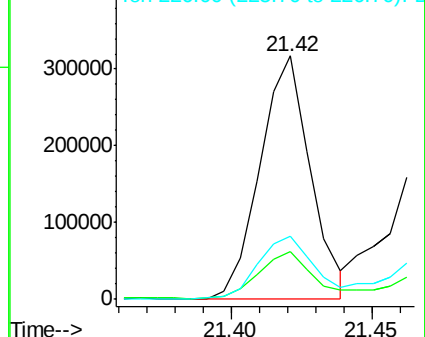
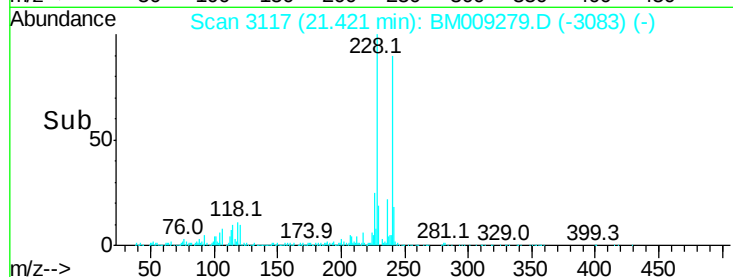
228 100

229 19.8 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: 4.89 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

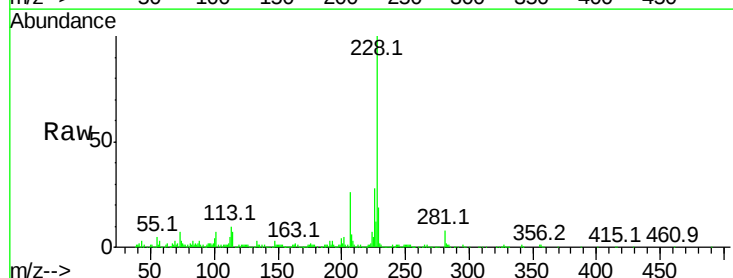
Tgt Ion:228 Resp: 375208

Ion Ratio Lower Upper

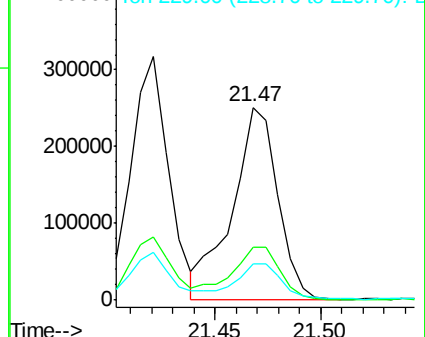
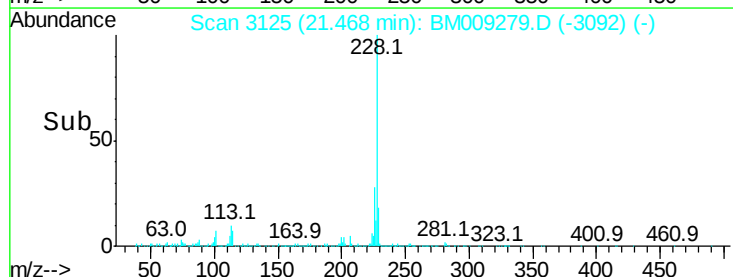
228 100

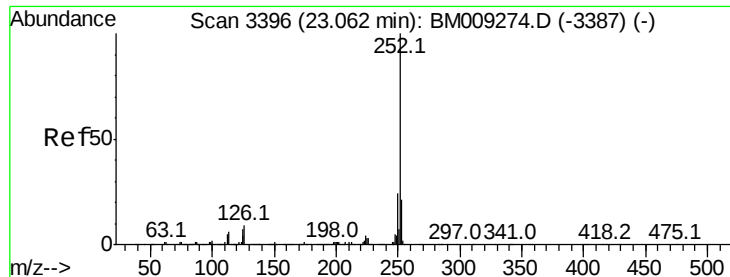
226 27.6 25.0 37.6

229 18.5 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: 6.79 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

Instrument :

BNA_M

ClientSampleId :

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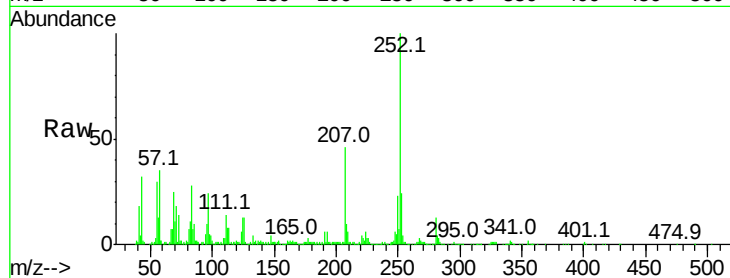
Tot Ion:252 Resp: 590126

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

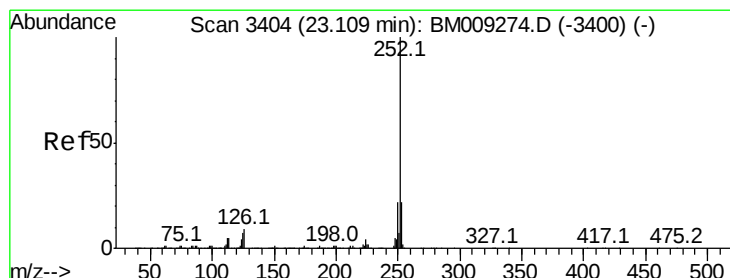
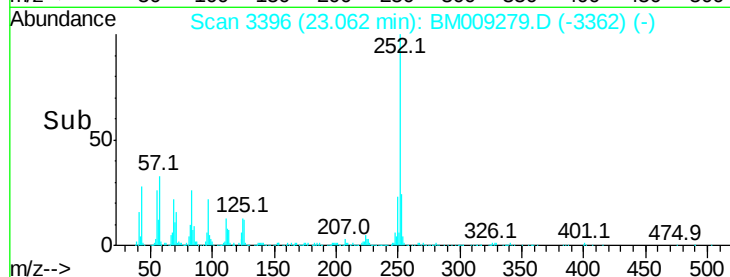
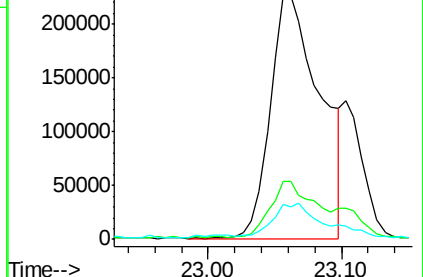
125 13.5 9.4 14.0



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: 7.20 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

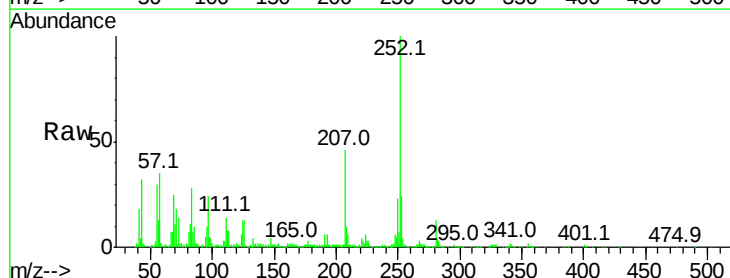
Tgt Ion:252 Resp: 590126

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

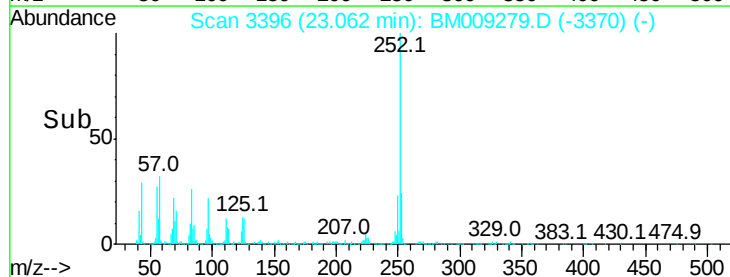
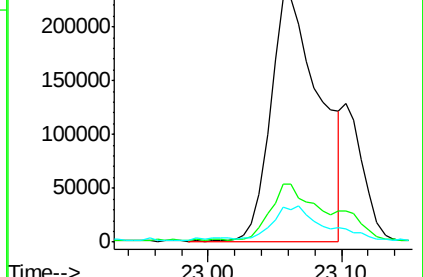
125 13.5 8.8 13.2#

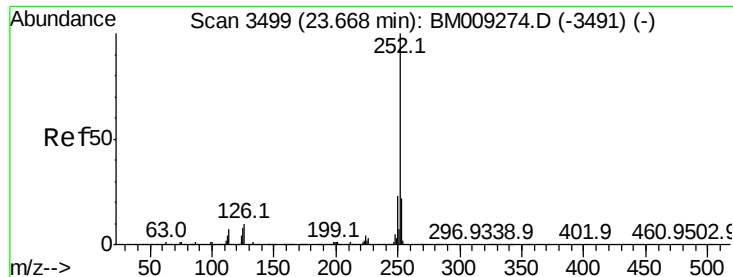


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 4.03 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. -0.00 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

Instrument :

BNA_M

ClientSampleId :

CB317

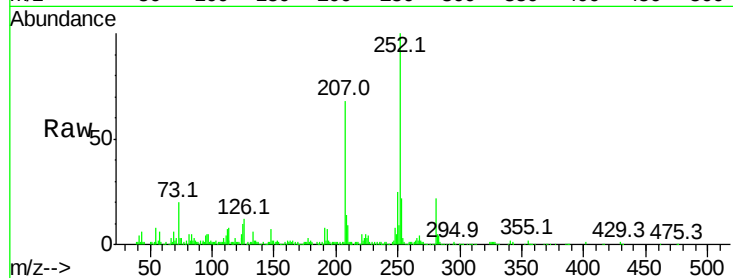
Tot Ion:252 Resp: 336611

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.2	9.4	14.2

252 100

253 22.1 17.1 25.7

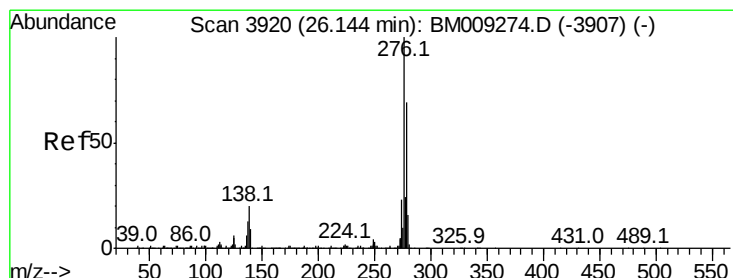
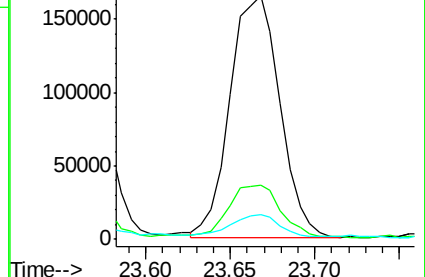
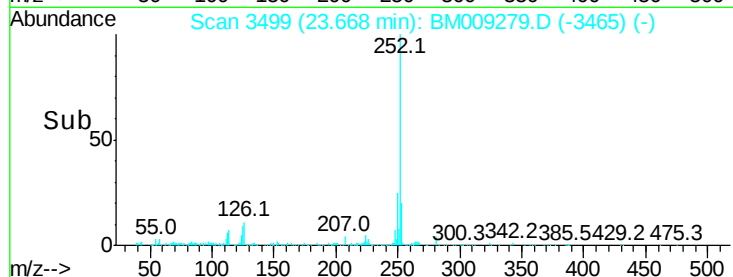
125 10.2 9.4 14.2



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: 2.42 ng/ul

RT: 26.13 min Scan# 3918

Delta R.T. -0.01 min

Lab File: BM009279.D

Acq: 17 Mar 2017 18:13

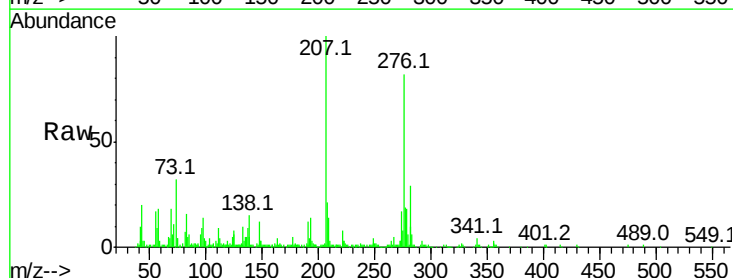
Tgt Ion:276 Resp: 240634

Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.8	26.6
277	23.1	19.4	29.0

276 100

138 18.2 17.8 26.6

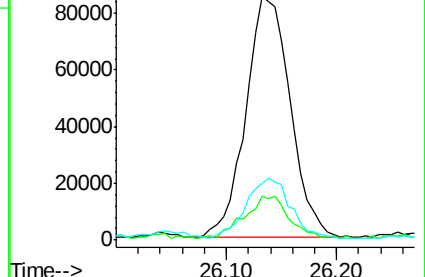
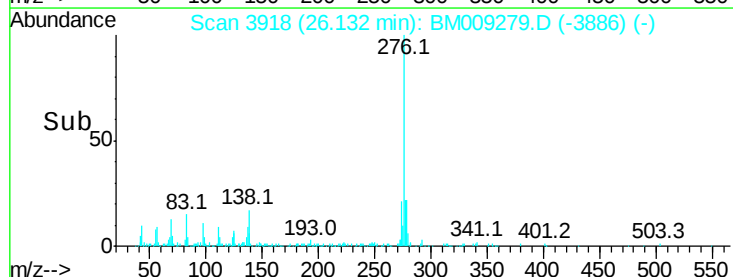
277 23.1 19.4 29.0

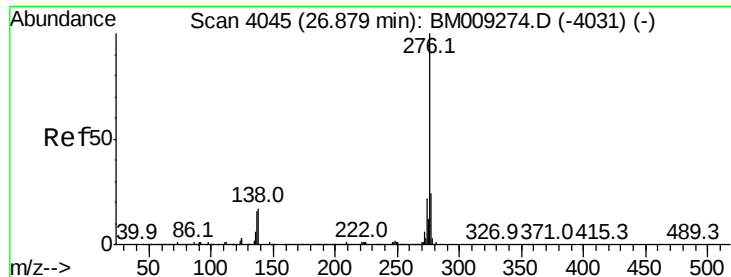


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.55 ng/ul

RT: 26.87 min Scan# 4043

Delta R.T. -0.01 min

Lab File: BM009279.D

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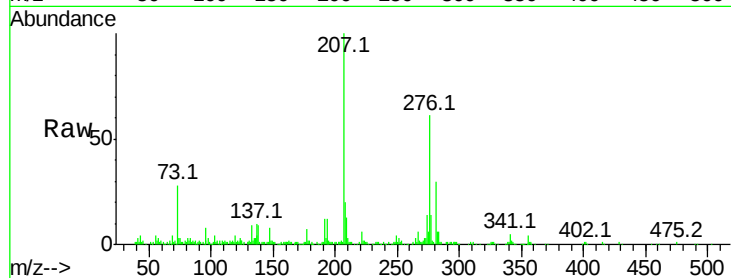
Tot Ion: 276 Resp: 210423

Ion Ratio Lower Upper

276 100

138 14.4 19.0 28.4#

277 23.2 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

