

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009275.D
 Acq On : 17 Mar 2017 15:49
 Operator : SJ/MA
 Sample : I2218-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CX924

Quant Time: Mar 18 00:39:53 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	76703	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	349250	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	246837	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	674406	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1150210	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1247116	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.29	165	5301	0.94	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	532689	25.45	ng/ul	0.00
10) Fluorene-d10	15.51	176	480065	26.17	ng/ul	0.00
15) Anthracene-d10	17.36	188	846864	26.43	ng/ul	0.00
19) Pyrene-d10	19.65	212	1146686	24.87	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.69	264	2363	0.04	ng/ul	0.07

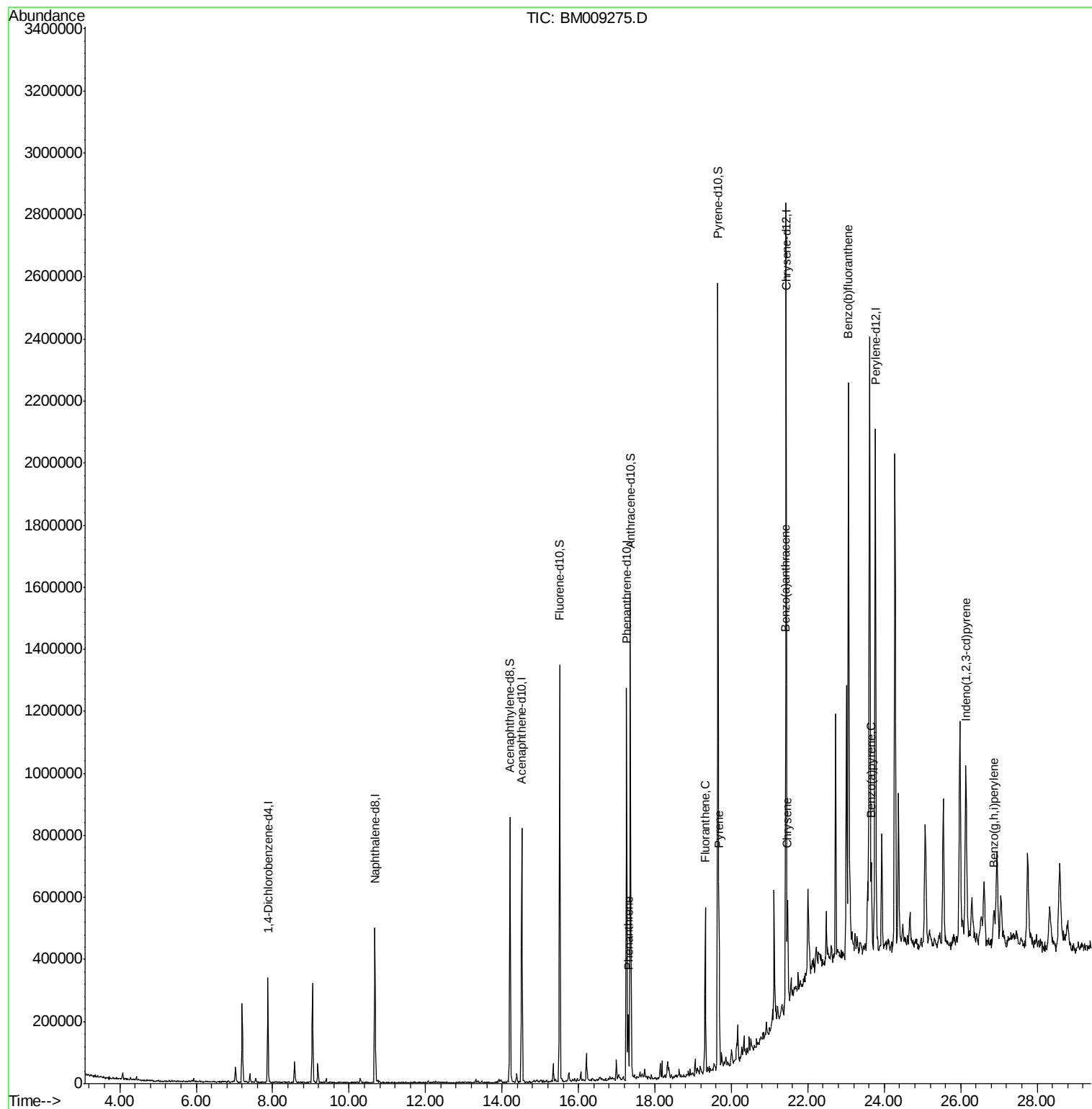
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Phenanthrene	17.30	178	111062	2.92	ng/ul	97
17) Fluoranthene	19.32	202	294685	6.12	ng/ul#	97
20) Pyrene	19.68	202	285399	4.81	ng/ul#	95
21) Benzo(a)anthracene	21.42	228	190669	2.91	ng/ul	99
22) Chrysene	21.47	228	205952	3.33	ng/ul	96
24) Benzo(b)fluoranthene	23.06	252	318438	4.34	ng/ul#	88
27) Benzo(a)pyrene	23.66	252	173446	2.46	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.14	276	161676	1.93	ng/ul#	94
30) Benzo(g,h,i)perylene	26.86	276	73202	1.05	ng/ul#	85

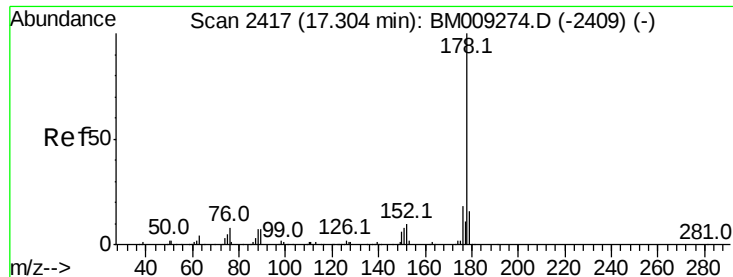
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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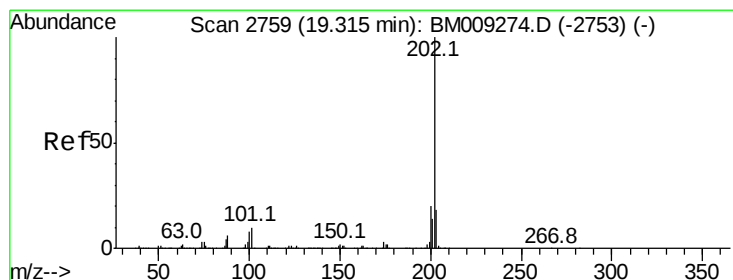
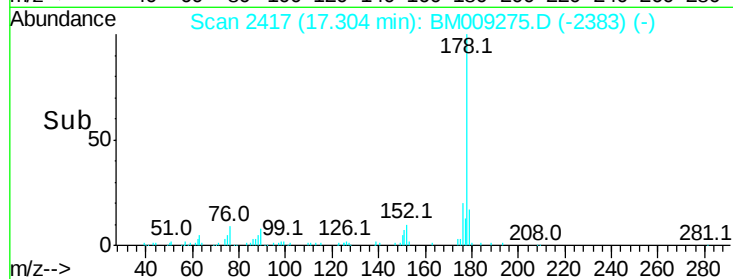
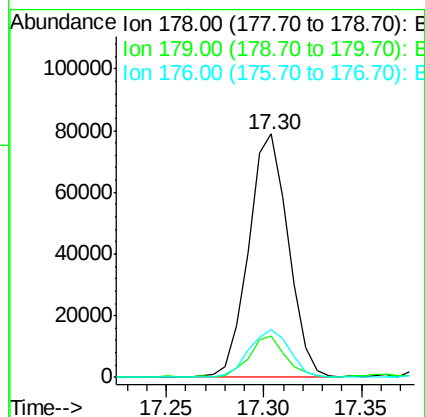
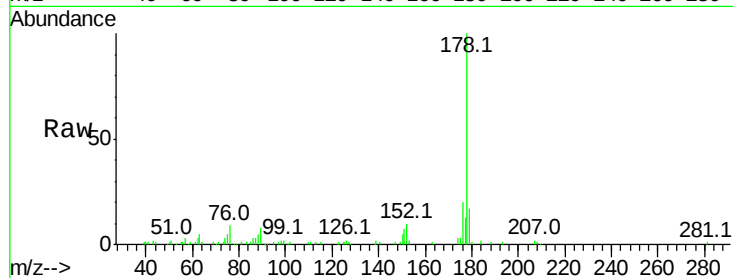




#14
Phenanthrene
Concen: 2.92 ng/ul
RT: 17.30 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BM009275.D
Acq: 17 Mar 2017 15:49

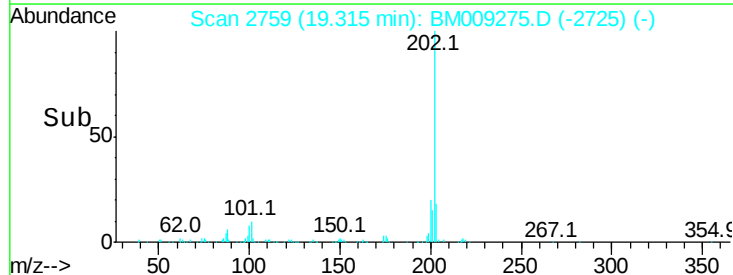
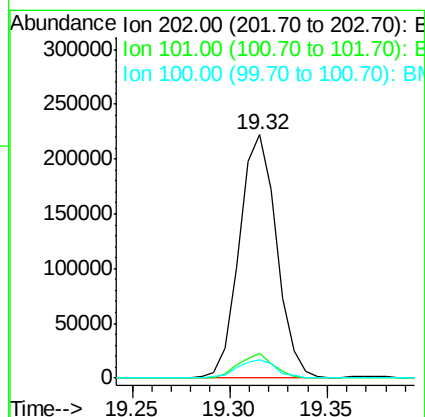
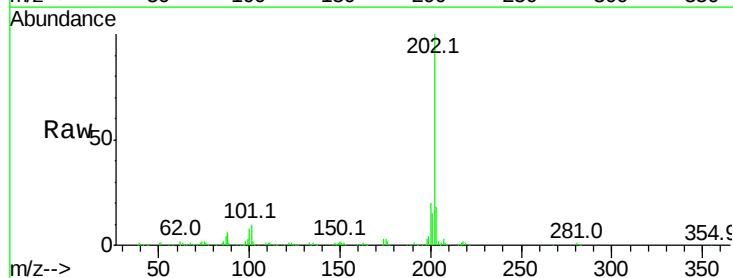
Instrument :
BNA_M
ClientSampleId :
CX924

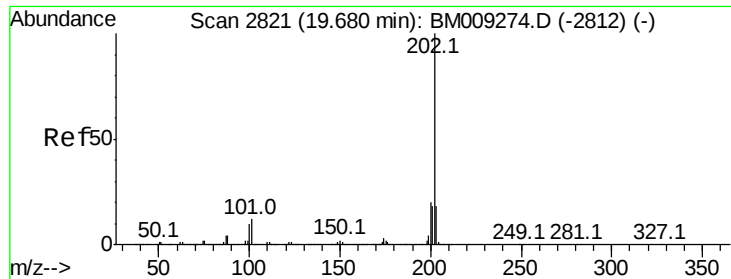
Tot Ion:178 Resp: 111062
Ion Ratio Lower Upper
178 100
179 17.2 12.2 18.4
176 19.6 16.4 24.6



#17
Fluoranthene
Concen: 6.12 ng/ul
RT: 19.32 min Scan# 2759
Delta R.T. 0.00 min
Lab File: BM009275.D
Acq: 17 Mar 2017 15:49

Tgt Ion:202 Resp: 294685
Ion Ratio Lower Upper
202 100
101 11.8 9.8 14.8
100 7.5 7.5 11.3#

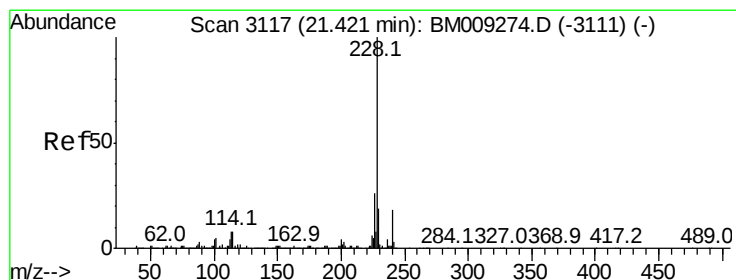
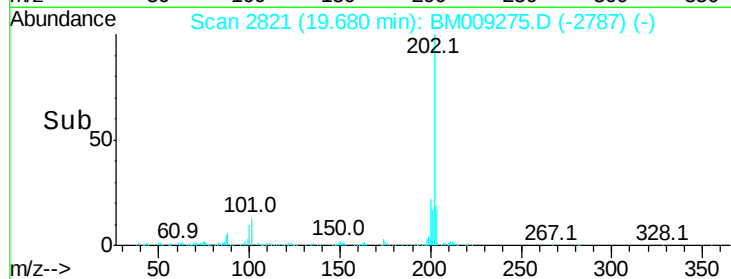
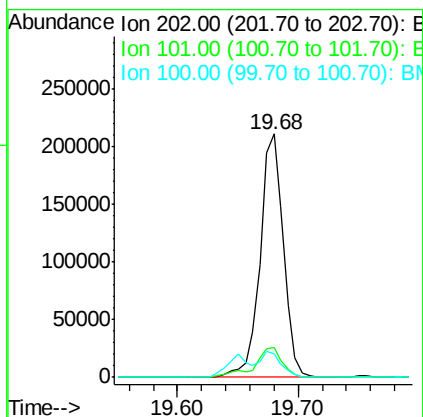
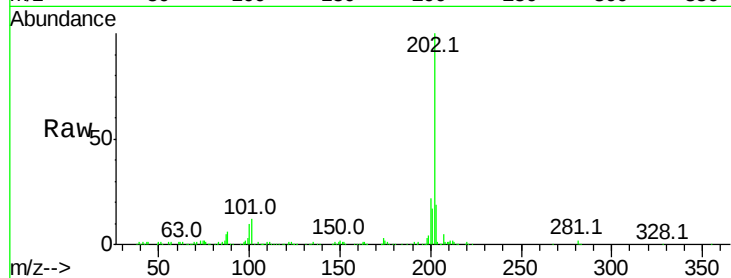




#20
Pvrene
Concen: 4.81 ng/ul
RT: 19.68 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BM009275.D
Acq: 17 Mar 2017 15:49

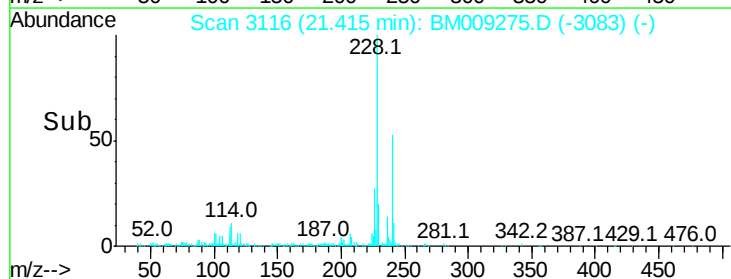
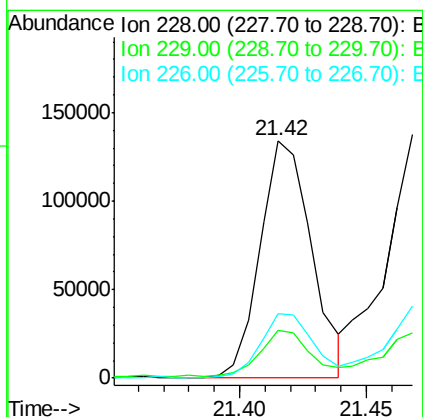
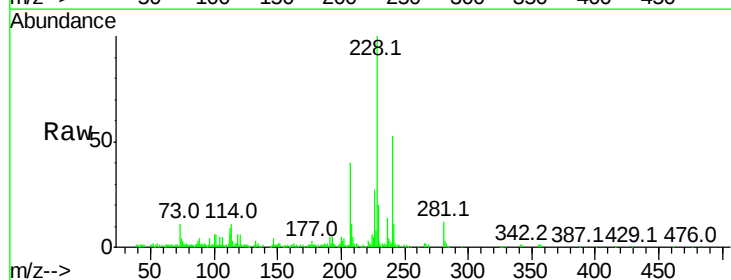
Instrument :
BNA_M
ClientSampled :
CX924

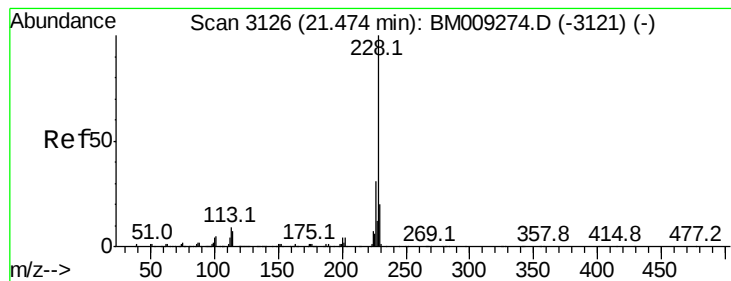
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	11.2	16.8
100	9.7	9.8	14.6



#21
Benzo(a)anthracene
Concen: 2.91 ng/ul
RT: 21.42 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BM009275.D
Acq: 17 Mar 2017 15:49

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.9	23.9
226	27.0	22.1	33.1





#22

Chrysene

Concen: 3.33 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

ClientSampleId :

CX924

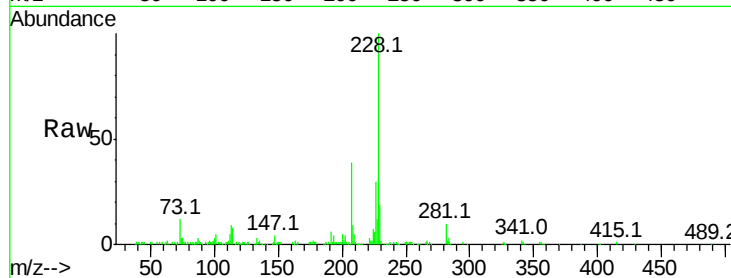
Tot Ion:228 Resp: 205952

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

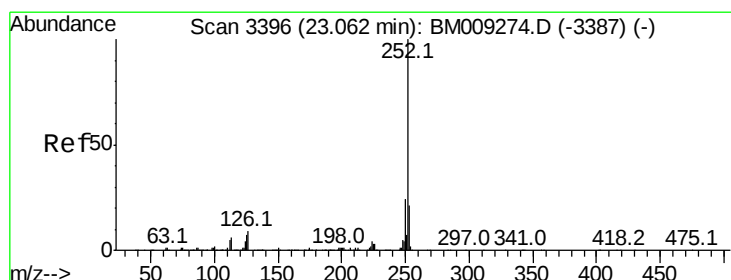
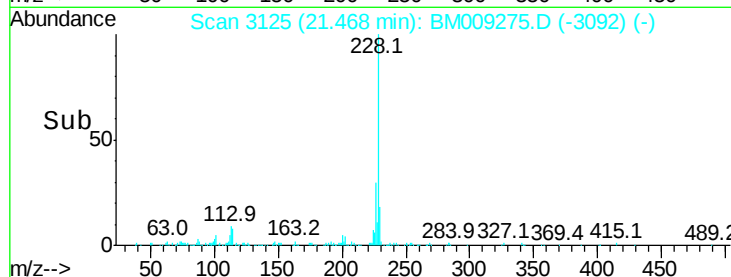
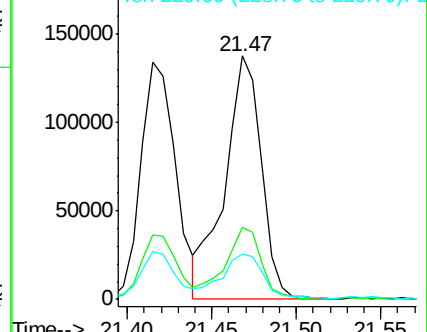
229 18.6 16.6 25.0



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: 4.34 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

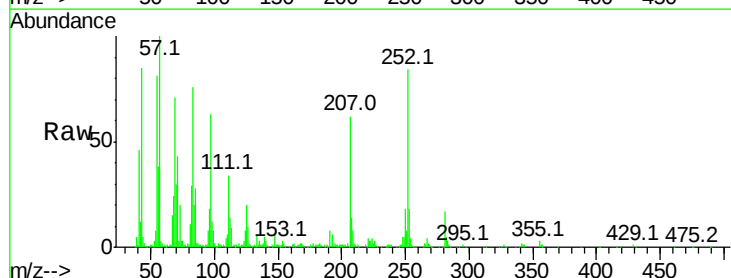
Tgt Ion:252 Resp: 318438

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

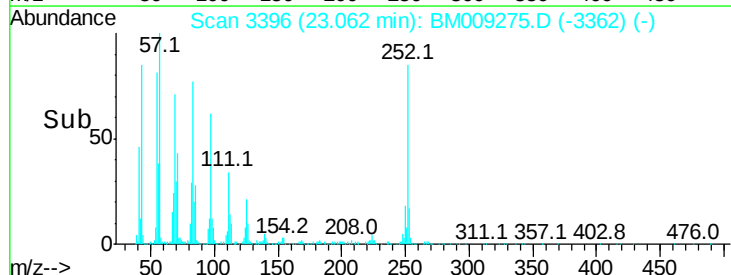
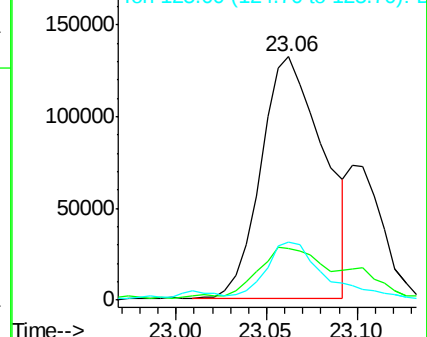
125 24.0 9.4 14.0#

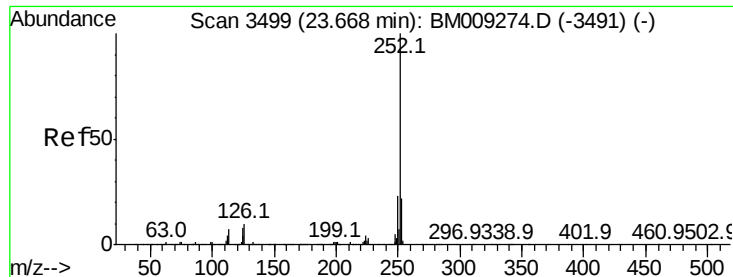


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 2.46 ng/ul

RT: 23.66 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

ClientSampleId :

CX924

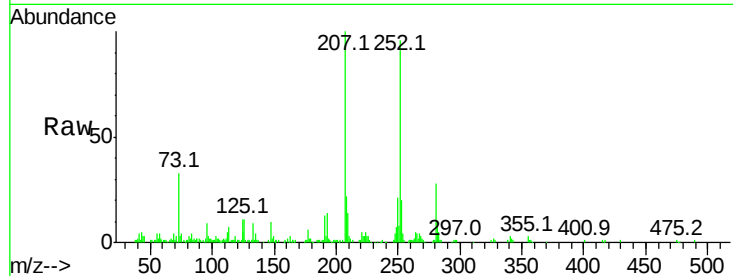
Tot Ion:252 Resp: 173446

Ion Ratio Lower Upper

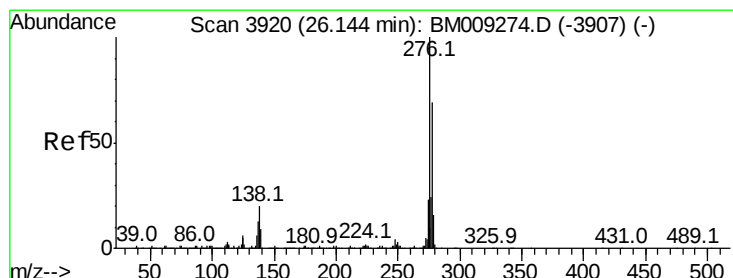
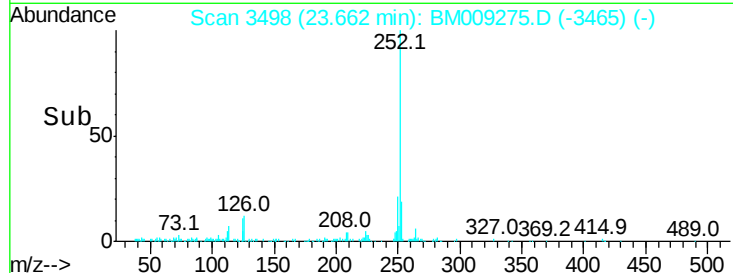
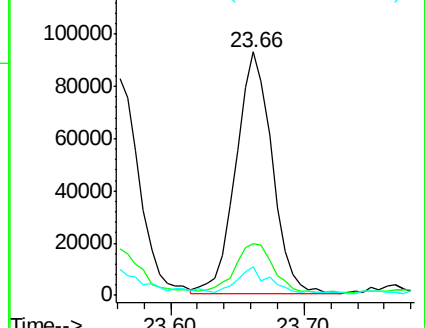
252 100

253 21.1 17.1 25.7

125 11.5 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: 1.93 ng/ul

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

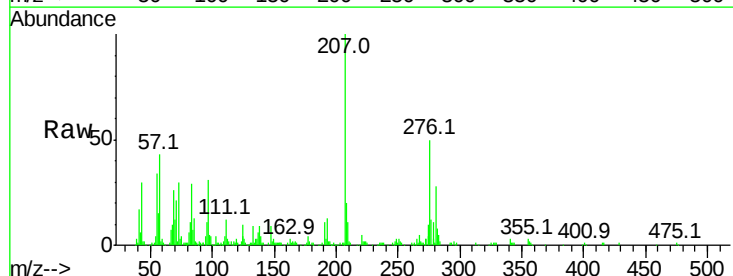
Tgt Ion:276 Resp: 161676

Ion Ratio Lower Upper

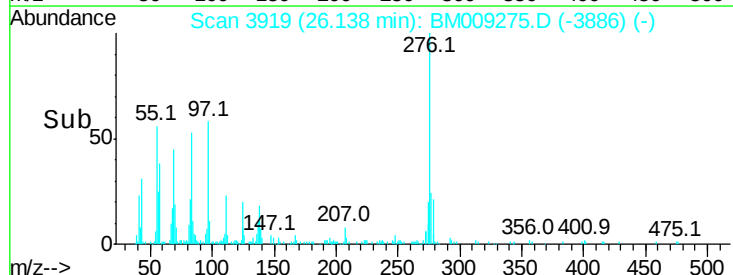
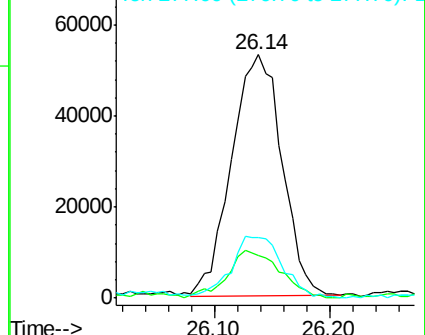
276 100

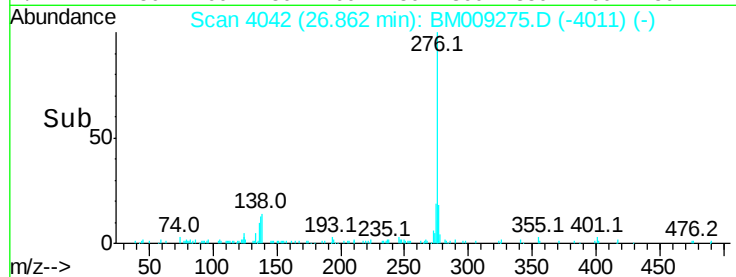
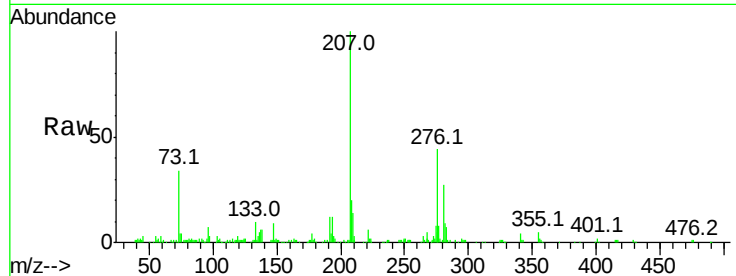
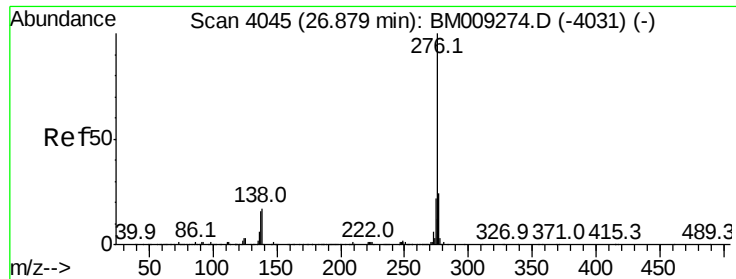
138 17.5 17.8 26.6#

277 25.0 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: 1.05 ng/ul

RT: 26.86 min Scan# 4042

Delta R.T. -0.02 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

ClientSampleId :

CX924

Tot Ion: 276 Resp: 73202

Ion Ratio Lower Upper

276 100

138 14.4 19.0 28.4#

277 19.2 19.7 29.5#

