

Data Path : Z:\HPCHEM1\BNA_M\Data\BM040817\
 Data File : BM009626.D
 Acq On : 07 Apr 2017 13:26
 Operator : SJ/MA
 Sample : I2526-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB376

Quant Time: Apr 07 14:01:50 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

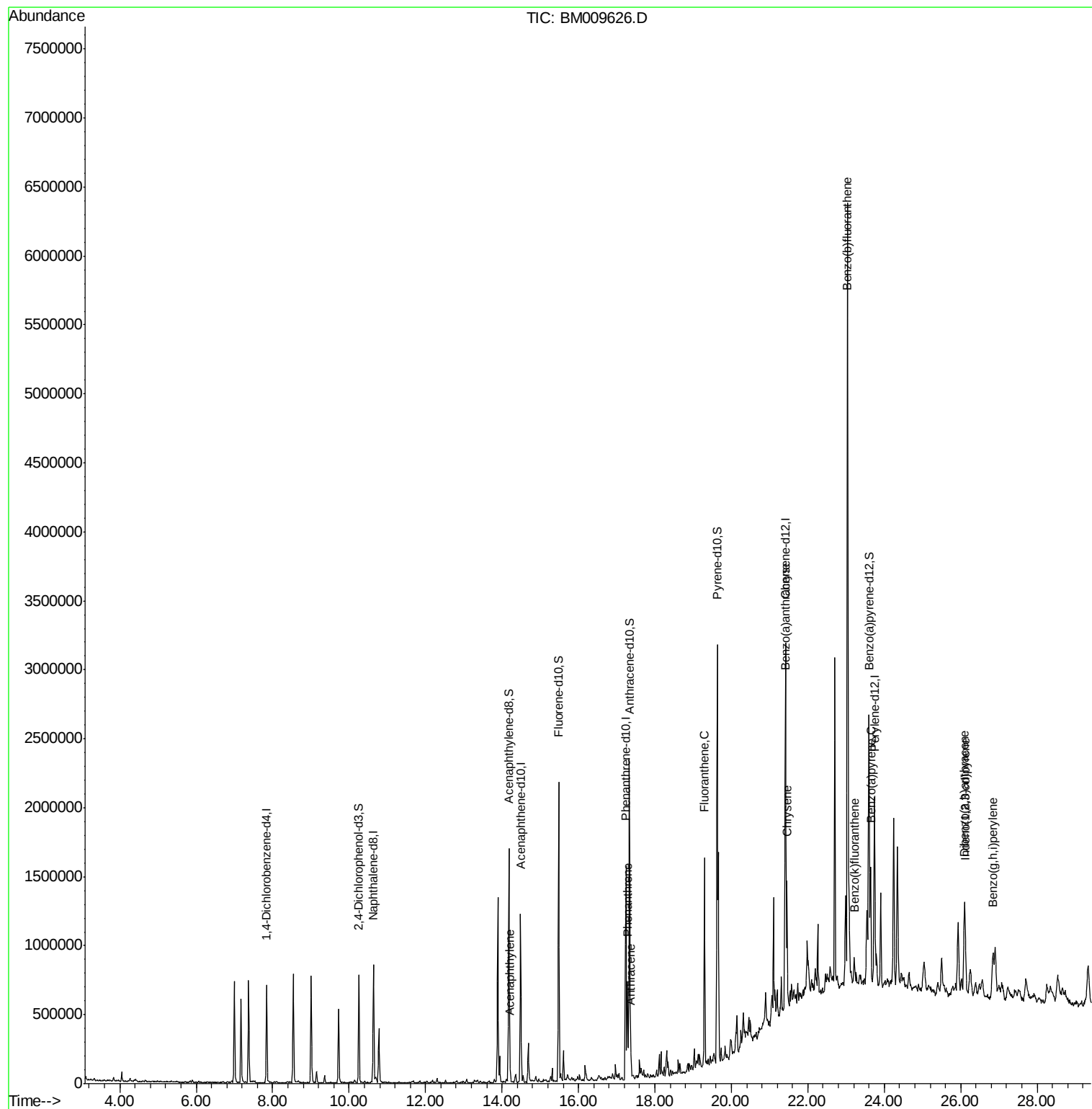
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	163356	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	645420	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	362927	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	851057	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1059018	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1018707	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	250816	25.27	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1088996	30.62	ng/ul	0.00
10) Fluorene-d10	15.48	176	772464	30.20	ng/ul	0.00
15) Anthracene-d10	17.33	188	1209963	29.72	ng/ul	0.00
19) Pyrene-d10	19.63	212	1430520	32.87	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1384588	30.78	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.21	152	68119	1.91	ng/ul#	92
14) Phenanthrene	17.28	178	388934	8.13	ng/ul	98
16) Anthracene	17.37	178	112857	2.28	ng/ul	98
17) Fluoranthene	19.30	202	871299	14.62	ng/ul	96
21) Benzo(a)anthracene	21.40	228	531660	8.88	ng/ul	98
22) Chrysene	21.46	228	520791	9.49	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	792601	12.58	ng/ul#	87
25) Benzo(k)fluoranthene	23.22	252	134328	2.24	ng/ul	98
27) Benzo(a)pyrene	23.64	252	570789	9.53	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	26.11	276	426010	6.34	ng/ul	95
29) Dibenzo(a,h)anthracene	26.10	278	63101	1.11	ng/ul	94
30) Benzo(g,h,i)perylene	26.84	276	413034	7.46	ng/ul#	93

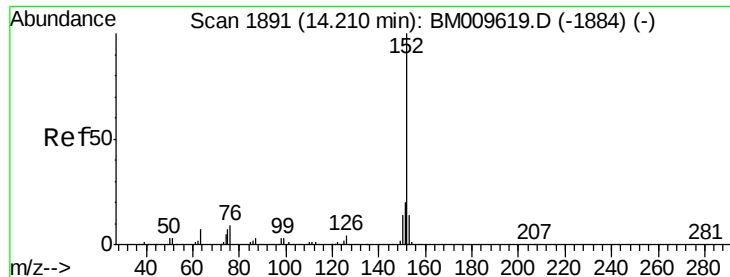
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.91 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

Instrument :

BNA_M

ClientSampleId :

CB376

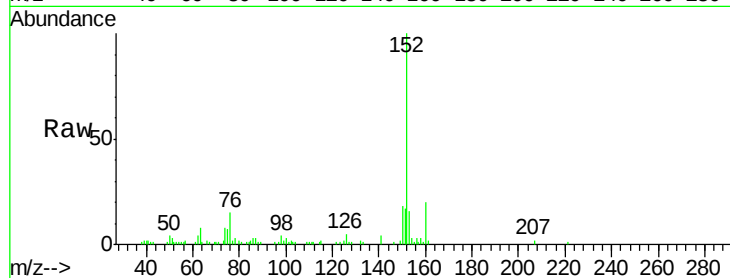
Tgt Ion:152 Resp: 68119

Ion Ratio Lower Upper

152 100

151 17.3 17.5 26.3#

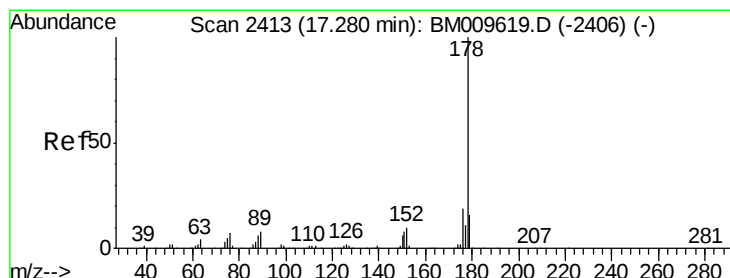
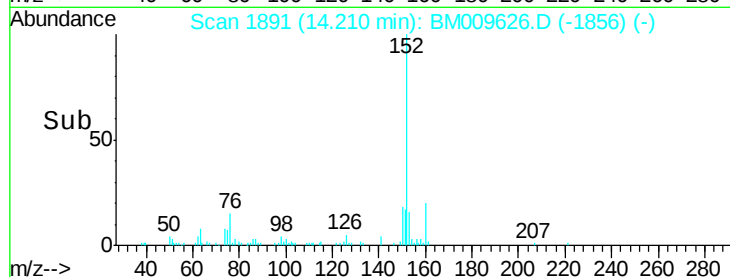
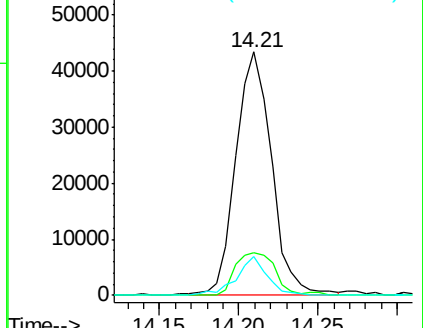
153 15.9 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#14

Phenanthrene

Concen: 8.13 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

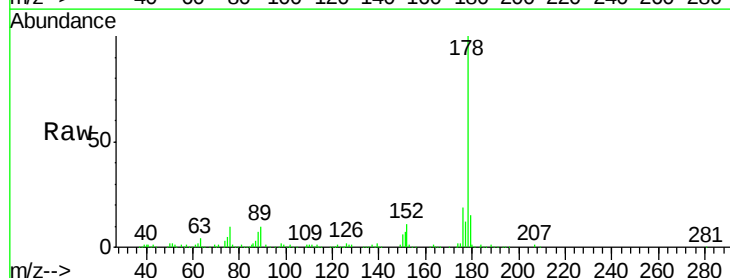
Tgt Ion:178 Resp: 388934

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

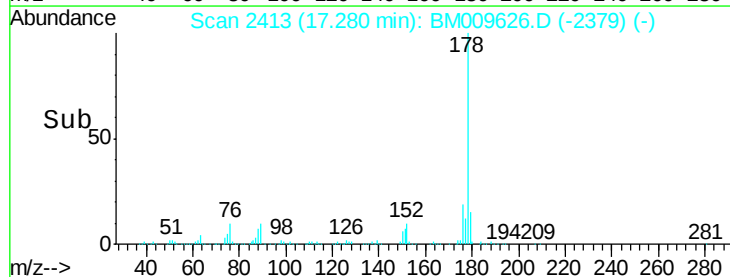
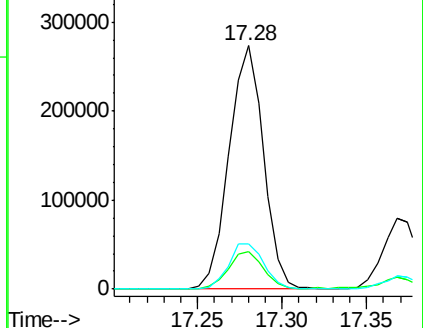
176 18.7 16.4 24.6

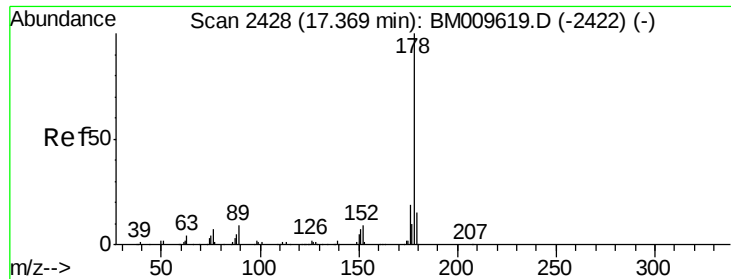


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

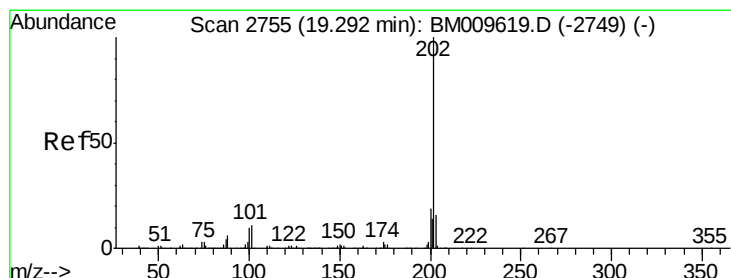
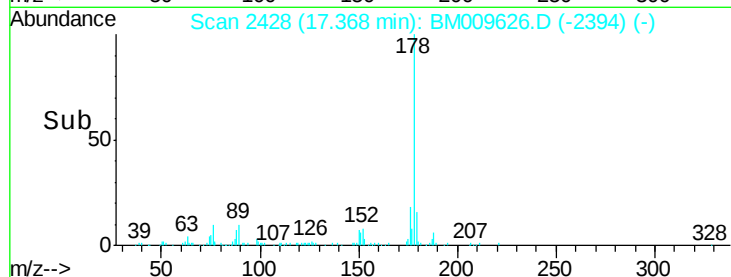
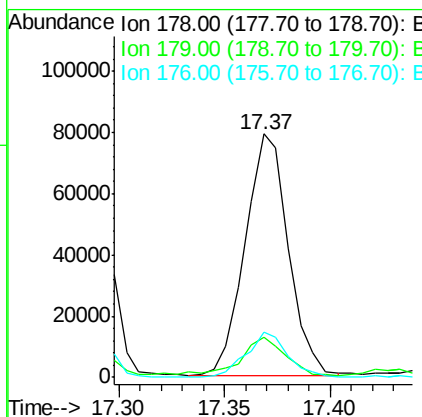
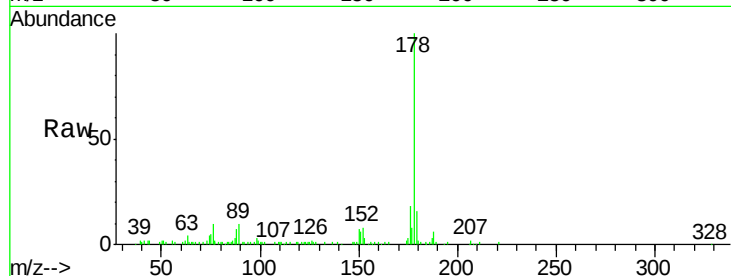




#16
 Anthracene
 Concen: 2.28 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009626.D
 Acq: 07 Apr 2017 13:26

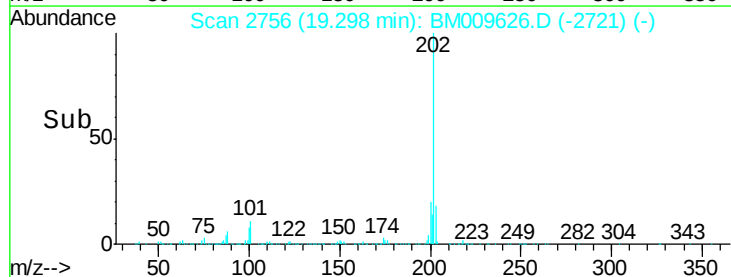
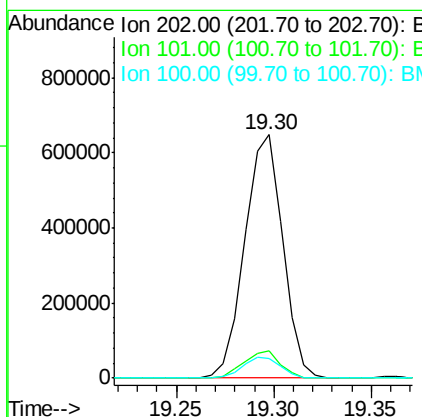
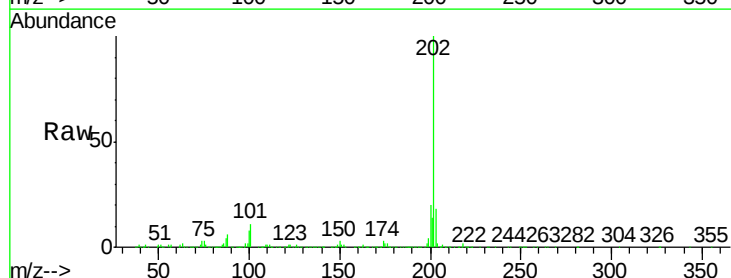
Instrument :
 BNA_M
 ClientSampleId :
 CB376

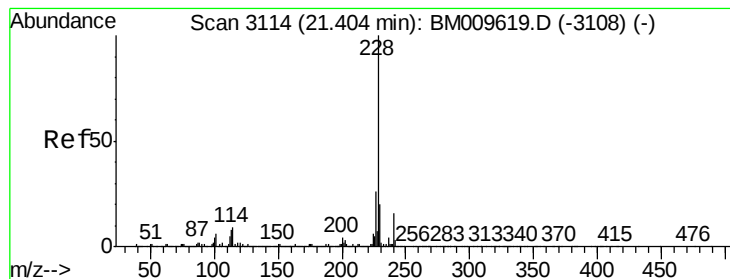
Tgt Ion:178 Resp: 112857
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.7 19.1
 176 18.5 15.8 23.8



#17
 Fluoranthene
 Concen: 14.62 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009626.D
 Acq: 07 Apr 2017 13:26

Tgt Ion:202 Resp: 871299
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.8 14.8
 100 7.9 7.5 11.3





#21

Benzo(a)anthracene

Concen: 8.88 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

Instrument :

BNA_M

ClientSampled :

CB376

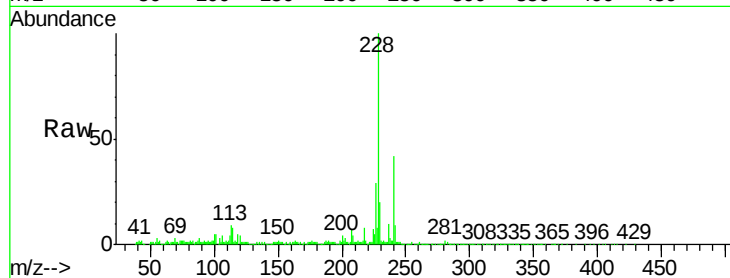
Tgt Ion:228 Resp: 531660

Ion Ratio Lower Upper

228 100

229 19.5 15.9 23.9

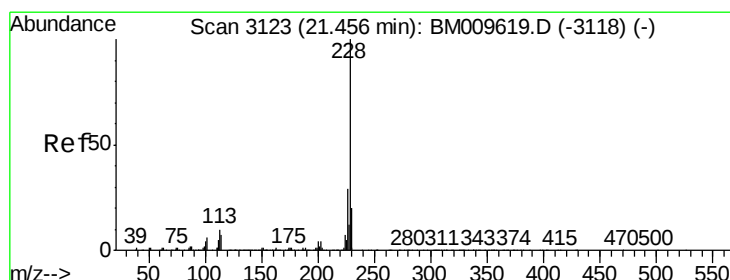
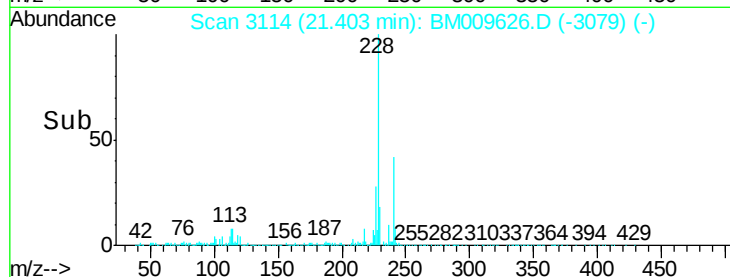
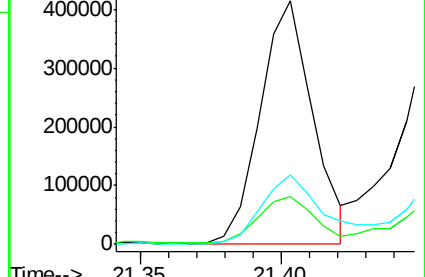
226 28.8 22.1 33.1



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: 9.49 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

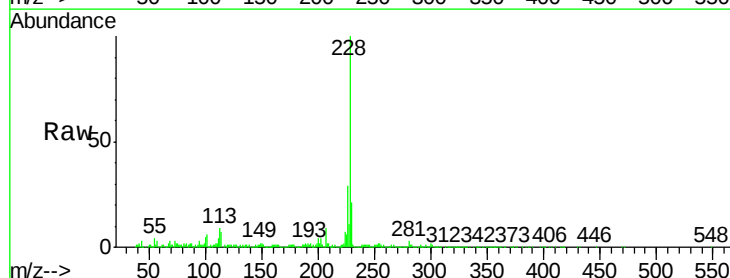
Tgt Ion:228 Resp: 520791

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

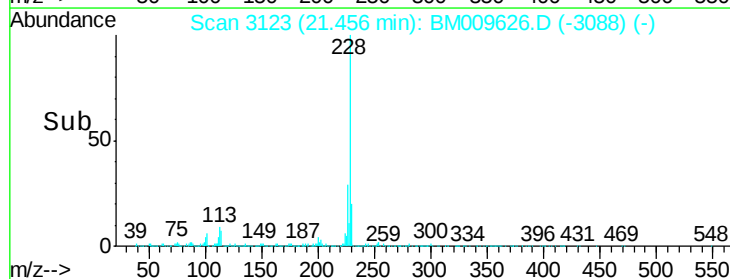
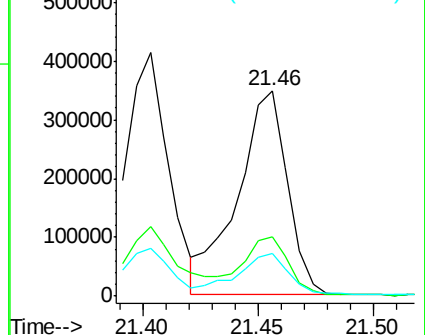
229 20.8 16.6 25.0

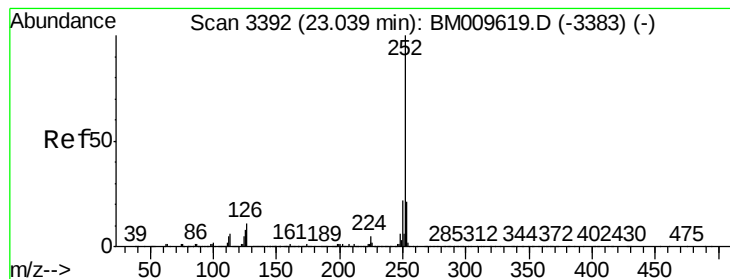


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 12.58 ng/ul

RT: 23.04 min Scan# 3393

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

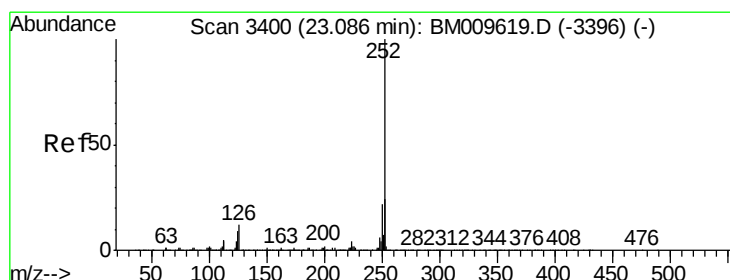
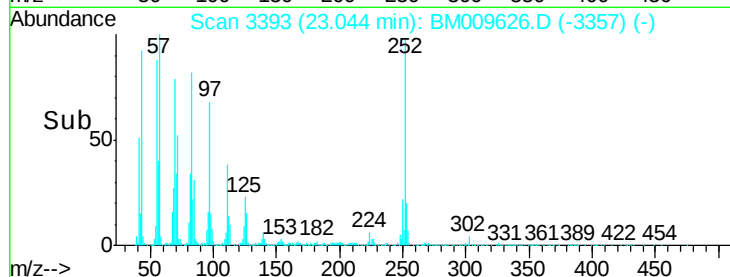
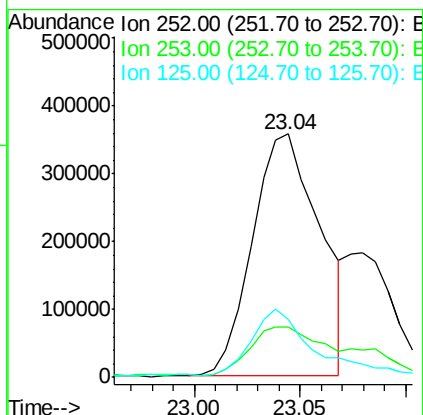
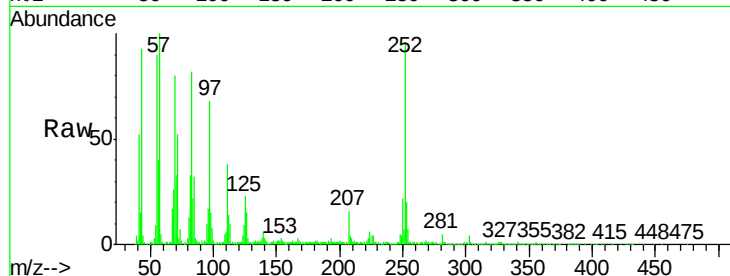
Instrument :

BNA_M

ClientSampleId :

CB376

Tgt Ion:	252	Resp:	792601
Ion Ratio		Lower	Upper
252	100		
253	20.8	17.8	26.6
125	24.0	9.4	14.0#



#25

Benzo(k)fluoranthene

Concen: 2.24 ng/ul

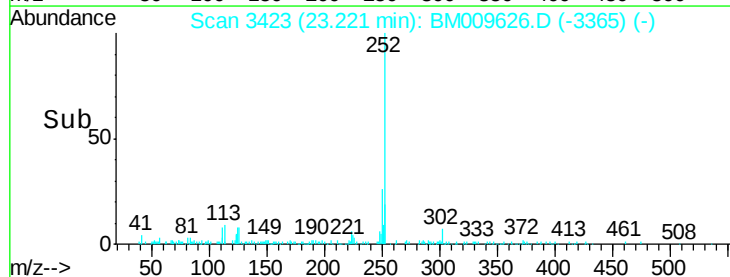
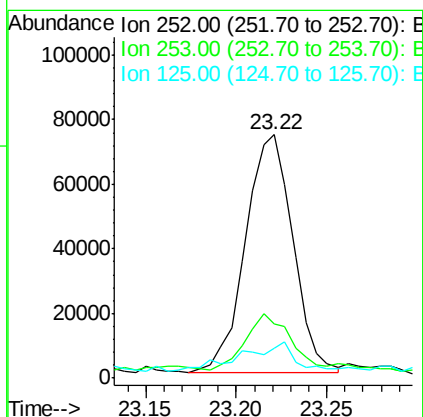
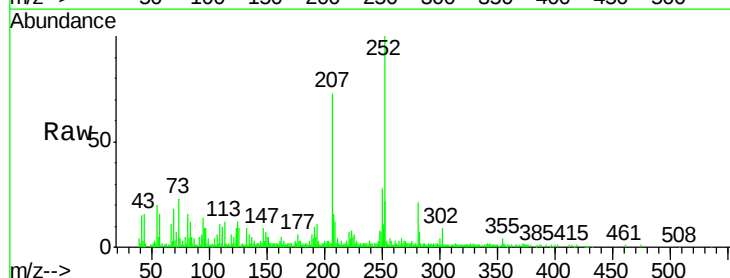
RT: 23.22 min Scan# 3423

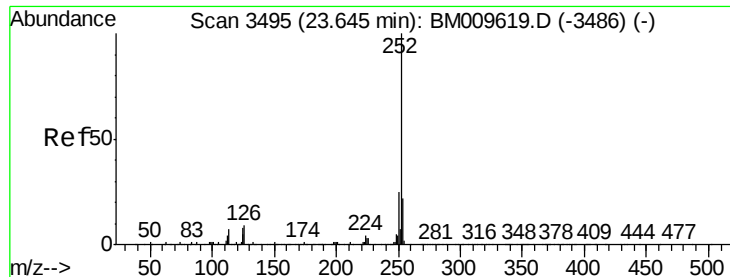
Delta R.T. 0.14 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

Tgt Ion:	252	Resp:	134328
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.4	26.2
125	12.2	8.8	13.2





#27

Benzo(a)pyrene

Concen: 9.53 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

Instrument :

BNA_M

ClientSampleId :

CB376

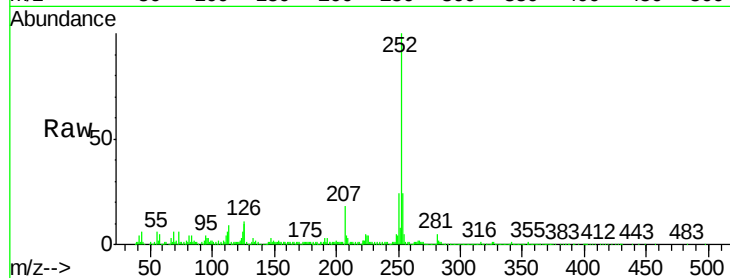
Tgt Ion:252 Resp: 570789

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

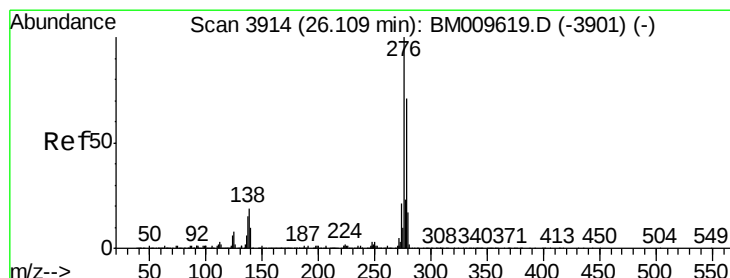
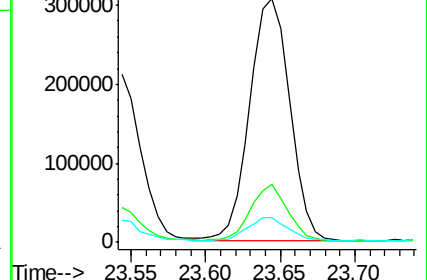
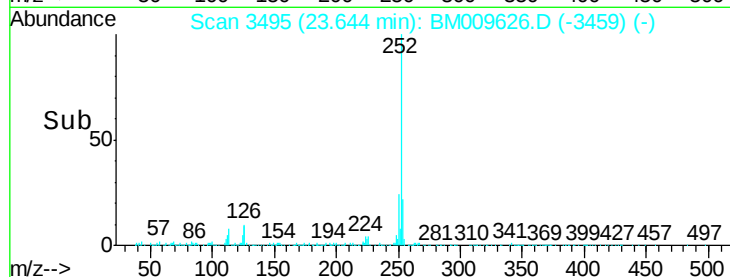
125 10.3 9.4 14.2



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: 6.34 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

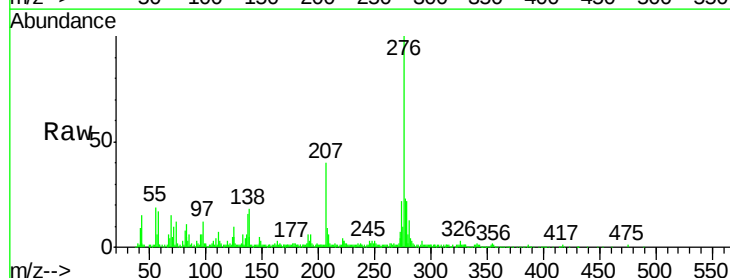
Tgt Ion:276 Resp: 426010

Ion Ratio Lower Upper

276 100

138 18.0 17.8 26.6

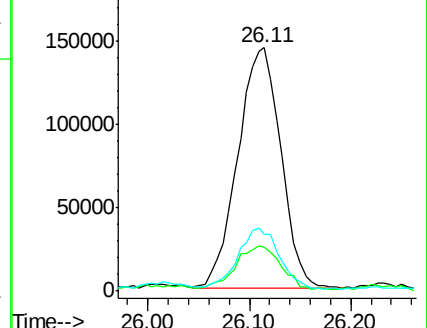
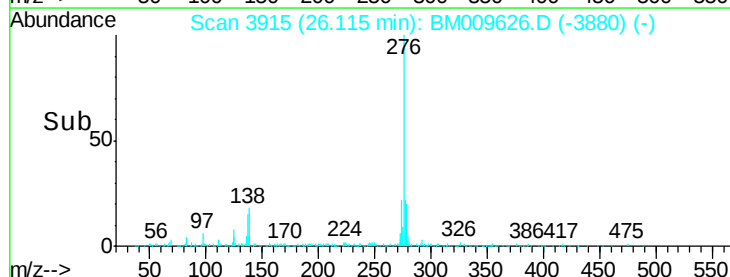
277 23.4 19.4 29.0

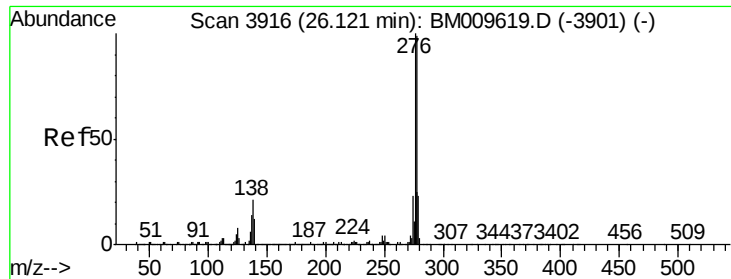


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.11 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM009626.D

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Instrument :

BNA_M

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CB376

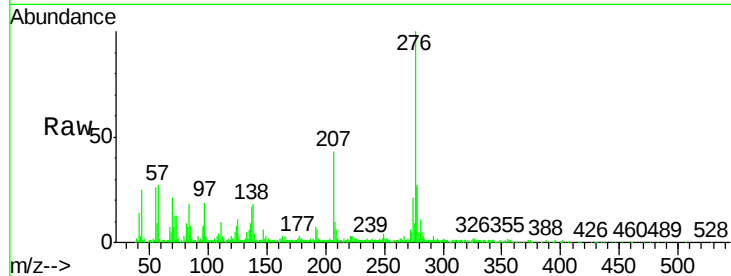
Tgt Ion:278 Resp: 63101

Ion Ratio Lower Upper

278 100

139 16.6 14.0 21.0

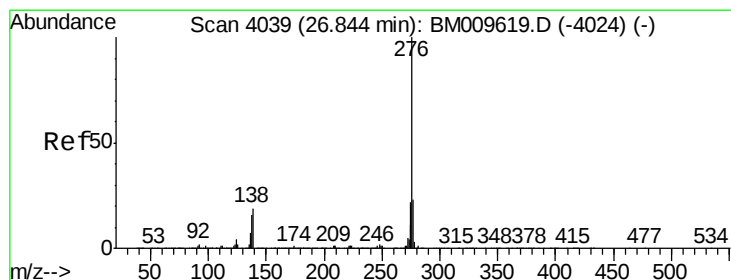
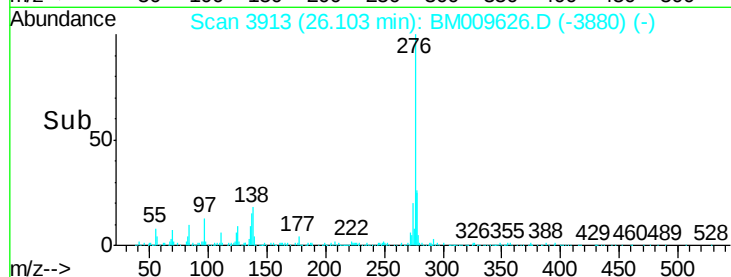
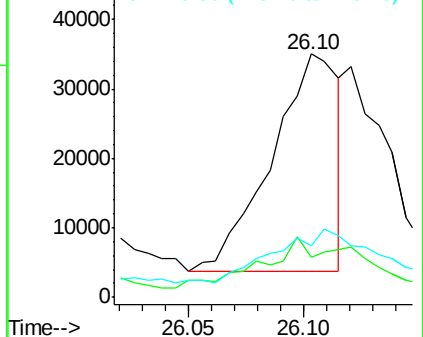
279 21.1 20.6 31.0



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: 7.46 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM009626.D

Acq: 07 Apr 2017 13:26

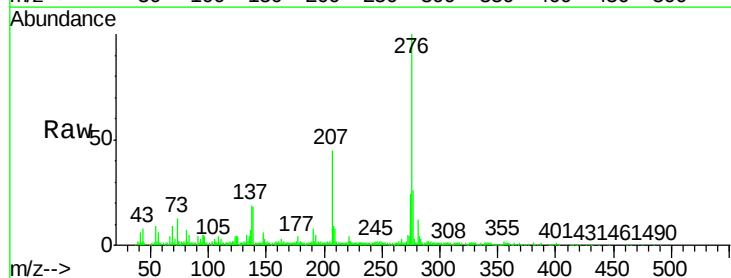
Tgt Ion:276 Resp: 413034

Ion Ratio Lower Upper

276 100

138 17.9 19.0 28.4#

277 26.0 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

