

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009608.D
 Acq On : 06 Apr 2017 23:47
 Operator : SJ/MA
 Sample : I2525-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB349

Quant Time: Apr 07 03:21:48 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

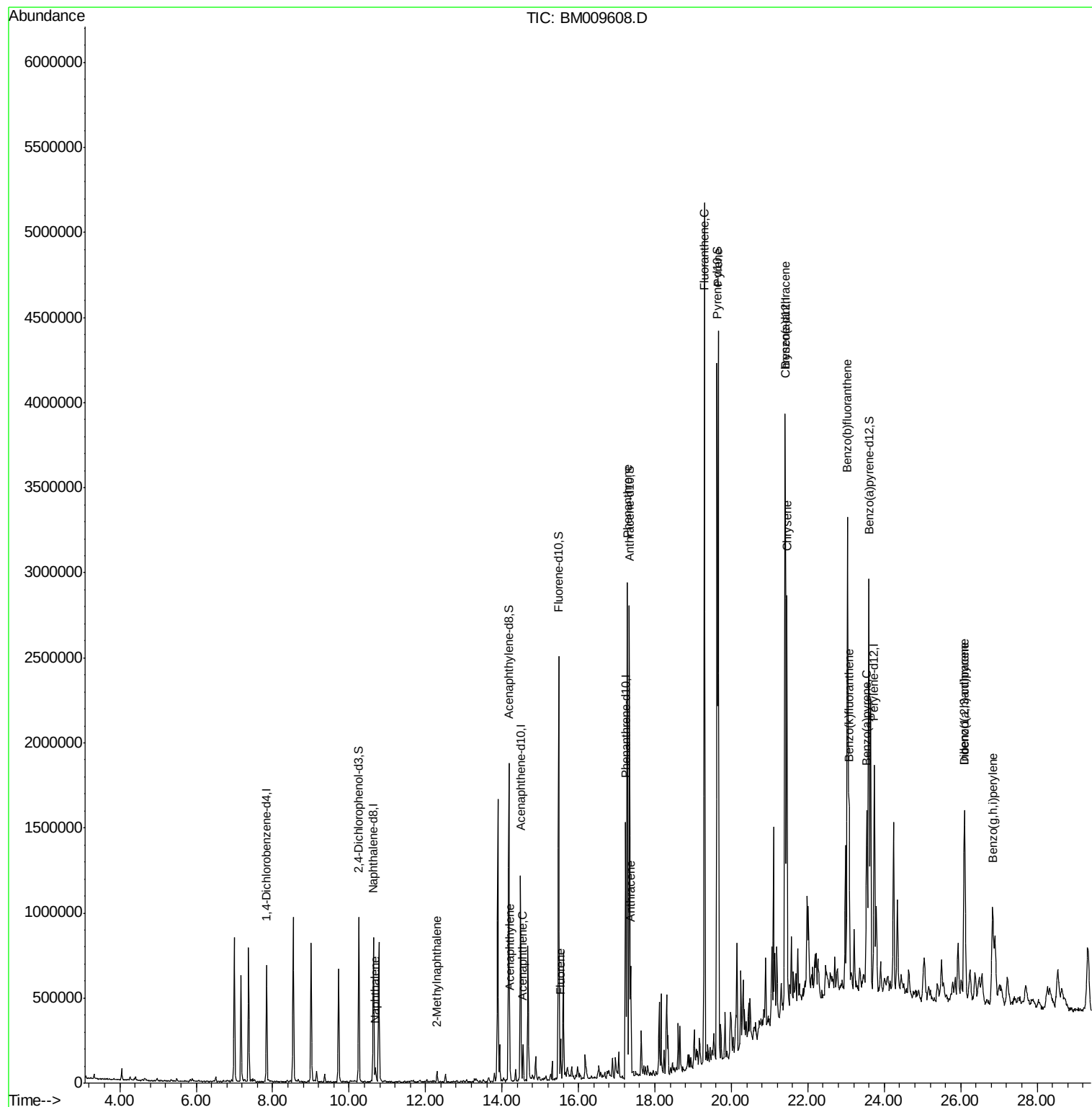
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	158018	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	623249	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	360653	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	830578	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1088331	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1027286	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	302673	31.58	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1242104	35.14	ng/ul	0.00
10) Fluorene-d10	15.48	176	880689	34.64	ng/ul	0.00
15) Anthracene-d10	17.33	188	1415463	35.62	ng/ul	0.00
19) Pyrene-d10	19.63	212	1702734	38.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1699142	37.46	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	10.68	128	54350	1.70	ng/ul	98
5) 2-Methylnaphthalene	12.30	142	27963	1.20	ng/ul	98
8) Acenaphthylene	14.20	152	49930	1.41	ng/ul#	91
9) Acenaphthene	14.55	153	77721	3.18	ng/ul	96
11) Fluorene	15.53	166	94985	3.19	ng/ul	98
14) Phenanthrene	17.28	178	1656734	35.48	ng/ul	98
16) Anthracene	17.37	178	351107	7.27	ng/ul	98
17) Fluoranthene	19.29	202	2877563	49.48	ng/ul	96
20) Pyrene	19.66	202	2463749	41.58	ng/ul	97
21) Benzo(a)anthracene	21.40	228	1399648	22.75	ng/ul	98
22) Chrysene	21.45	228	1273428	22.58	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1714073	26.98	ng/ul	99
25) Benzo(k)fluoranthene	23.08	252	564355	9.32	ng/ul	99
27) Benzo(a)pyrene	23.54	252	788798	13.06	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.10	276	809638	11.96	ng/ul#	93
29) Dibenzo(a,h)anthracene	26.10	278	205575	3.57	ng/ul	94
30) Benzo(a,h,i)perylene	26.83	276	711321	12.74	ng/ul#	94

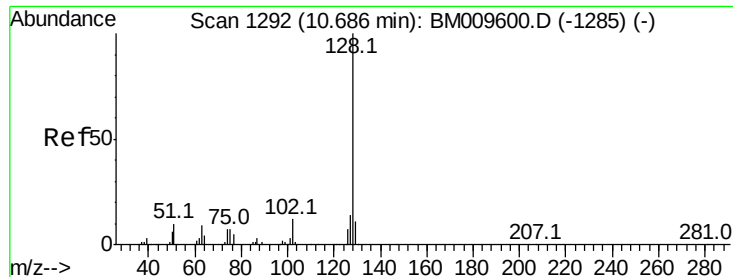
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.70 ng/ul

RT: 10.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

ClientSampleId :

CB349

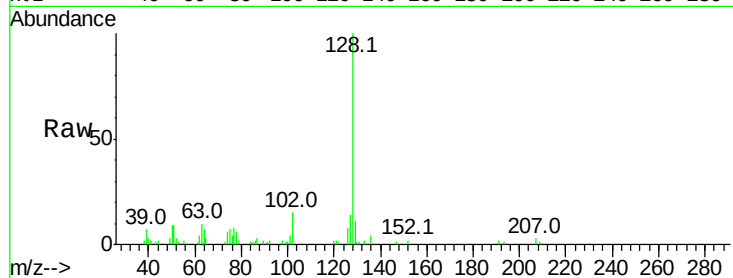
Tot Ion:128 Resp: 54350

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

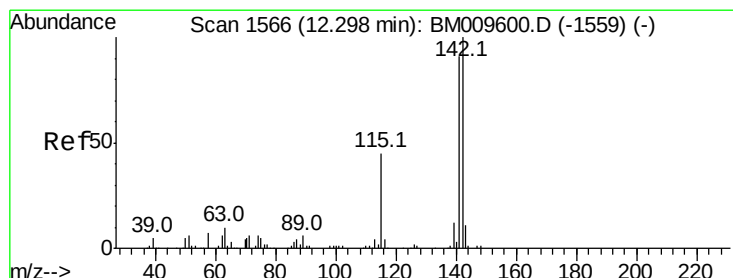
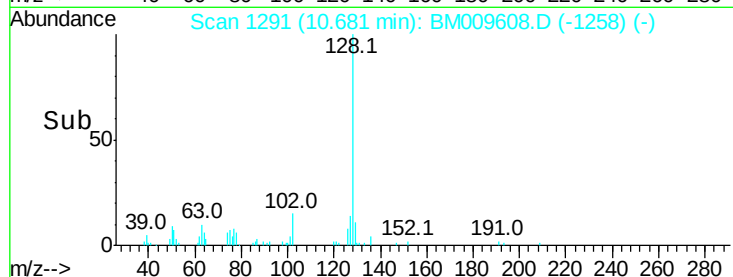
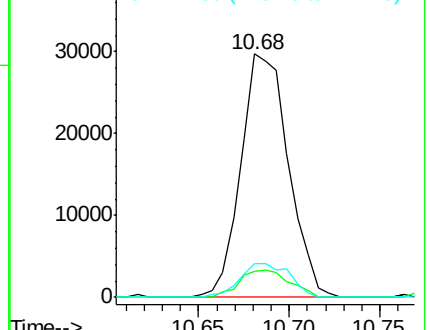
127 13.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.20 ng/ul

RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BM009608.D

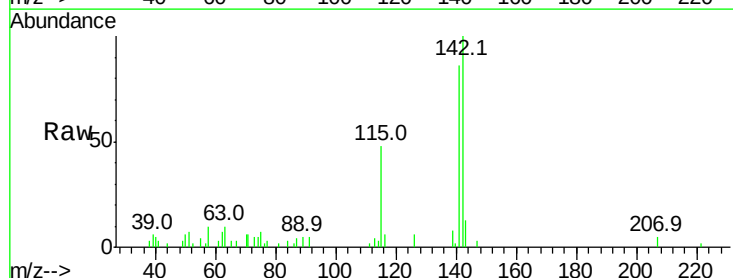
Acq: 06 Apr 2017 23:47

Tgt Ion:142 Resp: 27963

Ion Ratio Lower Upper

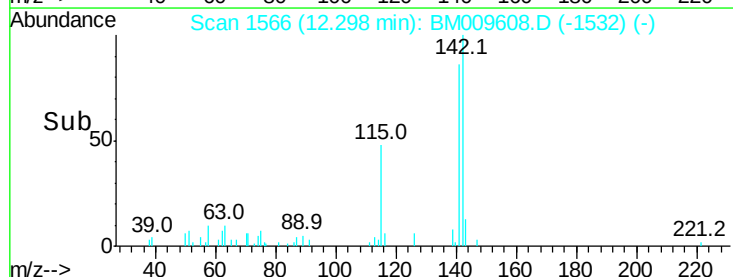
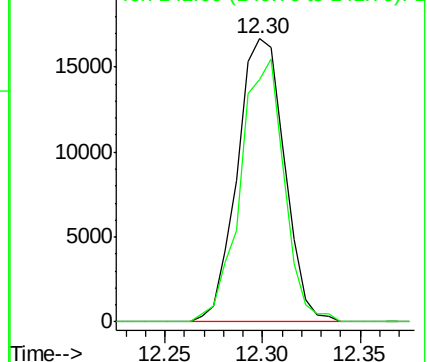
142 100

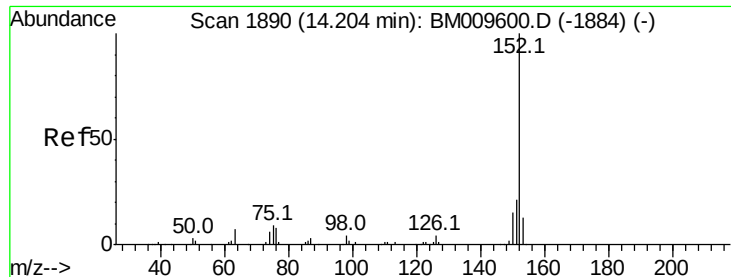
141 85.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.41 ng/ul

RT: 14.20 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

ClientSampleId :

CB349

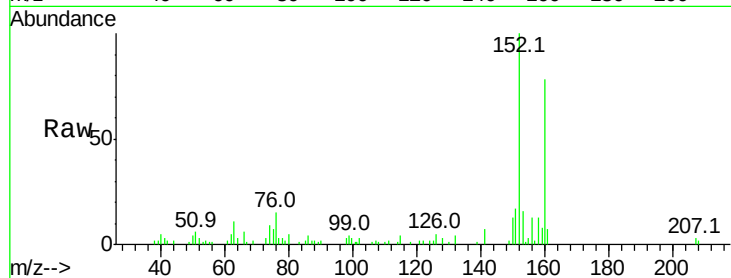
Tot Ion:152 Resp: 49930

Ion Ratio Lower Upper

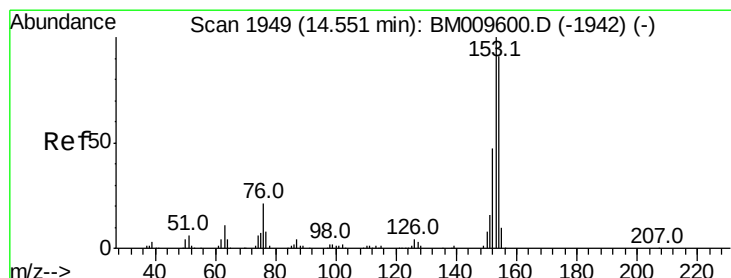
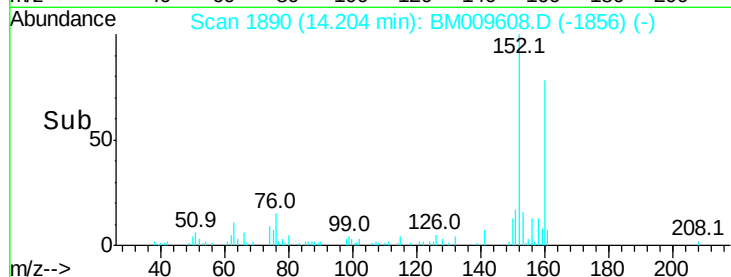
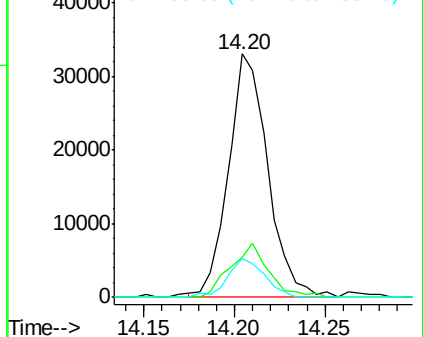
152 100

151 16.7 17.5 26.3#

153 15.8 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



#9

Acenaphthene

Concen: 3.18 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

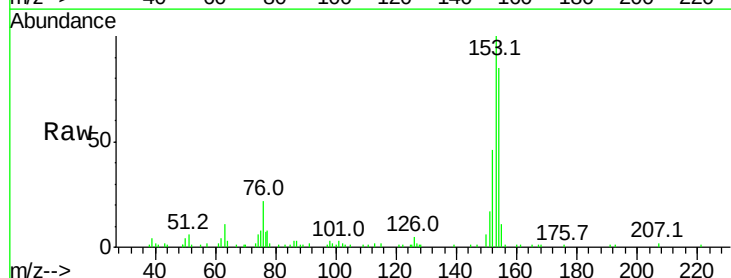
Tgt Ion:153 Resp: 77721

Ion Ratio Lower Upper

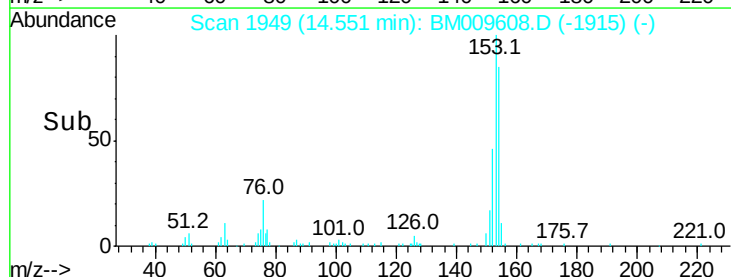
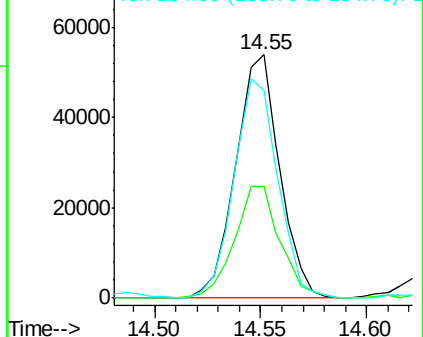
153 100

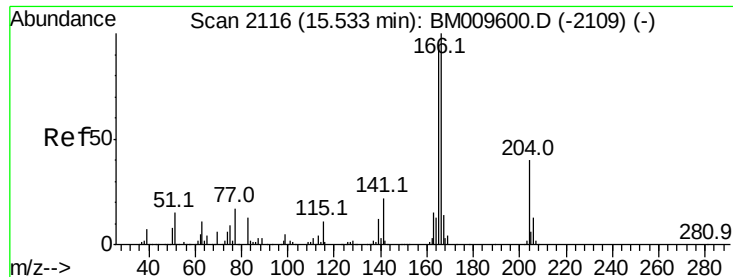
152 46.0 37.9 56.9

154 85.3 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

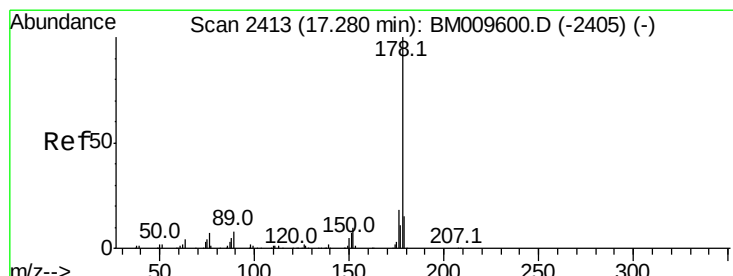
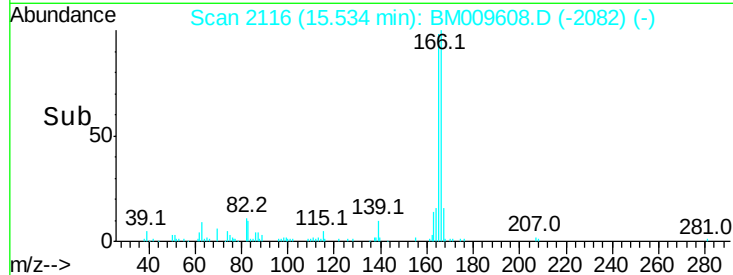
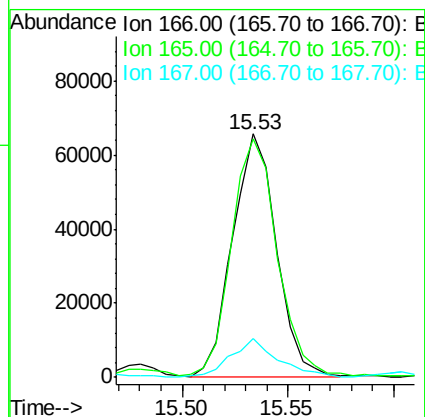
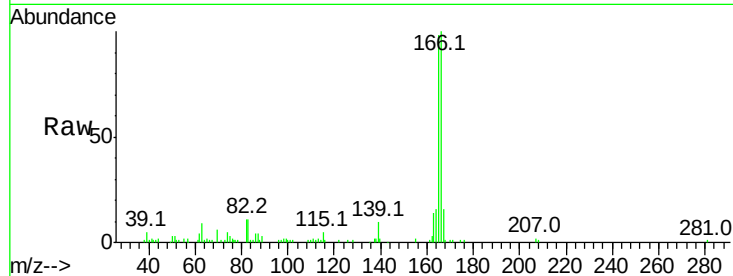




#11
Fluorene
Concen: 3.19 ng/ul
RT: 15.53 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

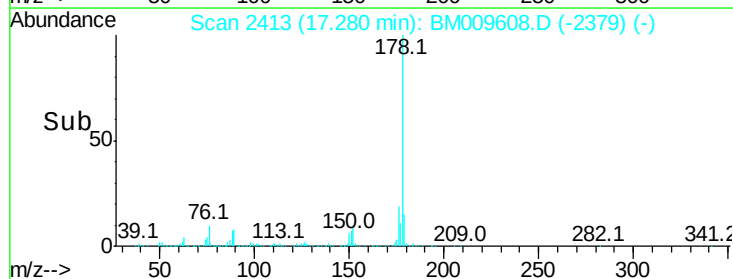
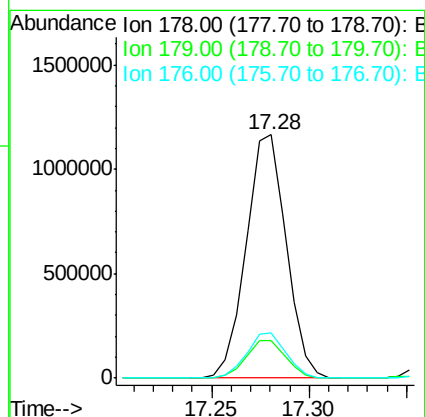
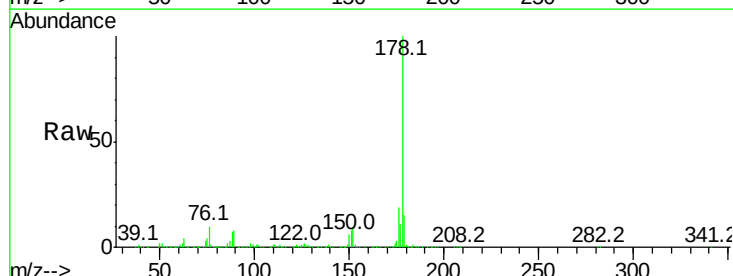
Instrument :
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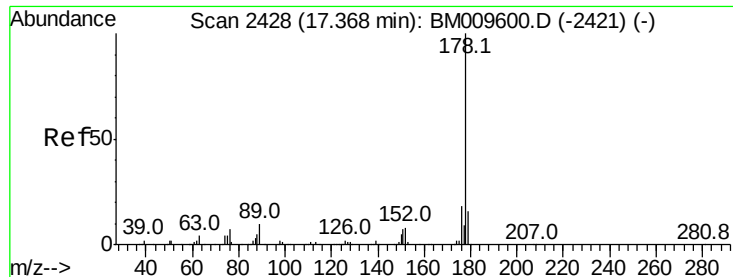
Tot Ion:166 Resp: 94985
Ion Ratio Lower Upper
166 100
165 97.7 80.0 120.0
167 16.0 11.6 17.4



#14
Phenanthrene
Concen: 35.48 ng/ul
RT: 17.28 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

Tgt Ion:178 Resp: 1656734
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 18.6 16.4 24.6

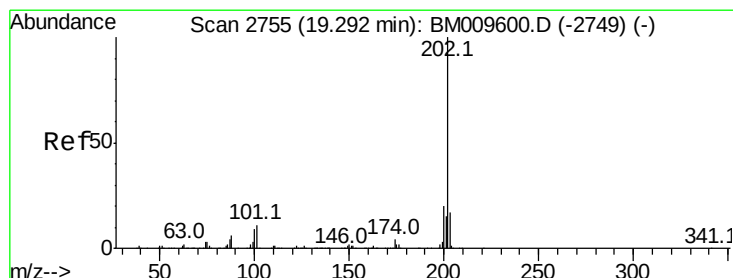
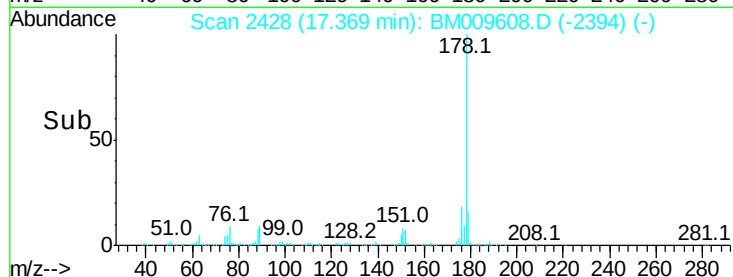
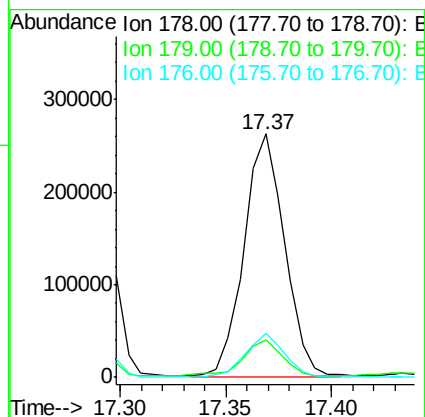
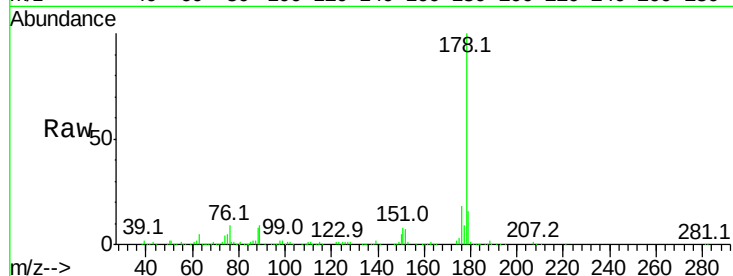




#16
 Anthracene
 Concen: 7.27 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

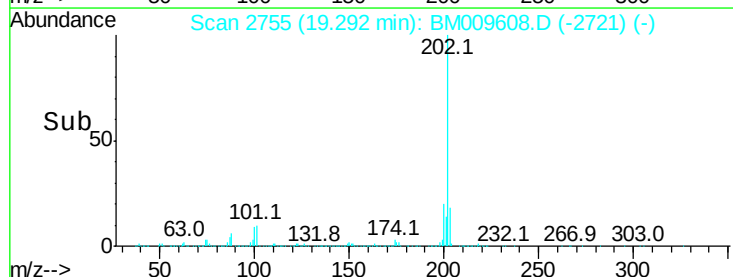
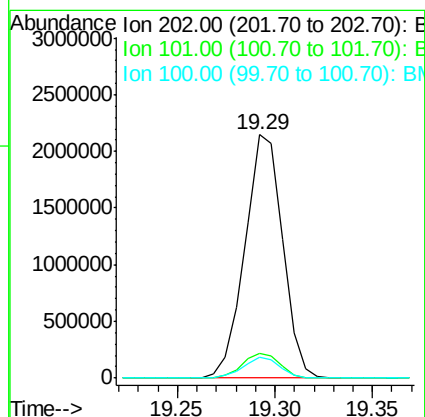
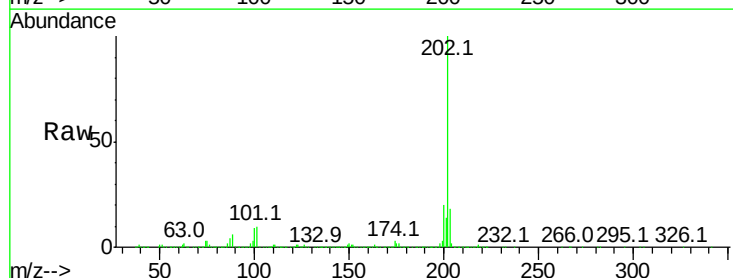
Instrument :
 BNA_M
 ClientSampleId :
 CB349

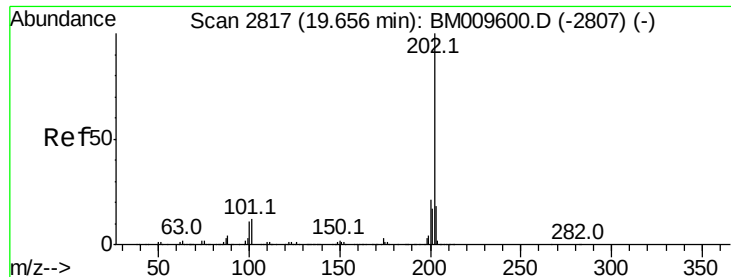
Tot Ion:178 Resp: 351107
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.7 19.1
 176 18.1 15.8 23.8



#17
 Fluoranthene
 Concen: 49.48 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009608.D
 Acq: 06 Apr 2017 23:47

Tgt Ion:202 Resp: 2877563
 Ion Ratio Lower Upper
 202 100
 101 10.0 9.8 14.8
 100 8.8 7.5 11.3

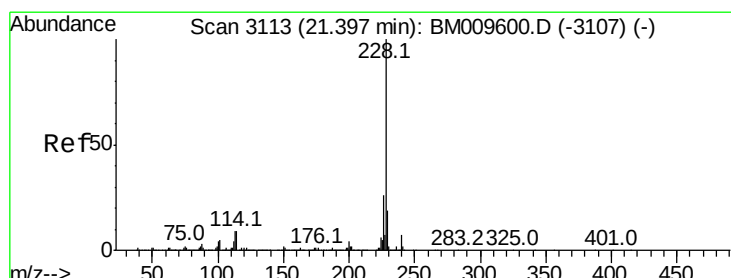
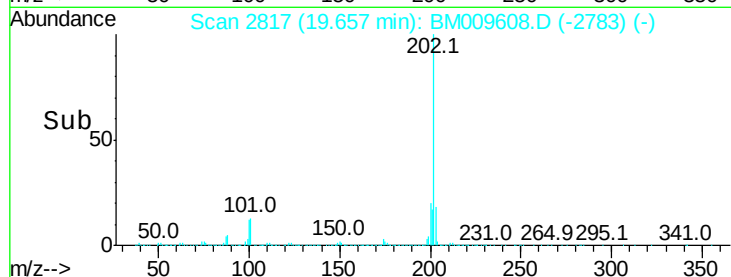
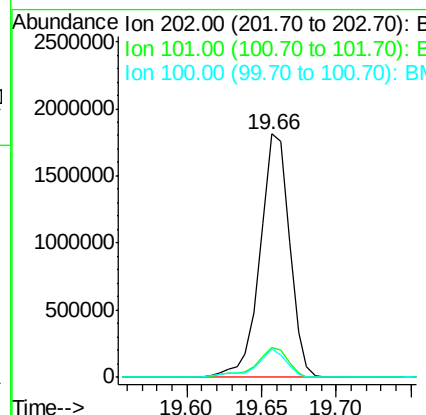
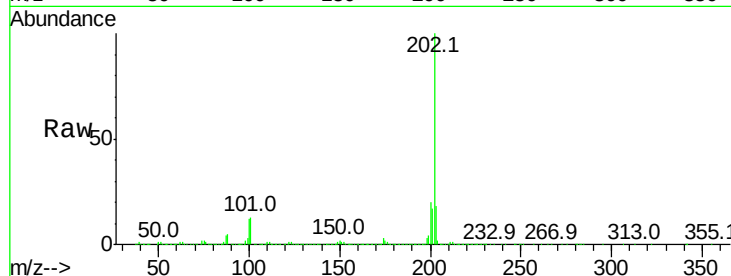




#20
Pvrene
Concen: 41.58 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

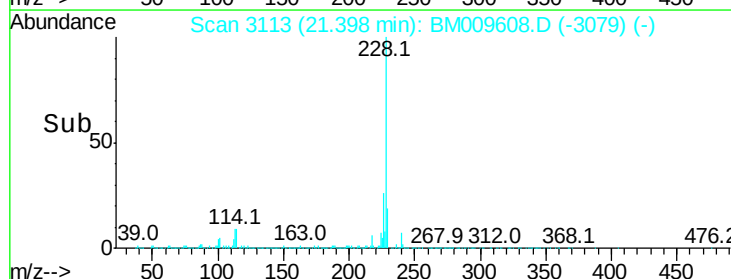
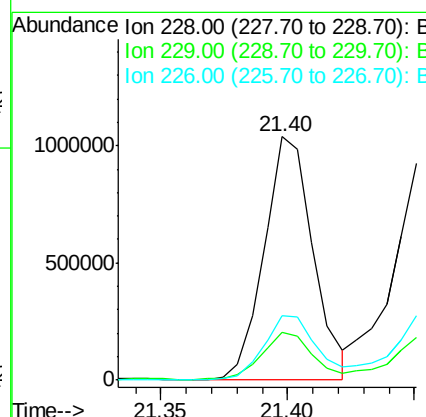
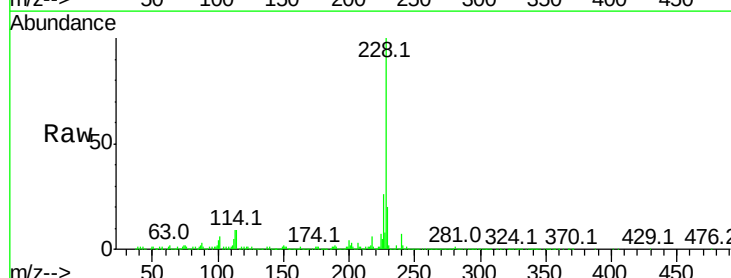
Instrument :
BNA_M
ClientSampleId :
CB349

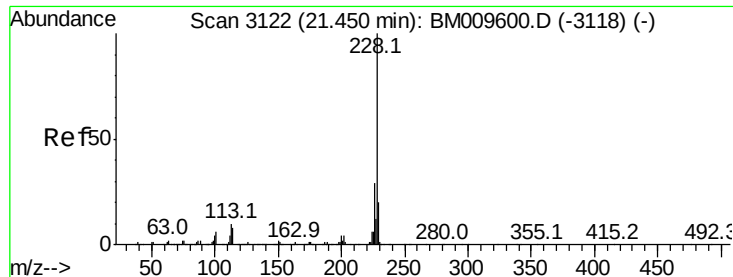
Tot Ion:202 Resp: 2463749
Ion Ratio Lower Upper
202 100
101 12.5 11.2 16.8
100 11.6 9.8 14.6



#21
Benzo(a)anthracene
Concen: 22.75 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009608.D
Acq: 06 Apr 2017 23:47

Tgt Ion:228 Resp: 1399648
Ion Ratio Lower Upper
228 100
229 19.7 15.9 23.9
226 26.4 22.1 33.1





#22

Chrysene

Concen: 22.58 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

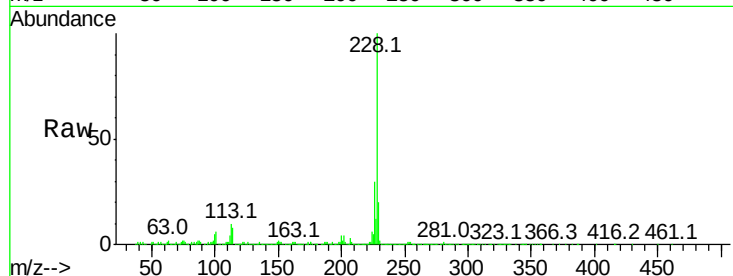
BNA_M

ClientSampleId :

CB349

Tot Ion:228 Resp: 1273428

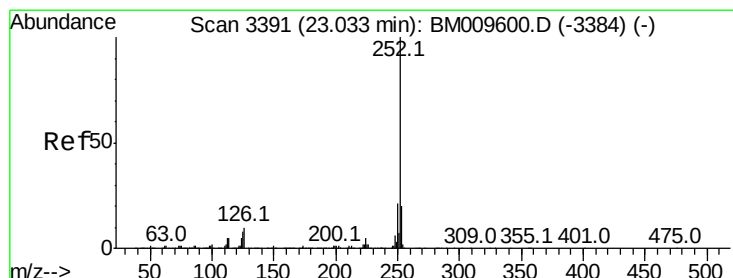
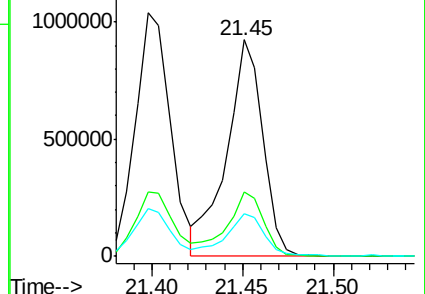
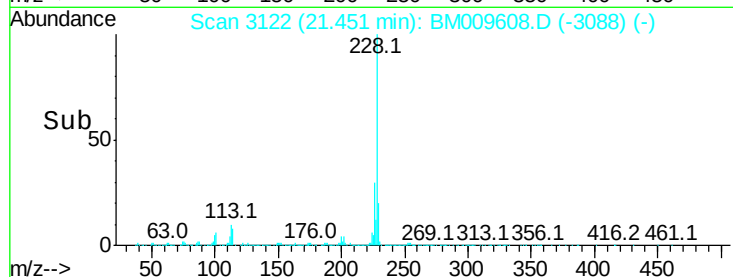
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	19.7	16.6	25.0



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: 26.98 ng/ul

RT: 23.04 min Scan# 3392

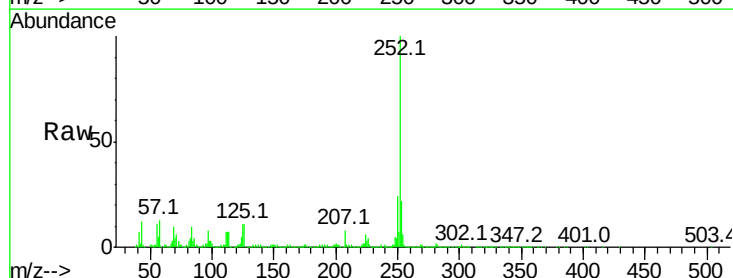
Delta R.T. 0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Tgt Ion:252 Resp: 1714073

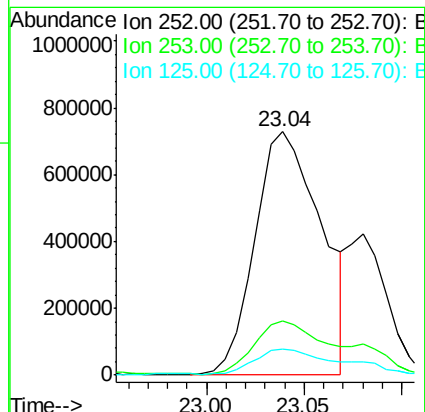
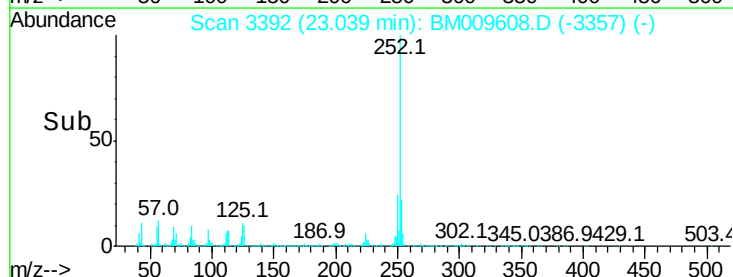
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.8	9.4	14.0

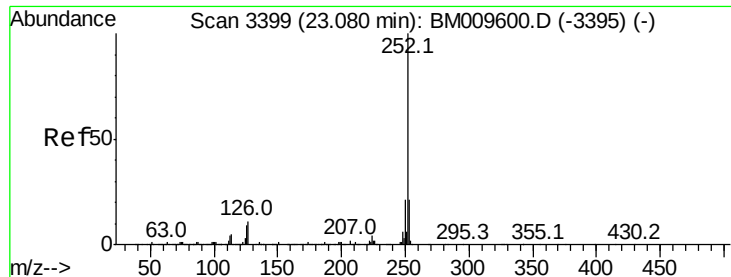


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 9.32 ng/ul

RT: 23.08 min Scan# 3399

Delta R.T. 0.00 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

ClientSampled :

CB349

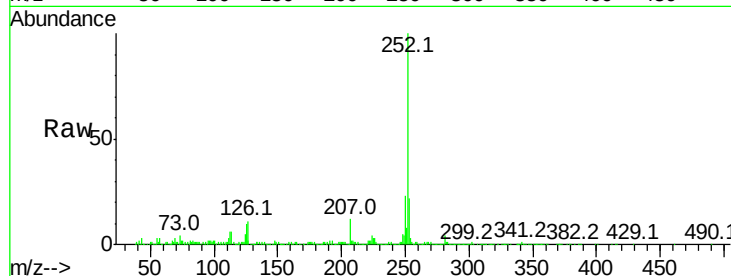
Tot Ion:252 Resp: 564355

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

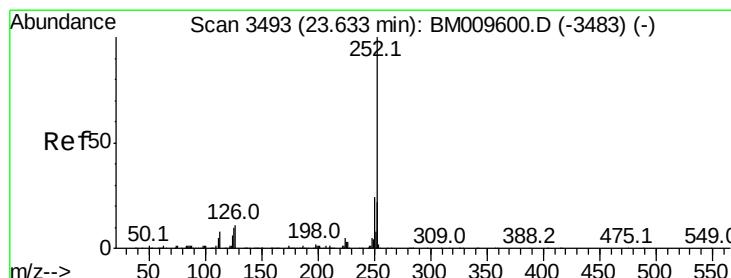
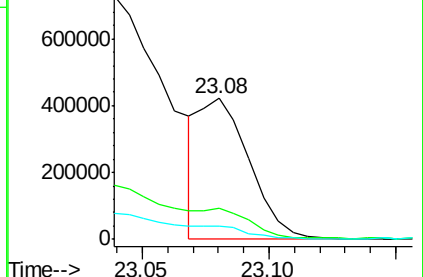
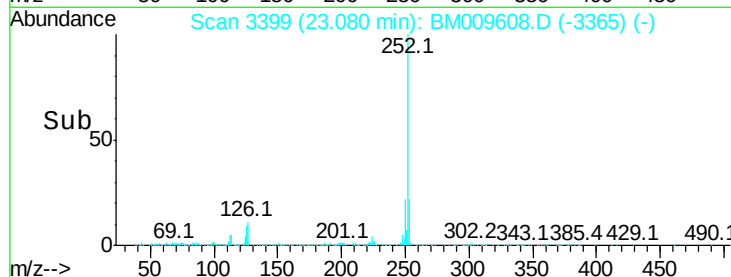
125 9.8 8.8 13.2



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: 13.06 ng/ul

RT: 23.54 min Scan# 3477

Delta R.T. -0.09 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

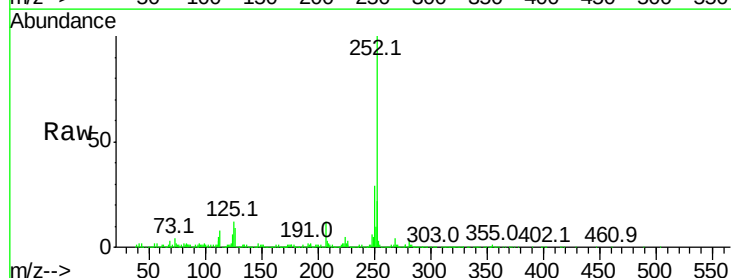
Tgt Ion:252 Resp: 788798

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

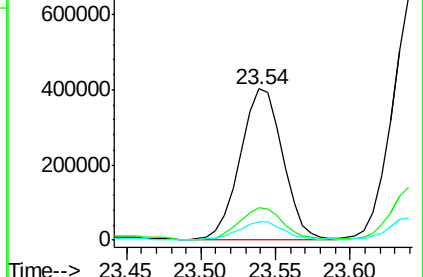
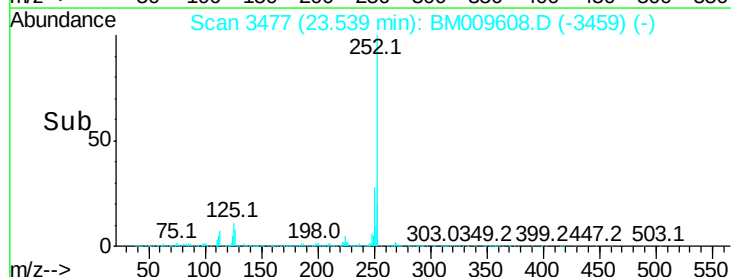
125 12.4 9.4 14.2

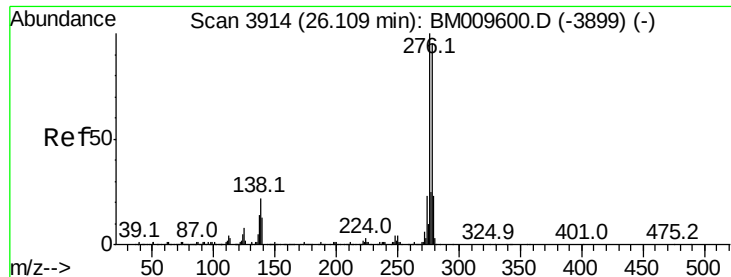


Abundance Ion 252.00 (251.70 to 252.70): E

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: 11.96 ng/ul

RT: 26.10 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

ClientSampleId :

CB349

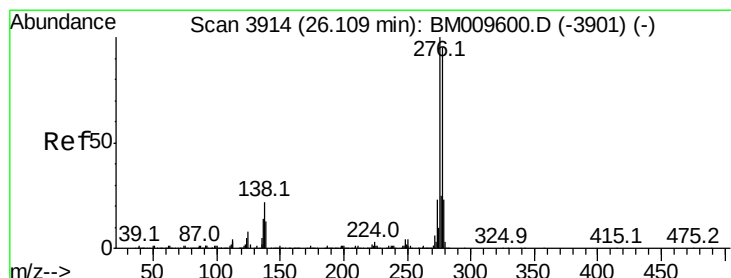
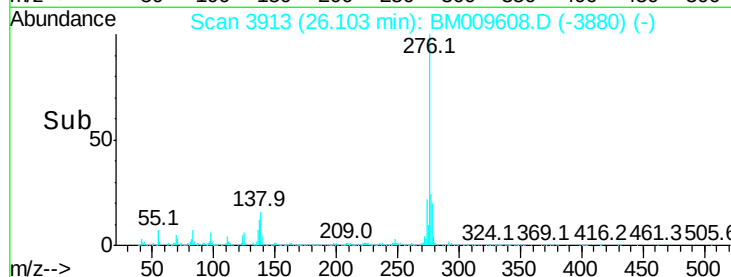
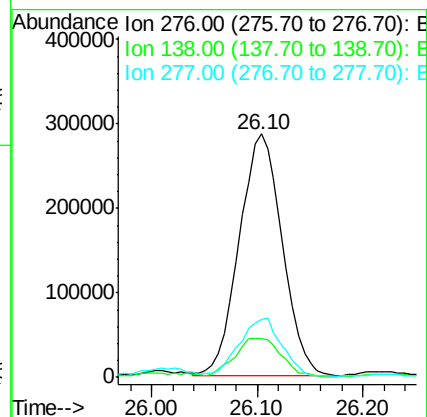
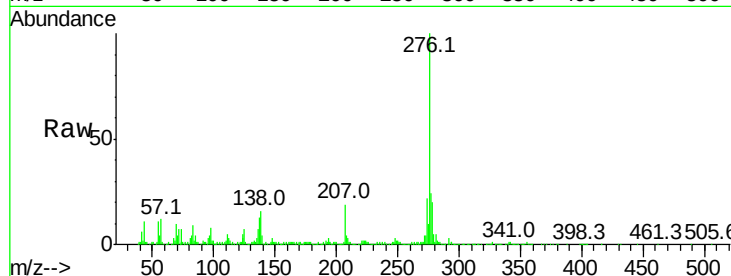
Tot Ion:276 Resp: 809638

Ion Ratio Lower Upper

276 100

138 15.9 17.8 26.6#

277 23.9 19.4 29.0



#29

Dibenzo(a,h)anthracene

Concen: 3.57 ng/ul

RT: 26.10 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

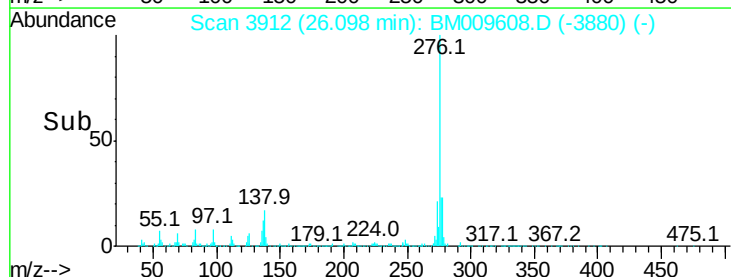
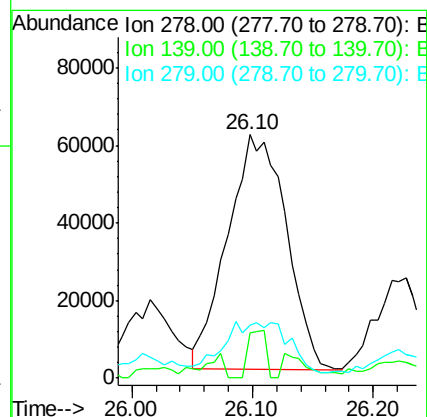
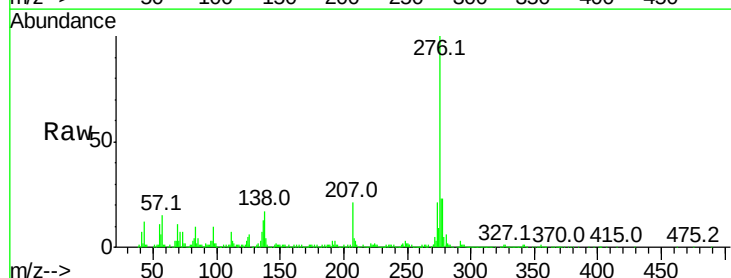
Tgt Ion:278 Resp: 205575

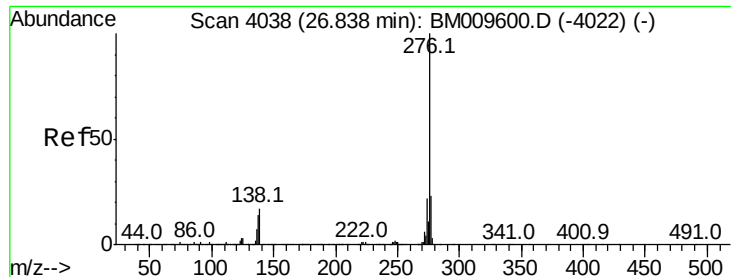
Ion Ratio Lower Upper

278 100

139 18.8 14.0 21.0

279 21.5 20.6 31.0





#30

Benzo(a,h,i)perylene

Concen: 12.74 ng/ul

RT: 26.83 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BM009608.D

Acq: 06 Apr 2017 23:47

Instrument :

BNA_M

ClientSampleId :

CB349

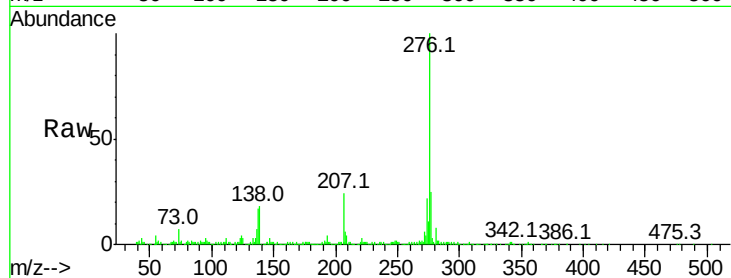
Tot Ion:276 Resp: 711321

Ion Ratio Lower Upper

276 100

138 17.9 19.0 28.4#

277 24.7 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

