

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092916\
 Data File : BM007624.D
 Acq On : 29 Sep 2016 13:23
 Operator : UM/SJ
 Sample : H4955-21
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4VM9

Quant Time: Sep 29 14:55:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 04:00:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	1301	0.40	ng/ul	0.00
2) Naphthalene-d8	10.57	136	4839	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.42	164	3546	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.16	188	7957	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	7229	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	5291	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.19	152	2046	0.36	ng/ul	0.02
14) Fluoranthene-d10	19.19	212	6986	0.38	ng/ul	0.00

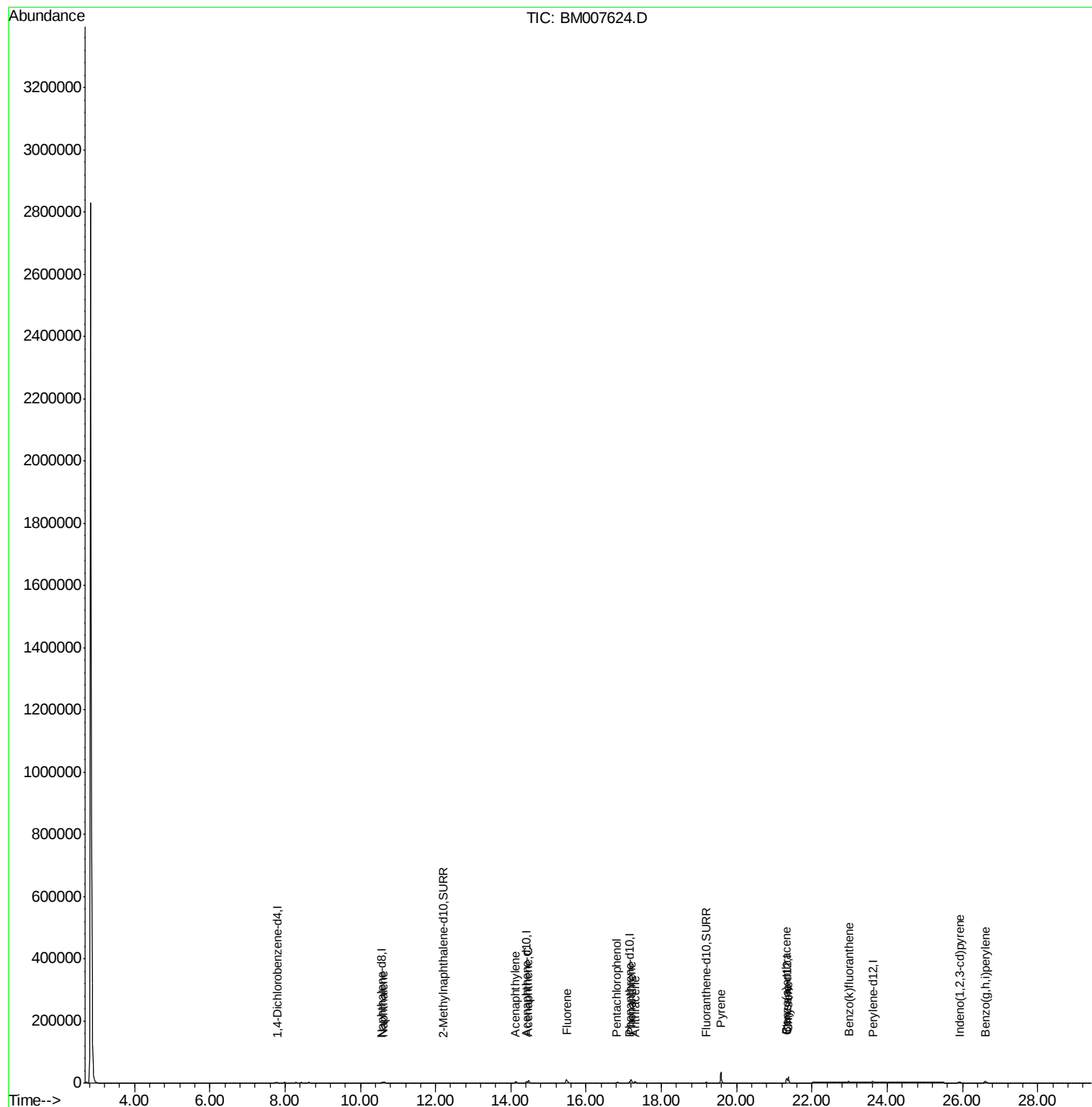
Target Compounds				Qvalue		
3) Naphthalene	10.62	128	10186	0.90	ng/ul	98
7) Acenaphthylene	14.13	152	10268	0.68	ng/ul	95
8) Acenaphthene	14.47	153	8284	0.71	ng/ul	89
9) Fluorene	15.48	166	12321	0.86	ng/ul	98
11) Pentachlorophenol	16.82	266	4647	2.14	ng/ul	97
12) Phenanthrene	17.19	178	16537	0.77	ng/ul	96
13) Anthracene	17.30	178	9099	0.47	ng/ul	97
17) Pyrene	19.58	202	41969	1.76	ng/ul	99
18) Benzo(a)anthracene	21.32	228	14389	0.67	ng/ul	97
19) Chrysene	21.38	228	24005	1.05	ng/ul	95
22) Benzo(k)fluoranthene	22.97	252	9310	0.52	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.91	276	12352	0.73	ng/ul#	93
26) Benzo(g,h,i)perylene	26.60	276	14306	0.94	ng/ul	97

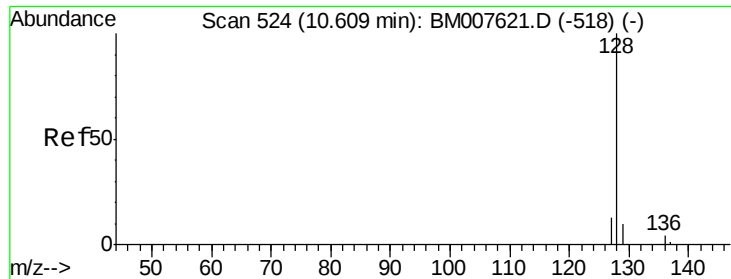
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 23 04:00:23 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.90 ng/ul

RT: 10.62 min Scan# 525

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

Instrument :

BNA_M

ClientSampleId :

A4VM9

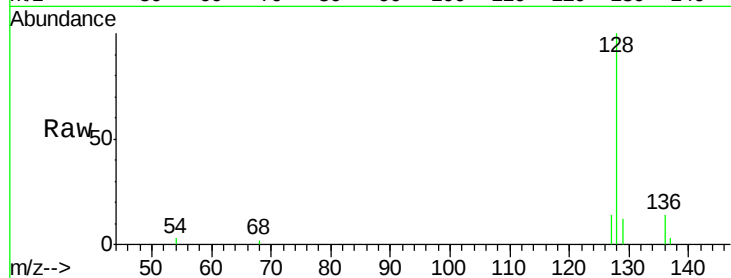
Tgt Ion:128 Resp: 10186

Ion Ratio Lower Upper

128 100

129 12.2 10.7 16.1

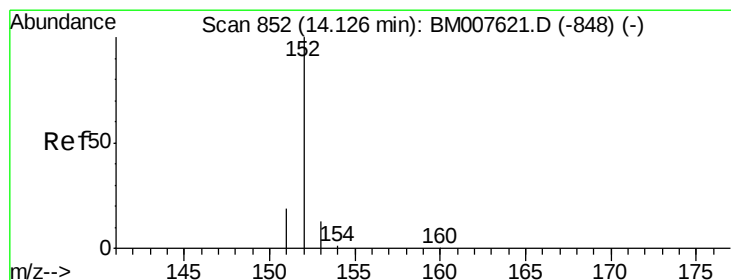
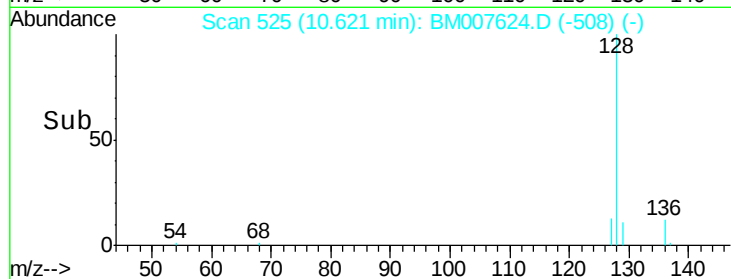
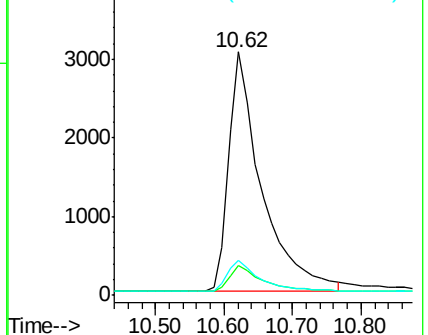
127 14.2 11.3 16.9



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



#7

Acenaphthylene

Concen: 0.68 ng/ul

RT: 14.13 min Scan# 852

Delta R.T. -0.02 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

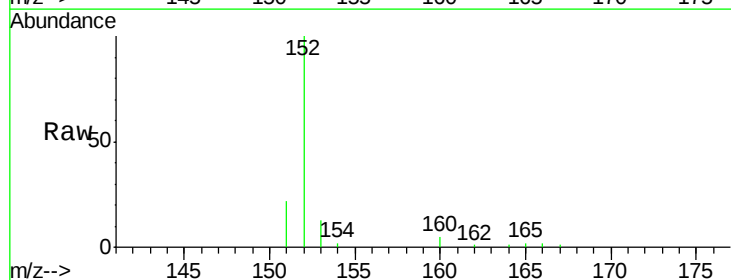
Tgt Ion:152 Resp: 10268

Ion Ratio Lower Upper

152 100

151 22.3 15.8 23.8

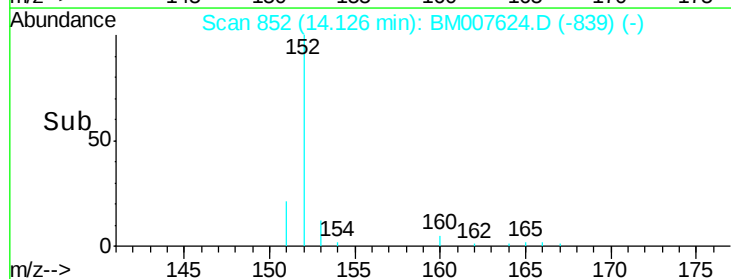
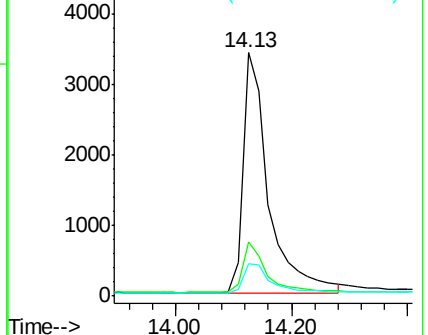
153 13.3 12.2 18.2

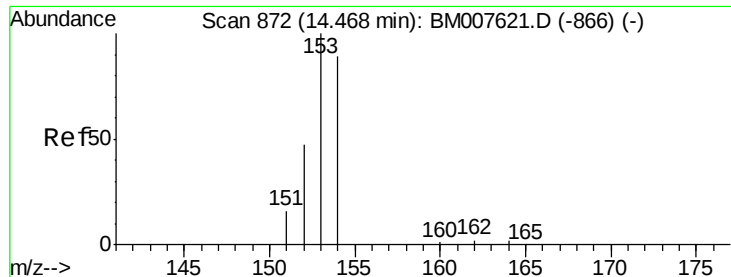


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.71 ng/ul

RT: 14.47 min Scan# 872

Delta R.T. -0.02 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

Instrument :

BNA_M

ClientSampleId :

A4VM9

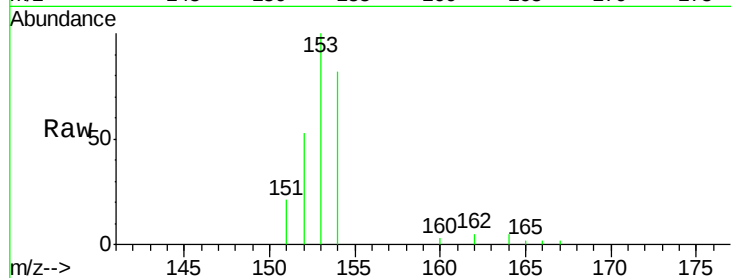
Tgt Ion:153 Resp: 8284

Ion Ratio Lower Upper

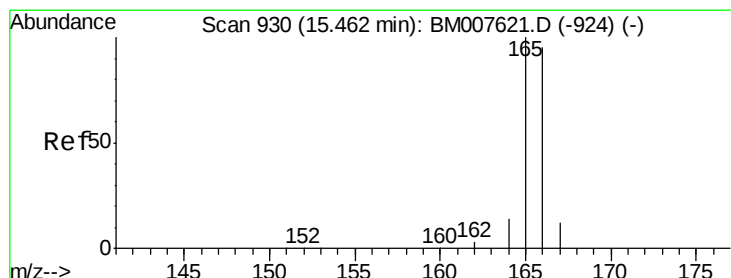
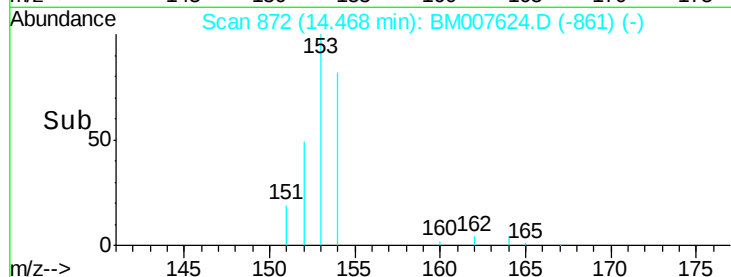
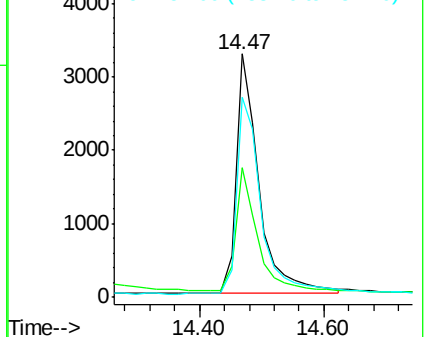
153 100

152 53.1 37.6 56.4

154 82.1 74.6 112.0



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



#9

Fluorene

Concen: 0.86 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

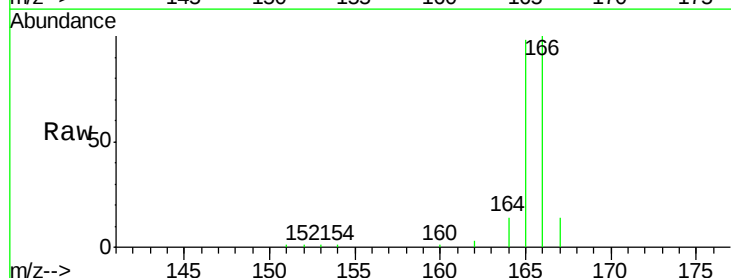
Tgt Ion:166 Resp: 12321

Ion Ratio Lower Upper

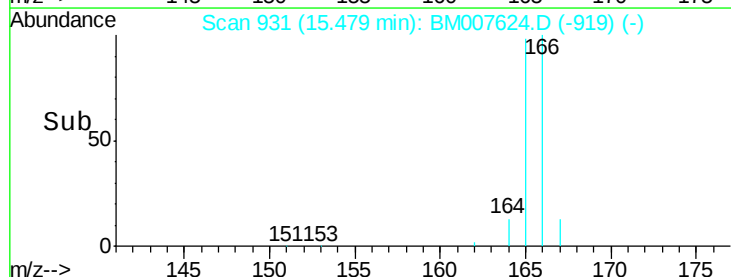
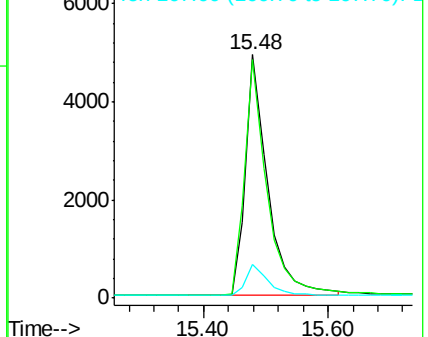
166 100

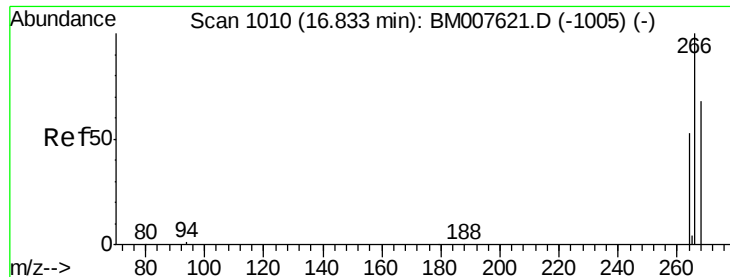
165 98.1 79.8 119.8

167 13.9 11.5 17.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

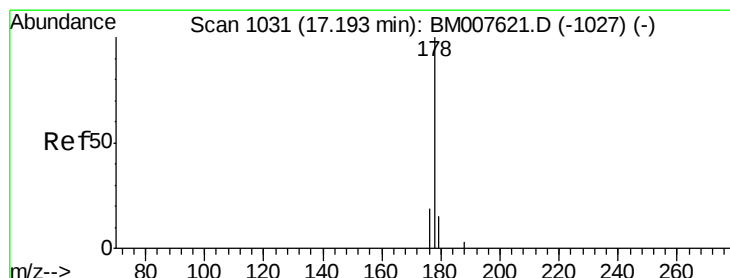
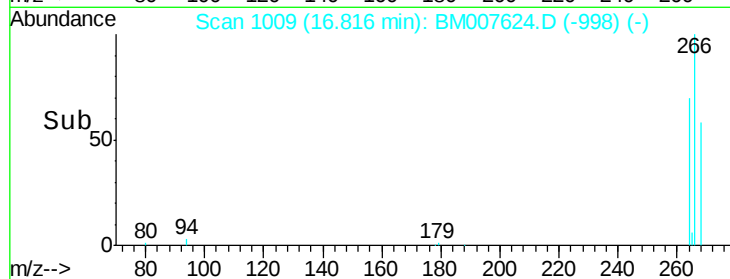
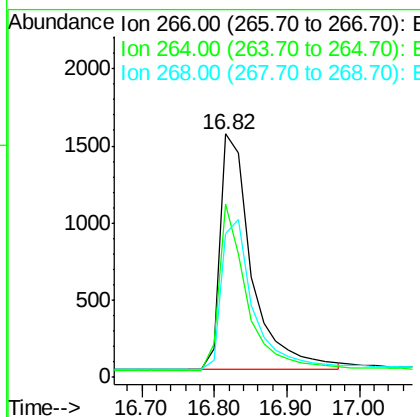
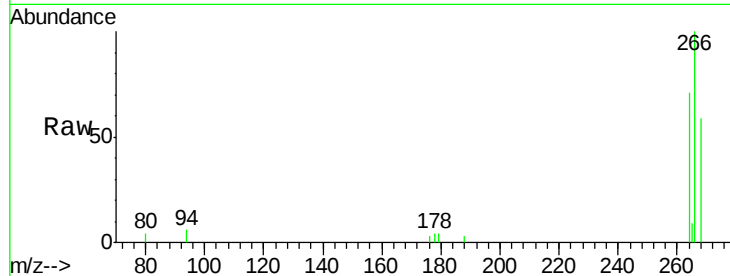




#11
 Pentachlorophenol
 Concen: 2.14 ng/ul
 RT: 16.82 min Scan# 1009
 Delta R.T. -0.02 min
 Lab File: BM007624.D
 Acq: 29 Sep 2016 13:23

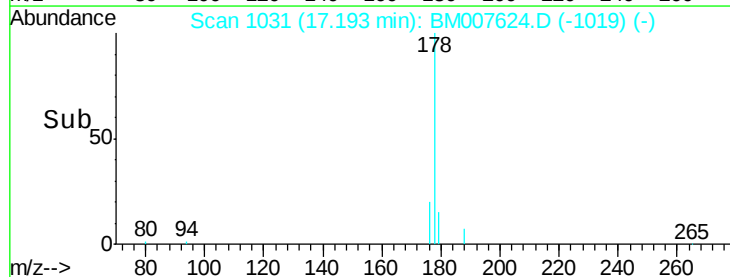
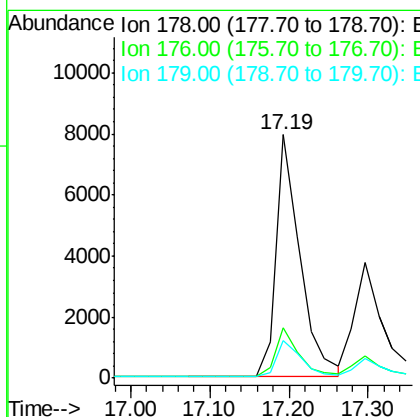
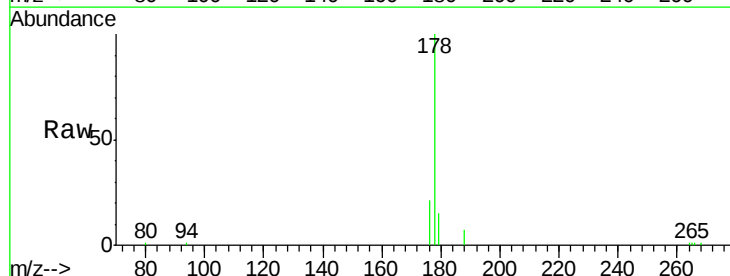
Instrument :
 BNA_M
 ClientSampleId :
 A4VM9

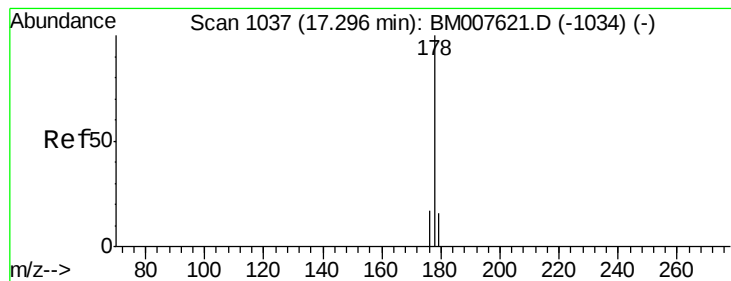
Tgt Ion: 266 Resp: 4647
 Ion Ratio Lower Upper
 266 100
 264 62.3 51.4 77.2
 268 64.1 52.9 79.3



#12
 Phenanthrene
 Concen: 0.77 ng/ul
 RT: 17.19 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BM007624.D
 Acq: 29 Sep 2016 13:23

Tgt Ion: 178 Resp: 16537
 Ion Ratio Lower Upper
 178 100
 176 20.5 14.9 22.3
 179 15.2 13.7 20.5





#13

Anthracene

Concen: 0.47 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

Instrument :

BNA_M

ClientSampleId :

A4VM9

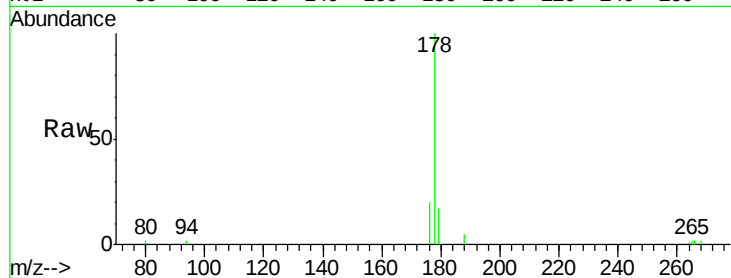
Tgt Ion:178 Resp: 9099

Ion Ratio Lower Upper

178 100

176 19.6 16.6 24.8

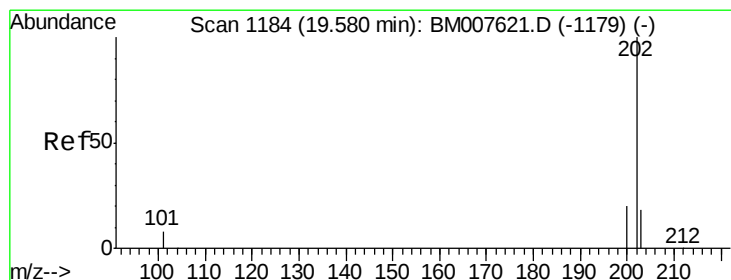
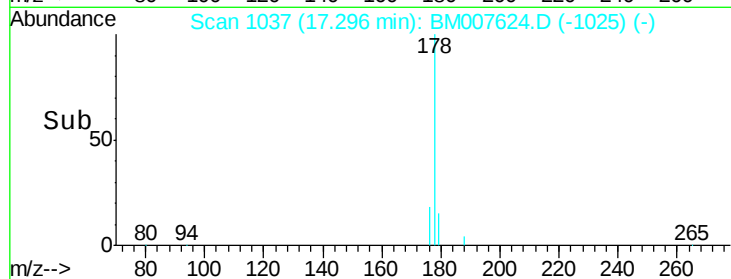
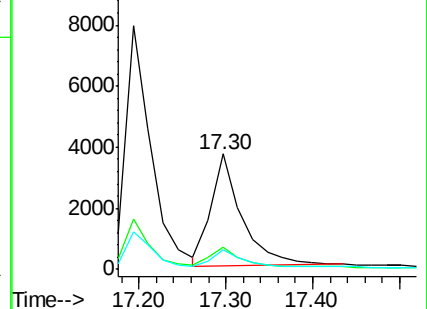
179 16.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Pyrene

Concen: 1.76 ng/ul

RT: 19.58 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

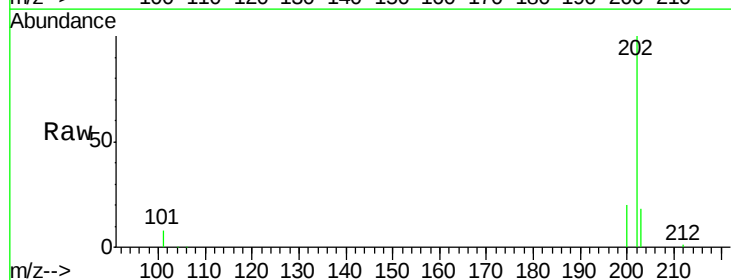
Tgt Ion:202 Resp: 41969

Ion Ratio Lower Upper

202 100

200 19.5 15.9 23.9

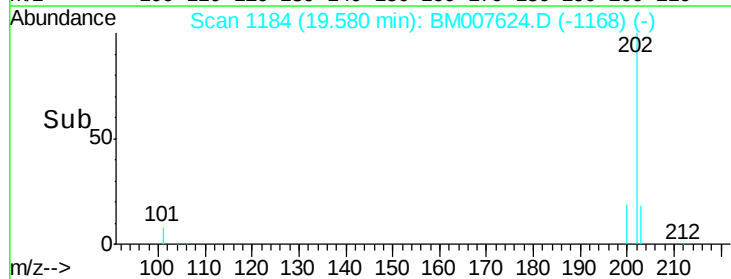
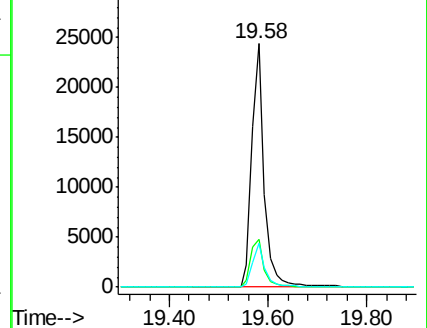
203 18.0 15.0 22.4

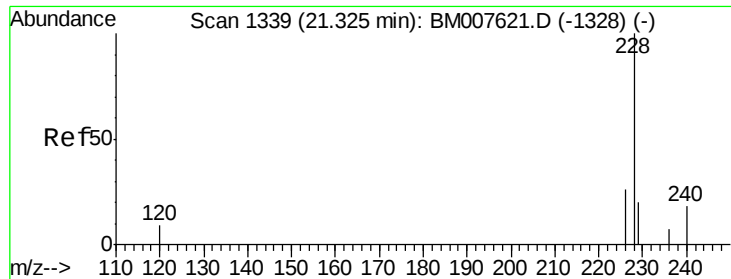


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.67 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

Instrument :

BNA_M

ClientSampleId :

A4VM9

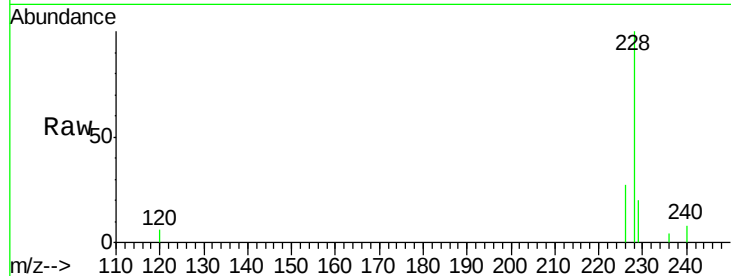
Tgt Ion:228 Resp: 14389

Ion Ratio Lower Upper

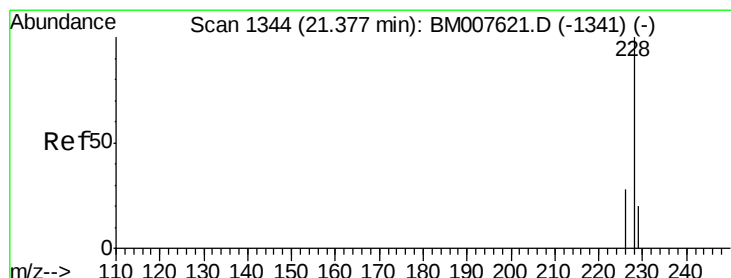
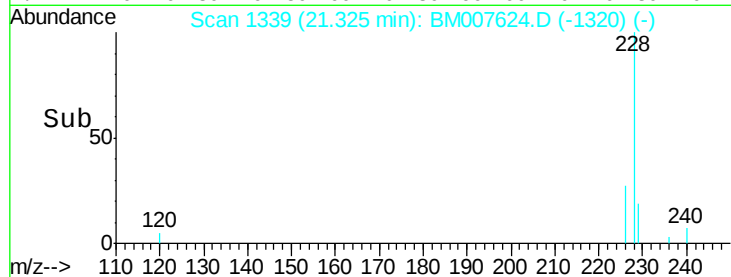
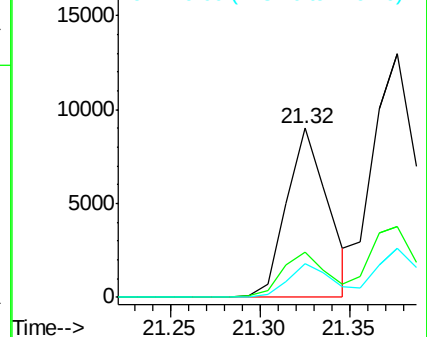
228 100

226 27.1 20.2 30.4

229 19.6 16.7 25.1



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



#19

Chrysene

Concen: 1.05 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

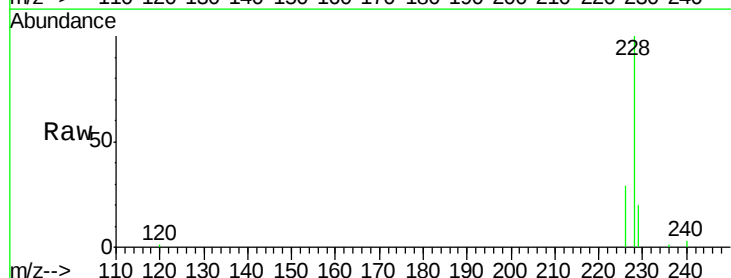
Tgt Ion:228 Resp: 24005

Ion Ratio Lower Upper

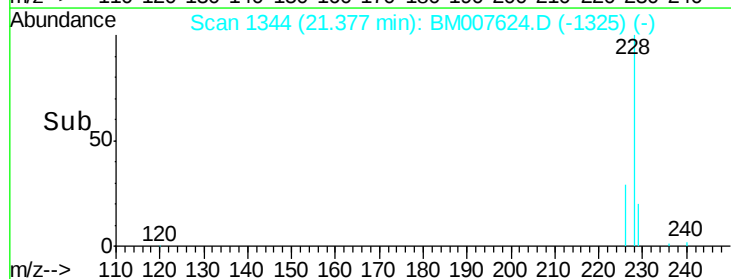
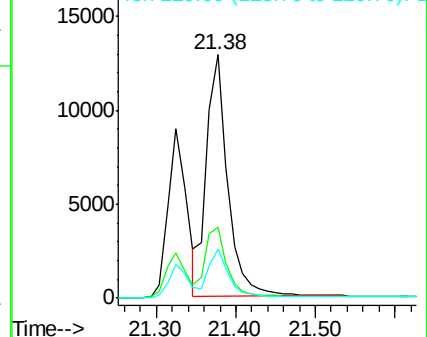
228 100

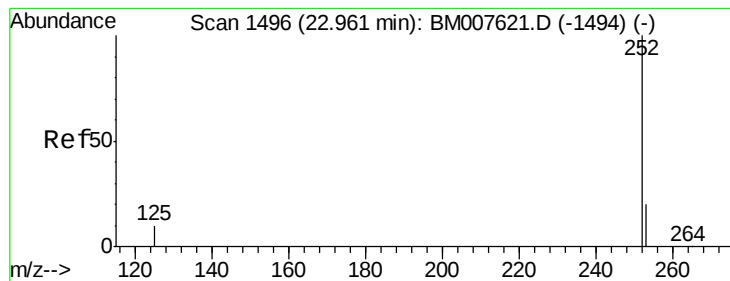
226 29.0 25.9 38.9

229 20.3 14.7 22.1



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





#22

Benzo(k)fluoranthene

Concen: 0.52 ng/ul

RT: 22.97 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

Instrument :

BNA_M

ClientSampled :

A4VM9

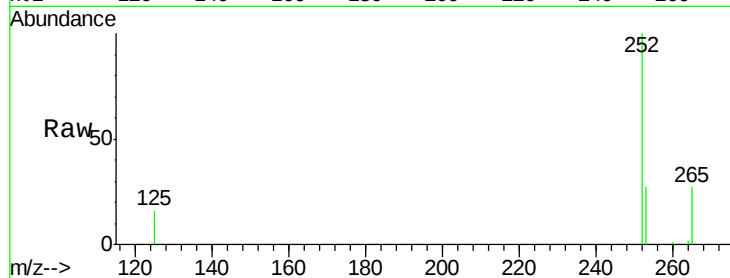
Tgt Ion:252 Resp: 9310

Ion Ratio Lower Upper

252 100

253 26.8 19.7 29.5

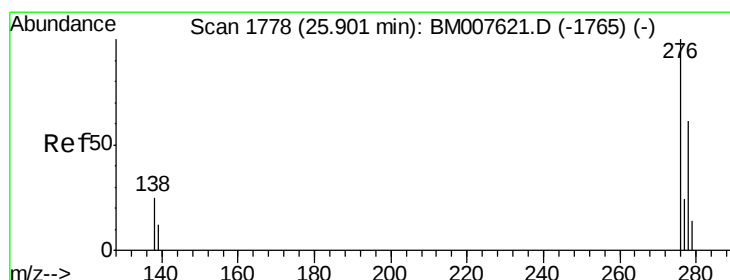
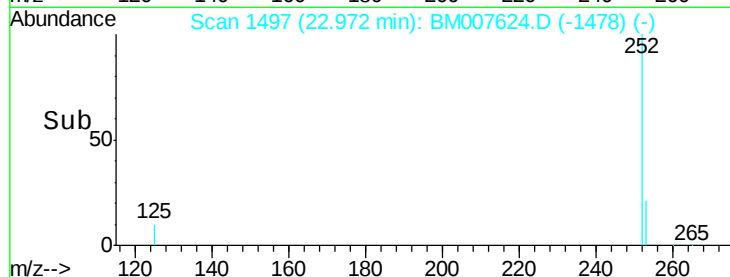
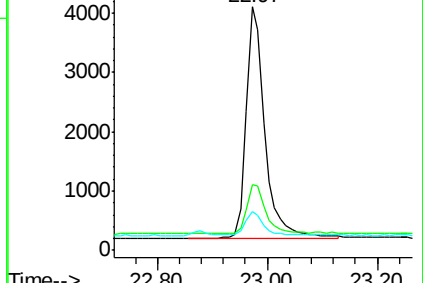
125 16.2 11.5 17.3



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.73 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007624.D

Acq: 29 Sep 2016 13:23

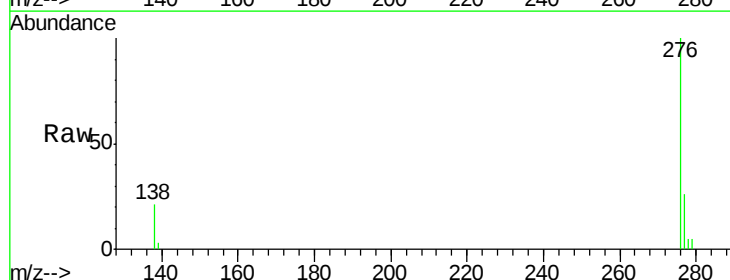
Tgt Ion:276 Resp: 12352

Ion Ratio Lower Upper

276 100

138 20.0 20.8 31.2#

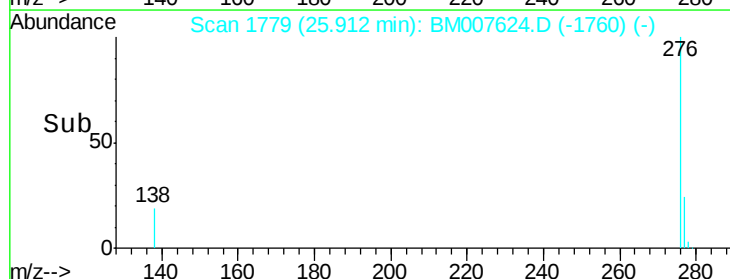
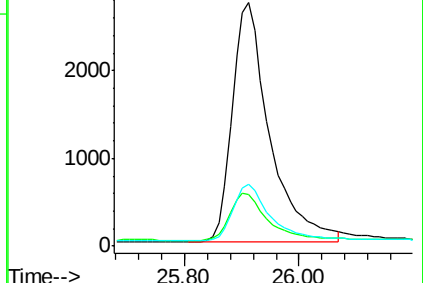
277 23.6 19.6 29.4

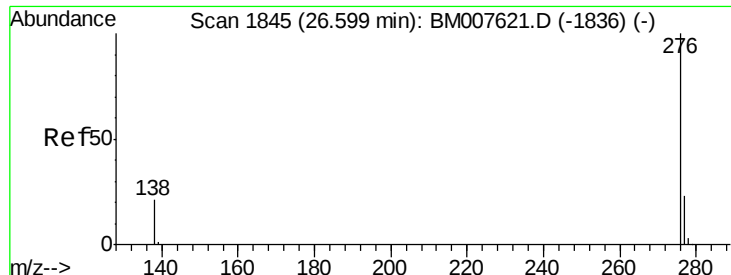


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.94 ng/ul

RT: 26.60 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM007624.D

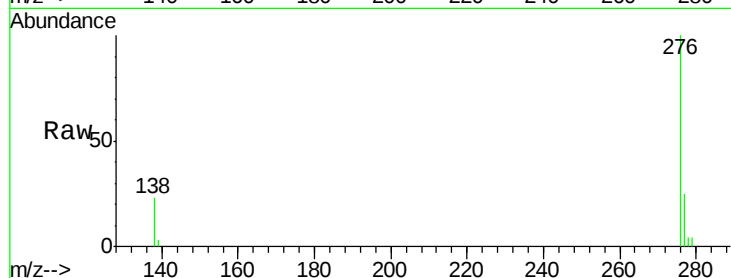
Acq: 29 Sep 2016 13:23

Instrument :

BNA_M

ClientSampleId :

A4VM9



Tgt Ion: 276 Resp: 14306

Ion Ratio Lower Upper

276 100

277 25.0 20.5 30.7

138 22.5 20.3 30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

