

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008069.D
 Acq On : 24 Nov 2016 12:06
 Operator : UM/SJ
 Sample : H5701-11MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD7MSD

Quant Time: Nov 25 01:29:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 25 01:27:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	688	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2392	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1501	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	105215	0.40	ng/ul	0.09
16) Chrysene-d12	21.28	240	3142	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	2898	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	596	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.22	212	77	0.00	ng/ul	0.08

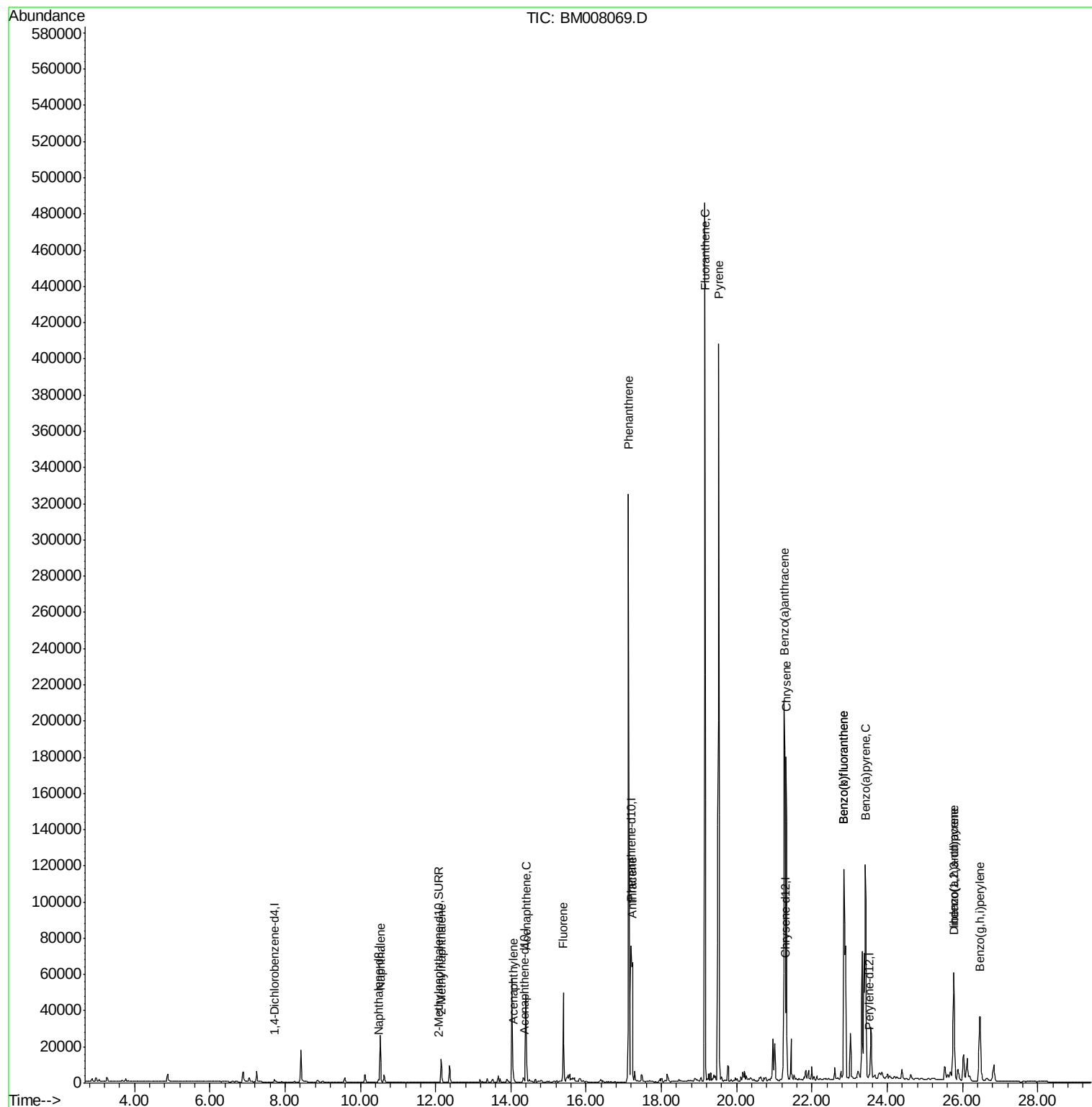
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	37901	5.67	ng/ul#	93
5) 2-Methylnaphthalene	12.15	142	9973	2.31	ng/ul	99
7) Acenaphthylene	14.06	152	6791	1.00	ng/ul	99
8) Acenaphthene	14.40	153	28703	5.55	ng/ul	97
9) Fluorene	15.39	166	34834	5.86	ng/ul#	86
12) Phenanthrene	17.12	178	369153	1.13	ng/ul	95
13) Anthracene	17.23	178	102858	0.33	ng/ul#	92
15) Fluoranthene	19.16	202	443567	1.05	ng/ul	93
17) Pyrene	19.52	202	377137	34.58	ng/ul	96
18) Benzo(a)anthracene	21.26	228	222390	23.06	ng/ul	96
19) Chrysene	21.31	228	168160	14.02	ng/ul	94
21) Benzo(b)fluoranthene	22.85	252	291309	25.19	ng/ul	81
22) Benzo(k)fluoranthene	22.85	252	291309	24.42	ng/ul#	82
23) Benzo(a)pyrene	23.42	252	161554	14.91	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.77	276	96868	7.23	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.78	278	26715	2.49	ng/ul#	90
26) Benzo(g,h,i)perylene	26.46	276	79868	6.72	ng/ul#	88

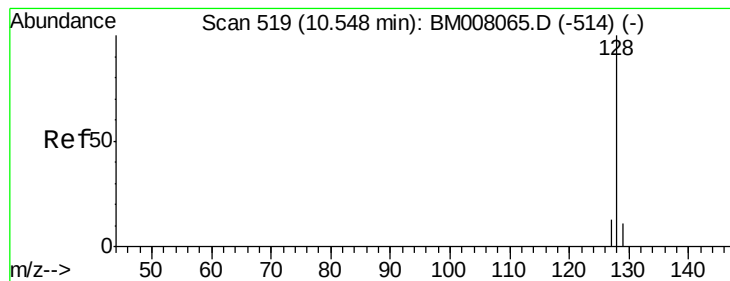
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.67 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

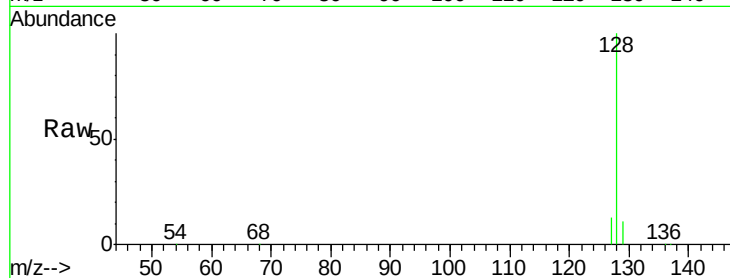
Tgt Ion:128 Resp: 37901

Ion Ratio Lower Upper

128 100

129 11.3 11.3 16.9

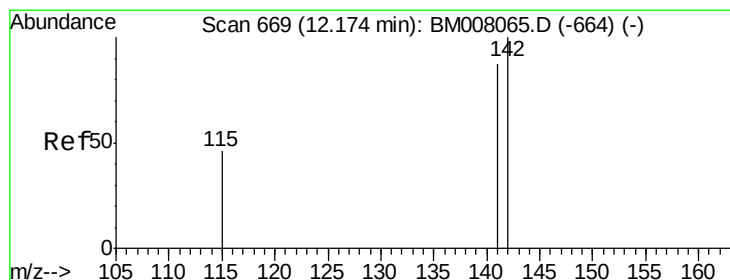
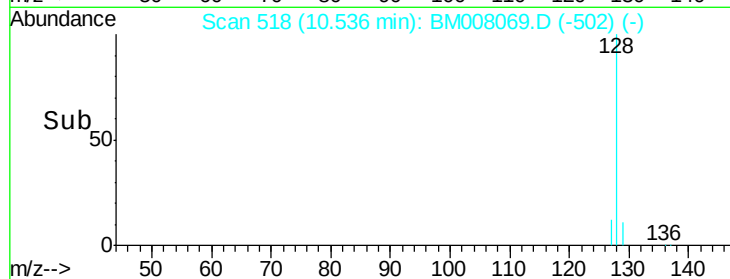
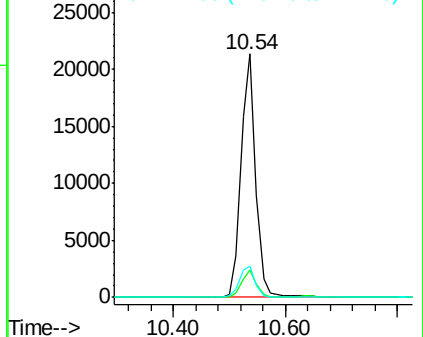
127 12.6 12.8 19.2#



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: 2.31 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. -0.02 min

Lab File: BM008069.D

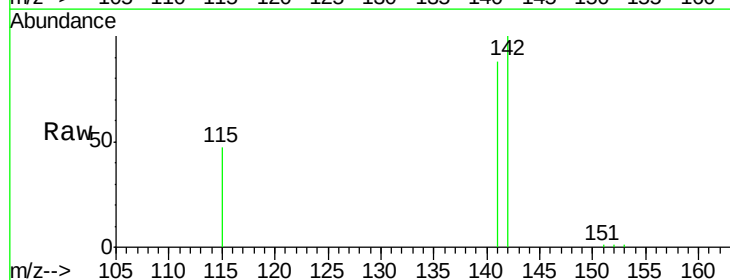
Acq: 24 Nov 2016 12:06

Tgt Ion:142 Resp: 9973

Ion Ratio Lower Upper

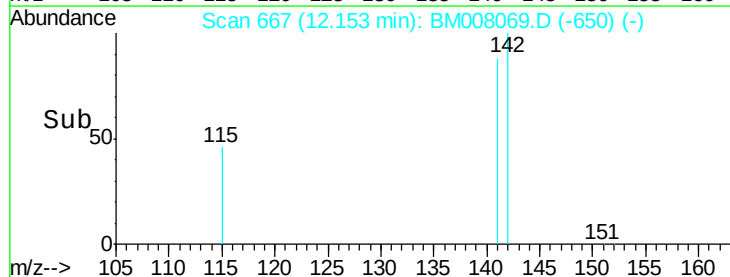
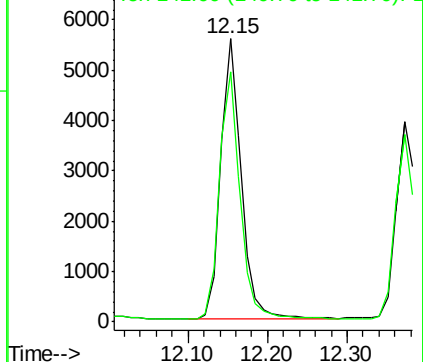
142 100

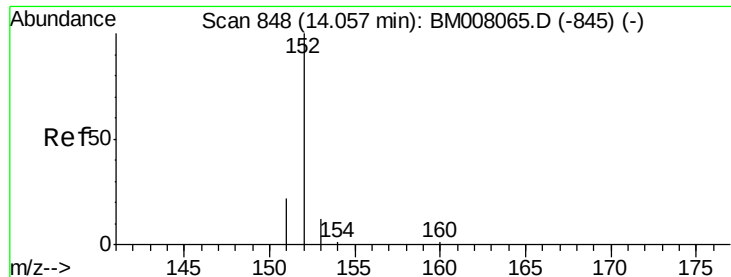
141 89.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.00 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

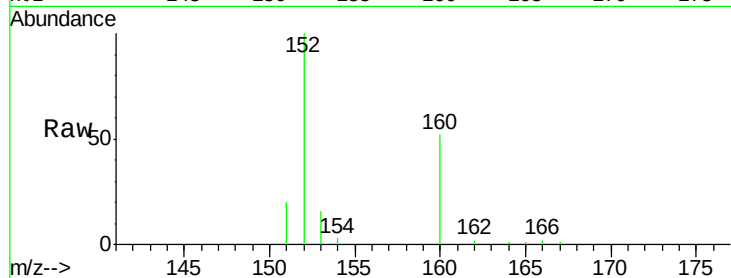
Tgt Ion:152 Resp: 6791

Ion Ratio Lower Upper

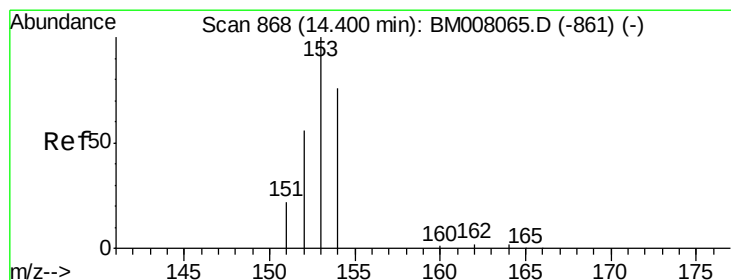
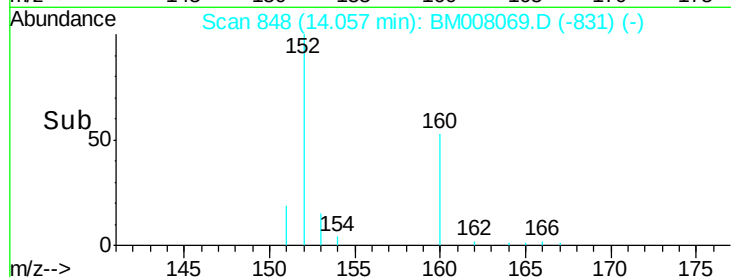
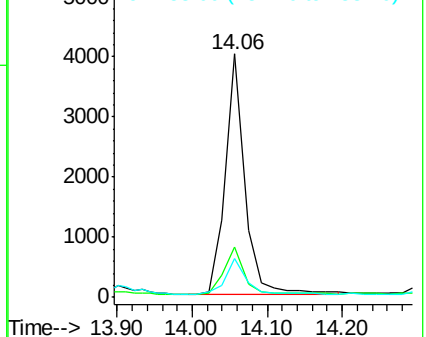
152 100

151 20.5 17.1 25.7

153 16.0 12.8 19.2



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: 5.55 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. 0.00 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

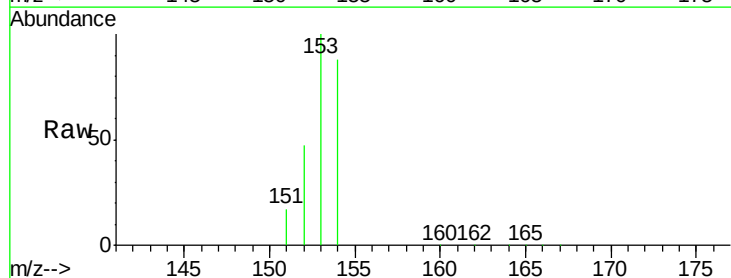
Tgt Ion:153 Resp: 28703

Ion Ratio Lower Upper

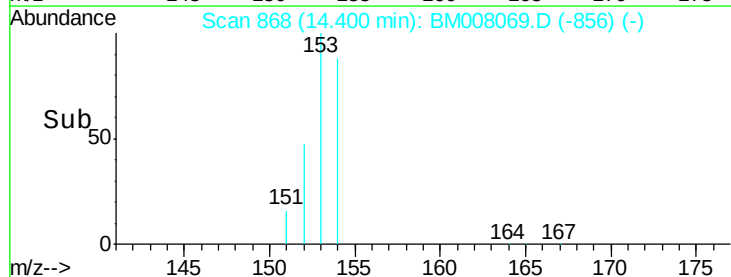
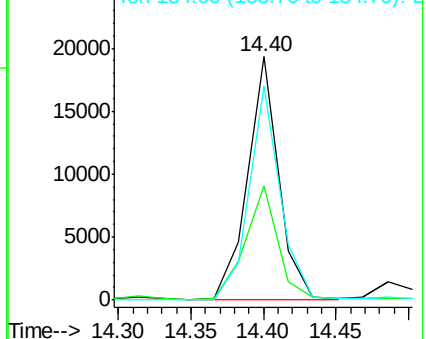
153 100

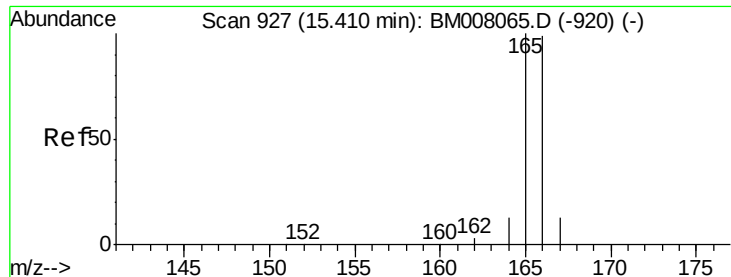
152 47.0 40.3 60.5

154 87.9 71.4 107.2



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: 5.86 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

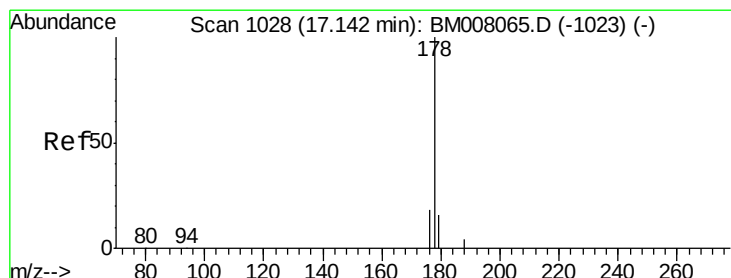
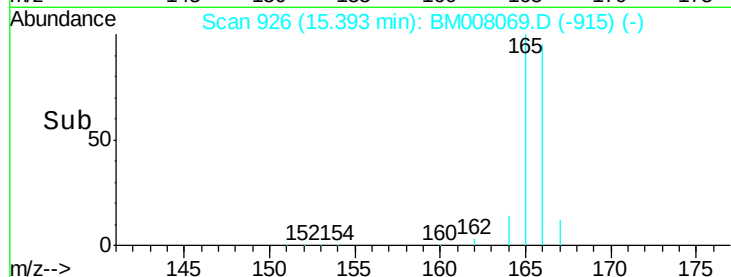
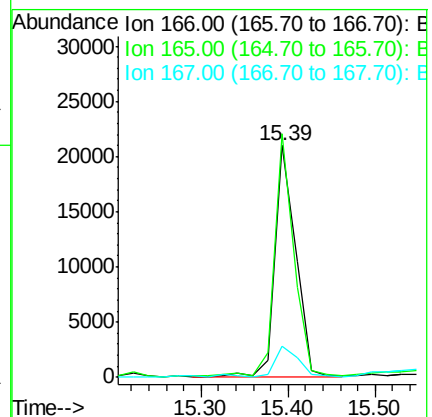
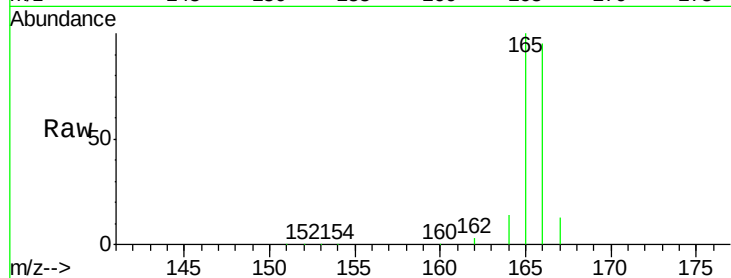
Tgt Ion:166 Resp: 34834

Ion Ratio Lower Upper

166 100

165 105.1 73.4 110.2

167 13.2 14.6 22.0#



#12

Phenanthrene

Concen: 1.13 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

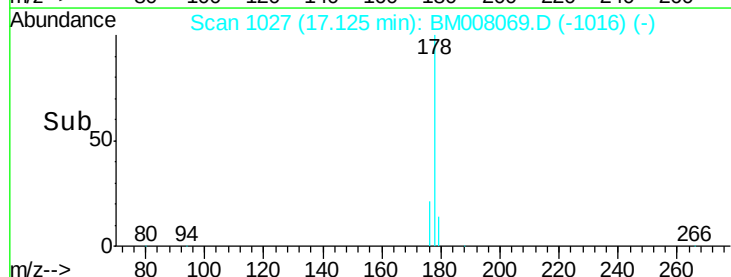
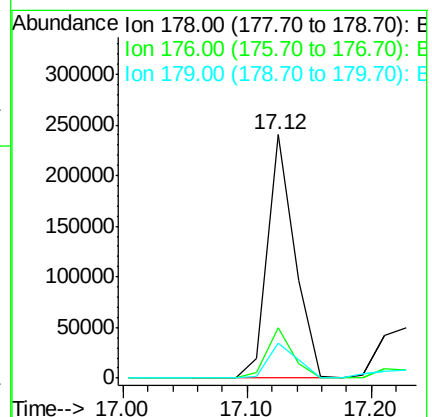
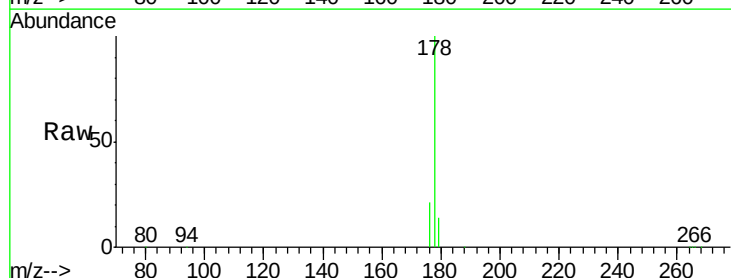
Tgt Ion:178 Resp: 369153

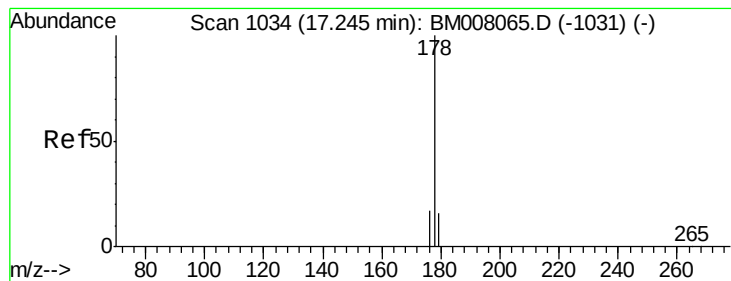
Ion Ratio Lower Upper

178 100

176 20.8 18.4 27.6

179 14.3 13.6 20.4





#13

Anthracene

Concen: 0.33 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

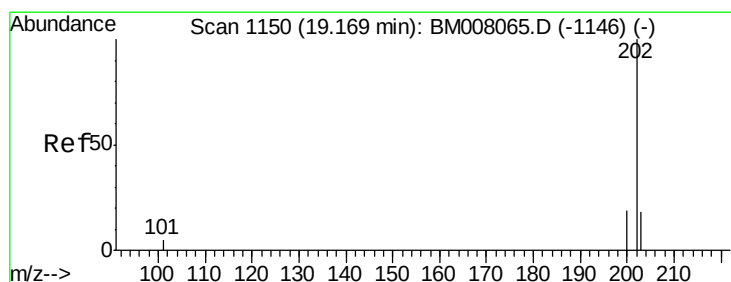
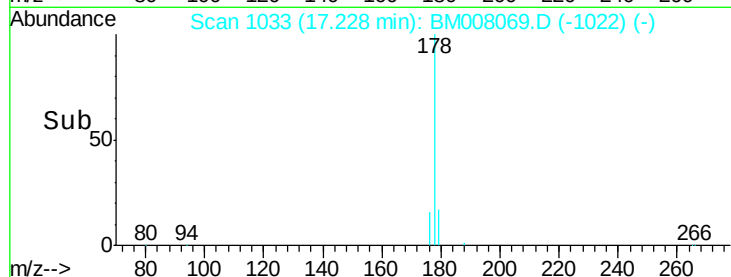
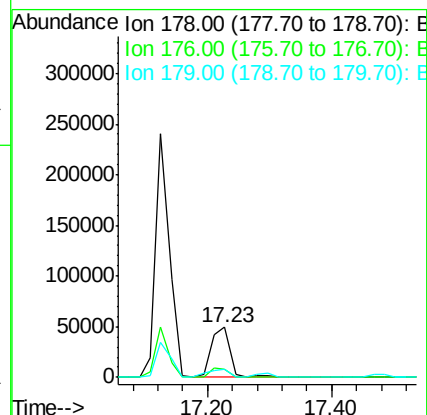
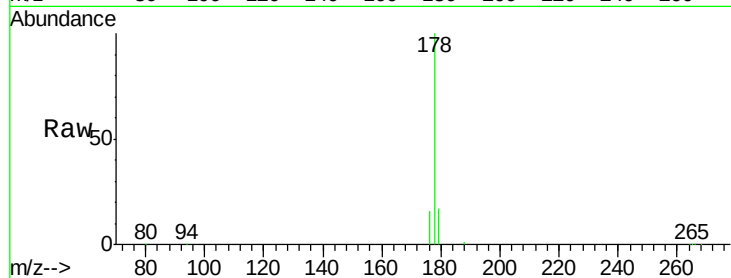
Tgt Ion:178 Resp: 102858

Ion Ratio Lower Upper

178 100

176 16.0 18.1 27.1#

179 17.5 14.7 22.1



#15

Fluoranthene

Concen: 1.05 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

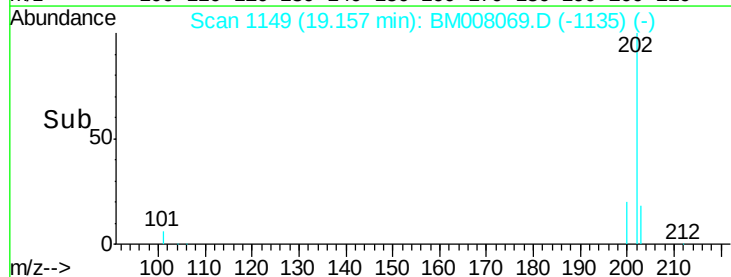
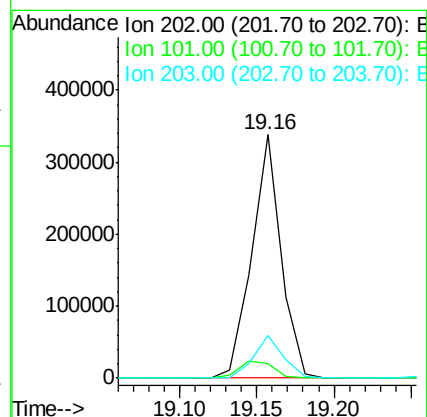
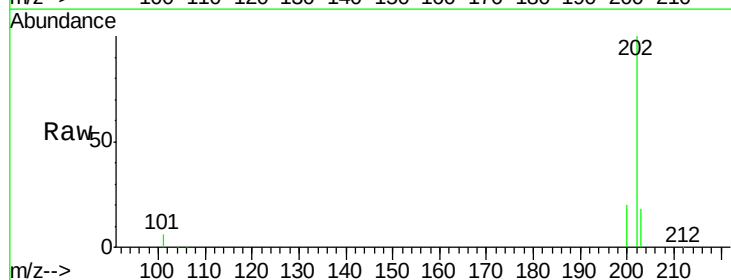
Tgt Ion:202 Resp: 443567

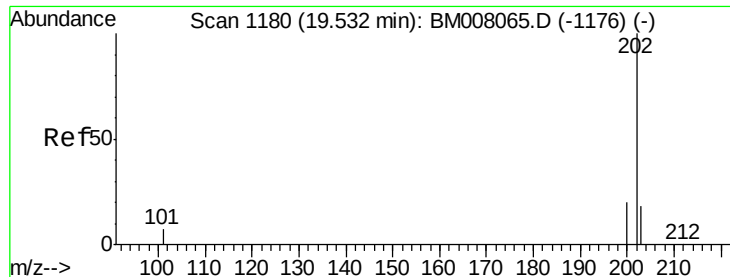
Ion Ratio Lower Upper

202 100

101 5.9 0.0 30.3

203 17.5 0.0 39.5

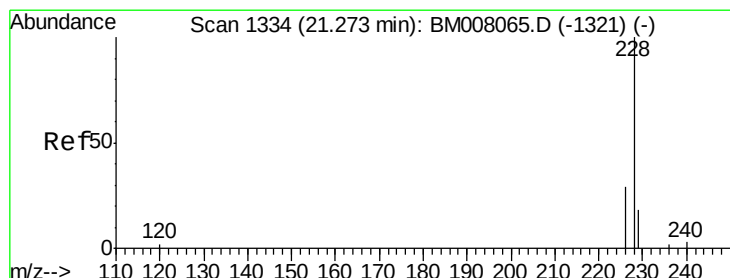
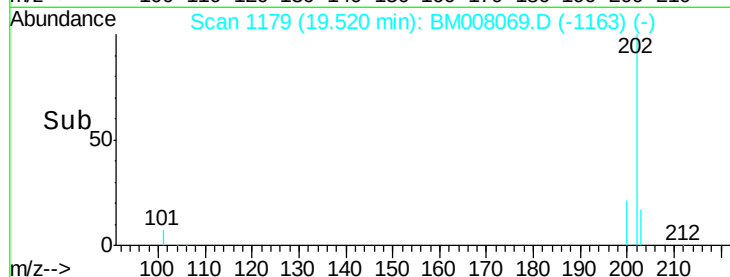
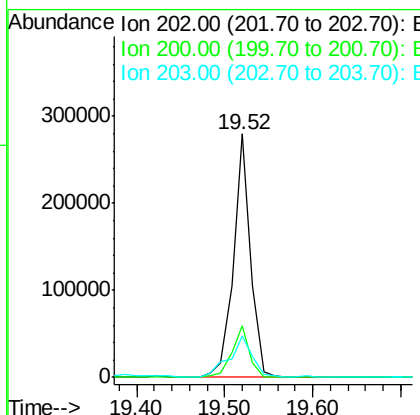
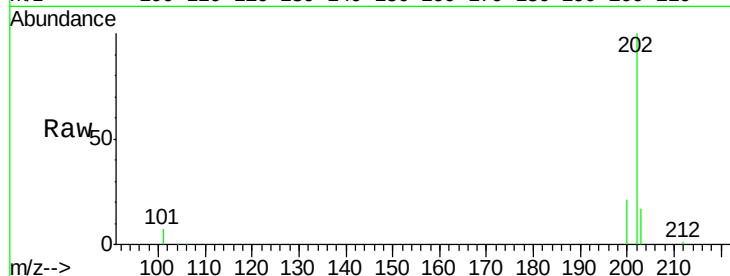




#17
 Pyrene
 Concen: 34.58 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BM008069.D
 Acq: 24 Nov 2016 12:06

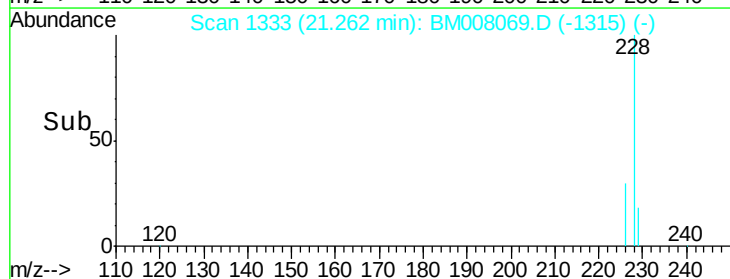
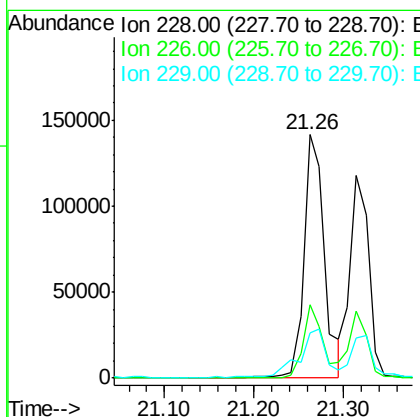
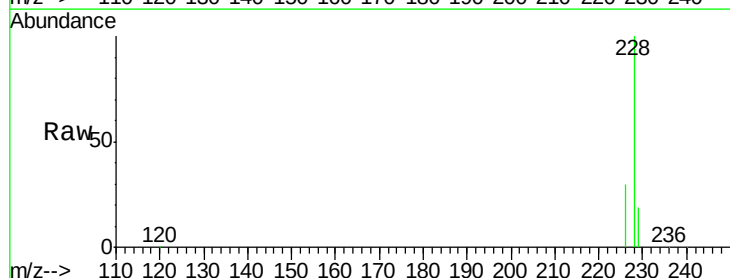
Instrument :
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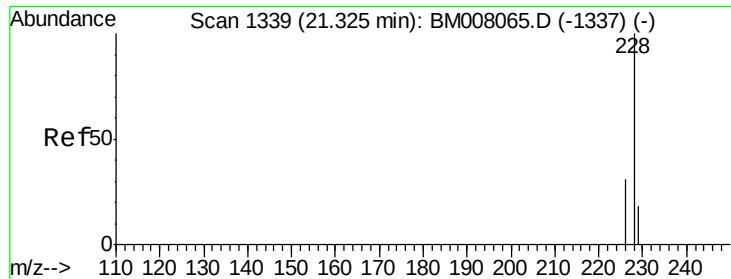
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.2	27.4
203	17.1	15.6	23.4



#18
 Benzo(a)anthracene
 Concen: 23.06 ng/ul
 RT: 21.26 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BM008069.D
 Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.8	34.2
229	18.5	17.0	25.6





#19

Chrysene

Concen: 14.02 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

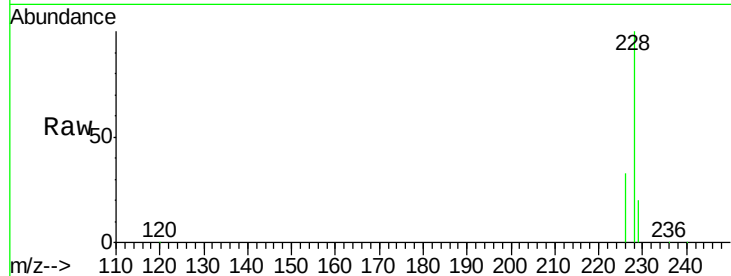
Tgt Ion:228 Resp: 168160

Ion Ratio Lower Upper

228 100

226 33.0 23.4 35.0

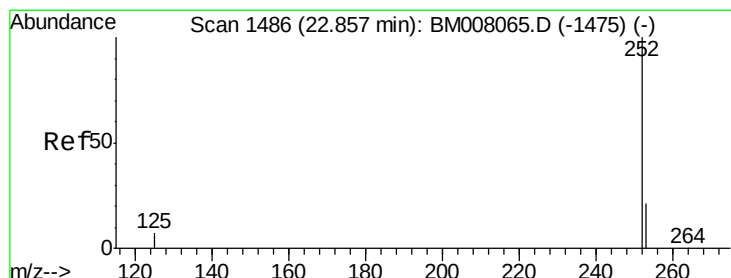
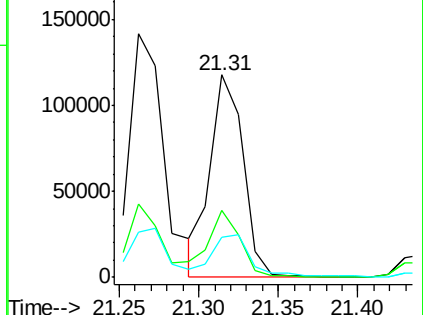
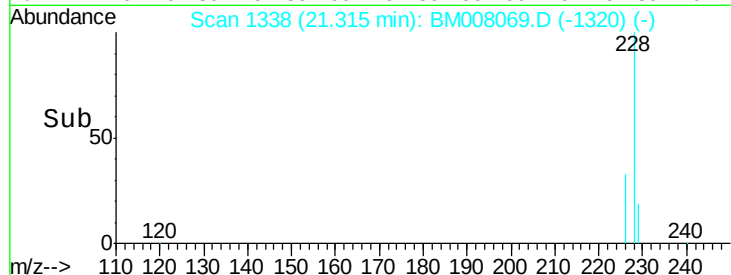
229 19.7 17.7 26.5



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



#21

Benzo(b)fluoranthene

Concen: 25.19 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

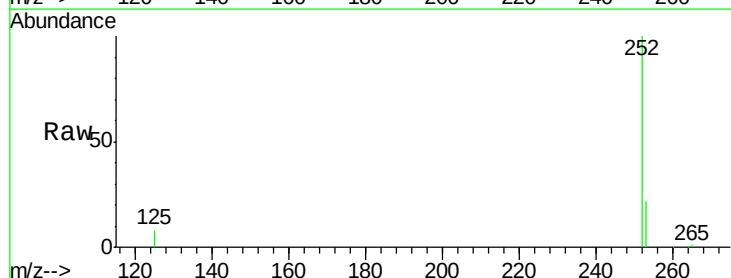
Tgt Ion:252 Resp: 291309

Ion Ratio Lower Upper

252 100

253 21.8 0.0 64.2

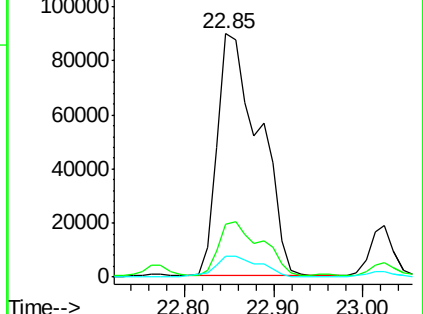
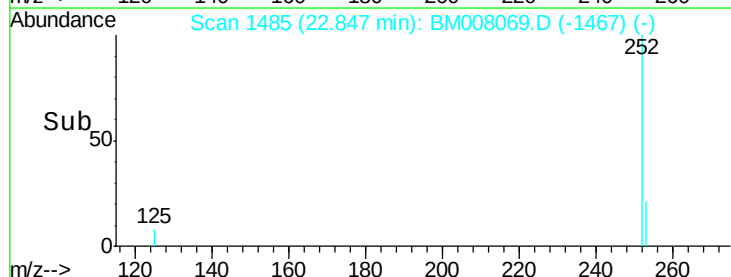
125 8.4 0.0 35.0

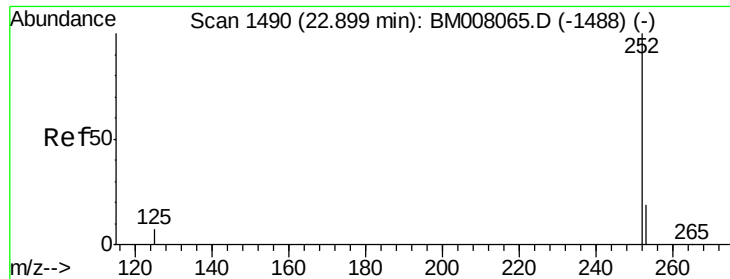


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 24.42 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.05 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

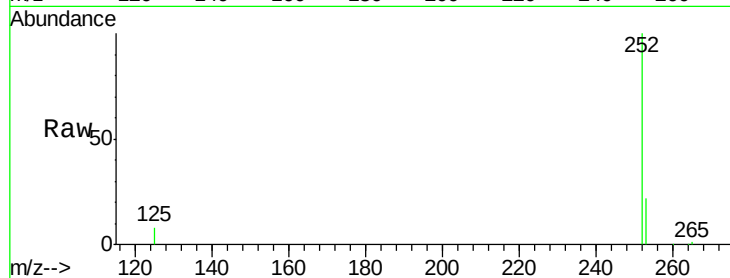
Tgt Ion:252 Resp: 291309

Ion Ratio Lower Upper

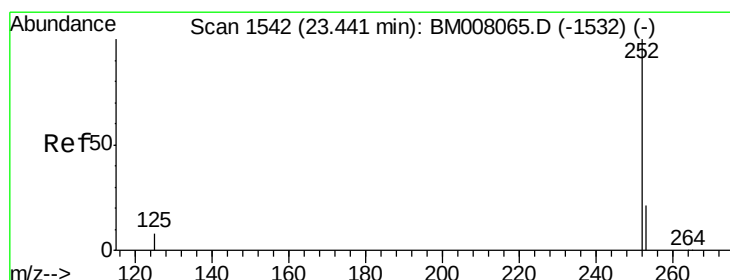
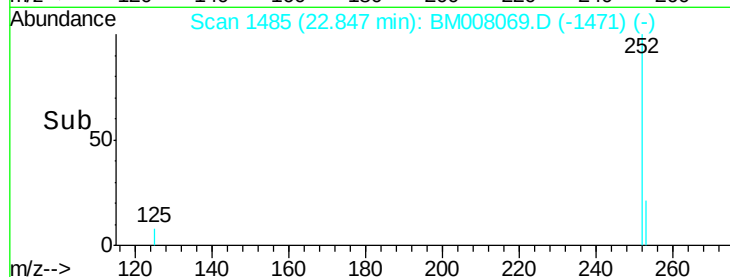
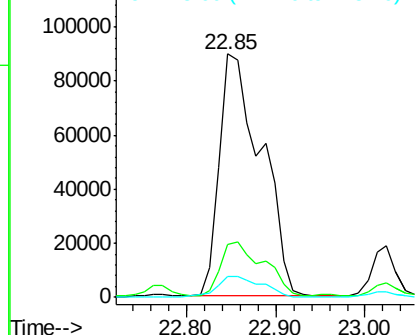
252 100

253 21.8 24.5 36.7#

125 8.4 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 14.91 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

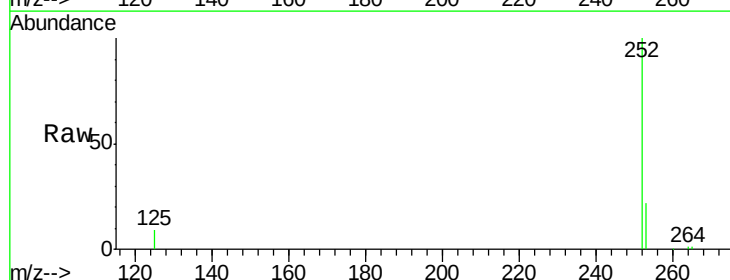
Tgt Ion:252 Resp: 161554

Ion Ratio Lower Upper

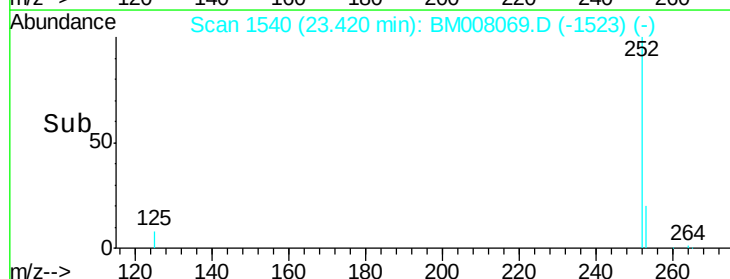
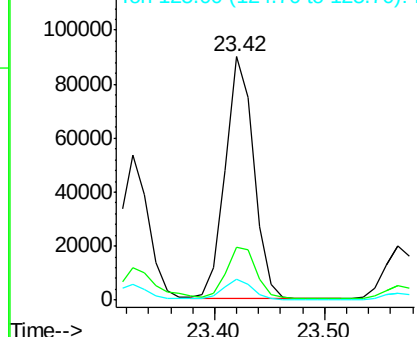
252 100

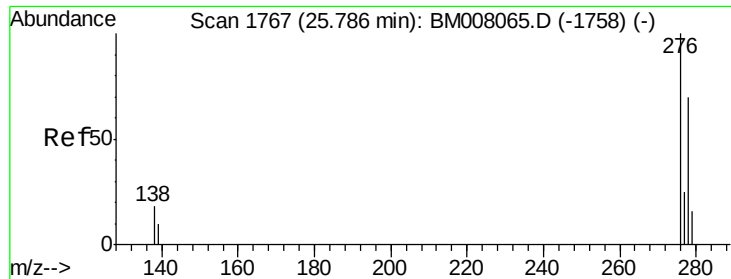
253 22.0 28.5 42.7#

125 8.8 18.1 27.1#



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: 7.23 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD

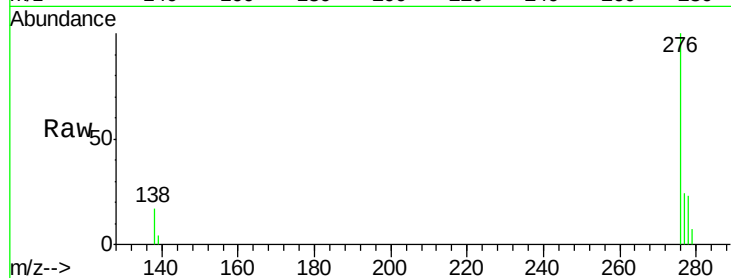
Tgt Ion:276 Resp: 96868

Ion Ratio Lower Upper

276 100

138 16.4 19.1 28.7#

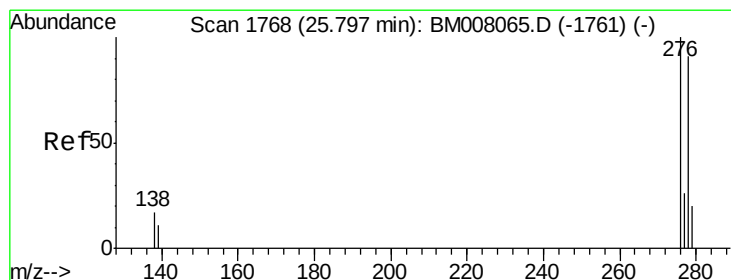
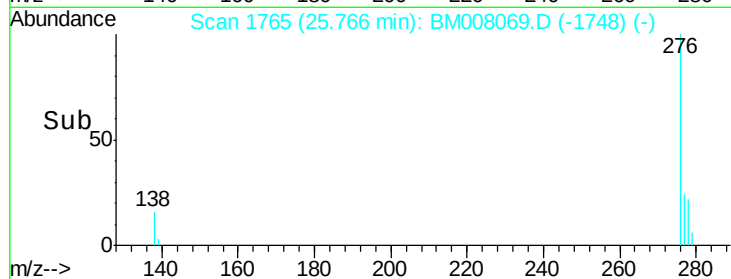
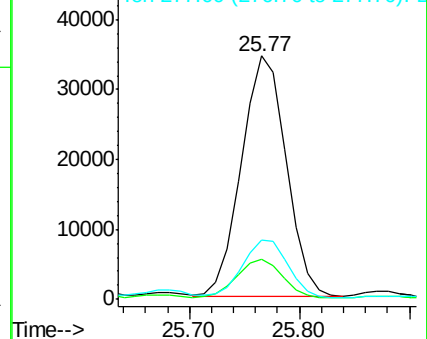
277 24.5 19.6 29.4



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



#25

Dibenzo(a,h)anthracene

Concen: 2.49 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

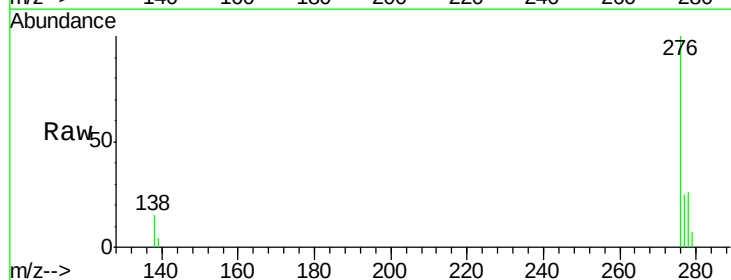
Tgt Ion:278 Resp: 26715

Ion Ratio Lower Upper

278 100

139 14.0 17.4 26.0#

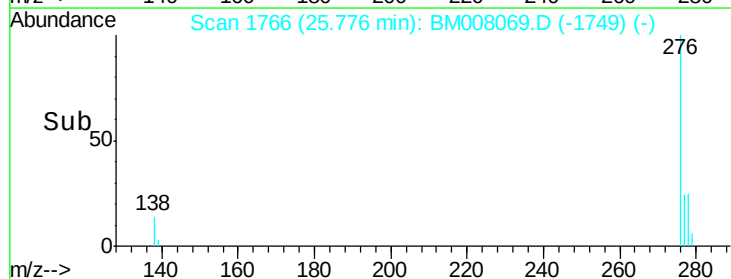
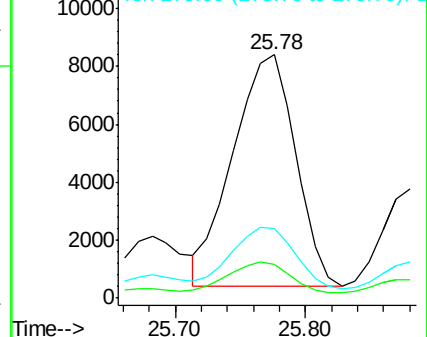
279 28.7 25.9 38.9

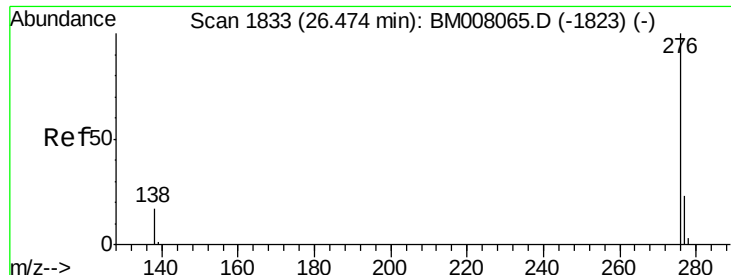


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 6.72 ng/ul

RT: 26.46 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BM008069.D

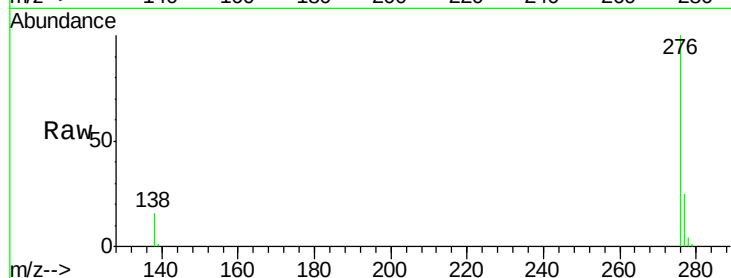
Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

ClientSampleId :

A4WD7MSD



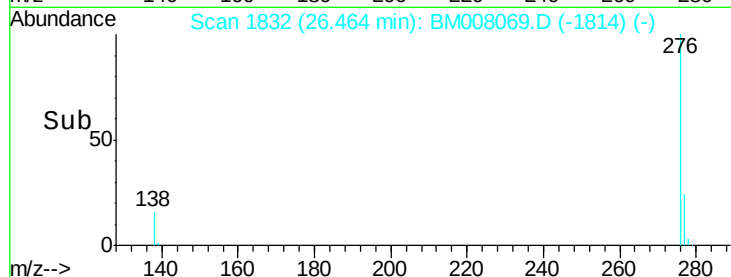
Tgt Ion: 276 Resp: 79868

Ion Ratio Lower Upper

276 100

277 24.6 21.8 32.8

138 16.0 20.5 30.7#



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

