

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007965.D
 Acq On : 21 Nov 2016 19:19
 Operator : UM/SJ
 Sample : H5699-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD1

Quant Time: Nov 22 05:00:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 04:57:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	594	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	1923	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1224	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	188407	0.40	ng/ul	0.07
16) Chrysene-d12	21.30	240	2560	0.40	ng/ul	-0.01
20) Perylene-d12	23.40	264	180738	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	729	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	2240	0.00	ng/ul	-0.01

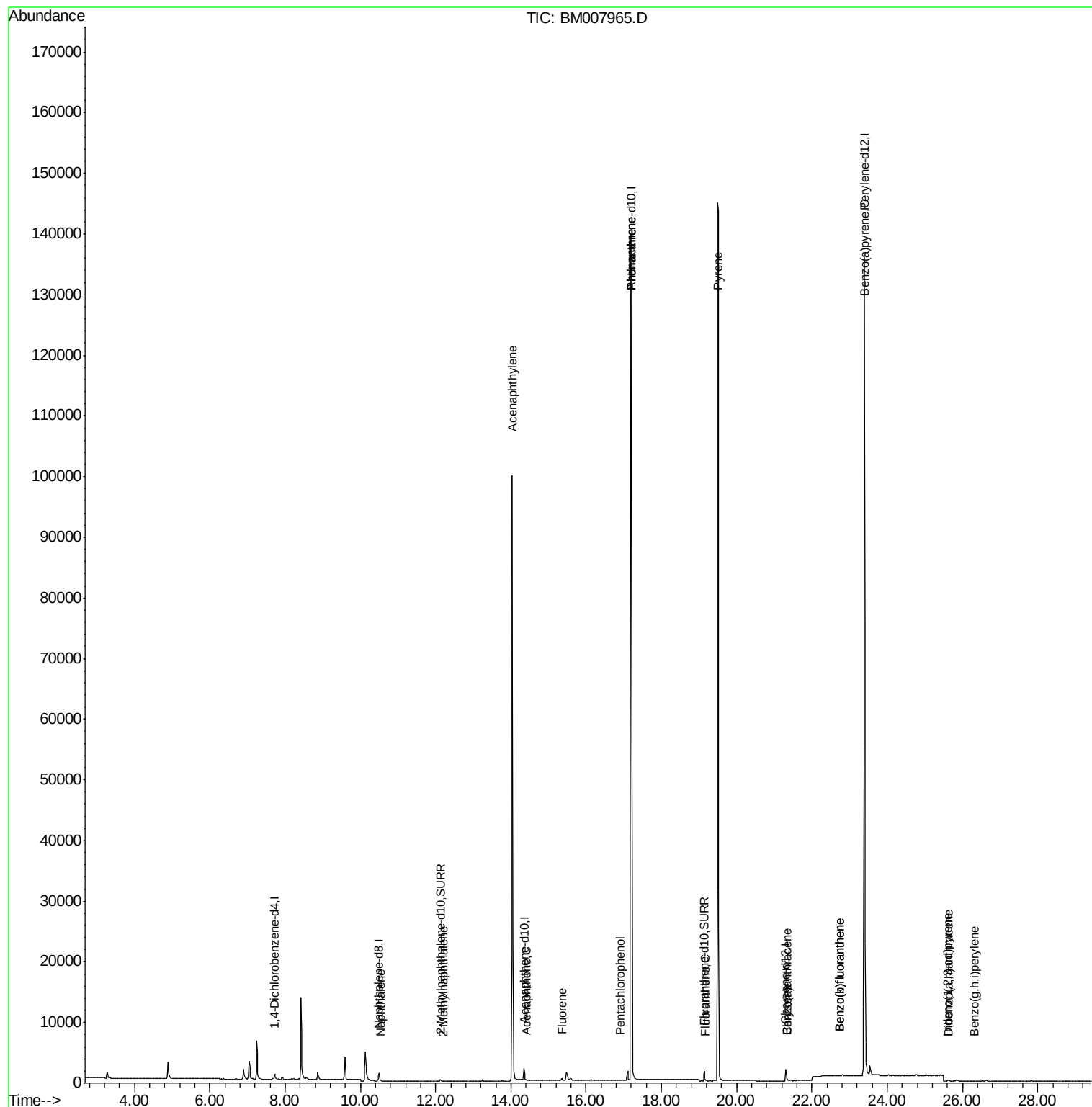
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	22	0.00	ng/ul#	1
5) 2-Methylnaphthalene	12.19	142	11	0.00	ng/ul	91
7) Acenaphthylene	14.04	152	23	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	6	0.00	ng/ul#	67
9) Fluorene	15.36	166	341	0.07	ng/ul#	30
11) Pentachlorophenol	16.92	266	3	0.00	ng/ul#	20
12) Phenanthrene	17.19	178	134	0.00	ng/ul#	1
13) Anthracene	17.19	178	100	0.00	ng/ul#	1
15) Fluoranthene	19.17	202	25	0.00	ng/ul#	1
17) Pyrene	19.50	202	372	0.04	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	267	0.03	ng/ul#	55
19) Chrysene	21.35	228	279	0.03	ng/ul#	57
21) Benzo(b)fluoranthene	22.74	252	18	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.74	252	18	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	839	0.00	ng/ul#	48
24) Indeno(1,2,3-cd)pyrene	25.60	276	943	0.00	ng/ul#	1
25) Dibenzo(a,h)anthracene	25.63	278	1111	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.31	276	4	0.00	ng/ul#	1

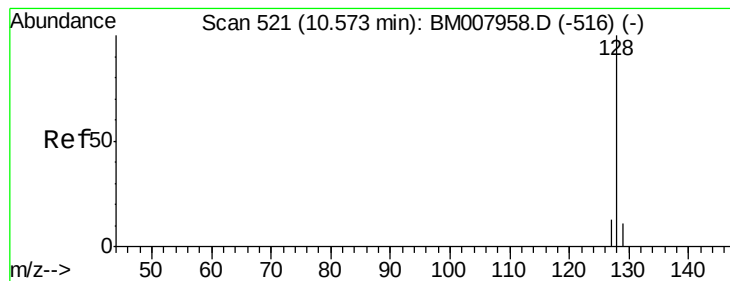
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.00 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

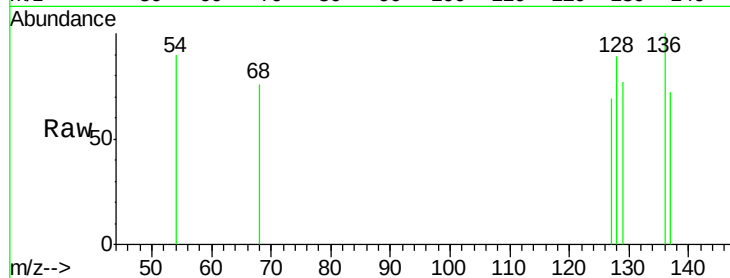
Tgt Ion:128 Resp: 22

Ion Ratio Lower Upper

128 100

129 87.3 11.3 16.9#

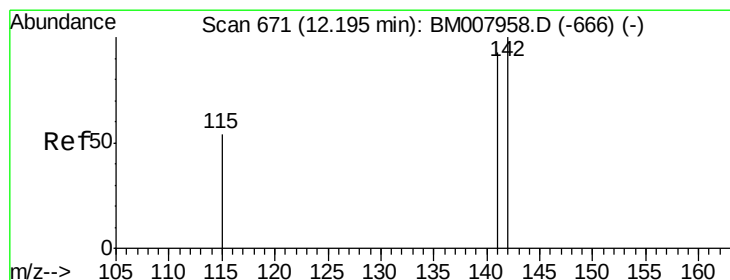
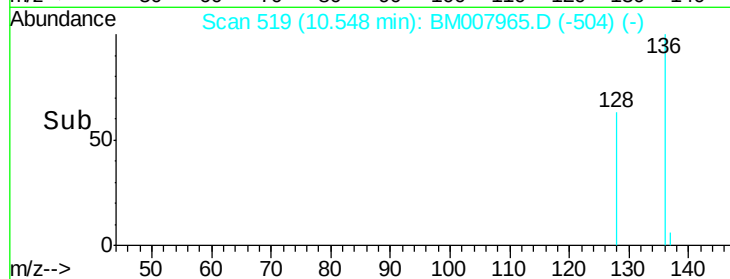
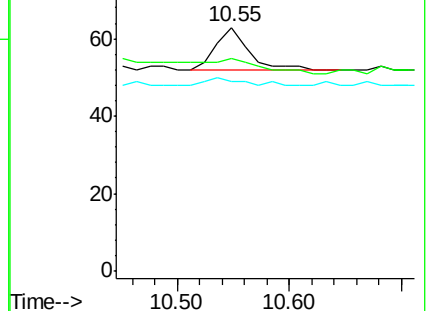
127 77.8 12.8 19.2#



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: 0.00 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM007965.D

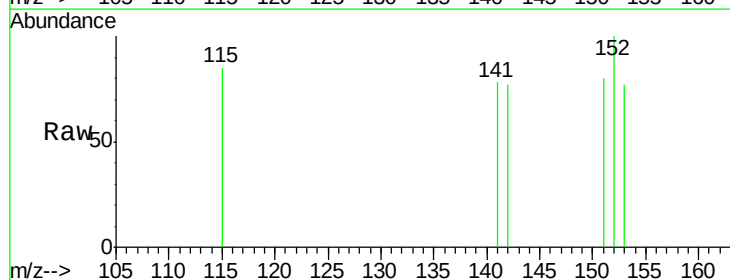
Acq: 21 Nov 2016 19:19

Tgt Ion:142 Resp: 11

Ion Ratio Lower Upper

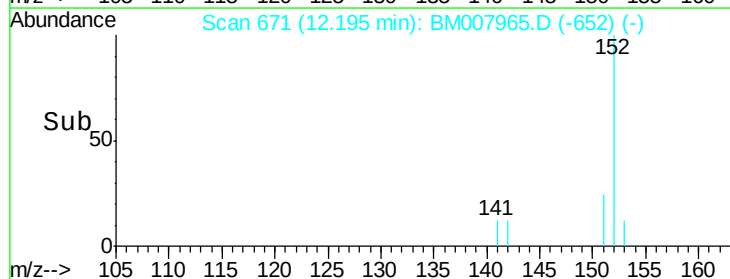
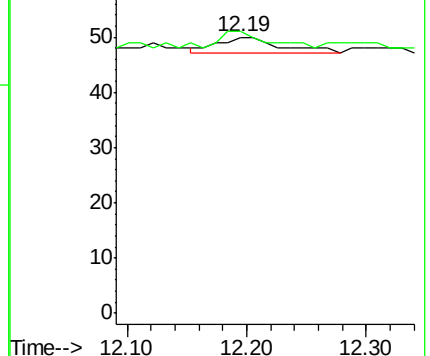
142 100

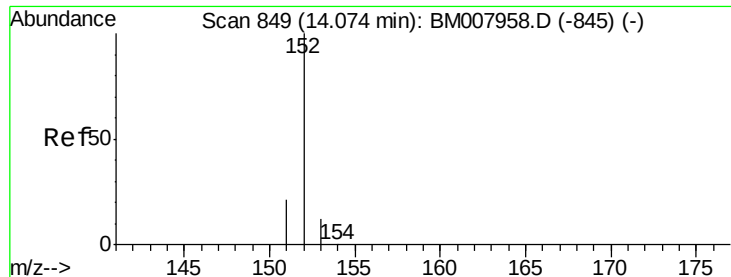
141 81.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

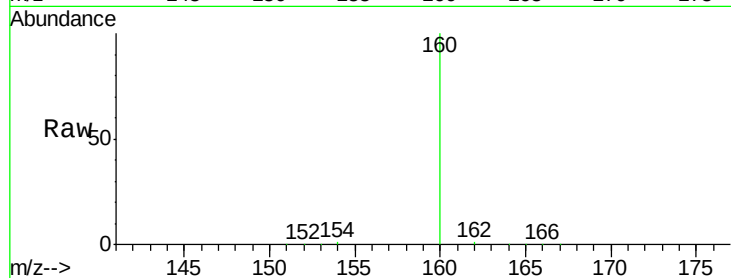
Tgt Ion:152 Resp: 23

Ion Ratio Lower Upper

152 100

151 94.4 17.1 25.7#

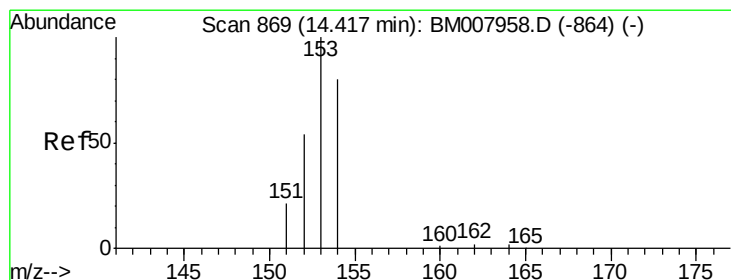
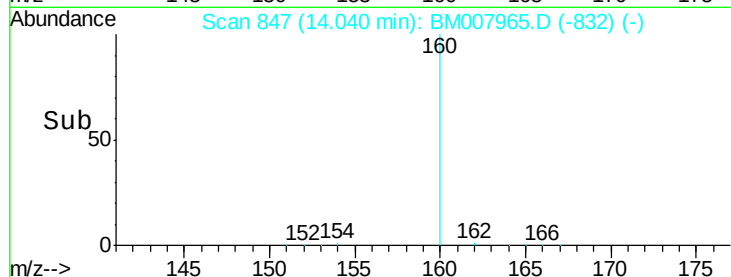
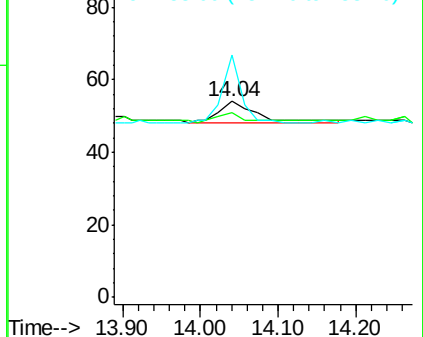
153 124.1 12.8 19.2#



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: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

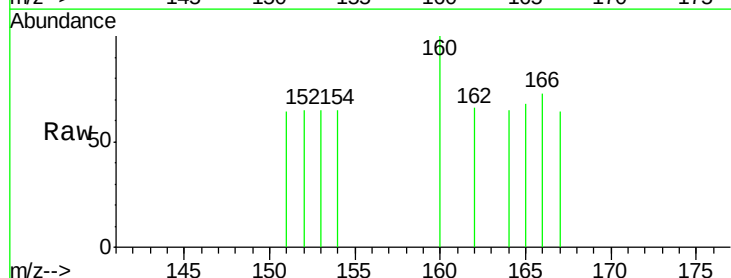
Tgt Ion:153 Resp: 6

Ion Ratio Lower Upper

153 100

152 100.0 40.3 60.5#

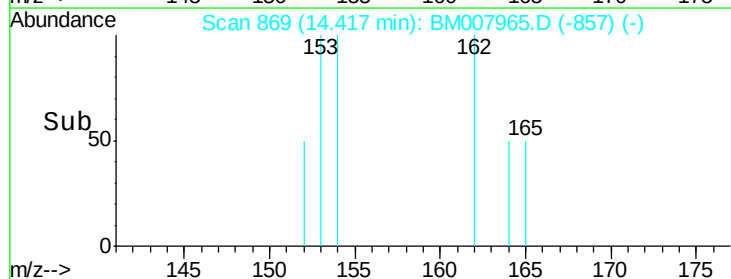
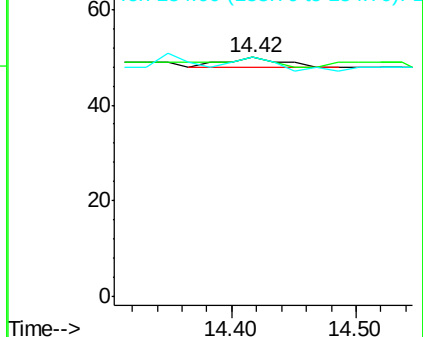
154 100.0 71.4 107.2

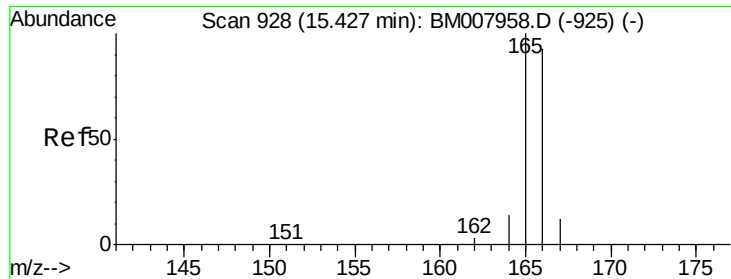


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

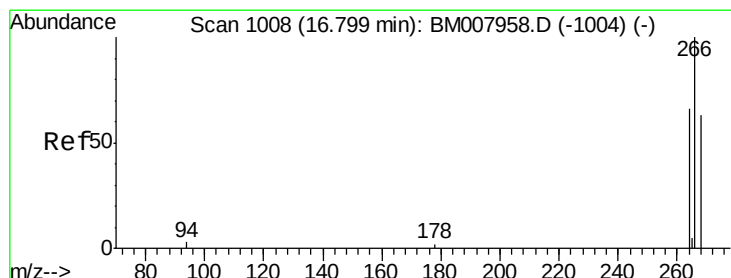
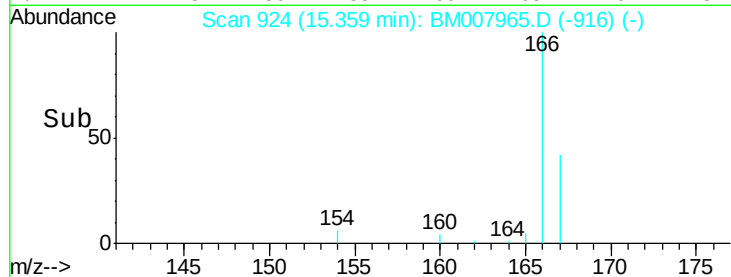
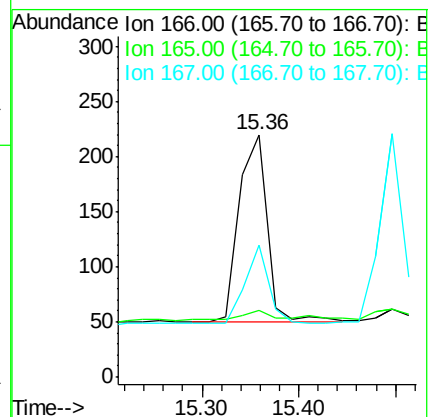
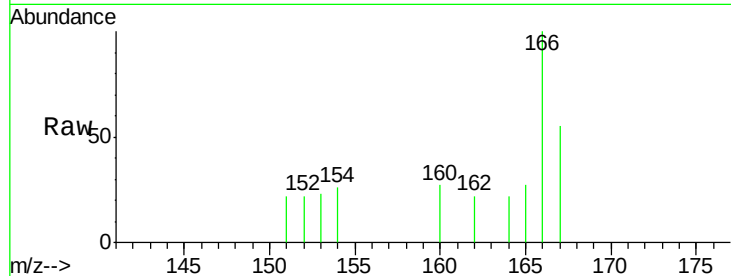
Tgt Ion:166 Resp: 341

Ion Ratio Lower Upper

166 100

165 27.3 73.4 110.2#

167 54.5 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. 0.12 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

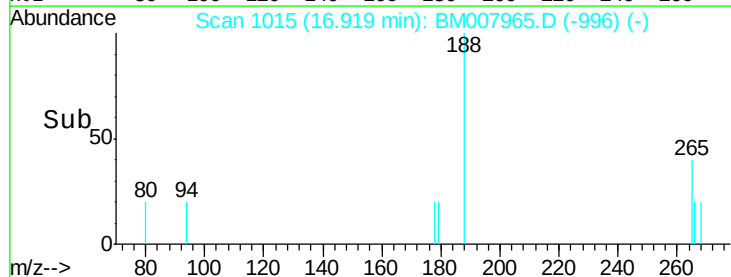
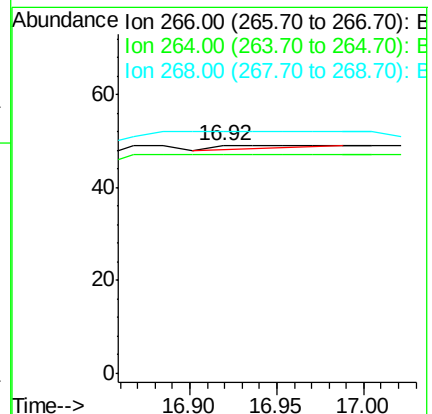
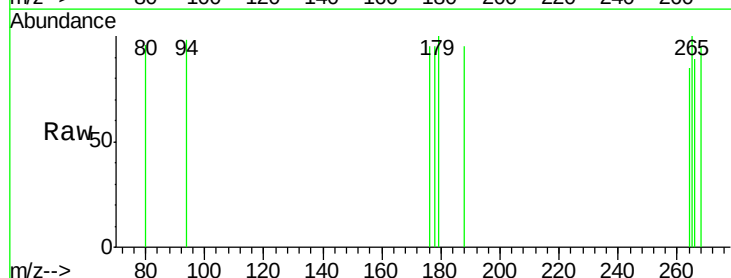
Tgt Ion:266 Resp: 3

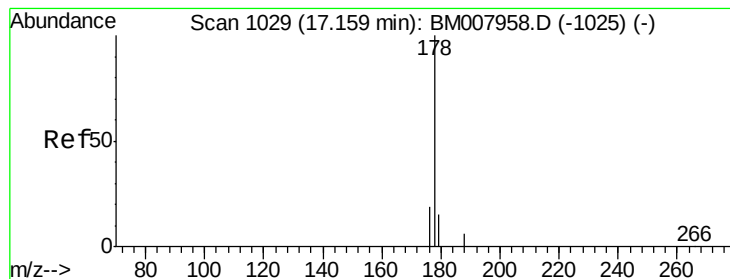
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.03 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampled :

A4WD1

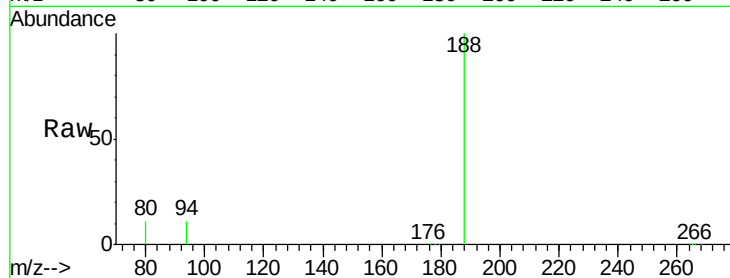
Tgt Ion:178 Resp: 134

Ion Ratio Lower Upper

178 100

176 51.9 18.4 27.6#

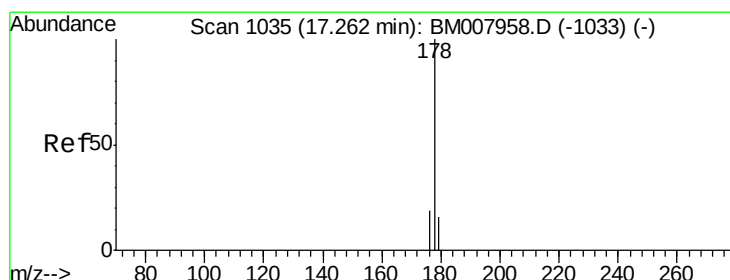
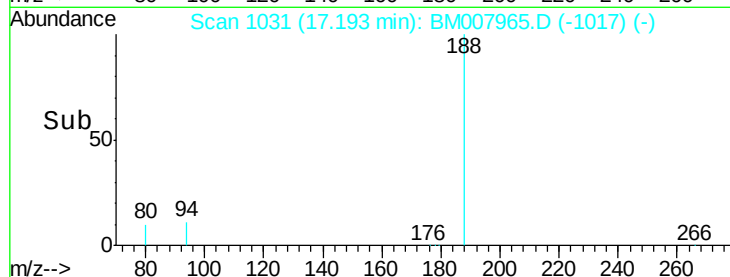
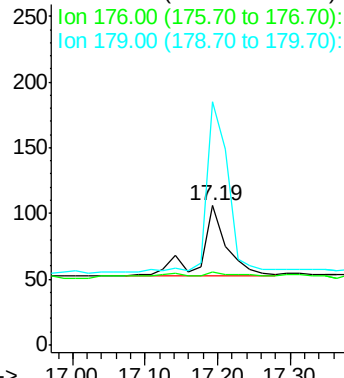
179 174.5 13.6 20.4#



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



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.07 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

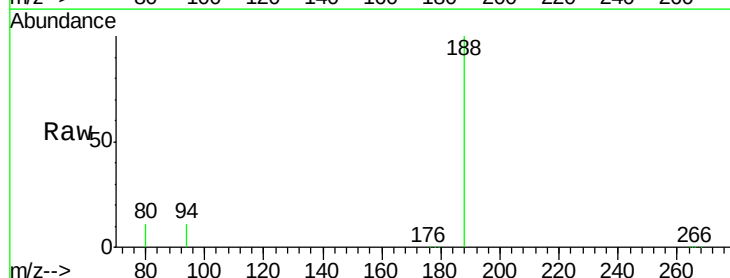
Tgt Ion:178 Resp: 100

Ion Ratio Lower Upper

178 100

176 51.9 18.1 27.1#

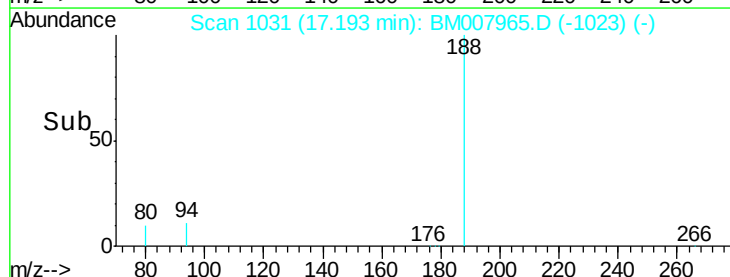
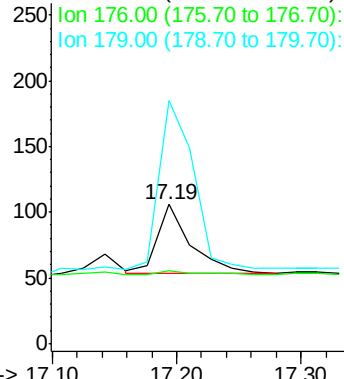
179 174.5 14.7 22.1#

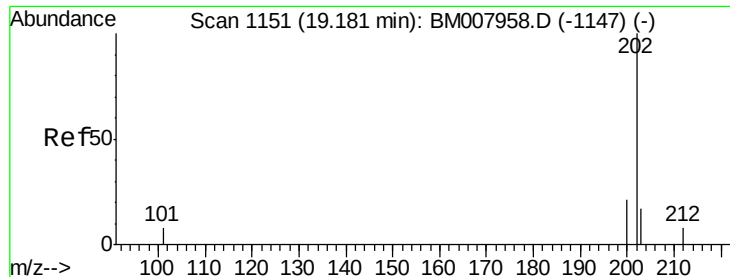


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

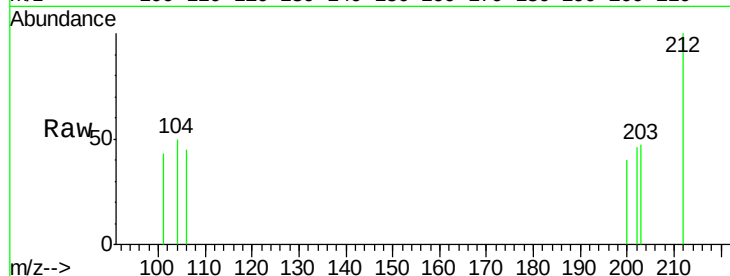
Tgt Ion: 202 Resp: 25

Ion Ratio Lower Upper

202 100

101 93.2 0.0 30.3#

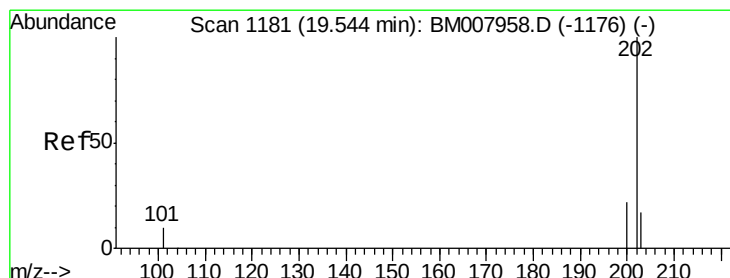
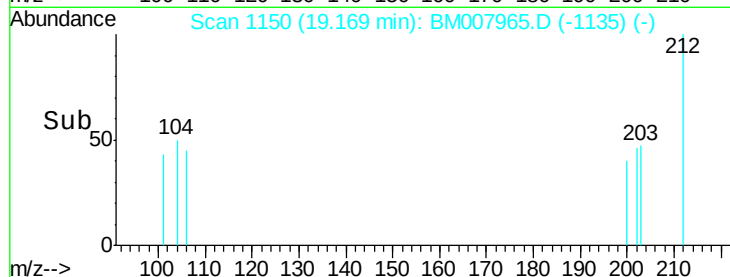
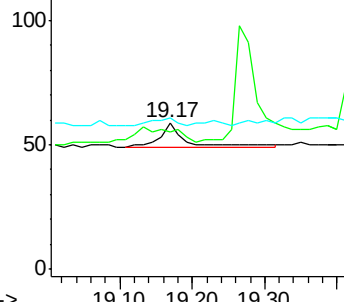
203 103.4 0.0 39.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.04 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.05 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

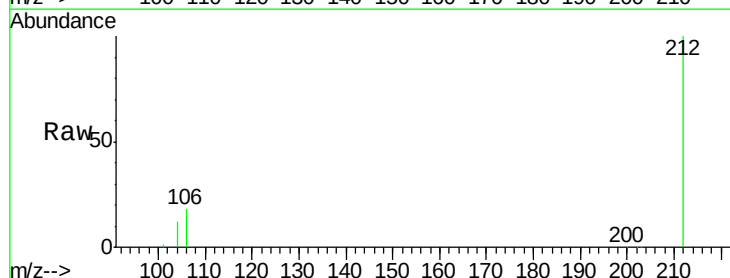
Tgt Ion: 202 Resp: 372

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.4

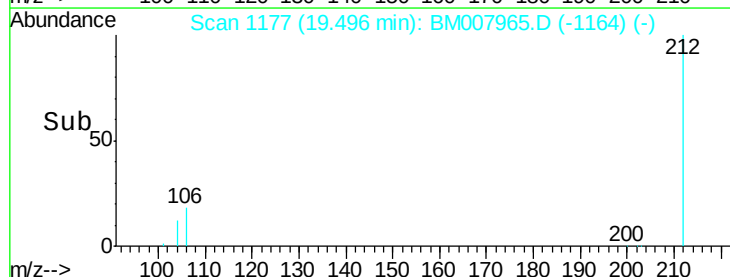
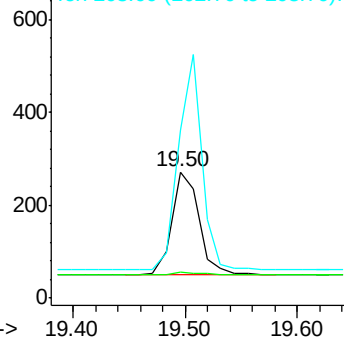
203 133.5 15.6 23.4#

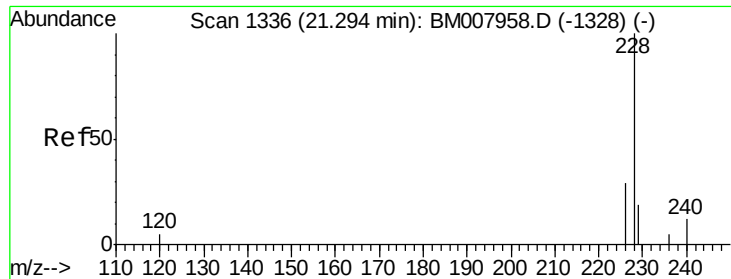


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.05 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

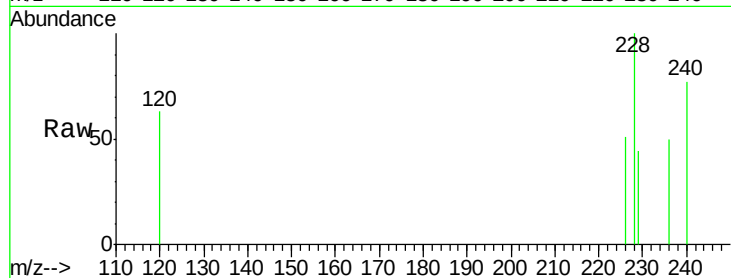
Tgt Ion:228 Resp: 267

Ion Ratio Lower Upper

228 100

226 50.9 22.8 34.2#

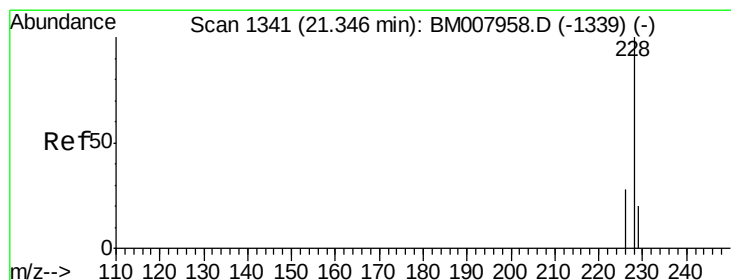
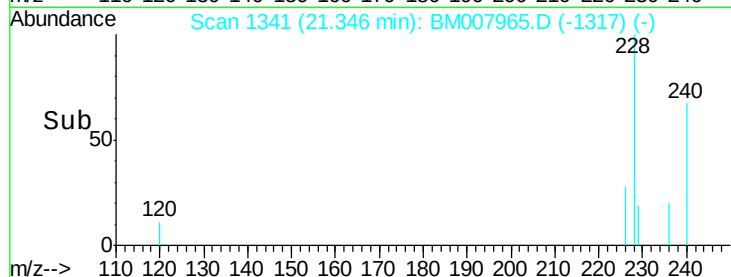
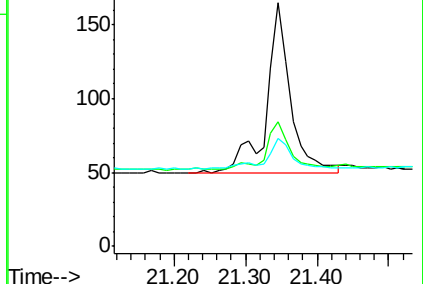
229 44.2 17.0 25.6#



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: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

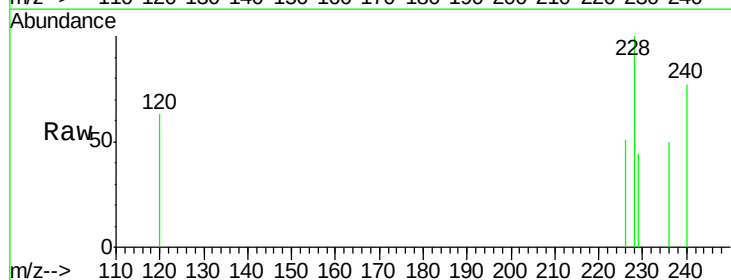
Tgt Ion:228 Resp: 279

Ion Ratio Lower Upper

228 100

226 50.9 23.4 35.0#

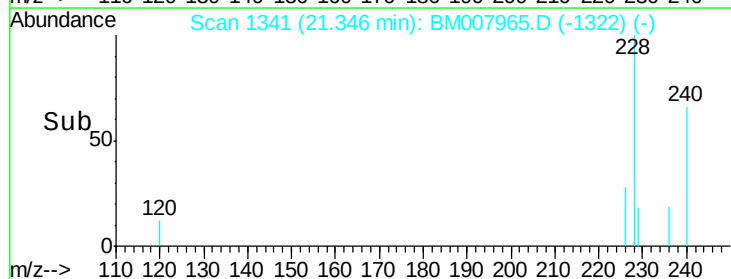
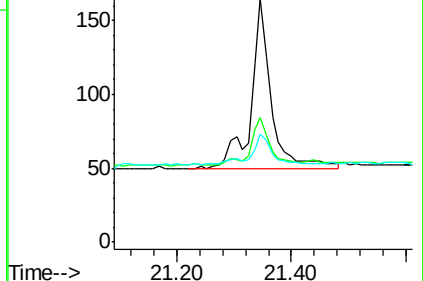
229 44.2 17.7 26.5#

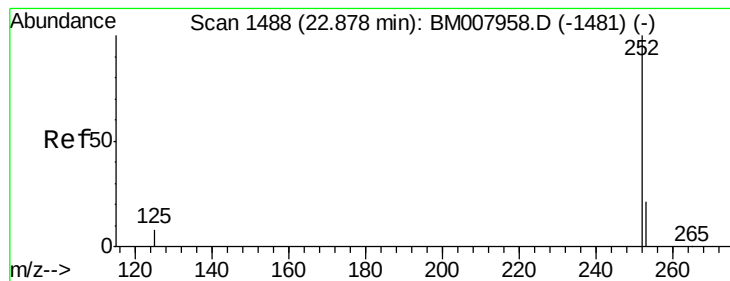


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.74 min Scan# 1475

Delta R.T. -0.14 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

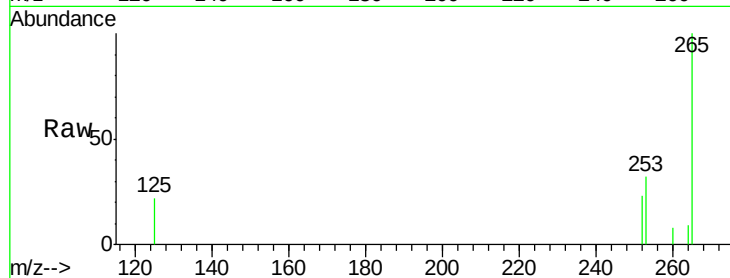
Tgt Ion: 252 Resp: 18

Ion Ratio Lower Upper

252 100

253 141.7 0.0 64.2#

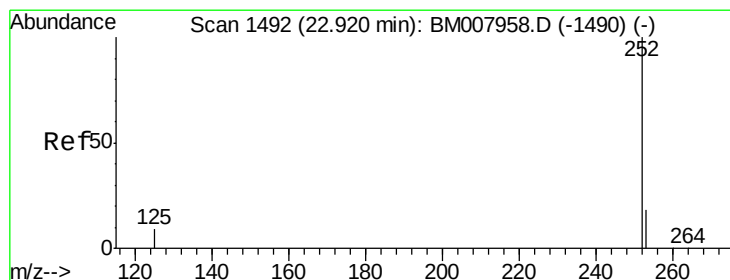
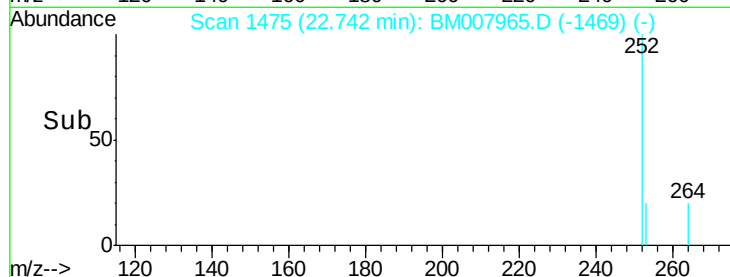
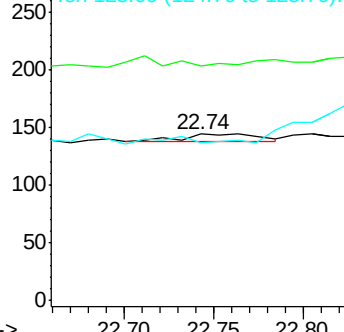
125 95.1 0.0 35.0#



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: 0.00 ng/ul

RT: 22.74 min Scan# 1475

Delta R.T. -0.18 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

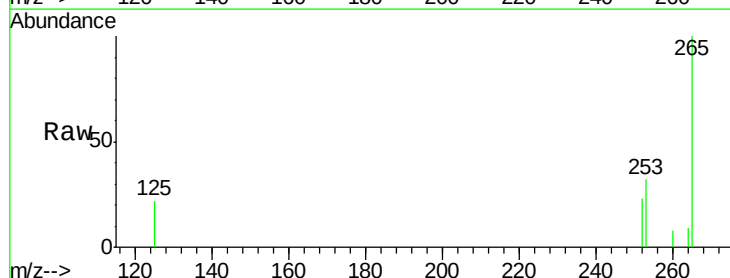
Tgt Ion: 252 Resp: 18

Ion Ratio Lower Upper

252 100

253 141.7 24.5 36.7#

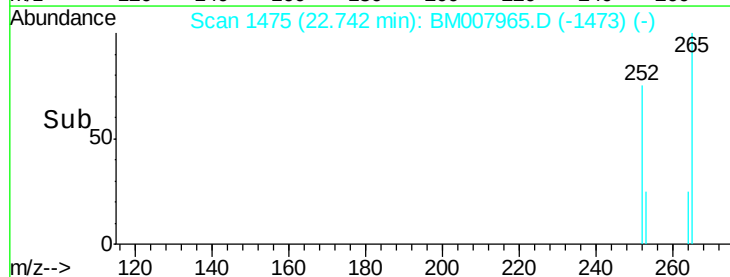
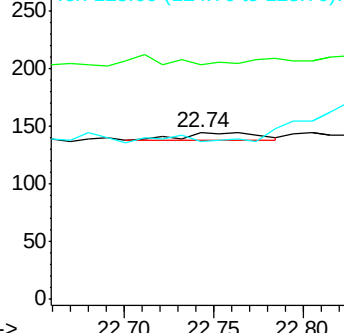
125 95.1 13.7 20.5#

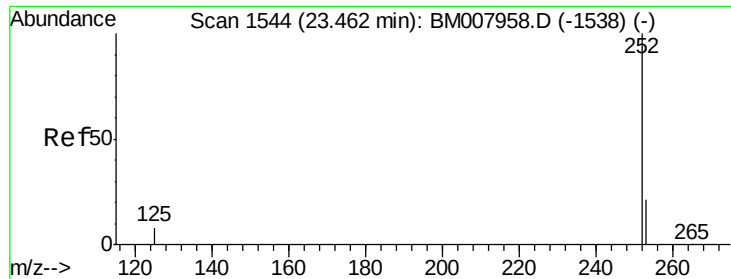


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.07 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

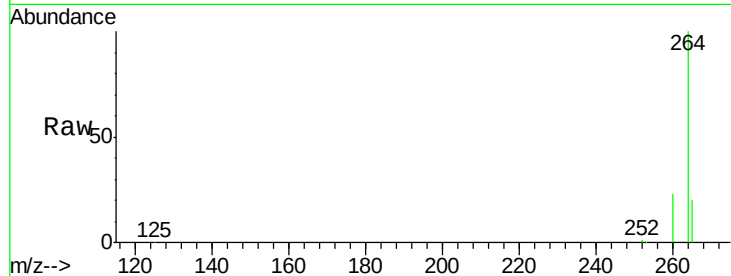
Tgt Ion:252 Resp: 839

Ion Ratio Lower Upper

252 100

253 60.0 28.5 42.7#

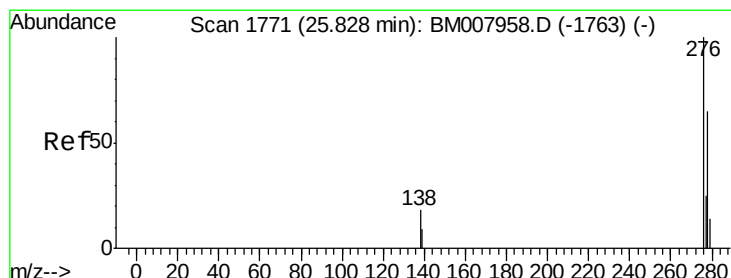
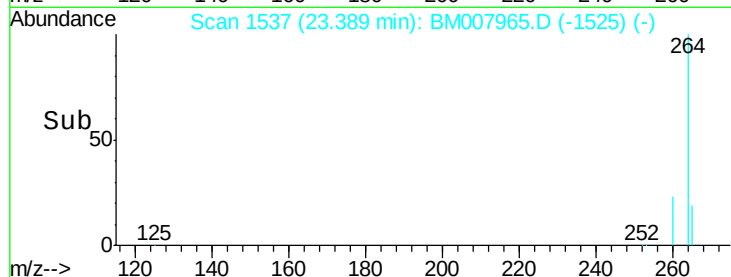
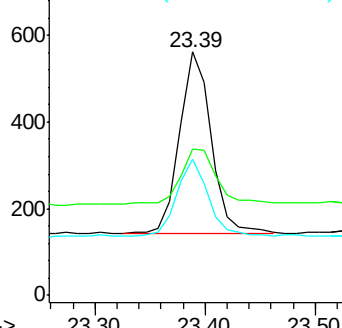
125 56.0 18.1 27.1#



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: 0.00 ng/ul

RT: 25.60 min Scan# 1749

Delta R.T. -0.23 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

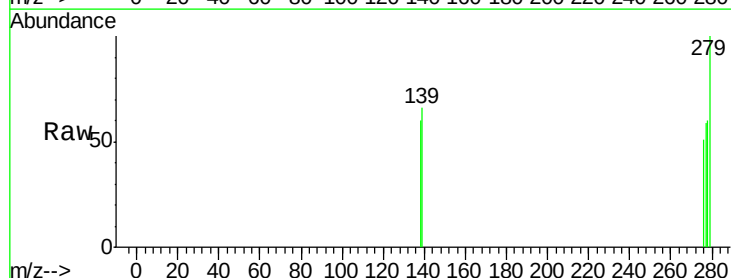
Tgt Ion:276 Resp: 943

Ion Ratio Lower Upper

276 100

138 122.9 19.1 28.7#

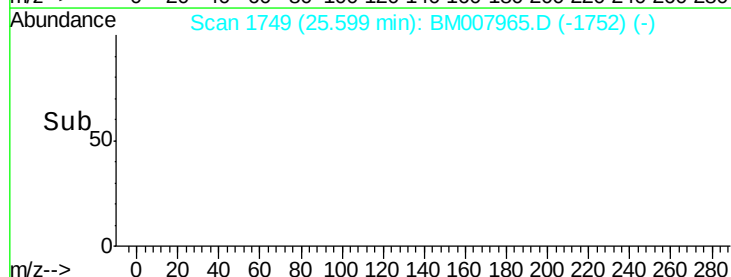
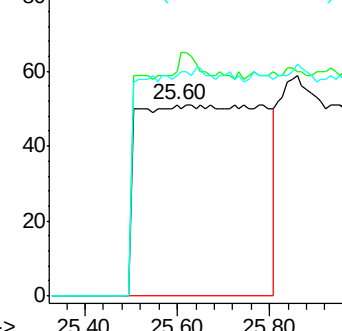
277 0.0 19.6 29.4#

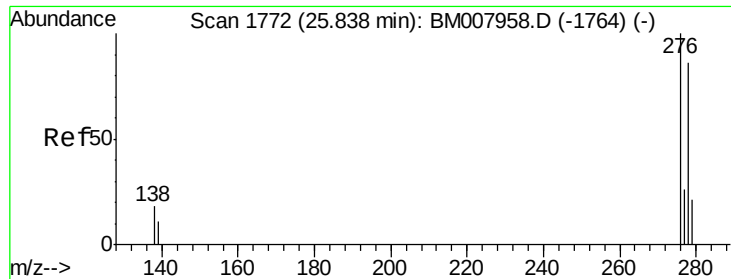


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.63 min Scan# 1752

Delta R.T. -0.21 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

Instrument :

BNA_M

ClientSampleId :

A4WD1

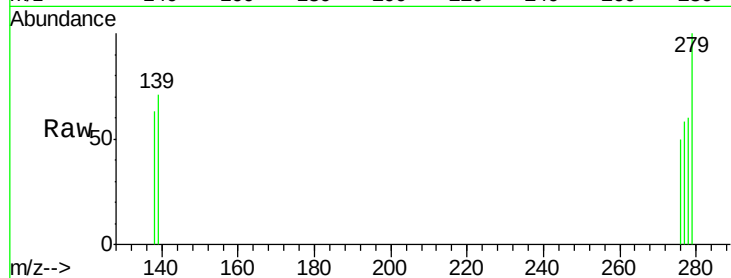
Tgt Ion:278 Resp: 1111

Ion Ratio Lower Upper

278 100

139 118.0 17.4 26.0#

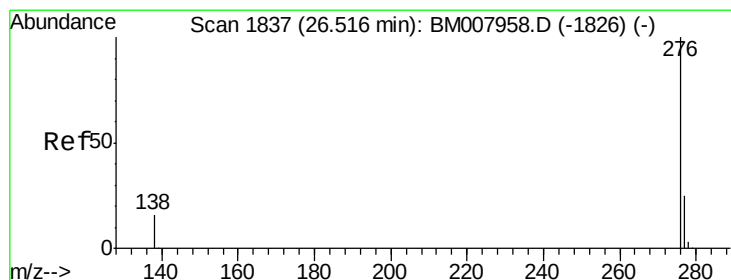
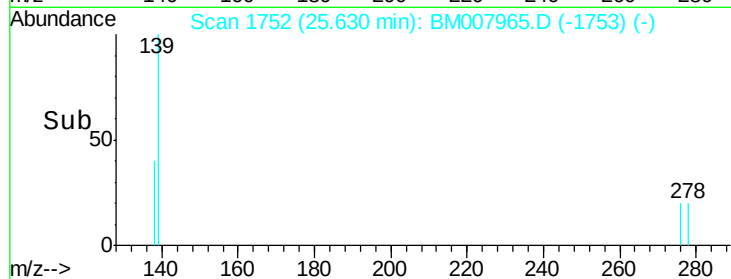
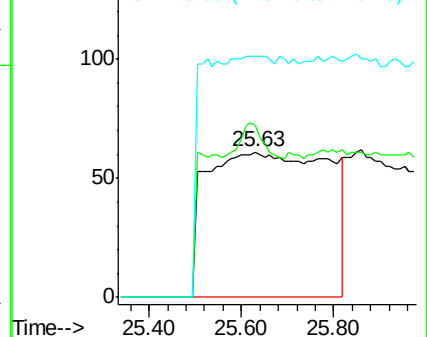
279 165.6 25.9 38.9#



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: 0.00 ng/ul

RT: 26.31 min Scan# 1817

Delta R.T. -0.21 min

Lab File: BM007965.D

Acq: 21 Nov 2016 19:19

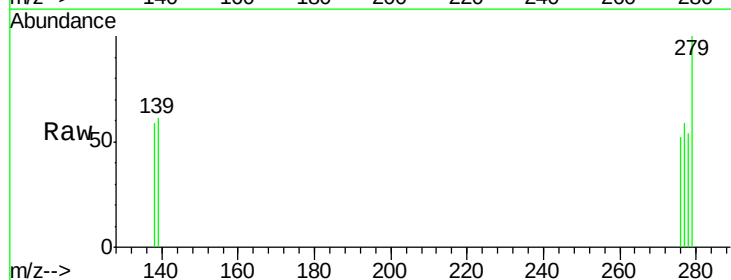
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

277 113.7 21.8 32.8#

138 113.7 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

