

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112116\
 Data File : BM007963.D
 Acq On : 21 Nov 2016 18:07
 Operator : UM/SJ
 Sample : H5699-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD8

Quant Time: Nov 22 04:59:50 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	631	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2022	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1260	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.19	188	181371	0.40	ng/ul	0.07
16) Chrysene-d12	21.31	240	2671	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	156529	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	734	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	2198	0.00	ng/ul	-0.01

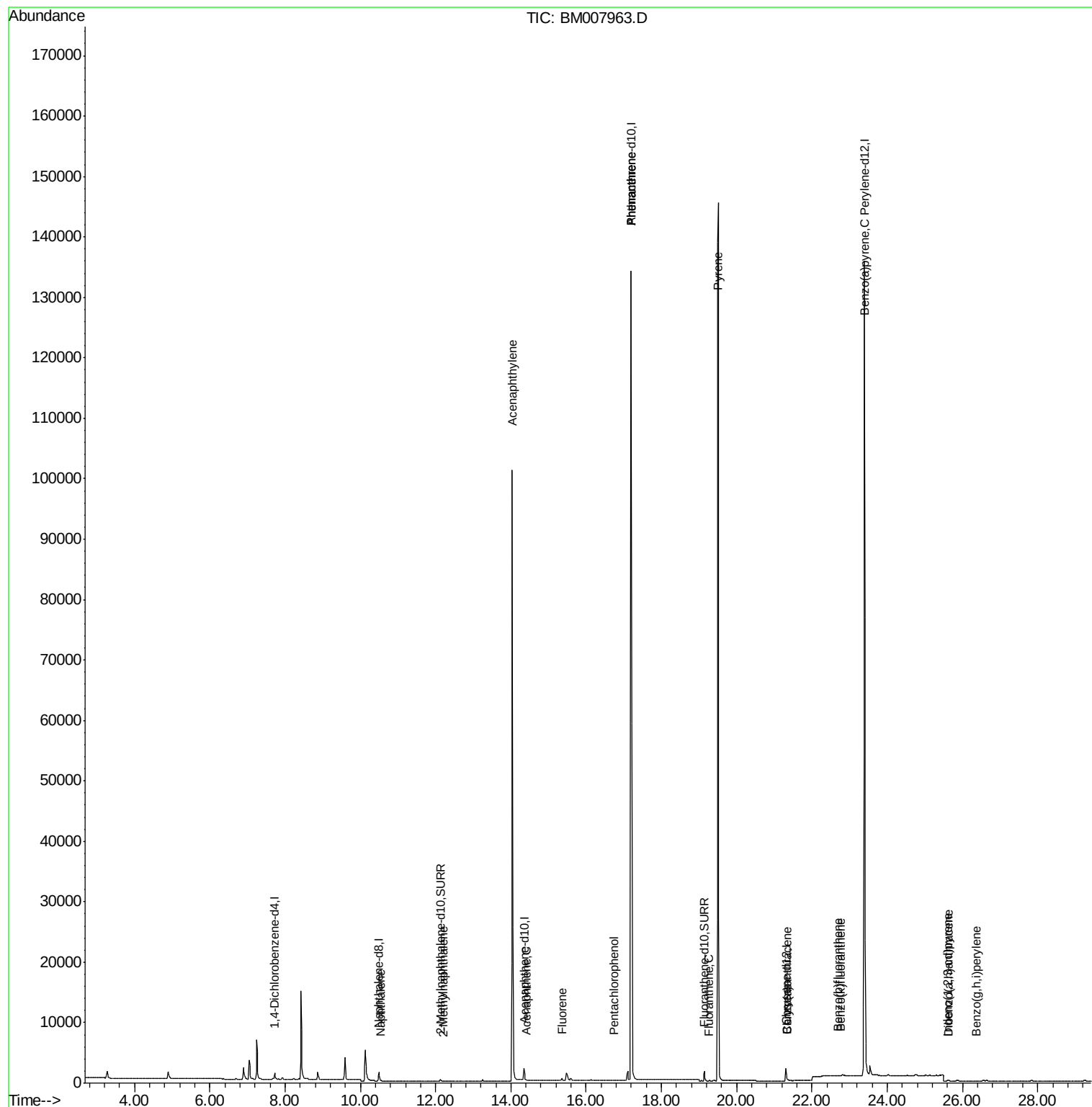
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	26	0.00	ng/ul#	1
5) 2-Methylnaphthalene	12.19	142	4	0.00	ng/ul#	1
7) Acenaphthylene	14.04	152	21	0.00	ng/ul#	1
8) Acenaphthene	14.42	153	3	0.00	ng/ul#	67
9) Fluorene	15.36	166	340	0.07	ng/ul#	30
11) Pentachlorophenol	16.75	266	8	0.00	ng/ul#	17
12) Phenanthrene	17.19	178	136	0.00	ng/ul#	1
13) Anthracene	17.19	178	91	0.00	ng/ul#	1
15) Fluoranthene	19.25	202	4	0.00	ng/ul#	1
17) Pyrene	19.50	202	402	0.04	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	289	0.04	ng/ul#	53
19) Chrysene	21.35	228	298	0.03	ng/ul#	55
21) Benzo(b)fluoranthene	22.70	252	4	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.77	252	8	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.39	252	856	0.00	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	25.60	276	943	0.00	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.64	278	1113	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.36	276	4	0.00	ng/ul#	1

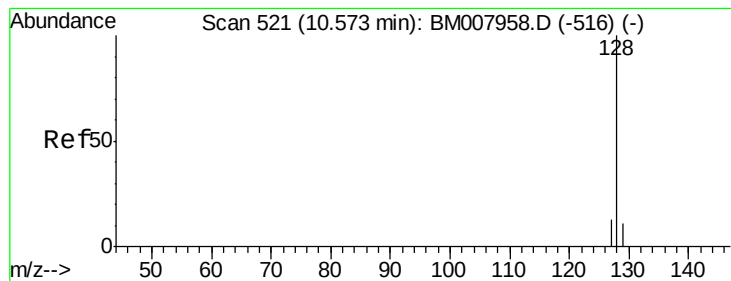
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM007963.D

Acq: 21 Nov 2016 18:07

Instrument :

BNA_M

ClientSampleId :

A4WD8

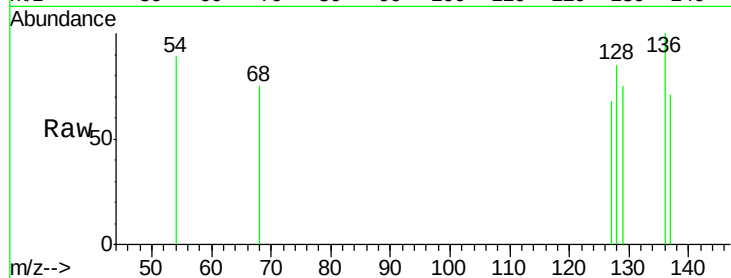
Tgt Ion:128 Resp: 26

Ion Ratio Lower Upper

128 100

129 88.5 11.3 16.9#

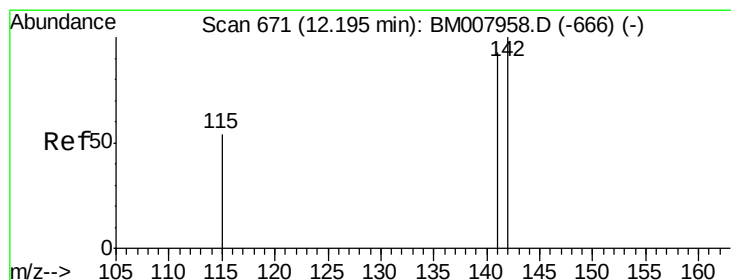
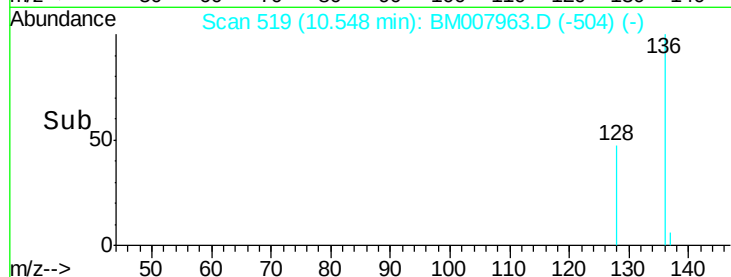
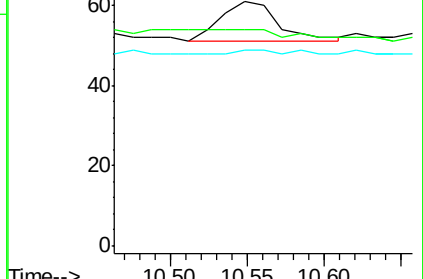
127 80.3 12.8 19.2#



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: BM007963.D

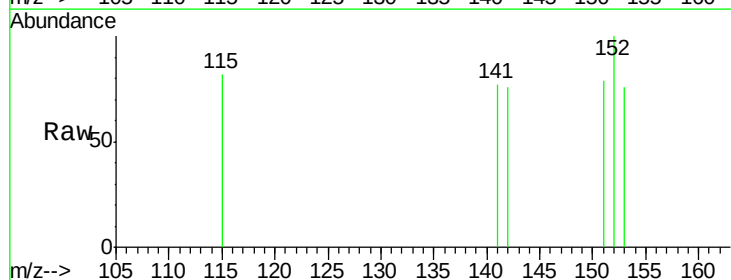
Acq: 21 Nov 2016 18:07

Tgt Ion:142 Resp: 4

Ion Ratio Lower Upper

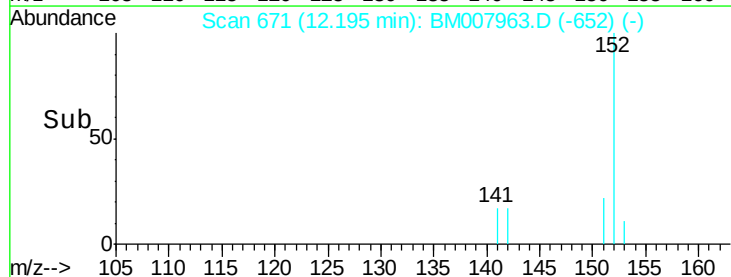
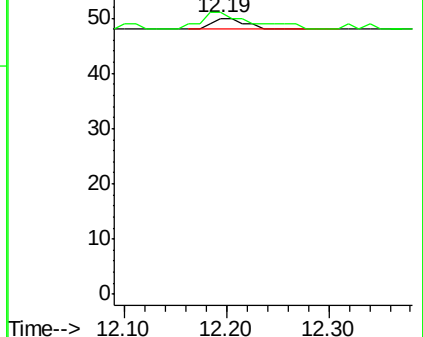
142 100

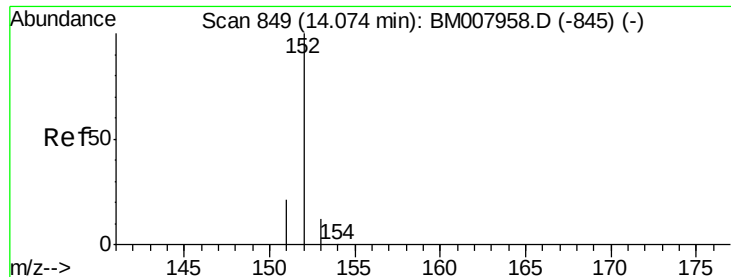
141 275.0 72.6 108.8#



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: BM007963.D

Acq: 21 Nov 2016 18:07

Instrument :

BNA_M

ClientSampleId :

A4WD8

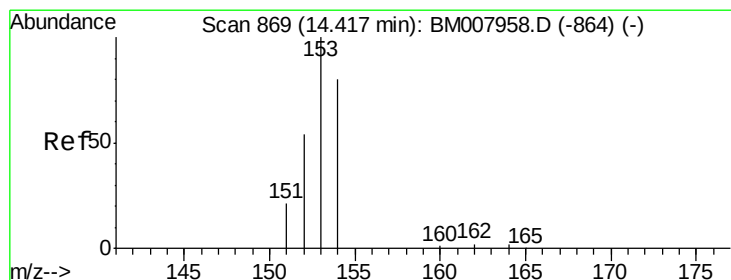
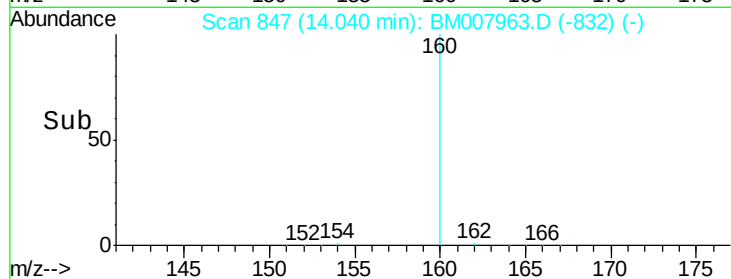
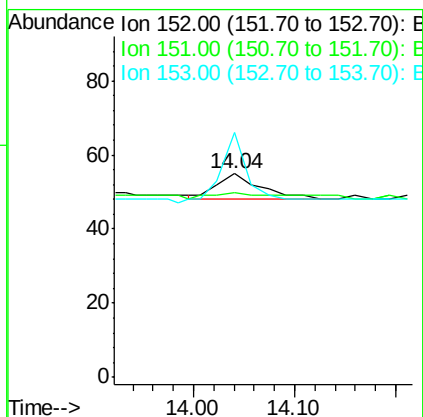
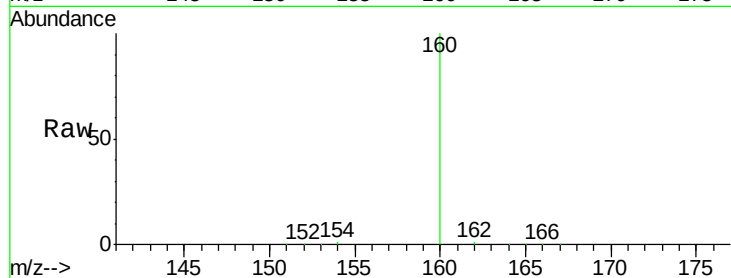
Tgt Ion:152 Resp: 21

Ion Ratio Lower Upper

152 100

151 90.9 17.1 25.7#

153 120.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM007963.D

Acq: 21 Nov 2016 18:07

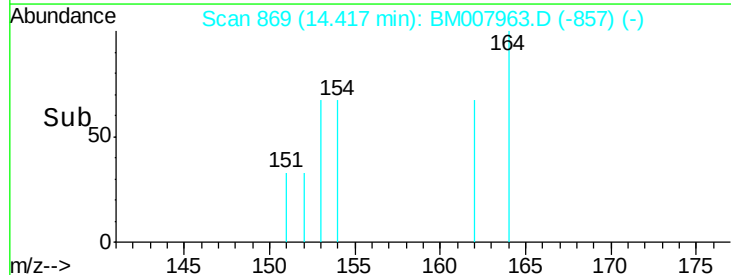
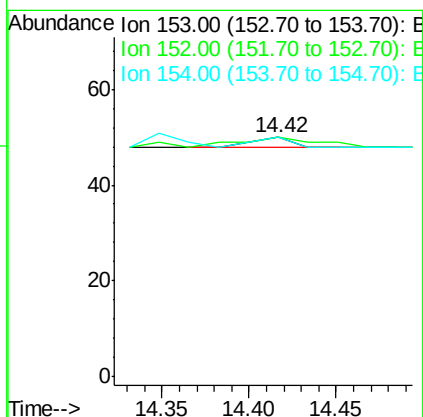
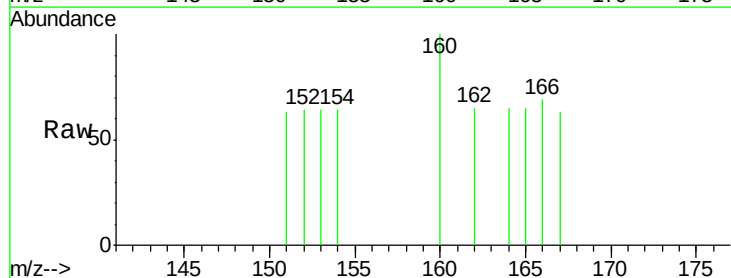
Tgt Ion:153 Resp: 3

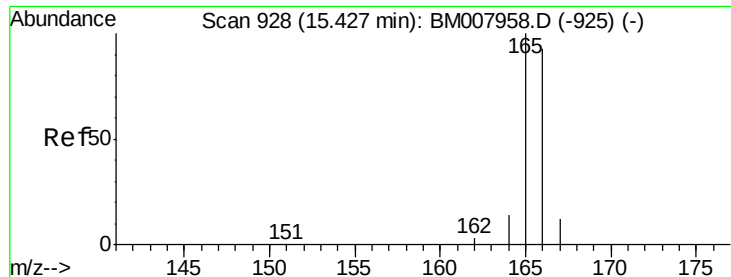
Ion Ratio Lower Upper

153 100

152 100.0 40.3 60.5#

154 100.0 71.4 107.2

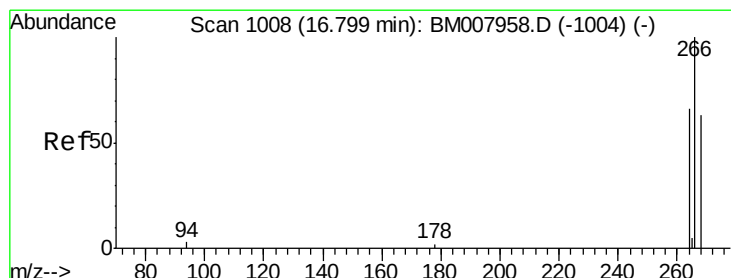
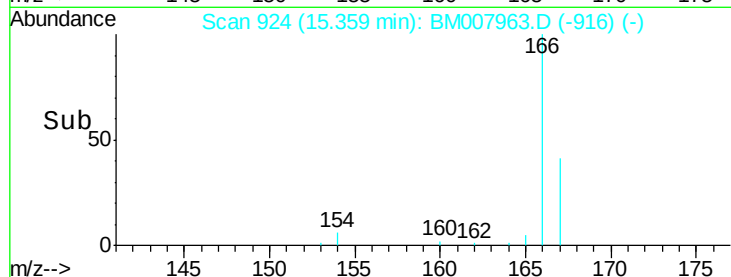
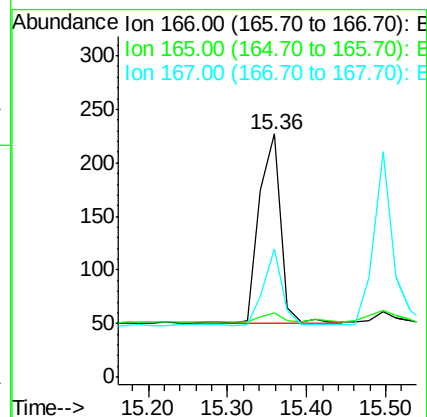
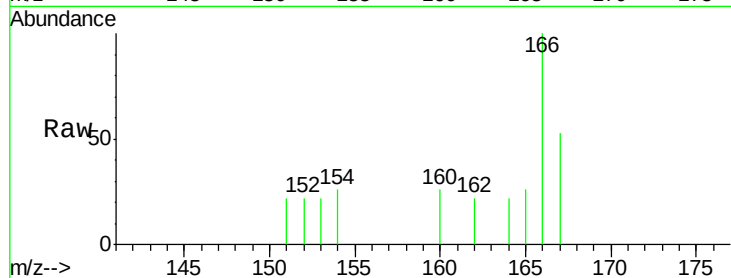




#9
 Fluorene
 Concen: 0.07 ng/ul
 RT: 15.36 min Scan# 924
 Delta R.T. -0.07 min
 Lab File: BM007963.D
 Acq: 21 Nov 2016 18:07

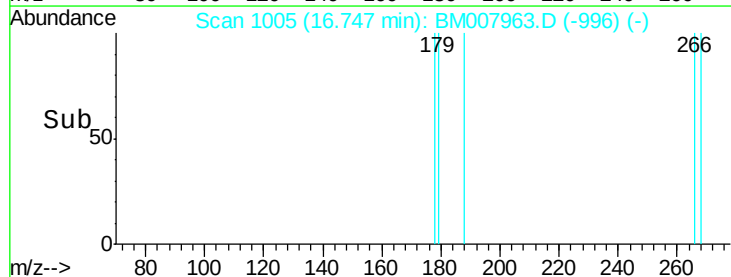
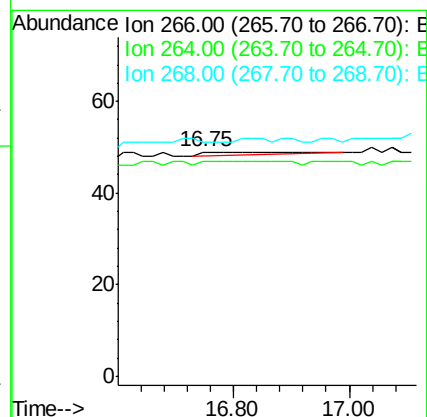
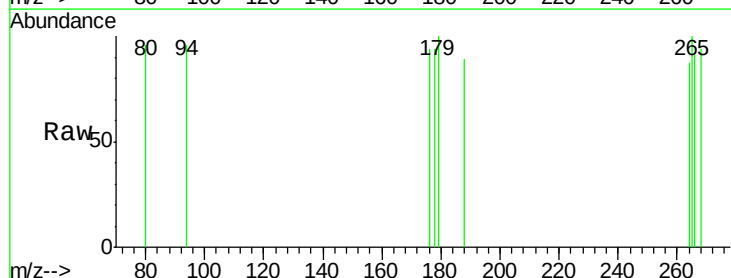
Instrument :
 BNA_M
 ClientSampleId :
 A4WD8

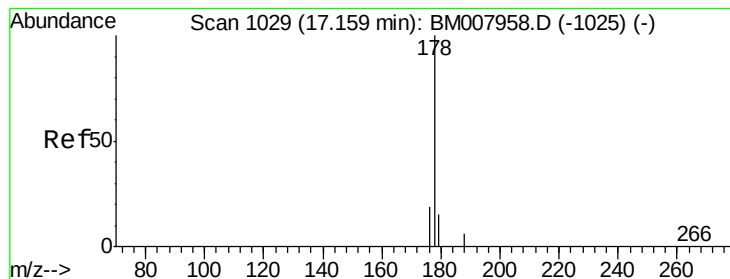
Tgt Ion:166 Resp: 340
 Ion Ratio Lower Upper
 166 100
 165 26.4 73.4 110.2#
 167 52.9 14.6 22.0#



#11
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.05 min
 Lab File: BM007963.D
 Acq: 21 Nov 2016 18:07

Tgt Ion:266 Resp: 8
 Ion Ratio Lower Upper
 266 100
 264 125.0 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: BM007963.D

Acq: 21 Nov 2016 18:07

Instrument :

BNA_M

ClientSampleId :

A4WD8

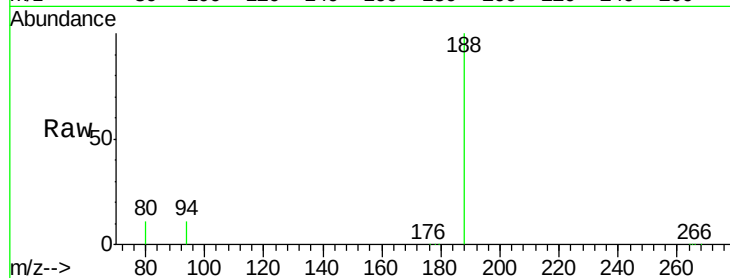
Tgt Ion:178 Resp: 136

Ion Ratio Lower Upper

178 100

176 50.5 18.4 27.6#

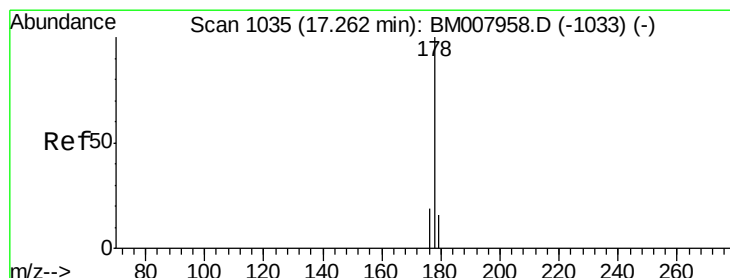
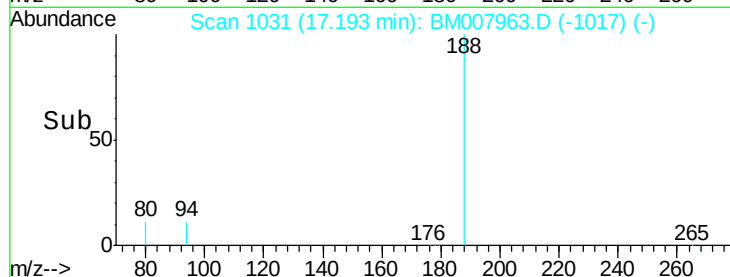
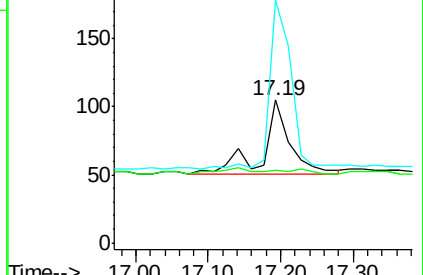
179 170.5 13.6 20.4#



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: BM007963.D

Acq: 21 Nov 2016 18:07

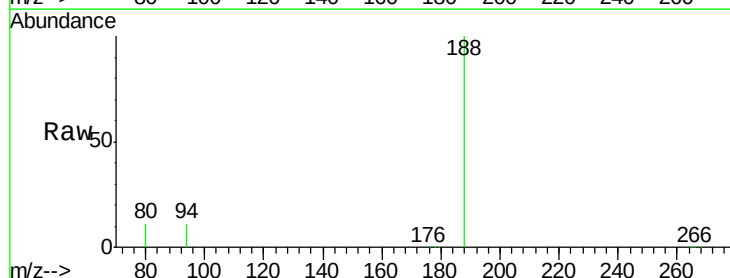
Tgt Ion:178 Resp: 91

Ion Ratio Lower Upper

178 100

176 50.5 18.1 27.1#

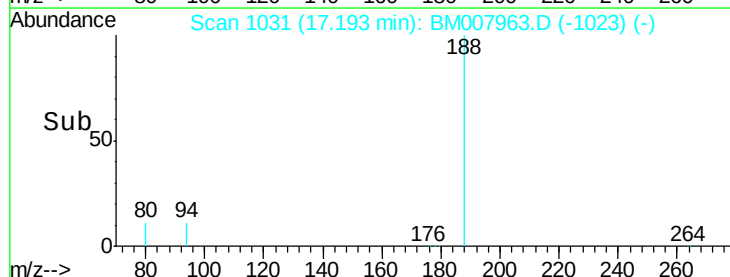
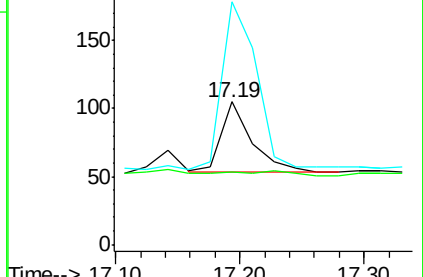
179 170.5 14.7 22.1#

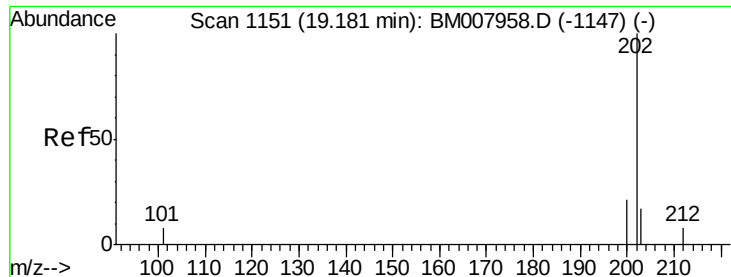


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.25 min Scan# 1157

Delta R.T. 0.07 min

Lab File: BM007963.D

Acq: 21 Nov 2016 18:07

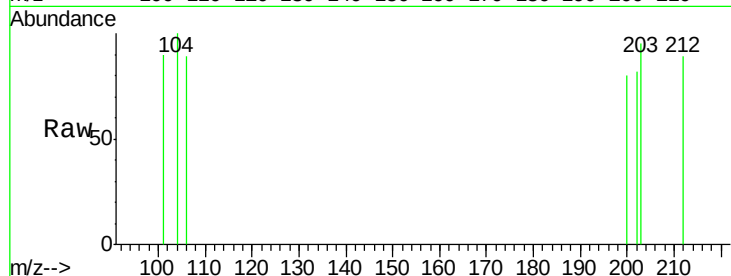
Instrument :

BNA_M

ClientSampleId :

A4WD8

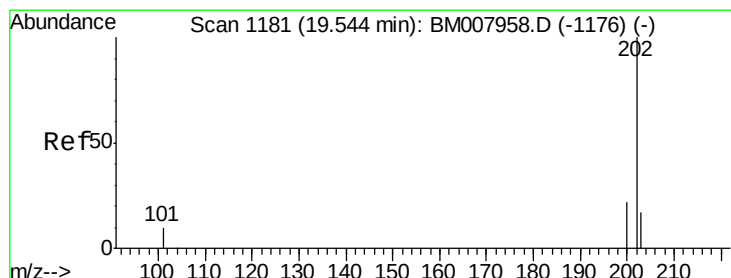
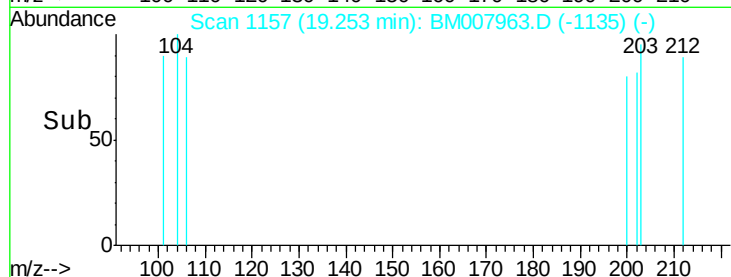
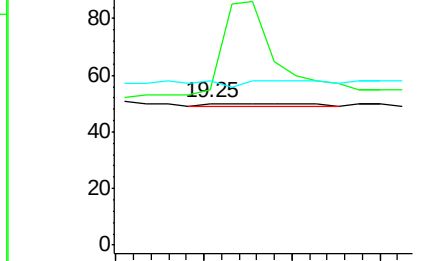
Tgt Ion:	202	Resp:	4
Ion	Ratio	Lower	Upper
202	100		
101	110.0	0.0	30.3#
203	116.0	0.0	39.5#



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

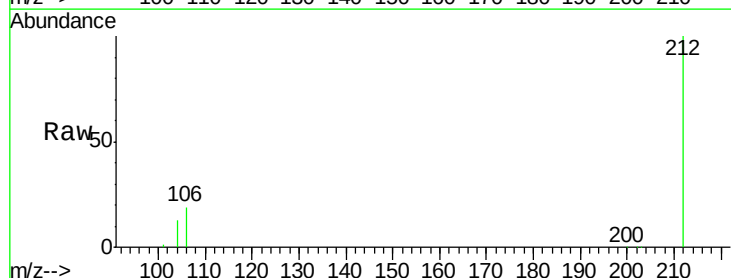
RT: 19.50 min Scan# 1177

Delta R.T. -0.05 min

Lab File: BM007963.D

Acq: 21 Nov 2016 18:07

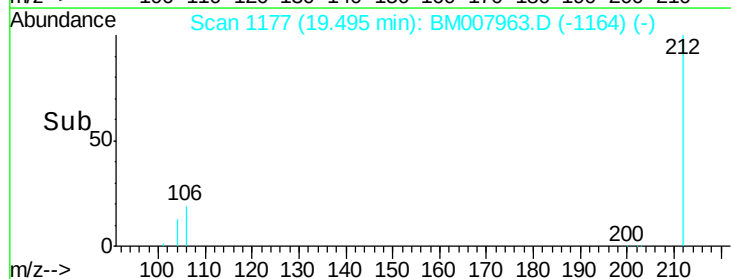
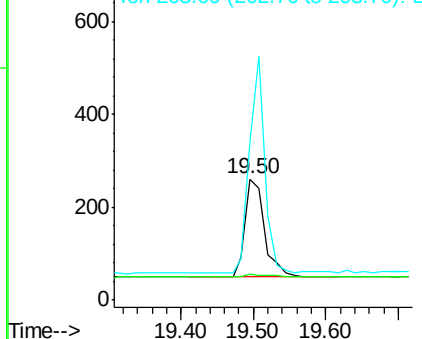
Tgt Ion:	202	Resp:	402
Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.2	27.4
203	130.3	15.6	23.4#

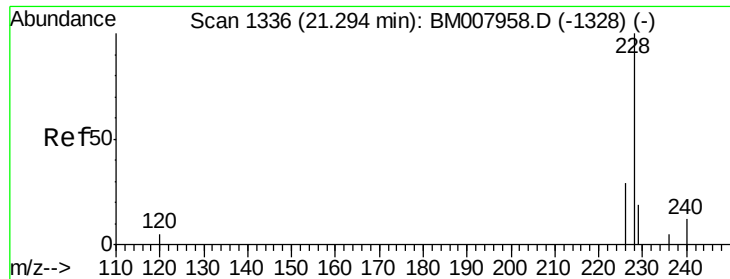


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.05 min

Lab File: BM007963.D

Acq: 21 Nov 2016 18:07

Instrument :

BNA_M

ClientSampleId :

A4WD8

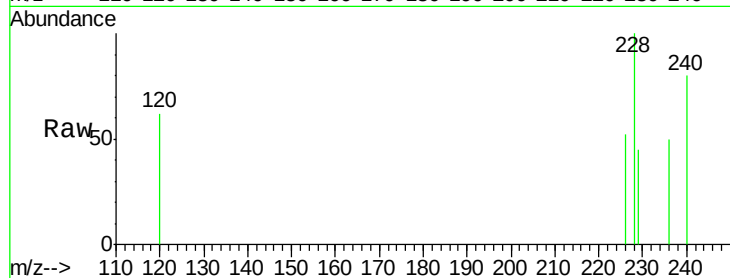
Tgt Ion:228 Resp: 289

Ion Ratio Lower Upper

228 100

226 52.3 22.8 34.2#

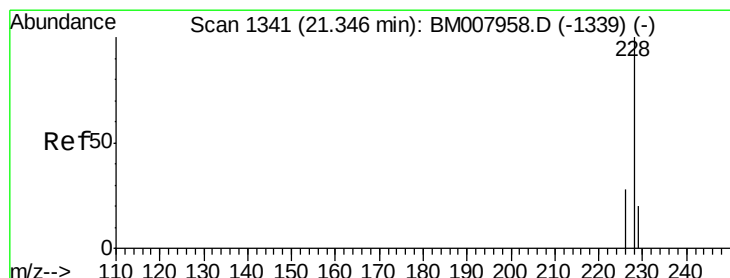
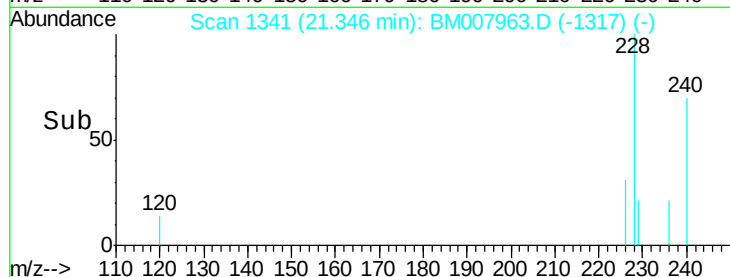
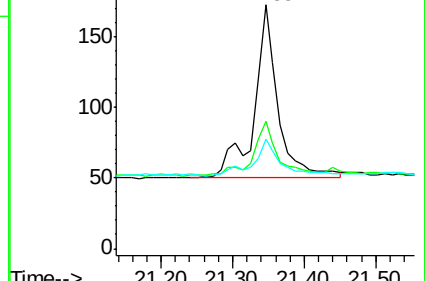
229 44.8 17.0 25.6#



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: BM007963.D

Acq: 21 Nov 2016 18:07

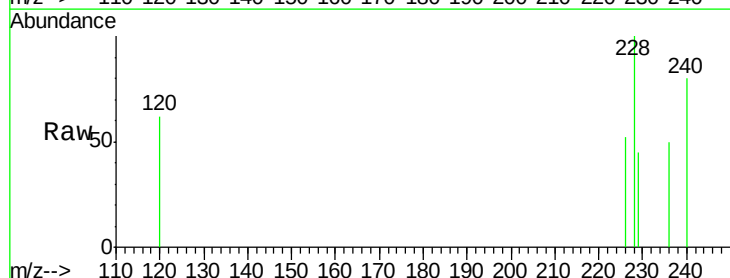
Tgt Ion:228 Resp: 298

Ion Ratio Lower Upper

228 100

226 52.3 23.4 35.0#

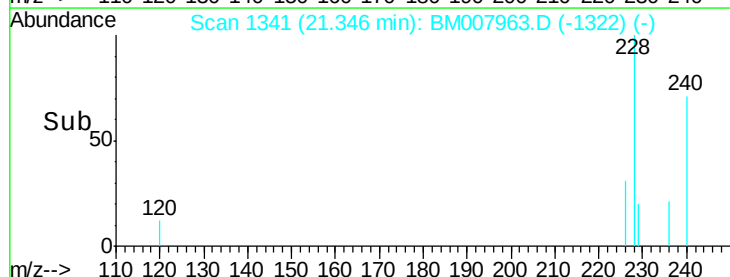
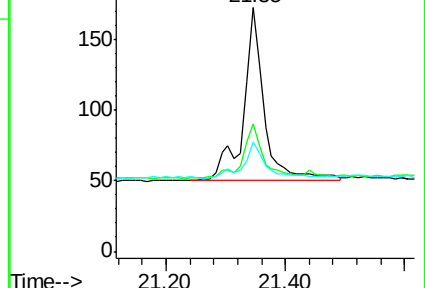
229 44.8 17.7 26.5#

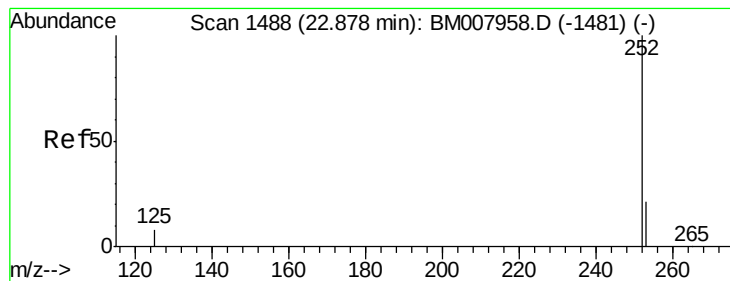


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.70 min Scan# 1471

Delta R.T. -0.18 min

Lab File: BM007963.D

Acq: 21 Nov 2016 18:07

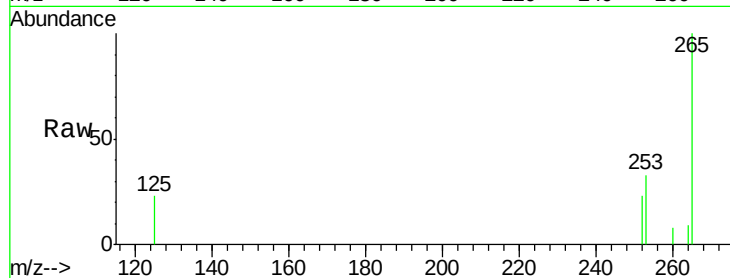
Instrument :

BNA_M

ClientSampleId :

A4WD8

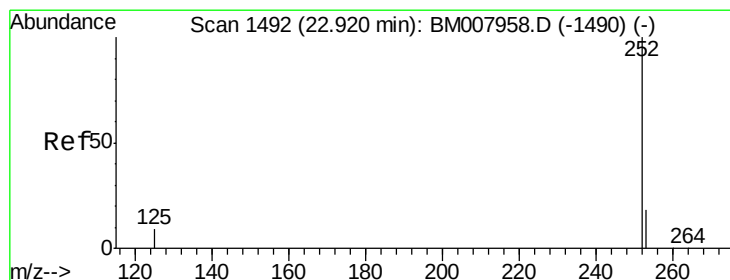
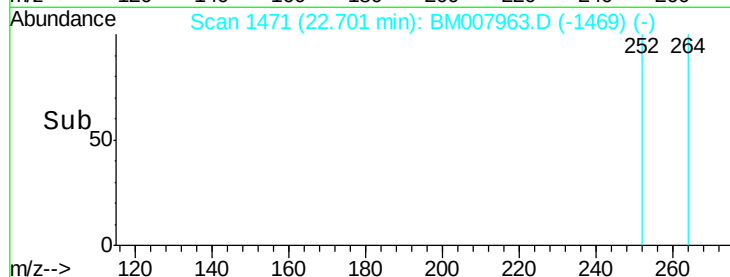
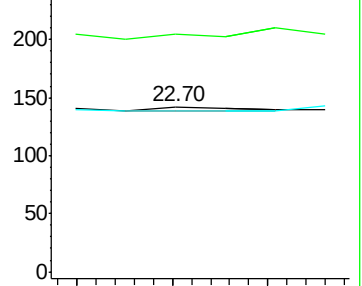
Tgt Ion:	252	Resp:	4
Ion	Ratio	Lower	Upper
252	100		
253	144.4	0.0	64.2#
125	97.9	0.0	35.0#



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

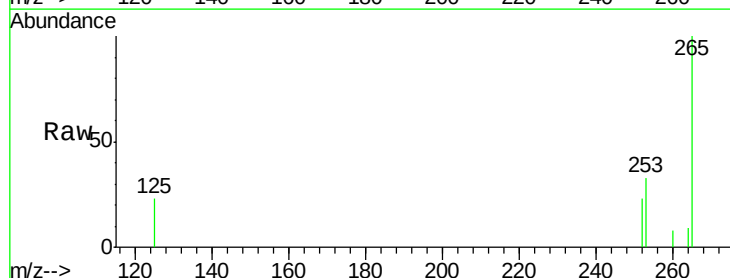
RT: 22.77 min Scan# 1478

Delta R.T. -0.15 min

Lab File: BM007963.D

Acq: 21 Nov 2016 18:07

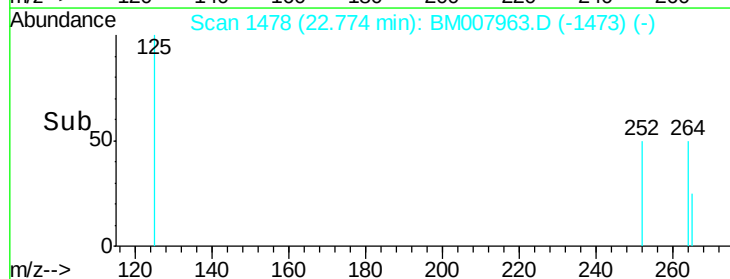
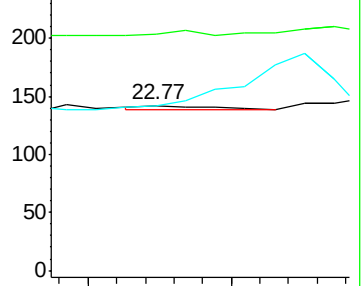
Tgt Ion:	252	Resp:	8
Ion	Ratio	Lower	Upper
252	100		
253	143.7	24.5	36.7#
125	100.0	13.7	20.5#

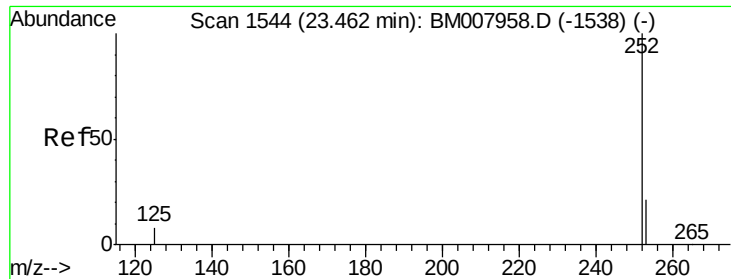


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM007963.D

Acq: 21 Nov 2016 18:07

Instrument :

BNA_M

ClientSampleId :

A4WD8

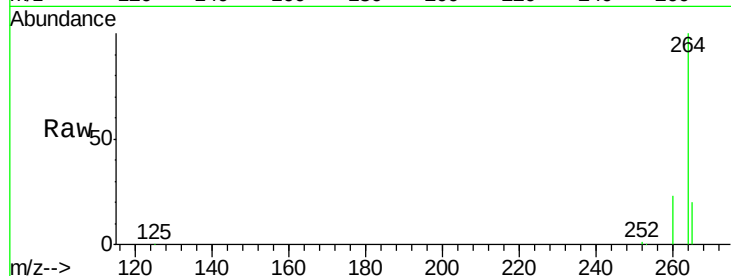
Tgt Ion: 252 Resp: 856

Ion Ratio Lower Upper

252 100

253 59.0 28.5 42.7#

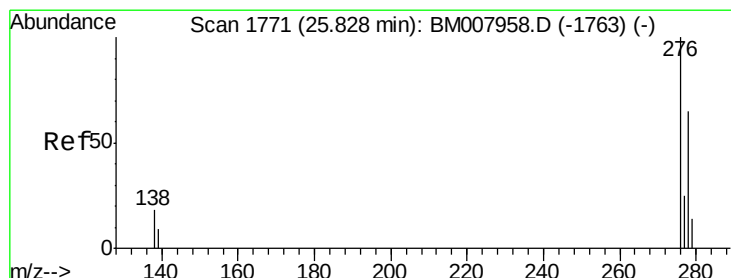
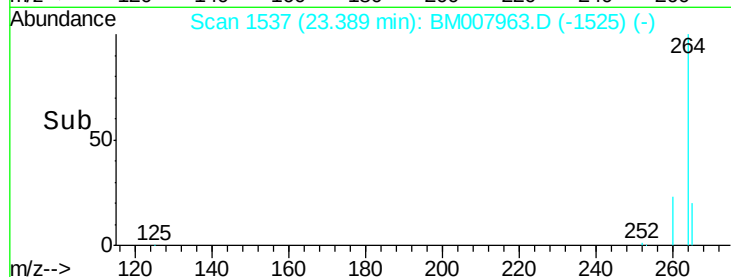
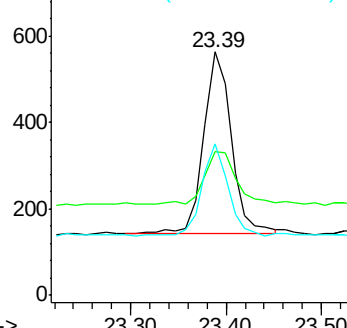
125 62.3 18.1 27.1#



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: BM007963.D

Acq: 21 Nov 2016 18:07

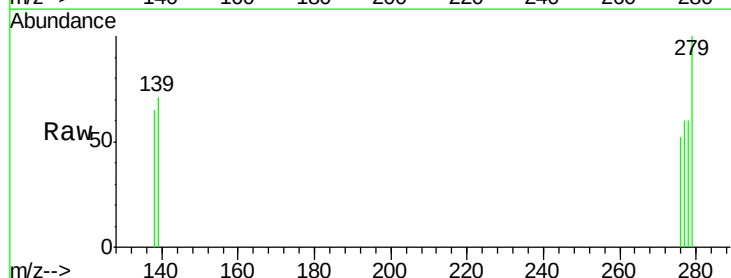
Tgt Ion: 276 Resp: 943

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

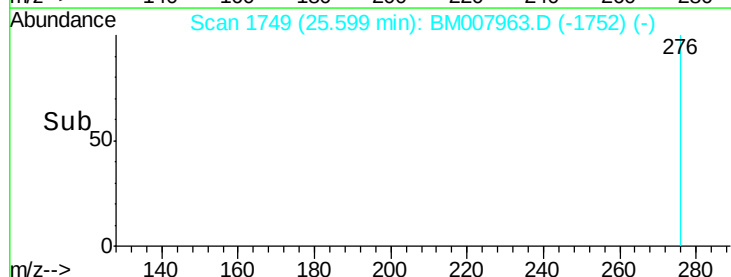
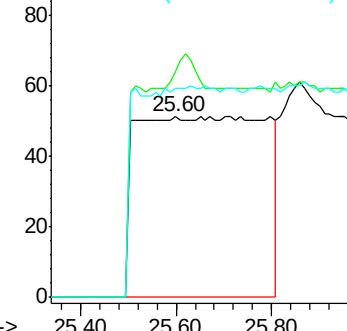
277 0.0 19.6 29.4#

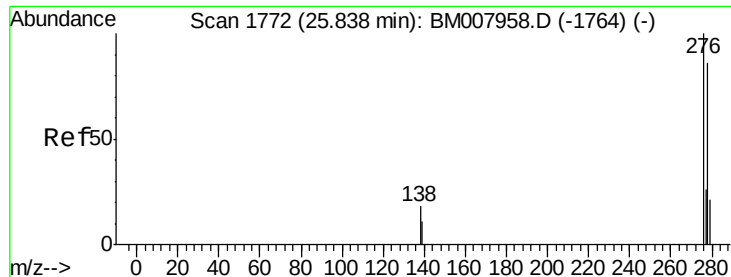


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



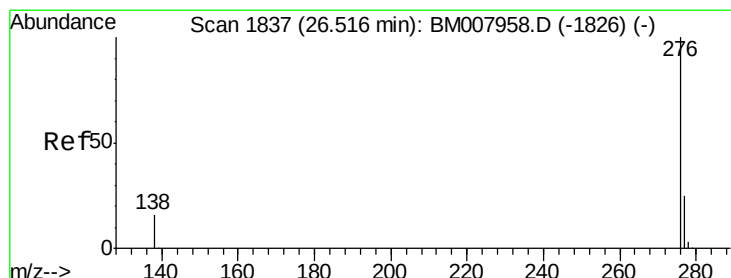
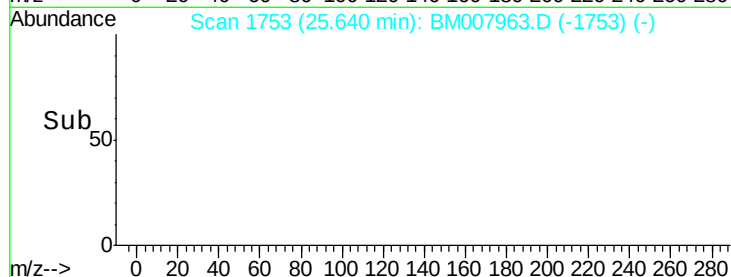
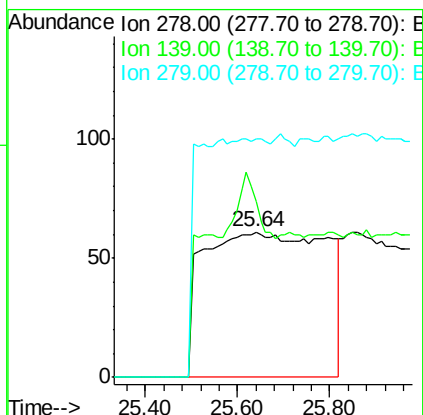
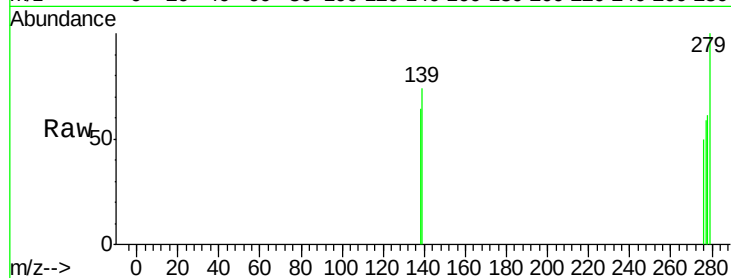


#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.64 min Scan# 1753
Delta R.T. -0.20 min
Lab File: BM007963.D
Acq: 21 Nov 2016 18:07

Instrument :
BNA_M
ClientSampleId :
A4WD8

Tgt Ion: 278 Resp: 1113

Ion	Ratio	Lower	Upper
278	100		
139	121.3	17.4	26.0#
279	163.9	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.36 min Scan# 1822
Delta R.T. -0.16 min
Lab File: BM007963.D
Acq: 21 Nov 2016 18:07

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#

