

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008073.D
 Acq On : 24 Nov 2016 14:29
 Operator : UM/SJ
 Sample : H5701-07
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD2

Quant Time: Nov 25 01:29:57 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	673	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2339	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1393	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2644	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2801	0.40	ng/ul	-0.01
20) Perylene-d12	23.38	264	109086	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	494	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1213	0.16	ng/ul	0.00

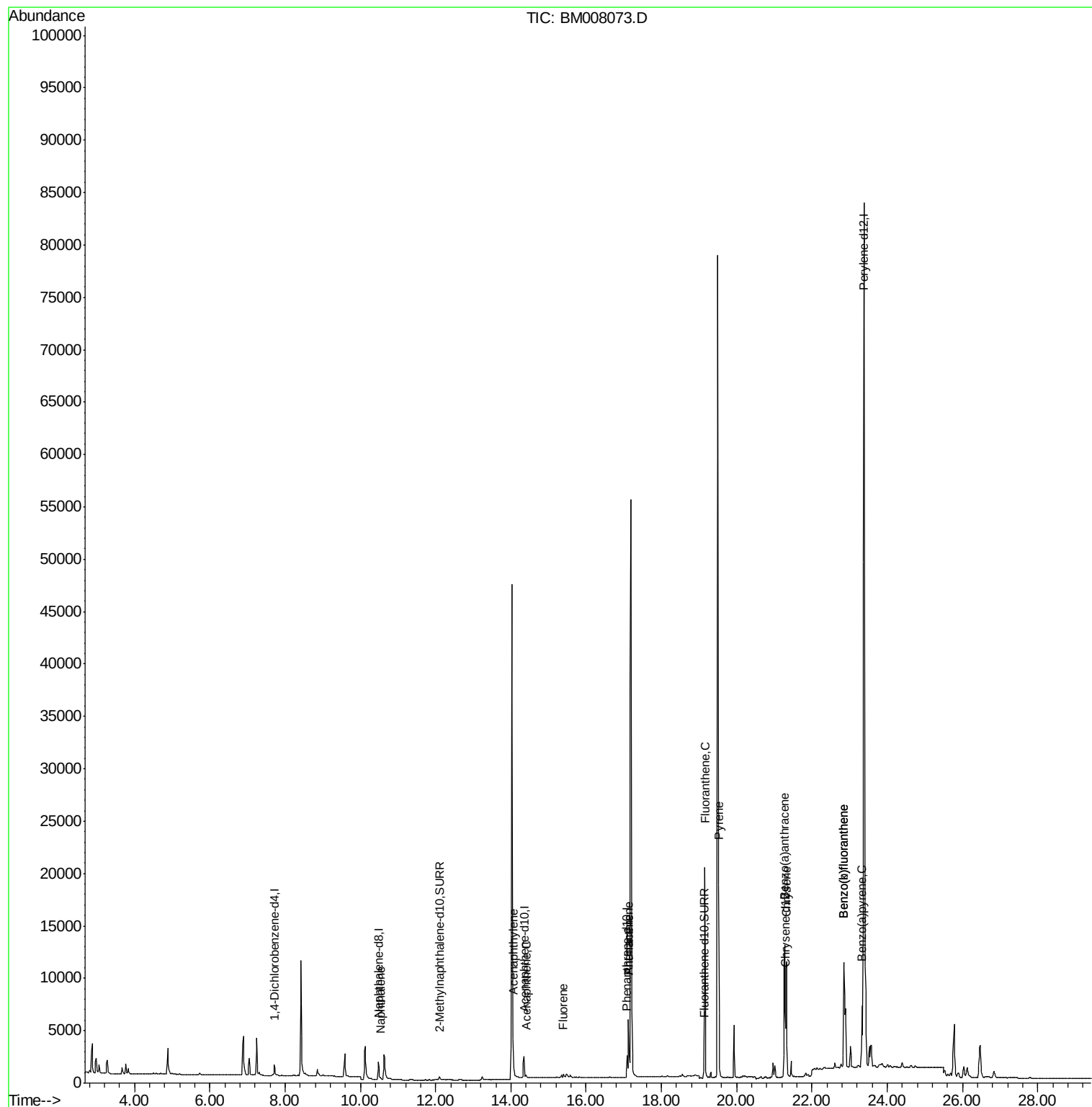
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	134	0.02	ng/ul#	19
7) Acenaphthylene	14.06	152	1472	0.23	ng/ul	95
8) Acenaphthene	14.40	153	193	0.04	ng/ul#	91
9) Fluorene	15.39	166	352	0.06	ng/ul#	78
12) Phenanthrene	17.12	178	6417	0.78	ng/ul	97
13) Anthracene	17.12	178	6417	0.83	ng/ul	96
15) Fluoranthene	19.16	202	19468	1.83	ng/ul	93
17) Pyrene	19.52	202	17359	1.79	ng/ul	96
18) Benzo(a)anthracene	21.27	228	13006	1.51	ng/ul	97
19) Chrysene	21.32	228	11950	1.12	ng/ul	97
21) Benzo(b)fluoranthene	22.85	252	12604	0.03	ng/ul	85
22) Benzo(k)fluoranthene	22.85	252	23073	0.05	ng/ul#	87
23) Benzo(a)pyrene	23.33	252	8429	0.02	ng/ul#	83

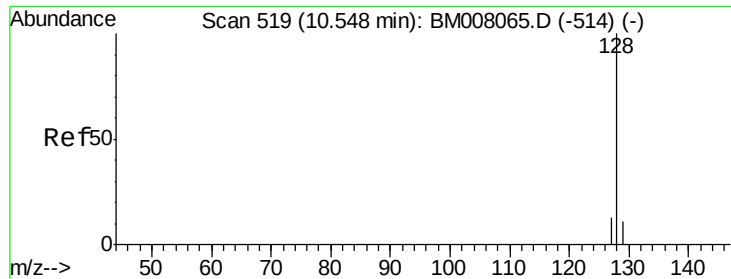
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.54 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Instrument :

BNA_M

ClientSampleId :

A4WD2

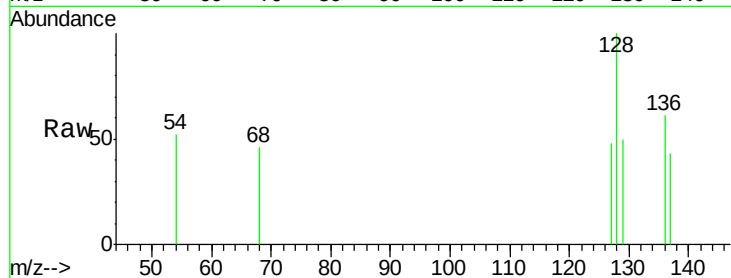
Tgt Ion:128 Resp: 134

Ion Ratio Lower Upper

128 100

129 50.0 11.3 16.9#

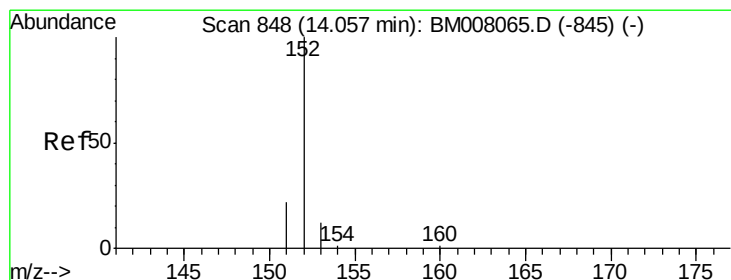
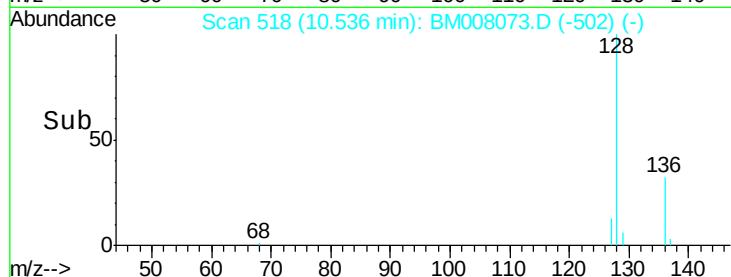
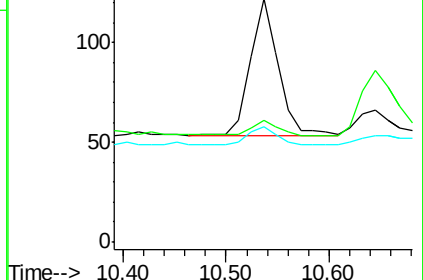
127 47.5 12.8 19.2#



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



#7

Acenaphthylene

Concen: 0.23 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

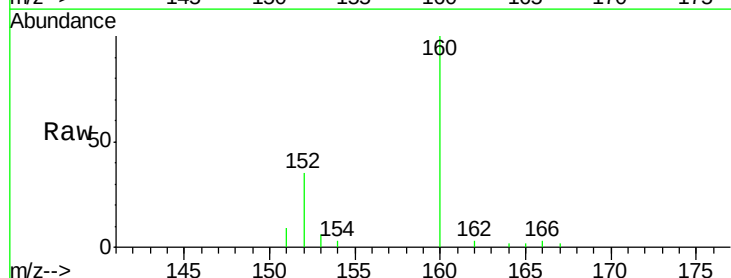
Tgt Ion:152 Resp: 1472

Ion Ratio Lower Upper

152 100

151 24.3 17.1 25.7

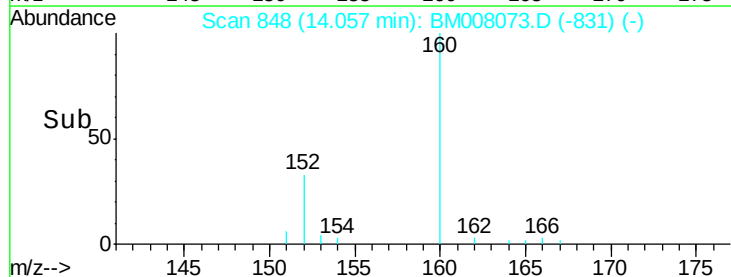
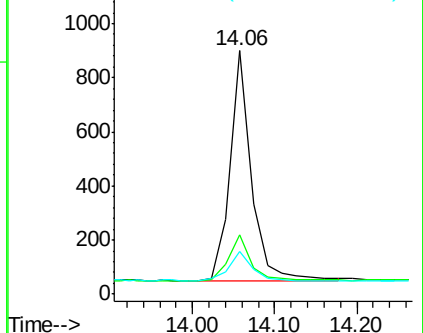
153 17.7 12.8 19.2

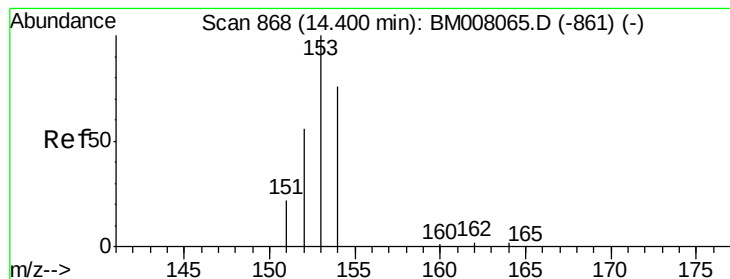


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.04 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. 0.00 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Instrument :

BNA_M

ClientSampleId :

A4WD2

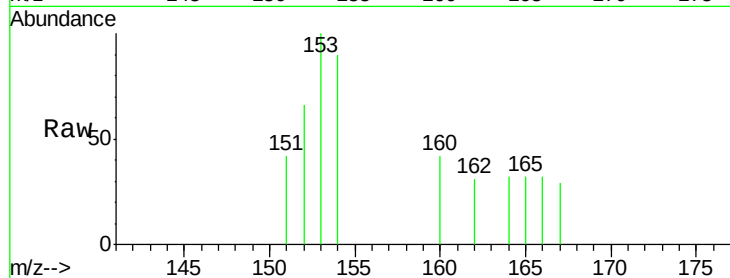
Tgt Ion:153 Resp: 193

Ion Ratio Lower Upper

153 100

152 66.1 40.3 60.5#

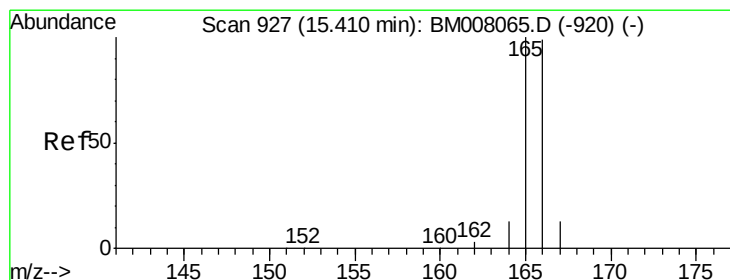
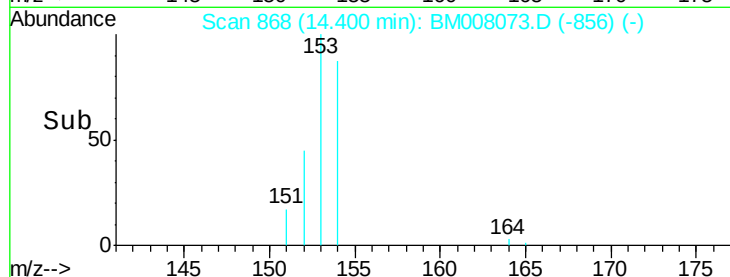
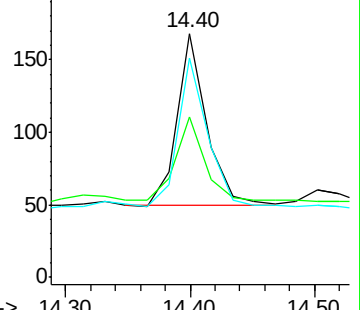
154 89.9 71.4 107.2



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: 0.06 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

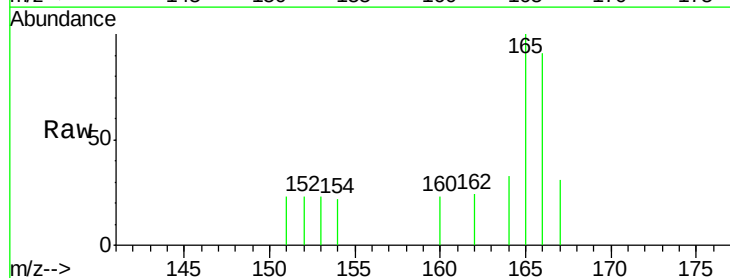
Tgt Ion:166 Resp: 352

Ion Ratio Lower Upper

166 100

165 110.1 73.4 110.2

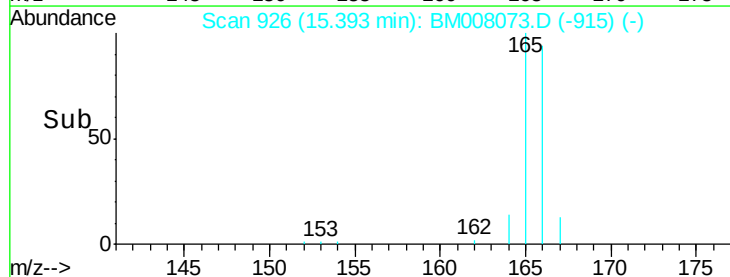
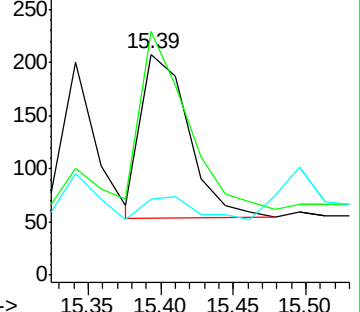
167 34.6 14.6 22.0#

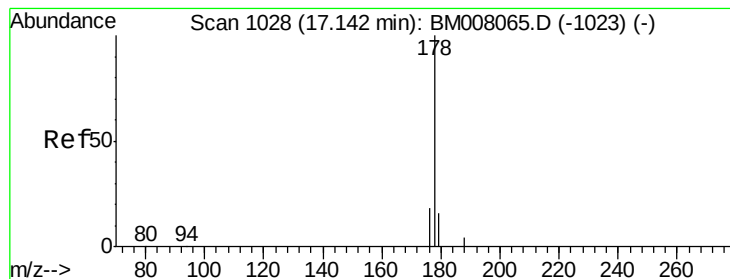


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.78 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Instrument :

BNA_M

ClientSampleId :

A4WD2

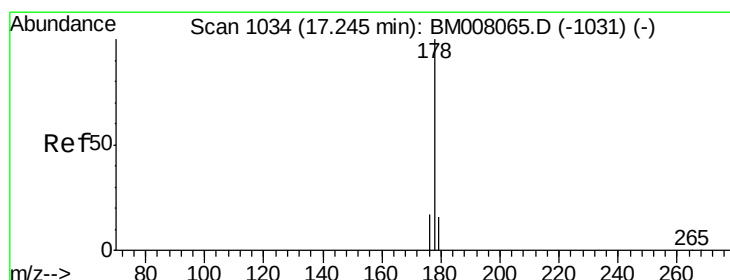
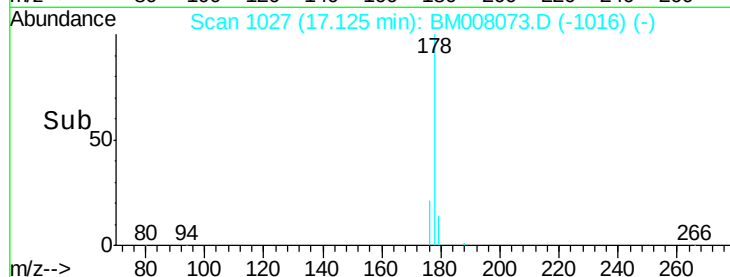
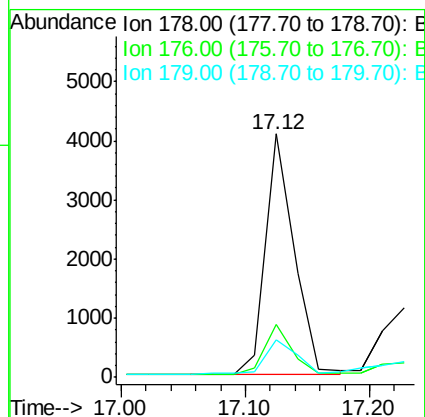
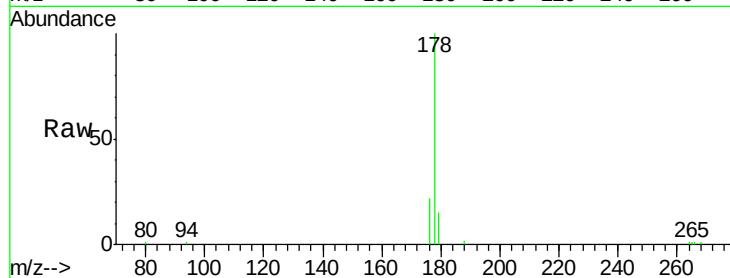
Tgt Ion:178 Resp: 6417

Ion Ratio Lower Upper

178 100

176 21.8 18.4 27.6

179 15.5 13.6 20.4



#13

Anthracene

Concen: 0.83 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.12 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

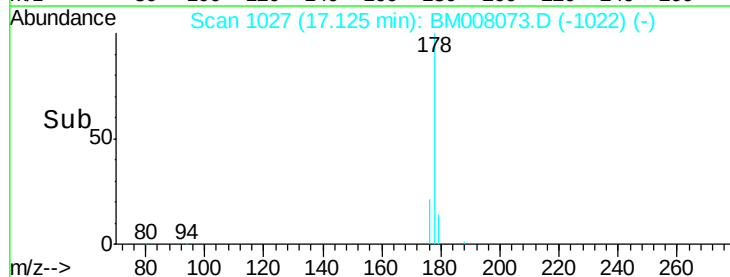
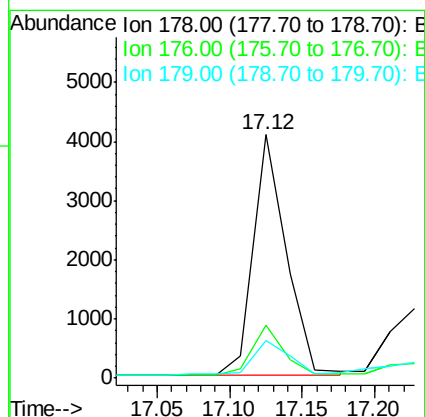
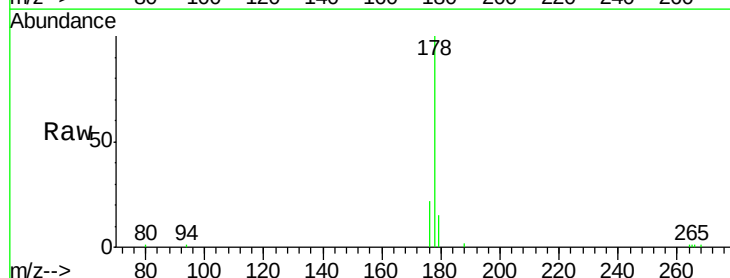
Tgt Ion:178 Resp: 6417

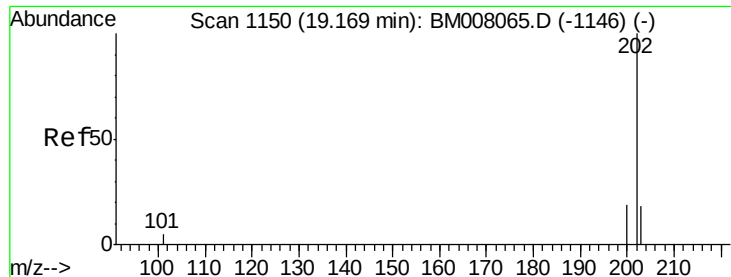
Ion Ratio Lower Upper

178 100

176 21.8 18.1 27.1

179 15.5 14.7 22.1





#15

Fluoranthene

Concen: 1.83 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Instrument :

BNA_M

ClientSampleId :

A4WD2

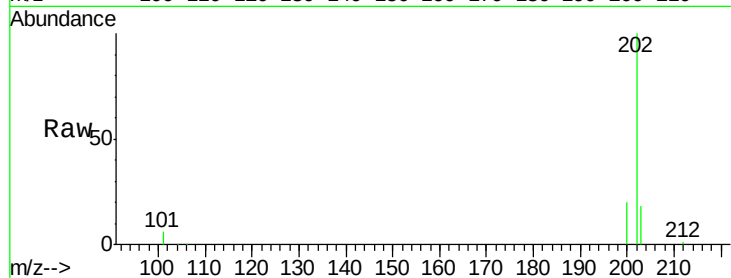
Tgt Ion:202 Resp: 19468

Ion Ratio Lower Upper

202 100

101 5.8 0.0 30.3

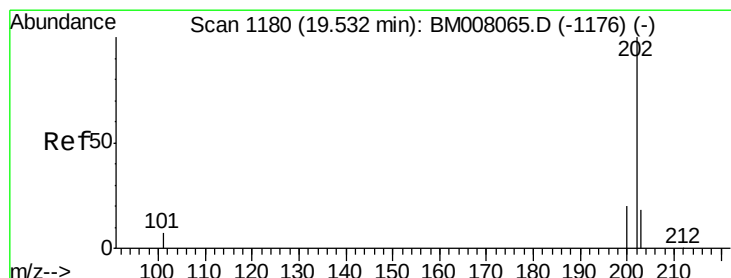
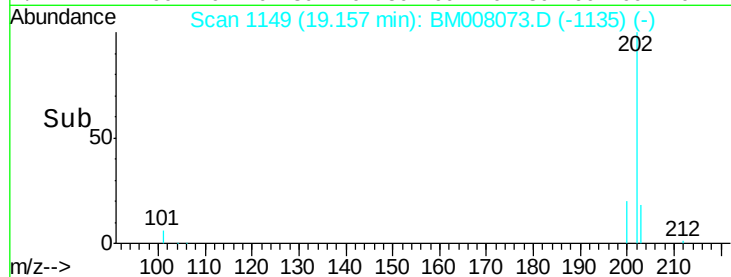
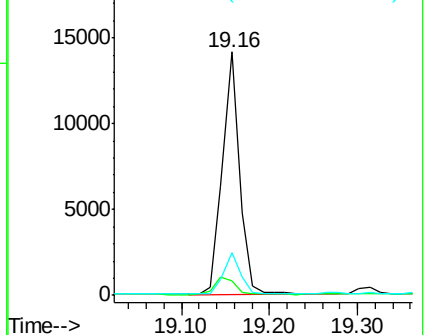
203 17.6 0.0 39.5



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: 1.79 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

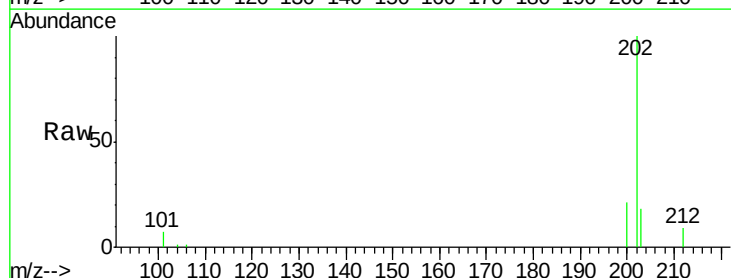
Tgt Ion:202 Resp: 17359

Ion Ratio Lower Upper

202 100

200 20.9 18.2 27.4

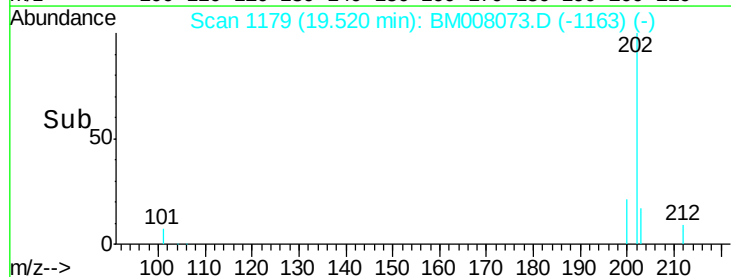
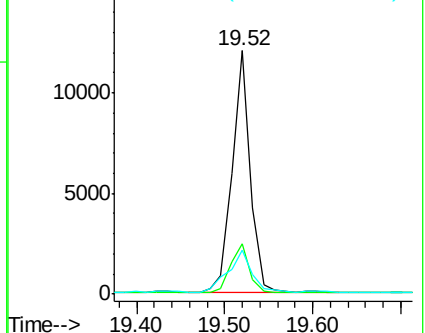
203 18.1 15.6 23.4

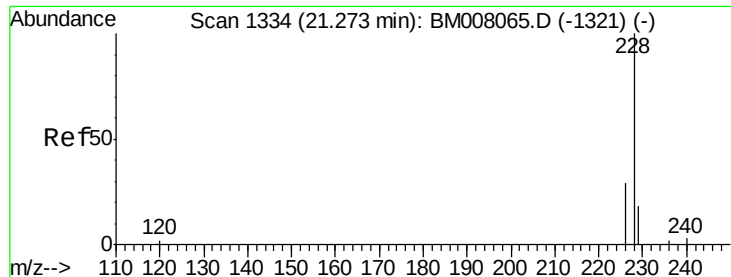


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.51 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Instrument :

BNA_M

ClientSampled :

A4WD2

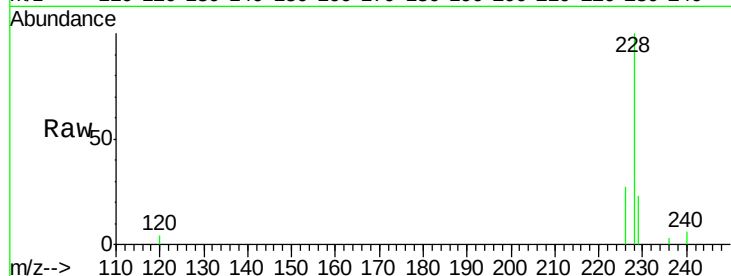
Tgt Ion:228 Resp: 13006

Ion Ratio Lower Upper

228 100

226 26.7 22.8 34.2

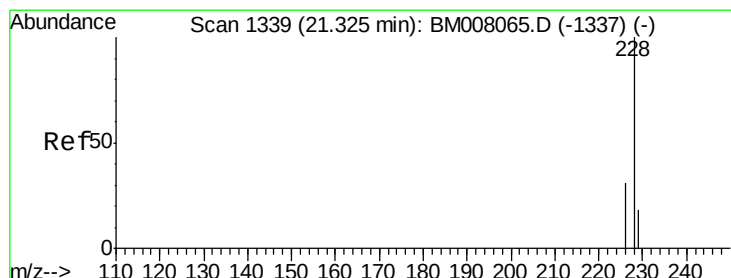
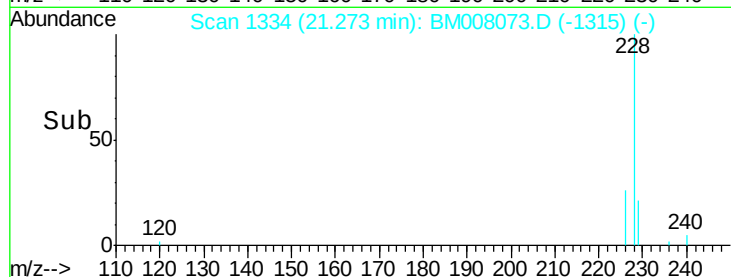
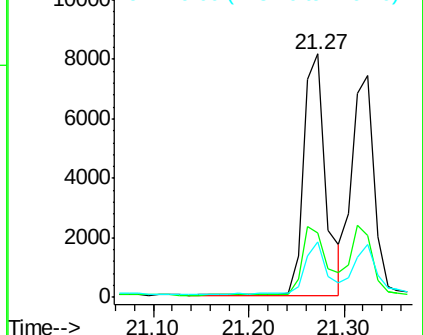
229 23.0 17.0 25.6



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: 1.12 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

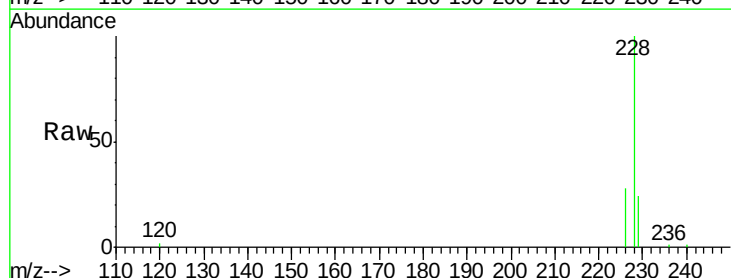
Tgt Ion:228 Resp: 11950

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.0

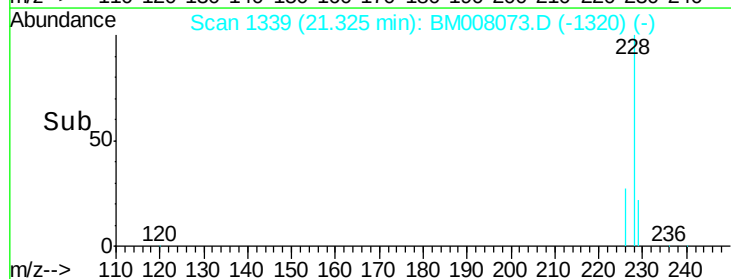
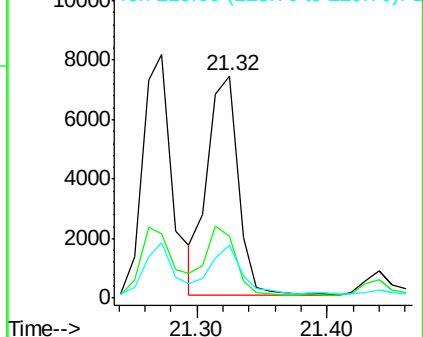
229 23.6 17.7 26.5

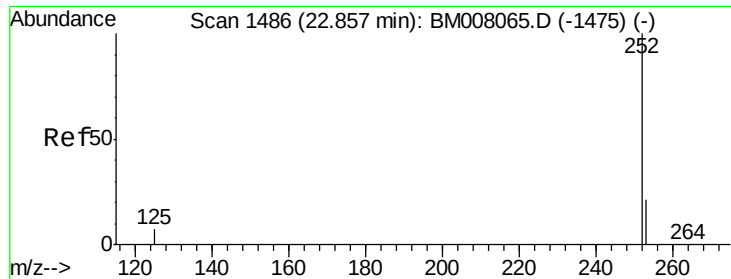


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.03 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

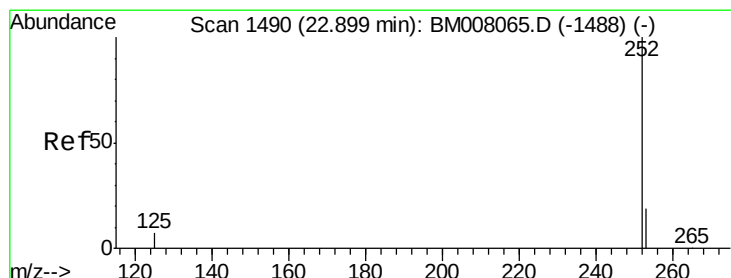
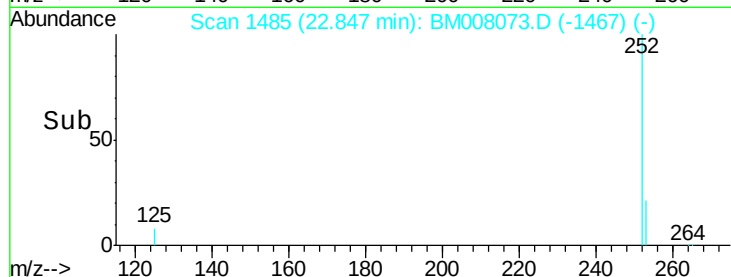
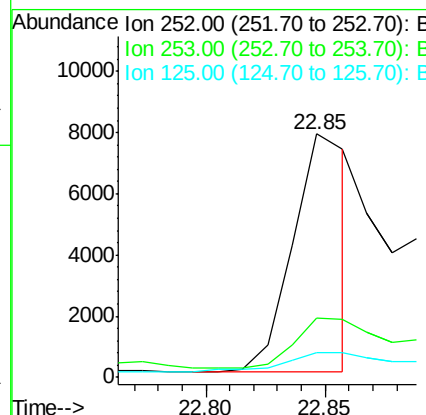
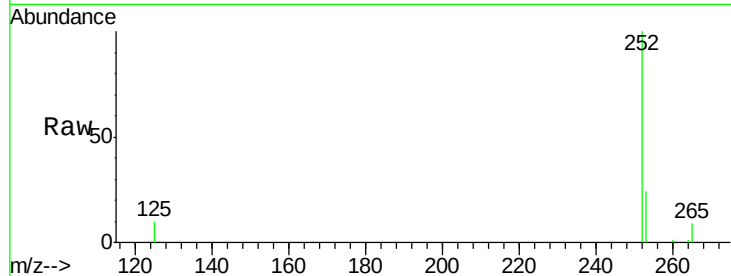
Instrument :

BNA_M

ClientSampleId :

A4WD2

Tgt Ion:	252	Resp:	12604
Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	64.2
125	10.1	0.0	35.0



#22

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

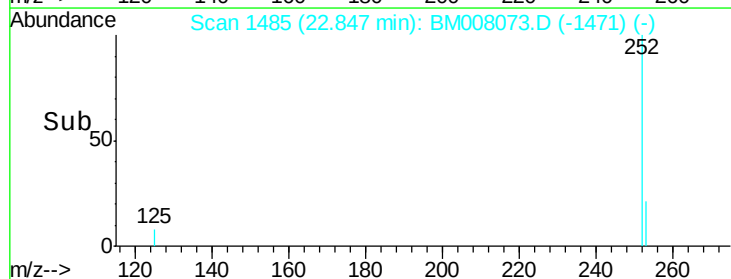
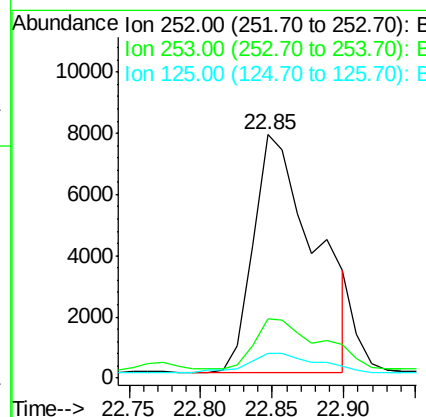
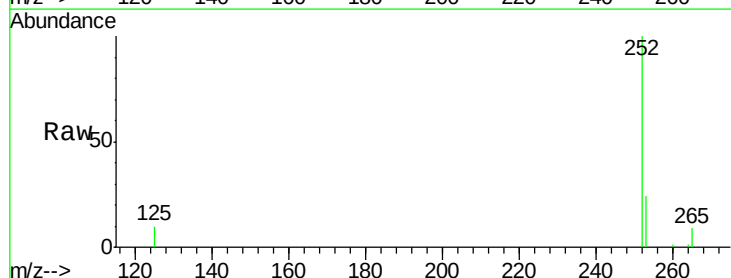
RT: 22.85 min Scan# 1485

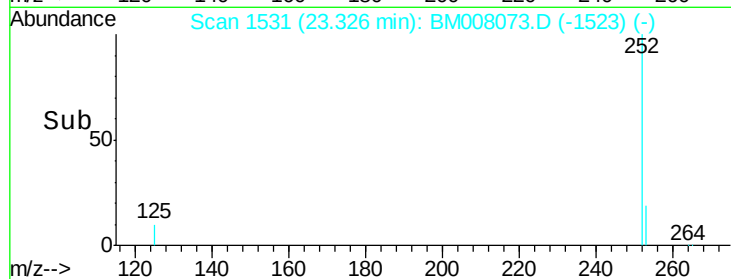
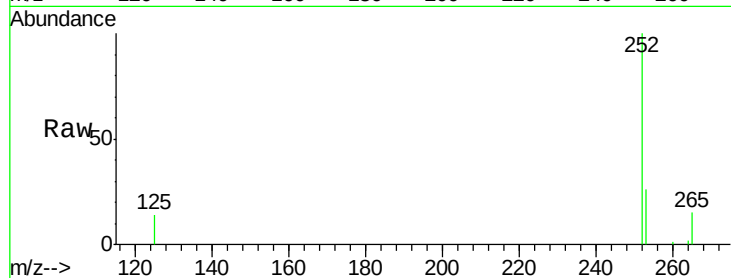
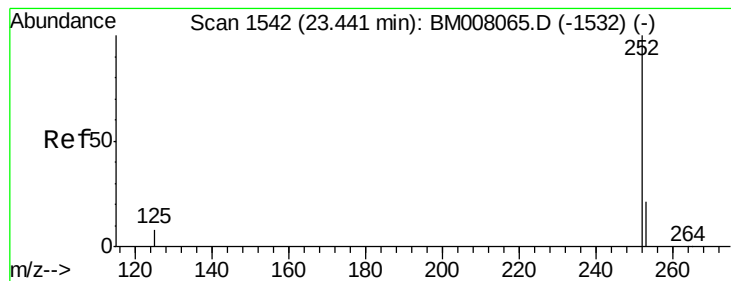
Delta R.T. -0.05 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Tgt Ion:	252	Resp:	23073
Ion	Ratio	Lower	Upper
252	100		
253	24.1	24.5	36.7#
125	10.1	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. -0.11 min

Lab File: BM008073.D

Acq: 24 Nov 2016 14:29

Instrument :

BNA_M

ClientSampleId :

A4WD2

Tgt Ion: 252 Resp: 8429

Ion Ratio Lower Upper

252 100

253 26.2 28.5 42.7#

125 13.8 18.1 27.1#

