

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122016\
 Data File : BM008479.D
 Acq On : 20 Dec 2016 15:04
 Operator : UM/SJ
 Sample : H6039-25
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8R0

Quant Time: Dec 21 01:27:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:24:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	283	0.40	ng/ul	0.02
2) Naphthalene-d8	10.49	136	1023	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.31	164	638	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1188	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	1191	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	1161	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	561	0.36	ng/ul	0.01
14) Fluoranthene-d10	19.10	212	1398	0.43	ng/ul	0.00

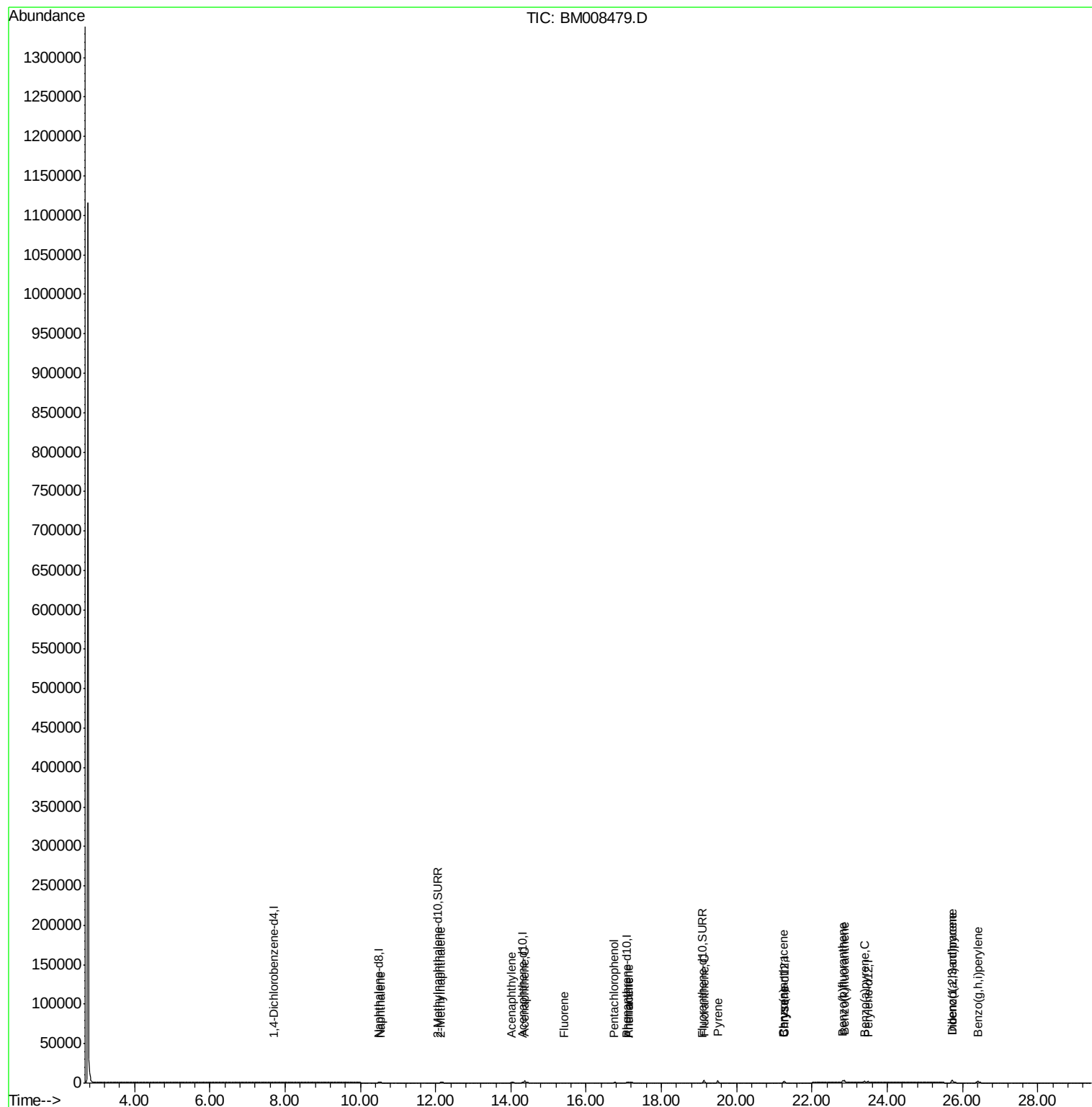
Target Compounds				Qvalue		
3) Naphthalene	10.54	128	1530	0.53	ng/ul#	81
5) 2-Methylnaphthalene	12.14	142	1938	1.00	ng/ul	99
7) Acenaphthylene	14.02	152	1609	0.56	ng/ul#	92
8) Acenaphthene	14.37	153	3078	1.42	ng/ul	97
9) Fluorene	15.41	166	51	0.02	ng/ul#	66
11) Pentachlorophenol	16.75	266	528	1.43	ng/ul	94
12) Phenanthrene	17.12	178	2258	0.62	ng/ul#	91
13) Anthracene	17.12	178	2408	0.68	ng/ul#	92
15) Fluoranthene	19.13	202	4478	1.01	ng/ul	96
17) Pyrene	19.50	202	3807	0.83	ng/ul	98
18) Benzo(a)anthracene	21.25	228	2296	0.59	ng/ul	95
19) Chrysene	21.25	228	2338	0.55	ng/ul	96
21) Benzo(b)fluoranthene	22.82	252	3441	0.75	ng/ul	97
22) Benzo(k)fluoranthene	22.86	252	4282	0.96	ng/ul	96
23) Benzo(a)pyrene	23.39	252	2203	0.52	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.72	276	4199	0.83	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.72	278	4098	1.02	ng/ul	96
26) Benzo(g,h,i)perylene	26.40	276	4514	1.04	ng/ul#	94

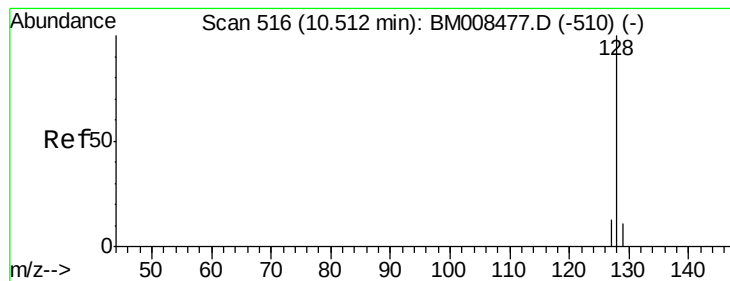
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.53 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. 0.02 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

Instrument :

BNA_M

ClientSampleId :

DA8R0

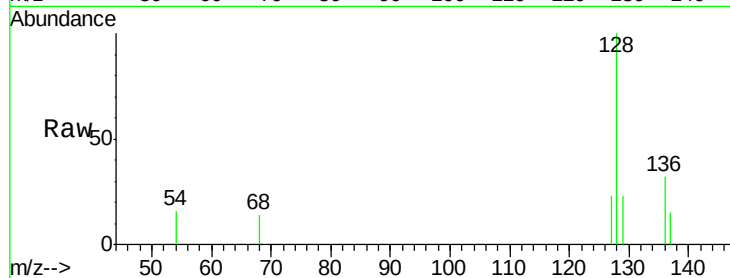
Tgt Ion:128 Resp: 1530

Ion Ratio Lower Upper

128 100

129 22.6 11.3 16.9#

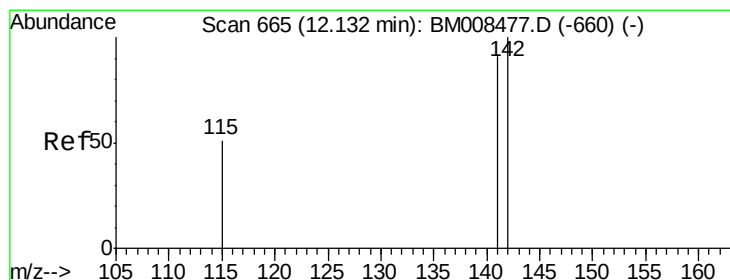
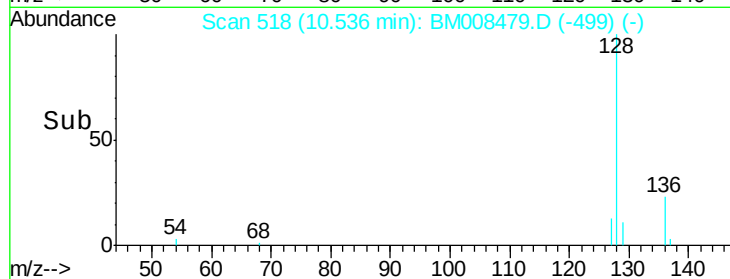
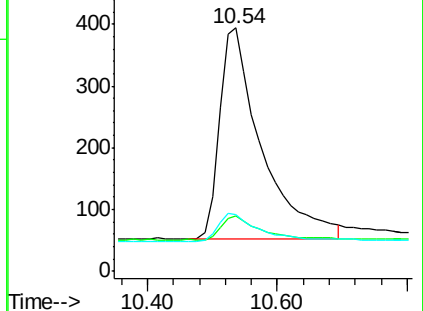
127 23.4 12.8 19.2#



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: 1.00 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM008479.D

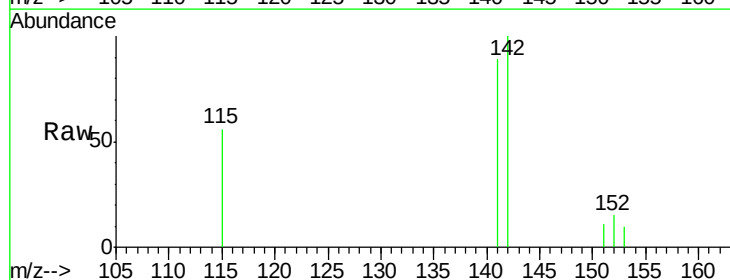
Acq: 20 Dec 2016 15:04

Tgt Ion:142 Resp: 1938

Ion Ratio Lower Upper

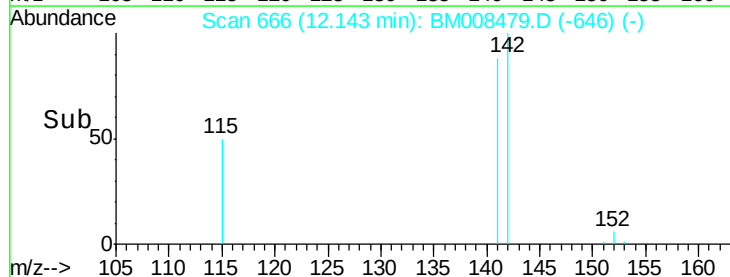
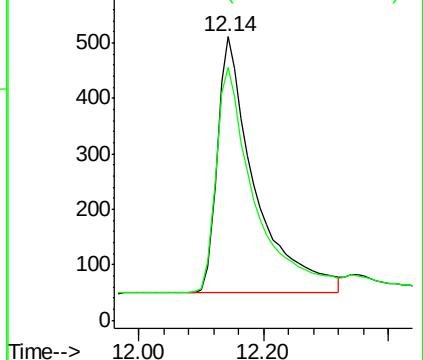
142 100

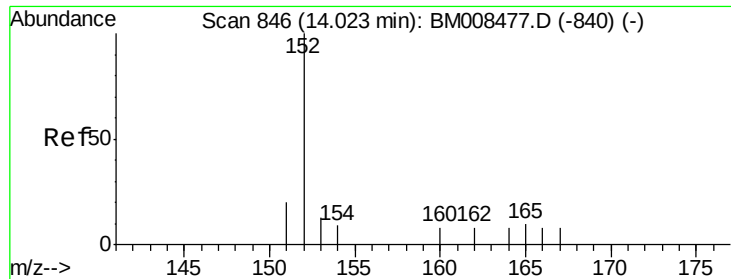
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.56 ng/ul

RT: 14.02 min Scan# 846

Delta R.T. -0.00 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

Instrument :

BNA_M

ClientSampleId :

DA8R0

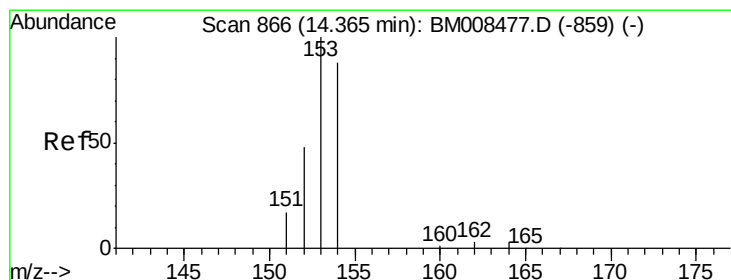
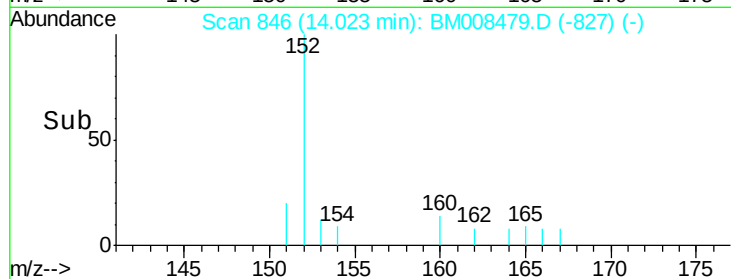
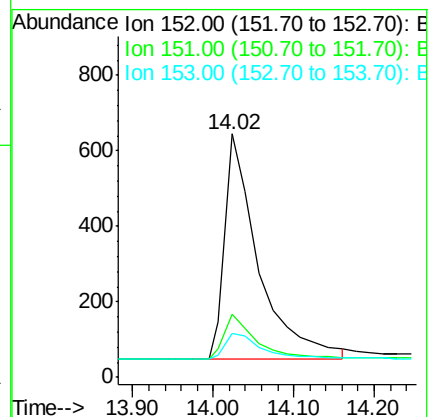
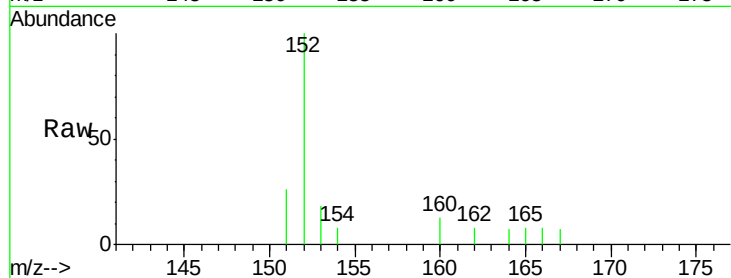
Tgt Ion:152 Resp: 1609

Ion Ratio Lower Upper

152 100

151 26.2 17.1 25.7#

153 18.3 12.8 19.2



#8

Acenaphthene

Concen: 1.42 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. -0.00 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

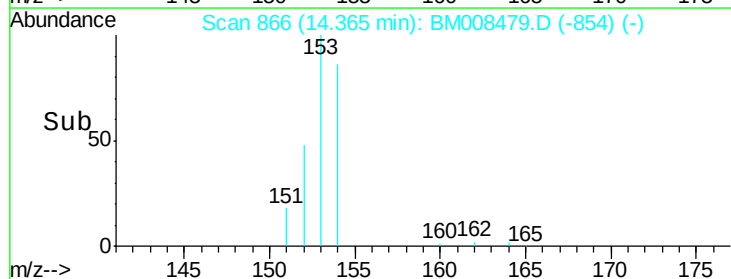
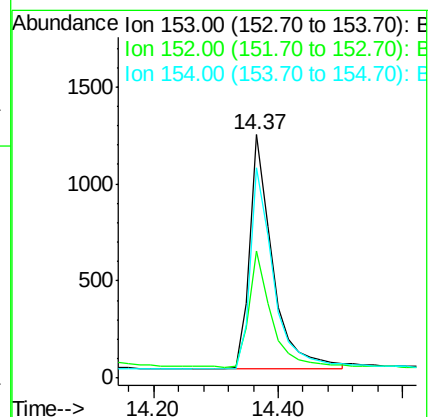
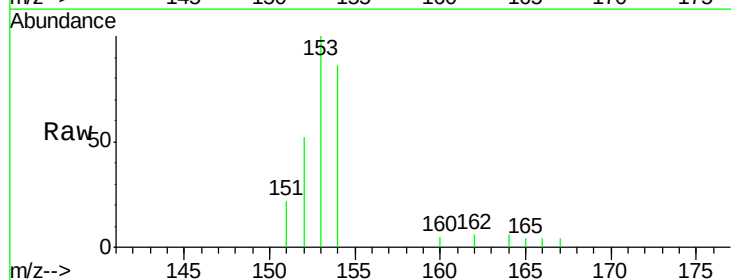
Tgt Ion:153 Resp: 3078

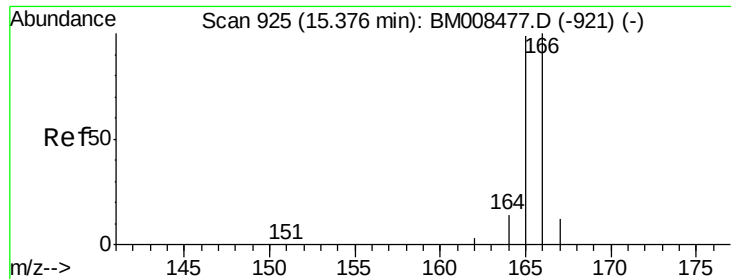
Ion Ratio Lower Upper

153 100

152 52.5 40.3 60.5

154 86.4 71.4 107.2

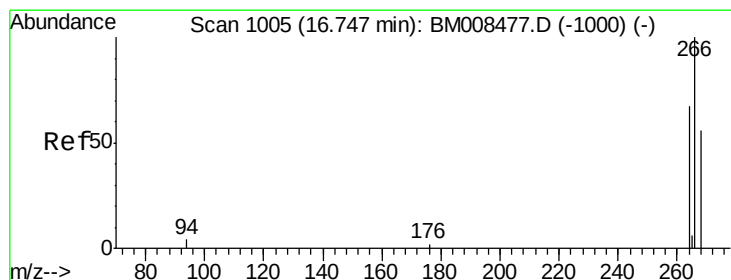
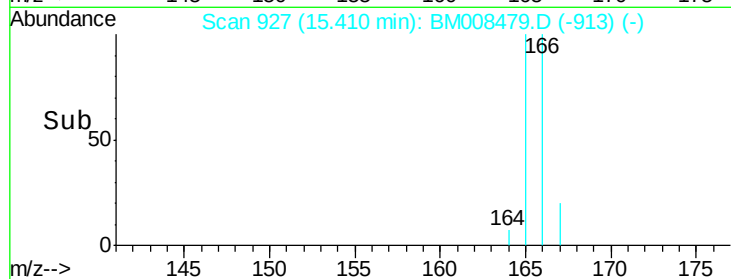
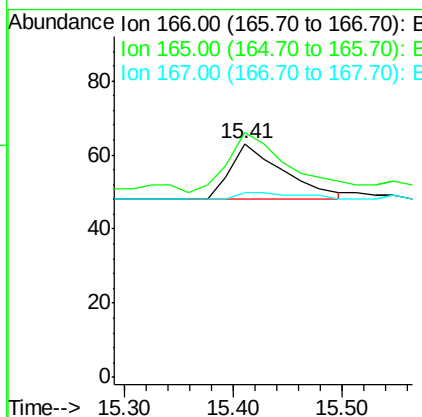
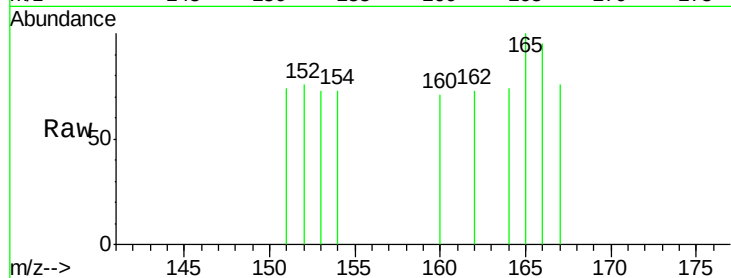




#9
Fluorene
 Concen: 0.02 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. 0.03 min
 Lab File: BM008479.D
 Acq: 20 Dec 2016 15:04

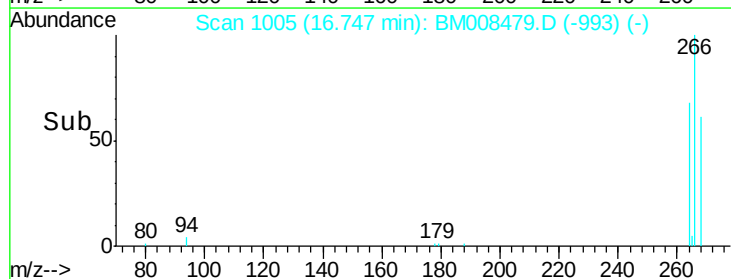
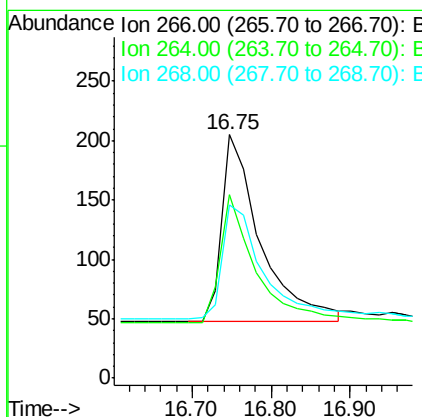
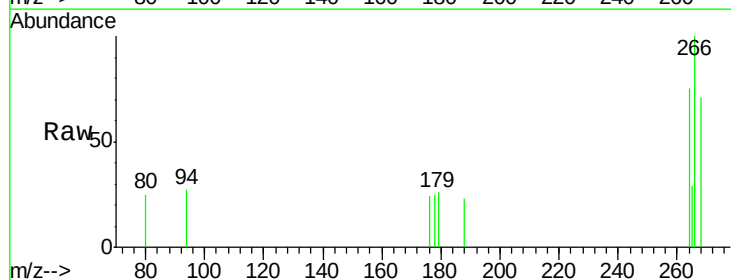
Instrument :
 BNA_M
 ClientSampleId :
 DA8R0

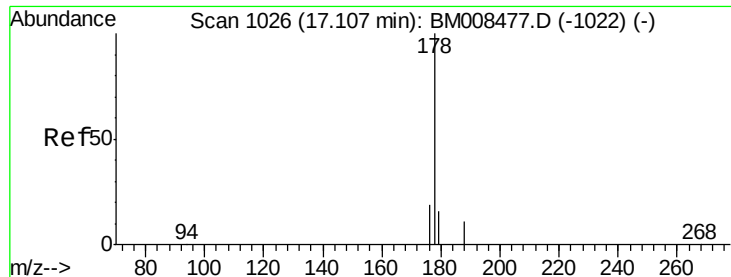
Tgt Ion:166 Resp: 51
 Ion Ratio Lower Upper
 166 100
 165 104.8 73.4 110.2
 167 79.4 14.6 22.0#



#11
Pentachlorophenol
 Concen: 1.43 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BM008479.D
 Acq: 20 Dec 2016 15:04

Tgt Ion:266 Resp: 528
 Ion Ratio Lower Upper
 266 100
 264 66.3 47.9 71.9
 268 64.8 49.8 74.8





#12

Phenanthrene

Concen: 0.62 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

Instrument :

BNA_M

ClientSampleId :

DA8R0

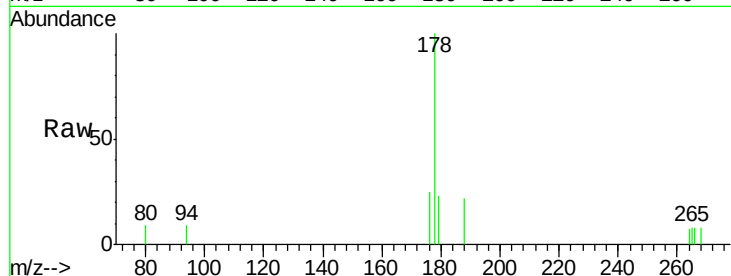
Tgt Ion:178 Resp: 2258

Ion Ratio Lower Upper

178 100

176 25.2 18.4 27.6

179 23.5 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

17.12

600

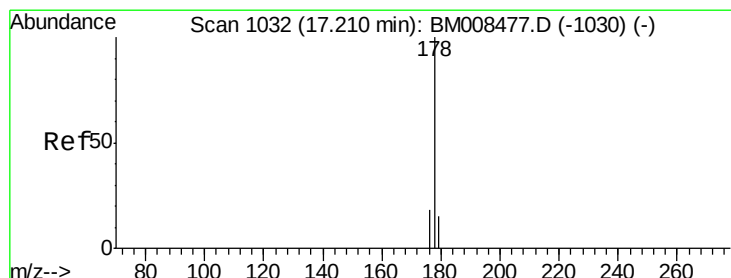
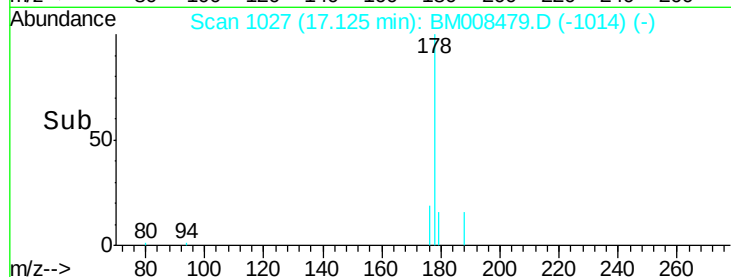
400

200

0

17.00 17.10 17.20 17.30

Time-->



#13

Anthracene

Concen: 0.68 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.09 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

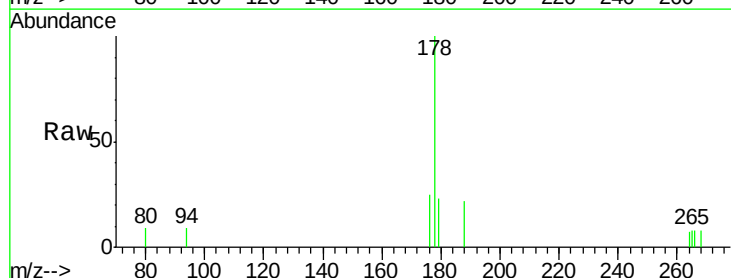
Tgt Ion:178 Resp: 2408

Ion Ratio Lower Upper

178 100

176 25.2 18.1 27.1

179 23.5 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

17.12

600

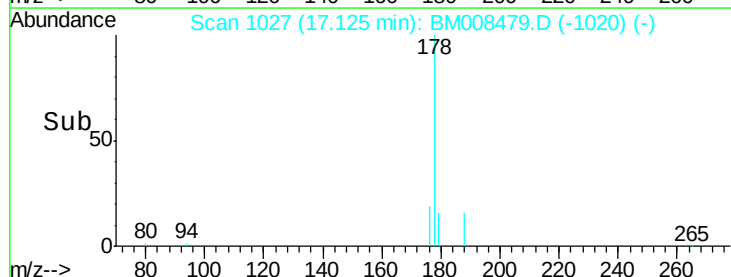
400

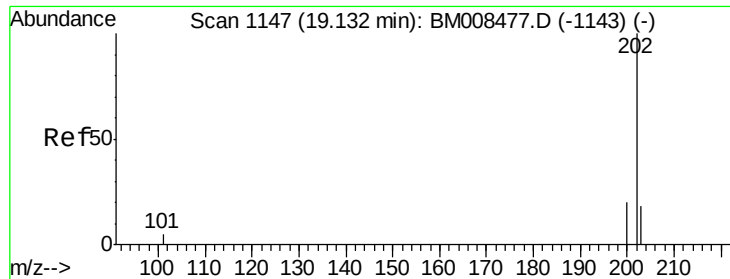
200

0

17.00 17.20 17.40

Time-->

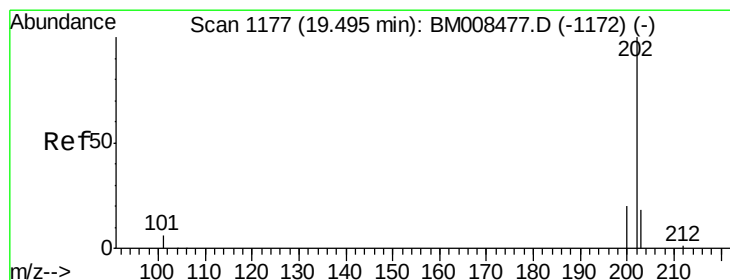
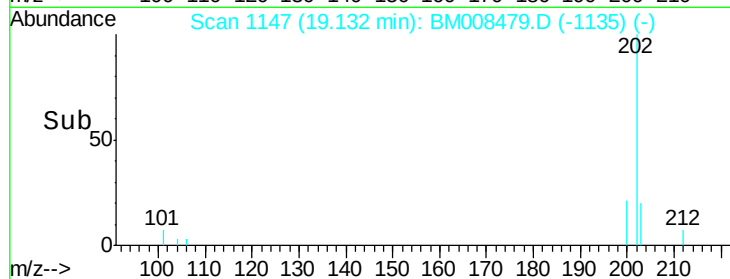
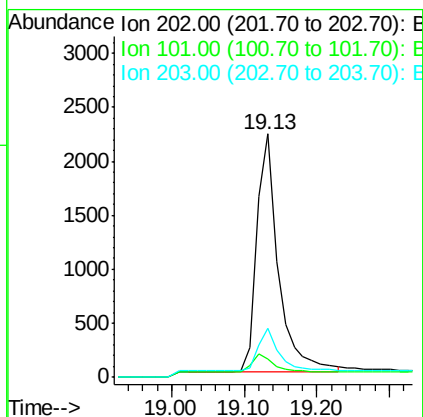
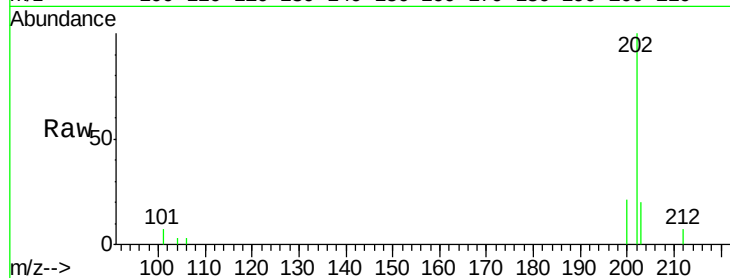




#15
 Fluoranthene
 Concen: 1.01 ng/ul
 RT: 19.13 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BM008479.D
 Acq: 20 Dec 2016 15:04

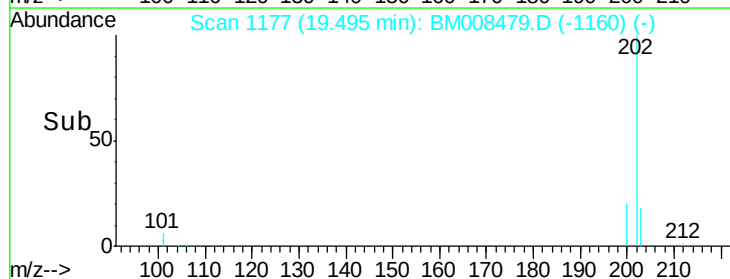
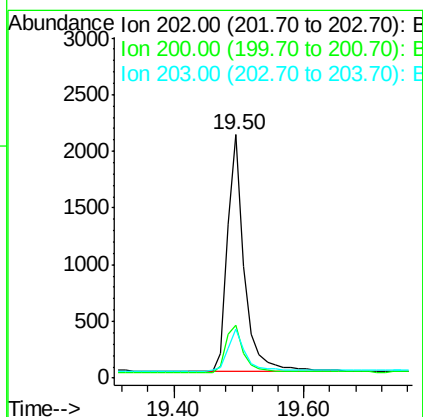
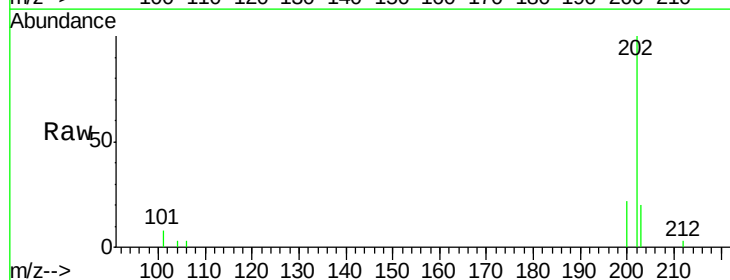
Instrument :
 BNA_M
 ClientSampleId :
 DA8R0

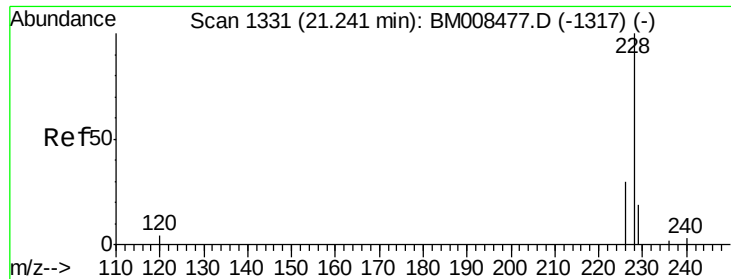
Tgt Ion: 202 Resp: 4478
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 30.3
 203 20.1 0.0 39.5



#17
 Pyrene
 Concen: 0.83 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BM008479.D
 Acq: 20 Dec 2016 15:04

Tgt Ion: 202 Resp: 3807
 Ion Ratio Lower Upper
 202 100
 200 21.9 18.2 27.4
 203 20.4 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.59 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

Instrument :

BNA_M

ClientSampleId :

DA8R0

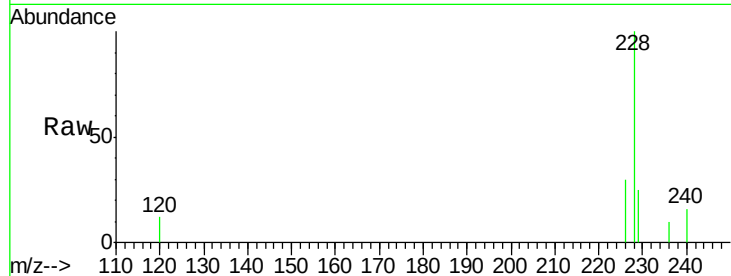
Tgt Ion:228 Resp: 2296

Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

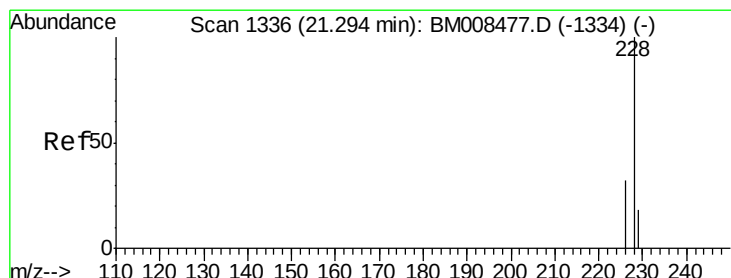
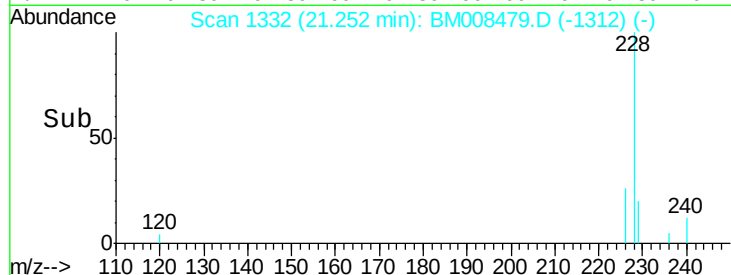
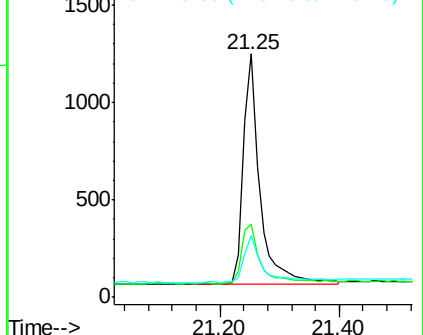
229 25.4 17.0 25.6



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: 0.55 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.04 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

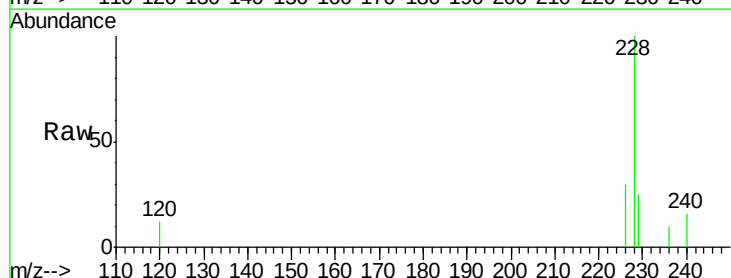
Tgt Ion:228 Resp: 2338

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

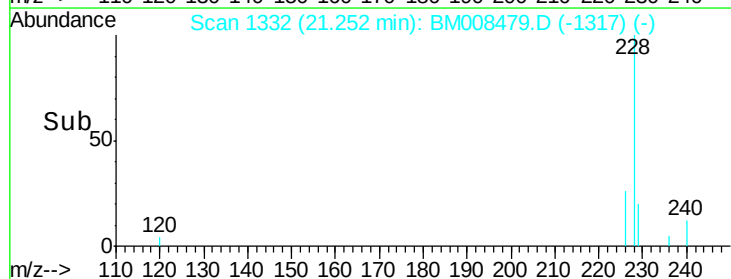
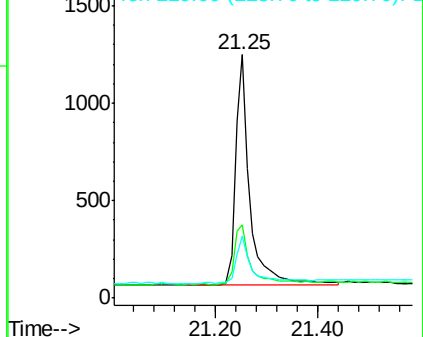
229 25.4 17.7 26.5

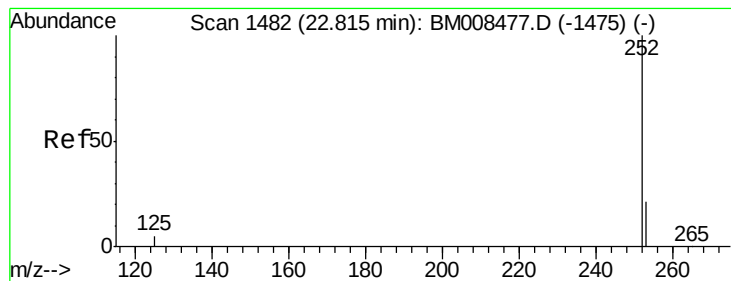


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.75 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

Instrument :

BNA_M

ClientSampleId :

DA8R0

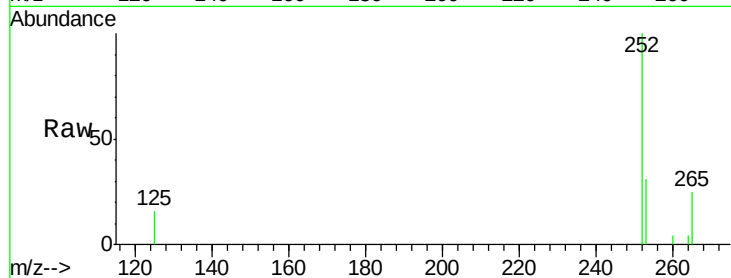
Tgt Ion:252 Resp: 3441

Ion Ratio Lower Upper

252 100

253 30.6 0.0 64.2

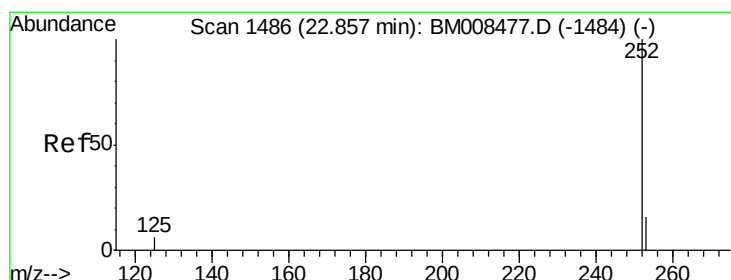
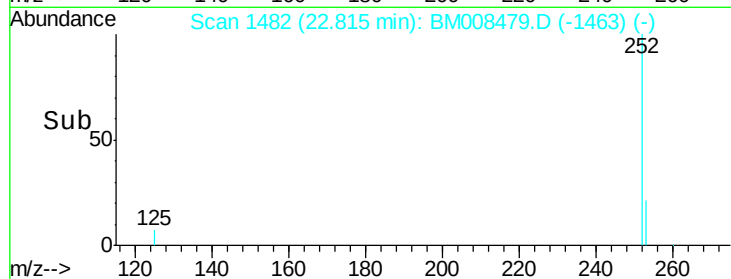
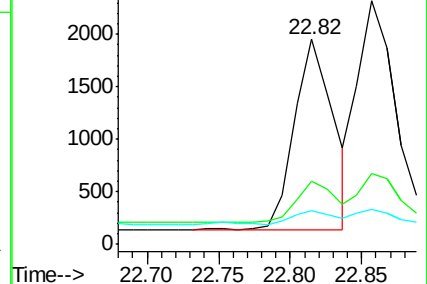
125 16.3 0.0 35.0



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: 0.96 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

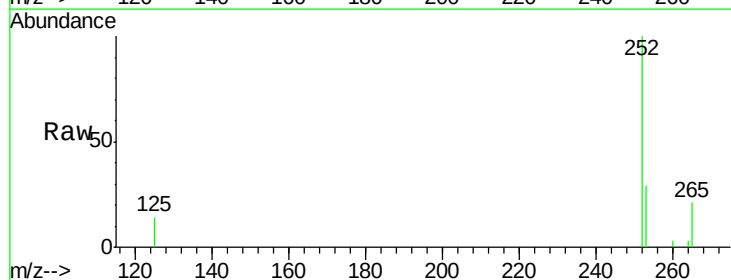
Tgt Ion:252 Resp: 4282

Ion Ratio Lower Upper

252 100

253 28.8 24.5 36.7

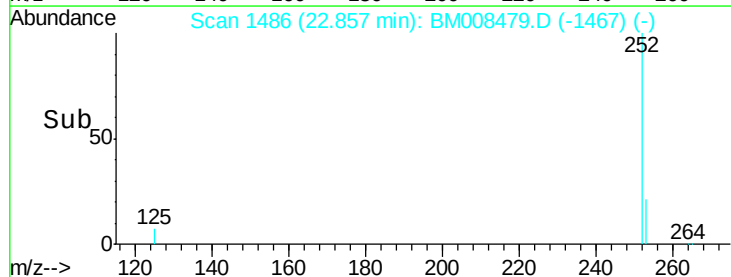
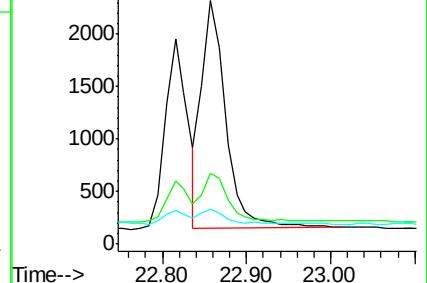
125 14.4 13.7 20.5

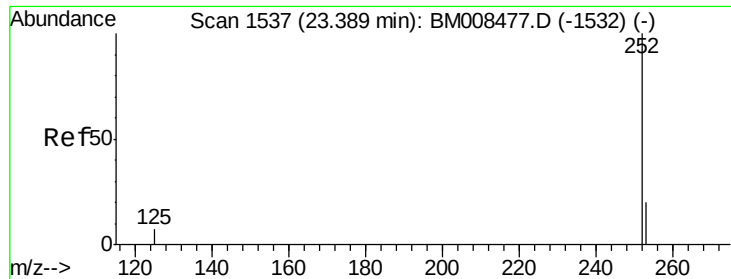


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.52 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

Instrument :

BNA_M

ClientSampleId :

DA8R0

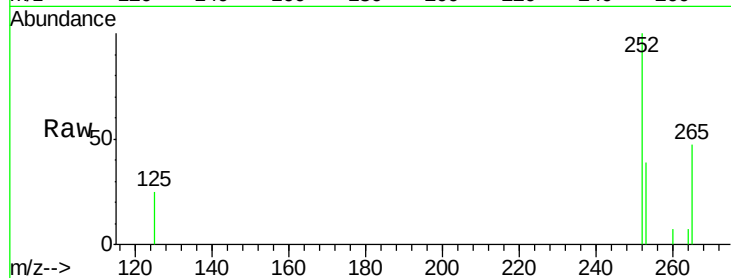
Tgt Ion:252 Resp: 2203

Ion Ratio Lower Upper

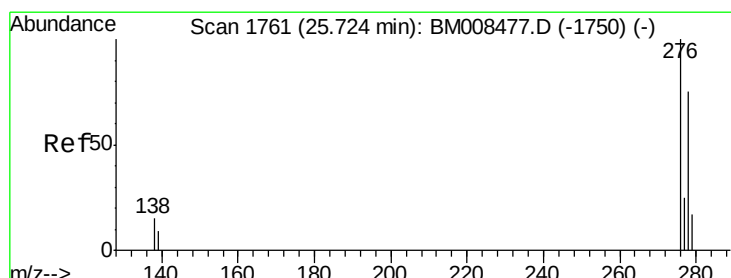
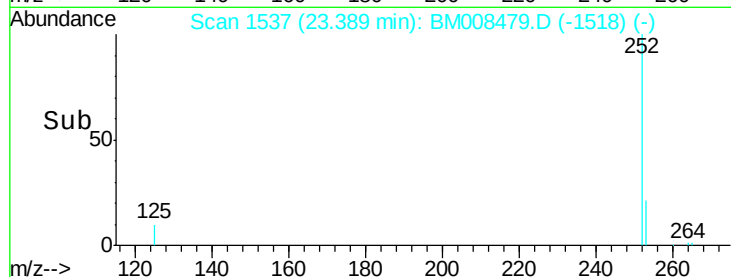
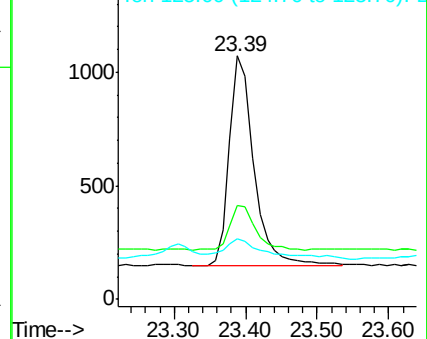
252 100

253 38.8 28.5 42.7

125 24.7 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: 0.83 ng/ul

RT: 25.72 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BM008479.D

Acq: 20 Dec 2016 15:04

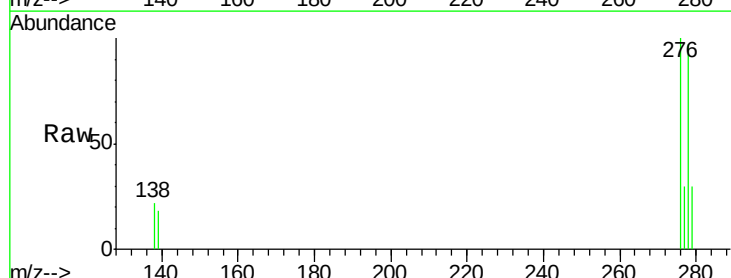
Tgt Ion:276 Resp: 4199

Ion Ratio Lower Upper

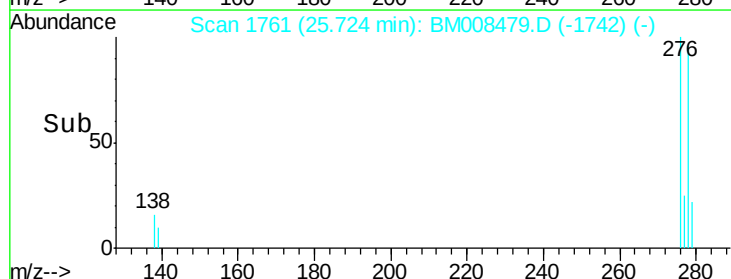
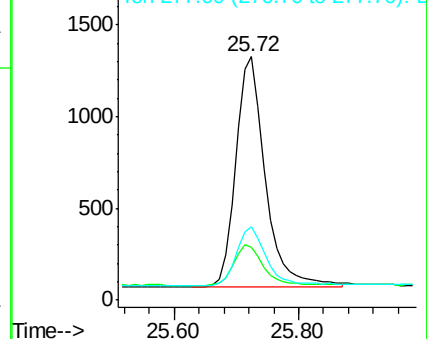
276 100

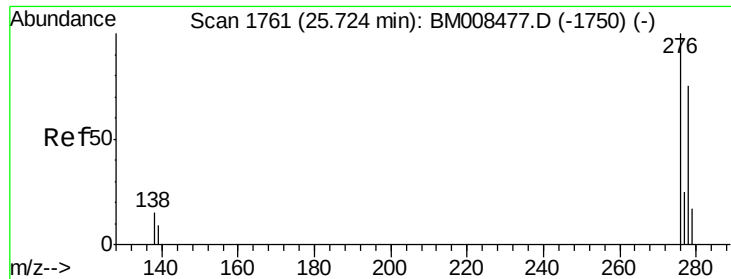
138 17.4 19.1 28.7#

277 25.2 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



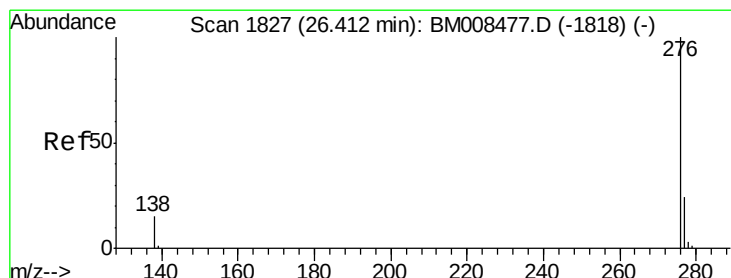
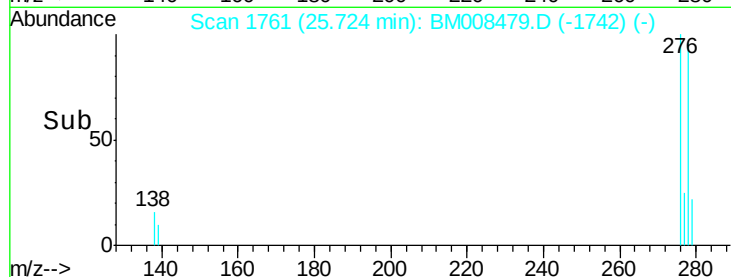
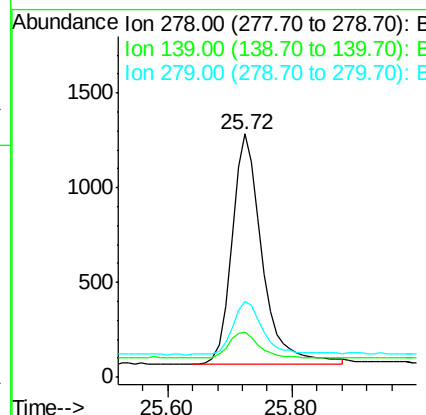
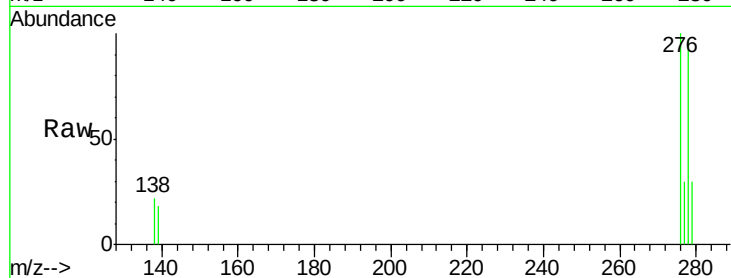


#25
Dibenzo(a,h)anthracene
Concen: 1.02 ng/ul
RT: 25.72 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BM008479.D
Acq: 20 Dec 2016 15:04

Instrument :
BNA_M
ClientSampleId :
DA8R0

Tgt Ion: 278 Resp: 4098

Ion	Ratio	Lower	Upper
278	100		
139	18.4	17.4	26.0
279	31.3	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 1.04 ng/ul
RT: 26.40 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM008479.D
Acq: 20 Dec 2016 15:04

Tgt Ion: 276 Resp: 4514

Ion	Ratio	Lower	Upper
276	100		
277	27.8	21.8	32.8
138	19.9	20.5	30.7#

