

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008065.D
 Acq On : 24 Nov 2016 09:43
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.454

Quant Time: Nov 25 00:23:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	578	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2035	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1230	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	2403	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	2362	0.40	ng/ul	-0.01
20) Perylene-d12	23.53	264	2284	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	1195	0.41	ng/ul	-0.02
14) Fluoranthene-d10	19.13	212	2629	0.39	ng/ul	-0.01

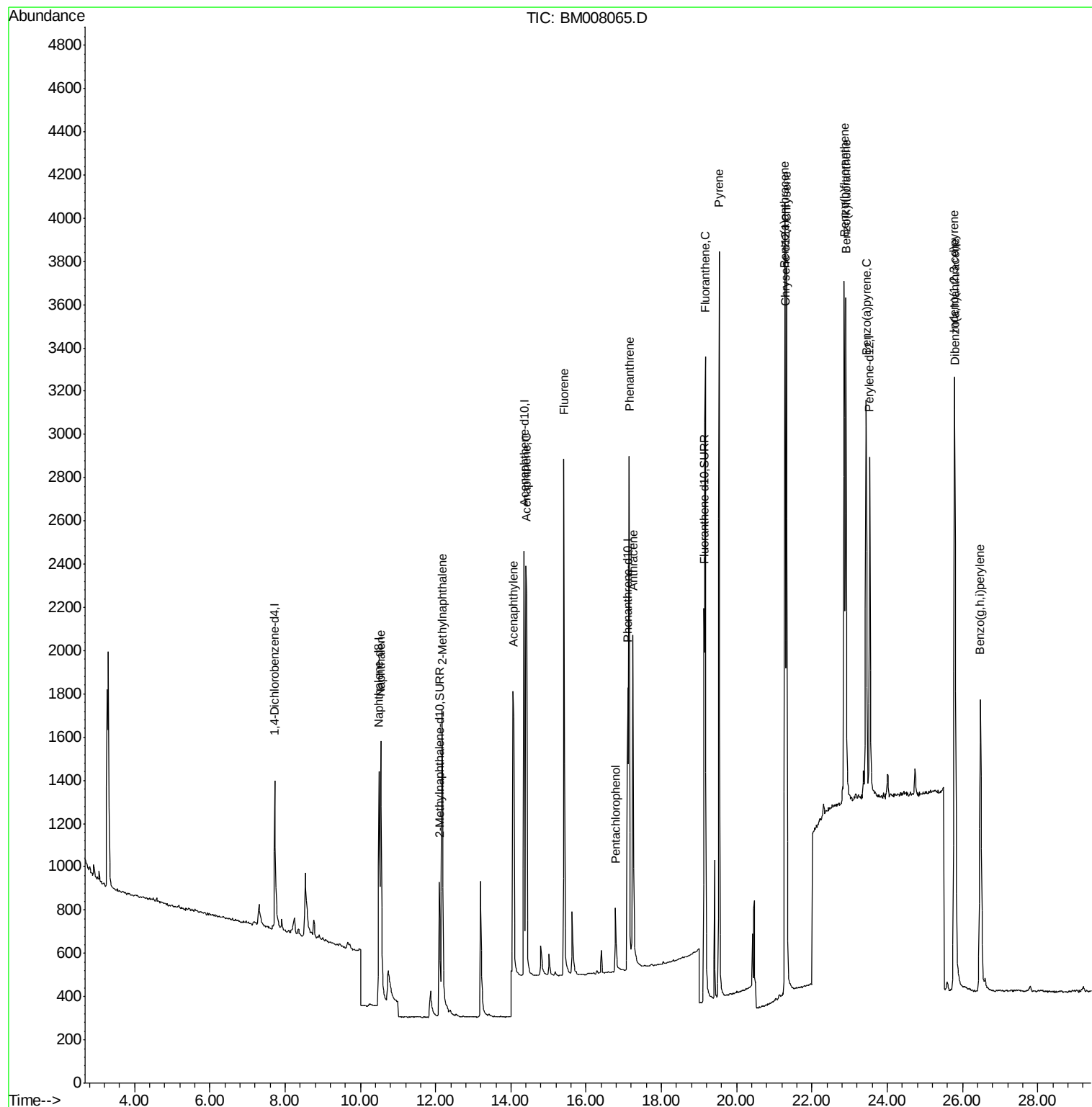
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	2241	0.39	ng/ul	97
5) 2-Methylnaphthalene	12.17	142	1526	0.42	ng/ul	100
7) Acenaphthylene	14.06	152	2333	0.42	ng/ul	95
8) Acenaphthene	14.40	153	1658	0.39	ng/ul	88
9) Fluorene	15.41	166	1927	0.40	ng/ul	91
11) Pentachlorophenol	16.78	266	321	0.38	ng/ul	97
12) Phenanthrene	17.14	178	2924	0.39	ng/ul	96
13) Anthracene	17.24	178	2823	0.40	ng/ul	96
15) Fluoranthene	19.17	202	3582	0.37	ng/ul	96
17) Pyrene	19.53	202	3805	0.46	ng/ul	99
18) Benzo(a)anthracene	21.27	228	3311	0.46	ng/ul	96
19) Chrysene	21.32	228	3310	0.37	ng/ul	94
21) Benzo(b)fluoranthene	22.86	252	3434	0.38	ng/ul	96
22) Benzo(k)fluoranthene	22.90	252	3506	0.37	ng/ul	97
23) Benzo(a)pyrene	23.44	252	3416	0.40	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.79	276	3977	0.38	ng/ul	95
25) Dibenzo(a,h)anthracene	25.80	278	3138	0.37	ng/ul	97
26) Benzo(g,h,i)perylene	26.47	276	3423	0.37	ng/ul	95

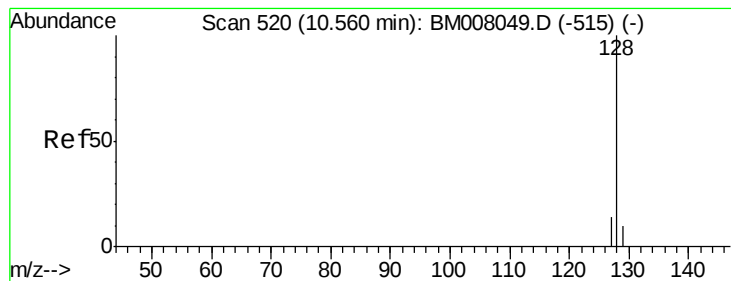
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

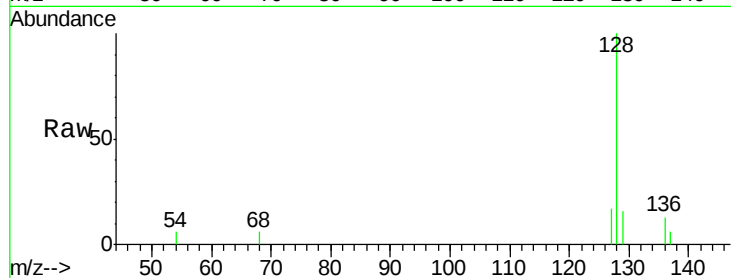
Tgt Ion:128 Resp: 2241

Ion Ratio Lower Upper

128 100

129 15.5 11.3 16.9

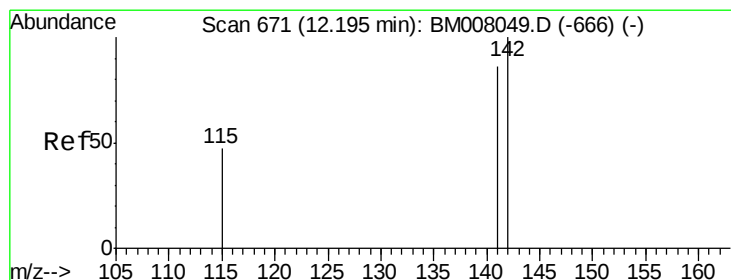
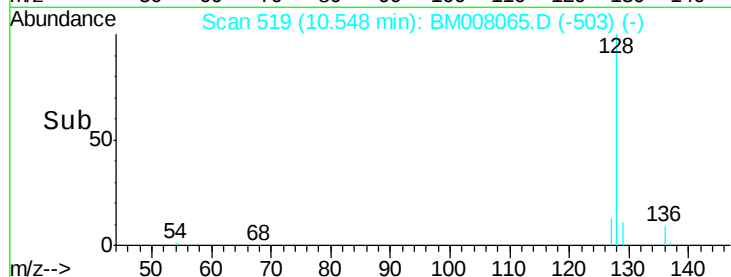
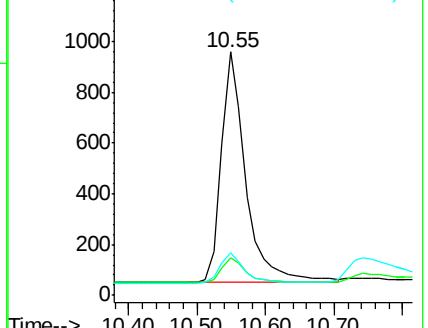
127 17.4 12.8 19.2



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: 0.42 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM008065.D

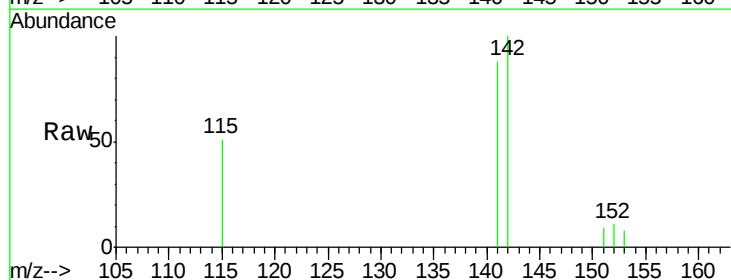
Acq: 24 Nov 2016 09:43

Tgt Ion:142 Resp: 1526

Ion Ratio Lower Upper

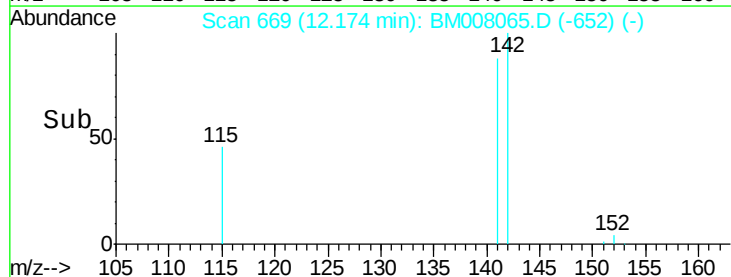
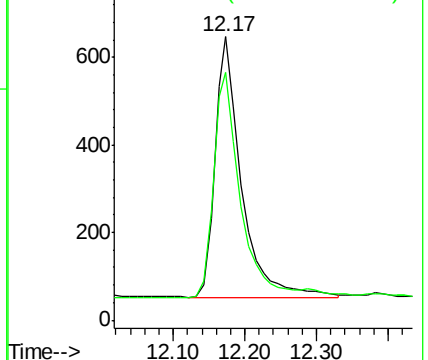
142 100

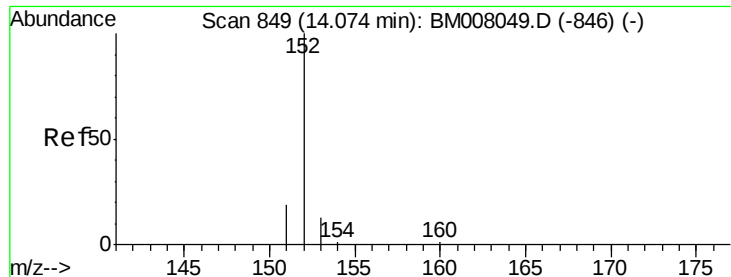
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

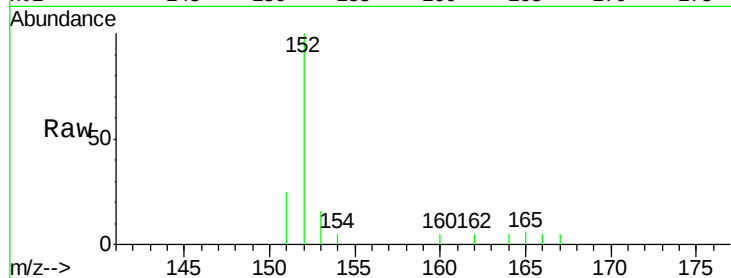
Tgt Ion:152 Resp: 2333

Ion Ratio Lower Upper

152 100

151 25.4 17.1 25.7

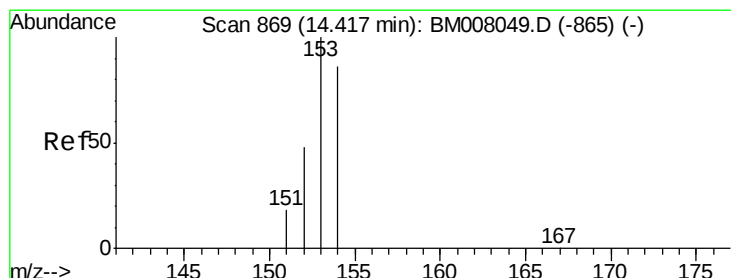
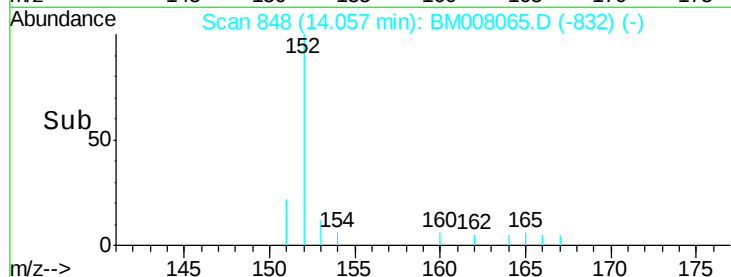
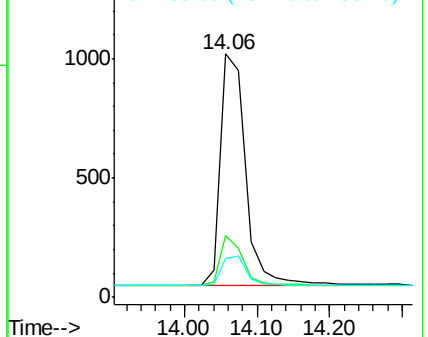
153 16.1 12.8 19.2



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: 0.39 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.02 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

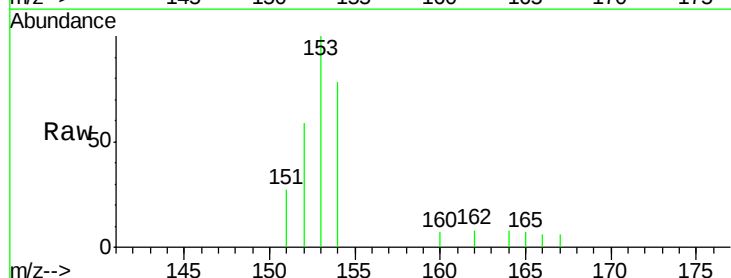
Tgt Ion:153 Resp: 1658

Ion Ratio Lower Upper

153 100

152 59.0 40.3 60.5

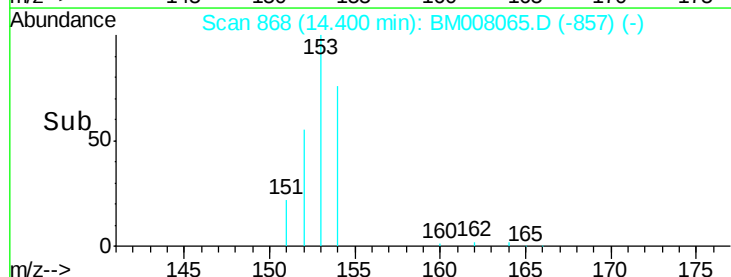
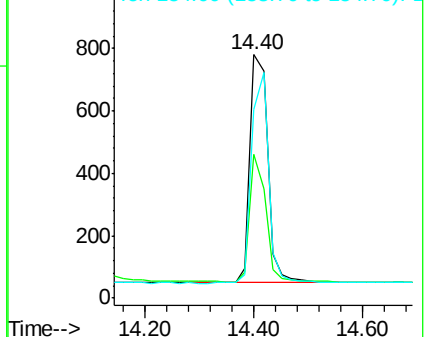
154 77.7 71.4 107.2

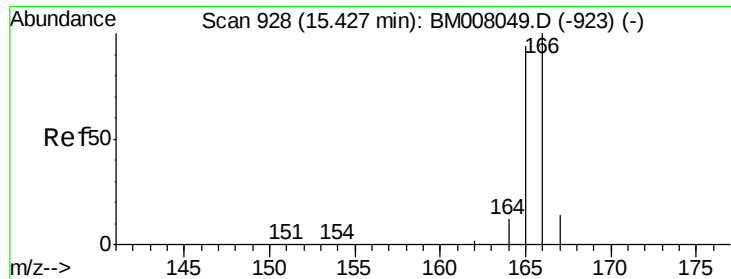


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

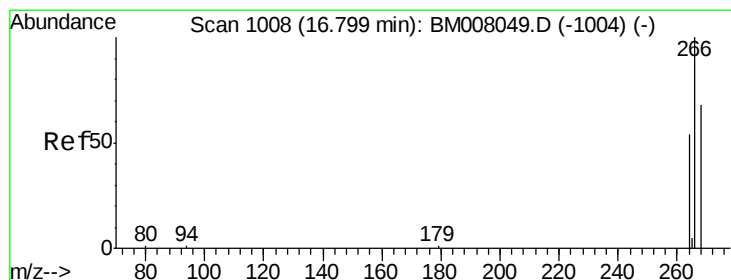
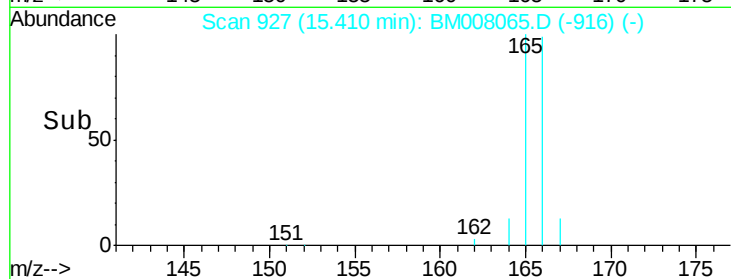
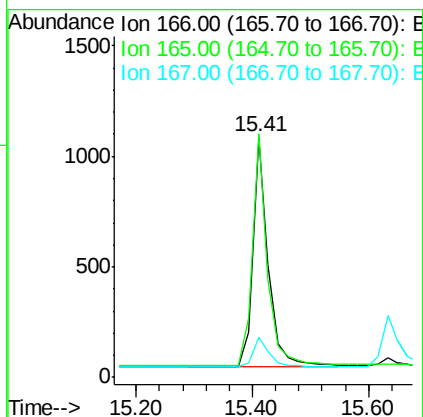
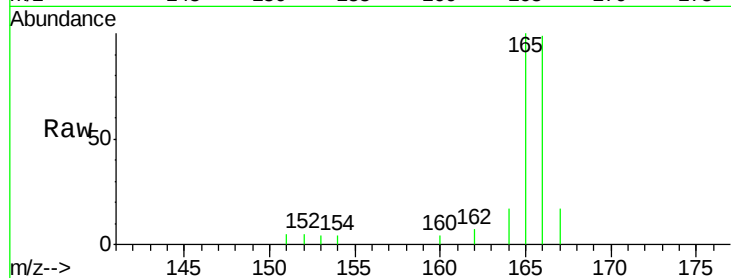




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.02 min
 Lab File: BM008065.D
 Acq: 24 Nov 2016 09:43

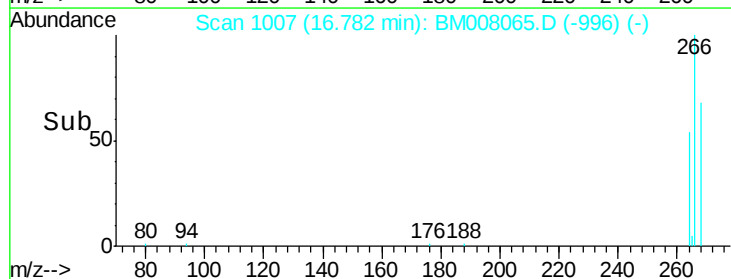
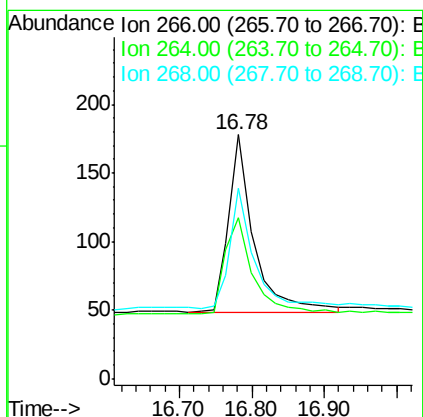
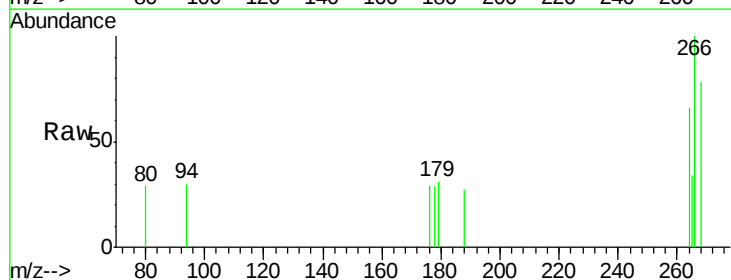
Instrument :
 BNA_M
 ClientSampleId :
 SST0.454

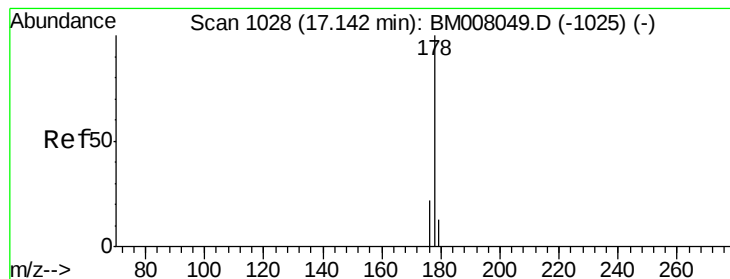
Tgt Ion:166 Resp: 1927
 Ion Ratio Lower Upper
 166 100
 165 101.4 73.4 110.2
 167 16.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BM008065.D
 Acq: 24 Nov 2016 09:43

Tgt Ion:266 Resp: 321
 Ion Ratio Lower Upper
 266 100
 264 59.2 47.9 71.9
 268 65.4 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

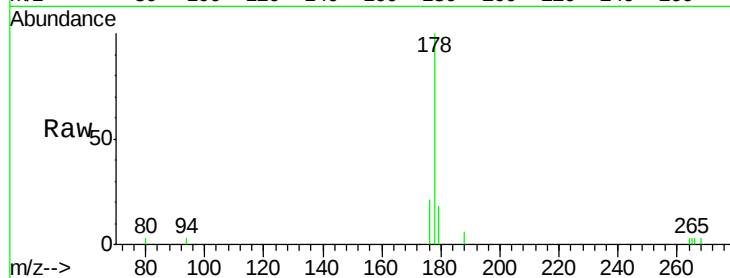
Tgt Ion:178 Resp: 2924

Ion Ratio Lower Upper

178 100

176 20.8 18.4 27.6

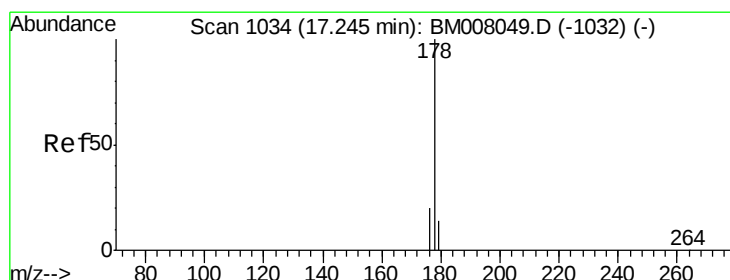
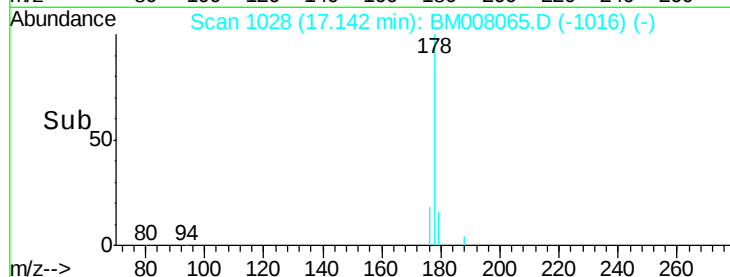
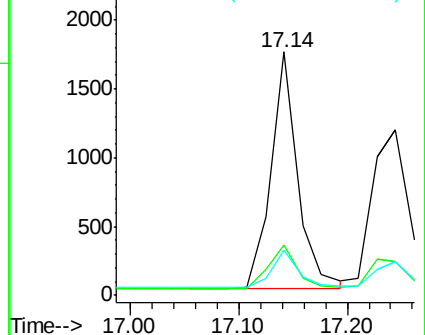
179 18.4 13.6 20.4



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: 0.40 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

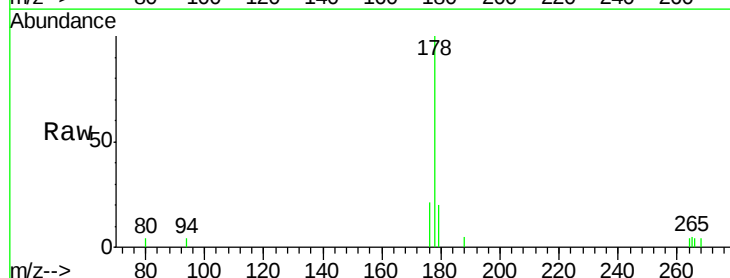
Tgt Ion:178 Resp: 2823

Ion Ratio Lower Upper

178 100

176 20.7 18.1 27.1

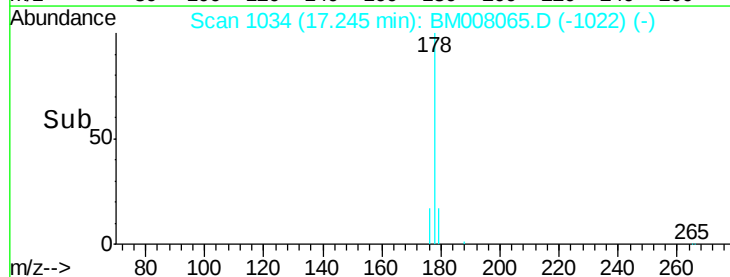
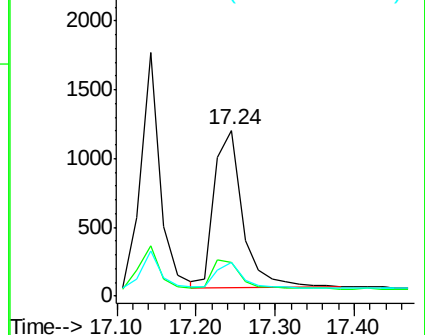
179 20.4 14.7 22.1

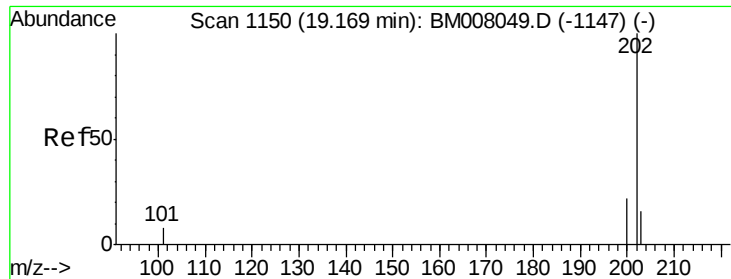


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

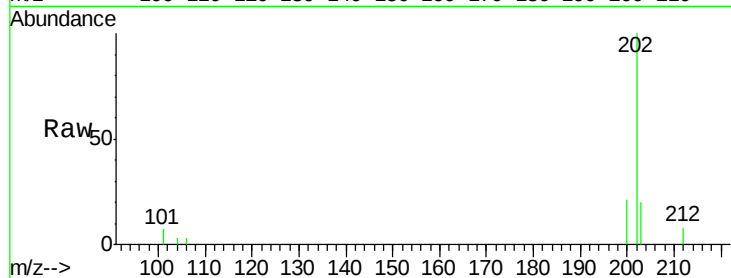
Tgt Ion:202 Resp: 3582

Ion Ratio Lower Upper

202 100

101 7.4 0.0 30.3

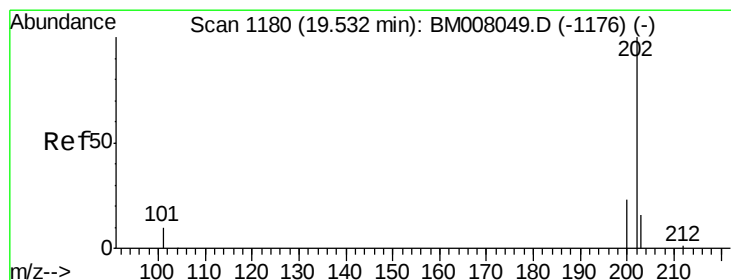
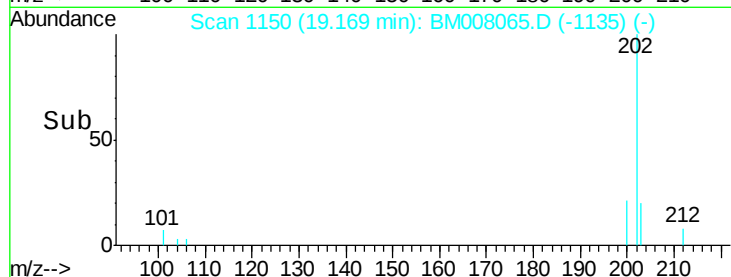
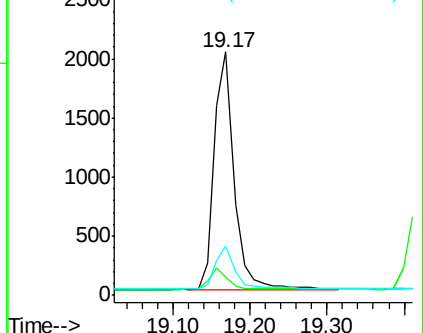
203 20.3 0.0 39.5



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: 0.46 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

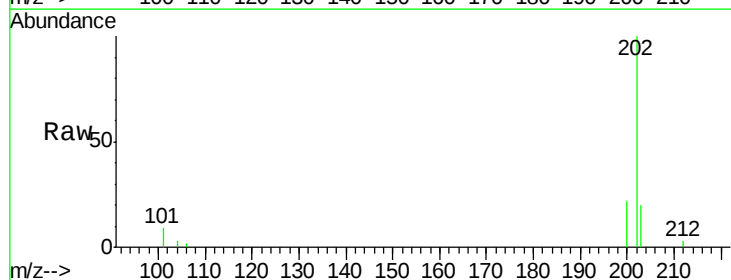
Tgt Ion:202 Resp: 3805

Ion Ratio Lower Upper

202 100

200 21.7 18.2 27.4

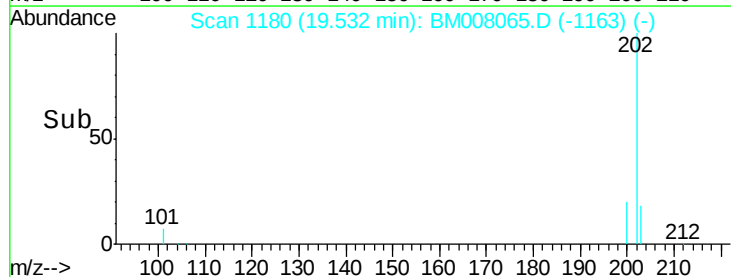
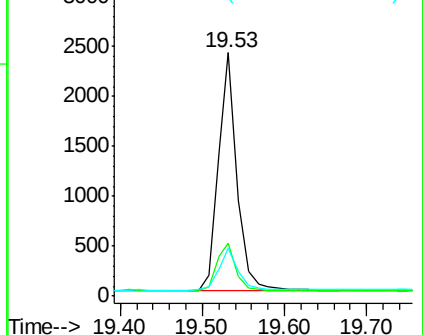
203 19.7 15.6 23.4

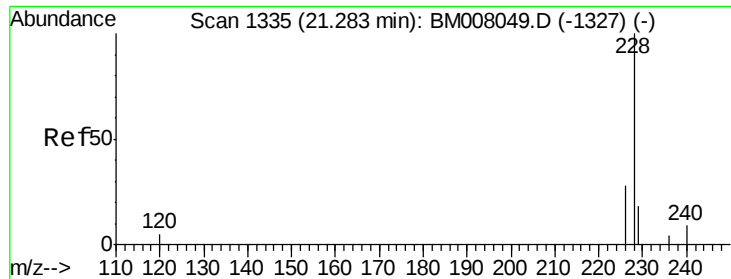


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

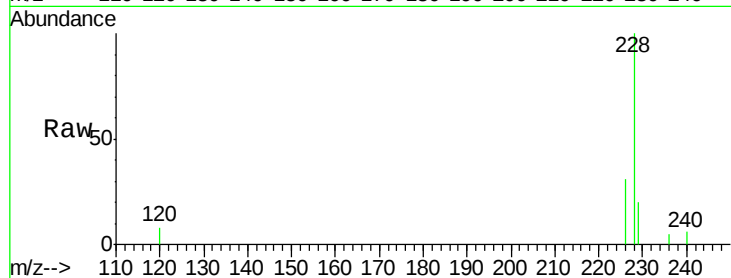
Tgt Ion:228 Resp: 3311

Ion Ratio Lower Upper

228 100

226 31.3 22.8 34.2

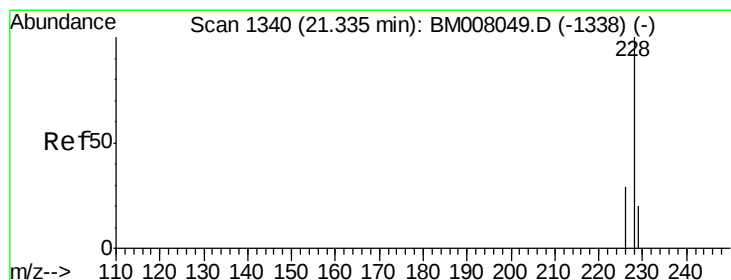
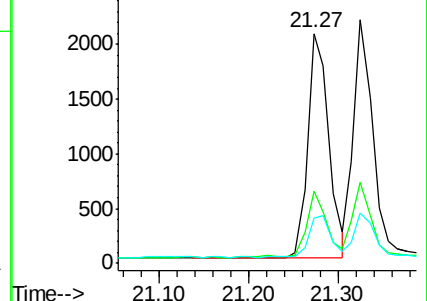
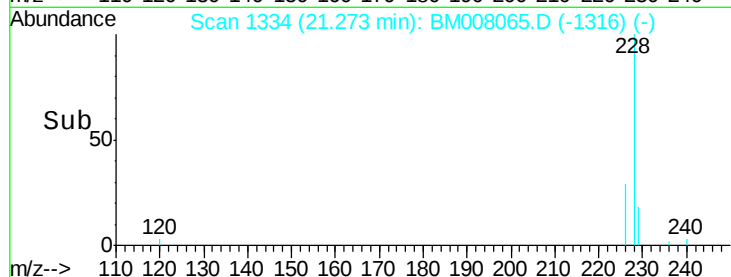
229 19.9 17.0 25.6



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: 0.37 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

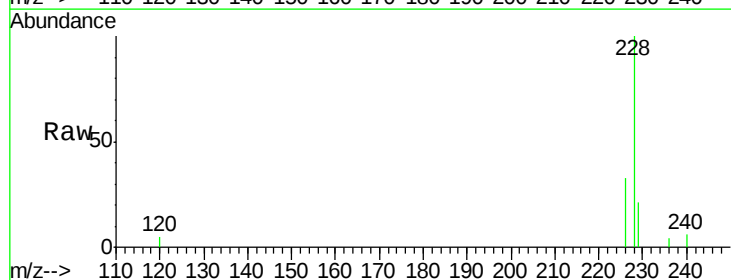
Tgt Ion:228 Resp: 3310

Ion Ratio Lower Upper

228 100

226 33.3 23.4 35.0

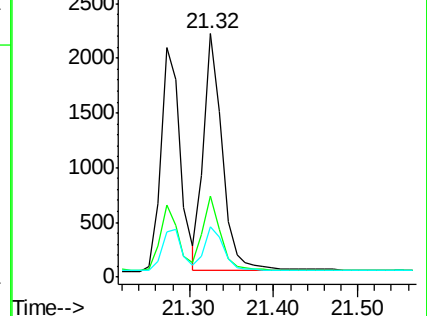
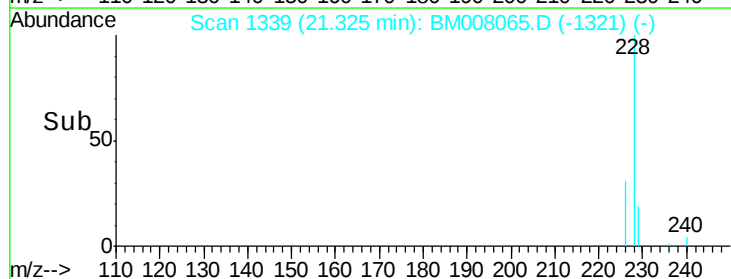
229 20.8 17.7 26.5

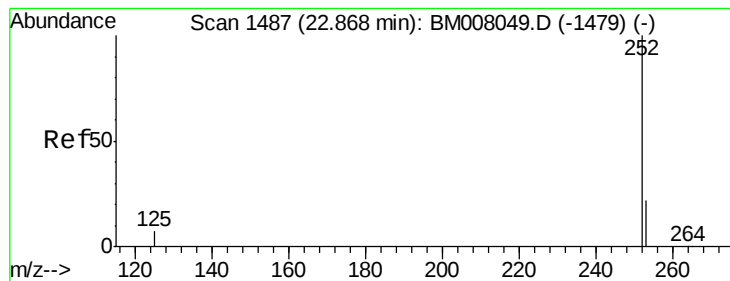


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

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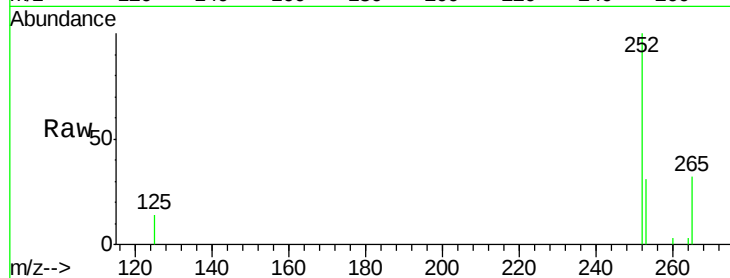
Tgt Ion:252 Resp: 3434

Ion Ratio Lower Upper

252 100

253 30.9 0.0 64.2

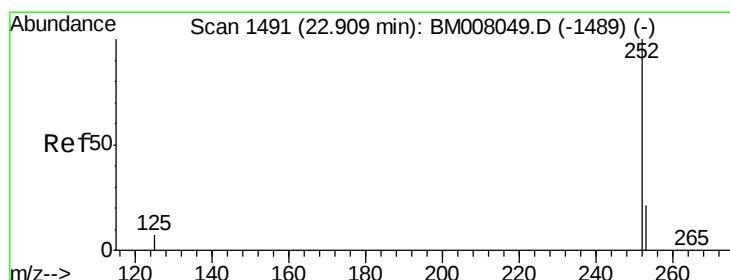
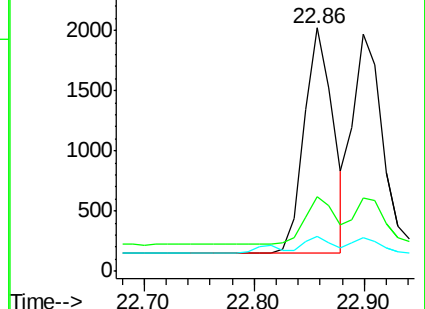
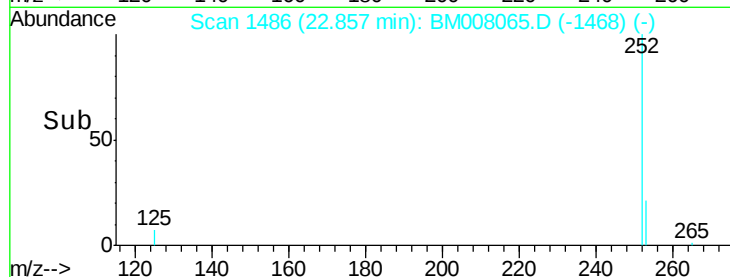
125 14.2 0.0 35.0



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: 0.37 ng/u1

RT: 22.90 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

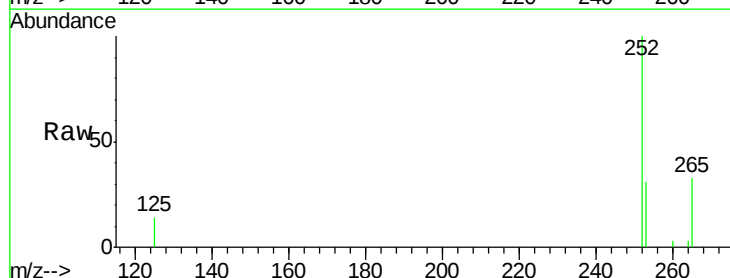
Tgt Ion:252 Resp: 3506

Ion Ratio Lower Upper

252 100

253 30.7 24.5 36.7

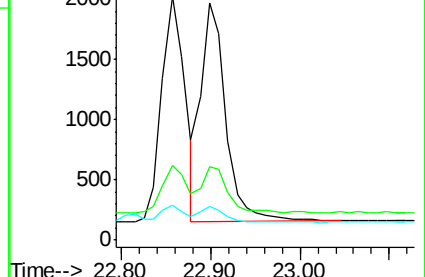
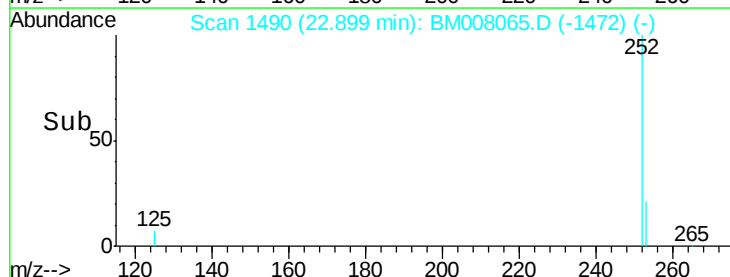
125 14.2 13.7 20.5

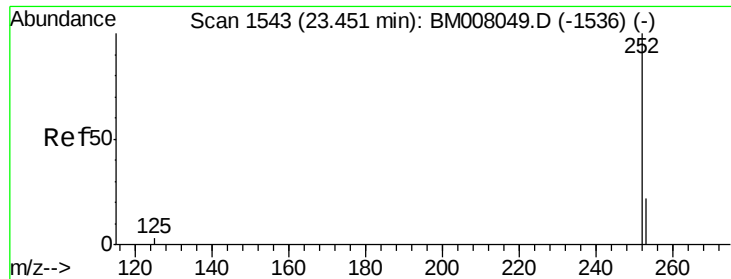


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

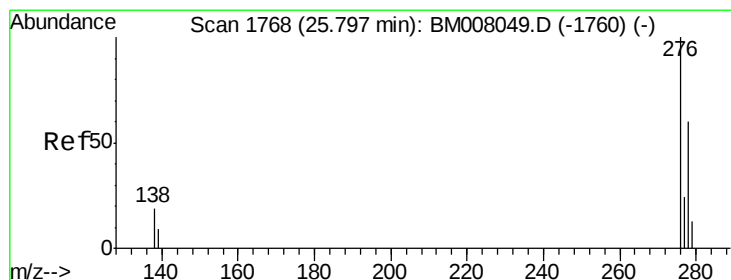
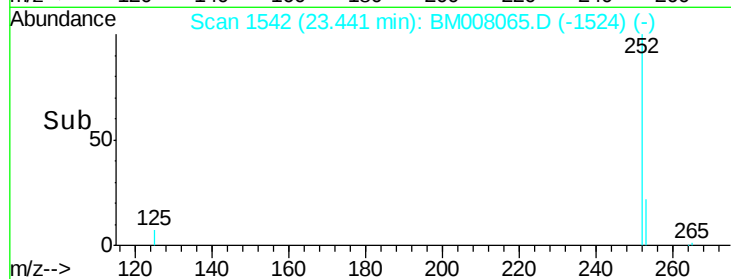
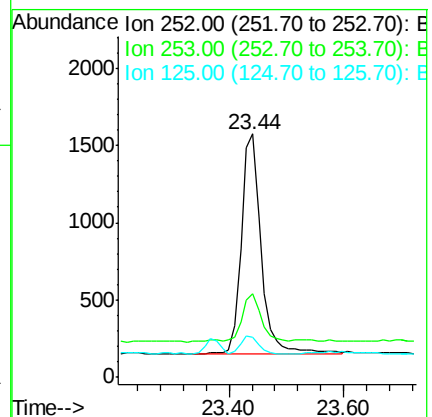
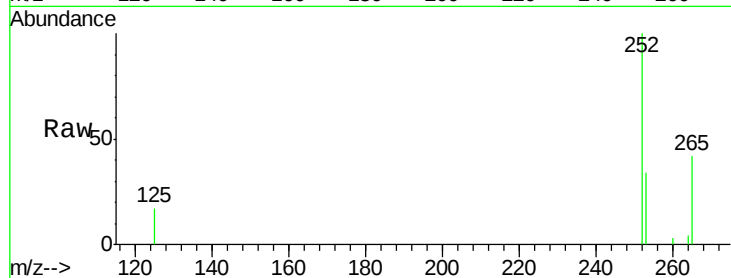
Tgt Ion:252 Resp: 3416

Ion Ratio Lower Upper

252 100

253 34.2 28.5 42.7

125 16.6 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BM008065.D

Acq: 24 Nov 2016 09:43

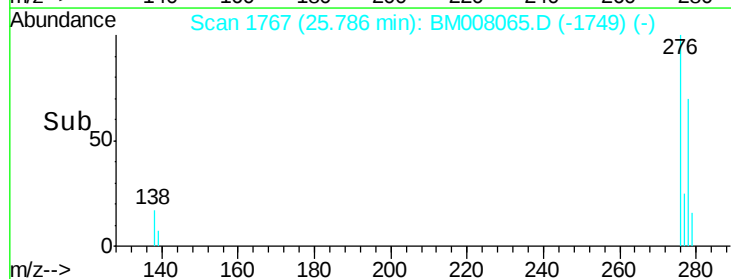
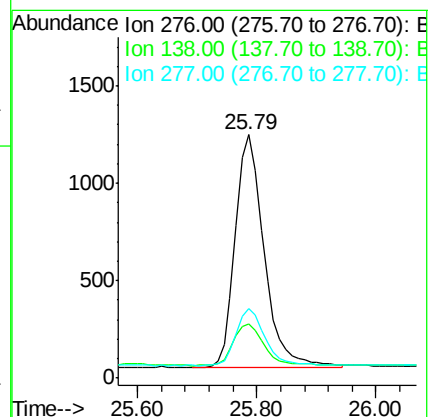
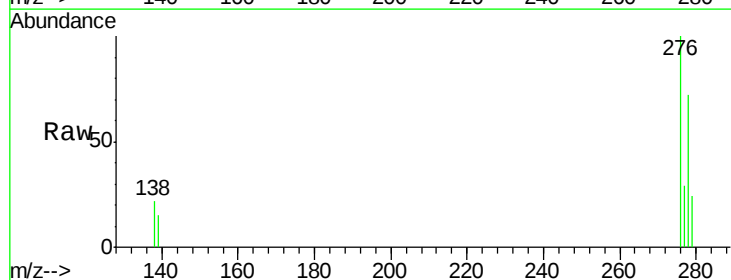
Tgt Ion:276 Resp: 3977

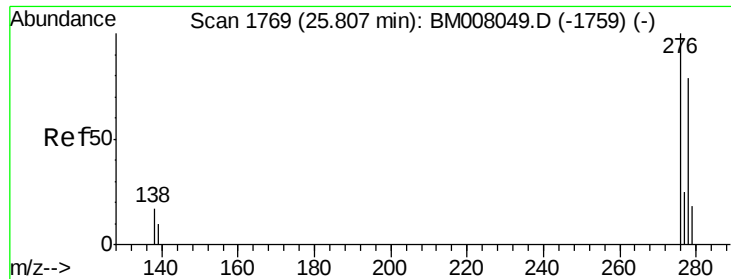
Ion Ratio Lower Upper

276 100

138 19.2 19.1 28.7

277 24.7 19.6 29.4



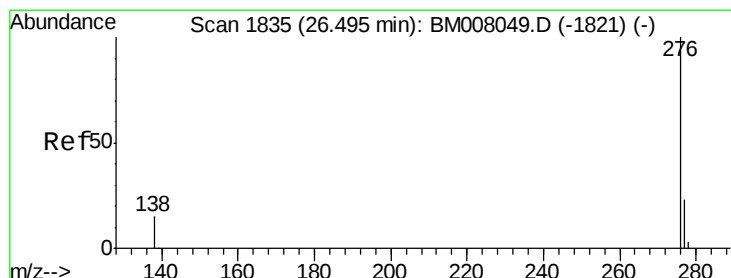
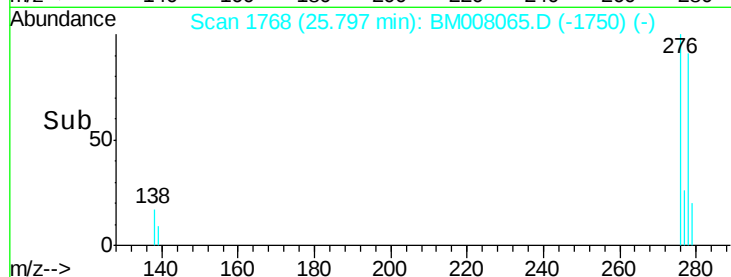
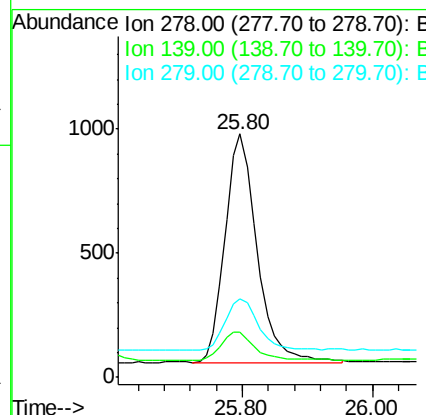
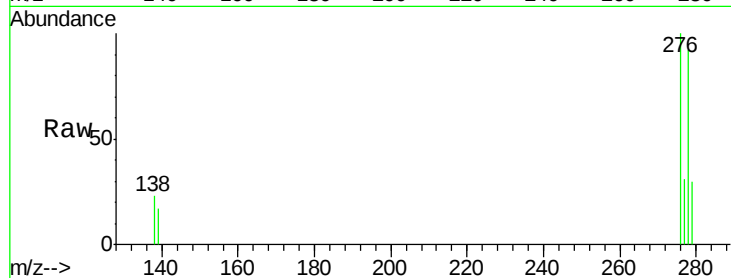


#25
Dibenzo(a,h)anthracene
Concen: 0.37 ng/ul
RT: 25.80 min Scan# 1768
Delta R.T. -0.01 min
Lab File: BM008065.D
Acq: 24 Nov 2016 09:43

Instrument :
BNA_M
ClientSampleId :
SSTD0.454

Tgt Ion: 278 Resp: 3138

Ion	Ratio	Lower	Upper
278	100		
139	18.3	17.4	26.0
279	32.3	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.37 ng/ul
RT: 26.47 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BM008065.D
Acq: 24 Nov 2016 09:43

Tgt Ion: 276 Resp: 3423

Ion	Ratio	Lower	Upper
276	100		
277	28.6	21.8	32.8
138	22.1	20.5	30.7

