

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112816\
 Data File : BM008097.D
 Acq On : 28 Nov 2016 21:30
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.458

Quant Time: Nov 29 00:14:23 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 29 00:11:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	549	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	2058	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	1224	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	2238	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	2293	0.40	ng/ul	0.00
20) Perylene-d12	23.54	264	2125	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	1183	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	2471	0.39	ng/ul	0.00

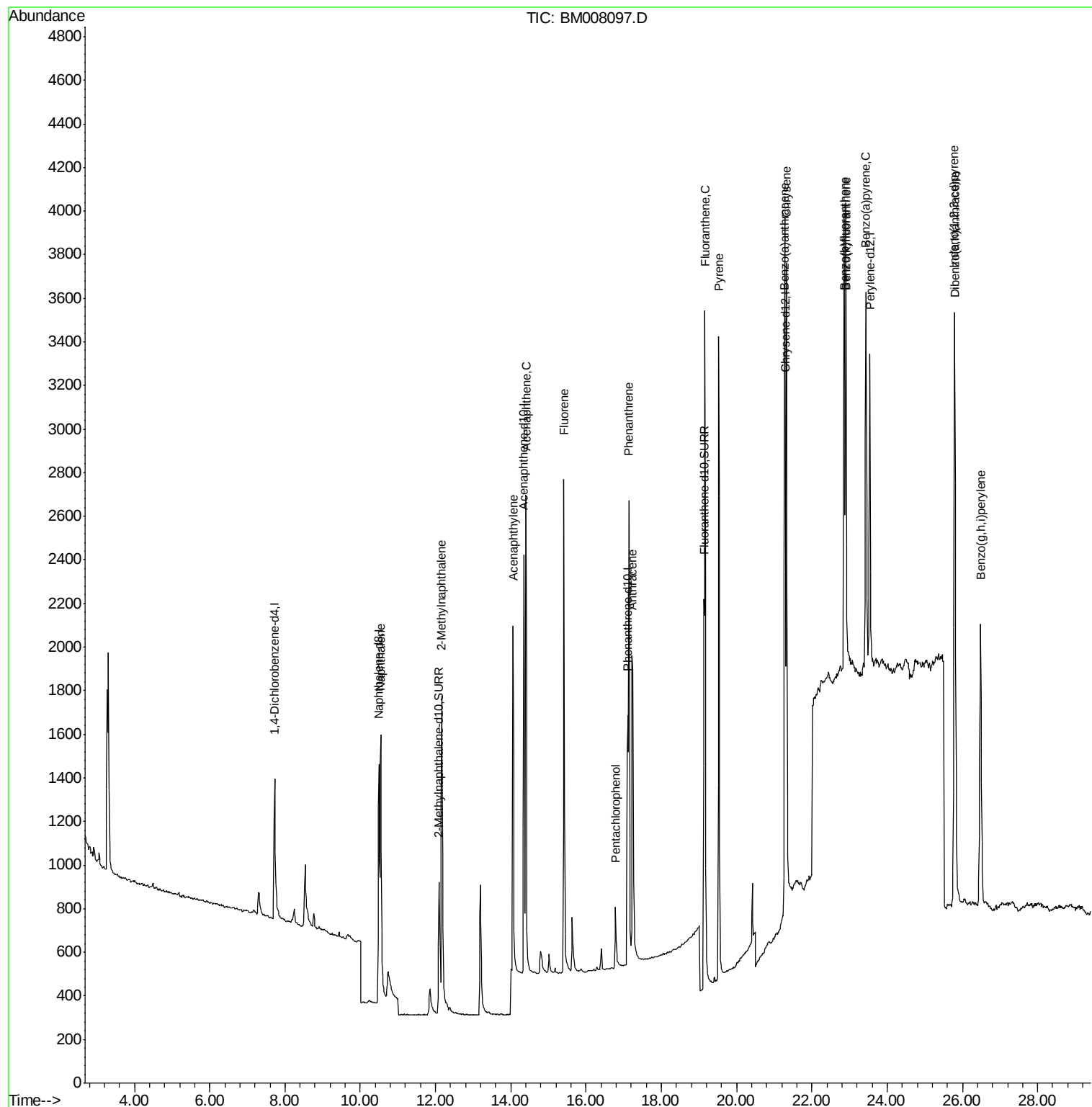
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	2250	0.39	ng/ul	98
5) 2-Methylnaphthalene	12.16	142	1493	0.40	ng/ul	99
7) Acenaphthylene	14.06	152	2324	0.42	ng/ul	96
8) Acenaphthene	14.40	153	1641	0.39	ng/ul	92
9) Fluorene	15.41	166	1817	0.38	ng/ul	93
11) Pentachlorophenol	16.78	266	317	0.41	ng/ul	97
12) Phenanthrene	17.14	178	2734	0.39	ng/ul	97
13) Anthracene	17.23	178	2675	0.41	ng/ul	98
15) Fluoranthene	19.16	202	4536	0.50	ng/ul	99
17) Pyrene	19.52	202	3512	0.44	ng/ul	98
18) Benzo(a)anthracene	21.28	228	3096	0.44	ng/ul	93
19) Chrysene	21.33	228	2888	0.33	ng/ul	91
21) Benzo(b)fluoranthene	22.86	252	3107	0.37	ng/ul	91
22) Benzo(k)fluoranthene	22.90	252	3050	0.35	ng/ul#	90
23) Benzo(a)pyrene	23.43	252	2994	0.38	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.79	276	3571	0.36	ng/ul	95
25) Dibenzo(a,h)anthracene	25.80	278	2865	0.36	ng/ul#	91
26) Benzo(g,h,i)perylene	26.48	276	3064	0.35	ng/ul#	92

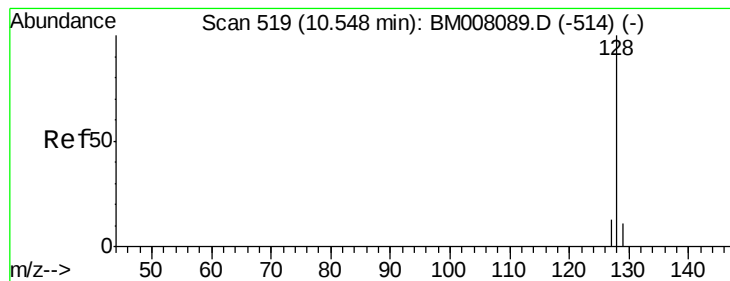
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

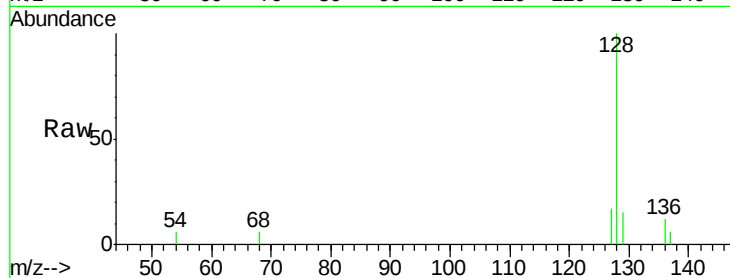
Tgt Ion:128 Resp: 2250

Ion Ratio Lower Upper

128 100

129 15.4 11.3 16.9

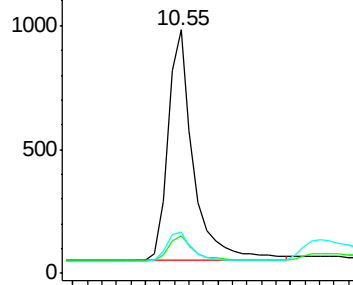
127 16.8 12.8 19.2



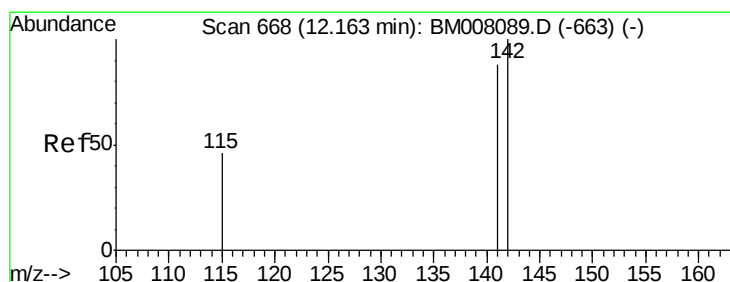
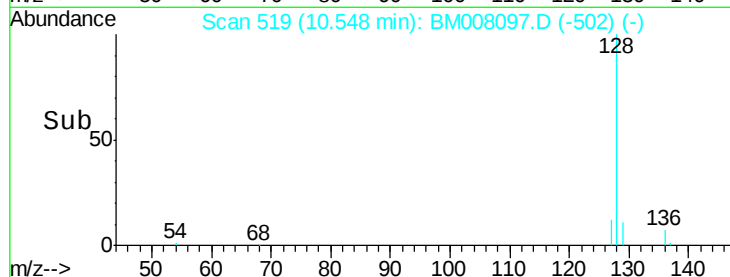
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM008097.D

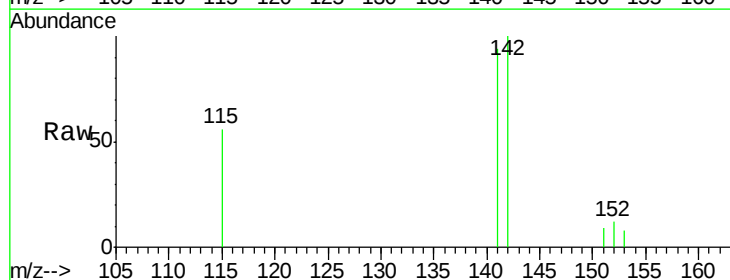
Acq: 28 Nov 2016 21:30

Tgt Ion:142 Resp: 1493

Ion Ratio Lower Upper

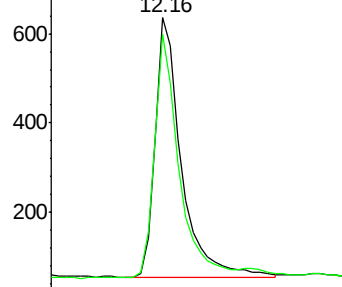
142 100

141 91.6 72.6 108.8

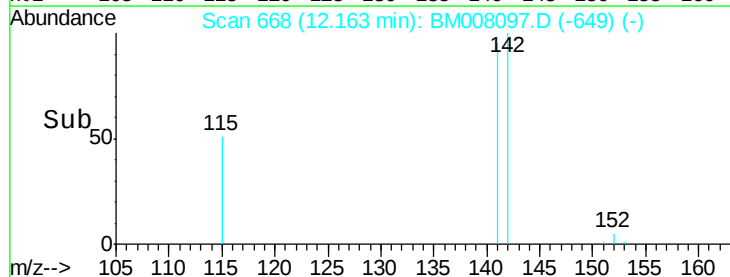


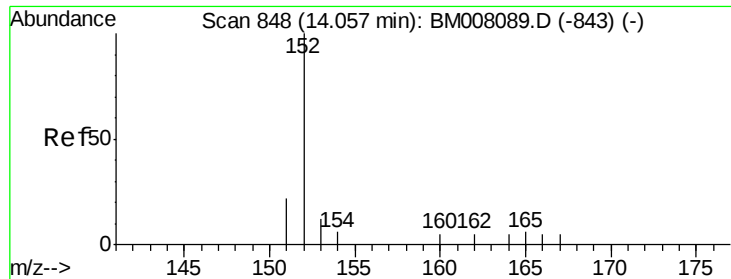
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

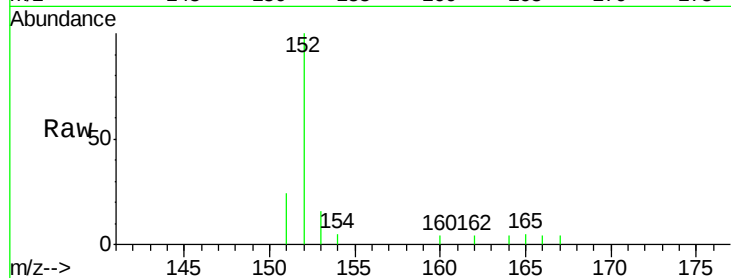
Tgt Ion:152 Resp: 2324

Ion Ratio Lower Upper

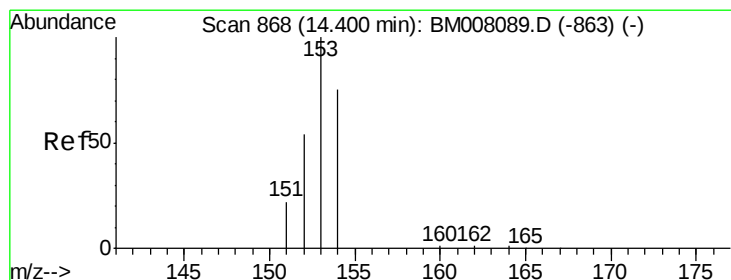
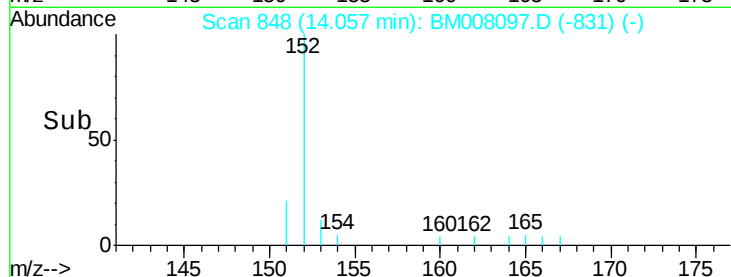
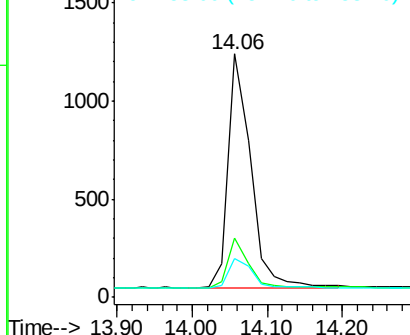
152 100

151 24.2 17.1 25.7

153 15.8 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. -0.00 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

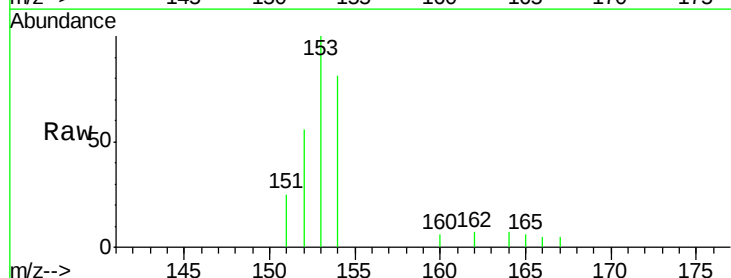
Tgt Ion:153 Resp: 1641

Ion Ratio Lower Upper

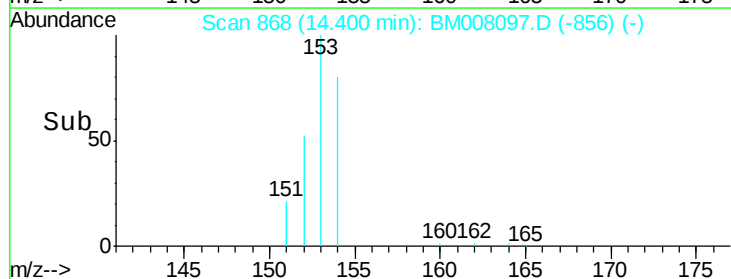
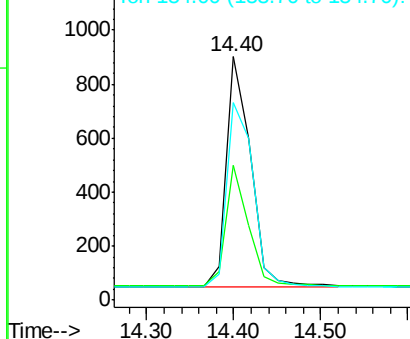
153 100

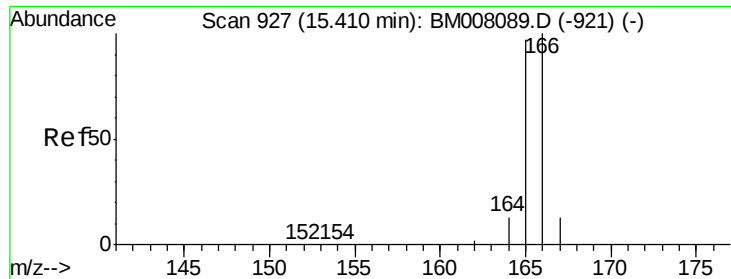
152 55.5 40.3 60.5

154 81.2 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

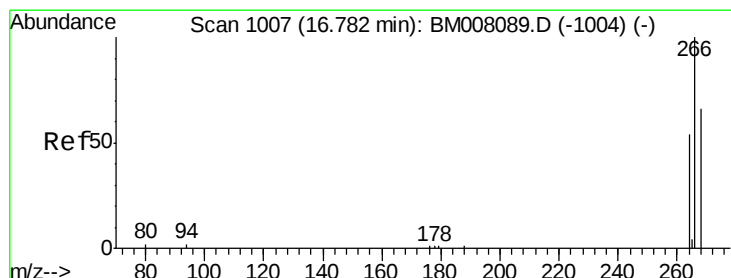
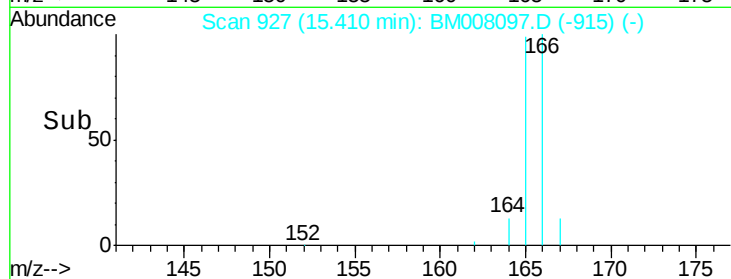
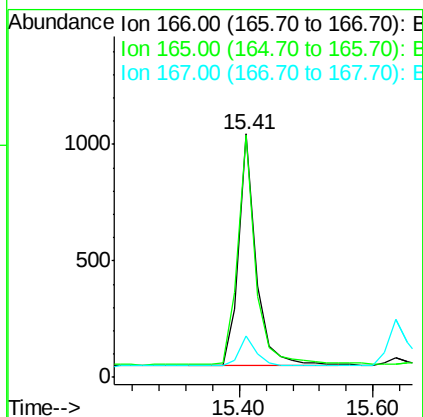
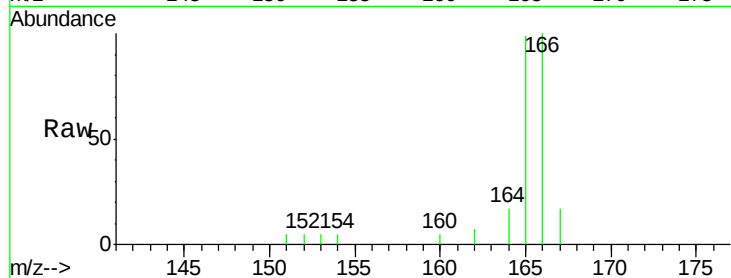




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BM008097.D
 Acq: 28 Nov 2016 21:30

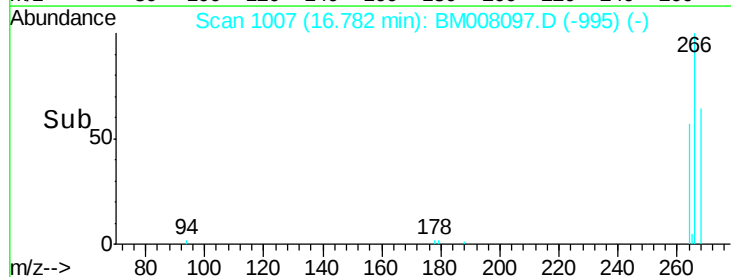
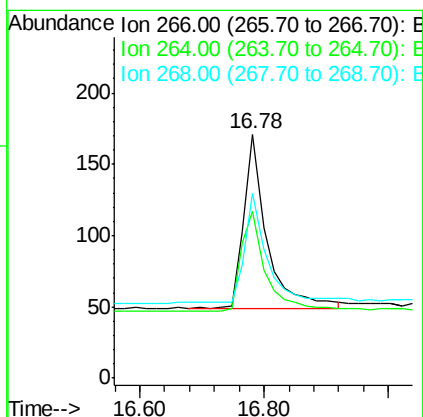
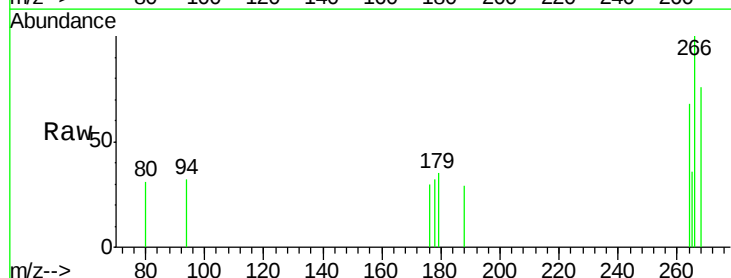
Instrument :
 BNA_M
 ClientSampleId :
 SST0.458

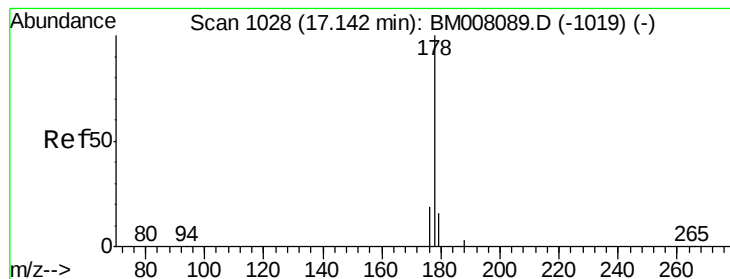
Tgt Ion:166 Resp: 1817
 Ion Ratio Lower Upper
 166 100
 165 99.3 73.4 110.2
 167 17.2 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BM008097.D
 Acq: 28 Nov 2016 21:30

Tgt Ion:266 Resp: 317
 Ion Ratio Lower Upper
 266 100
 264 61.5 47.9 71.9
 268 58.7 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: BM008097.D

Acq: 28 Nov 2016 21:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

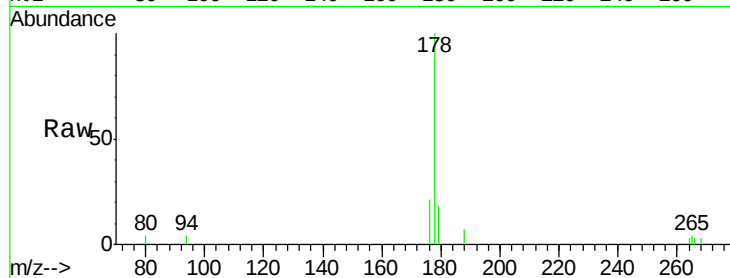
Tgt Ion:178 Resp: 2734

Ion Ratio Lower Upper

178 100

176 21.2 18.4 27.6

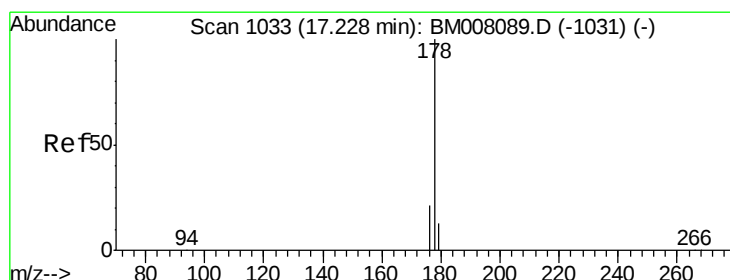
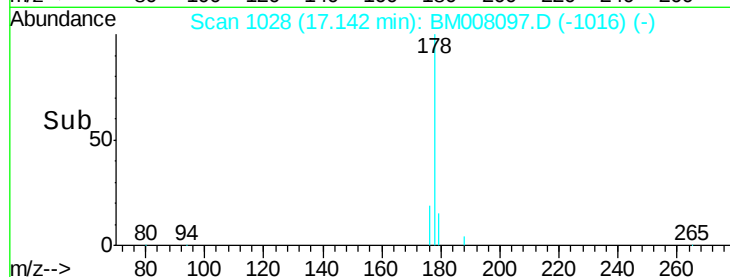
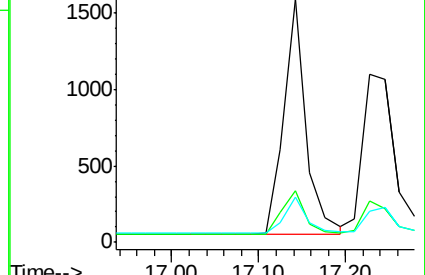
179 18.3 13.6 20.4



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: 0.41 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

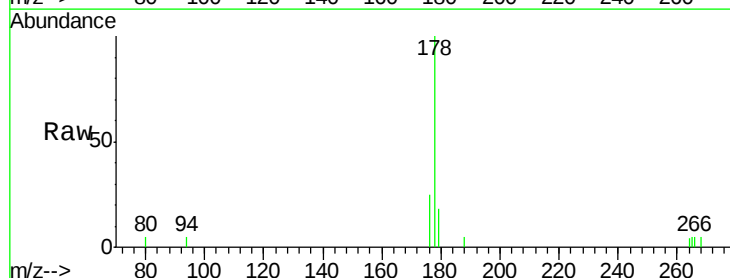
Tgt Ion:178 Resp: 2675

Ion Ratio Lower Upper

178 100

176 24.7 18.1 27.1

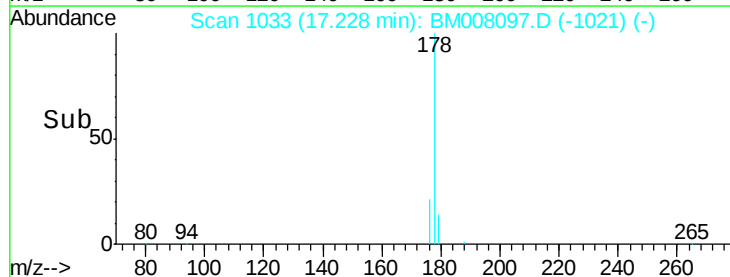
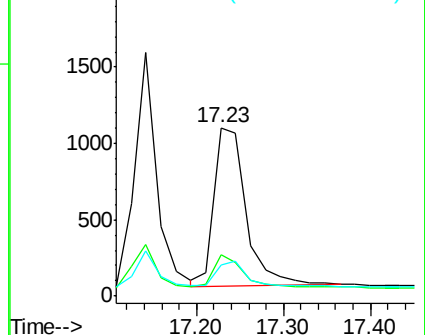
179 18.5 14.7 22.1

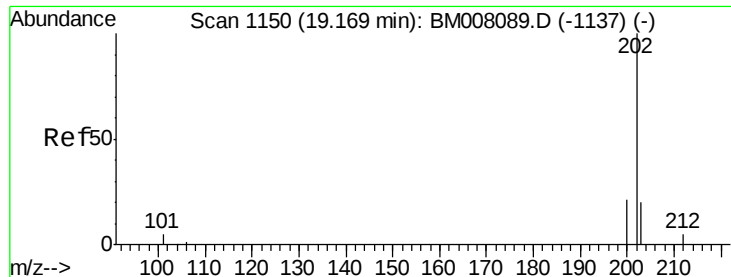


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

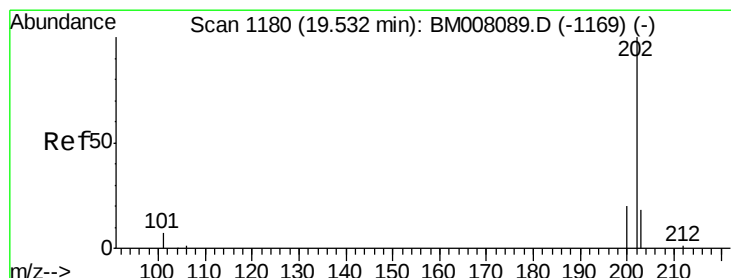
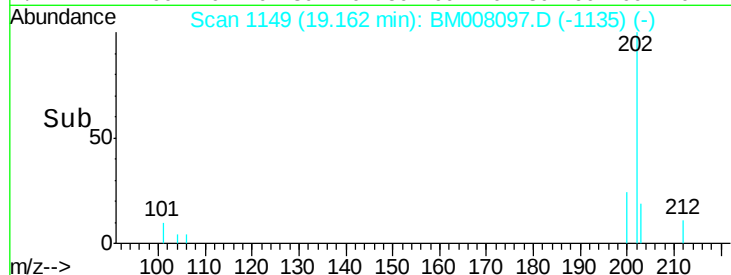
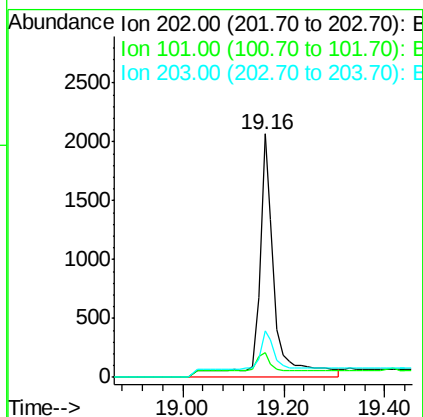
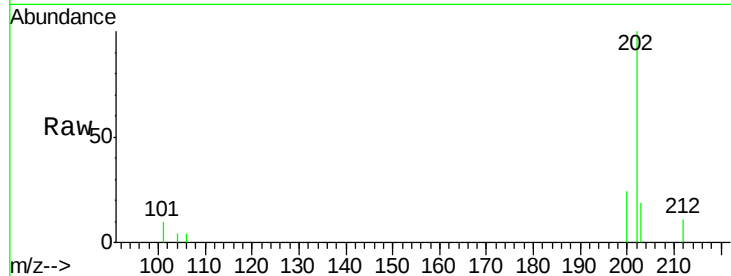




#15
Fluoranthene
 Concen: 0.50 ng/ul
 RT: 19.16 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BM008097.D
 Acq: 28 Nov 2016 21:30

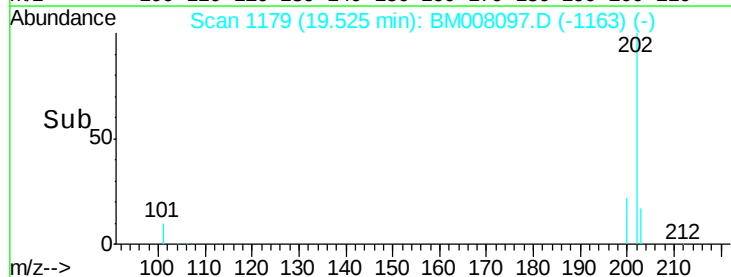
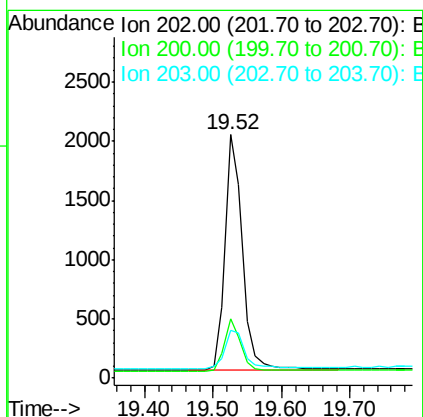
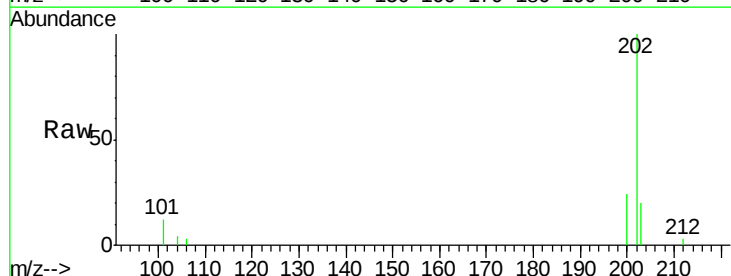
Instrument :
 BNA_M
 ClientSampleId :
 SST0.458

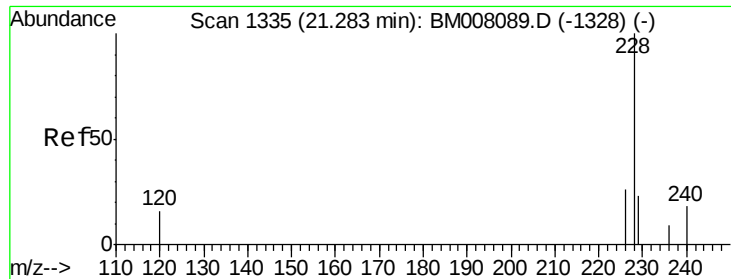
Tgt Ion:202 Resp: 4536
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.3
 203 19.2 0.0 39.5



#17
Pyrene
 Concen: 0.44 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BM008097.D
 Acq: 28 Nov 2016 21:30

Tgt Ion:202 Resp: 3512
 Ion Ratio Lower Upper
 202 100
 200 24.4 18.2 27.4
 203 19.7 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

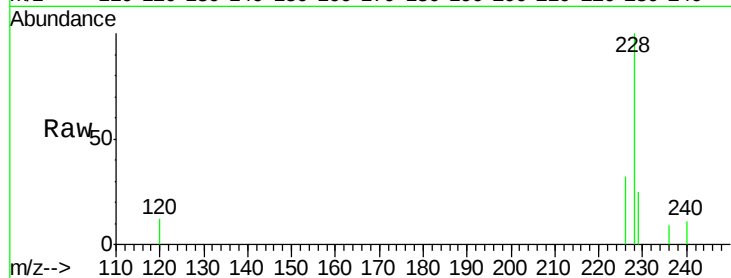
Tgt Ion:228 Resp: 3096

Ion Ratio Lower Upper

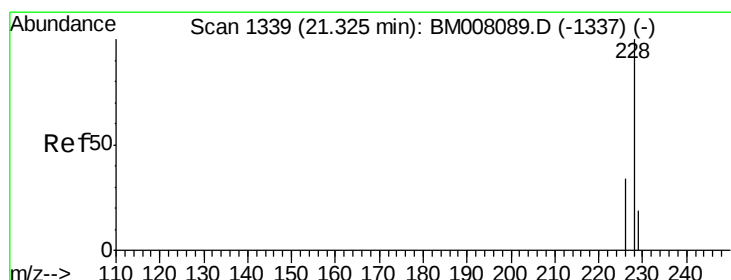
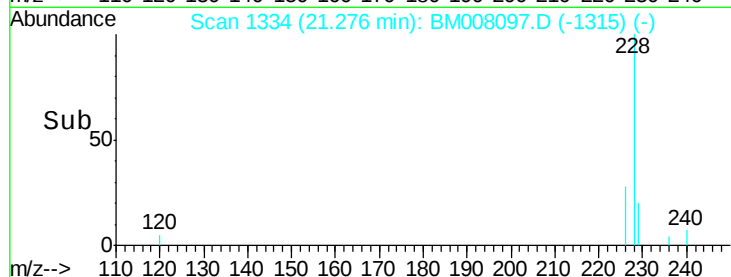
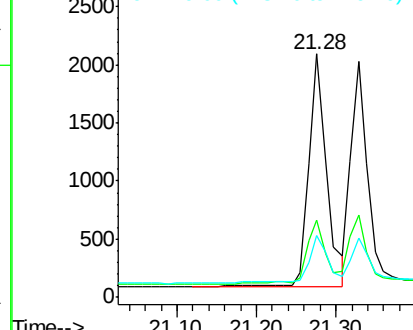
228 100

226 31.9 22.8 34.2

229 25.3 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: 0.33 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

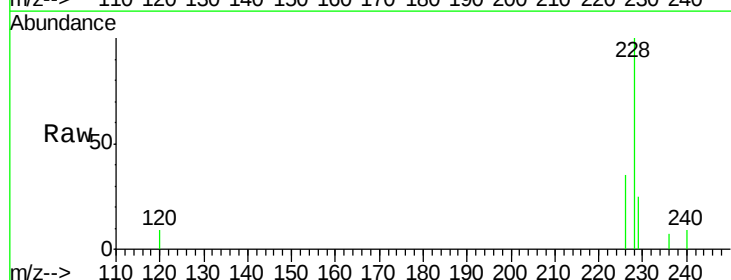
Tgt Ion:228 Resp: 2888

Ion Ratio Lower Upper

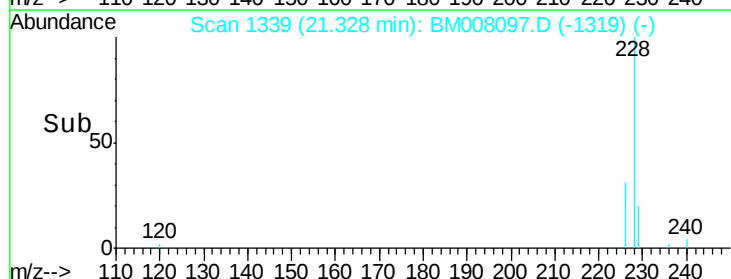
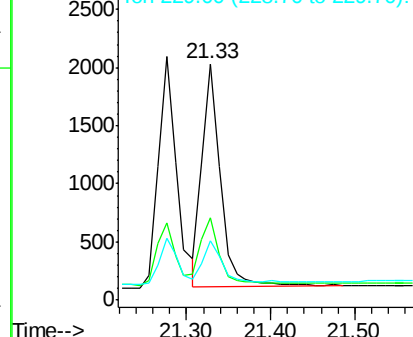
228 100

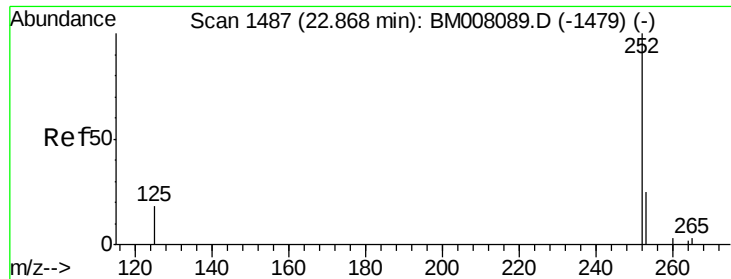
226 35.0 23.4 35.0

229 25.1 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: 0.37 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

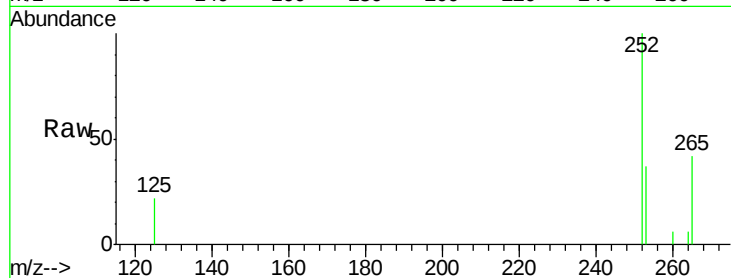
Tgt Ion:252 Resp: 3107

Ion Ratio Lower Upper

252 100

253 36.9 0.0 64.2

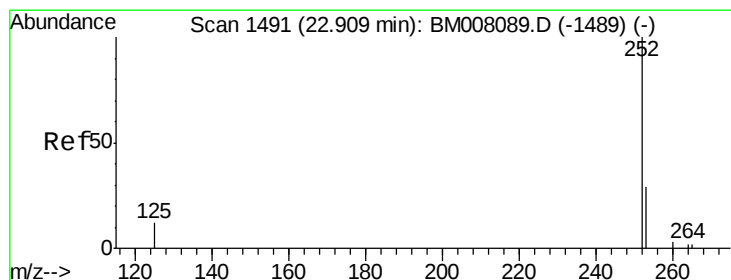
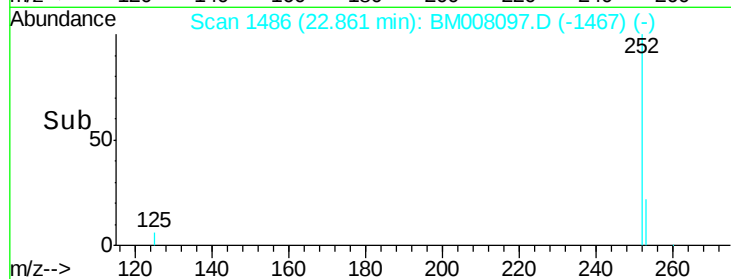
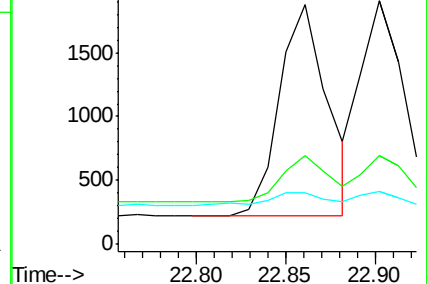
125 21.5 0.0 35.0



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: 0.35 ng/ul

RT: 22.90 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

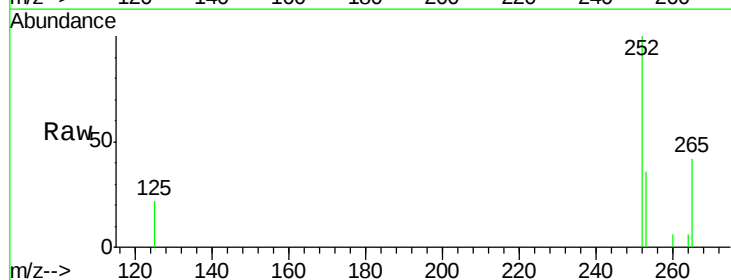
Tgt Ion:252 Resp: 3050

Ion Ratio Lower Upper

252 100

253 36.2 24.5 36.7

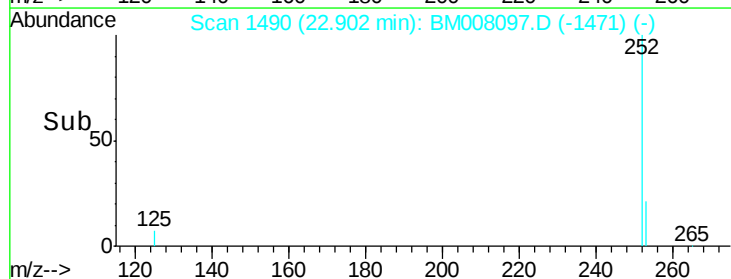
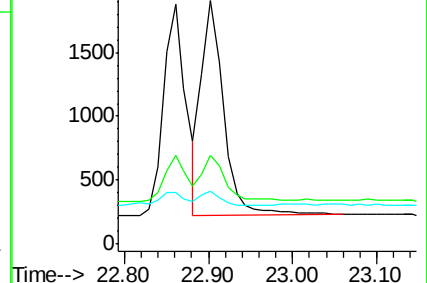
125 21.6 13.7 20.5#

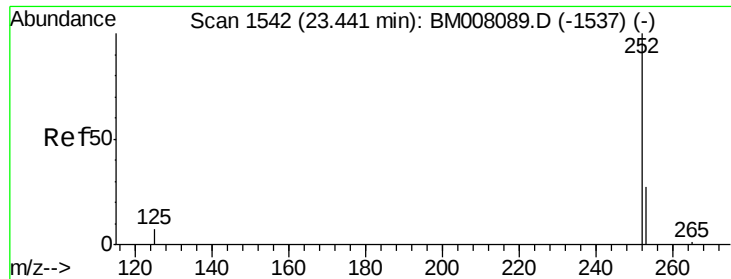


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

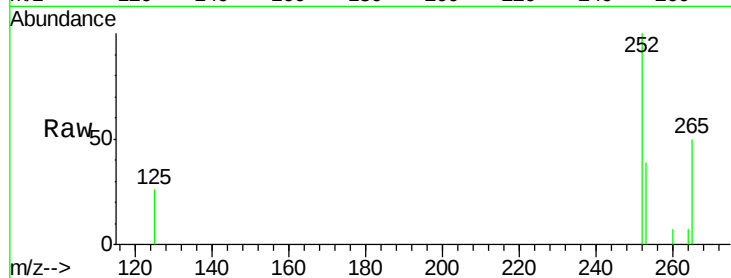
Tgt Ion: 252 Resp: 2994

Ion Ratio Lower Upper

252 100

253 39.2 28.5 42.7

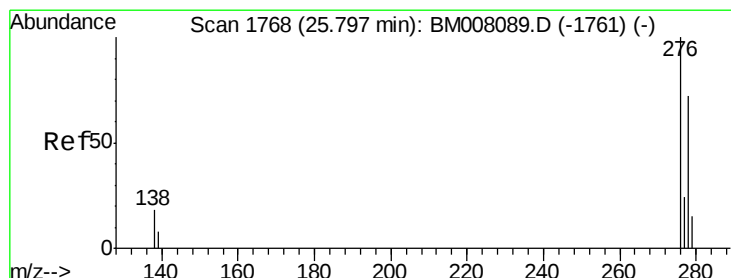
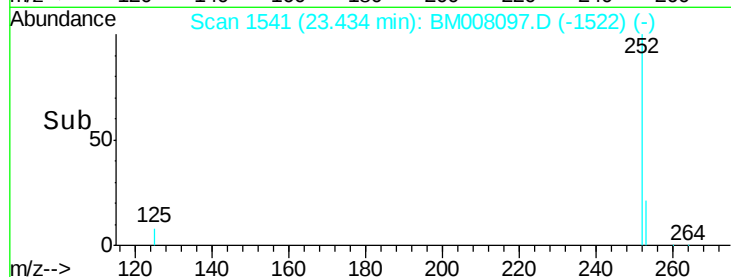
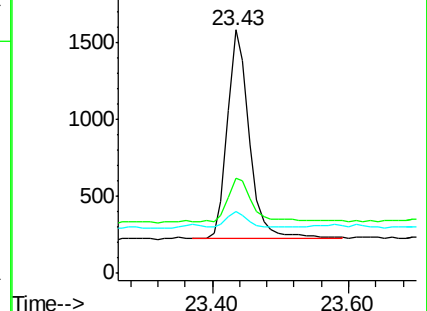
125 25.6 18.1 27.1



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: 0.36 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BM008097.D

Acq: 28 Nov 2016 21:30

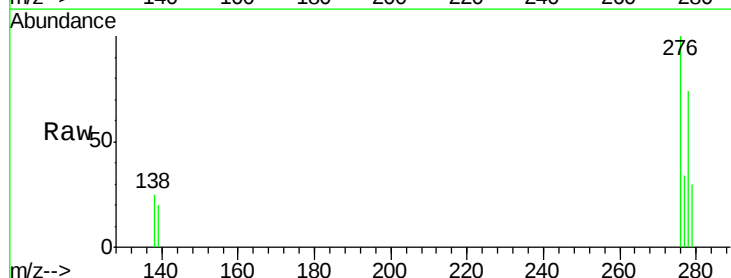
Tgt Ion: 276 Resp: 3571

Ion Ratio Lower Upper

276 100

138 19.2 19.1 28.7

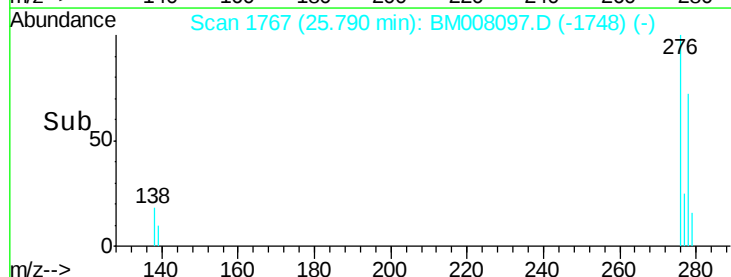
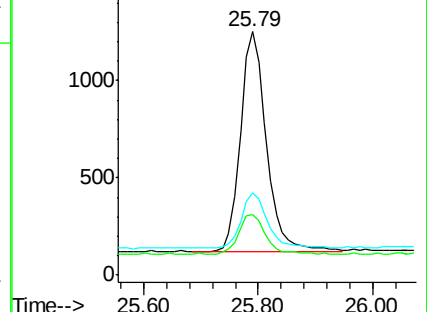
277 25.2 19.6 29.4

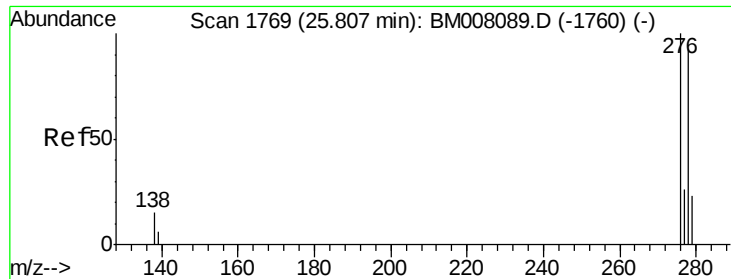


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

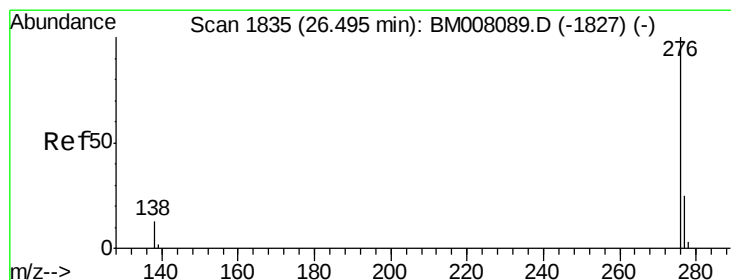
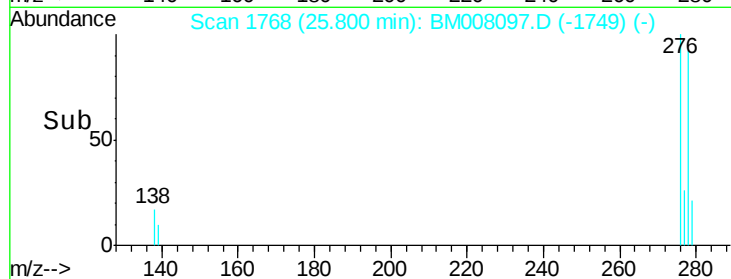
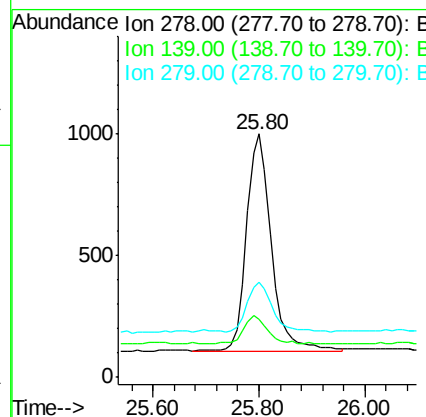
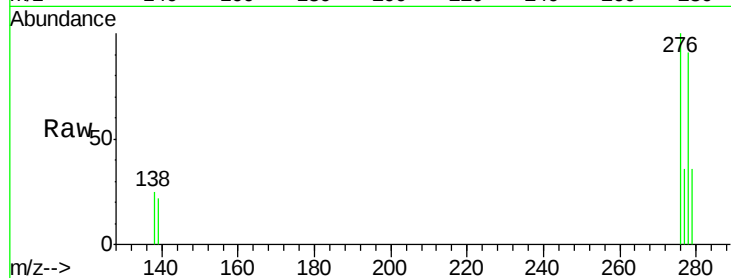




#25
Dibenzo(a,h)anthracene
Concen: 0.36 ng/ul
RT: 25.80 min Scan# 1768
Delta R.T. -0.01 min
Lab File: BM008097.D
Acq: 28 Nov 2016 21:30

Instrument :
BNA_M
ClientSampleId :
SSTD0.458

Tgt Ion: 278 Resp: 2865
Ion Ratio Lower Upper
278 100
139 24.0 17.4 26.0
279 39.1 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.35 ng/ul
RT: 26.48 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BM008097.D
Acq: 28 Nov 2016 21:30

Tgt Ion: 276 Resp: 3064
Ion Ratio Lower Upper
276 100
277 34.1 21.8 32.8#
138 24.7 20.5 30.7

