

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122016\
 Data File : BM008477.D
 Acq On : 20 Dec 2016 13:46
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.450

Quant Time: Dec 21 01:07:07 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 04:48:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	373	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.46	136	1214	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	688	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1276	0.40	ng/ul	-0.02
16) Chrysene-d12	21.26	240	1356	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	1252	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	711	0.38	ng/ul	-0.04
14) Fluoranthene-d10	19.10	212	1495	0.43	ng/ul	-0.02

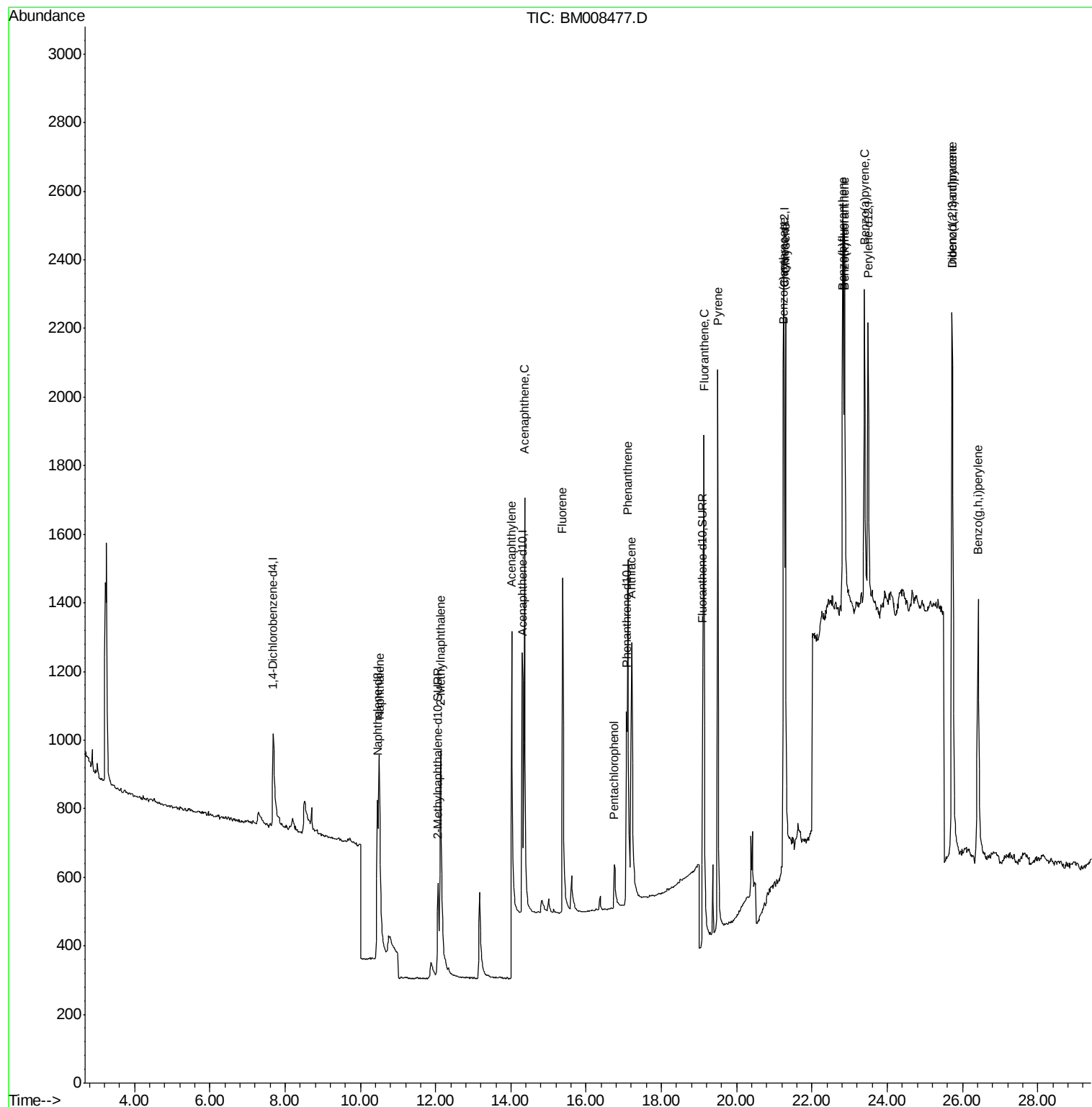
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	1375	0.40	ng/ul#	84
5) 2-Methylnaphthalene	12.13	142	891	0.39	ng/ul	98
7) Acenaphthylene	14.02	152	1215	0.39	ng/ul#	91
8) Acenaphthene	14.37	153	949	0.41	ng/ul	98
9) Fluorene	15.38	166	1047	0.39	ng/ul	92
11) Pentachlorophenol	16.75	266	198	0.50	ng/ul	98
12) Phenanthrene	17.11	178	1493	0.38	ng/ul#	93
13) Anthracene	17.21	178	1479	0.39	ng/ul#	91
15) Fluoranthene	19.13	202	1886	0.39	ng/ul	95
17) Pyrene	19.50	202	2010	0.38	ng/ul#	95
18) Benzo(a)anthracene	21.24	228	1713	0.38	ng/ul#	86
19) Chrysene	21.29	228	1753	0.36	ng/ul#	86
21) Benzo(b)fluoranthene	22.82	252	1737	0.35	ng/ul	81
22) Benzo(k)fluoranthene	22.86	252	1993	0.41	ng/ul#	76
23) Benzo(a)pyrene	23.39	252	1815	0.40	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.72	276	2219	0.41	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.72	278	1760	0.40	ng/ul#	76
26) Benzo(g,h,i)perylene	26.41	276	1930	0.41	ng/ul#	88

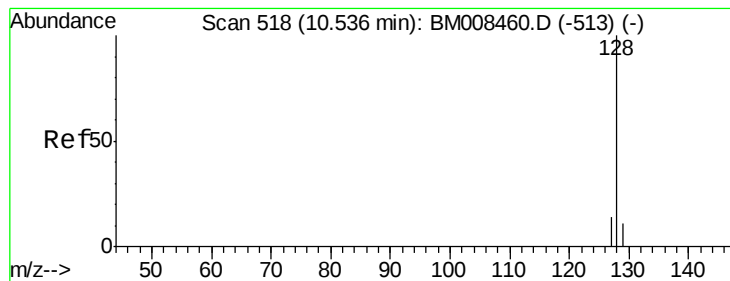
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.450

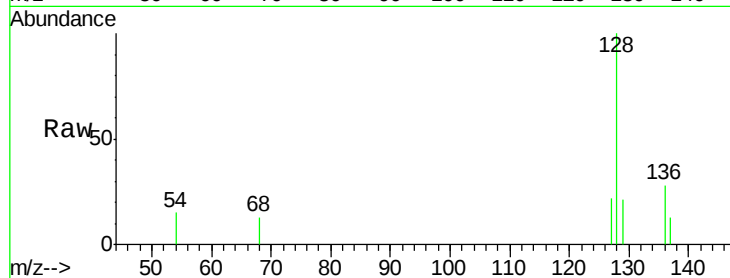
Tgt Ion:128 Resp: 1375

Ion Ratio Lower Upper

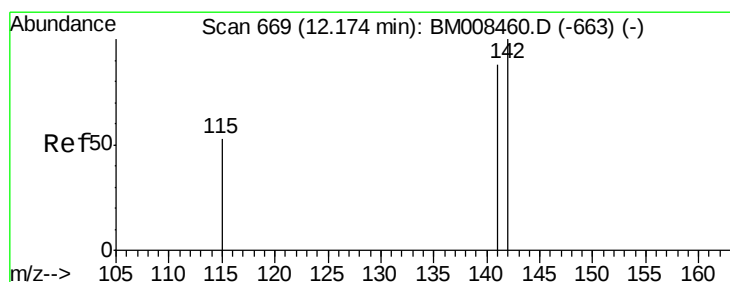
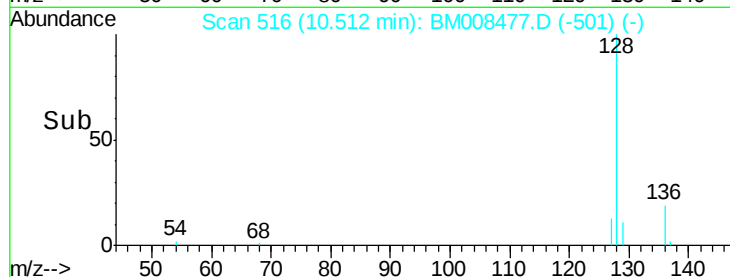
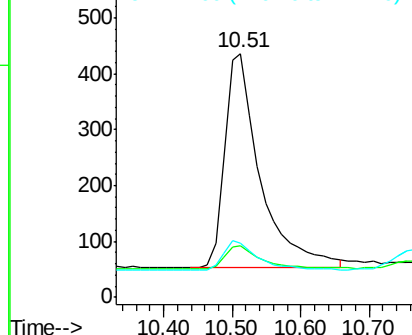
128 100

129 21.3 11.3 16.9#

127 22.5 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



#5

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.04 min

Lab File: BM008477.D

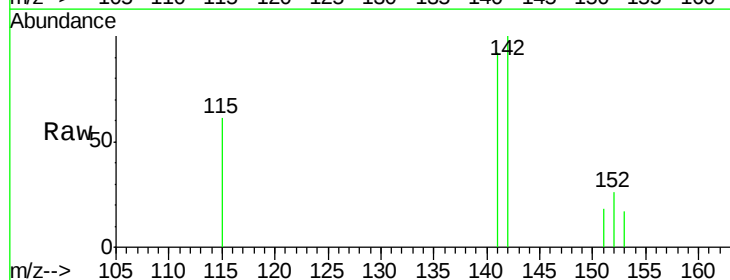
Acq: 20 Dec 2016 13:46

Tgt Ion:142 Resp: 891

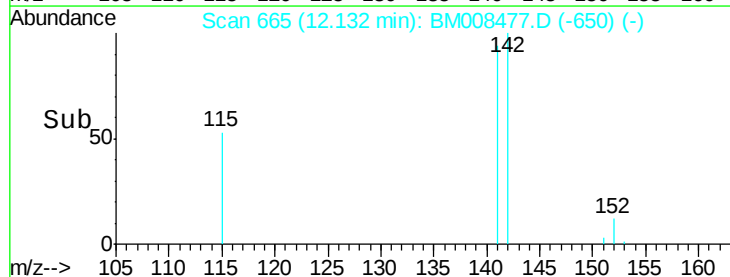
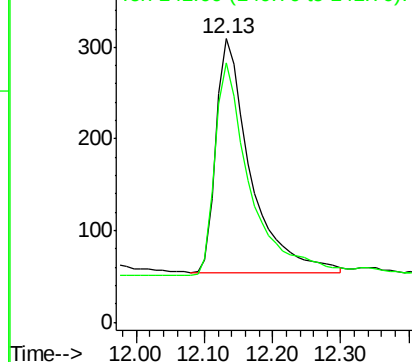
Ion Ratio Lower Upper

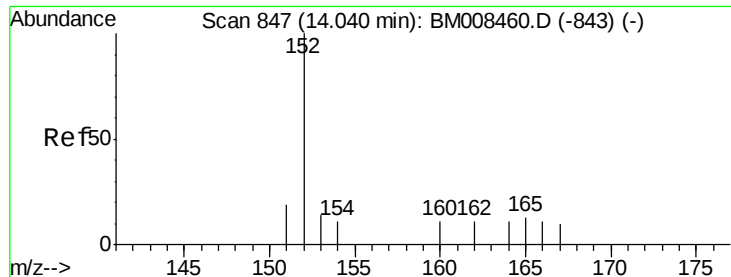
142 100

141 92.7 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: 0.39 ng/ul

RT: 14.02 min Scan# 846

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

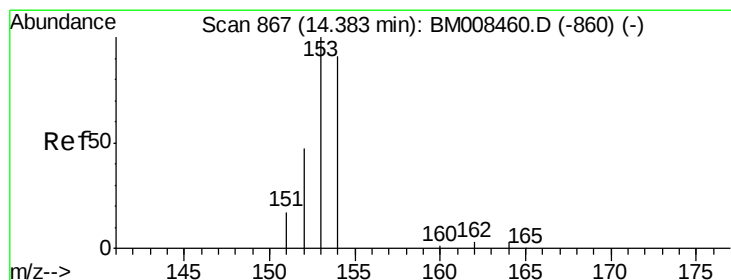
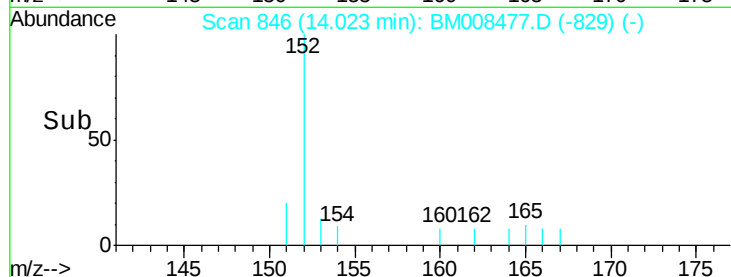
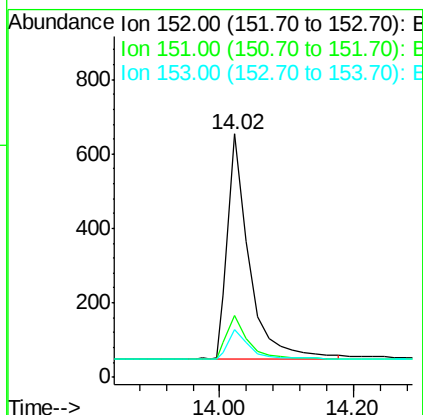
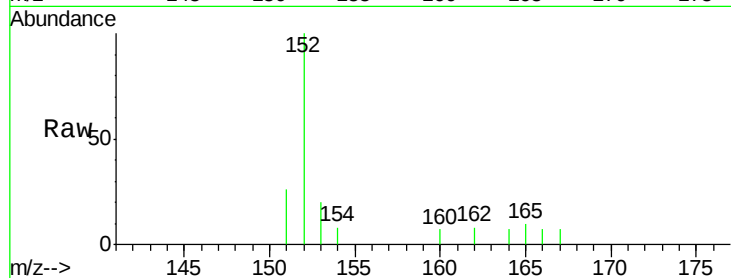
Instrument :

BNA_M

ClientSampleId :

SSTD0.450

Tgt Ion:	152	Resp:	1215
Ion	Ratio	Lower	Upper
152	100		
151	25.5	17.1	25.7
153	19.6	12.8	19.2#



#8

Acenaphthene

Concen: 0.41 ng/ul

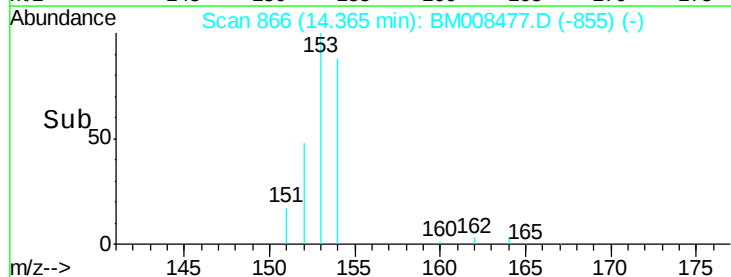
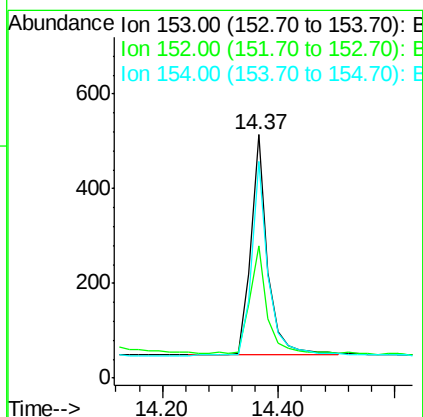
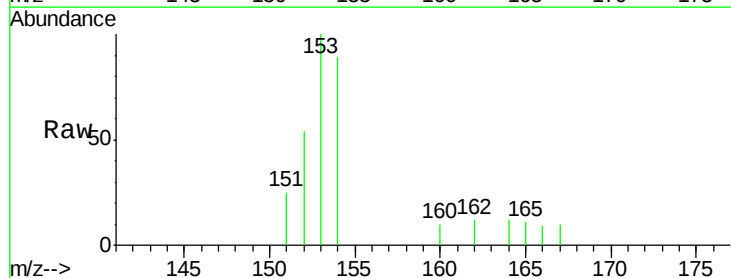
RT: 14.37 min Scan# 866

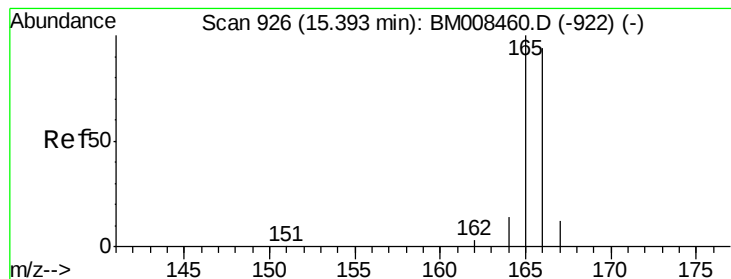
Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

Tgt Ion:	153	Resp:	949
Ion	Ratio	Lower	Upper
153	100		
152	54.3	40.3	60.5
154	88.9	71.4	107.2





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.450

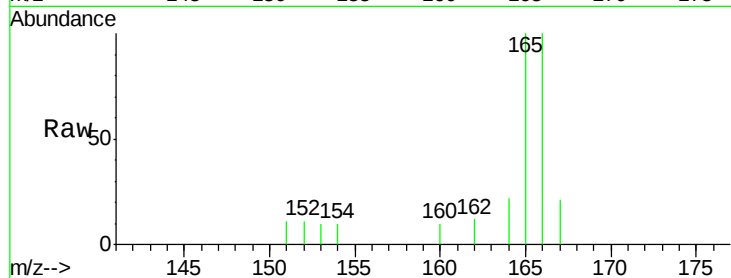
Tgt Ion:166 Resp: 1047

Ion Ratio Lower Upper

166 100

165 100.2 73.4 110.2

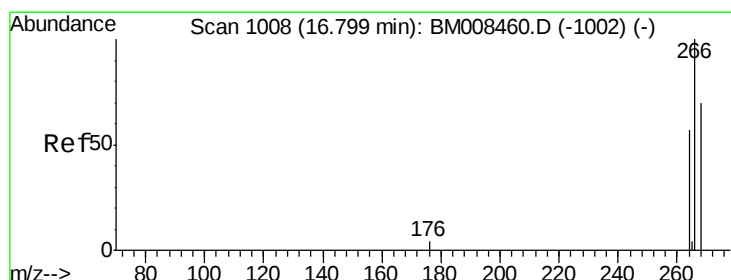
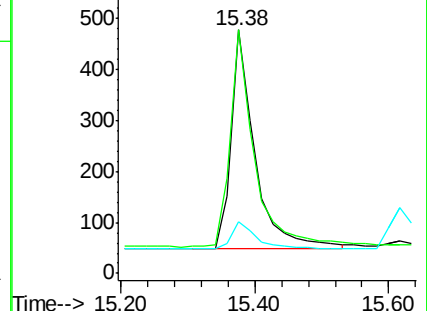
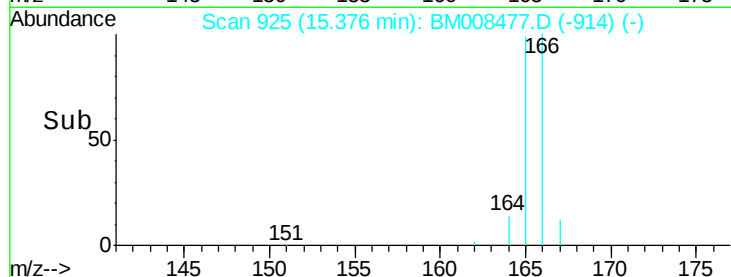
167 21.2 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.50 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.05 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

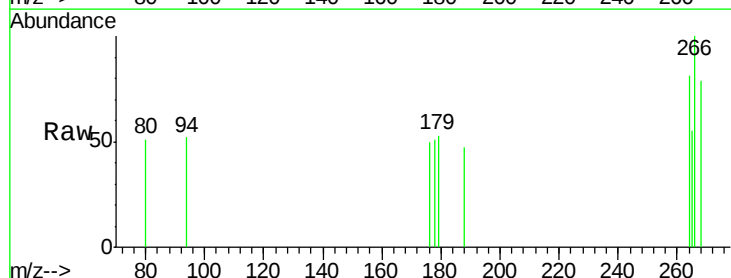
Tgt Ion:266 Resp: 198

Ion Ratio Lower Upper

266 100

264 58.1 47.9 71.9

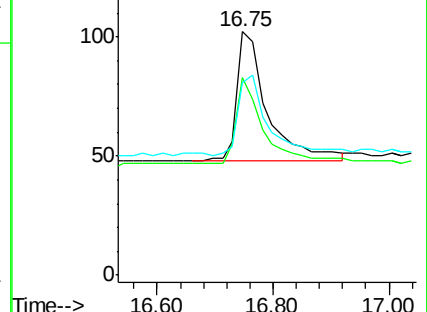
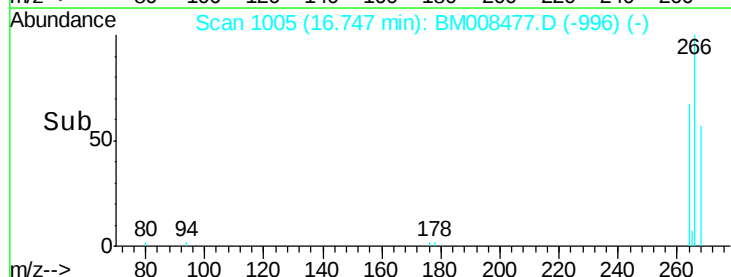
268 63.1 49.8 74.8

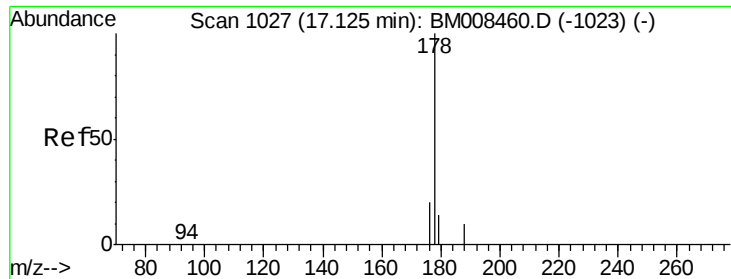


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.450

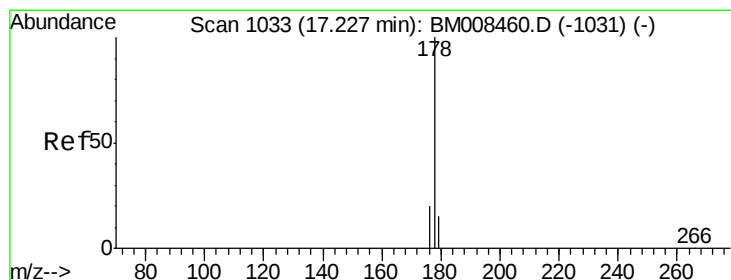
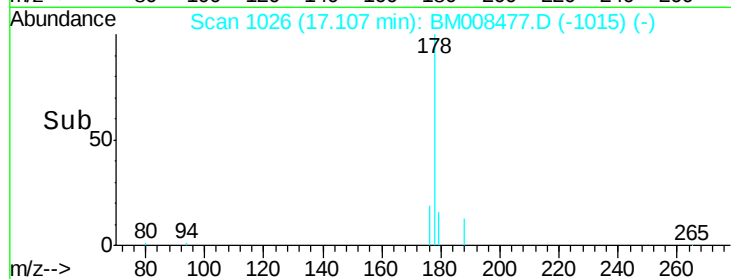
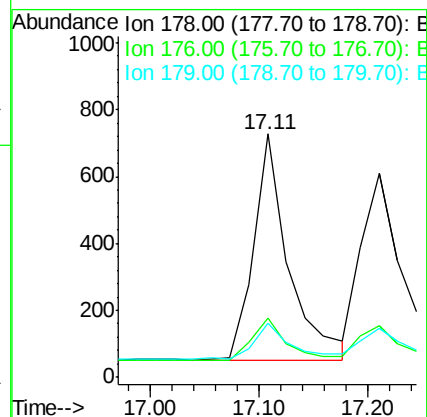
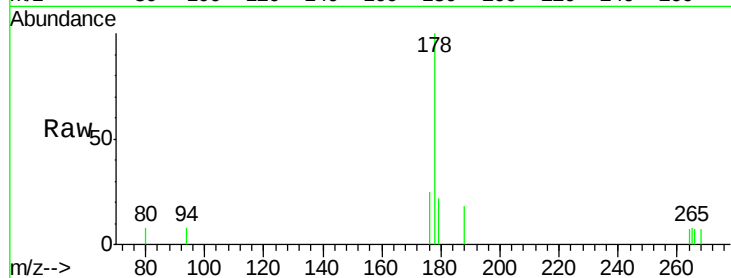
Tgt Ion:178 Resp: 1493

Ion Ratio Lower Upper

178 100

176 24.6 18.4 27.6

179 22.3 13.6 20.4#



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

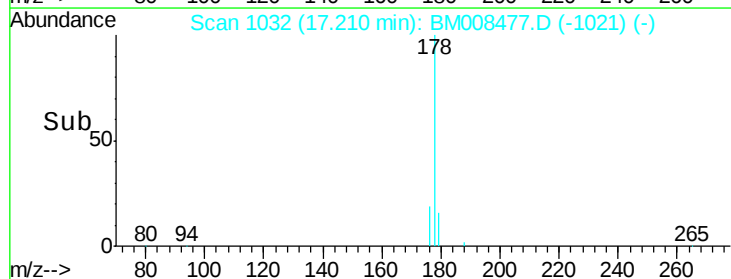
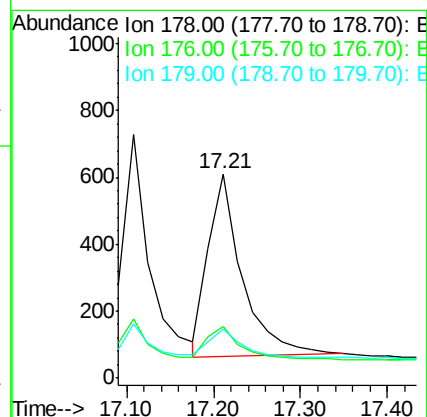
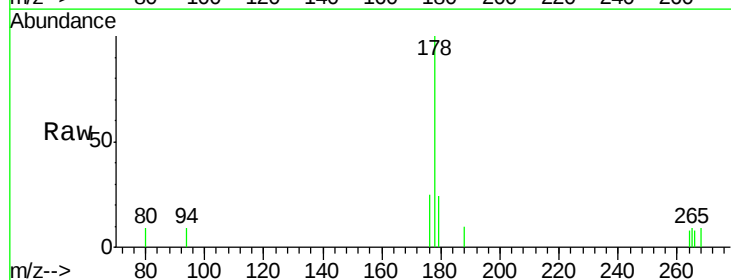
Tgt Ion:178 Resp: 1479

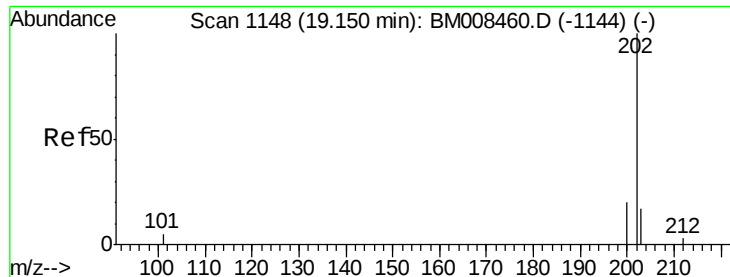
Ion Ratio Lower Upper

178 100

176 25.2 18.1 27.1

179 23.9 14.7 22.1#

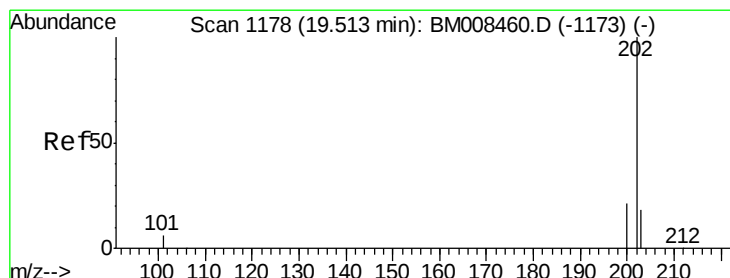
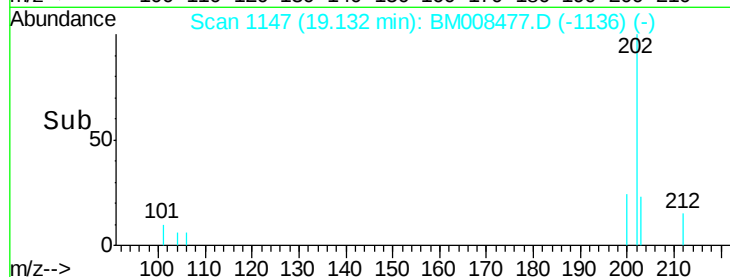
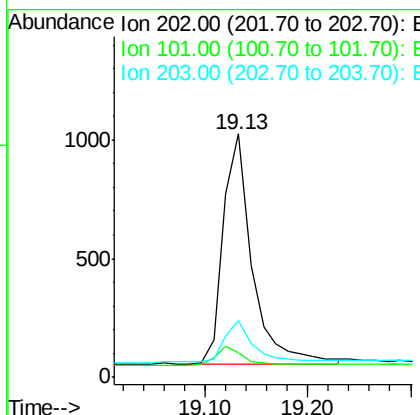
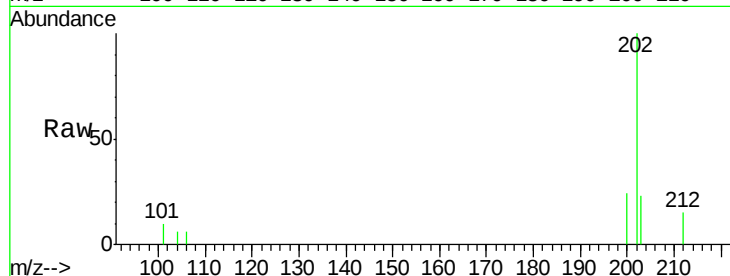




#15
Fluoranthene
 Concen: 0.39 ng/ul
 RT: 19.13 min Scan# 1147
 Delta R.T. -0.02 min
 Lab File: BM008477.D
 Acq: 20 Dec 2016 13:46

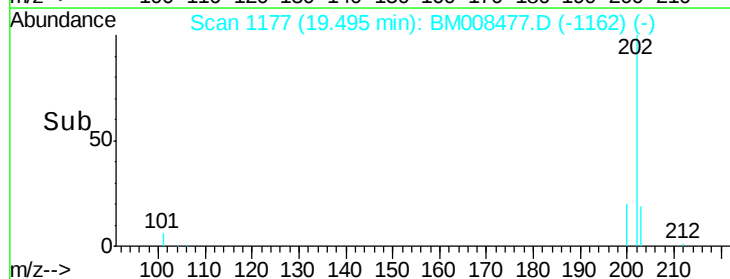
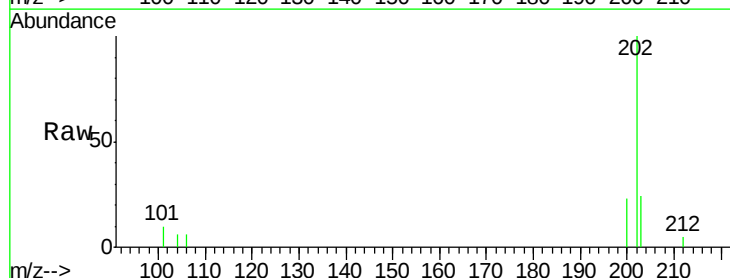
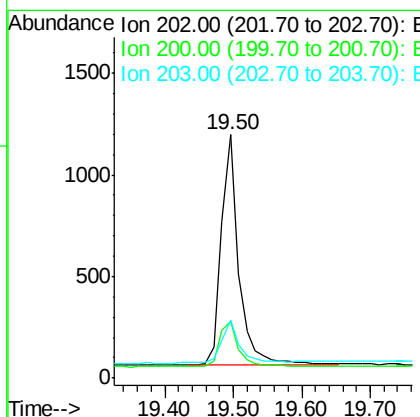
Instrument :
 BNA_M
 ClientSampleId :
 SST0.450

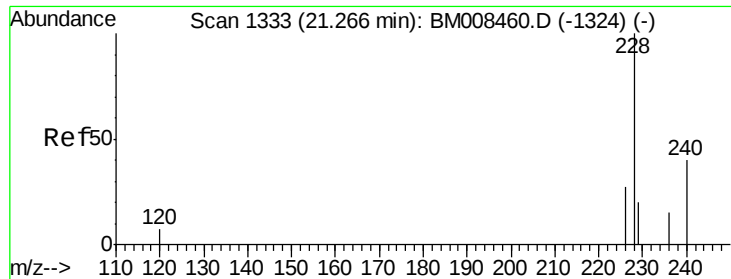
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.3
203	23.1	0.0	39.5



#17
Pyrene
 Concen: 0.38 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BM008477.D
 Acq: 20 Dec 2016 13:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.3	18.2	27.4
203	23.6	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.24 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.450

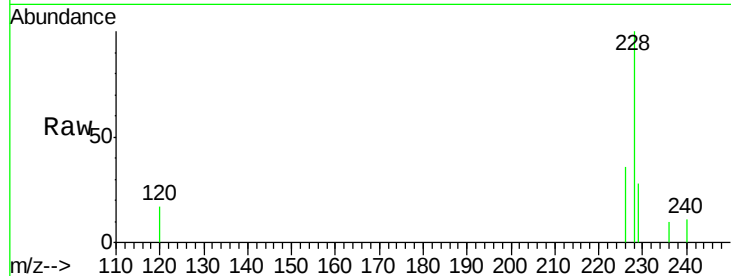
Tgt Ion:228 Resp: 1713

Ion Ratio Lower Upper

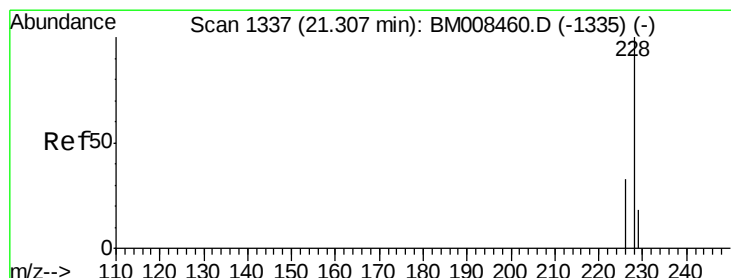
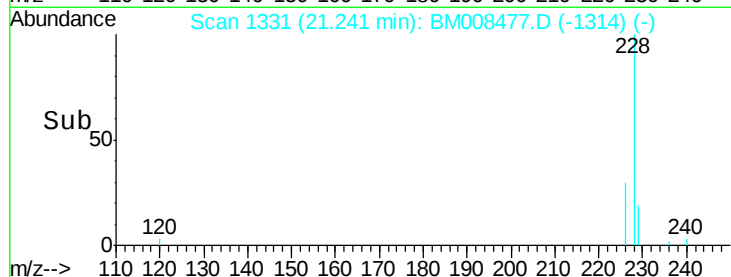
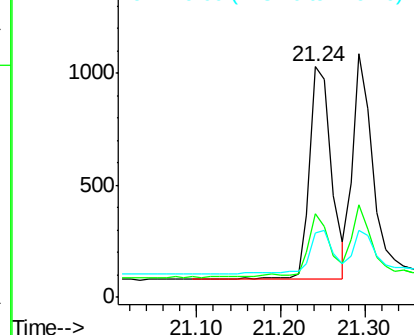
228 100

226 36.2 22.8 34.2#

229 27.7 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: 0.36 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

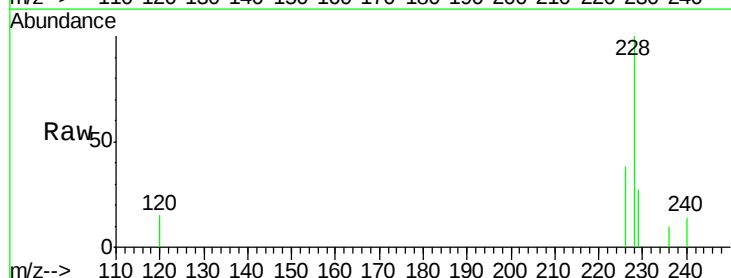
Tgt Ion:228 Resp: 1753

Ion Ratio Lower Upper

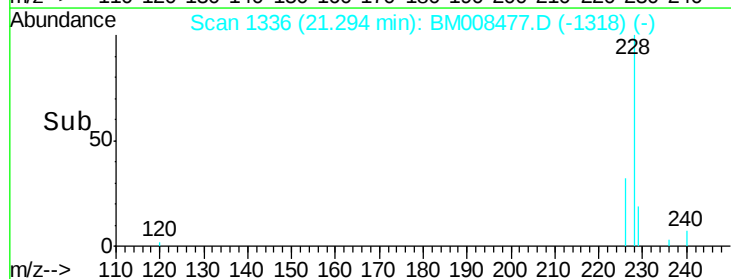
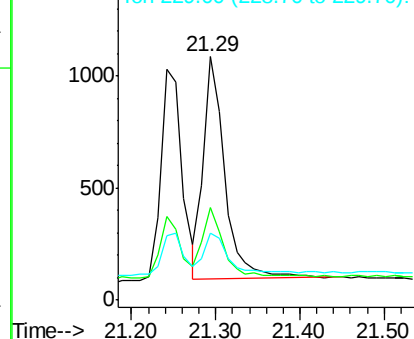
228 100

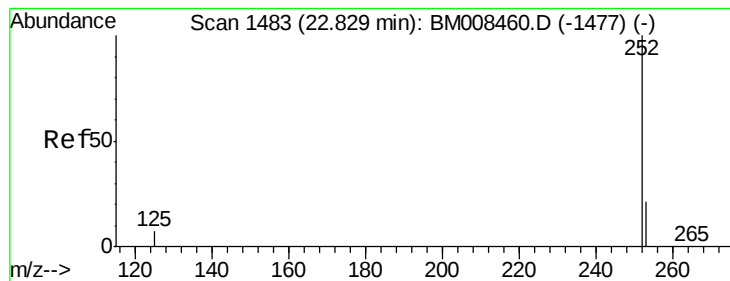
226 38.1 23.4 35.0#

229 27.3 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: 0.35 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

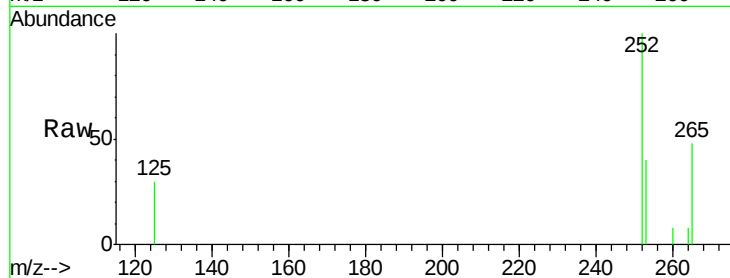
Instrument :

BNA_M

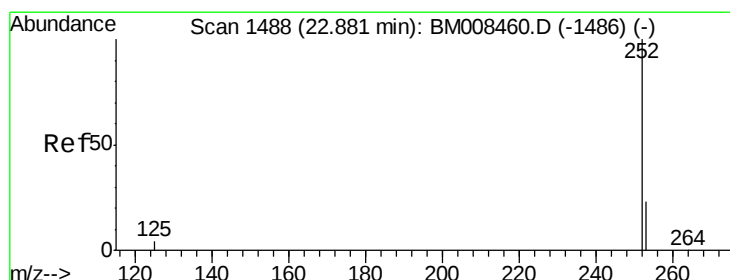
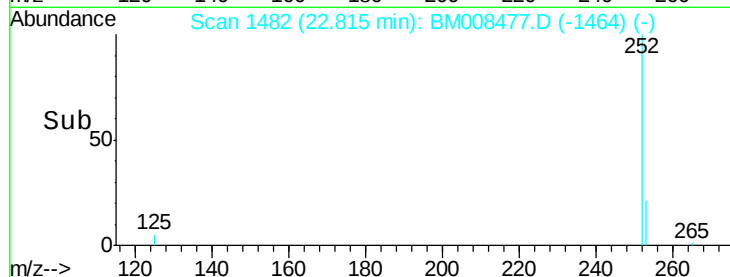
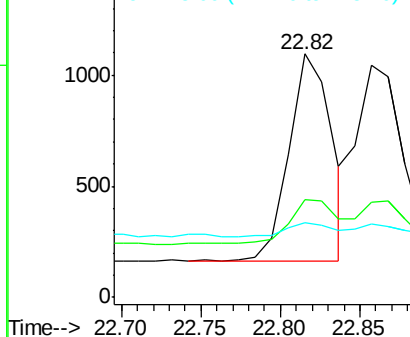
ClientSampleId :

SSTD0.450

Tgt Ion:	252	Resp:	1737
Ion	Ratio	Lower	Upper
252	100		
253	39.9	0.0	64.2
125	30.5	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: 0.41 ng/ul

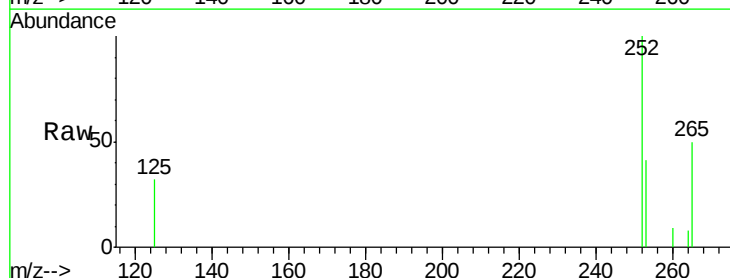
RT: 22.86 min Scan# 1486

Delta R.T. -0.02 min

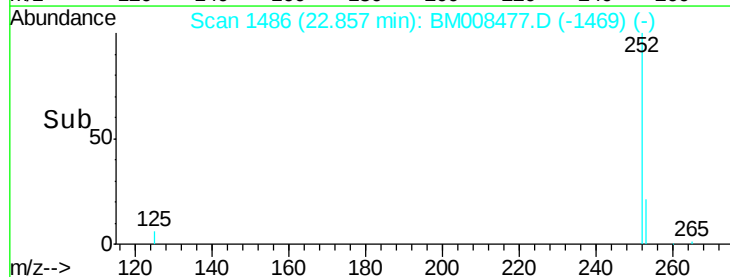
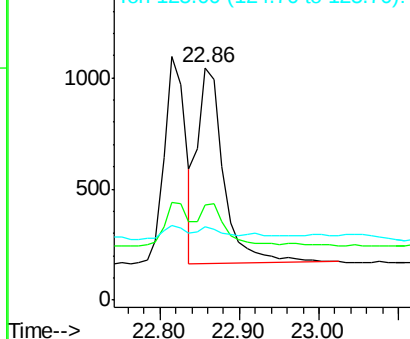
Lab File: BM008477.D

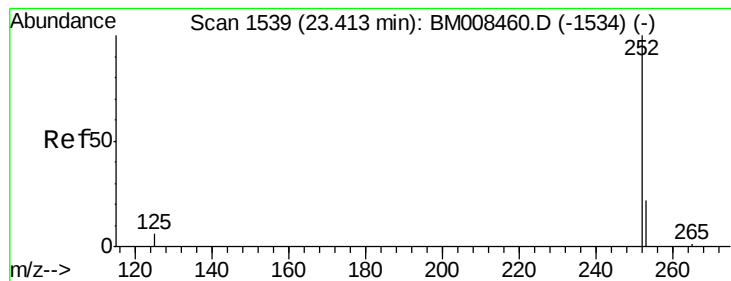
Acq: 20 Dec 2016 13:46

Tgt Ion:	252	Resp:	1993
Ion	Ratio	Lower	Upper
252	100		
253	40.8	24.5	36.7#
125	31.6	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: 0.40 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.450

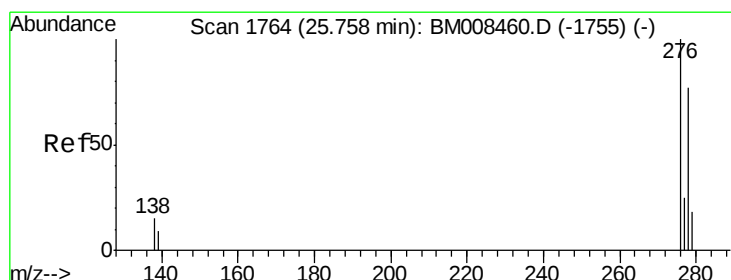
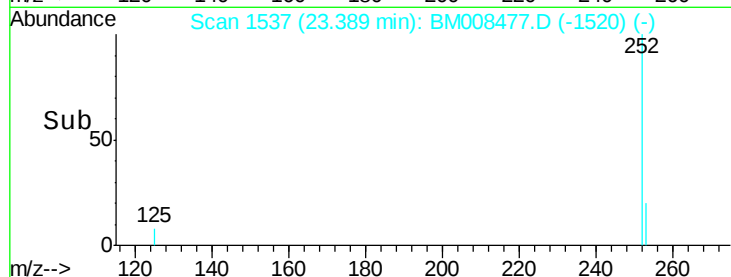
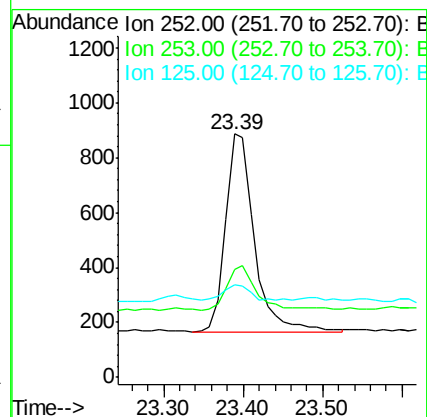
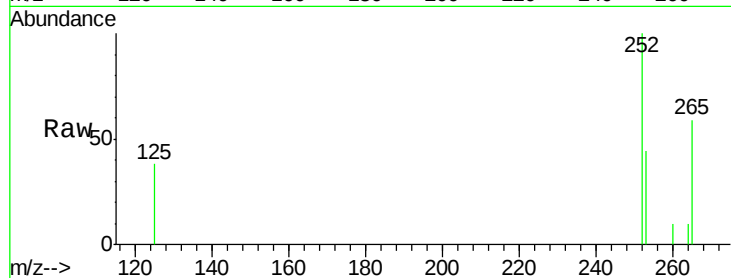
Tgt Ion: 252 Resp: 1815

Ion Ratio Lower Upper

252 100

253 44.3 28.5 42.7#

125 38.1 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

RT: 25.72 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BM008477.D

Acq: 20 Dec 2016 13:46

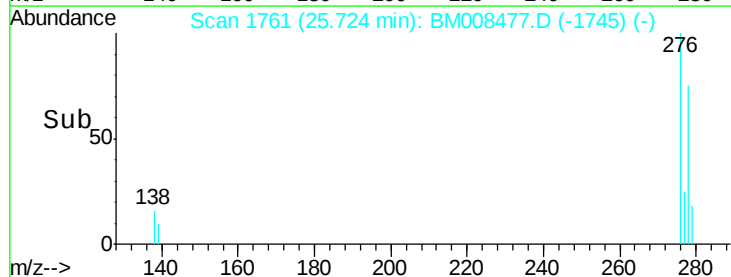
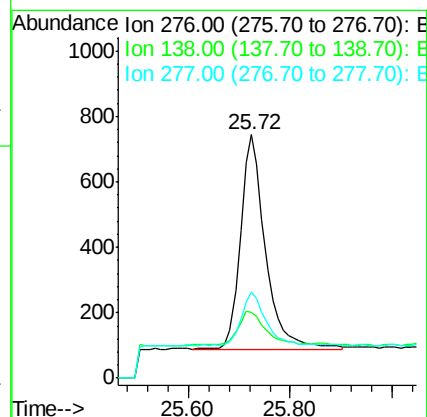
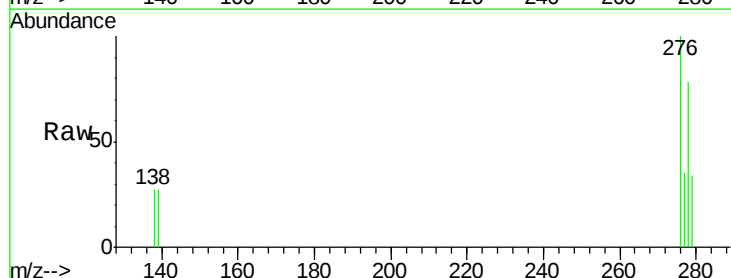
Tgt Ion: 276 Resp: 2219

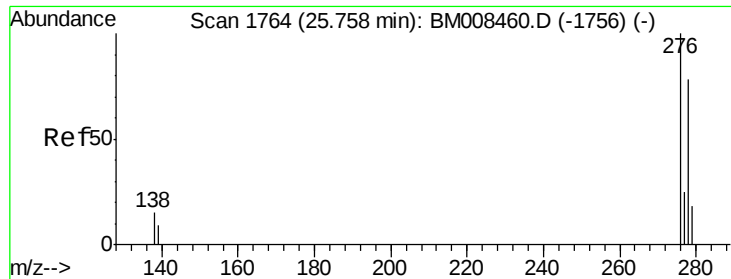
Ion Ratio Lower Upper

276 100

138 17.1 19.1 28.7#

277 24.1 19.6 29.4

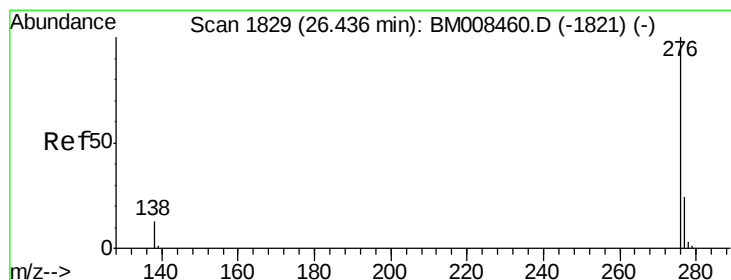
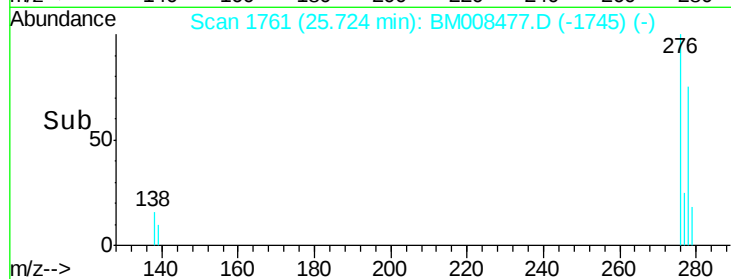
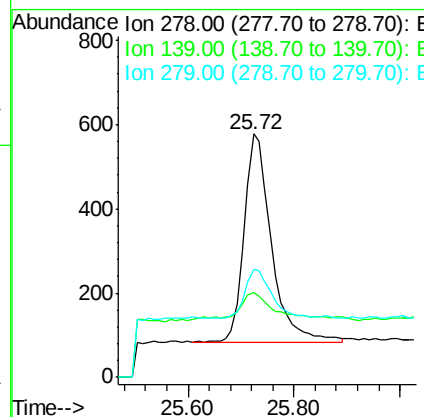
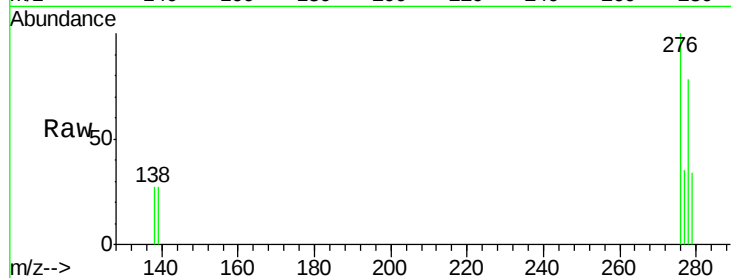




#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 25.72 min Scan# 1761
Delta R.T. -0.03 min
Lab File: BM008477.D
Acq: 20 Dec 2016 13:46

Instrument :
BNA_M
ClientSampleId :
SSTD0.450

Tgt Ion: 278 Resp: 1760
Ion Ratio Lower Upper
278 100
139 34.8 17.4 26.0#
279 44.3 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 26.41 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BM008477.D
Acq: 20 Dec 2016 13:46

Tgt Ion: 276 Resp: 1930
Ion Ratio Lower Upper
276 100
277 36.1 21.8 32.8#
138 29.1 20.5 30.7

