

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092116\
 Data File : BM007499.D
 Acq On : 21 Sep 2016 19:35
 Operator : UM/SJ
 Sample : SSTDICC0.235
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.235

Quant Time: Sep 22 01:14:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM092116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 01:14:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1587	0.40	ng/ul	0.02
2) Naphthalene-d8	10.58	136	5961	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	3627	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.16	188	9585	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	9972	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	9355	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	1358	0.19	ng/ul	0.01
14) Fluoranthene-d10	19.19	212	4324	0.20	ng/ul	0.00

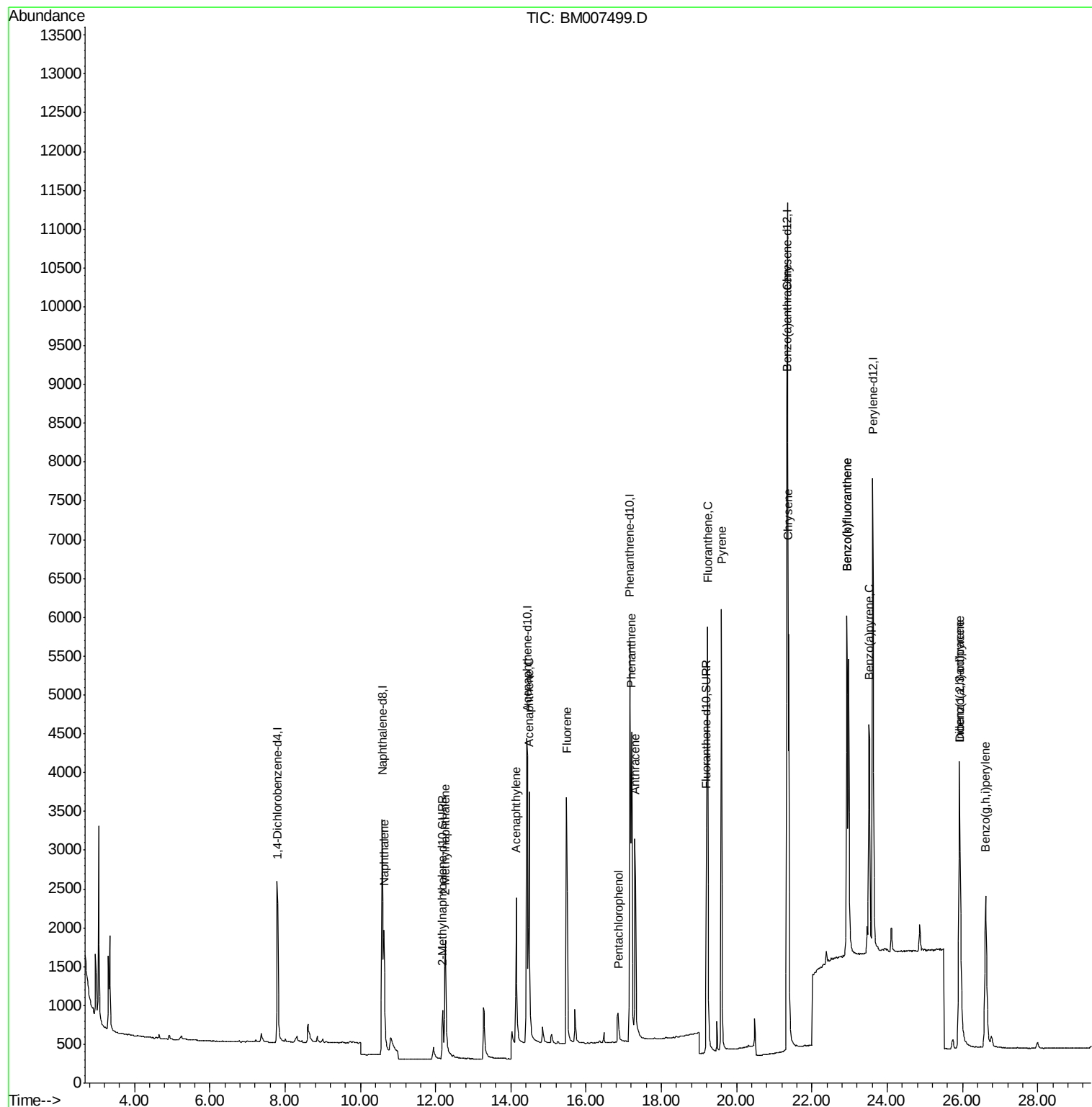
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	2752	0.19	ng/ul	95
5) 2-Methylnaphthalene	12.26	142	1835	0.19	ng/ul	99
7) Acenaphthylene	14.14	152	3003	0.16	ng/ul	97
8) Acenaphthene	14.49	153	2406	0.19	ng/ul	96
9) Fluorene	15.48	166	2904	0.20	ng/ul	95
11) Pentachlorophenol	16.85	266	473	0.20	ng/ul	99
12) Phenanthrene	17.21	178	5071	0.19	ng/ul	99
13) Anthracene	17.30	178	4480	0.18	ng/ul	97
15) Fluoranthene	19.23	202	6284	0.20	ng/ul	98
17) Pyrene	19.59	202	6699	0.21	ng/ul	99
18) Benzo(a)anthracene	21.34	228	5766	0.19	ng/ul	98
19) Chrysene	21.38	228	6341	0.21	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	6053	0.18	ng/ul	94
22) Benzo(k)fluoranthene	22.93	252	6053	0.21	ng/ul	95
23) Benzo(a)pyrene	23.51	252	5659	0.20	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.91	276	5713	0.16	ng/ul	100
25) Dibenzo(a,h)anthracene	25.93	278	4329	0.16	ng/ul	94
26) Benzo(g,h,i)perylene	26.62	276	5181	0.17	ng/ul	98

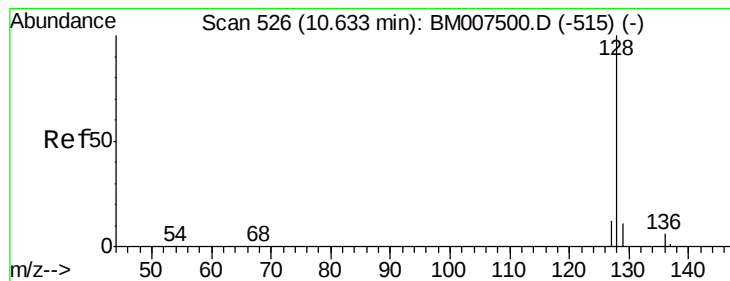
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.19 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.235

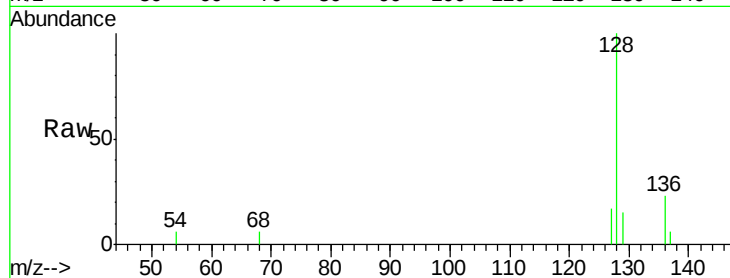
Tgt Ion:128 Resp: 2752

Ion Ratio Lower Upper

128 100

129 15.1 10.7 16.1

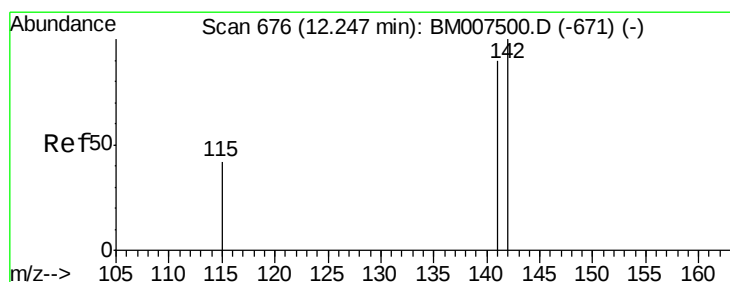
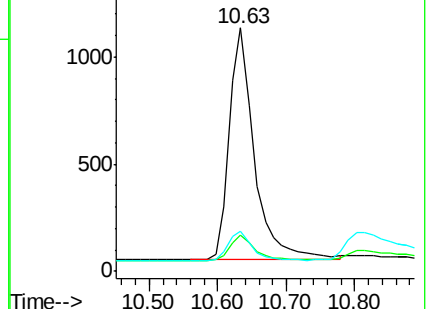
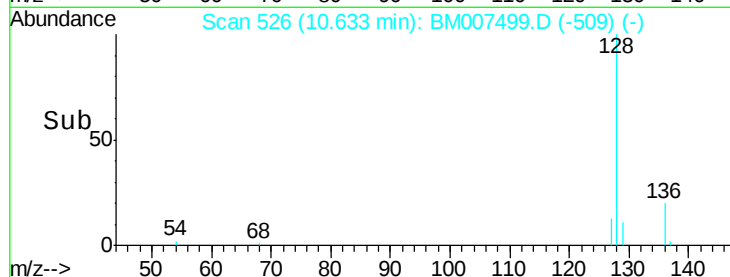
127 16.6 11.3 16.9



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: 0.19 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.01 min

Lab File: BM007499.D

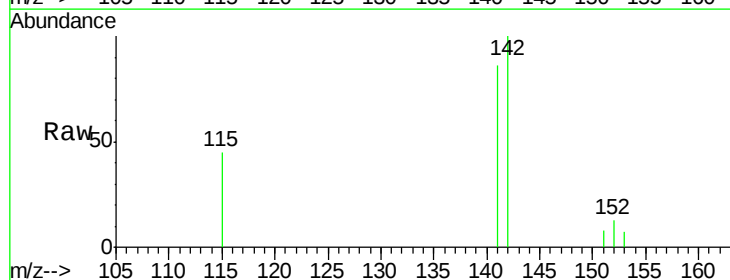
Acq: 21 Sep 2016 19:35

Tgt Ion:142 Resp: 1835

Ion Ratio Lower Upper

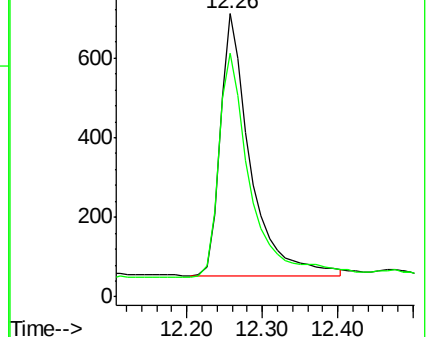
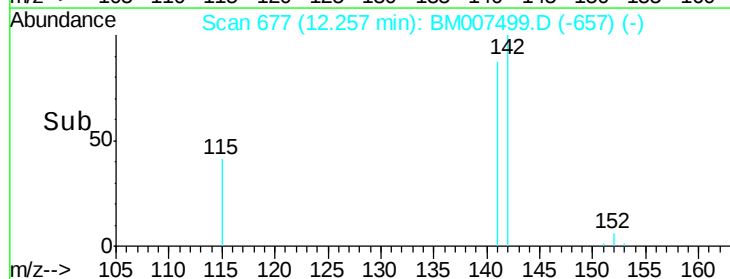
142 100

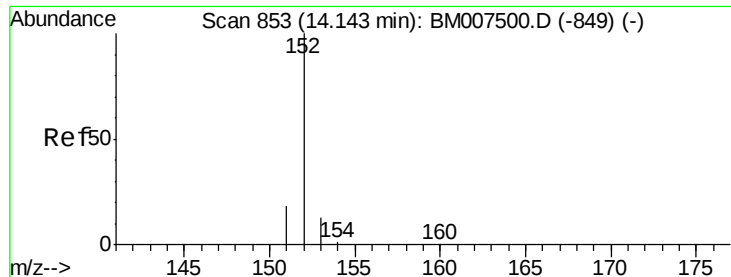
141 89.9 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.235

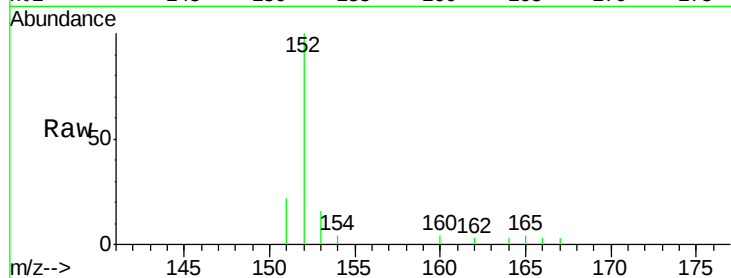
Tgt Ion:152 Resp: 3003

Ion Ratio Lower Upper

152 100

151 21.8 15.8 23.8

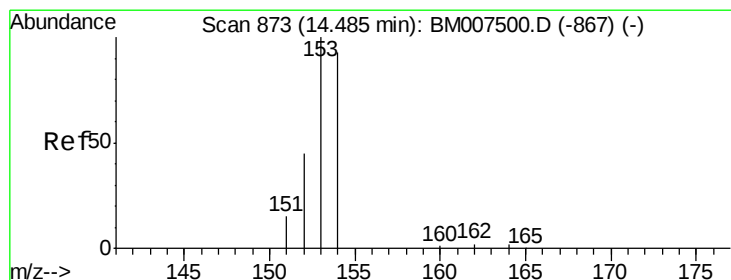
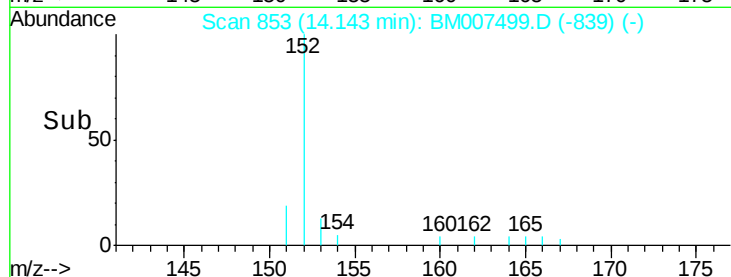
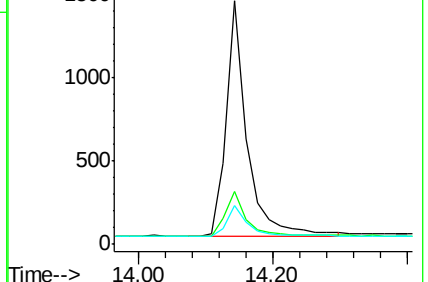
153 16.1 12.2 18.2



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: 0.19 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

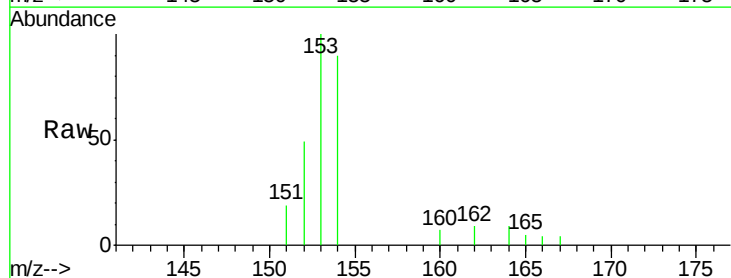
Tgt Ion:153 Resp: 2406

Ion Ratio Lower Upper

153 100

152 49.0 37.6 56.4

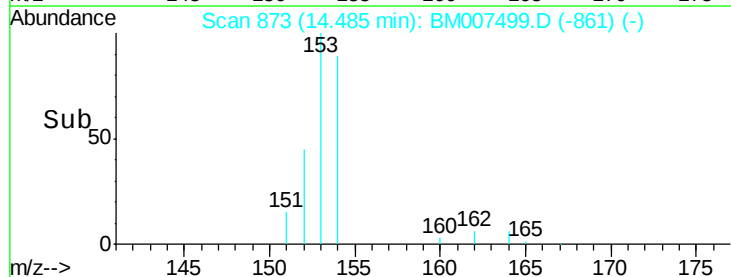
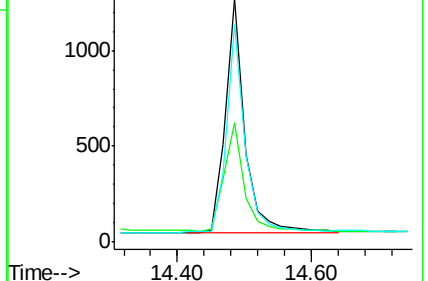
154 89.6 74.6 112.0

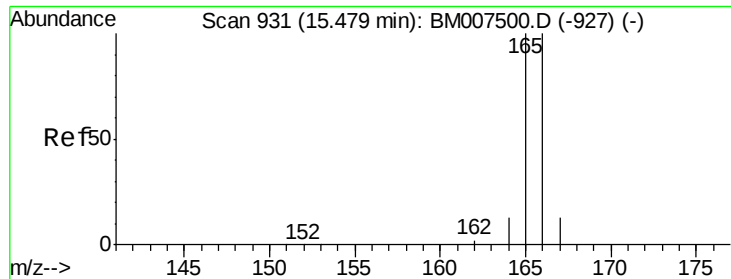


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.20 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.235

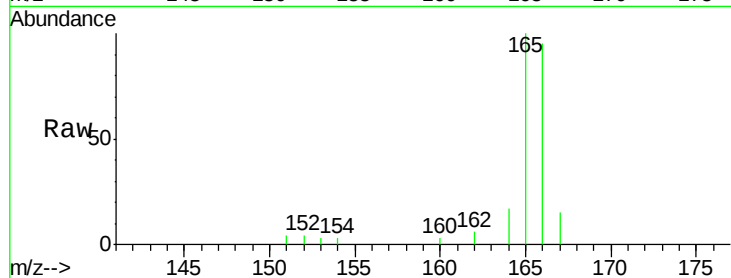
Tgt Ion:166 Resp: 2904

Ion Ratio Lower Upper

166 100

165 105.2 79.8 119.8

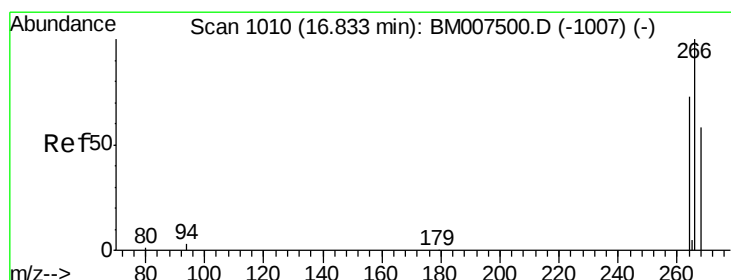
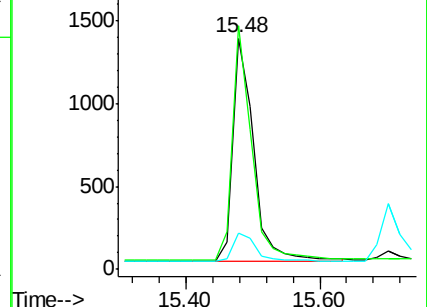
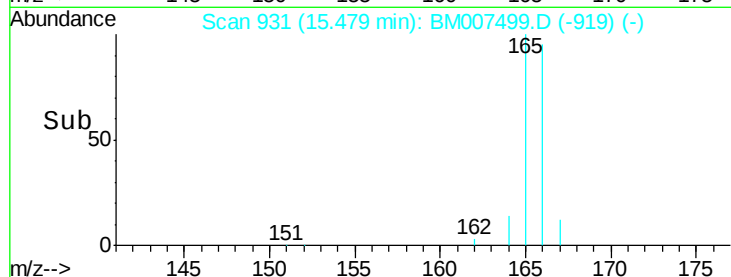
167 15.6 11.5 17.3



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: 0.20 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

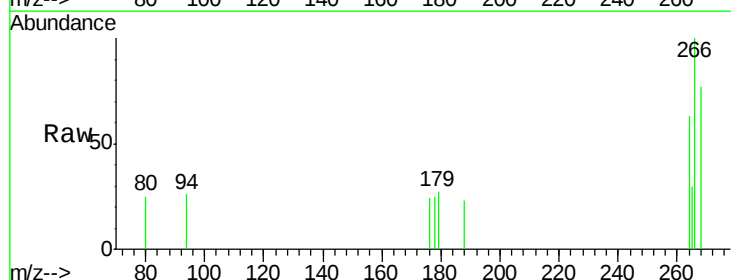
Tgt Ion:266 Resp: 473

Ion Ratio Lower Upper

266 100

264 64.3 51.4 77.2

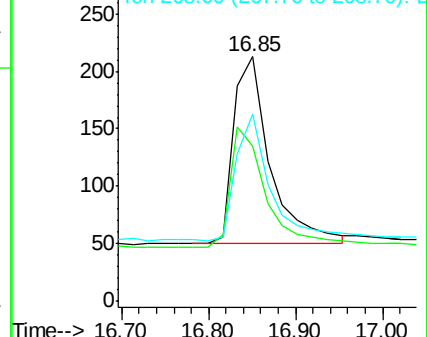
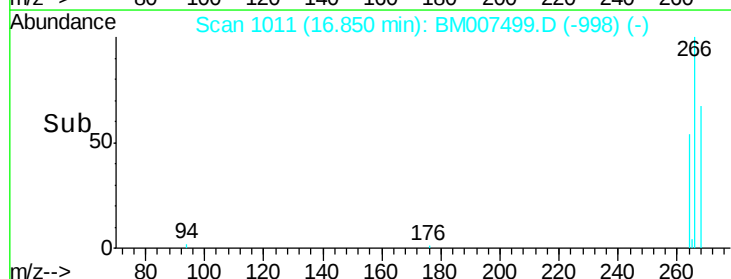
268 64.5 52.9 79.3

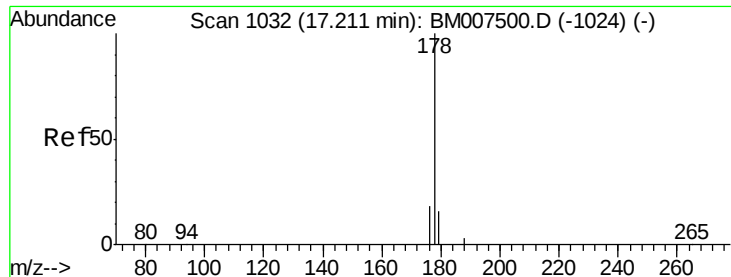


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.19 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.235

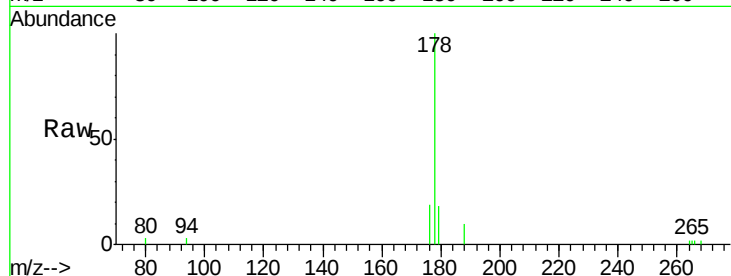
Tgt Ion:178 Resp: 5071

Ion Ratio Lower Upper

178 100

176 19.4 14.9 22.3

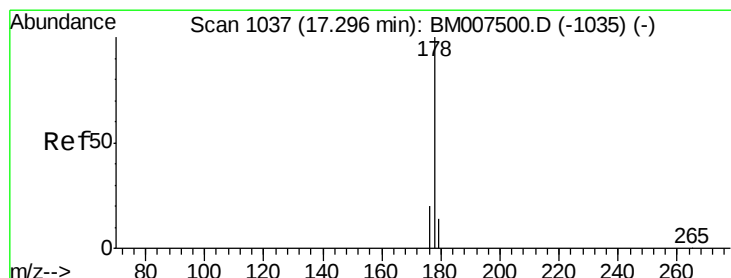
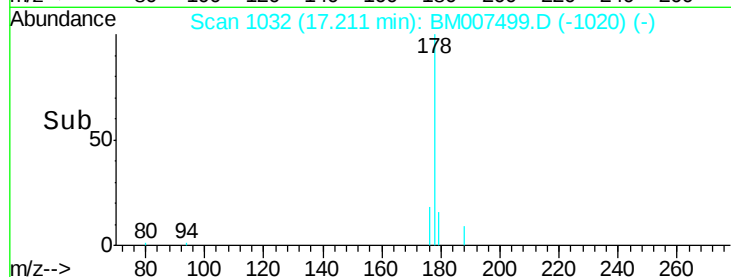
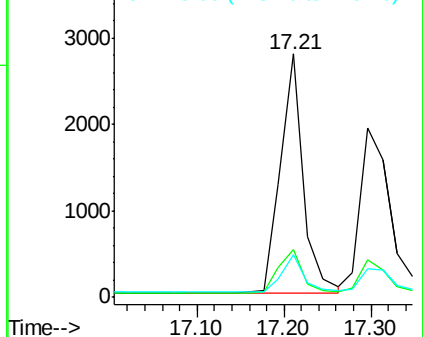
179 17.6 13.7 20.5



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: 0.18 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

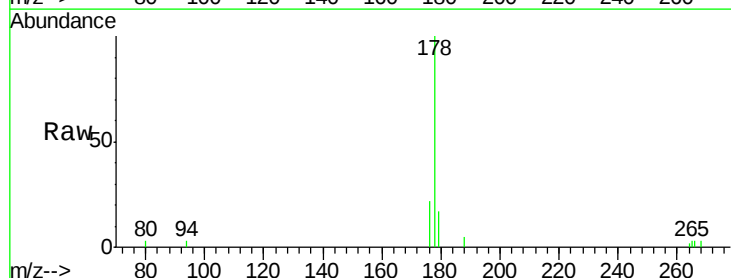
Tgt Ion:178 Resp: 4480

Ion Ratio Lower Upper

178 100

176 22.3 16.6 24.8

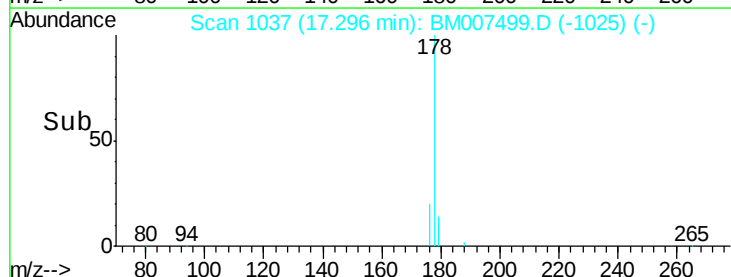
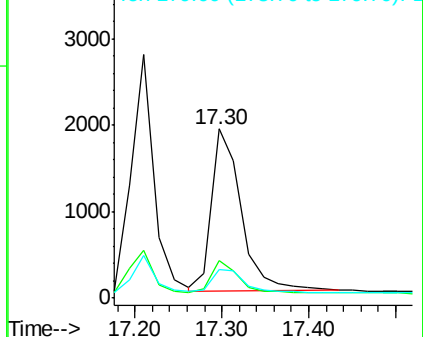
179 16.8 12.5 18.7

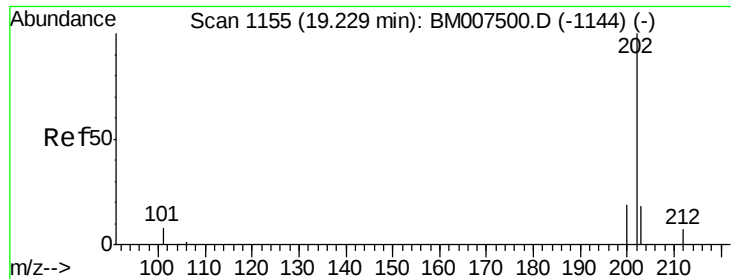


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.20 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

BNA_M

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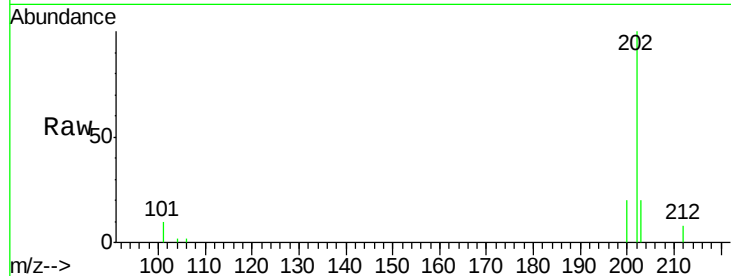
Tgt Ion:202 Resp: 6284

Ion Ratio Lower Upper

202 100

101 9.9 0.0 28.4

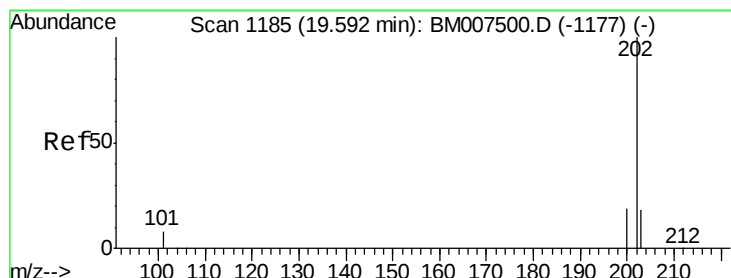
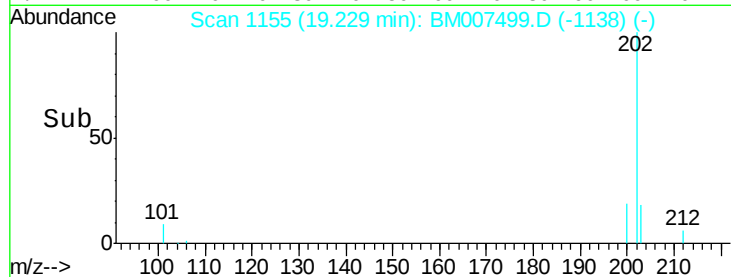
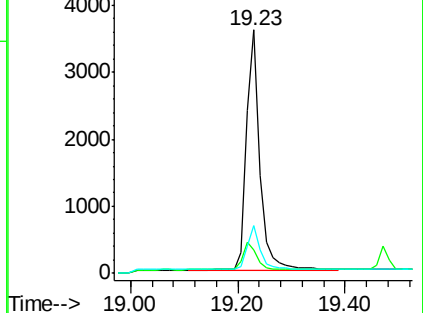
203 19.6 0.0 39.0



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: 0.21 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

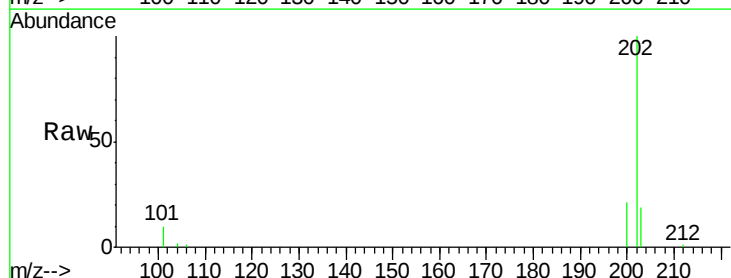
Tgt Ion:202 Resp: 6699

Ion Ratio Lower Upper

202 100

200 20.5 15.9 23.9

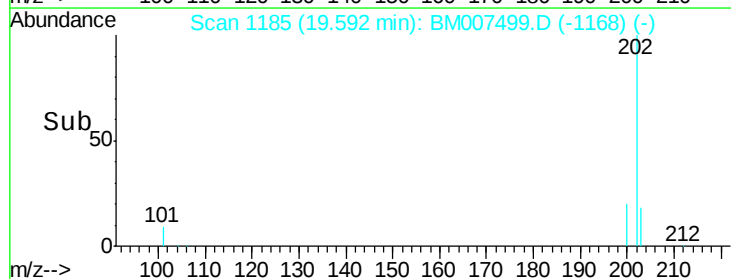
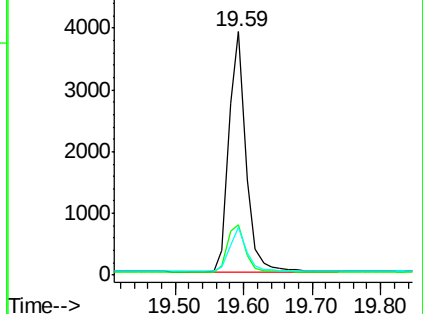
203 19.4 15.0 22.4

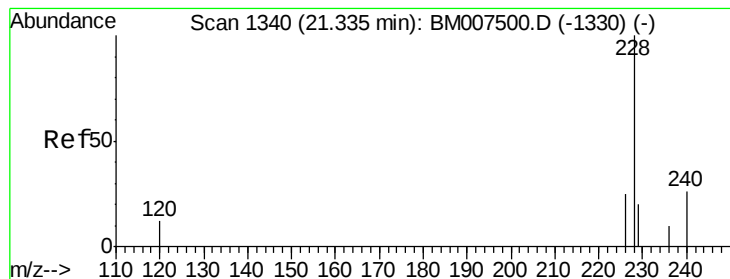


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.19 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

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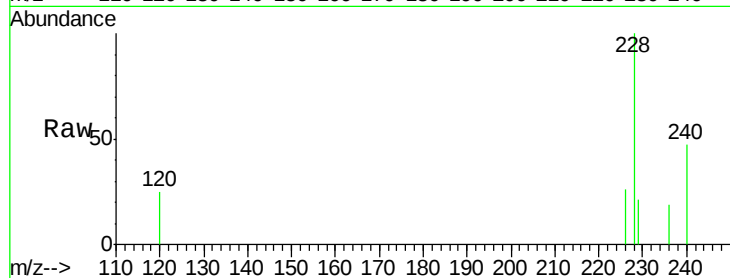
Tgt Ion:228 Resp: 5766

Ion Ratio Lower Upper

228 100

226 26.3 20.2 30.4

229 21.3 16.7 25.1

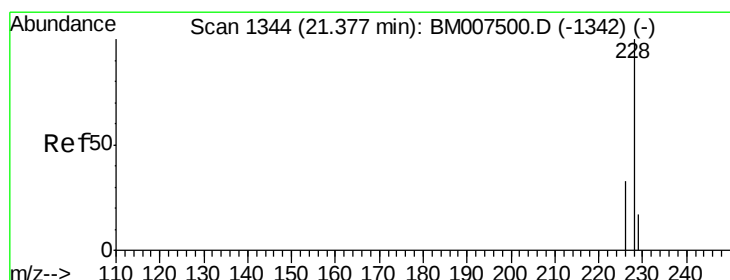
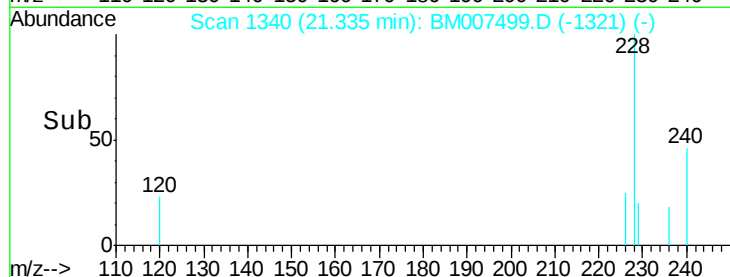
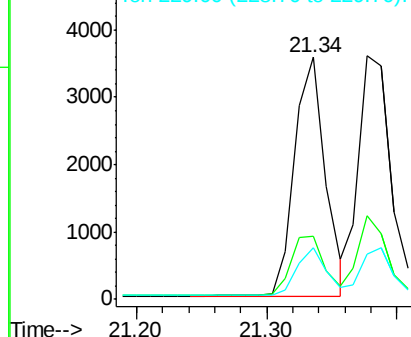


Abundance

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: 0.21 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

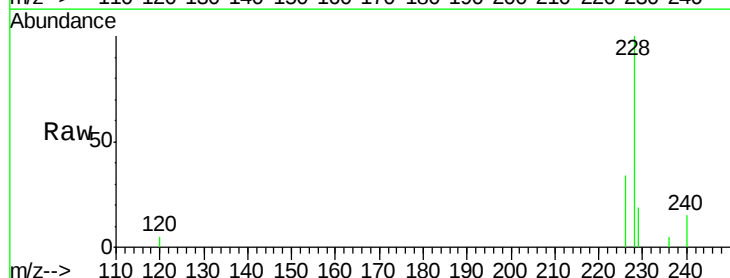
Tgt Ion:228 Resp: 6341

Ion Ratio Lower Upper

228 100

226 34.2 25.9 38.9

229 18.8 14.7 22.1

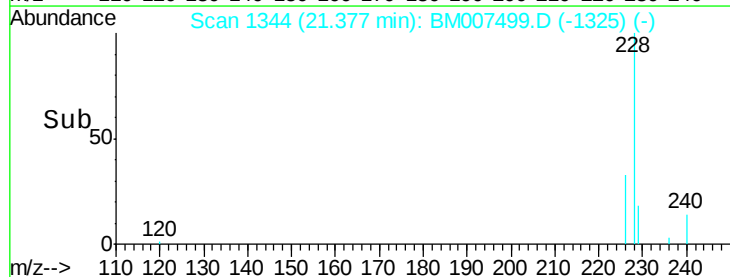
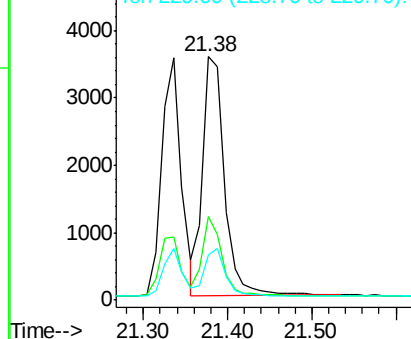


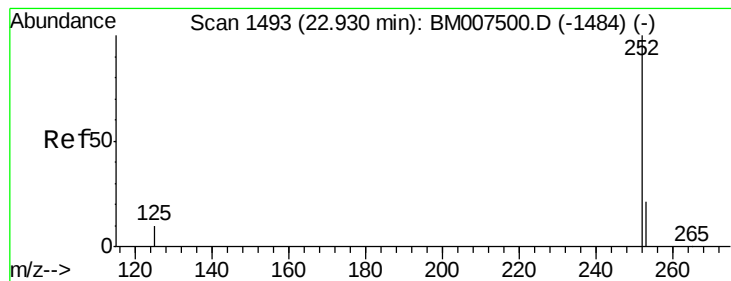
Abundance

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: 0.18 ng/u1

RT: 22.93 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

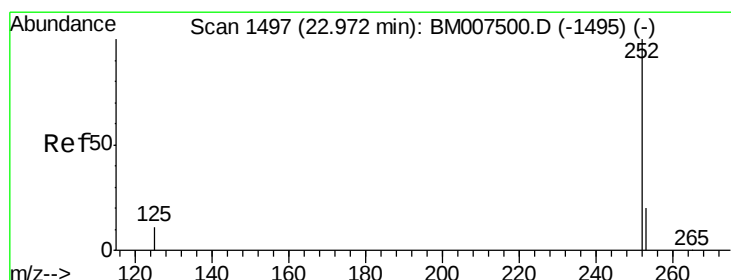
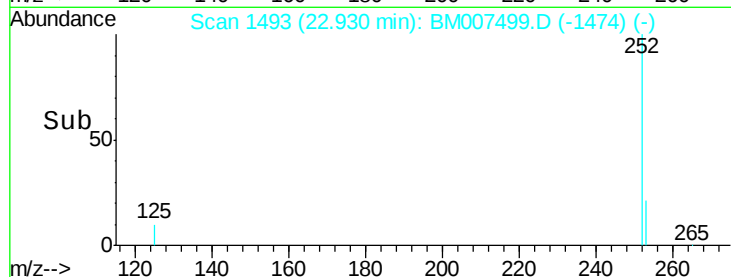
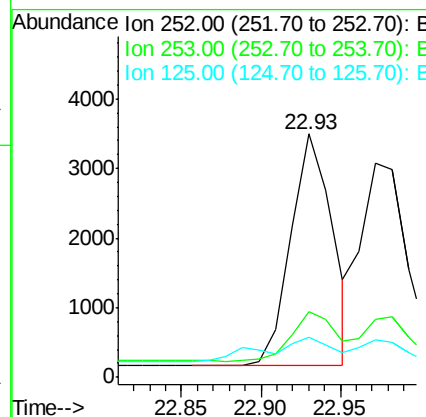
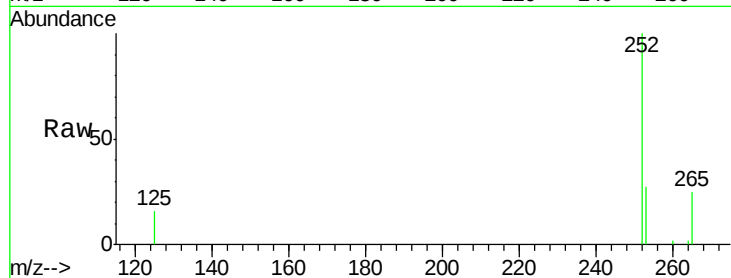
BNA_M

ClientSampleId :

SSTD0.235

Tgt Ion:252 Resp: 6053

Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	49.2
125	16.4	0.0	27.2



#22

Benzo(k)fluoranthene

Concen: 0.21 ng/u1

RT: 22.93 min Scan# 1493

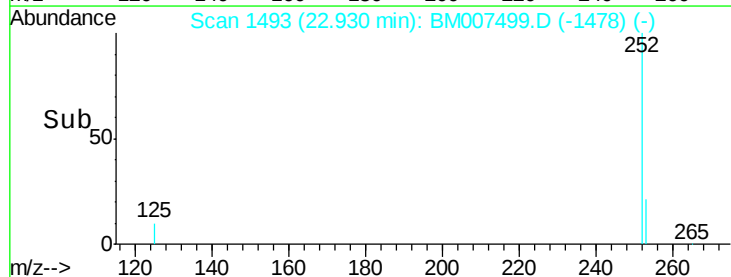
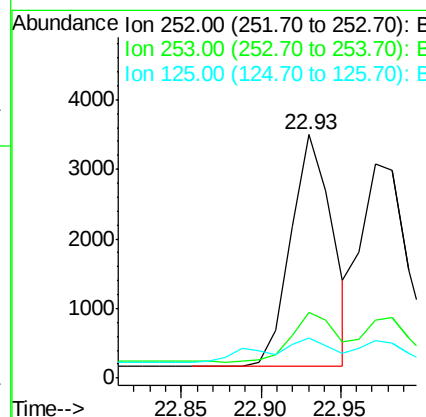
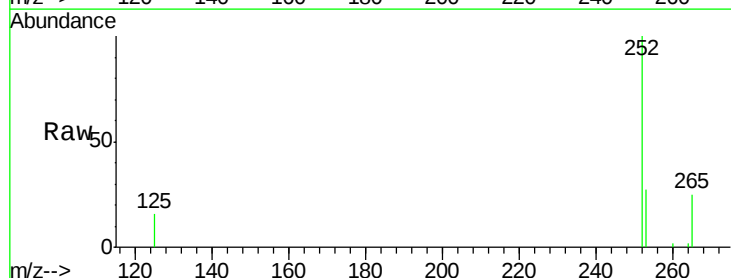
Delta R.T. -0.04 min

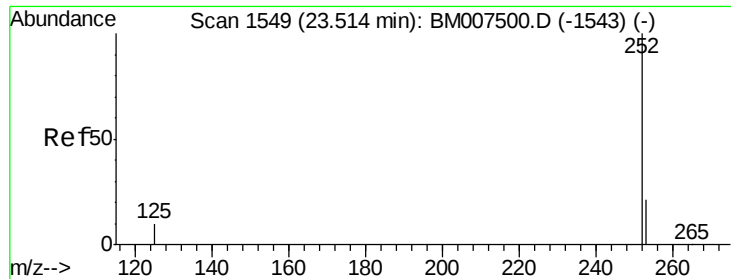
Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Tgt Ion:252 Resp: 6053

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.7	29.5
125	16.4	11.5	17.3





#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

Instrument :

BNA_M

ClientSampleId :

SSTD0.235

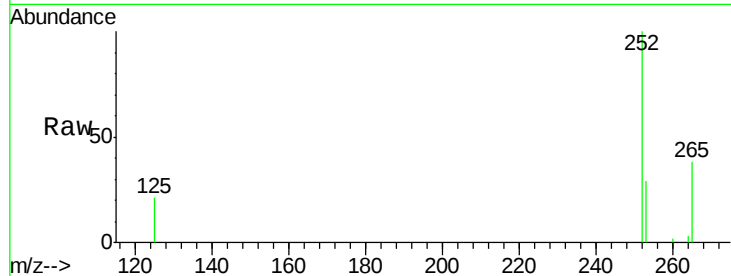
Tgt Ion:252 Resp: 5659

Ion Ratio Lower Upper

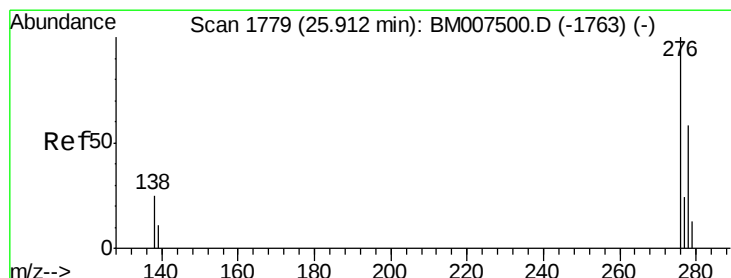
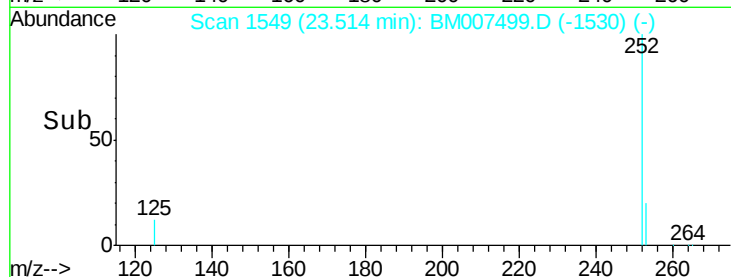
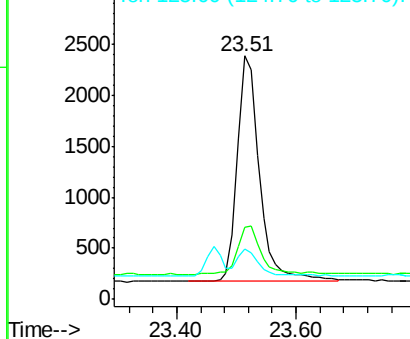
252 100

253 29.4 20.6 31.0

125 20.9 13.4 20.2#



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: 0.16 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007499.D

Acq: 21 Sep 2016 19:35

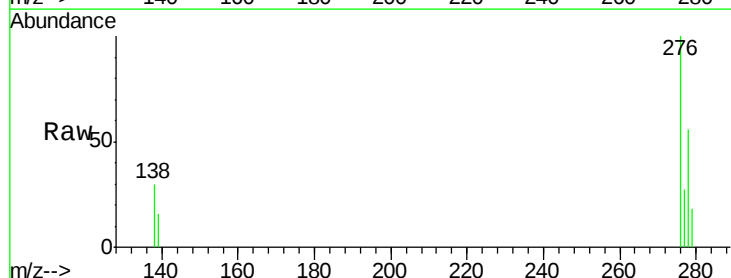
Tgt Ion:276 Resp: 5713

Ion Ratio Lower Upper

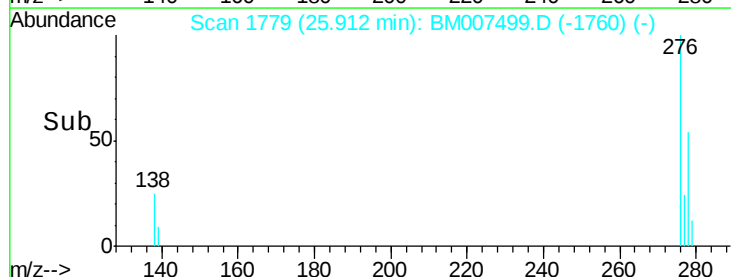
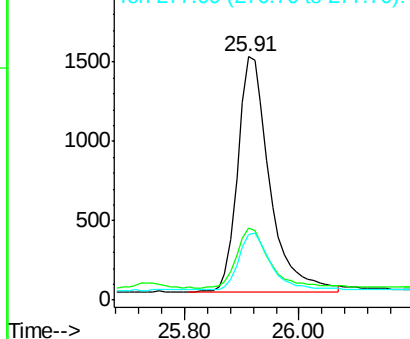
276 100

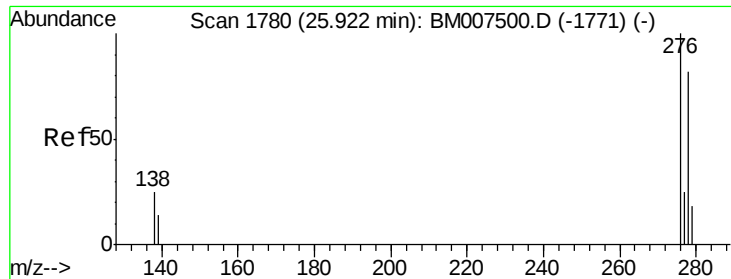
138 25.6 20.8 31.2

277 24.4 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



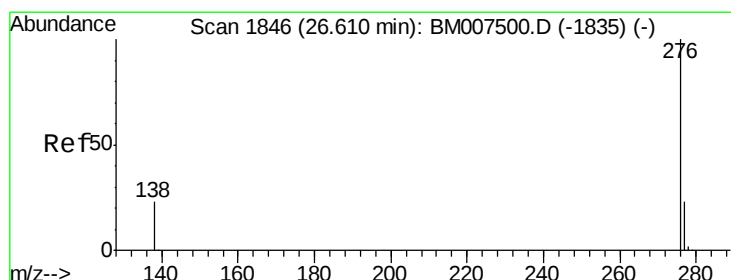
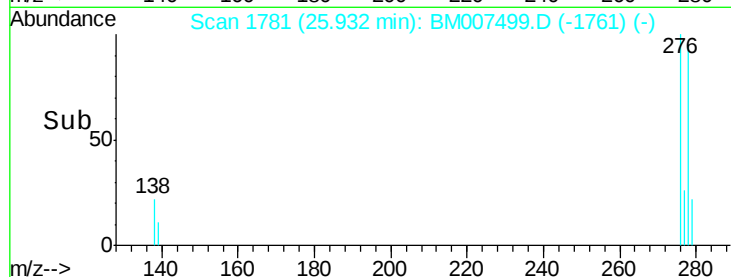
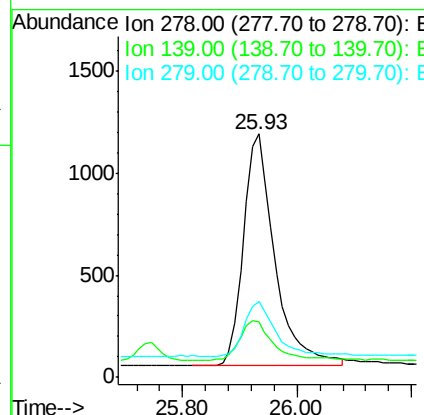
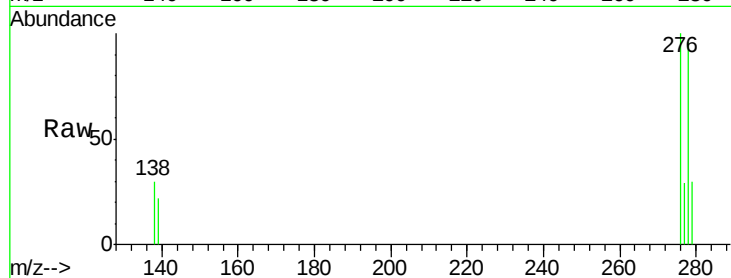


#25
Dibenzo(a,h)anthracene
Concen: 0.16 ng/ul
RT: 25.93 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BM007499.D
Acq: 21 Sep 2016 19:35

Instrument :
BNA_M
ClientSampleId :
SSTD0.235

Tgt Ion: 278 Resp: 4329

Ion	Ratio	Lower	Upper
278	100		
139	22.8	16.9	25.3
279	30.9	21.3	31.9



#26
Benzo(g,h,i)perylene
Concen: 0.17 ng/ul
RT: 26.62 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BM007499.D
Acq: 21 Sep 2016 19:35

Tgt Ion: 276 Resp: 5181

Ion	Ratio	Lower	Upper
276	100		
277	27.0	20.5	30.7
138	26.2	20.3	30.5

