

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007304.D
 Acq On : 26 Aug 2016 22:05
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.435

Quant Time: Aug 26 23:48:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 23:46:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1022	0.40	ng/ul	0.00
2) Naphthalene-d8	10.58	136	4027	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.43	164	2463	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	6850	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	7794	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	7719	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	2160	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	6890	0.45	ng/ul	0.00

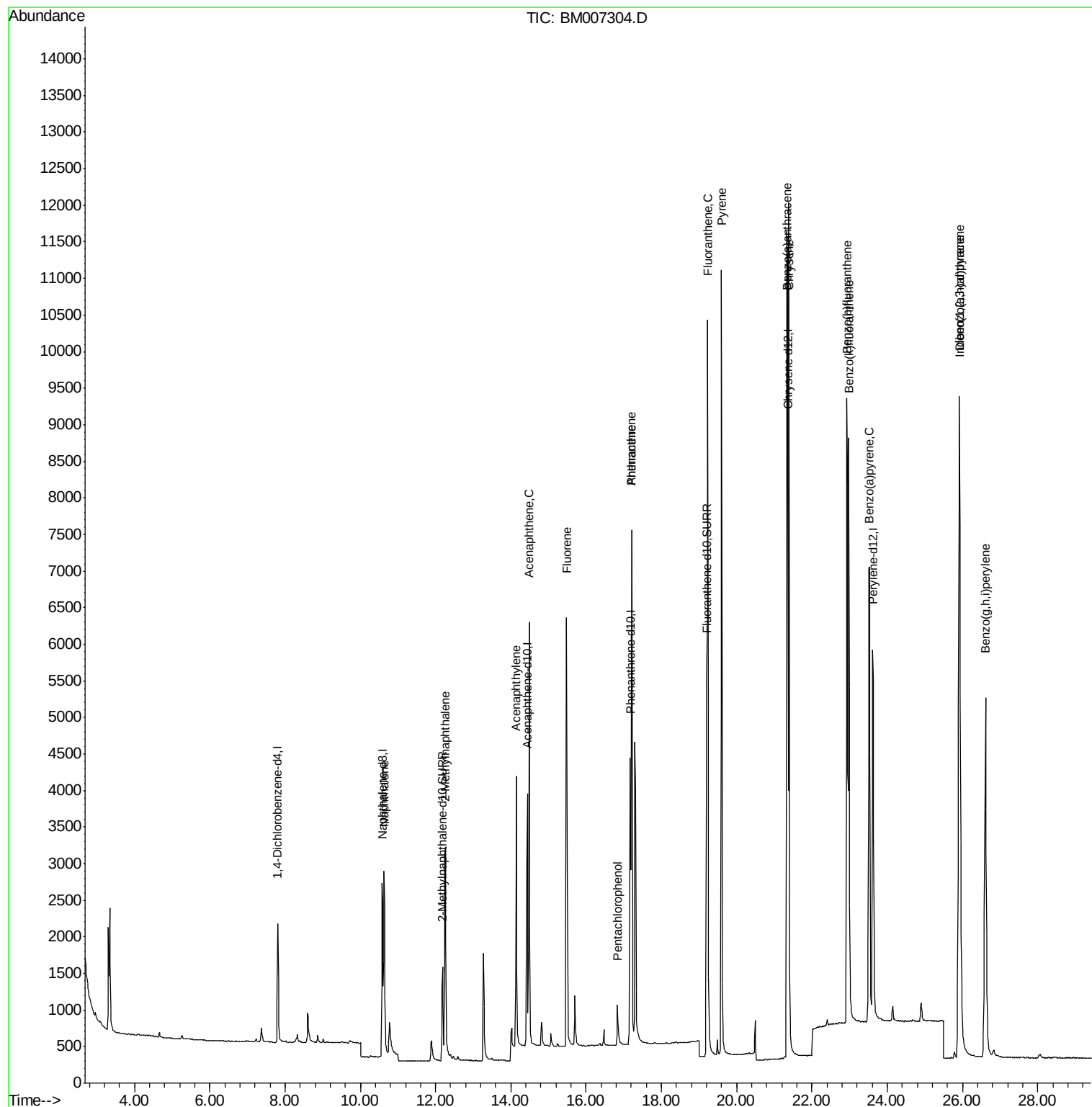
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	4129	0.41	ng/ul#	94
5) 2-Methylnaphthalene	12.26	142	2936	0.43	ng/ul	98
7) Acenaphthylene	14.14	152	4697	0.35	ng/ul	96
8) Acenaphthene	14.49	153	3586	0.42	ng/ul#	86
9) Fluorene	15.48	166	4366	0.45	ng/ul	85
11) Pentachlorophenol	16.83	266	560	0.33	ng/ul	96
12) Phenanthrene	17.21	178	8057	0.41	ng/ul	95
13) Anthracene	17.21	178	8047	0.43	ng/ul	98
15) Fluoranthene	19.23	202	10293	0.46	ng/ul	97
17) Pyrene	19.59	202	10833	0.42	ng/ul	98
18) Benzo(a)anthracene	21.34	228	9368	0.38	ng/ul	94
19) Chrysene	21.39	228	11031	0.47	ng/ul	96
21) Benzo(b)fluoranthene	22.93	252	12923	0.45	ng/ul	98
22) Benzo(k)fluoranthene	22.98	252	10576	0.45	ng/ul	98
23) Benzo(a)pyrene	23.51	252	11196	0.46	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.91	276	13057	0.43	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.92	278	10276	0.43	ng/ul	98
26) Benzo(g,h,i)perylene	26.61	276	11278	0.43	ng/ul	95

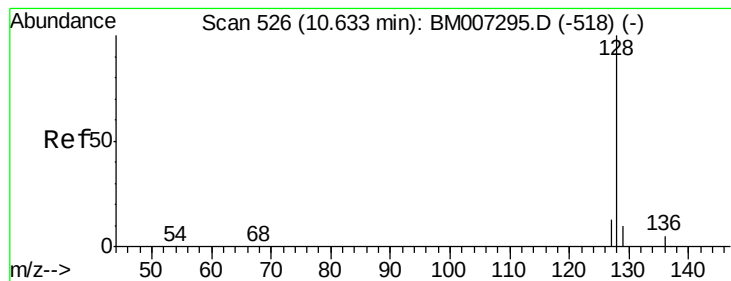
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

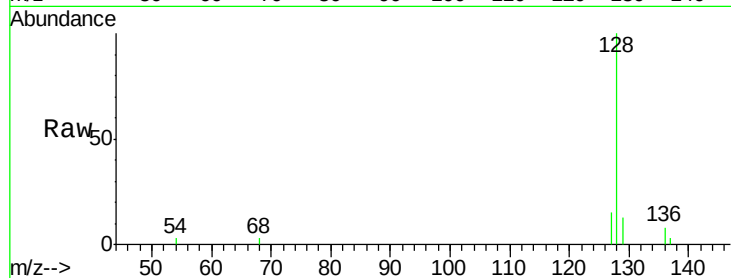
Tgt Ion:128 Resp: 4129

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

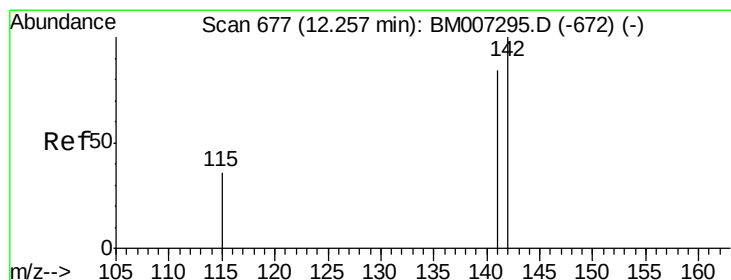
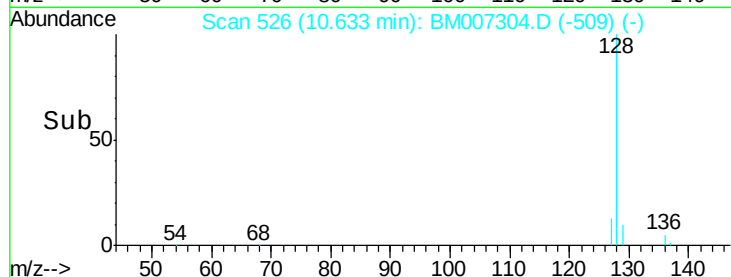
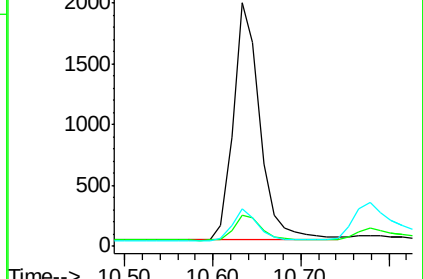
127 15.3 9.6 14.4#



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: 0.43 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM007304.D

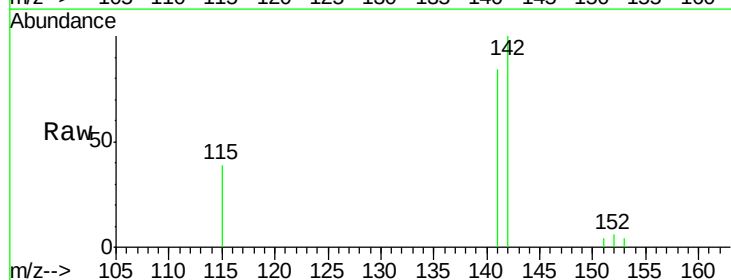
Acq: 26 Aug 2016 22:05

Tgt Ion:142 Resp: 2936

Ion Ratio Lower Upper

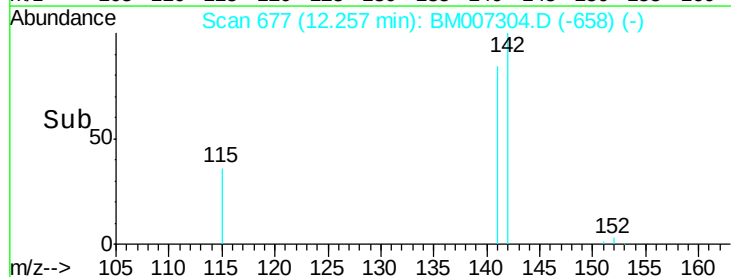
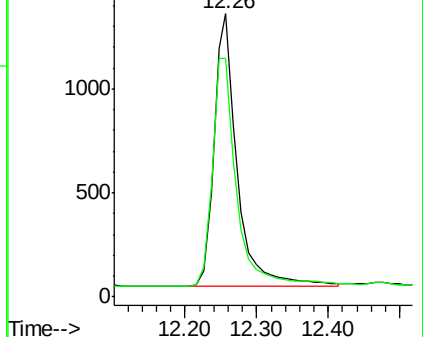
142 100

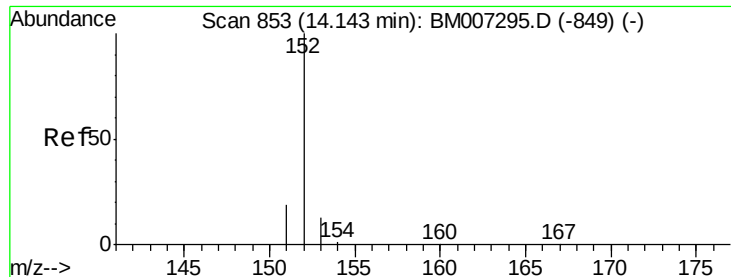
141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.35 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

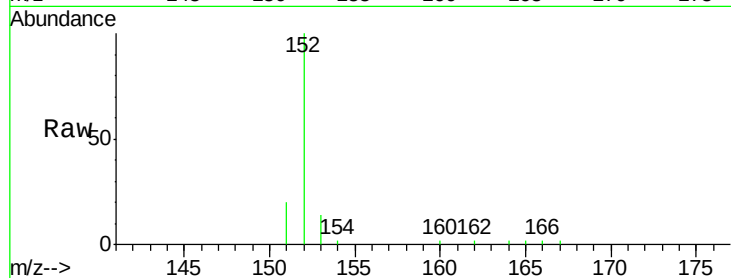
Tgt Ion:152 Resp: 4697

Ion Ratio Lower Upper

152 100

151 20.4 17.6 26.4

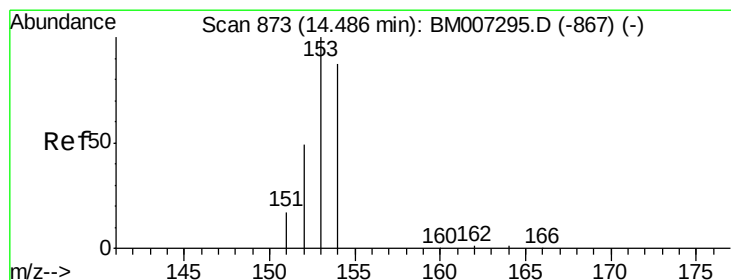
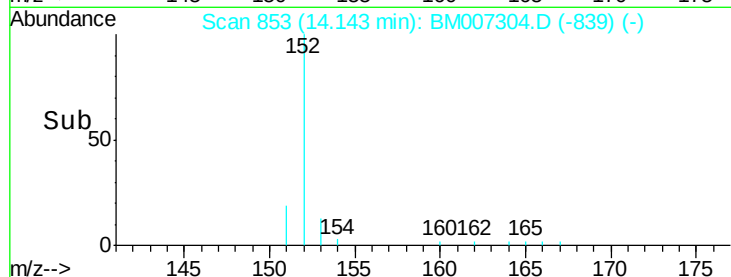
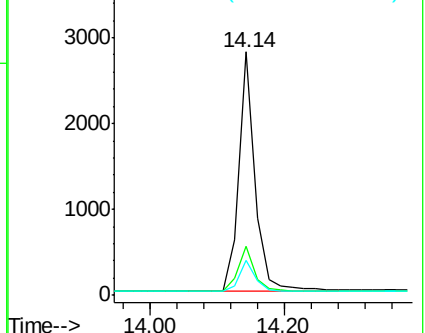
153 14.4 9.7 14.5



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: 0.42 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

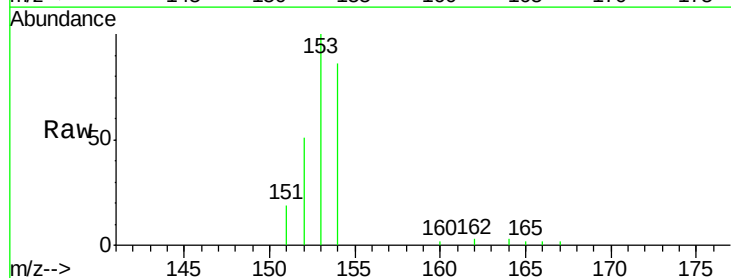
Tgt Ion:153 Resp: 3586

Ion Ratio Lower Upper

153 100

152 50.9 33.9 50.9#

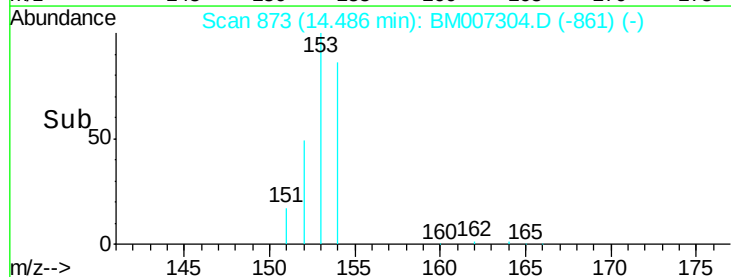
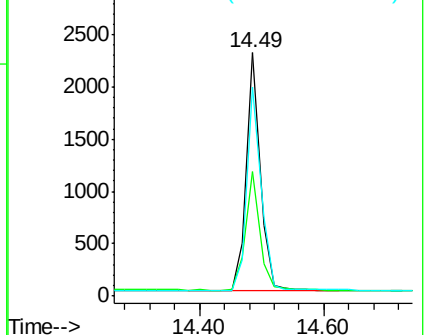
154 86.0 80.6 121.0

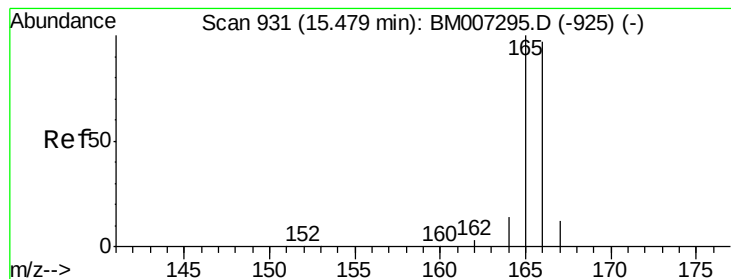


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.45 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

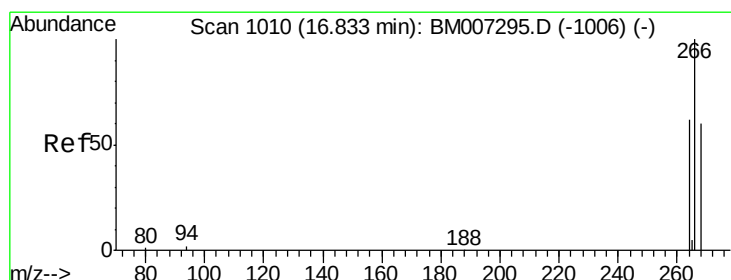
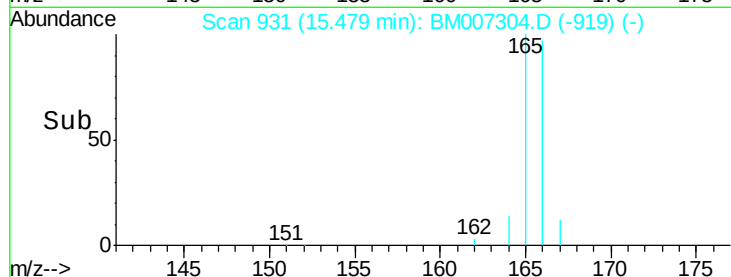
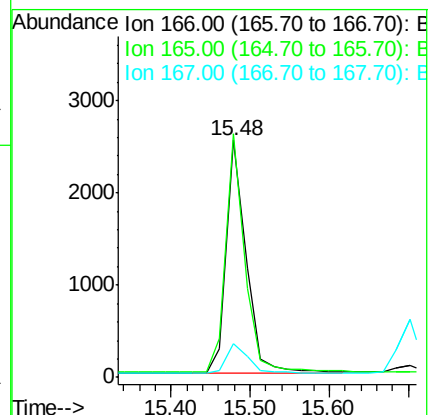
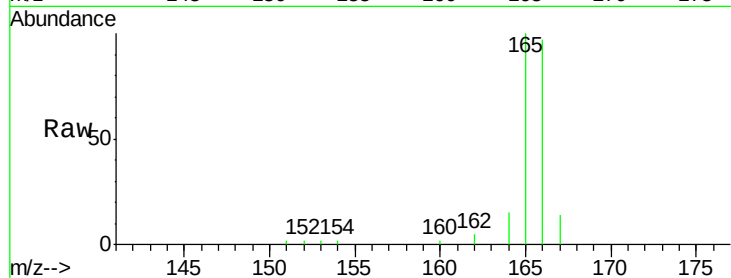
Tgt Ion:166 Resp: 4366

Ion Ratio Lower Upper

166 100

165 102.8 69.6 104.4

167 14.4 11.9 17.9



#11

Pentachlorophenol

Concen: 0.33 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

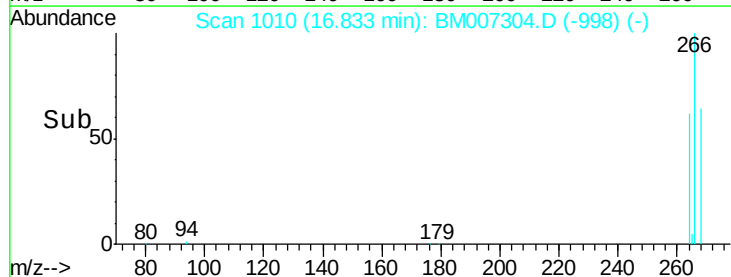
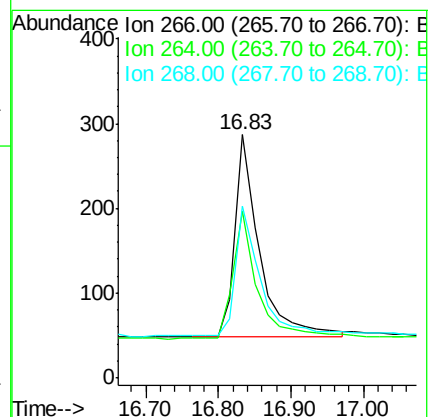
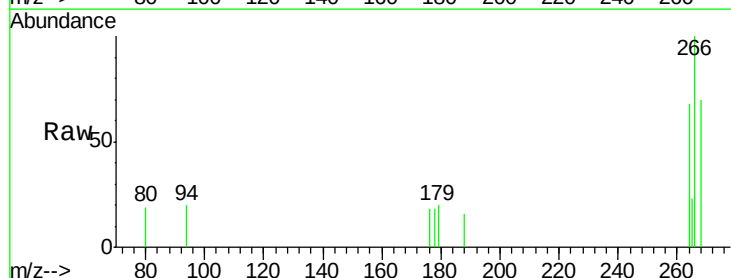
Tgt Ion:266 Resp: 560

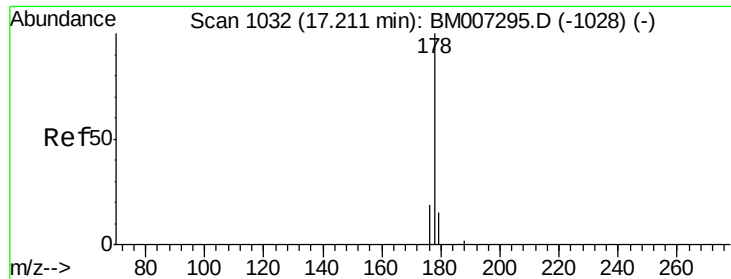
Ion Ratio Lower Upper

266 100

264 63.4 51.8 77.8

268 63.2 46.8 70.2





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

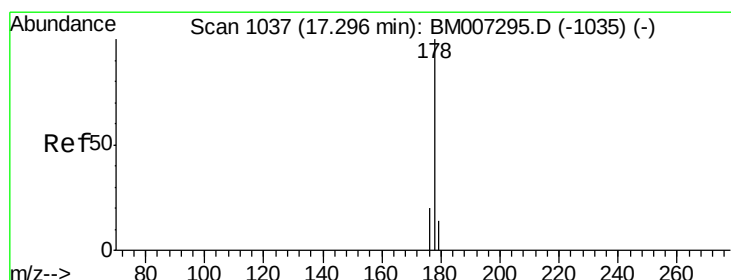
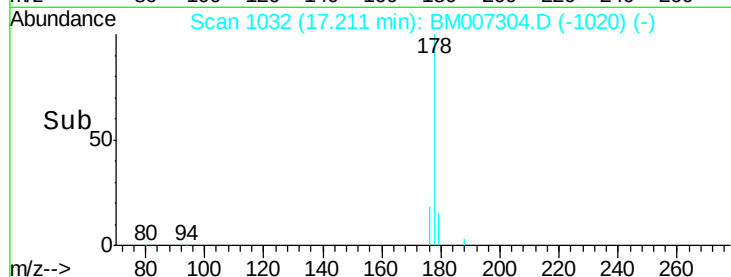
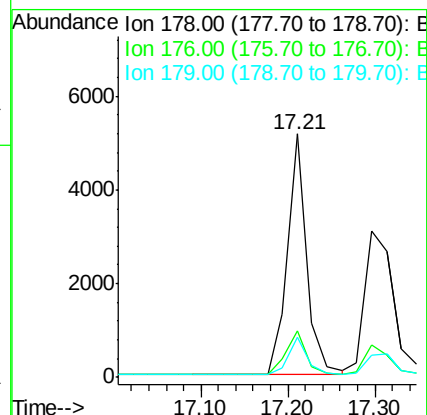
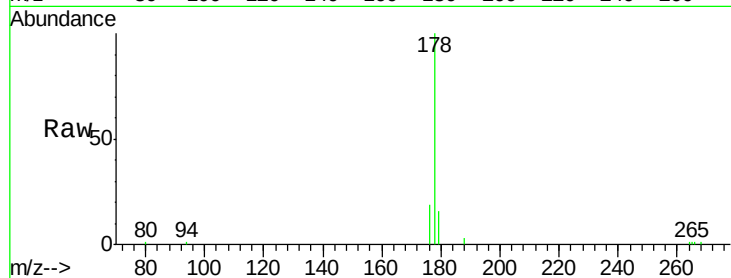
Tgt Ion:178 Resp: 8057

Ion Ratio Lower Upper

178 100

176 19.3 13.0 19.4

179 16.3 14.2 21.2



#13

Anthracene

Concen: 0.43 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.09 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

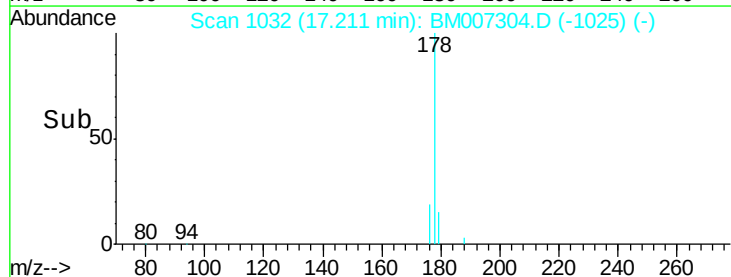
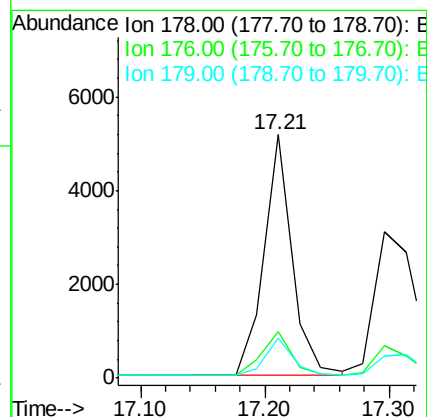
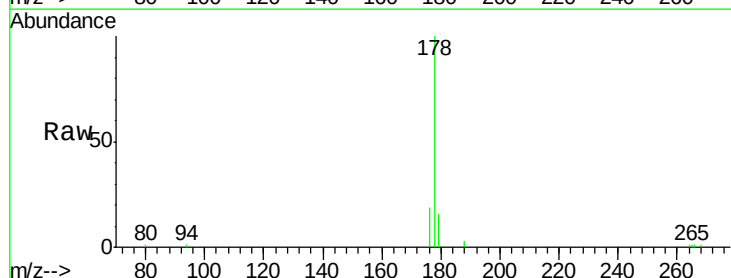
Tgt Ion:178 Resp: 8047

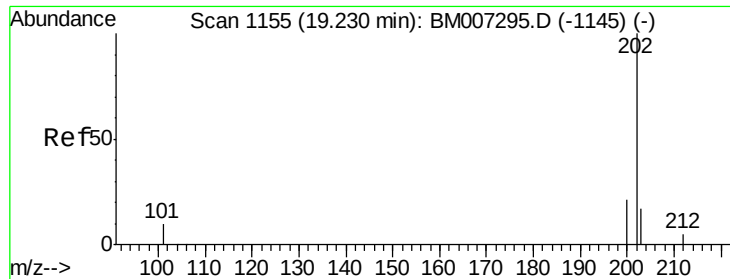
Ion Ratio Lower Upper

178 100

176 19.3 14.0 21.0

179 16.3 12.9 19.3





#15

Fluoranthene

Concen: 0.46 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

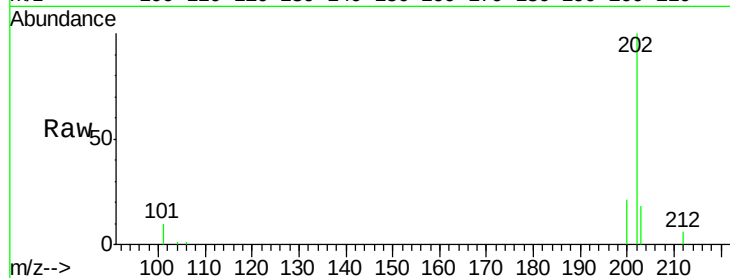
Tgt Ion:202 Resp: 10293

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.6

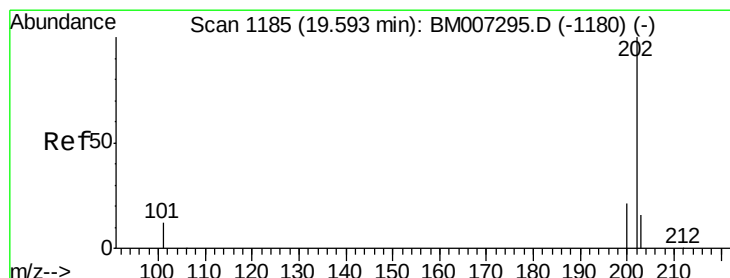
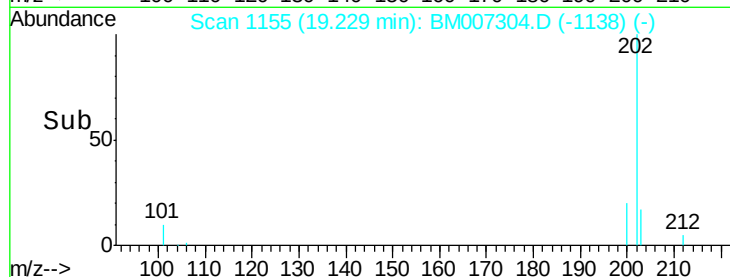
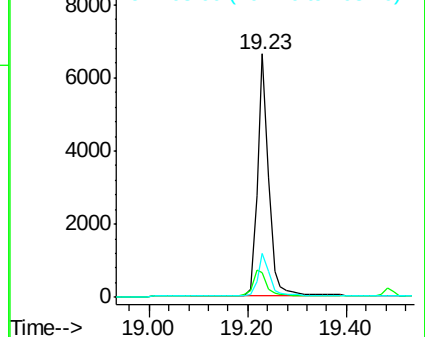
203 17.8 0.0 36.3



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: 0.42 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

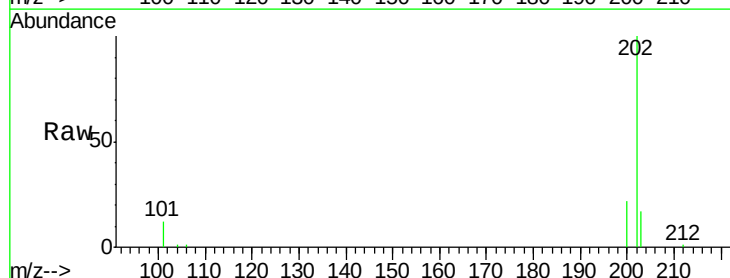
Tgt Ion:202 Resp: 10833

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.8

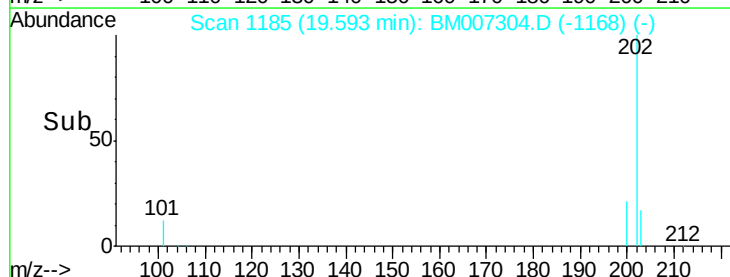
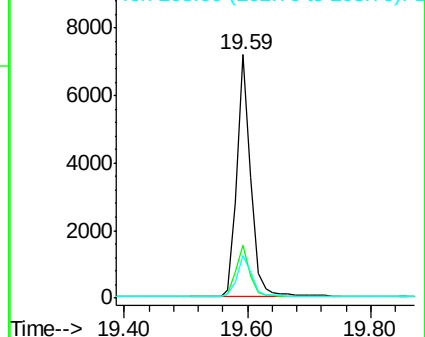
203 17.3 12.8 19.2

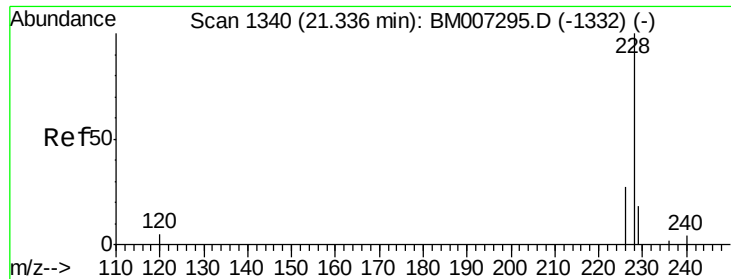


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

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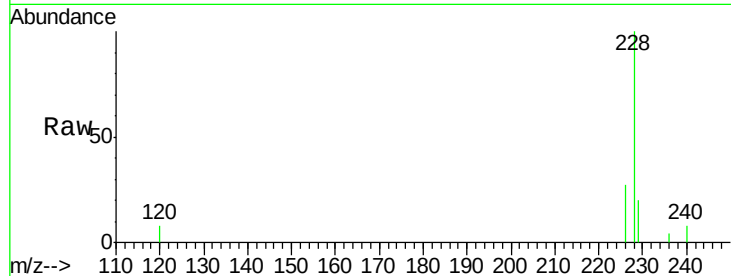
Tgt Ion:228 Resp: 9368

Ion Ratio Lower Upper

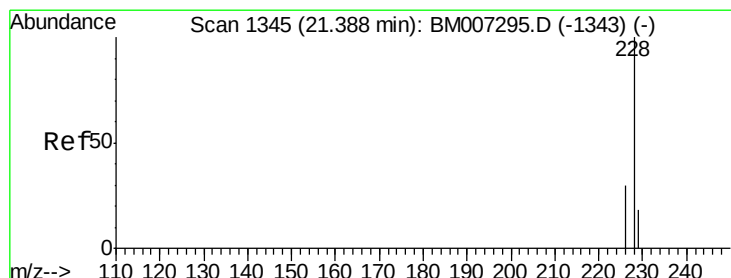
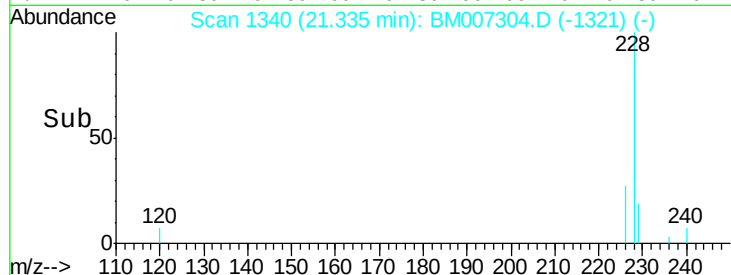
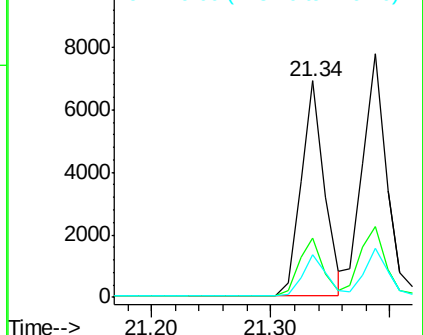
228 100

226 27.3 18.8 28.2

229 20.0 17.1 25.7



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: 0.47 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

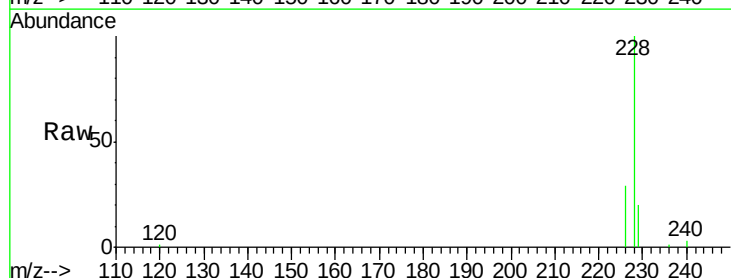
Tgt Ion:228 Resp: 11031

Ion Ratio Lower Upper

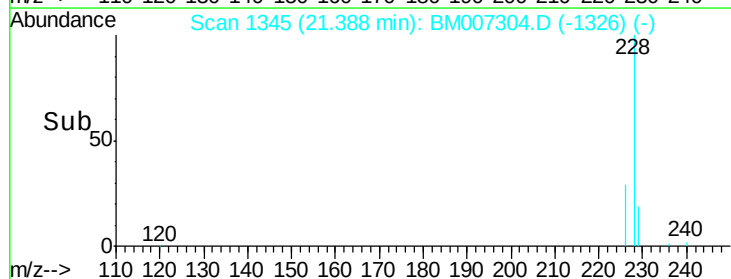
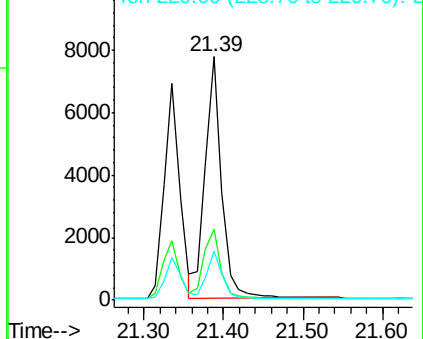
228 100

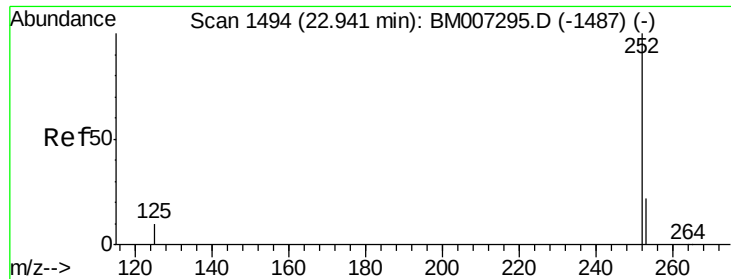
226 29.1 21.2 31.8

229 20.0 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





#21

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

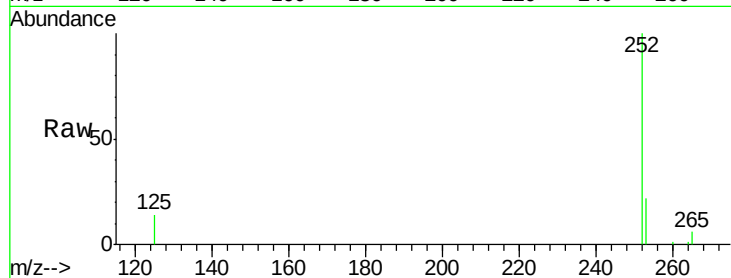
Tgt Ion:252 Resp: 12923

Ion Ratio Lower Upper

252 100

253 22.0 0.0 45.4

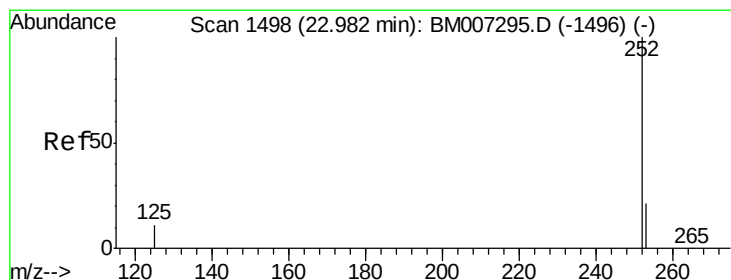
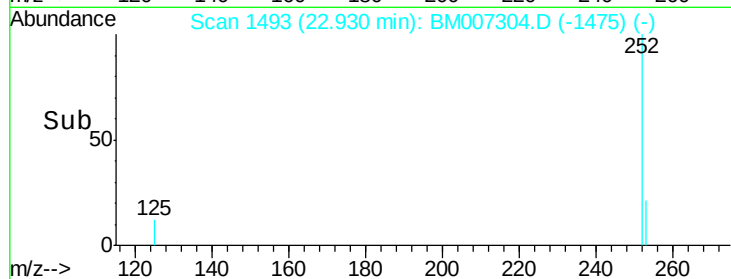
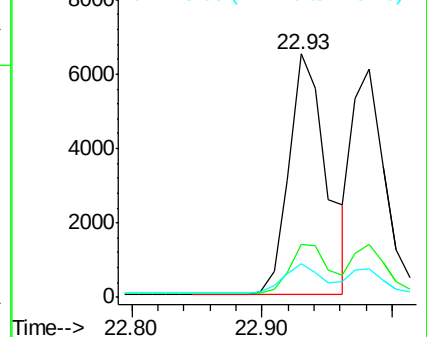
125 13.6 0.0 28.8



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: 0.45 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

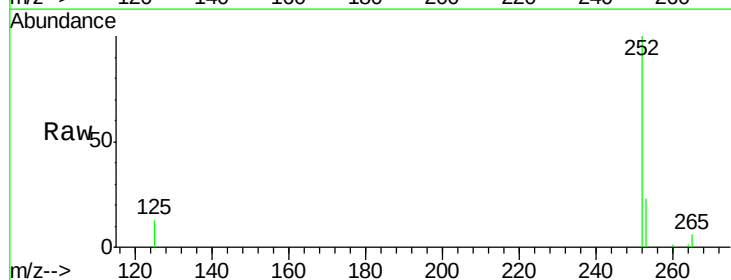
Tgt Ion:252 Resp: 10576

Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

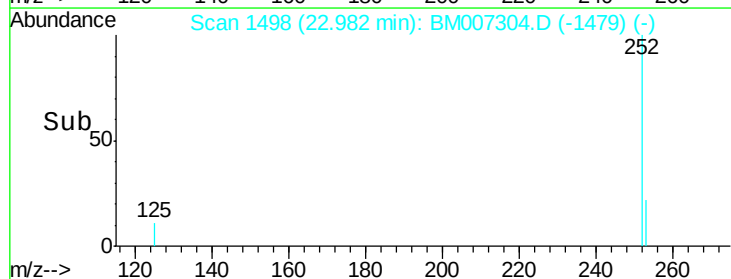
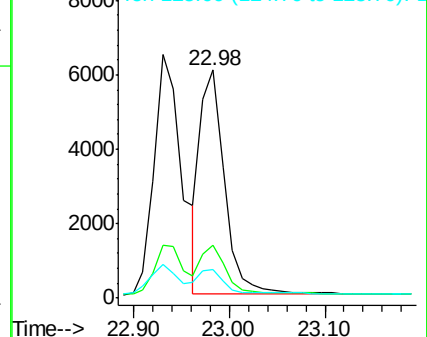
125 12.5 10.4 15.6

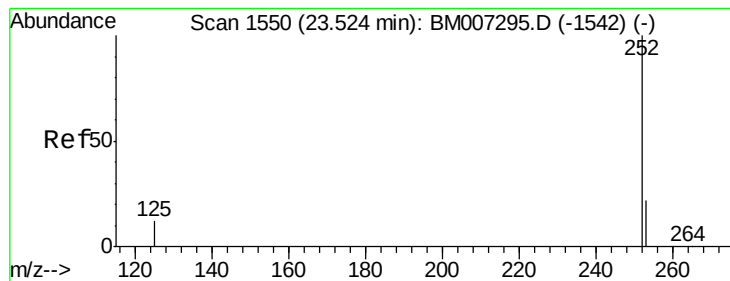


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.46 ng/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

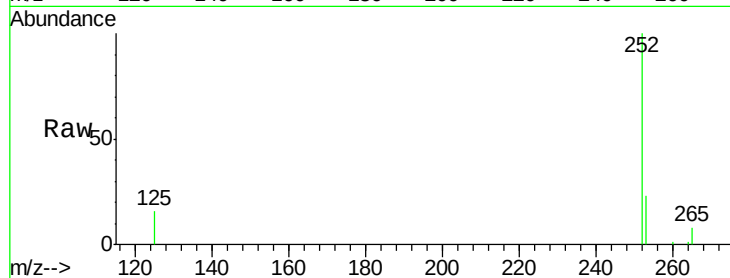
Tgt Ion: 252 Resp: 11196

Ion Ratio Lower Upper

252 100

253 22.6 19.4 29.2

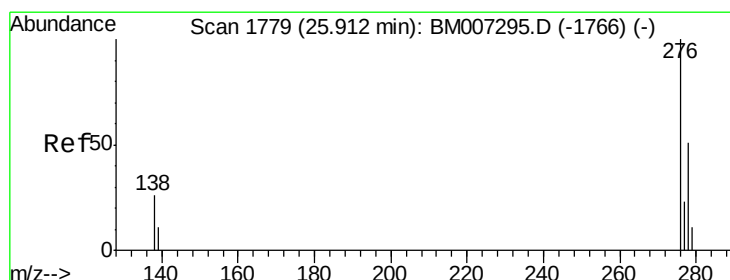
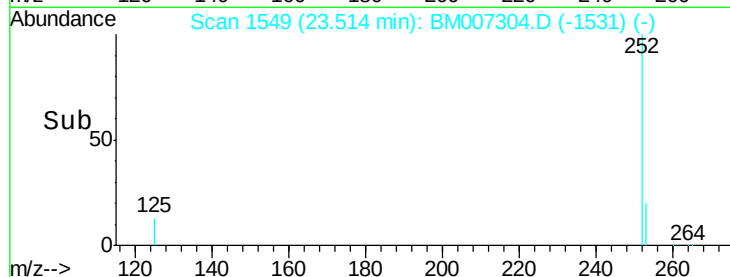
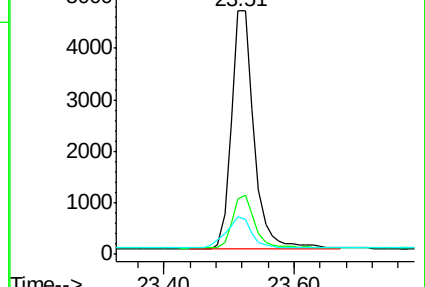
125 15.6 12.7 19.1



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: 0.43 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007304.D

Acq: 26 Aug 2016 22:05

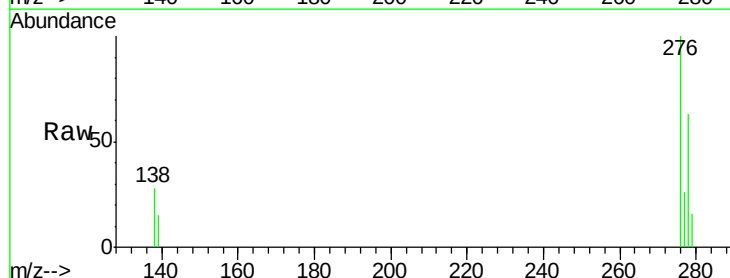
Tgt Ion: 276 Resp: 13057

Ion Ratio Lower Upper

276 100

138 26.8 16.3 24.5#

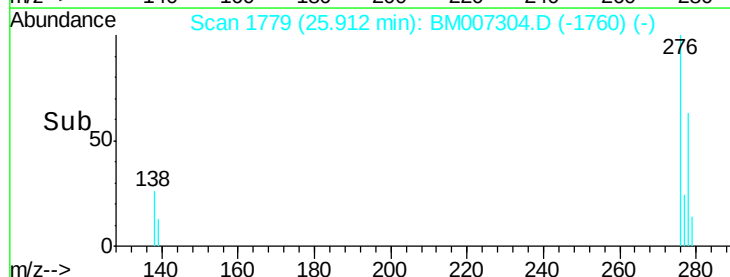
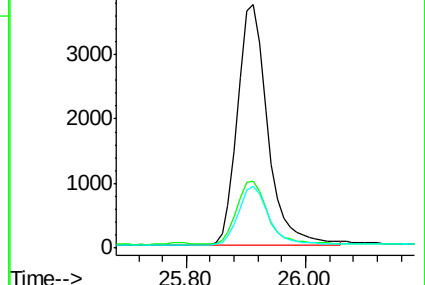
277 24.6 19.8 29.8

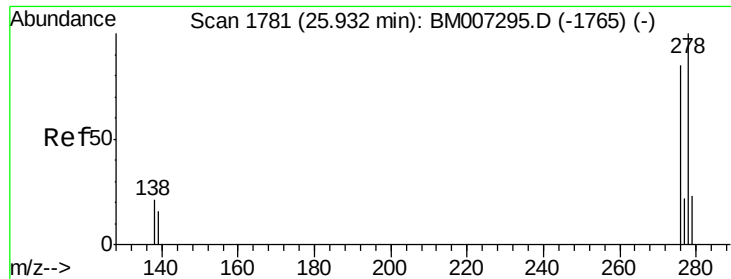


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

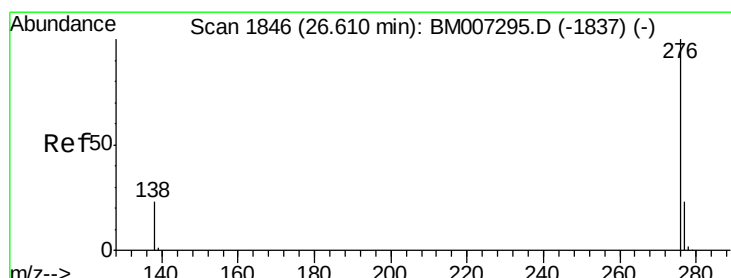
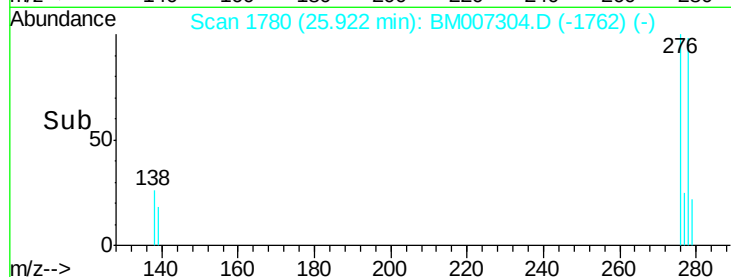
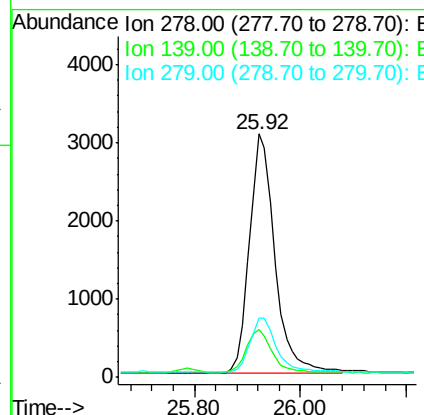
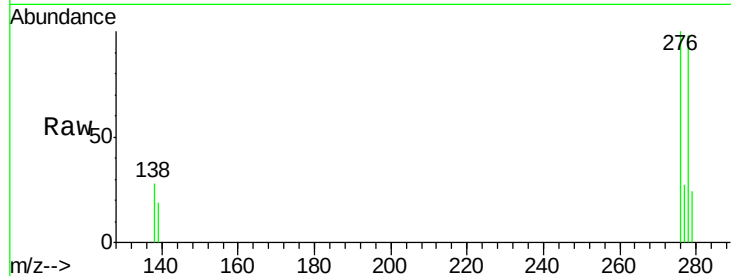




#25
Dibenzo(a,h)anthracene
Concen: 0.43 ng/ul
RT: 25.92 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BM007304.D
Acq: 26 Aug 2016 22:05

Instrument :
BNA_M
ClientSampleId :
SSTD0.435

Tgt Ion: 278 Resp: 10276
Ion Ratio Lower Upper
278 100
139 19.5 16.4 24.6
279 24.5 20.2 30.2



#26
Benzo(g,h,i)perylene
Concen: 0.43 ng/ul
RT: 26.61 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BM007304.D
Acq: 26 Aug 2016 22:05

Tgt Ion: 276 Resp: 11278
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 23.9 22.5 33.7

