

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082616\
 Data File : BM007295.D
 Acq On : 26 Aug 2016 15:28
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.434

Quant Time: Aug 26 19:29:25 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 01:54:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1017	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.58	136	4022	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.43	164	2465	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	6735	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	7819	0.40	ng/ul	-0.01
20) Perylene-d12	23.63	264	7867	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	2167	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	6859	0.45	ng/ul	0.00

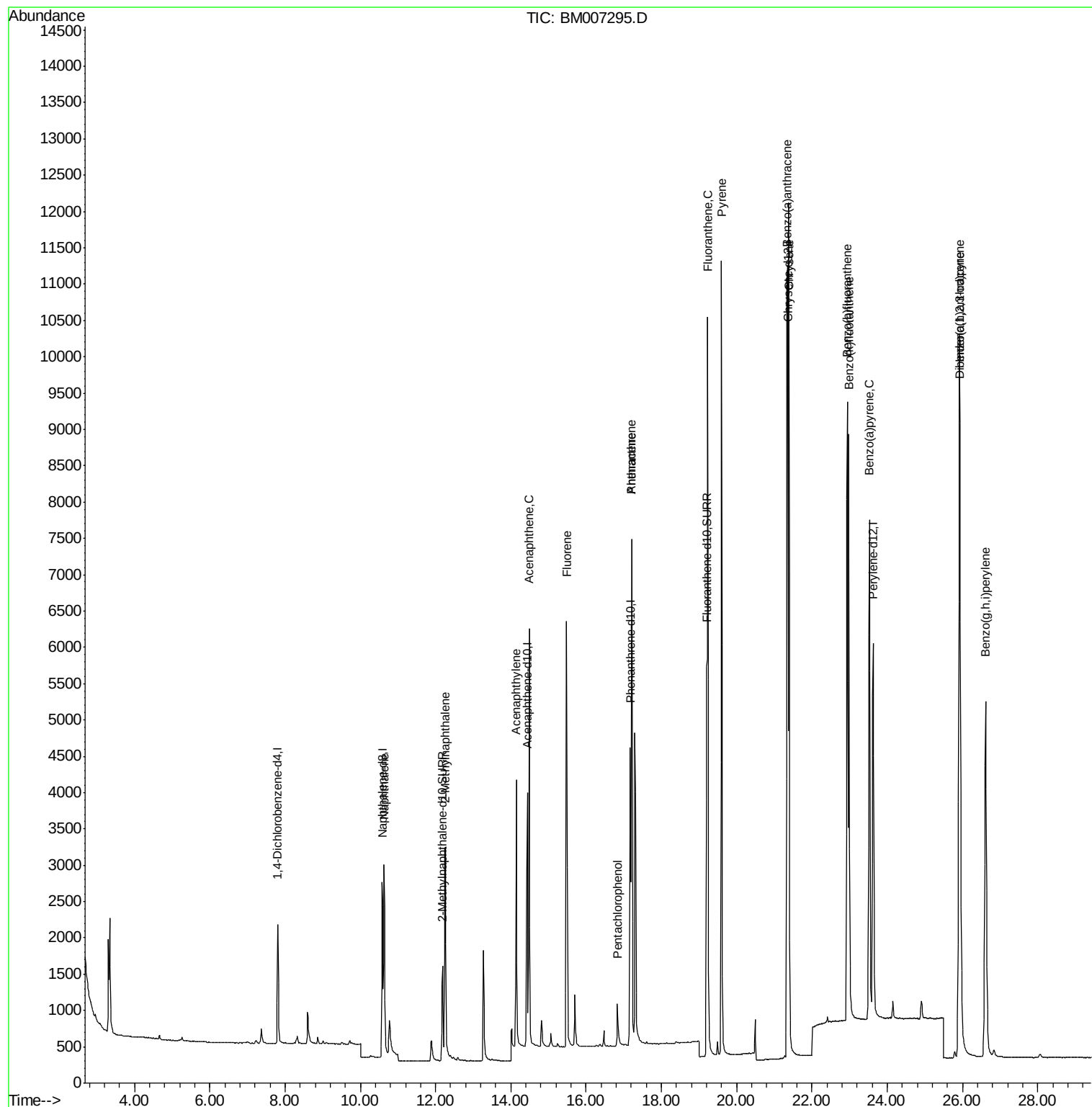
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.63	128	4154	0.41	ng/ul#	94
5) 2-Methylnaphthalene	12.26	142	2962	0.44	ng/ul	99
7) Acenaphthylene	14.14	152	4733	0.35	ng/ul	96
8) Acenaphthene	14.49	153	3553	0.41	ng/ul	86
9) Fluorene	15.48	166	4420	0.45	ng/ul	85
11) Pentachlorophenol	16.83	266	583	0.35	ng/ul	95
12) Phenanthrene	17.21	178	8001	0.42	ng/ul#	95
13) Anthracene	17.21	178	8001	0.44	ng/ul	97
15) Fluoranthene	19.23	202	10186	0.46	ng/ul	98
17) Pyrene	19.59	202	10865	0.42	ng/ul	98
18) Benzo(a)anthracene	21.34	228	9876	0.40	ng/ul	93
19) Chrysene	21.39	228	10690	0.45	ng/ul	93
21) Benzo(b)fluoranthene	22.94	252	12176	0.42	ng/ul	97
22) Benzo(k)fluoranthene	22.98	252	11089	0.46	ng/ul	97
23) Benzo(a)pyrene	23.52	252	11262	0.45	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.91	276	13366	0.43	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.93	278	10522	0.43	ng/ul	98
26) Benzo(g,h,i)perylene	26.61	276	11461	0.43	ng/ul	96

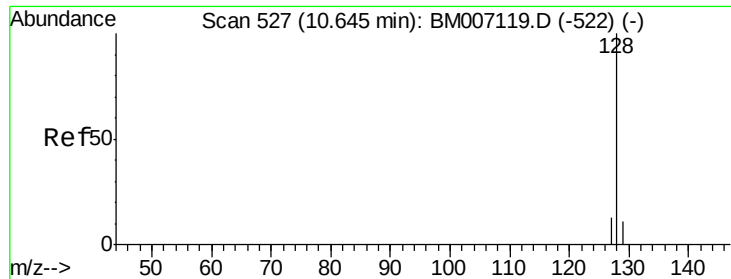
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082616\
Data File : BM007295.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Time: Aug 26 19:29:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. -0.01 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

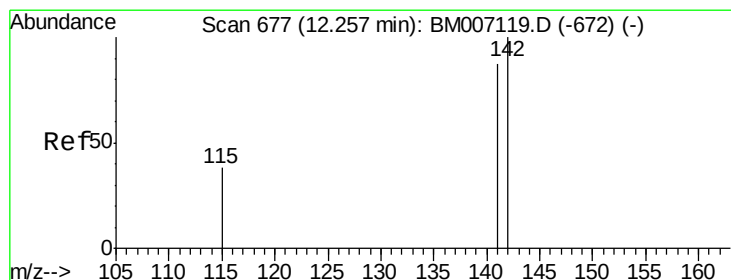
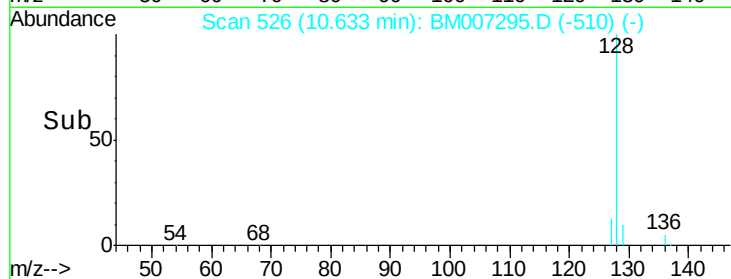
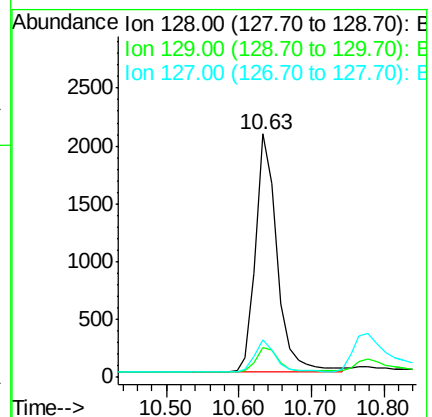
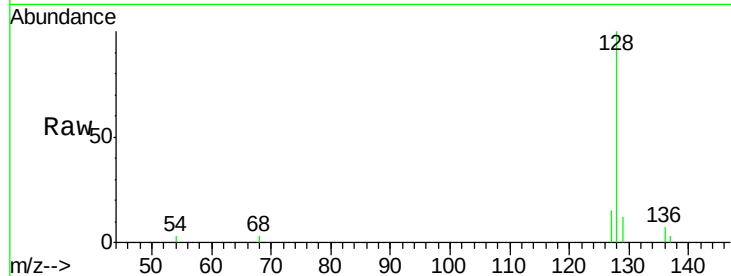
Tgt Ion:128 Resp: 4154

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

127 15.2 9.6 14.4#



#5

2-Methylnaphthalene

Concen: 0.44 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM007295.D

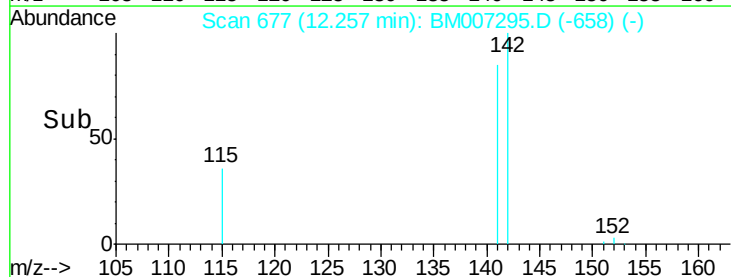
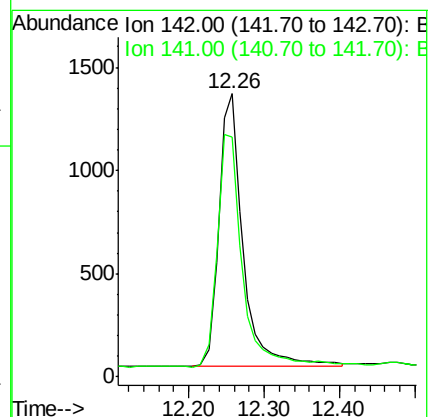
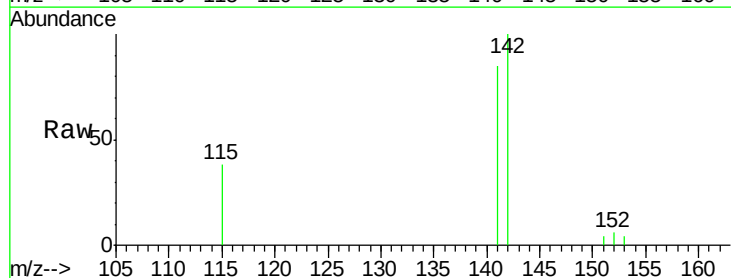
Acq: 26 Aug 2016 15:28

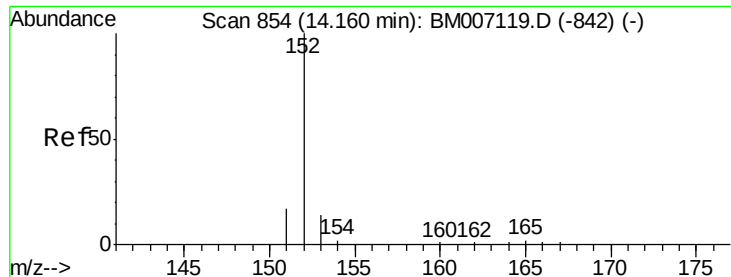
Tgt Ion:142 Resp: 2962

Ion Ratio Lower Upper

142 100

141 89.1 70.3 105.5





#7

Acenaphthylene

Concen: 0.35 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

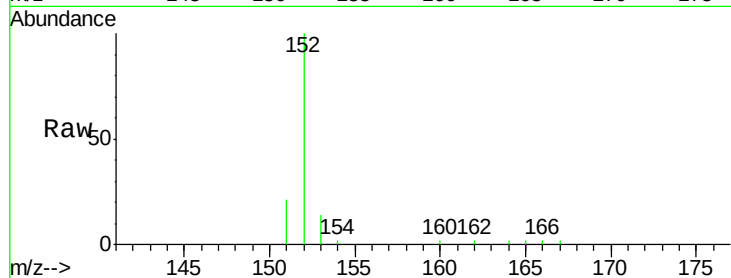
Tgt Ion:152 Resp: 4733

Ion Ratio Lower Upper

152 100

151 20.6 17.6 26.4

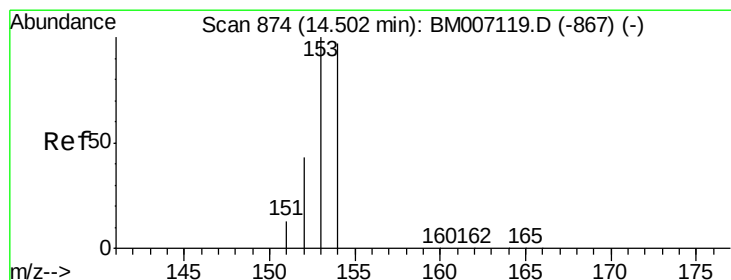
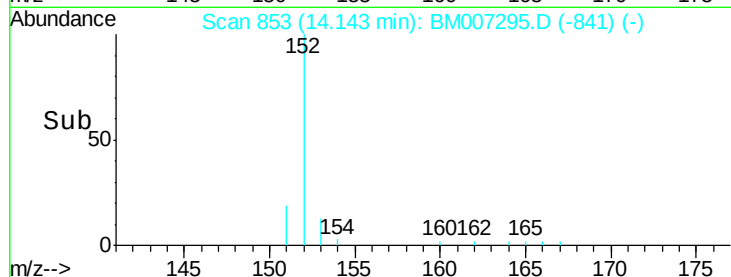
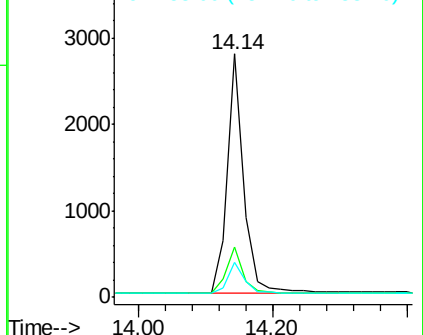
153 14.4 9.7 14.5



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: 0.41 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.02 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

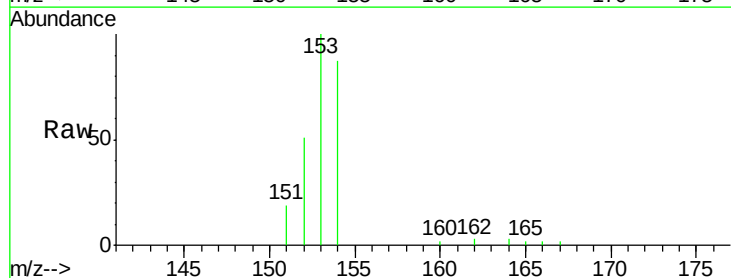
Tgt Ion:153 Resp: 3553

Ion Ratio Lower Upper

153 100

152 50.7 33.9 50.9

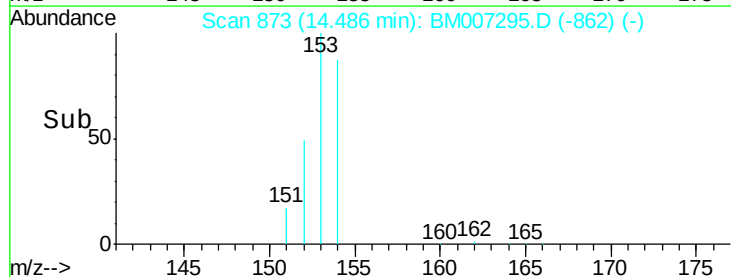
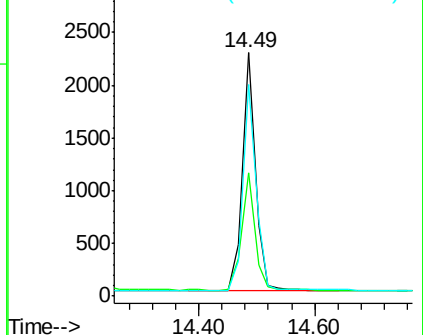
154 87.0 80.6 121.0

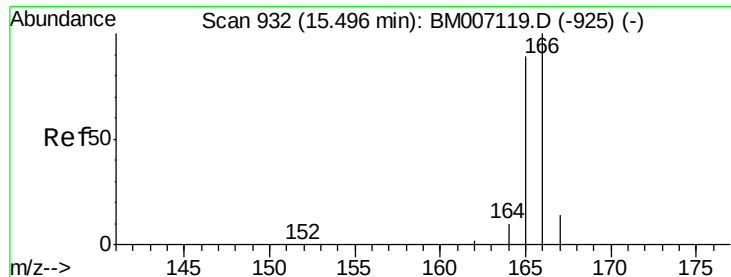


Abundance Ion 153.00 (152.70 to 153.70): E

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. -0.02 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

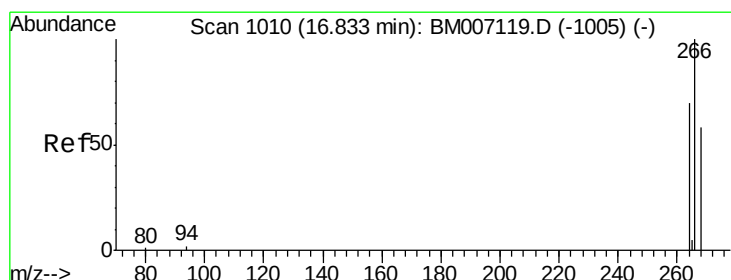
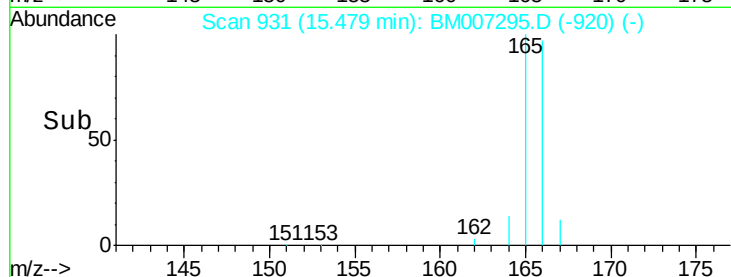
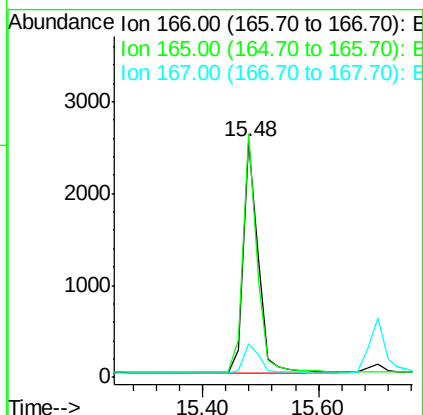
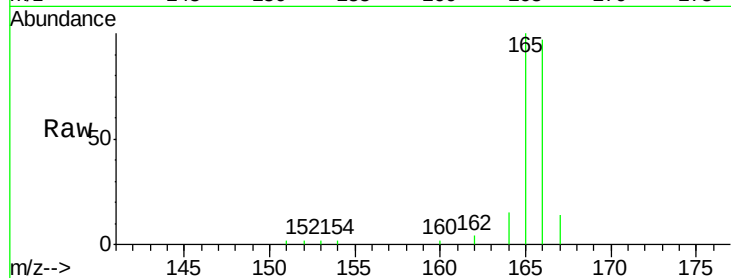
Tgt Ion:166 Resp: 4420

Ion Ratio Lower Upper

166 100

165 103.4 69.6 104.4

167 14.1 11.9 17.9



#11

Pentachlorophenol

Concen: 0.35 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

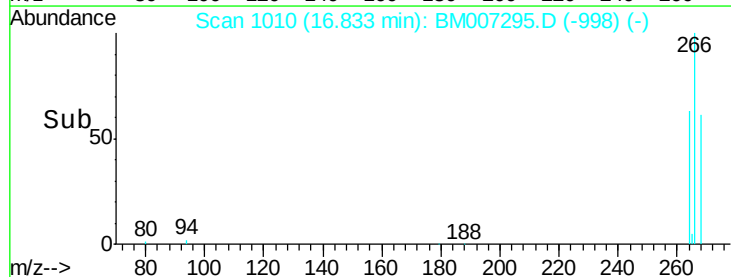
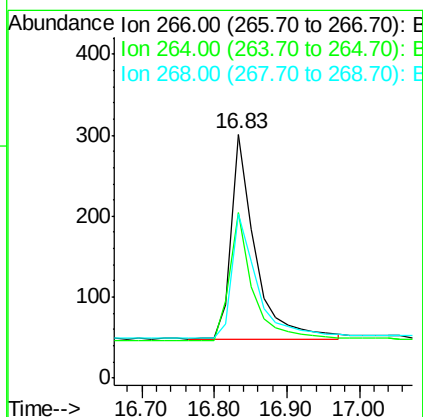
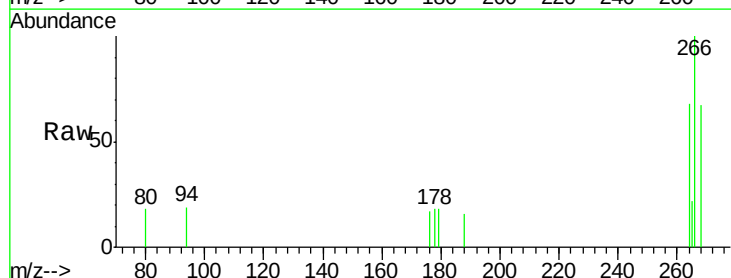
Tgt Ion:266 Resp: 583

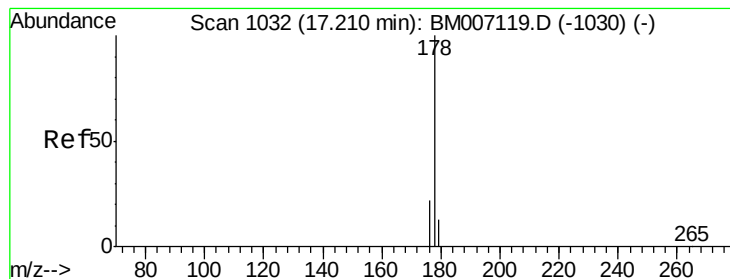
Ion Ratio Lower Upper

266 100

264 60.5 51.8 77.8

268 62.1 46.8 70.2





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

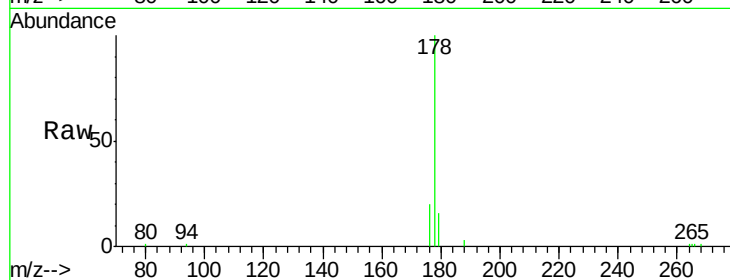
Tgt Ion:178 Resp: 8001

Ion Ratio Lower Upper

178 100

176 19.6 13.0 19.4#

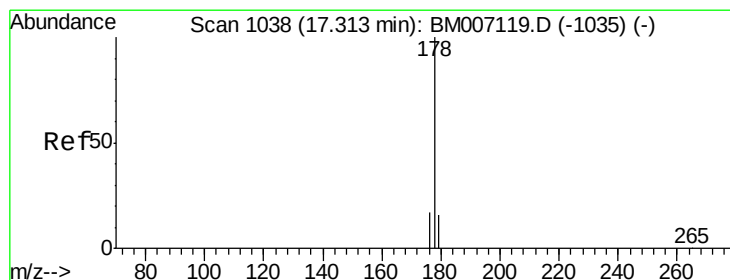
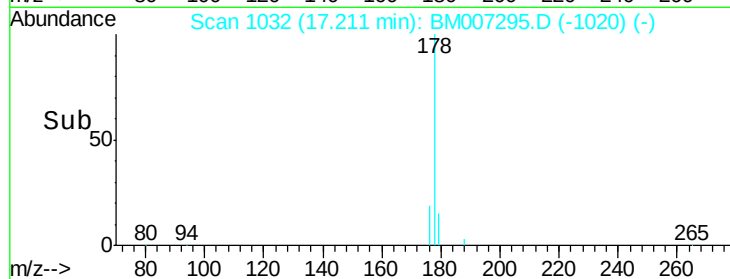
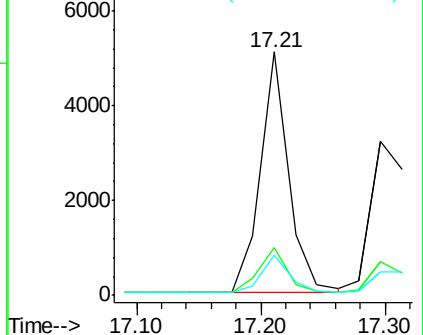
179 16.3 14.2 21.2



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: 0.44 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.10 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

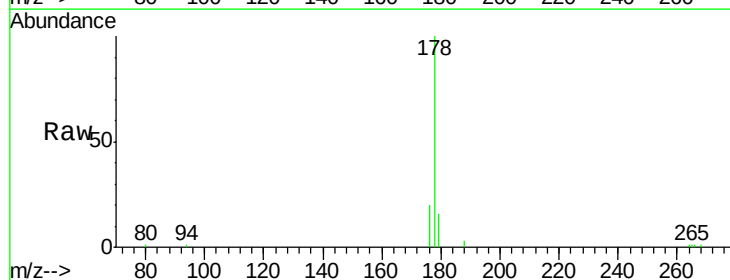
Tgt Ion:178 Resp: 8001

Ion Ratio Lower Upper

178 100

176 19.6 14.0 21.0

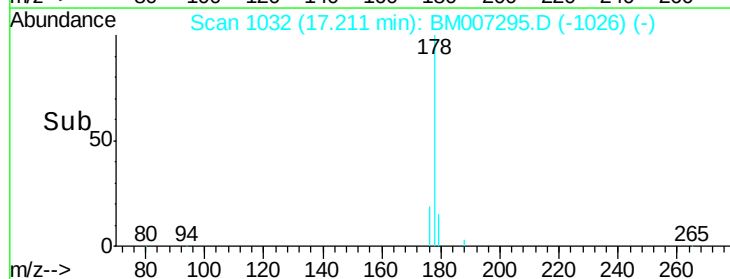
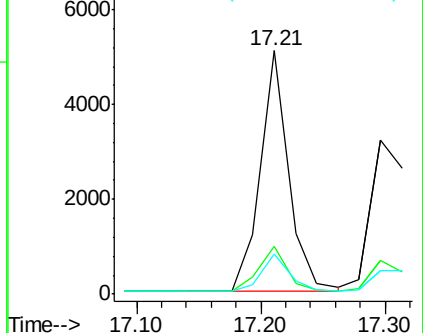
179 16.3 12.9 19.3

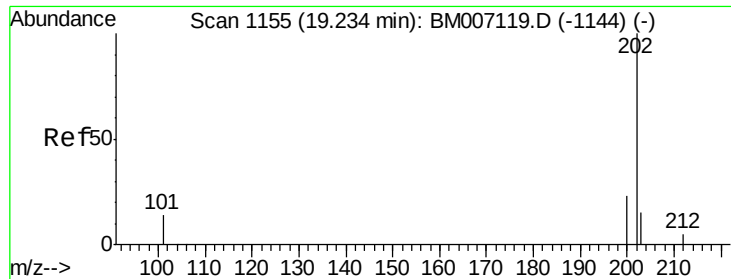


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.46 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

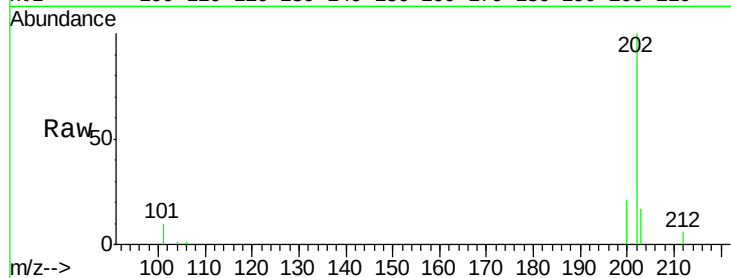
Tgt Ion:202 Resp: 10186

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.6

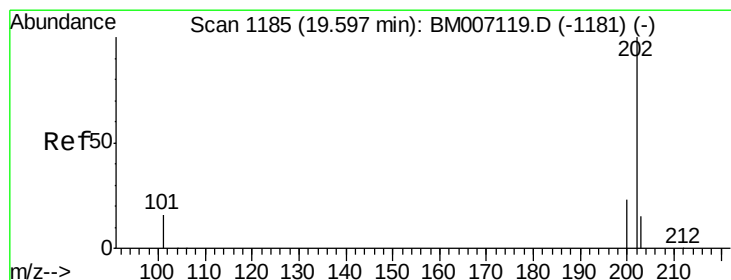
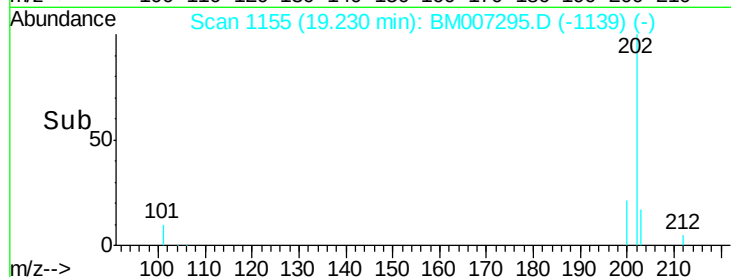
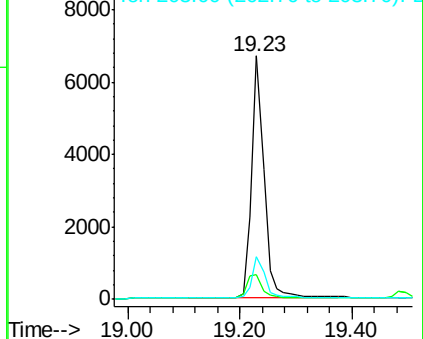
203 17.3 0.0 36.3



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: BM007295.D

Acq: 26 Aug 2016 15:28

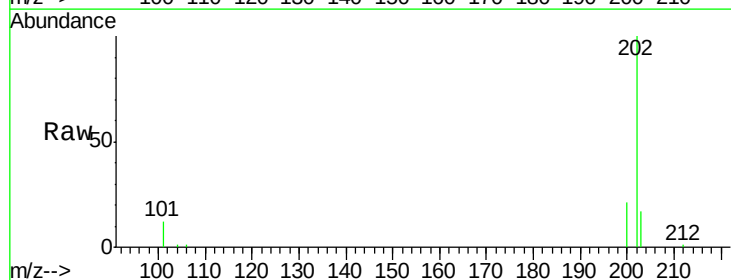
Tgt Ion:202 Resp: 10865

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.8

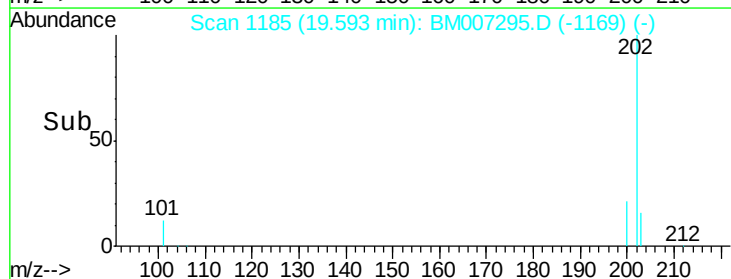
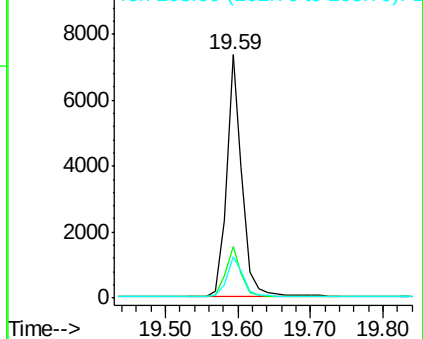
203 17.0 12.8 19.2

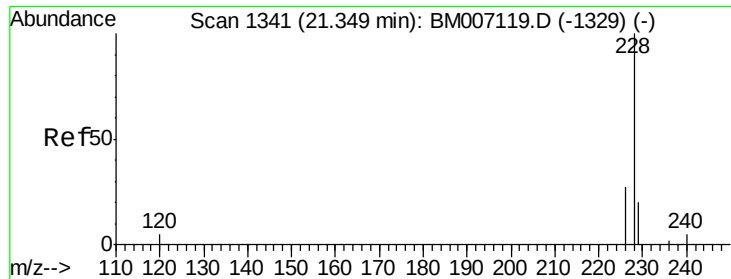


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

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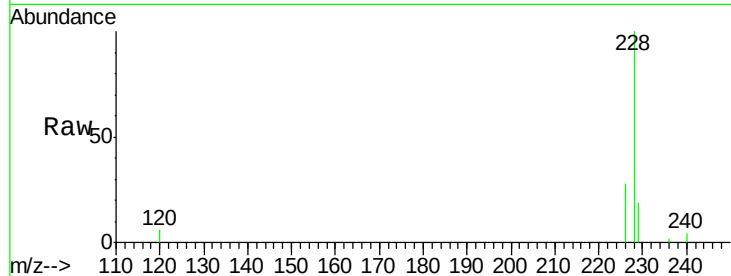
Tgt Ion:228 Resp: 9876

Ion Ratio Lower Upper

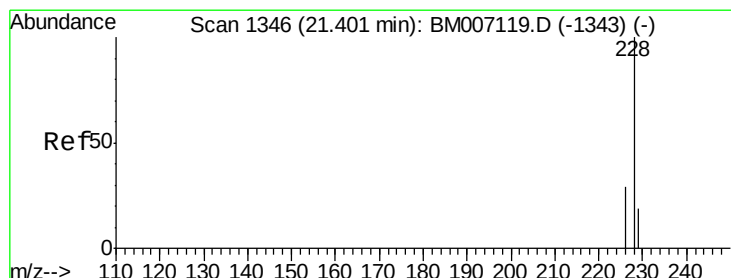
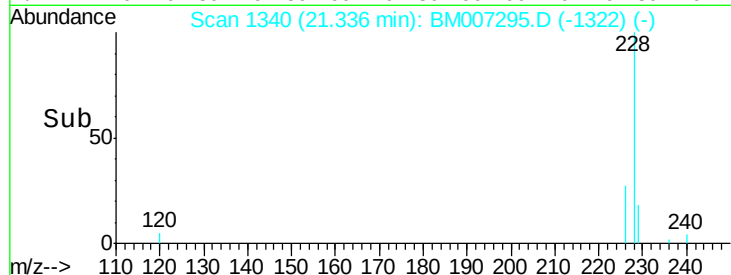
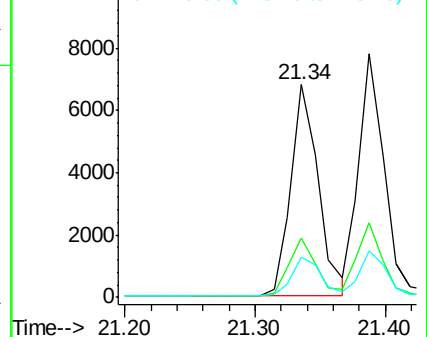
228 100

226 28.0 18.8 28.2

229 19.1 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: 0.45 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

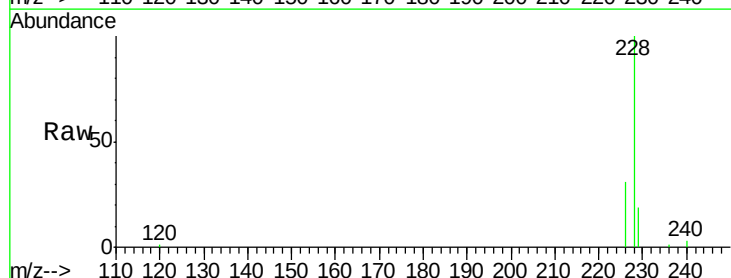
Tgt Ion:228 Resp: 10690

Ion Ratio Lower Upper

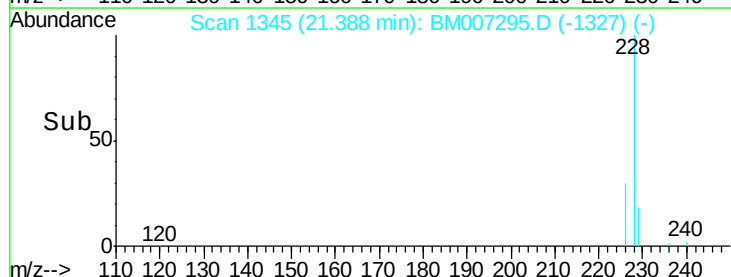
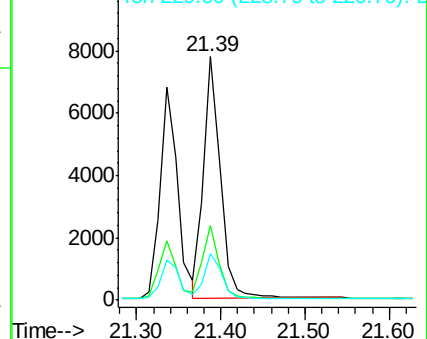
228 100

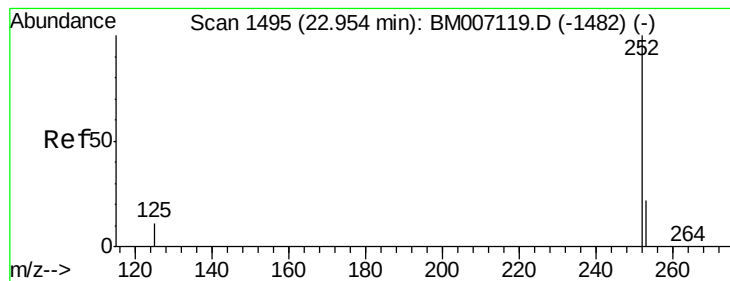
226 30.6 21.2 31.8

229 19.0 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: 0.42 ng/ul

RT: 22.94 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

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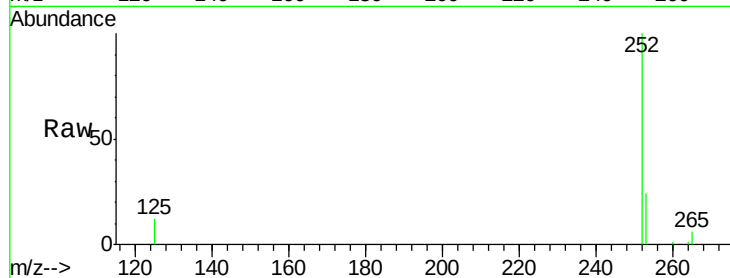
Tgt Ion:252 Resp: 12176

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

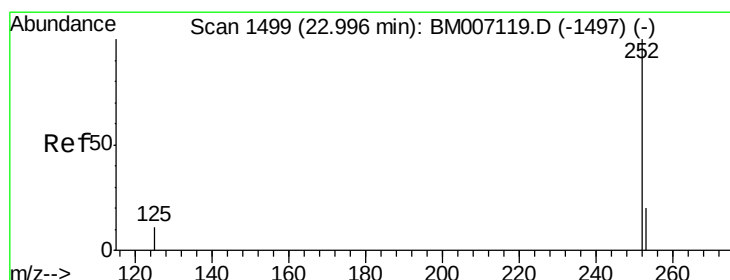
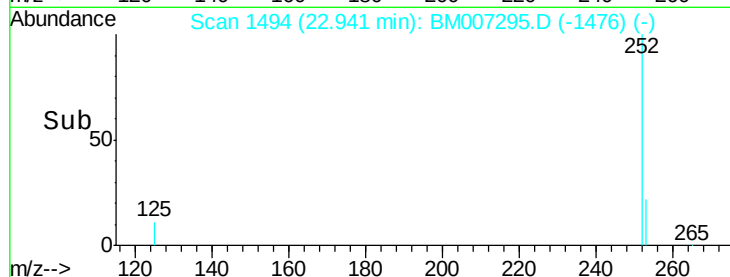
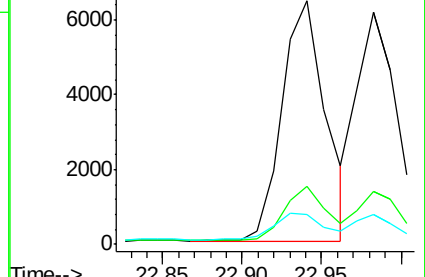
125 12.4 0.0 28.8



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: 0.46 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

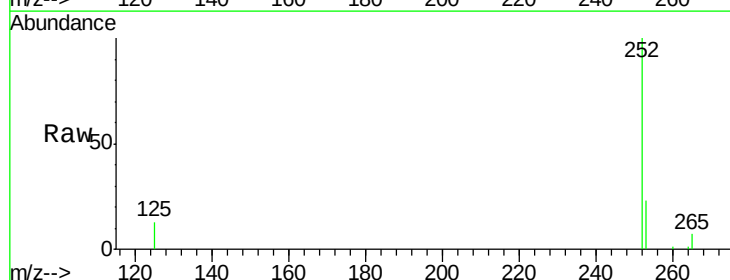
Tgt Ion:252 Resp: 11089

Ion Ratio Lower Upper

252 100

253 22.8 19.8 29.8

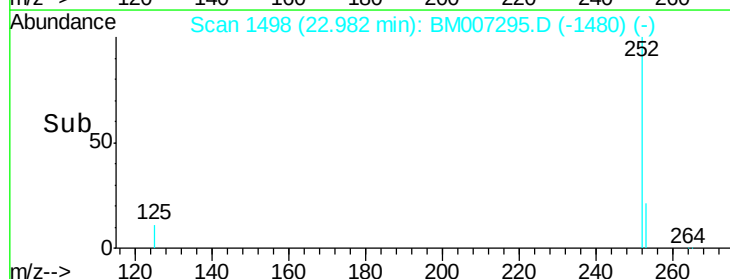
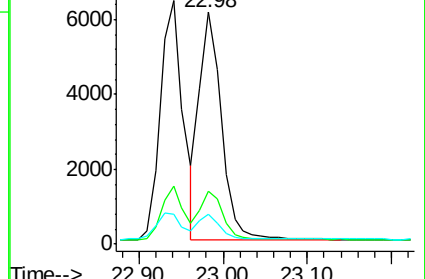
125 13.0 10.4 15.6

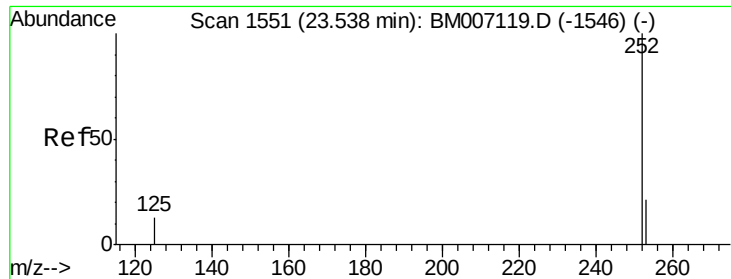


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.45 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

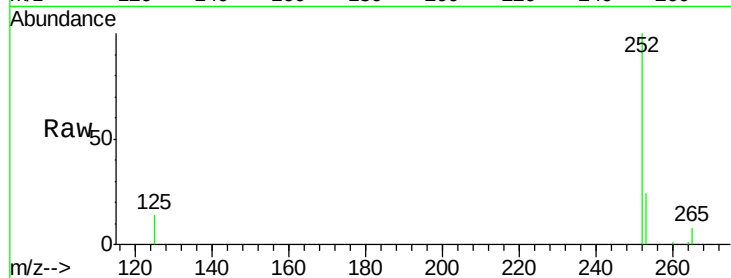
Tgt Ion:252 Resp: 11262

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.2

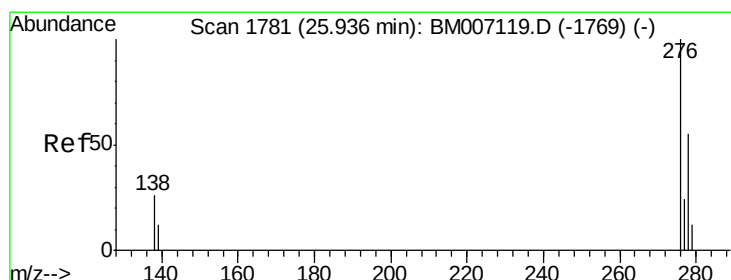
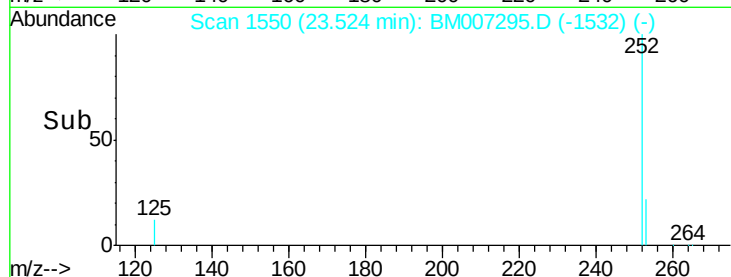
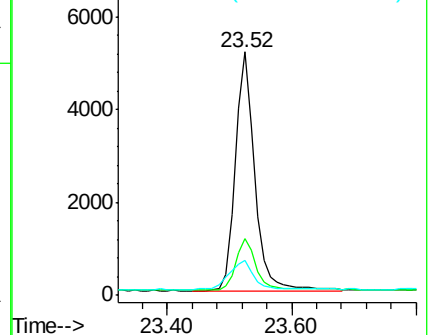
125 14.2 12.7 19.1



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. -0.02 min

Lab File: BM007295.D

Acq: 26 Aug 2016 15:28

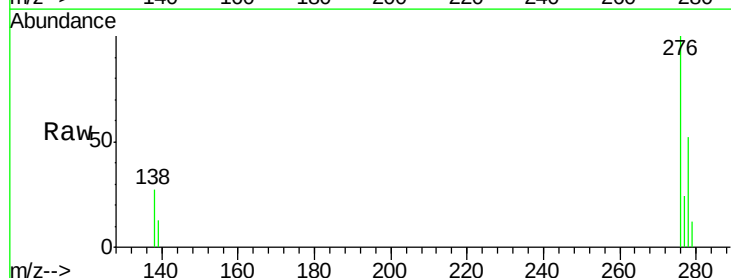
Tgt Ion:276 Resp: 13366

Ion Ratio Lower Upper

276 100

138 26.1 16.3 24.5#

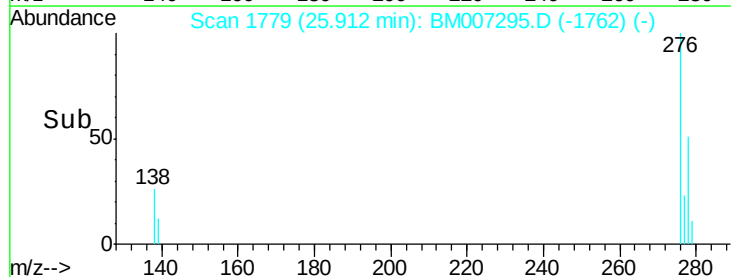
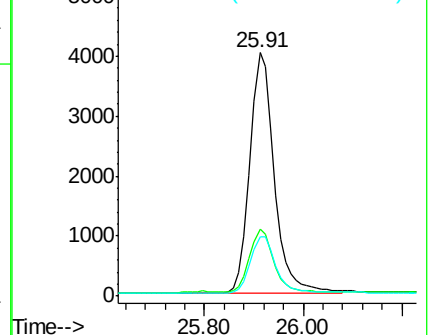
277 24.4 19.8 29.8

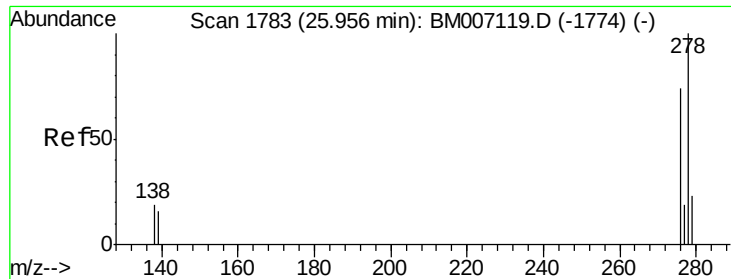


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

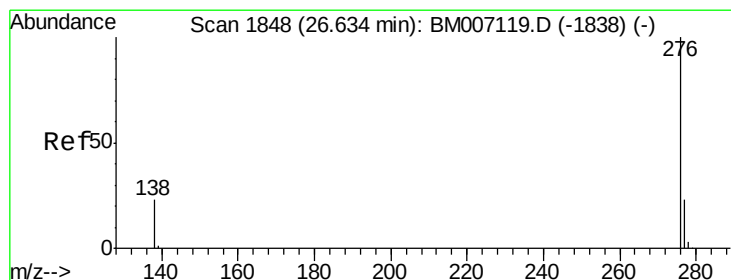
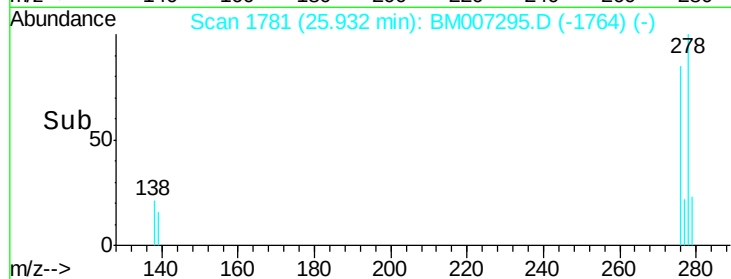
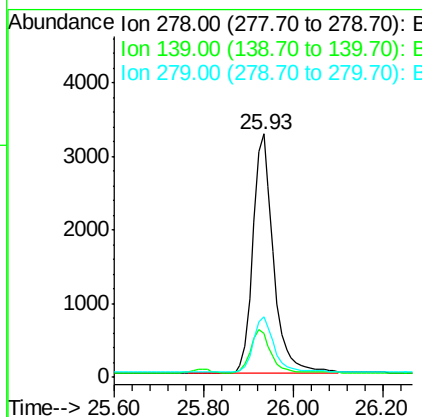
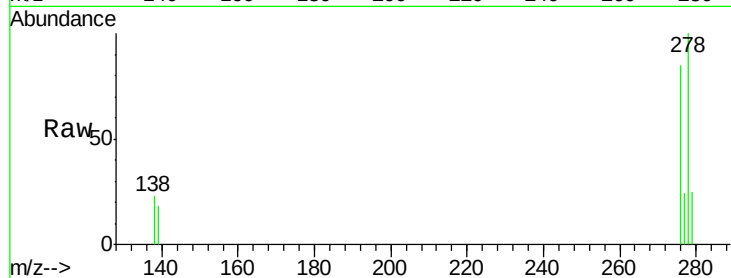




#25
Dibenzo(a,h)anthracene
Concen: 0.43 ng/ul
RT: 25.93 min Scan# 1781
Delta R.T. -0.02 min
Lab File: BM007295.D
Acq: 26 Aug 2016 15:28

Instrument :
BNA_M
ClientSampleId :
SSTD0.434

Tgt Ion: 278 Resp: 10522
Ion Ratio Lower Upper
278 100
139 18.2 16.4 24.6
279 25.0 20.2 30.2



#26
Benzo(g,h,i)perylene
Concen: 0.43 ng/ul
RT: 26.61 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BM007295.D
Acq: 26 Aug 2016 15:28

Tgt Ion: 276 Resp: 11461
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 24.8 22.5 33.7

