

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM022016.D
 Acq On : 11 Aug 2019 04:09
 Operator : HP/JU
 Sample : K4028-08DL 5X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENZ0DL

Quant Time: Aug 12 01:30:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

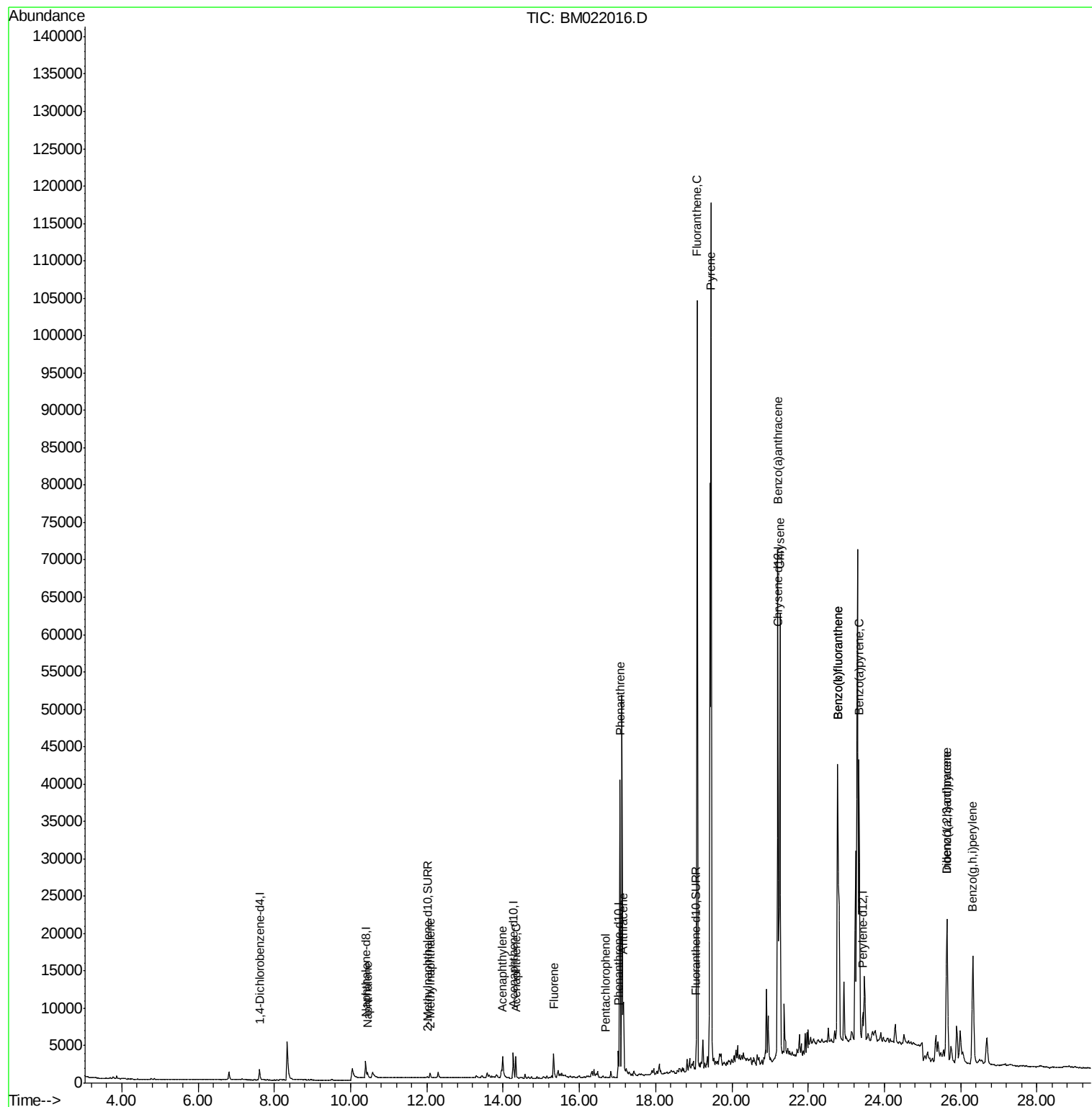
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	810	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3402	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	1890	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	4292	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4148	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	5581	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	309	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	898	0.06	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	1056	0.110	ng/ul#	90
5) 2-Methylnaphthalene	12.08	142	554	0.087	ng/ul	96
7) Acenaphthylene	13.99	152	3333	0.378	ng/ul#	84
8) Acenaphthene	14.33	153	1795	0.249	ng/ul	97
9) Fluorene	15.32	166	2346	0.293	ng/ul	99
11) Pentachlorophenol	16.69	266	55	0.069	ng/ul	89
12) Phenanthrene	17.06	178	41631	3.334	ng/ul	97
13) Anthracene	17.16	178	10832	1.017	ng/ul	97
15) Fluoranthene	19.09	202	88184	5.271	ng/ul	96
17) Pyrene	19.45	202	100767	5.912	ng/ul	98
18) Benzo(a)anthracene	21.21	228	56297	3.794	ng/ul	99
19) Chrysene	21.26	228	58124	3.046	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	85145	4.524	ng/ul	86
22) Benzo(k)fluoranthene	22.77	252	85108	3.996	ng/ul#	87
23) Benzo(a)pyrene	23.33	252	51195	2.675	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.64	276	30125	1.318	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	9077	0.491	ng/ul#	83
26) Benzo(g,h,i)perylene	26.32	276	30491	1.482	ng/ul	98

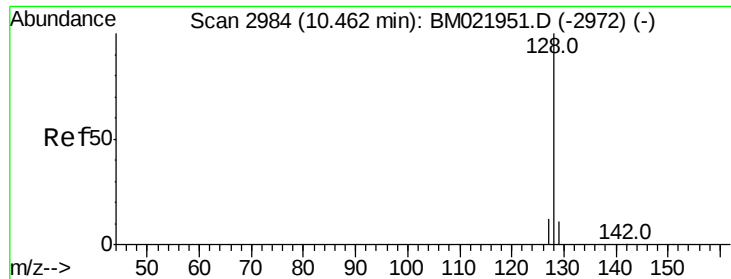
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.110 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZODL

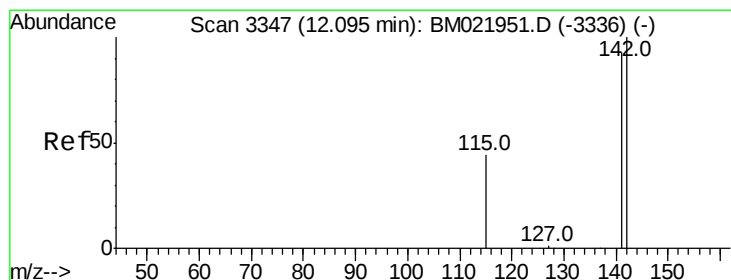
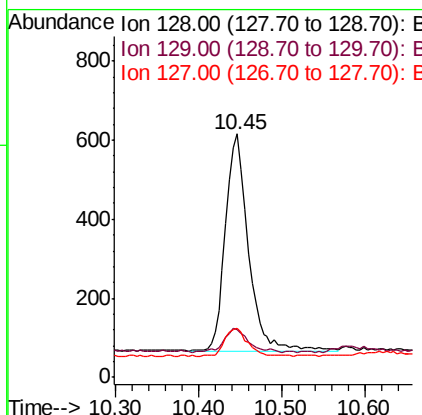
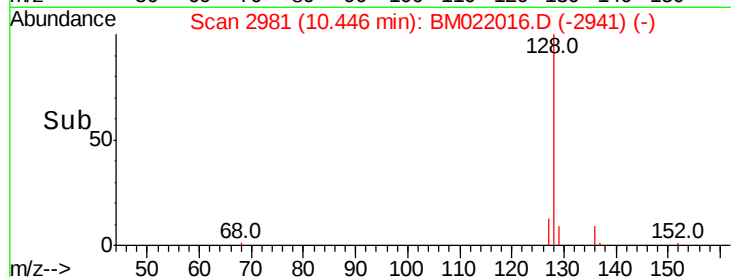
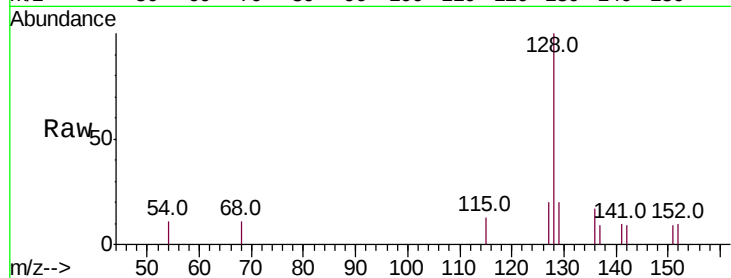
Tot Ion:128 Resp: 1056

Ion Ratio Lower Upper

128 100

129 19.6 12.3 18.5#

127 20.3 13.0 19.6#



#5

2-Methylnaphthalene

Concen: 0.087 ng/ul

RT: 12.08 min Scan# 3344

Delta R.T. -0.02 min

Lab File: BM022016.D

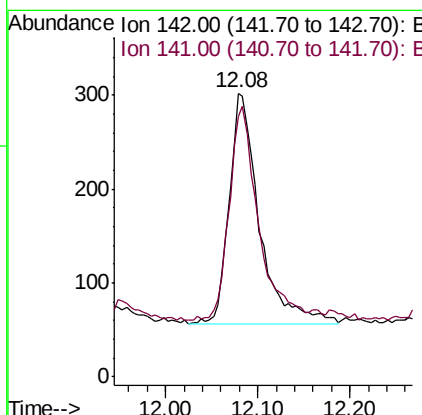
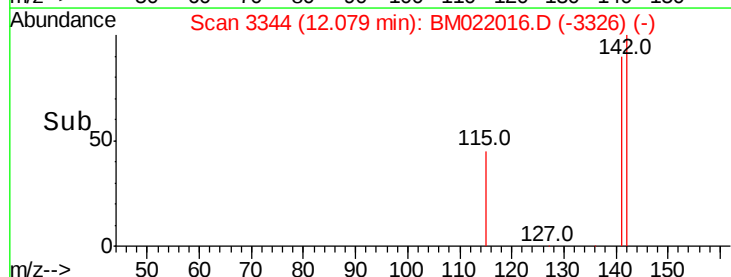
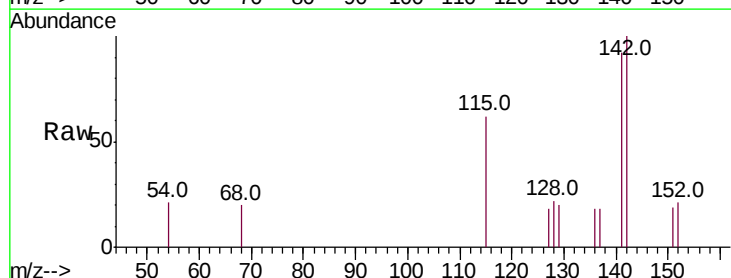
Acq: 11 Aug 2019 04:09

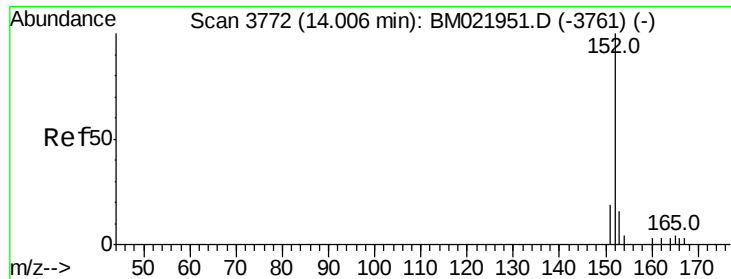
Tgt Ion:142 Resp: 554

Ion Ratio Lower Upper

142 100

141 89.4 74.3 111.5





#7

Acenaphthylene

Concen: 0.378 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZODL

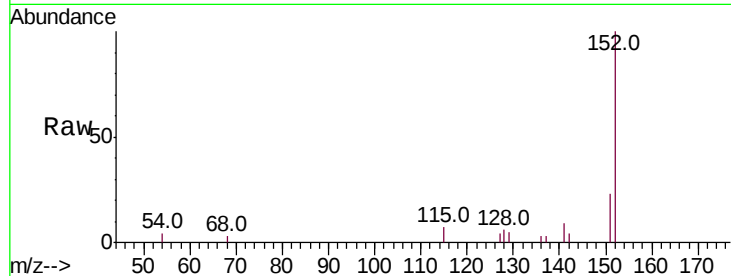
Tot Ion:152 Resp: 3333

Ion Ratio Lower Upper

152 100

151 22.5 18.3 27.5

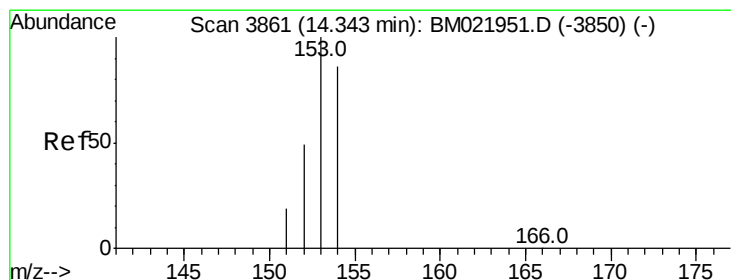
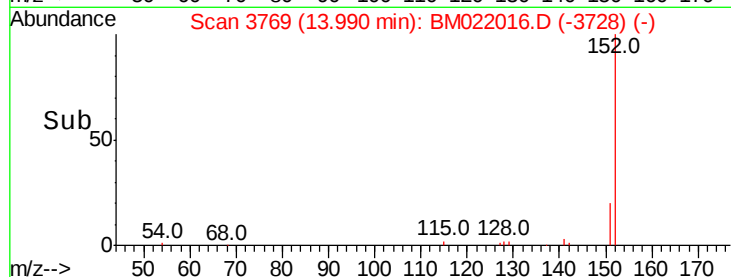
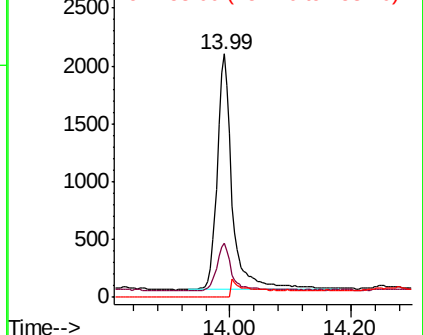
153 0.0 12.8 19.2#



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: 0.249 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

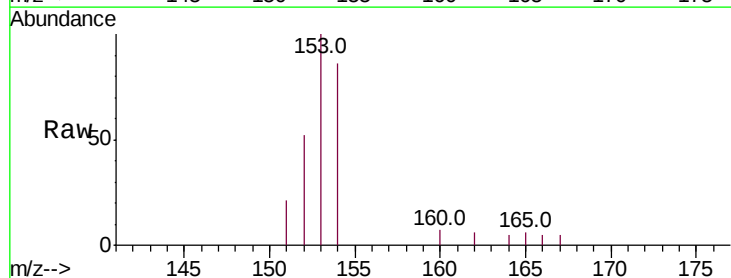
Tgt Ion:153 Resp: 1795

Ion Ratio Lower Upper

153 100

152 52.2 41.3 61.9

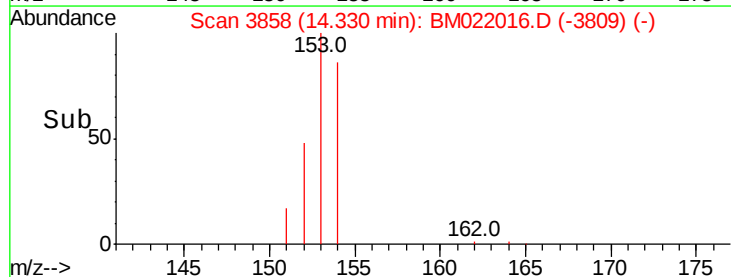
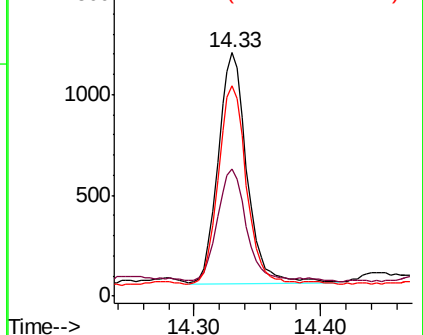
154 86.2 72.3 108.5

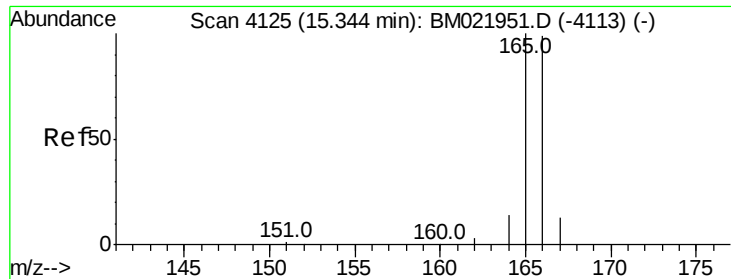


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.293 ng/ul

RT: 15.32 min Scan# 4120

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZODL

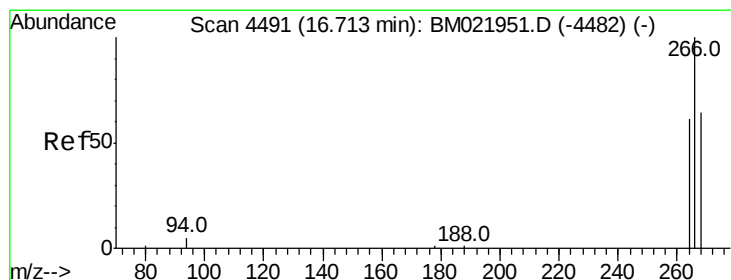
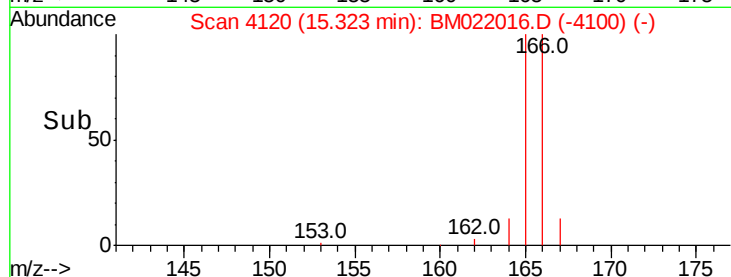
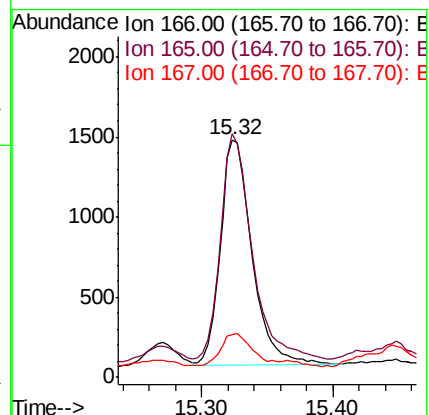
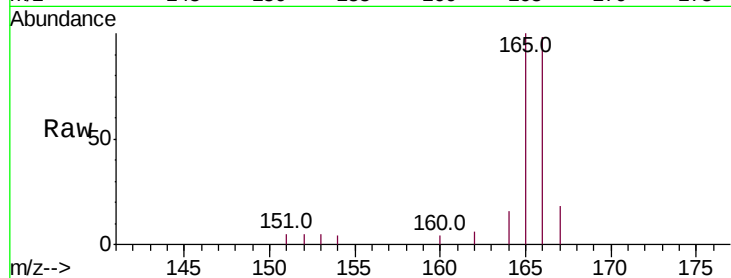
Tot Ion:166 Resp: 2346

Ion Ratio Lower Upper

166 100

165 102.4 81.4 122.0

167 18.0 13.7 20.5



#11

Pentachlorophenol

Concen: 0.069 ng/ul

RT: 16.69 min Scan# 4485

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

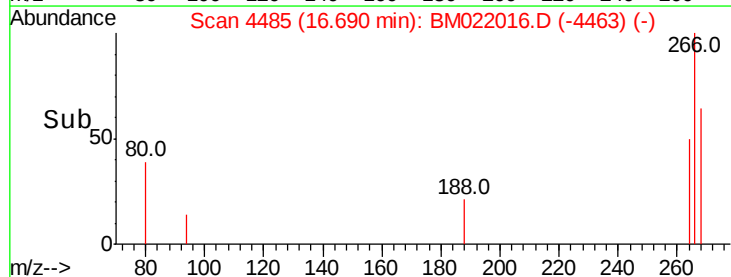
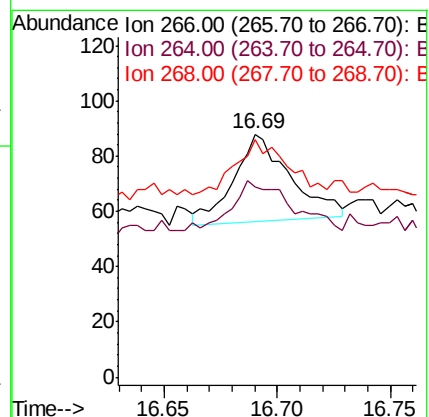
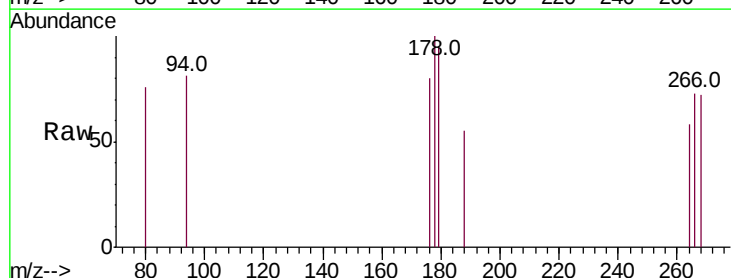
Tgt Ion:266 Resp: 55

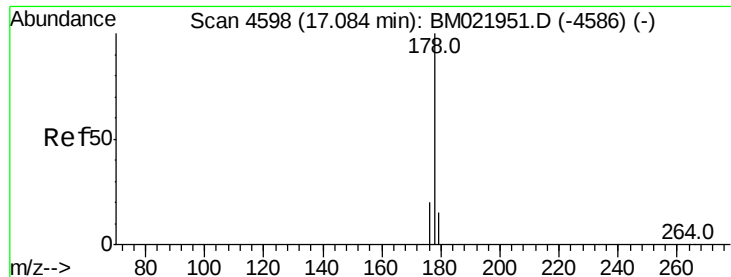
Ion Ratio Lower Upper

266 100

264 60.0 54.2 81.2

268 61.8 57.6 86.4





#12

Phenanthrene

Concen: 3.334 ng/ul

RT: 17.06 min Scan# 4592

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZODL

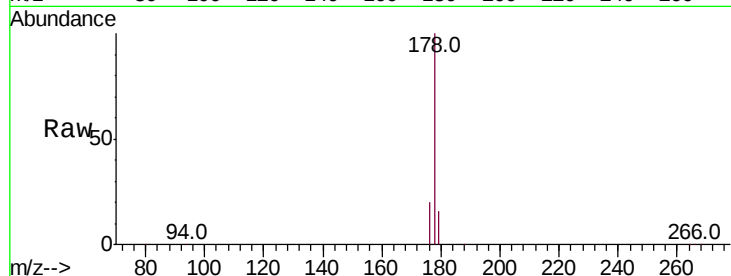
Tot Ion:178 Resp: 41631

Ion Ratio Lower Upper

178 100

179 15.6 14.2 21.2

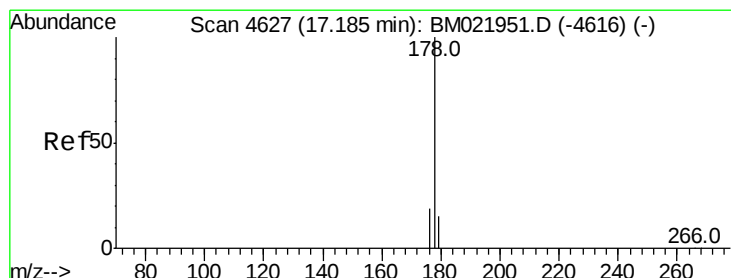
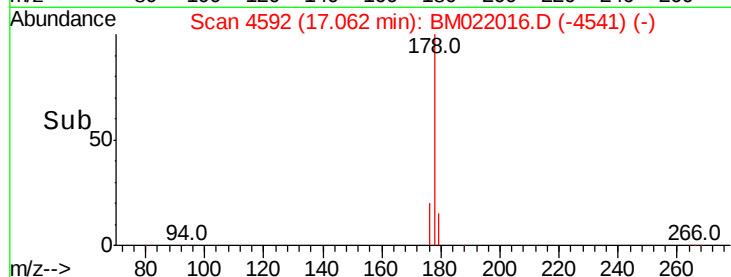
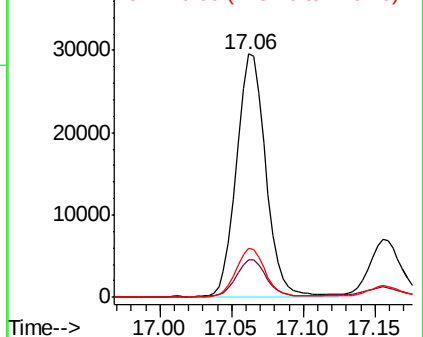
176 19.9 16.8 25.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 1.017 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.03 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

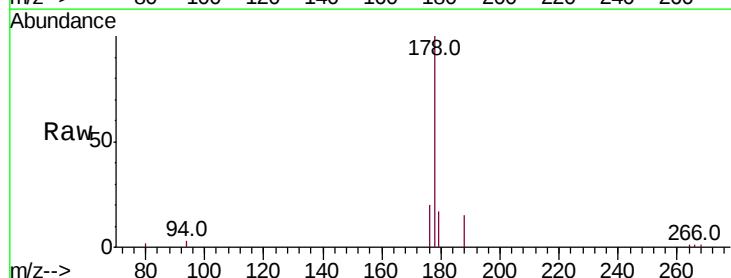
Tgt Ion:178 Resp: 10832

Ion Ratio Lower Upper

178 100

179 17.4 15.5 23.3

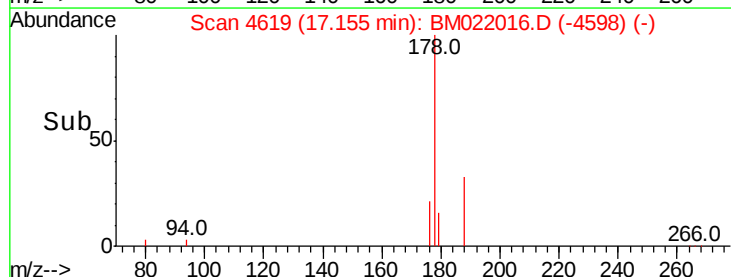
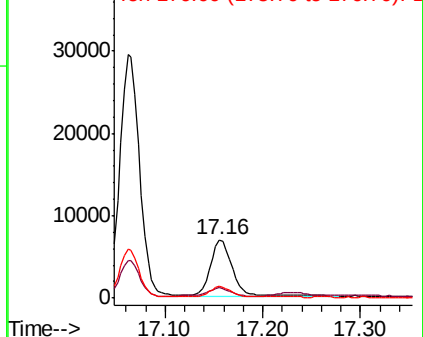
176 20.0 16.6 25.0

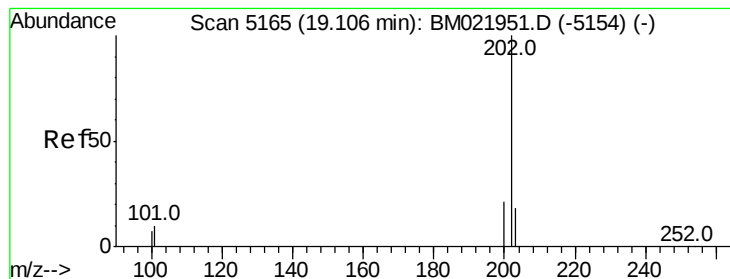


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 5.271 ng/ul

RT: 19.09 min Scan# 5161

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZODL

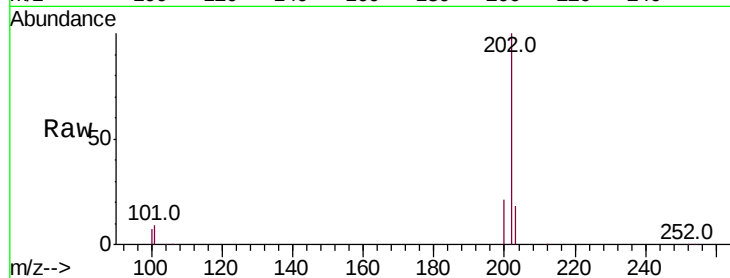
Tot Ion:202 Resp: 88184

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.2

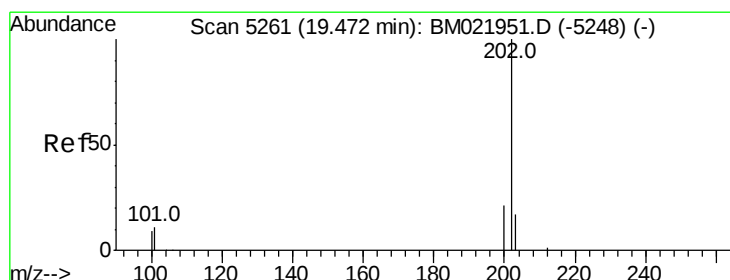
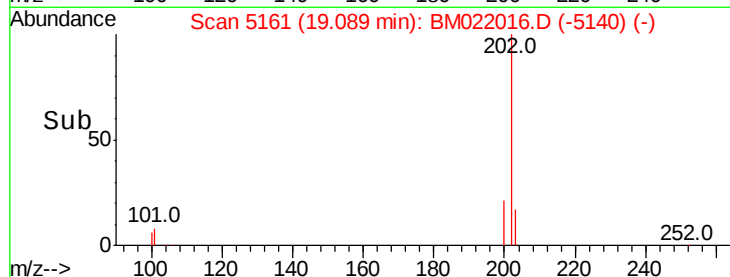
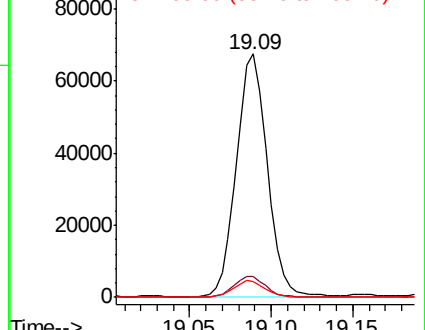
100 6.5 0.0 28.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 5.912 ng/ul

RT: 19.45 min Scan# 5257

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

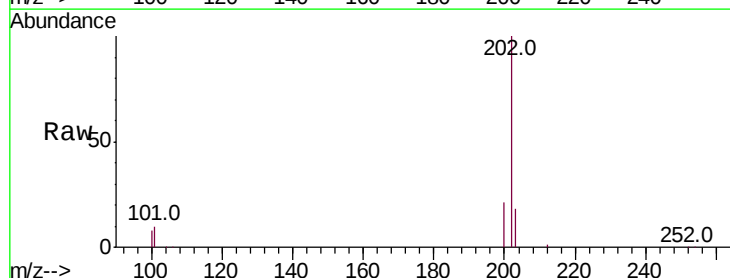
Tgt Ion:202 Resp: 100767

Ion Ratio Lower Upper

202 100

101 9.7 8.3 12.5

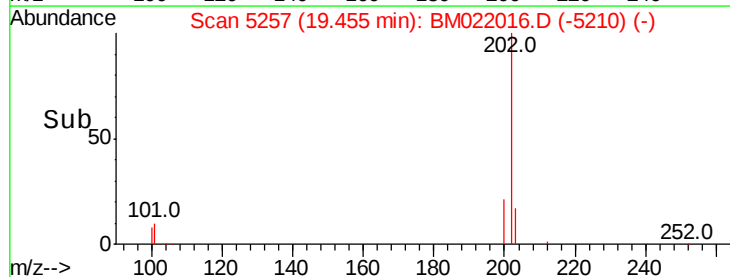
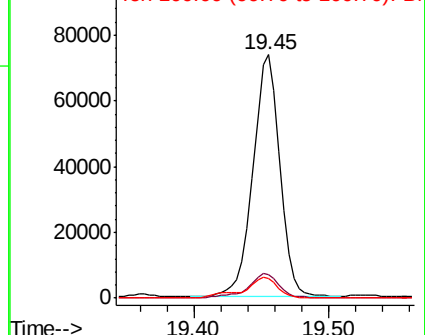
100 8.1 7.2 10.8

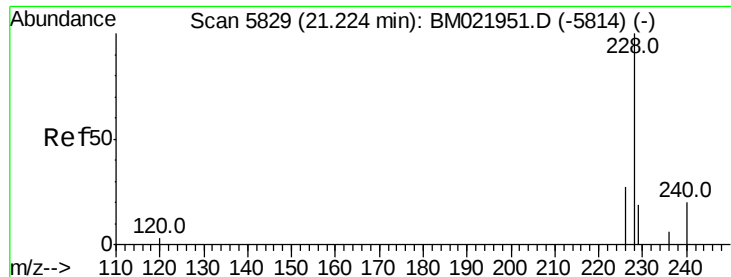


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.794 ng/ul

RT: 21.21 min Scan# 5822

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZ0DL

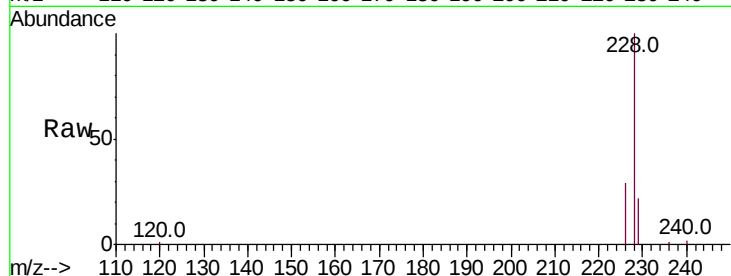
Tot Ion:228 Resp: 56297

Ion Ratio Lower Upper

228 100

229 21.9 17.2 25.8

226 29.2 22.6 34.0

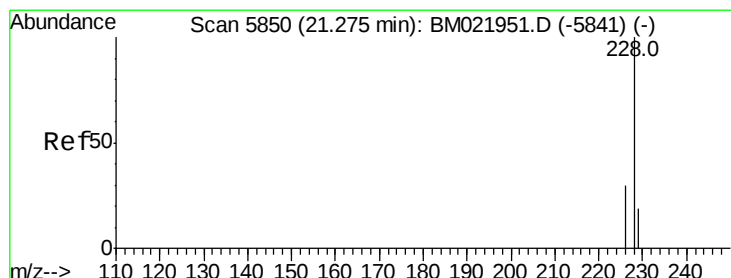
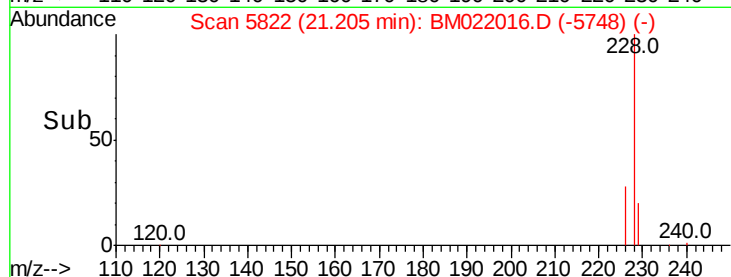
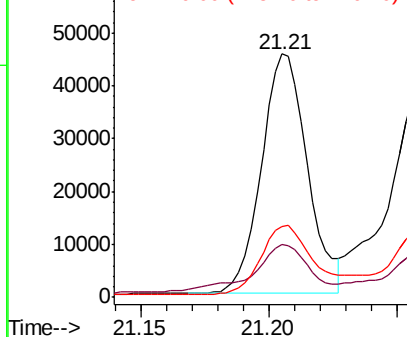


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 3.046 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

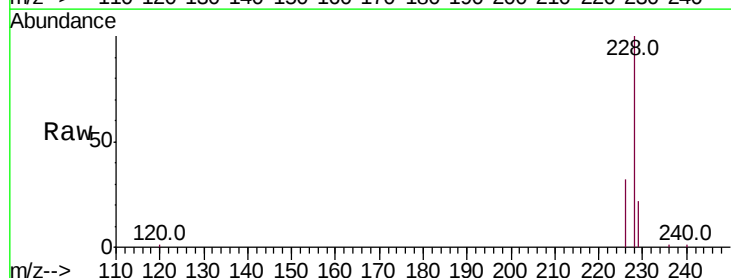
Tgt Ion:228 Resp: 58124

Ion Ratio Lower Upper

228 100

226 31.9 24.9 37.3

229 22.4 16.6 25.0

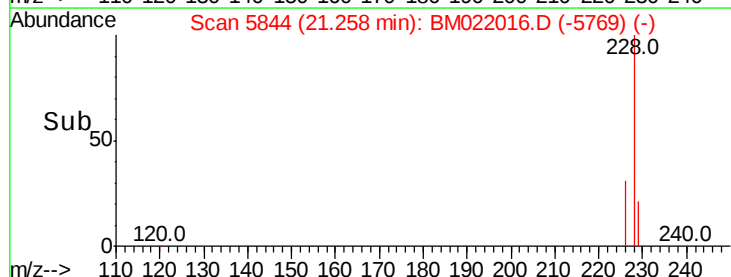
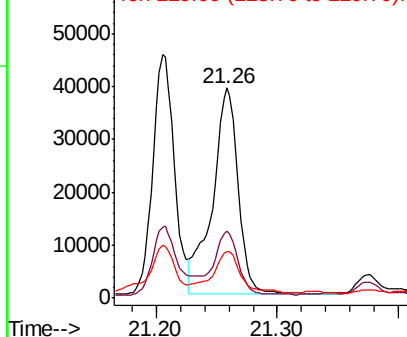


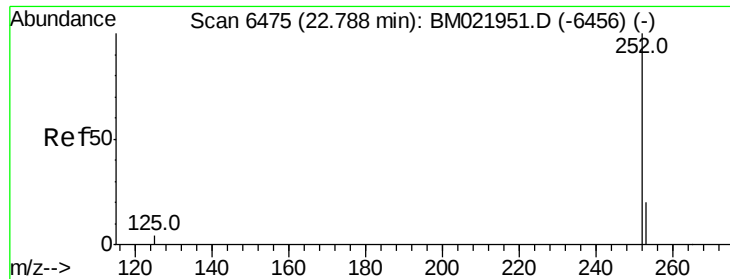
Abundance

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: 4.524 ng/uL

RT: 22.77 min Scan# 6469

Delta R.T. -0.02 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZ0DL

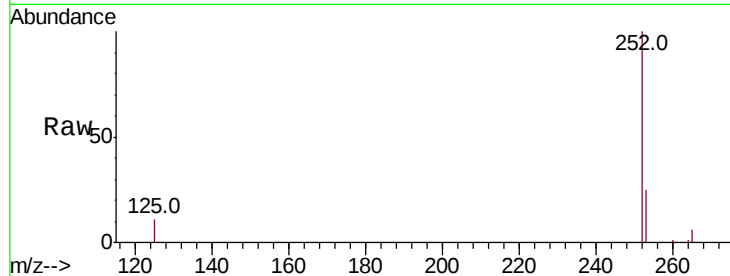
Tot Ion:252 Resp: 85145

Ion Ratio Lower Upper

252 100

253 25.1 0.0 67.4

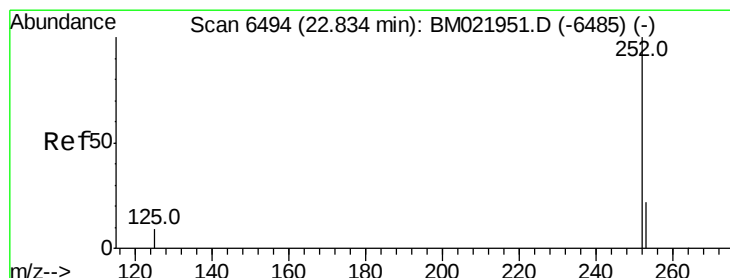
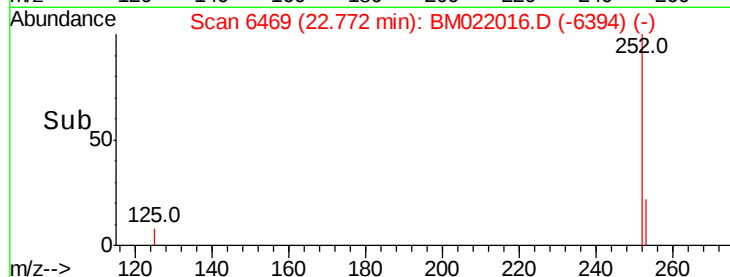
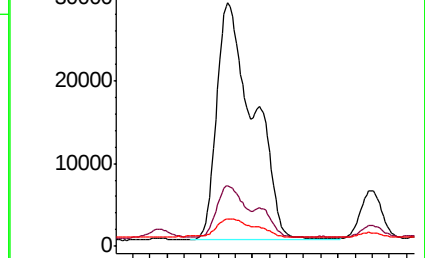
125 11.3 0.0 31.0



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: 3.996 ng/uL

RT: 22.77 min Scan# 6469

Delta R.T. -0.06 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

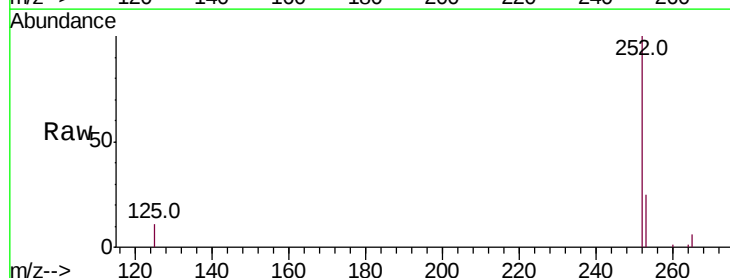
Tgt Ion:252 Resp: 85108

Ion Ratio Lower Upper

252 100

253 25.1 27.0 40.4#

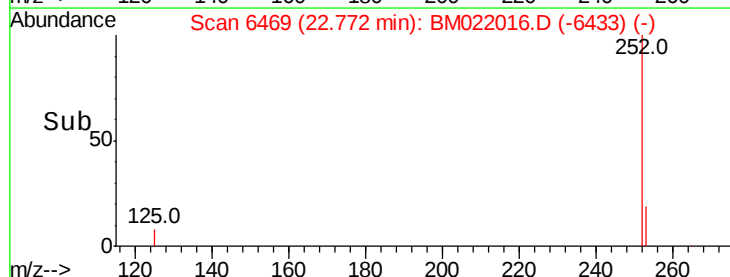
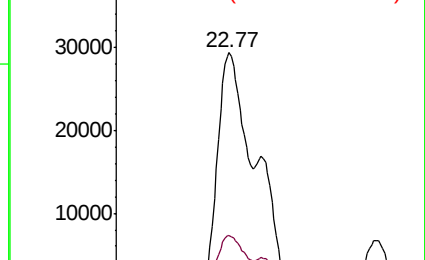
125 11.3 12.2 18.2#

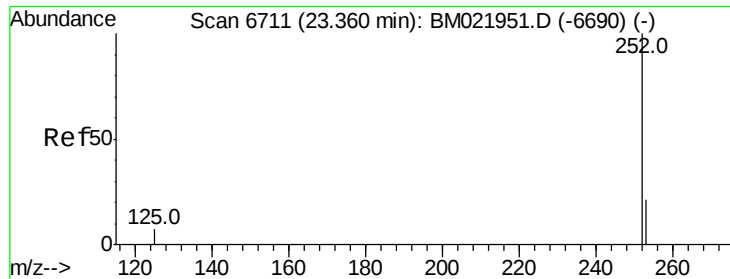


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.675 ng/ul

RT: 23.33 min Scan# 6701

Delta R.T. -0.03 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

Instrument :

BNA_M

ClientSampleId :

BENZODL

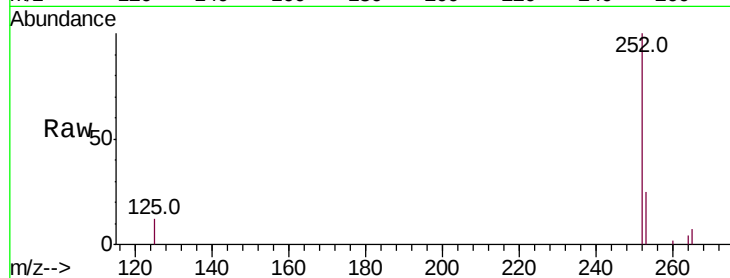
Tot Ion:252 Resp: 51195

Ion Ratio Lower Upper

252 100

253 25.0 31.7 47.5#

125 11.7 14.6 21.8#

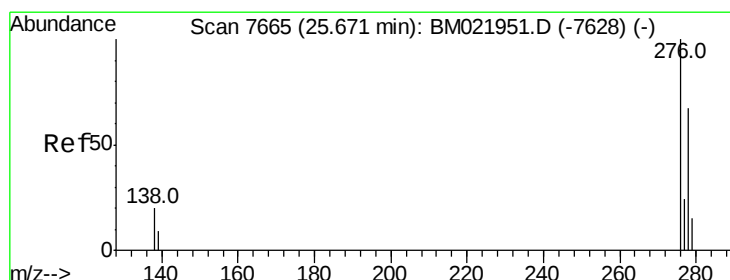
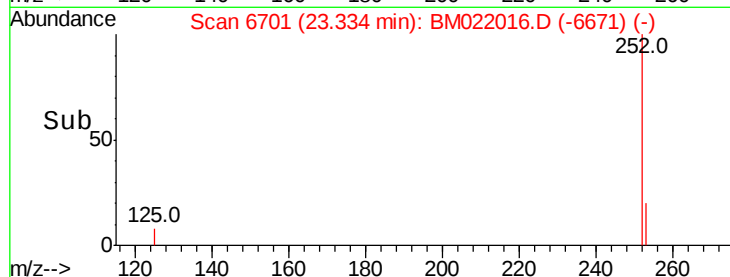
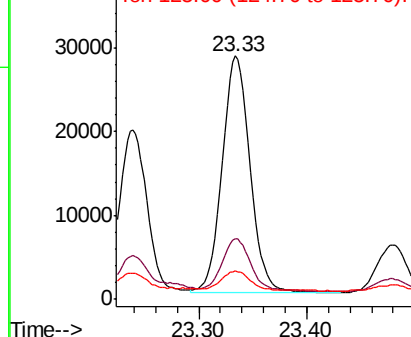


Abundance

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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.318 ng/ul

RT: 25.64 min Scan# 7652

Delta R.T. -0.04 min

Lab File: BM022016.D

Acq: 11 Aug 2019 04:09

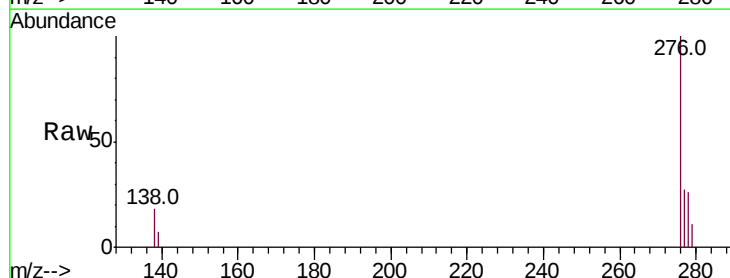
Tgt Ion:276 Resp: 30125

Ion Ratio Lower Upper

276 100

138 15.8 15.1 22.7

227 0.0 0.0 0.0

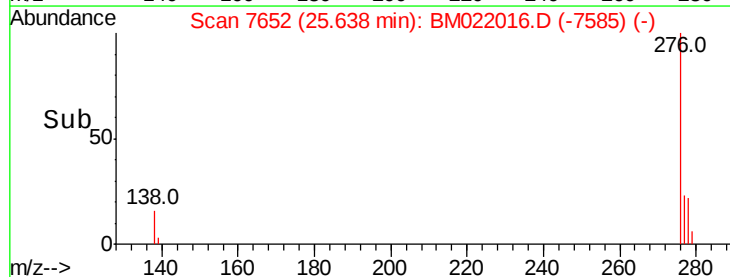
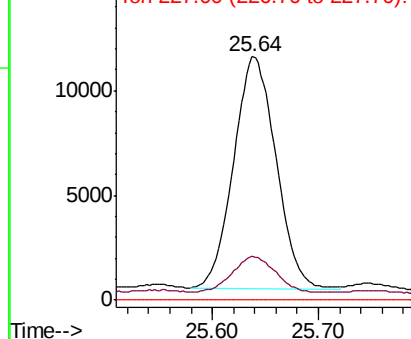


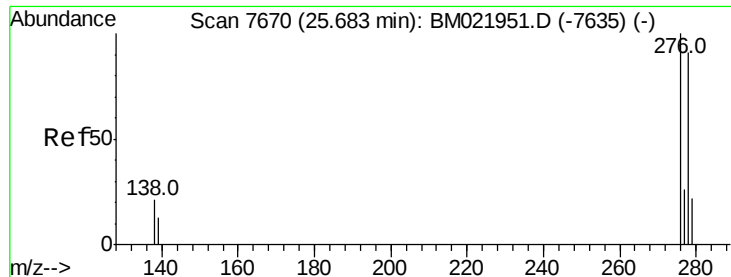
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

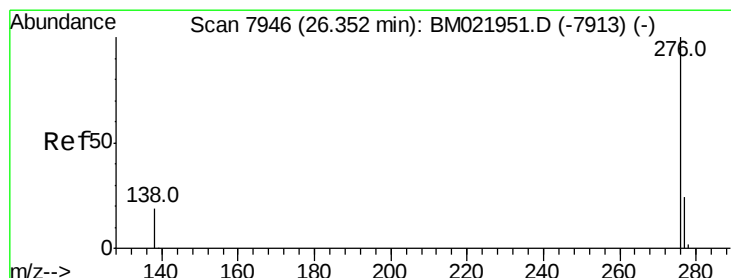
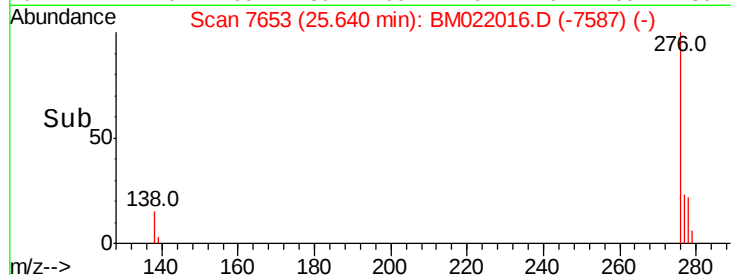
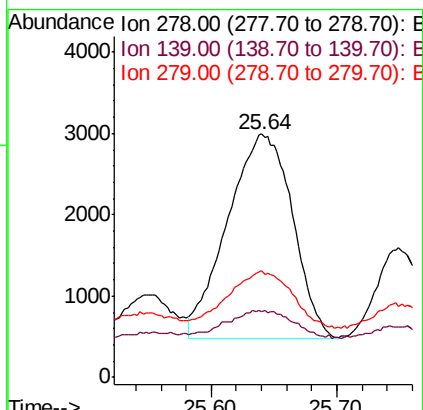
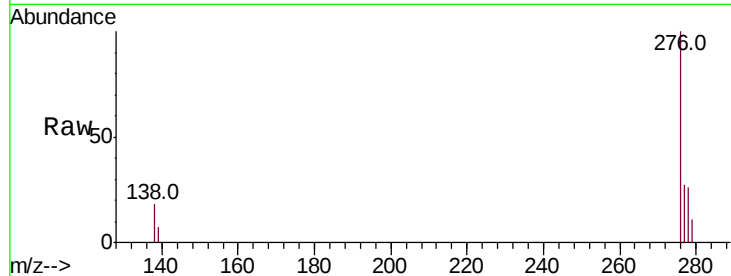




#25
Dibenzo(a,h)anthracene
Concen: 0.491 ng/ul
RT: 25.64 min Scan# 7653
Delta R.T. -0.04 min
Lab File: BM022016.D
Acq: 11 Aug 2019 04:09

Instrument :
BNA_M
ClientSampleId :
BENZODL

Tot Ion:278 Resp: 9077
Ion Ratio Lower Upper
278 100
139 27.2 14.2 21.2#
279 43.6 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 1.482 ng/ul
RT: 26.32 min Scan# 7932
Delta R.T. -0.04 min
Lab File: BM022016.D
Acq: 11 Aug 2019 04:09

Tgt Ion:276 Resp: 30491
Ion Ratio Lower Upper
276 100
138 17.6 15.5 23.3
277 26.9 21.4 32.2

