

Data File : BM022075.D
Acq On : 13 Aug 2019 18:11
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT5DL

Quant Time: Aug 14 07:21:55 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 : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	596	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	2478	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	1324	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3021	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	3029	0.40	ng/ul	-0.01
20) Perylene-d12	23.43	264	3286	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	1288	0.32	ng/ul	-0.01
14) Fluoranthene-d10	19.05	212	2799	0.27	ng/ul	-0.02

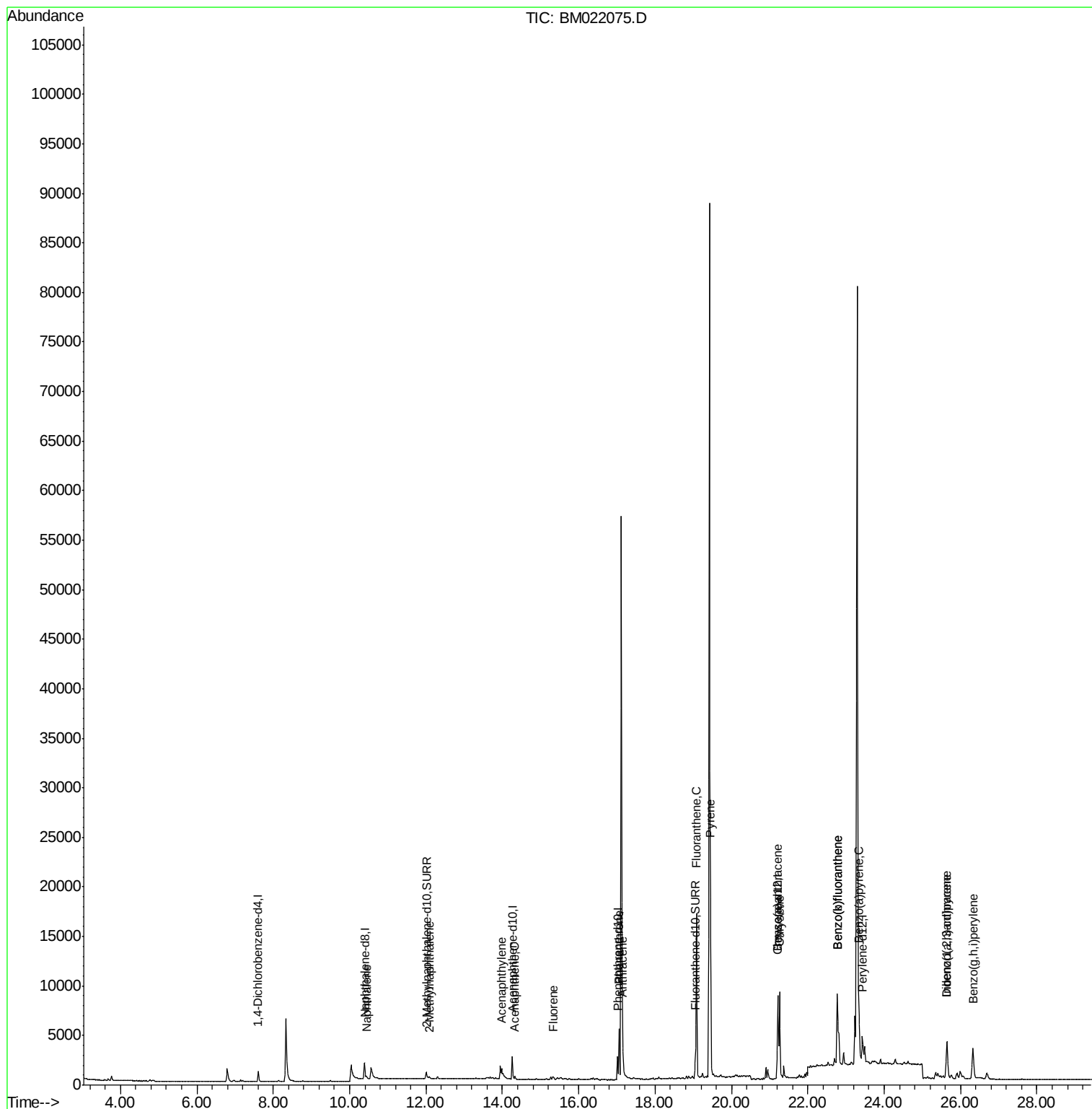
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.44	128	399	0.057	ng/ul#	68
5) 2-Methylnaphthalene	12.09	142	137	0.029	ng/ul	93
7) Acenaphthylene	13.99	152	1423	0.230	ng/ul#	82
8) Acenaphthene	14.32	153	191	0.038	ng/ul#	85
9) Fluorene	15.32	166	305	0.054	ng/ul#	90
12) Phenanthrene	17.06	178	5614	0.639	ng/ul	99
13) Anthracene	17.16	178	1772	0.236	ng/ul#	91
15) Fluoranthene	19.09	202	14527	1.234	ng/ul	96
17) Pyrene	19.45	202	16167	1.299	ng/ul	98
18) Benzo(a)anthracene	21.21	228	7025	0.648	ng/ul	95
19) Chrysene	21.26	228	9185	0.659	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	16440	1.484	ng/ul	91
22) Benzo(k)fluoranthene	22.77	252	16440	1.311	ng/ul	91
23) Benzo(a)pyrene	23.34	252	8605	0.764	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.64	276	6467	0.481	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.65	278	1479	0.136	ng/ul#	70
26) Benzo(g,h,i)perylene	26.32	276	6592	0.544	ng/ul	96

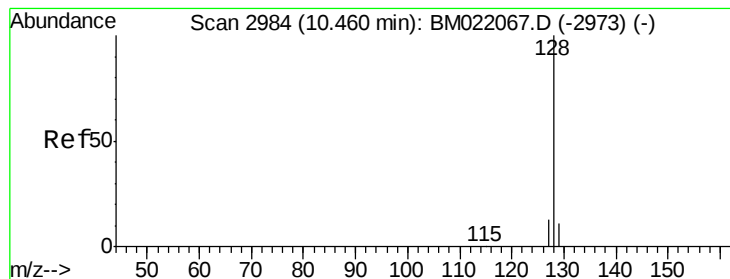
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.057 ng/ul

RT: 10.44 min Scan# 2979

Delta R.T. -0.02 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

Instrument :

BNA_M

ClientSampleId :

BENT5DL

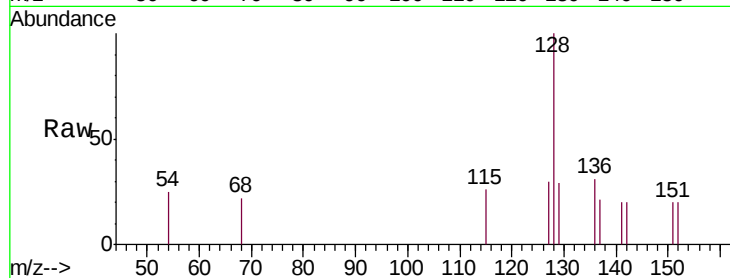
Tgt Ion:128 Resp: 399

Ion Ratio Lower Upper

128 100

129 29.2 12.3 18.5#

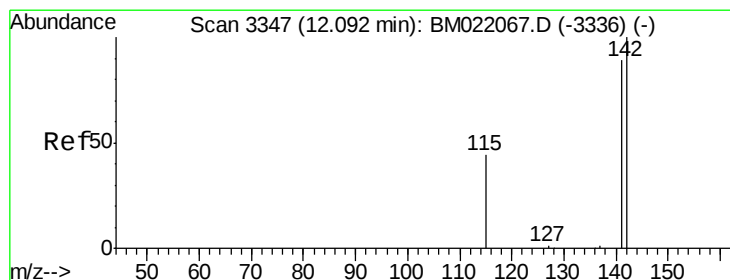
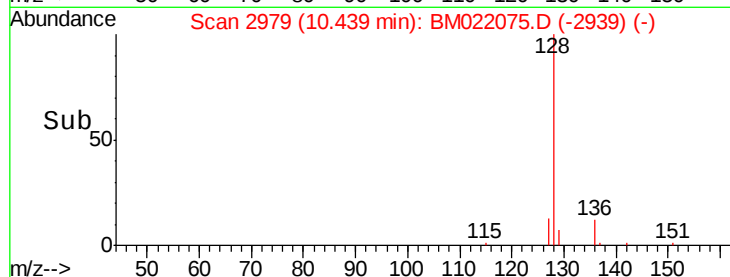
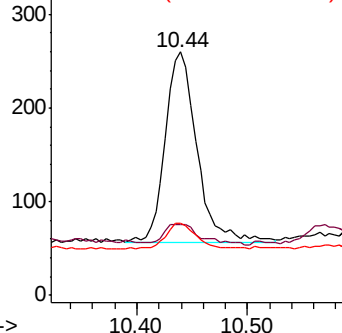
127 29.6 13.0 19.6#



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: 0.029 ng/ul

RT: 12.09 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BM022075.D

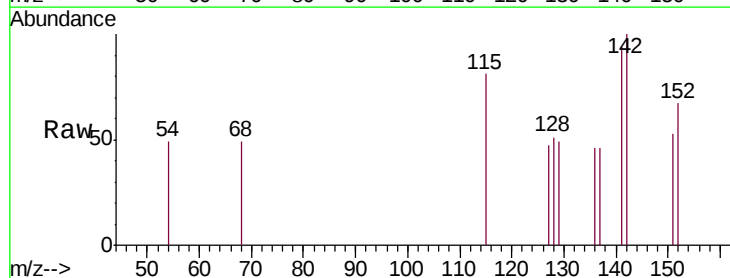
Acq: 13 Aug 2019 18:11

Tgt Ion:142 Resp: 137

Ion Ratio Lower Upper

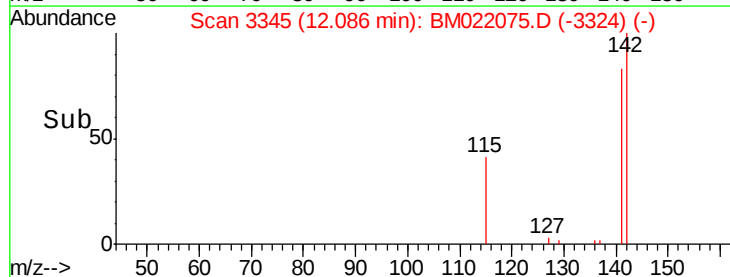
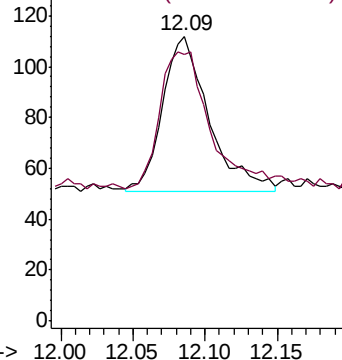
142 100

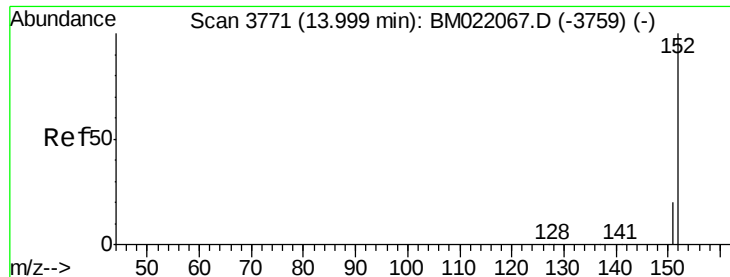
141 100.0 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.230 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.01 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

Instrument :

BNA_M

ClientSampleId :

BENT5DL

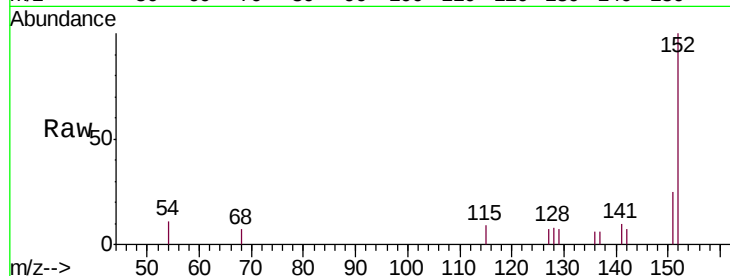
Tgt Ion:152 Resp: 1423

Ion Ratio Lower Upper

152 100

151 25.3 18.3 27.5

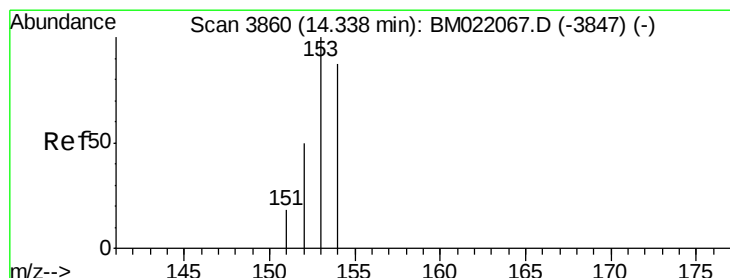
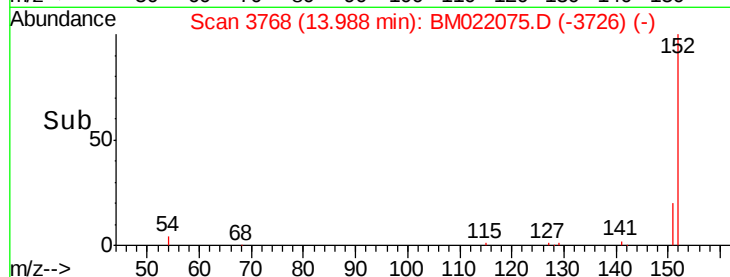
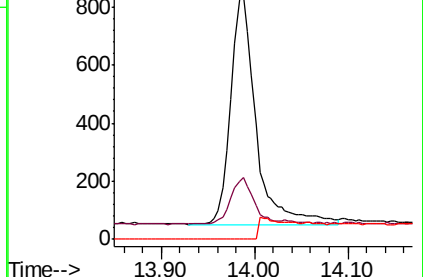
153 0.0 12.8 19.2#



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: 0.038 ng/ul

RT: 14.32 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

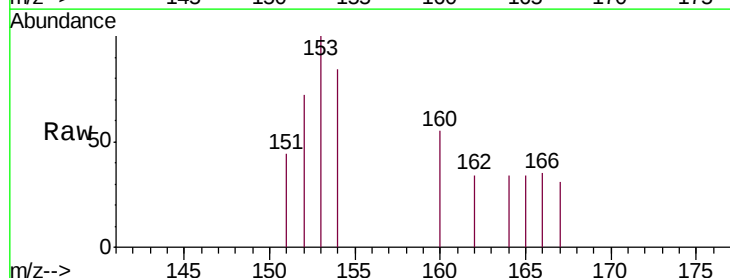
Tgt Ion:153 Resp: 191

Ion Ratio Lower Upper

153 100

152 71.8 41.3 61.9#

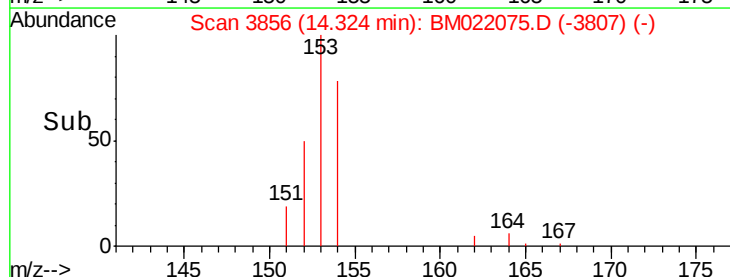
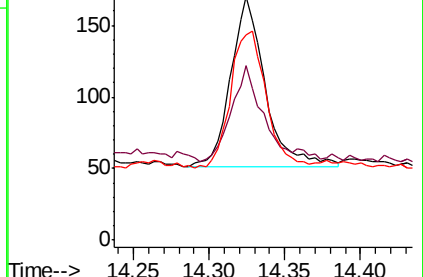
154 84.1 72.3 108.5

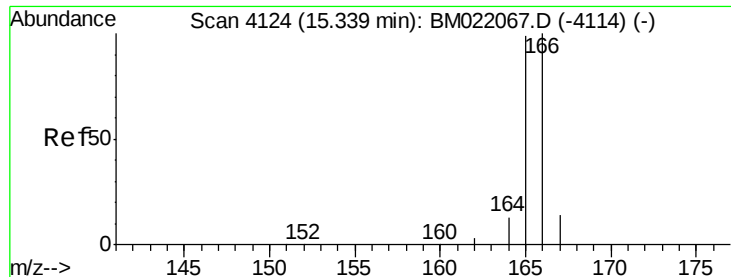


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.054 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. -0.02 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

Instrument :

BNA_M

ClientSampleId :

BENT5DL

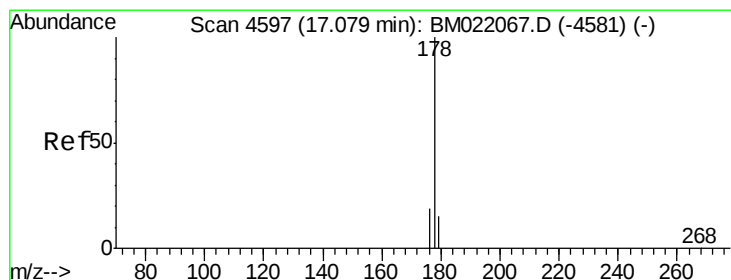
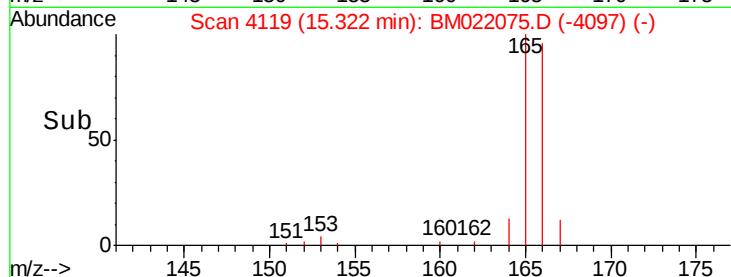
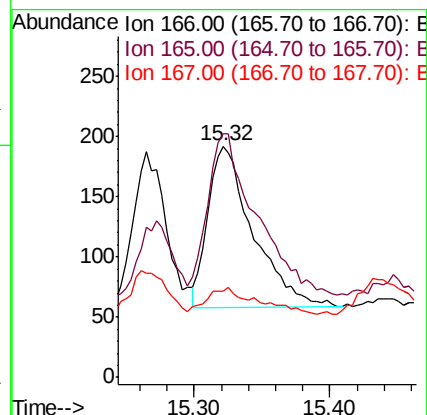
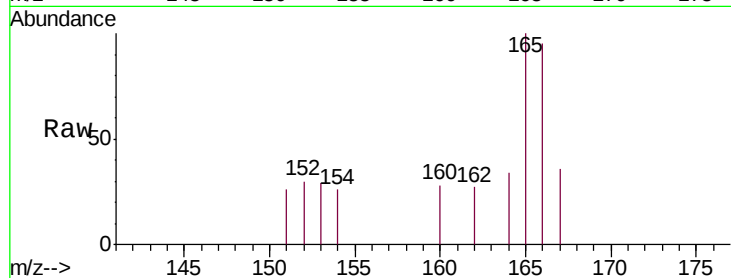
Tgt Ion:166 Resp: 305

Ion Ratio Lower Upper

166 100

165 105.2 81.4 122.0

167 37.5 13.7 20.5#



#12

Phenanthrene

Concen: 0.639 ng/ul

RT: 17.06 min Scan# 4591

Delta R.T. -0.02 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

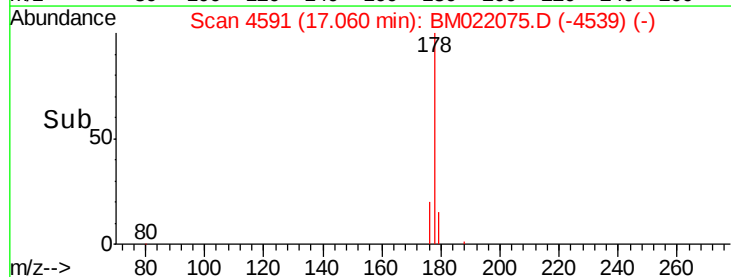
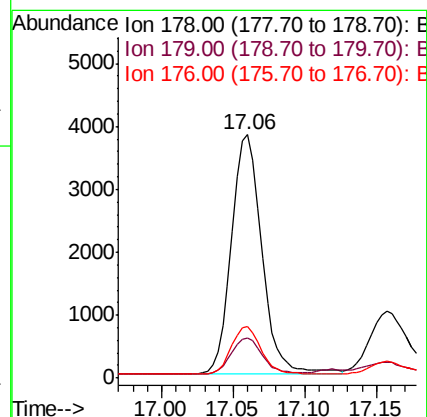
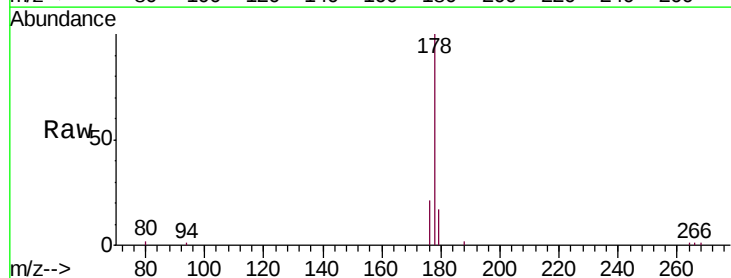
Tgt Ion:178 Resp: 5614

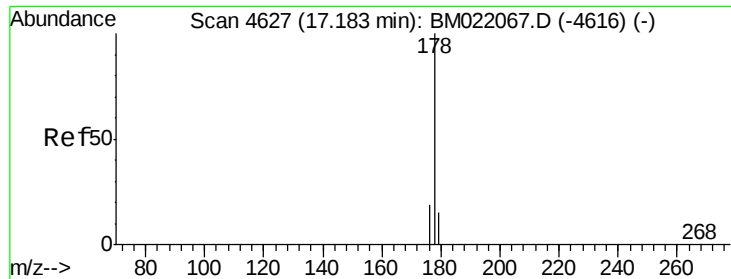
Ion Ratio Lower Upper

178 100

179 16.6 14.2 21.2

176 21.1 16.8 25.2





#13

Anthracene

Concen: 0.236 ng/ul

RT: 17.16 min Scan# 4619

Delta R.T. -0.03 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

Instrument :

BNA_M

ClientSampleId :

BENT5DL

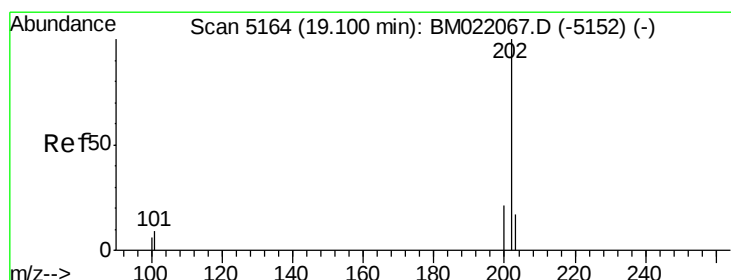
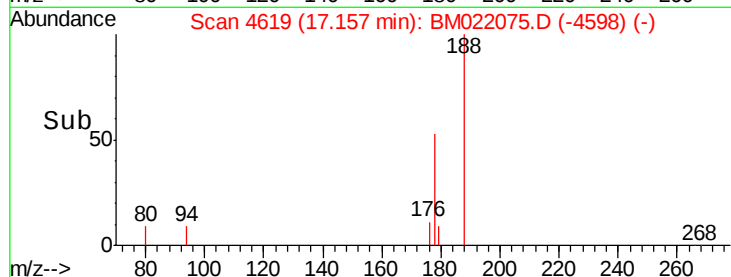
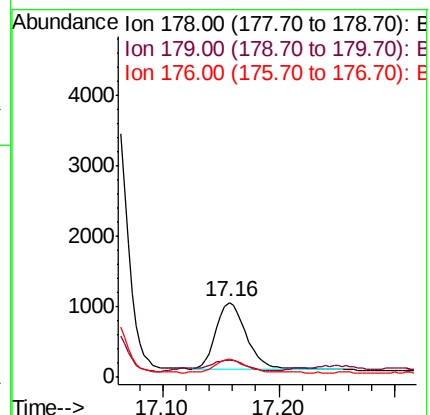
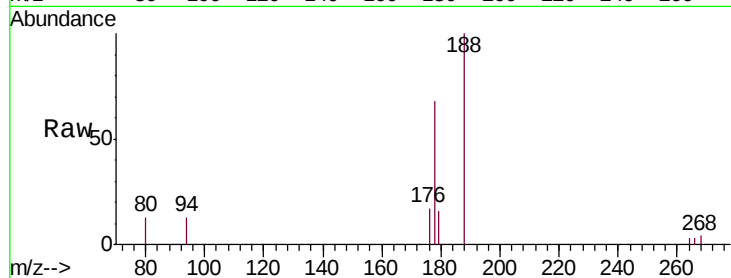
Tgt Ion:178 Resp: 1772

Ion Ratio Lower Upper

178 100

179 23.4 15.5 23.3#

176 25.0 16.6 25.0



#15

Fluoranthene

Concen: 1.234 ng/ul

RT: 19.09 min Scan# 5160

Delta R.T. -0.01 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

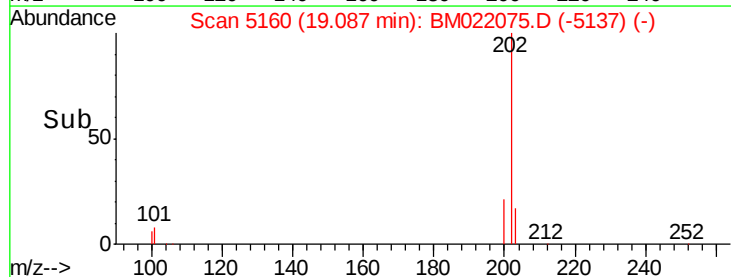
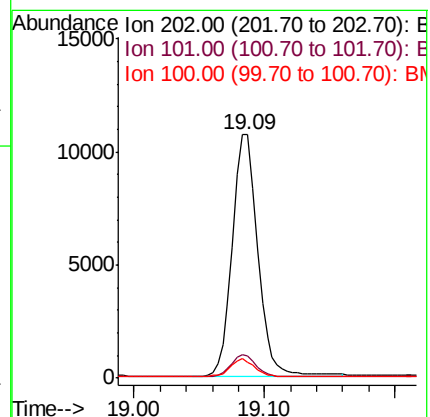
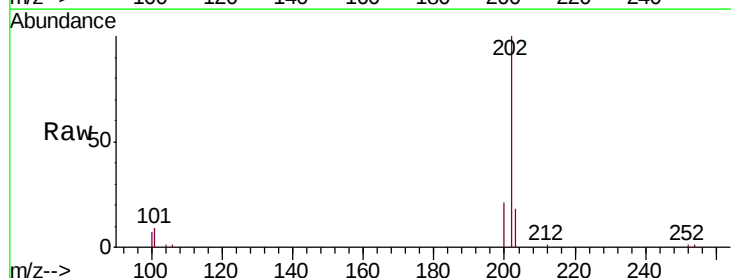
Tgt Ion:202 Resp: 14527

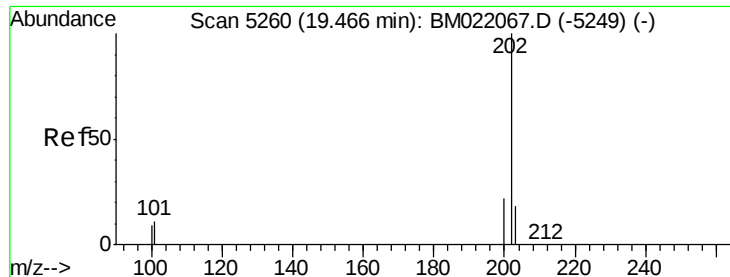
Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.2

100 6.7 0.0 28.1





#17

Pyrene

Concen: 1.299 ng/ul

RT: 19.45 min Scan# 5255

Delta R.T. -0.02 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

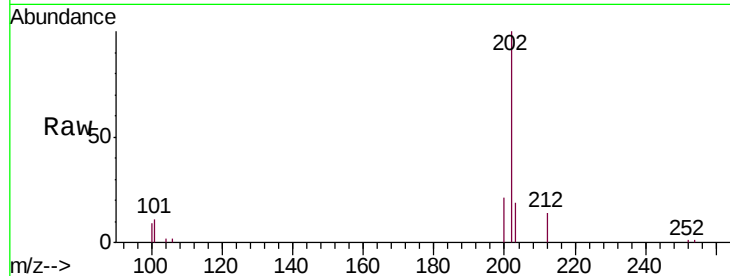
Instrument :

BNA_M

ClientSampleId :

BENT5DL

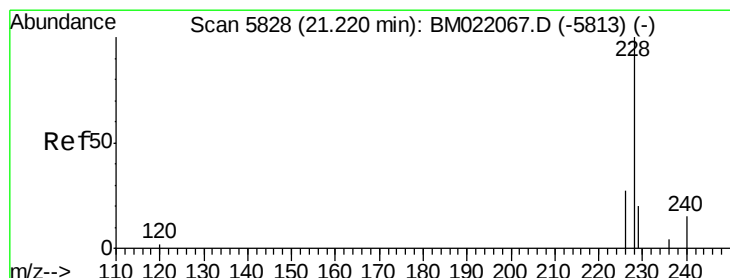
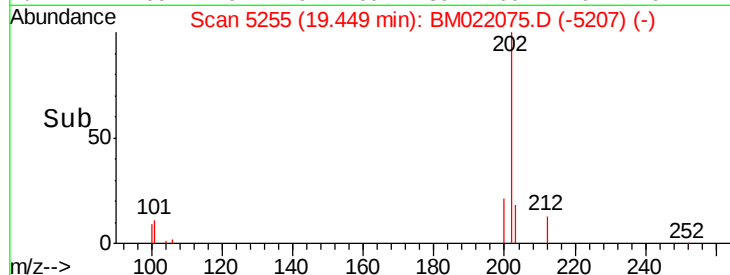
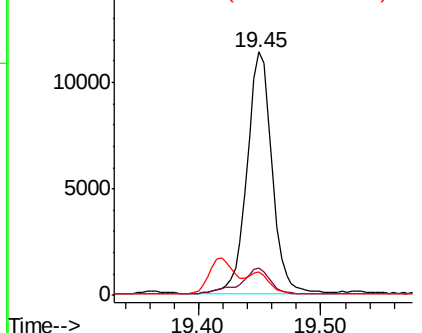
Tgt Ion:	202	Resp:	16167
Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.3	12.5
100	9.4	7.2	10.8



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: 0.648 ng/ul

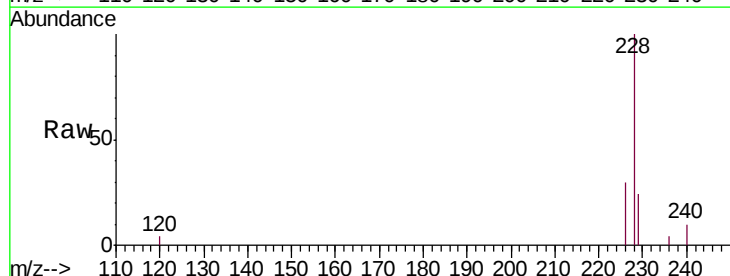
RT: 21.21 min Scan# 5823

Delta R.T. -0.01 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

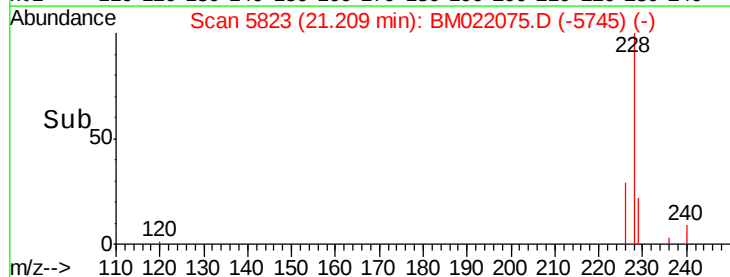
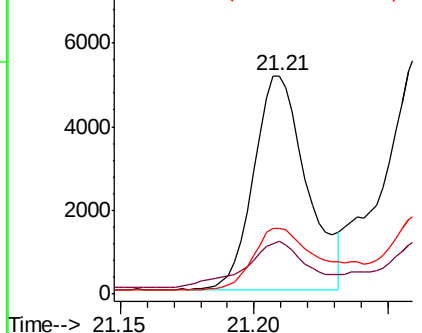
Tgt Ion:	228	Resp:	7025
Ion	Ratio	Lower	Upper
228	100		
229	24.1	17.2	25.8
226	30.4	22.6	34.0

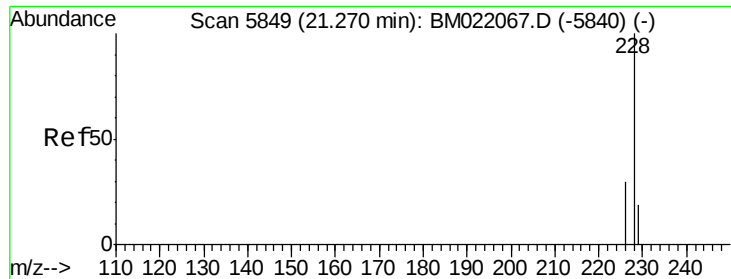


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.659 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.01 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

Instrument :

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ClientSampleId :

BENT5DL

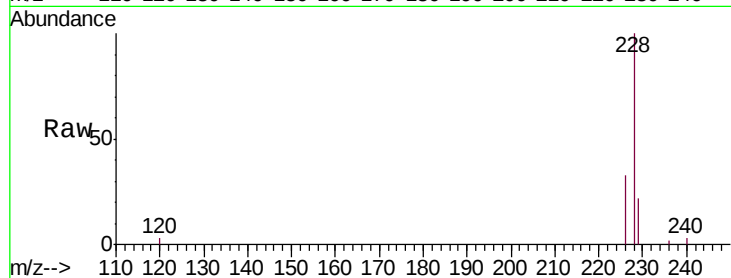
Tgt Ion:228 Resp: 9185

Ion Ratio Lower Upper

228 100

226 32.8 24.9 37.3

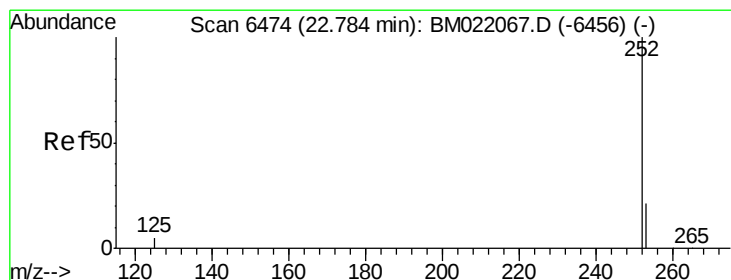
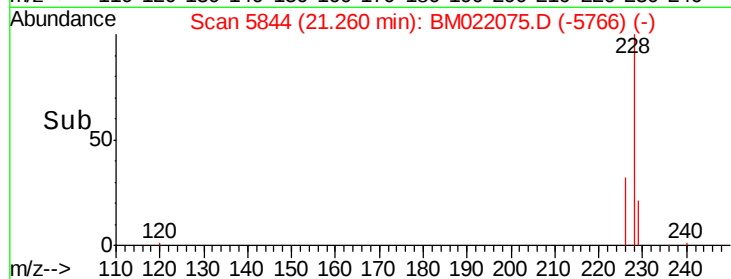
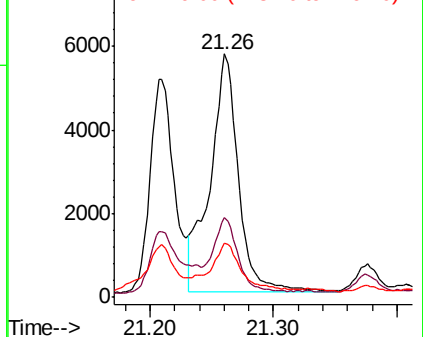
229 22.4 16.6 25.0



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: 1.484 ng/ul

RT: 22.77 min Scan# 6468

Delta R.T. -0.01 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

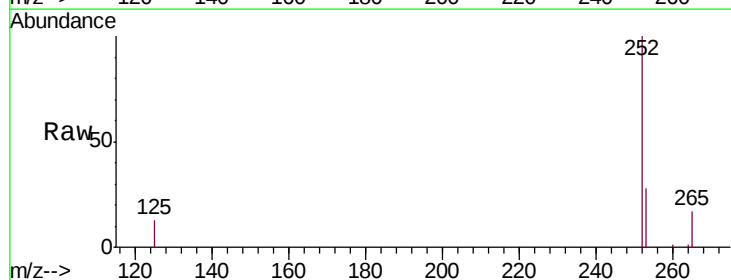
Tgt Ion:252 Resp: 16440

Ion Ratio Lower Upper

252 100

253 27.8 0.0 67.4

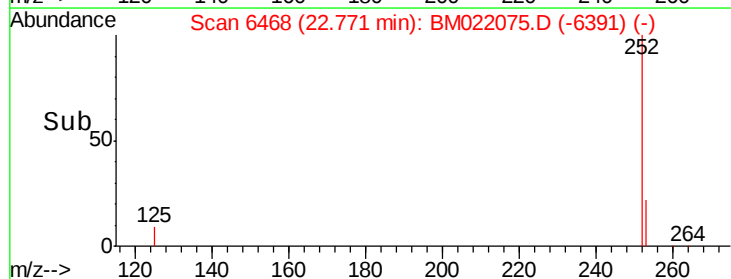
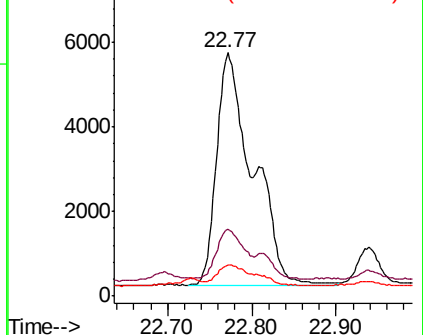
125 12.7 0.0 31.0

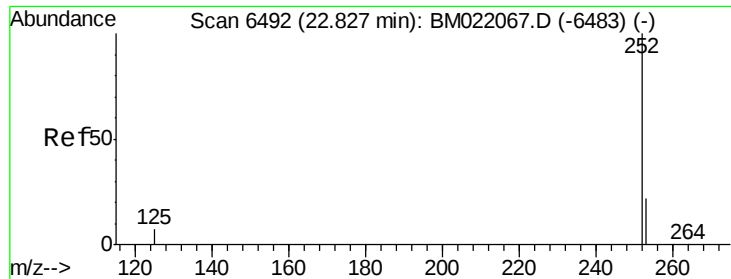


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.311 ng/ul

RT: 22.77 min Scan# 6468

Delta R.T. -0.06 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

Instrument :

BNA_M

ClientSampleId :

BENT5DL

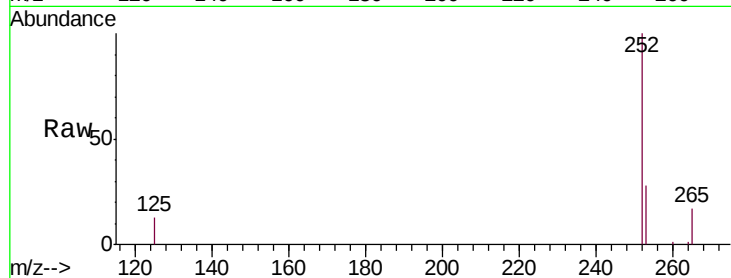
Tgt Ion:252 Resp: 16440

Ion Ratio Lower Upper

252 100

253 27.8 27.0 40.4

125 12.7 12.2 18.2

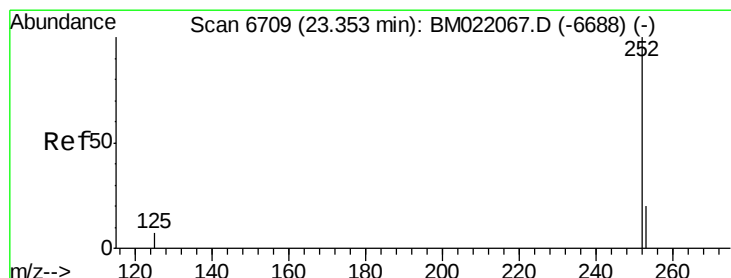
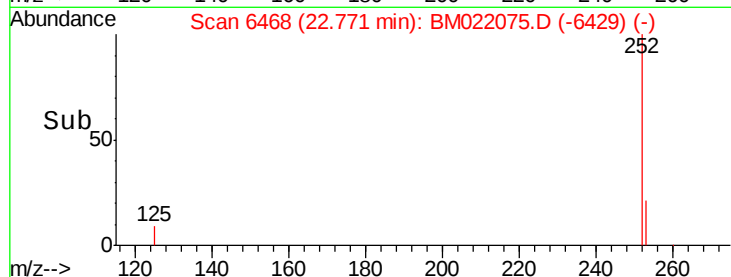
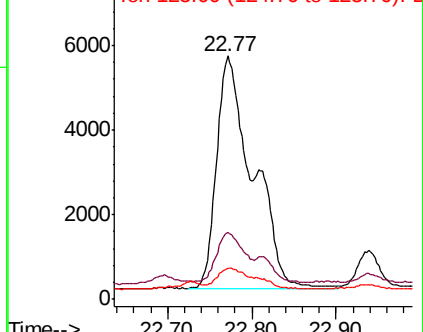


Abundance

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: 0.764 ng/ul

RT: 23.34 min Scan# 6701

Delta R.T. -0.02 min

Lab File: BM022075.D

Acq: 13 Aug 2019 18:11

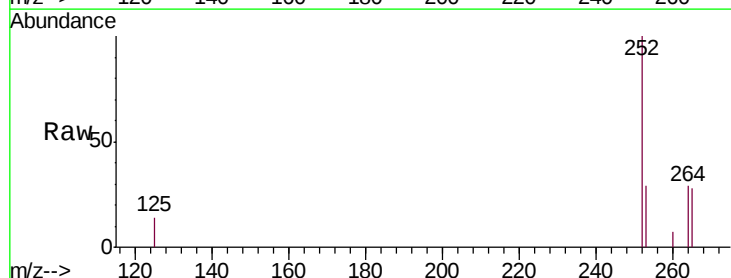
Tgt Ion:252 Resp: 8605

Ion Ratio Lower Upper

252 100

253 29.2 31.7 47.5#

125 13.7 14.6 21.8#

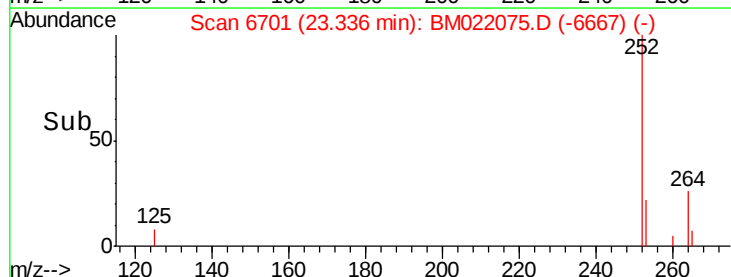
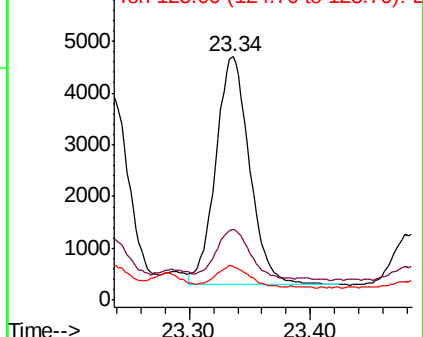


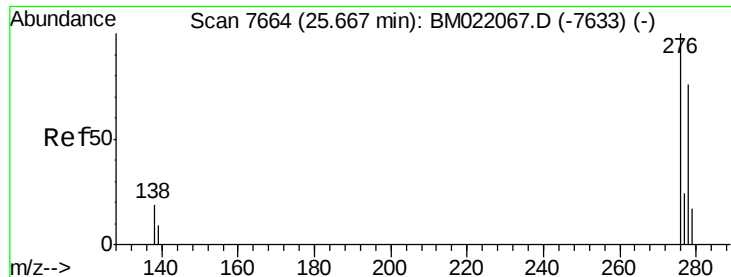
Abundance

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



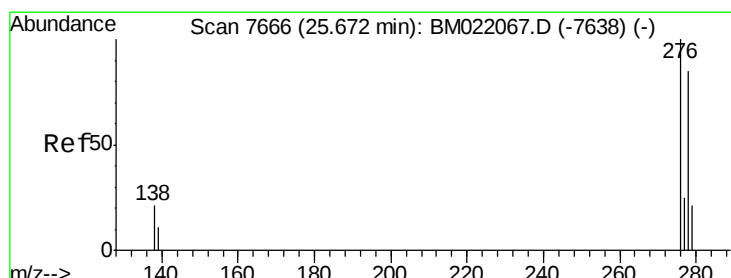
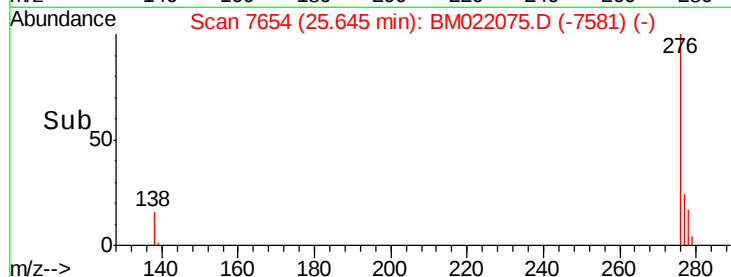
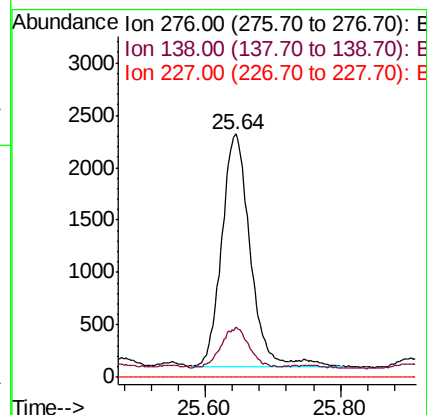
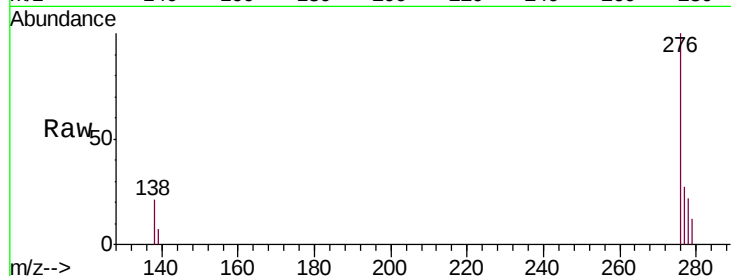


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.481 ng/u1
RT: 25.64 min Scan# 7654
Delta R.T. -0.02 min
Lab File: BM022075.D
Acq: 13 Aug 2019 18:11

Instrument :
BNA_M
ClientSampleId :
BENT5DL

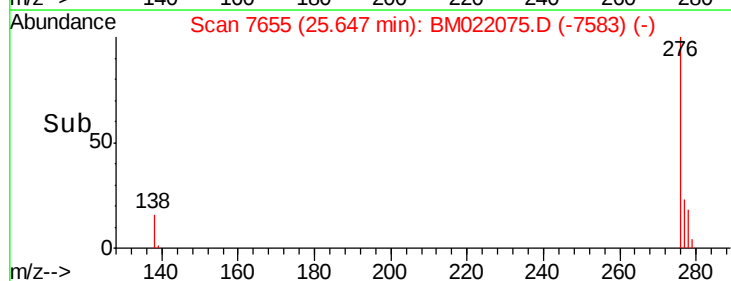
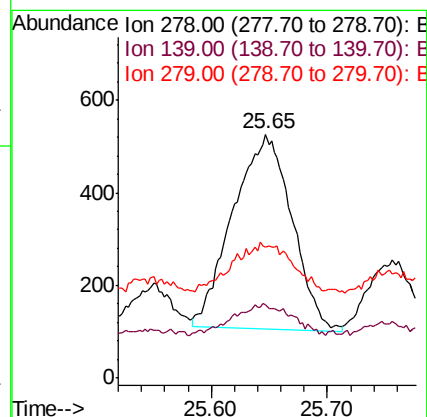
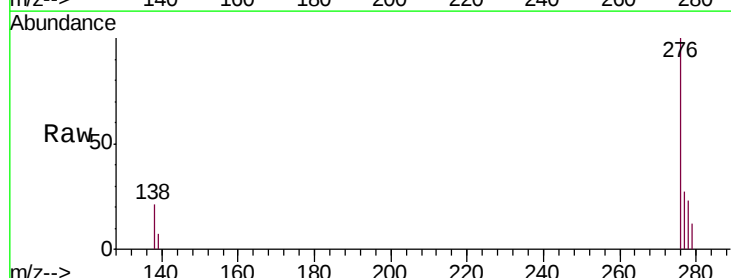
Tgt Ion:276 Resp: 6467
Ion Ratio Lower Upper
276 100
138 16.7 15.1 22.7
227 0.0 0.0 0.0

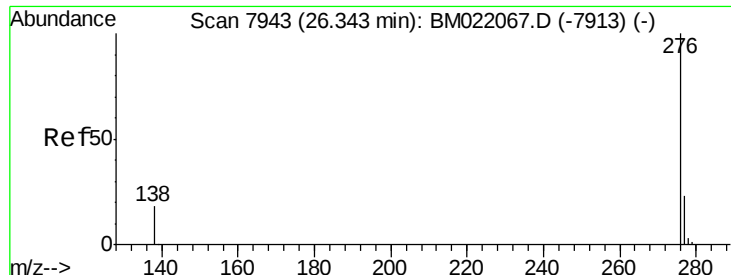


#25

Dibenzo(a,h)anthracene
Concen: 0.136 ng/u1
RT: 25.65 min Scan# 7655
Delta R.T. -0.02 min
Lab File: BM022075.D
Acq: 13 Aug 2019 18:11

Tgt Ion:278 Resp: 1479
Ion Ratio Lower Upper
278 100
139 29.8 14.2 21.2#
279 54.0 28.3 42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.544 ng/ul

RT: 26.32 min Scan# 7934

Delta R.T. -0.02 min

Lab File: BM022075.D

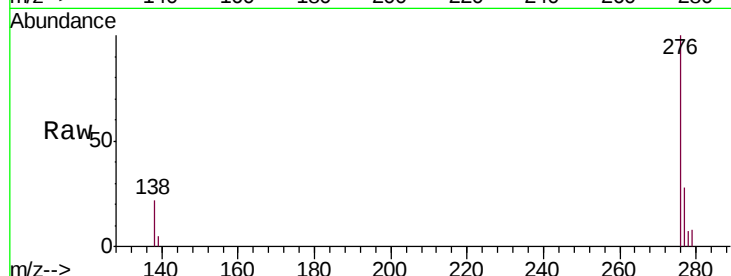
Acq: 13 Aug 2019 18:11

Instrument :

BNA_M

ClientSampleId :

BENT5DL



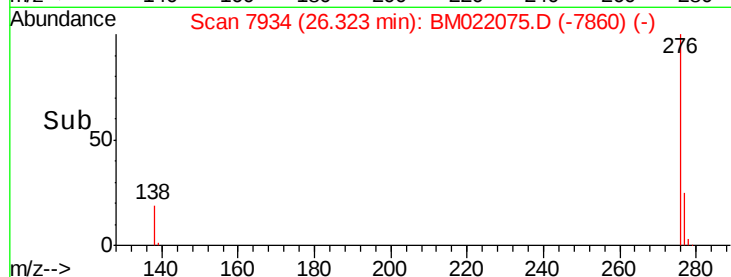
Tgt Ion: 276 Resp: 6592

Ion Ratio Lower Upper

276 100

138 21.8 15.5 23.3

277 27.9 21.4 32.2



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

