

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
 Data File : BN005716.D
 Acq On : 16 May 2019 23:11
 Operator : JU/SJ
 Sample : K2690-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5160

Quant Time: May 17 04:40:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 07:15:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1425	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	5962	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	3934	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.08	188	572601	0.40	ng/ul	0.09
16) Chrysene-d12	21.33	240	115	0.40	ng/ul	0.11
20) Perylene-d12	23.52	264	298	0.40	ng/ul	0.09

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2852	0.31	ng/ul	-0.01
14) Fluoranthene-d10	19.14	212	345	0.00	ng/ul	0.10

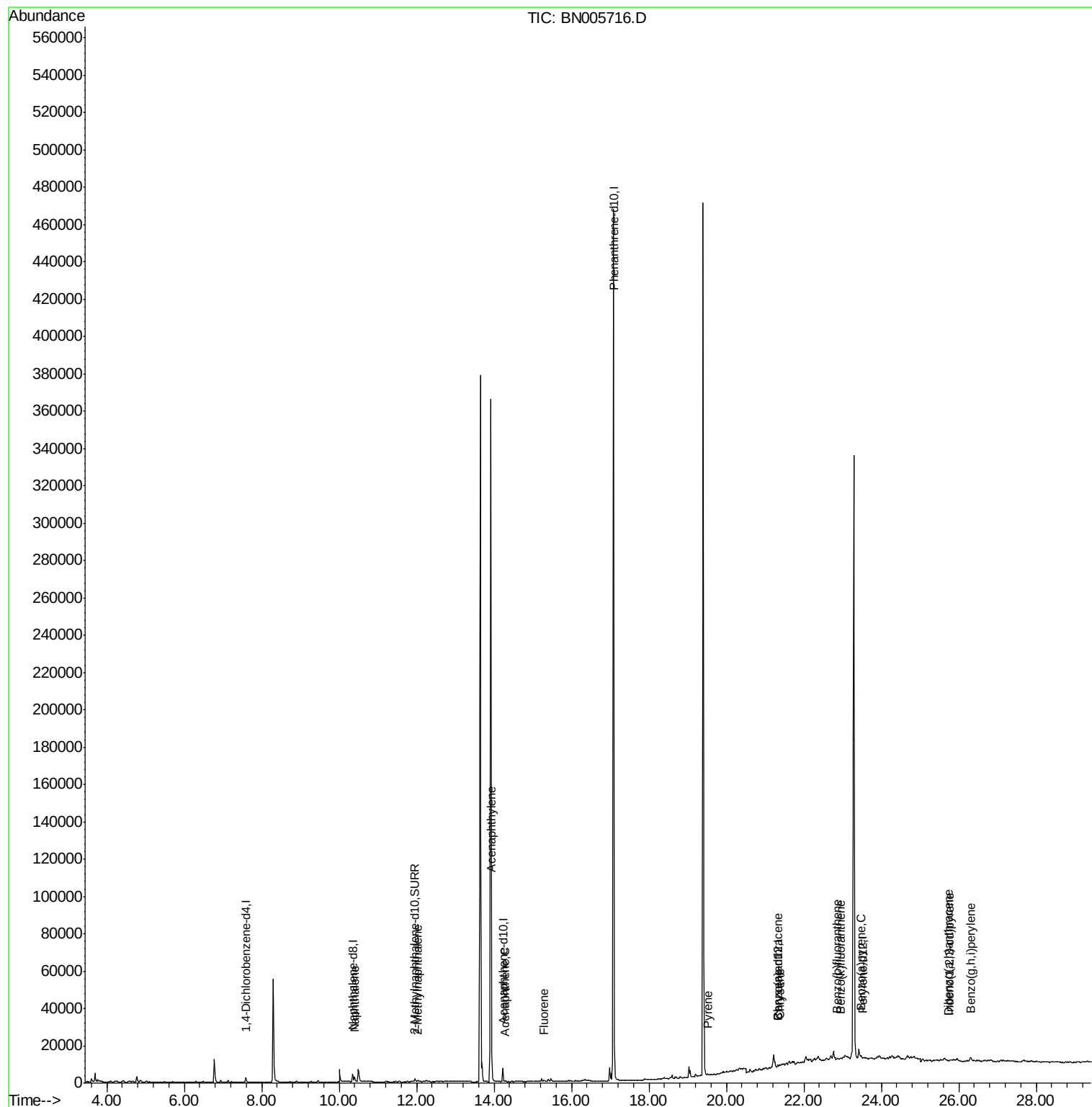
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.39	128	3612	0.229	ng/ul	98
5) 2-Methylnaphthalene	12.03	142	922	0.086	ng/ul	99
7) Acenaphthylene	13.94	152	681	0.034	ng/ul#	71
8) Acenaphthene	14.29	153	416	0.030	ng/ul	90
9) Fluorene	15.29	166	506	0.031	ng/ul#	85
17) Pyrene	19.51	202	488	1.149	ng/ul#	55
18) Benzo(a)anthracene	21.33	228	273	0.689	ng/ul#	1
19) Chrysene	21.37	228	374	0.768	ng/ul#	1
21) Benzo(b)fluoranthene	22.85	252	252	0.281	ng/ul#	1
22) Benzo(k)fluoranthene	22.94	252	162	0.144	ng/ul#	1
23) Benzo(a)pyrene	23.47	252	1218	1.217	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.76	276	93	0.083	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.73	278	52	0.056	ng/ul#	1
26) Benzo(g,h,i)perylene	26.31	276	5104	5.344	ng/ul#	24

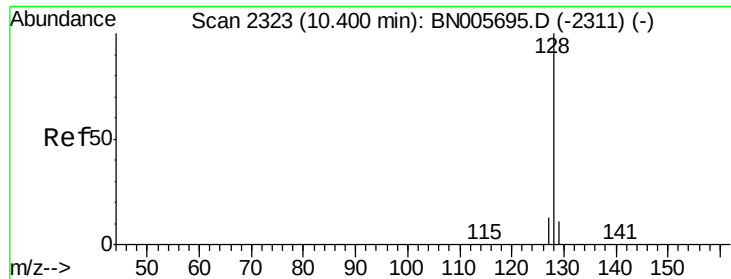
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.229 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

Instrument :

BNA_N

ClientSampleId :

A5160

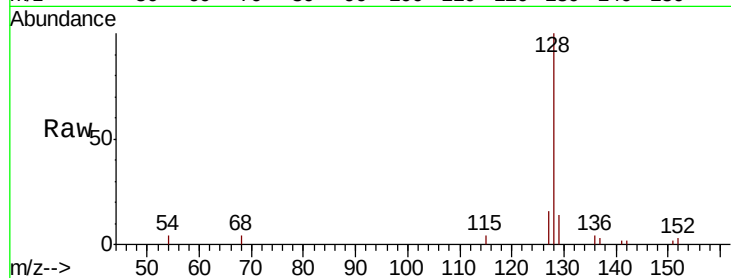
Tgt Ion:128 Resp: 3612

Ion Ratio Lower Upper

128 100

129 14.0 10.2 15.2

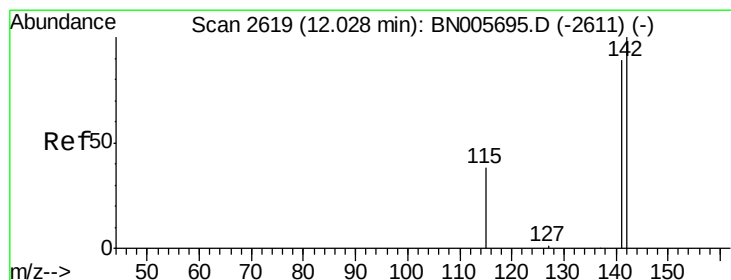
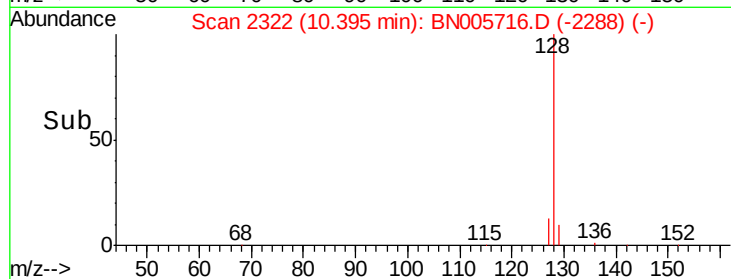
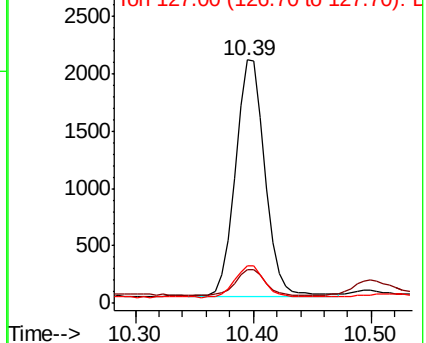
127 15.6 11.8 17.8



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: 0.086 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BN005716.D

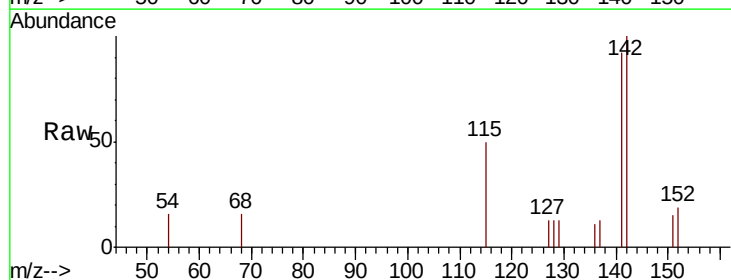
Acq: 16 May 2019 23:11

Tgt Ion:142 Resp: 922

Ion Ratio Lower Upper

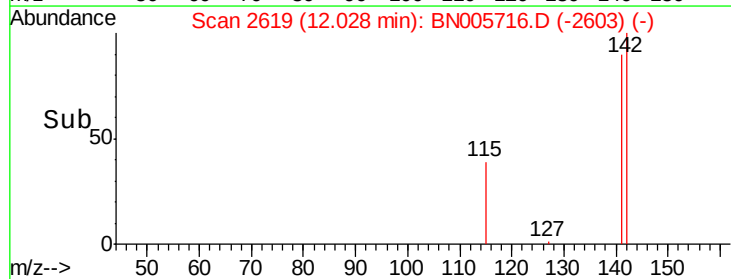
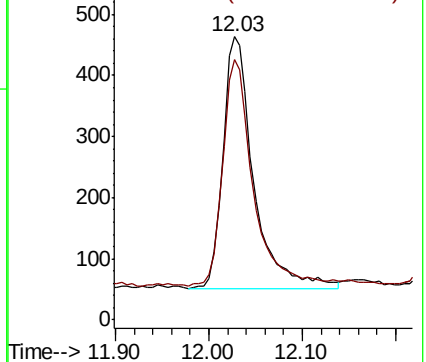
142 100

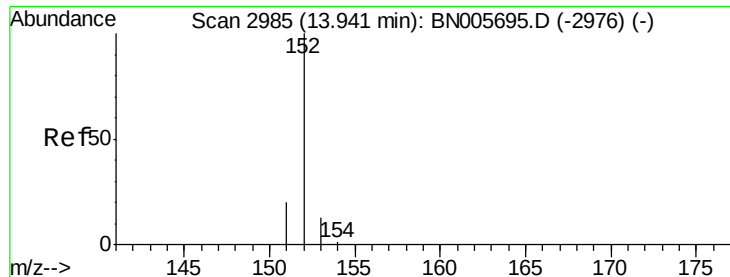
141 91.4 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

Instrument :

BNA_N

ClientSampleId :

A5160

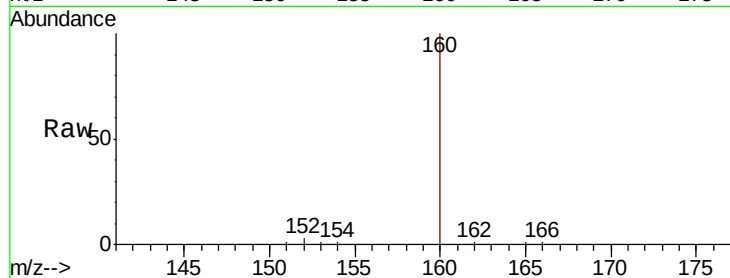
Tgt Ion:152 Resp: 681

Ion Ratio Lower Upper

152 100

151 33.6 16.7 25.1#

153 27.2 11.6 17.4#

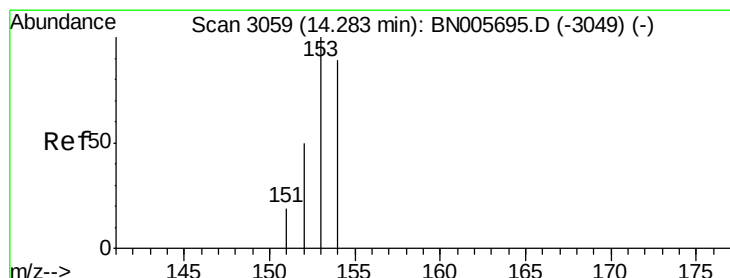
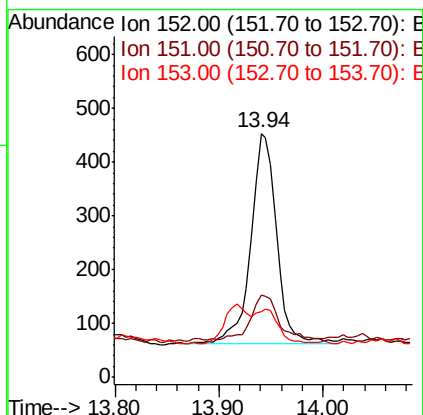
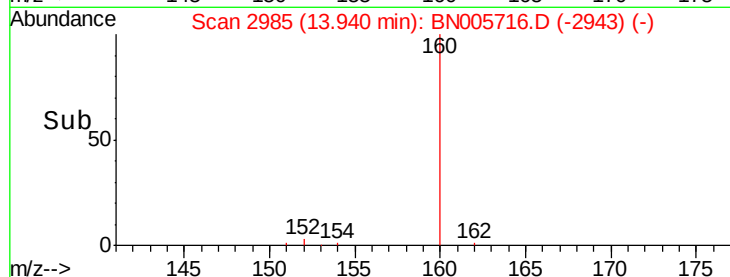


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

13.94



#8

Acenaphthene

Concen: 0.030 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. -0.00 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

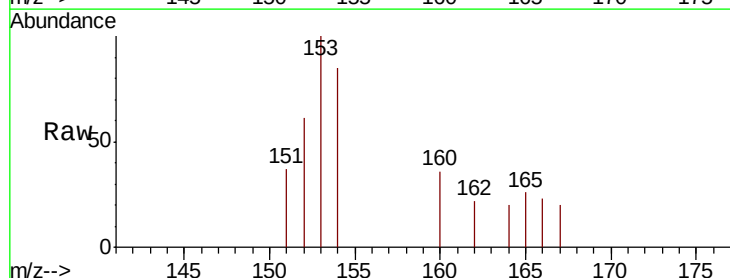
Tgt Ion:153 Resp: 416

Ion Ratio Lower Upper

153 100

152 60.8 40.8 61.2

154 84.8 73.2 109.8

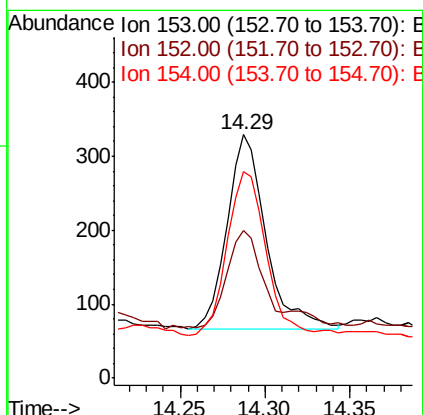
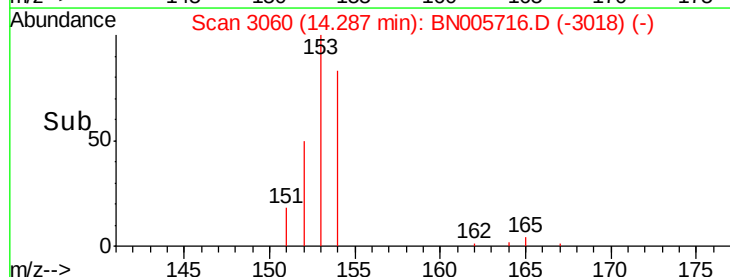


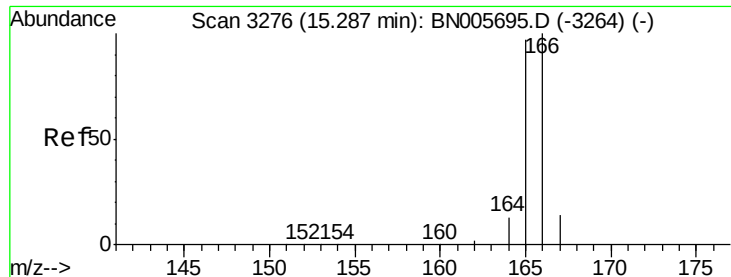
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.29





#9

Fluorene

Concen: 0.031 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.01 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

Instrument :

BNA_N

ClientSampleId :

A5160

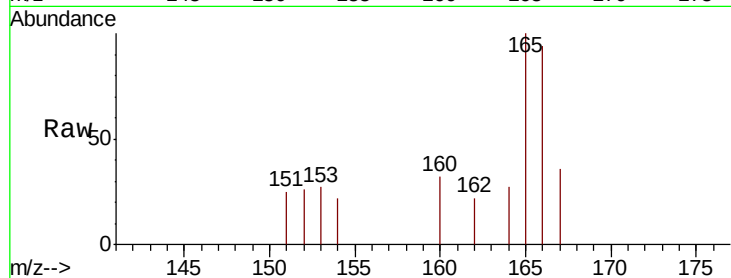
Tgt Ion:166 Resp: 506

Ion Ratio Lower Upper

166 100

165 106.4 78.0 117.0

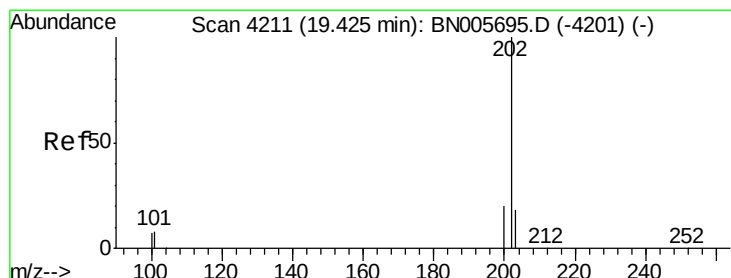
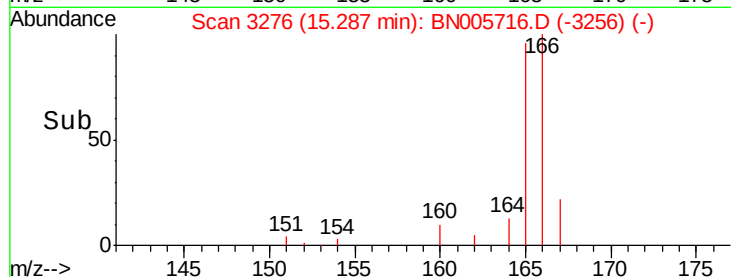
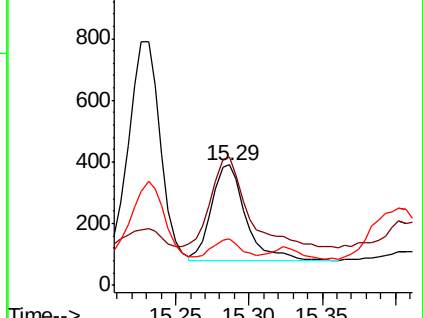
167 38.6 12.2 18.4#



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



#17

Pyrene

Concen: 1.149 ng/ul

RT: 19.51 min Scan# 4230

Delta R.T. 0.08 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

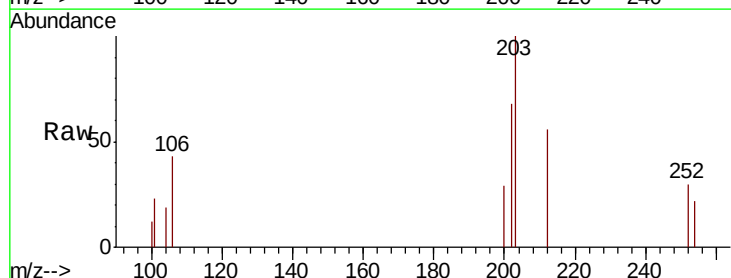
Tgt Ion:202 Resp: 488

Ion Ratio Lower Upper

202 100

101 34.2 8.5 12.7#

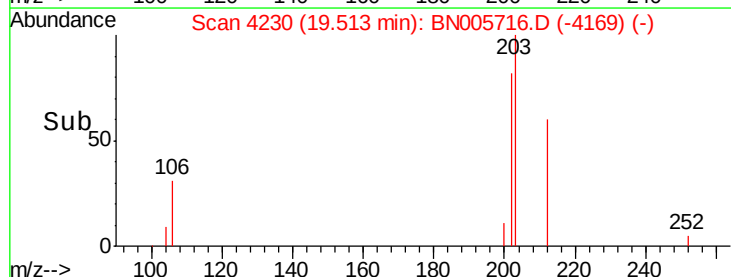
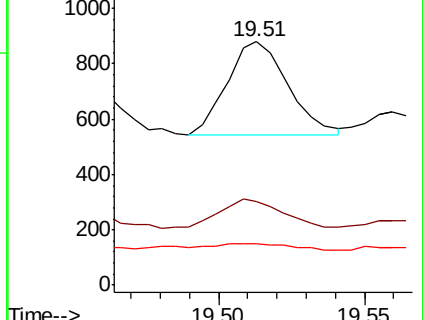
100 17.2 6.9 10.3#

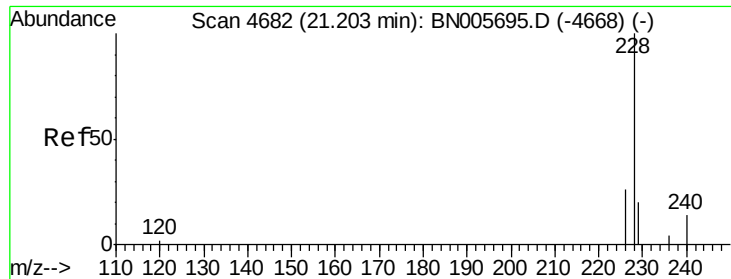


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.689 ng/ul

RT: 21.33 min Scan# 4726

Delta R.T. 0.12 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

Instrument :

BNA_N

ClientSampleId :

A5160

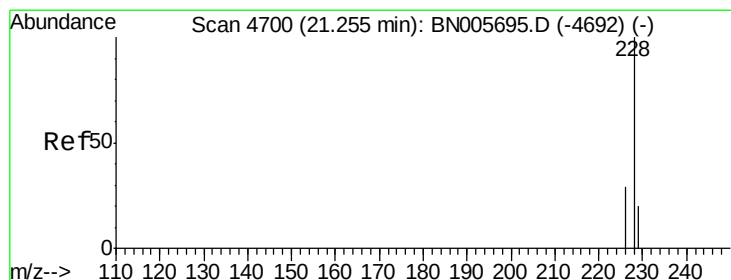
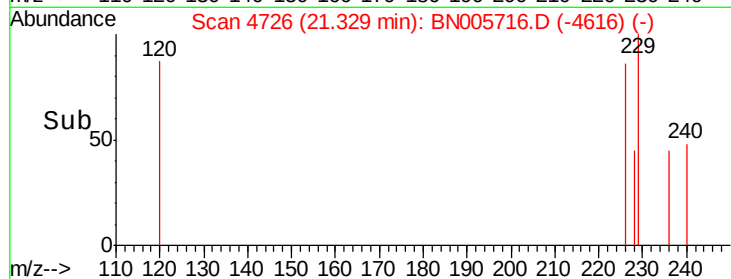
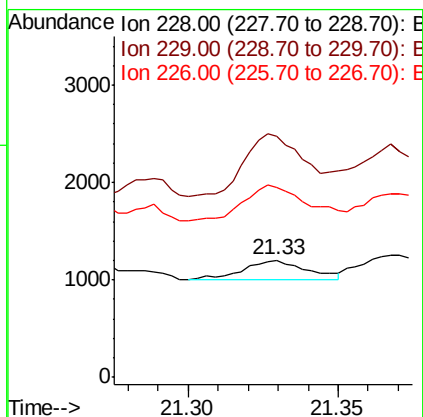
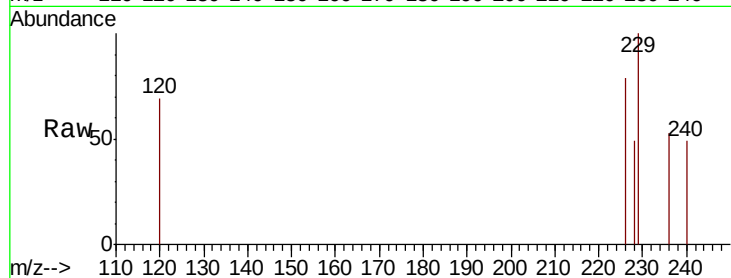
Tgt Ion:228 Resp: 273

Ion Ratio Lower Upper

228 100

229 205.5 15.8 23.8#

226 161.5 21.7 32.5#



#19

Chrysene

Concen: 0.768 ng/ul

RT: 21.37 min Scan# 4739

Delta R.T. 0.11 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

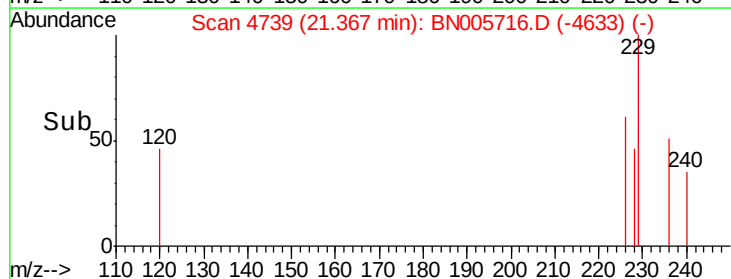
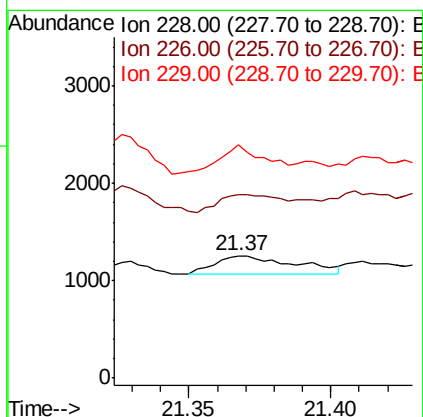
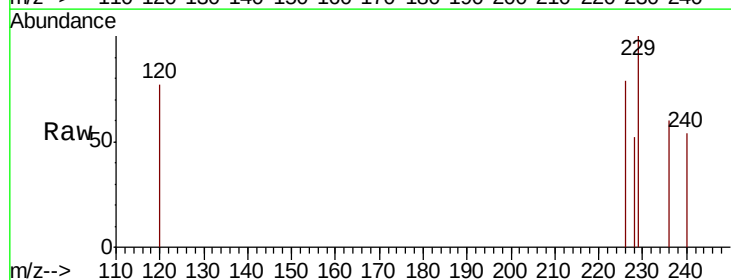
Tgt Ion:228 Resp: 374

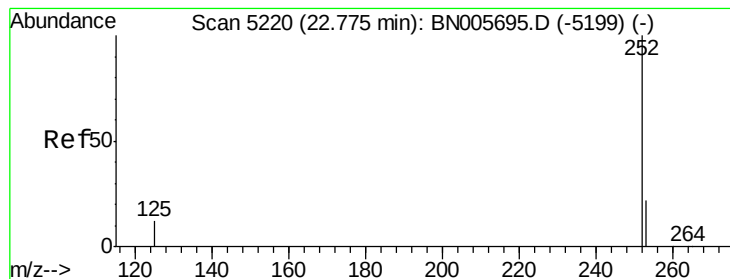
Ion Ratio Lower Upper

228 100

226 150.0 23.2 34.8#

229 190.9 16.0 24.0#





#21

Benzo(b)fluoranthene

Concen: 0.281 ng/ul

RT: 22.85 min Scan# 5247

Delta R.T. 0.08 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

Instrument :

BNA_N

ClientSampleId :

A5160

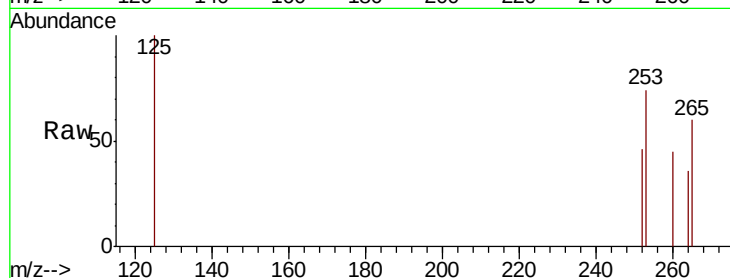
Tgt Ion:252 Resp: 252

Ion Ratio Lower Upper

252 100

253 160.3 0.0 47.6#

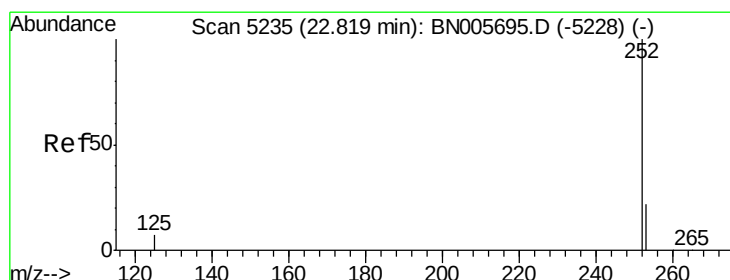
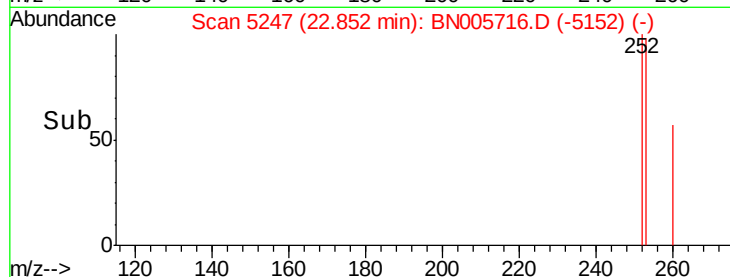
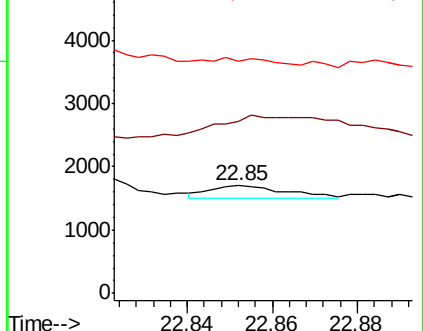
125 215.5 0.0 20.8#



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: 0.144 ng/ul

RT: 22.94 min Scan# 5277

Delta R.T. 0.12 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

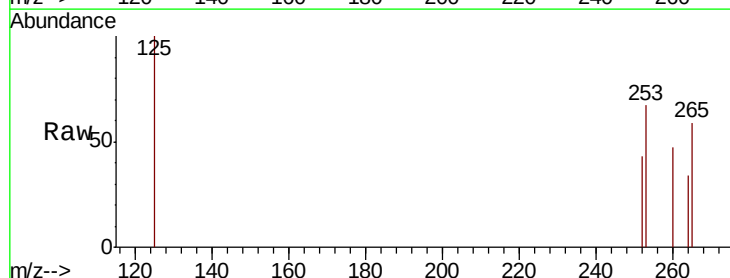
Tgt Ion:252 Resp: 162

Ion Ratio Lower Upper

252 100

253 157.0 18.8 28.2#

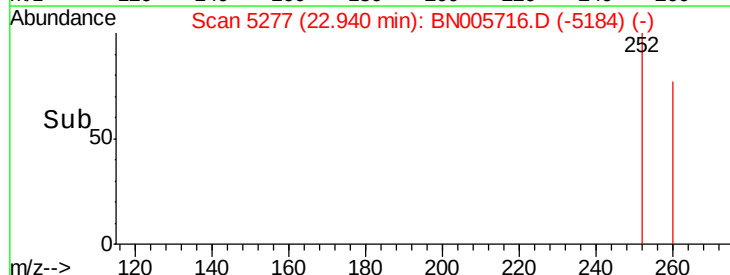
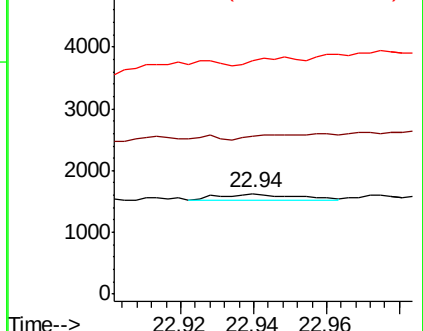
125 232.7 7.6 11.4#

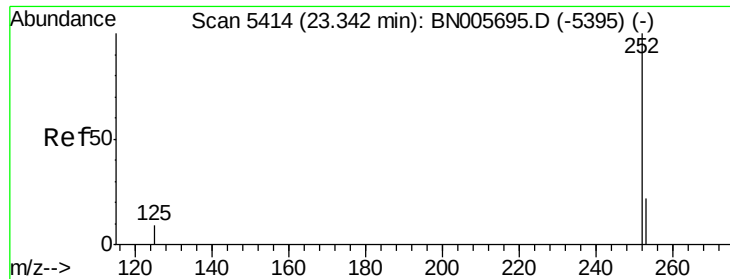


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.217 ng/ul

RT: 23.47 min Scan# 5460

Delta R.T. 0.14 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

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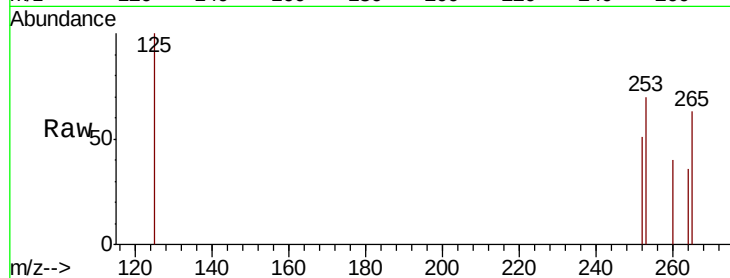
Tgt Ion: 252 Resp: 1218

Ion Ratio Lower Upper

252 100

253 138.5 19.6 29.4#

125 197.0 10.1 15.1#

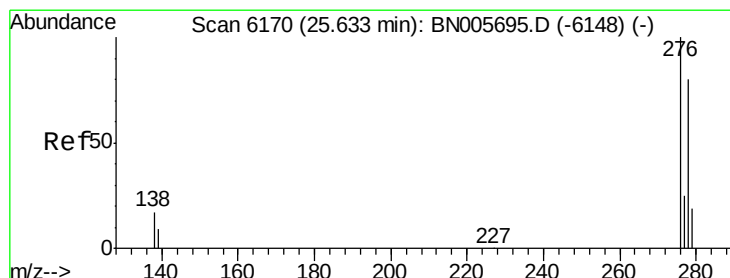
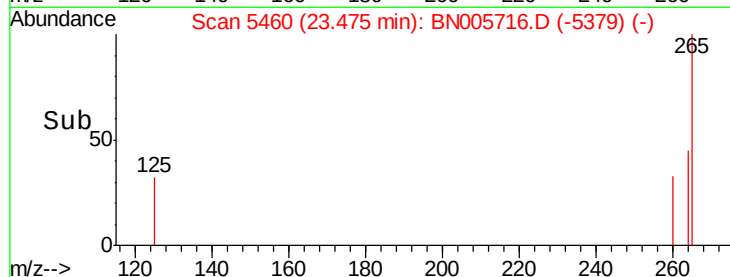
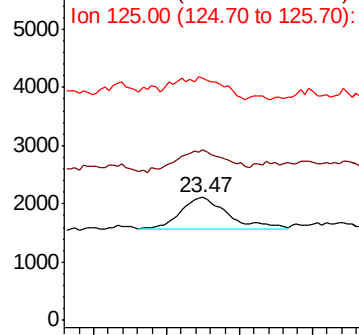


Abundance

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: 0.083 ng/ul

RT: 25.76 min Scan# 6208

Delta R.T. 0.13 min

Lab File: BN005716.D

Acq: 16 May 2019 23:11

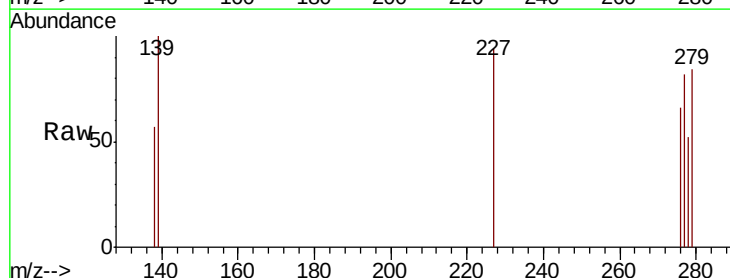
Tgt Ion: 276 Resp: 93

Ion Ratio Lower Upper

276 100

138 16.1 15.8 23.8

227 29.0 0.1 0.1#

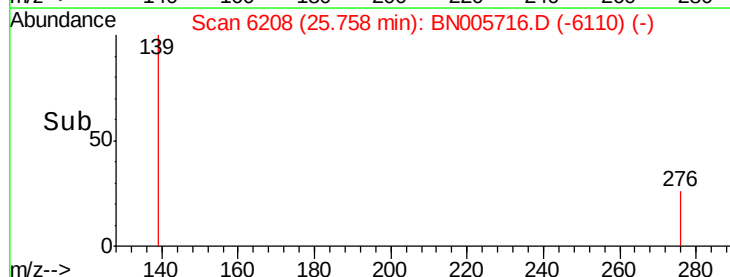
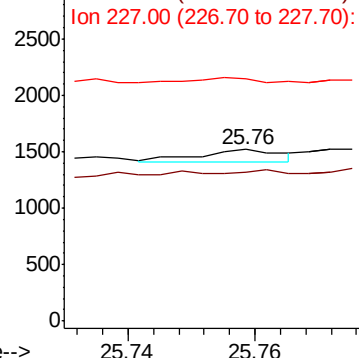


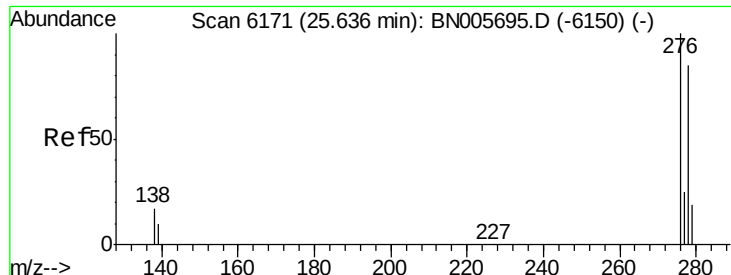
Abundance

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

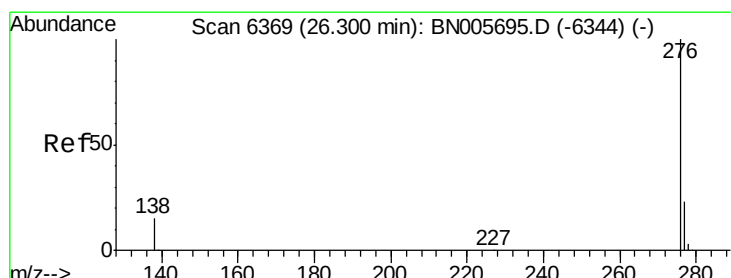
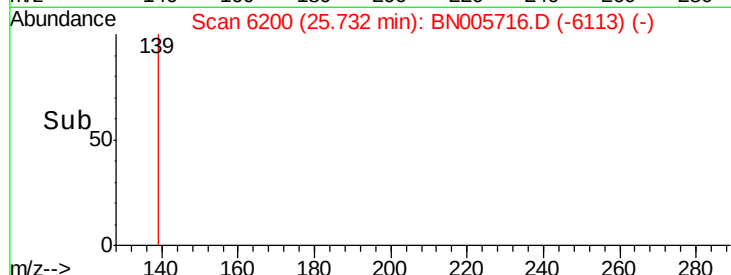
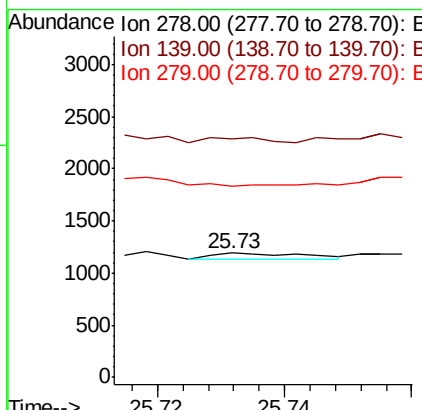
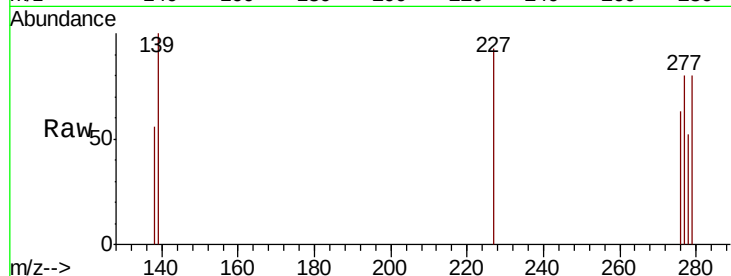




#25
Dibenzo(a,h)anthracene
Concen: 0.056 ng/ul
RT: 25.73 min Scan# 6200
Delta R.T. 0.09 min
Lab File: BN005716.D
Acq: 16 May 2019 23:11

Instrument :
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A5160

Tgt Ion: 278 Resp: 52
Ion Ratio Lower Upper
278 100
139 191.8 12.4 18.6#
279 153.9 21.0 31.4#



#26
Benzo(g,h,i)perylene
Concen: 5.344 ng/ul
RT: 26.31 min Scan# 6371
Delta R.T. 0.00 min
Lab File: BN005716.D
Acq: 16 May 2019 23:11

Tgt Ion: 276 Resp: 5104
Ion Ratio Lower Upper
276 100
138 47.3 15.6 23.4#
277 70.6 20.6 31.0#

