

Data File : BN005489.D
Acq On : 06 May 2019 17:36
Operator : JU/SJ
Sample : SST00.158
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.158

Quant Time: May 07 02:50:46 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 07 02:47:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1413	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	4966	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.26	164	3010	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.03	188	7548	0.40	ng/ul	0.03
16) Chrysene-d12	21.24	240	8532	0.40	ng/ul	0.02
20) Perylene-d12	23.46	264	10402	0.40	ng/ul	0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	717	0.09	ng/ul	0.07
14) Fluoranthene-d10	19.06	212	2320	0.11	ng/ul	0.02

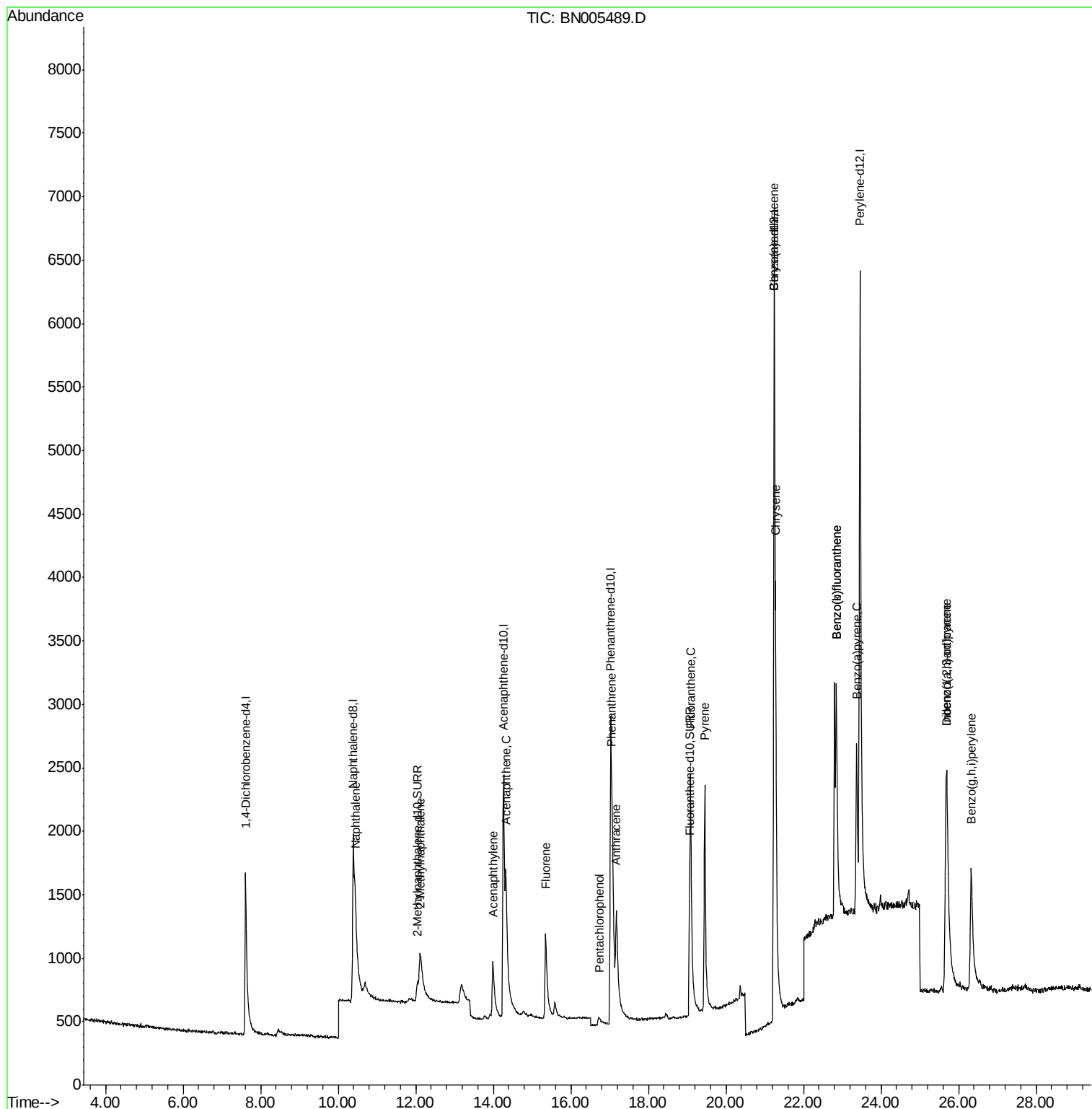
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	1355	0.100	ng/ul#	68
5) 2-Methylnaphthalene	12.12	142	820	0.086	ng/ul	97
7) Acenaphthylene	13.99	152	1466	0.097	ng/ul#	81
8) Acenaphthene	14.32	153	1071	0.096	ng/ul	95
9) Fluorene	15.35	166	1196	0.093	ng/ul#	94
11) Pentachlorophenol	16.72	266	133	0.073	ng/ul#	87
12) Phenanthrene	17.07	178	1953	0.085	ng/ul#	85
13) Anthracene	17.17	178	1916	0.090	ng/ul#	84
15) Fluoranthene	19.09	202	2808	0.105	ng/ul	87
17) Pyrene	19.45	202	3152	0.089	ng/ul#	91
18) Benzo(a)anthracene	21.23	228	2724	0.085	ng/ul#	92
19) Chrysene	21.28	228	3906	0.115	ng/ul#	92
21) Benzo(b)fluoranthene	22.85	252	3937	0.103	ng/ul	78
22) Benzo(k)fluoranthene	22.85	252	3895	0.099	ng/ul#	77
23) Benzo(a)pyrene	23.37	252	3474	0.098	ng/ul#	72
24) Indeno(1,2,3-cd)pyrene	25.67	276	3897	0.099	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.69	278	3289	0.102	ng/ul#	73
26) Benzo(g,h,i)perylene	26.33	276	3521	0.106	ng/ul#	84

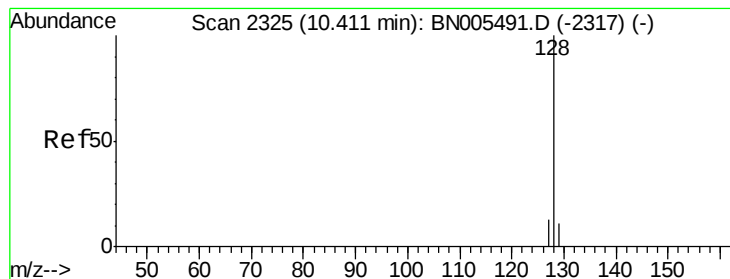
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.100 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.03 min

Lab File: BN005489.D

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Instrument :

BNA_N

ClientSampleId :

SSTD0.158

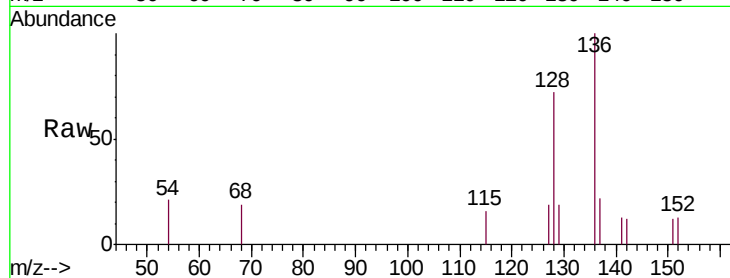
Tgt Ion:128 Resp: 1355

Ion Ratio Lower Upper

128 100

129 26.9 10.2 15.2#

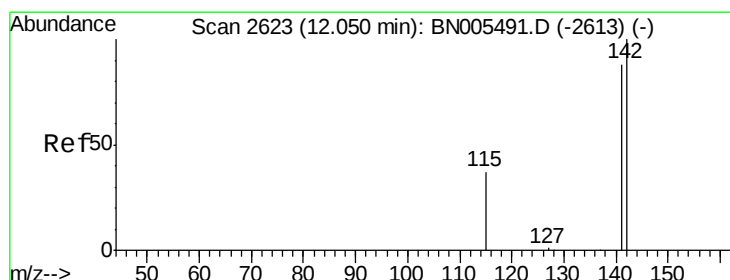
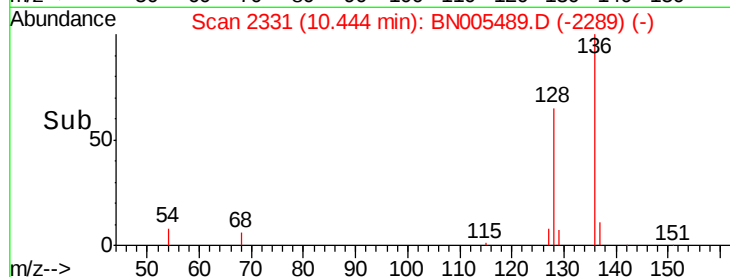
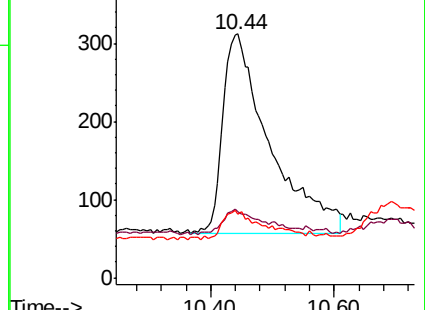
127 26.3 11.8 17.8#



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: 12.12 min Scan# 2635

Delta R.T. 0.07 min

Lab File: BN005489.D

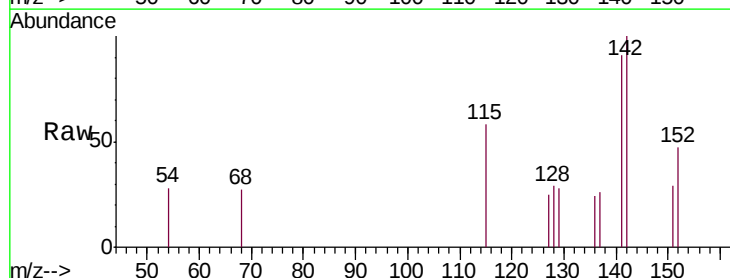
Acq: 06 May 2019 17:36

Tgt Ion:142 Resp: 820

Ion Ratio Lower Upper

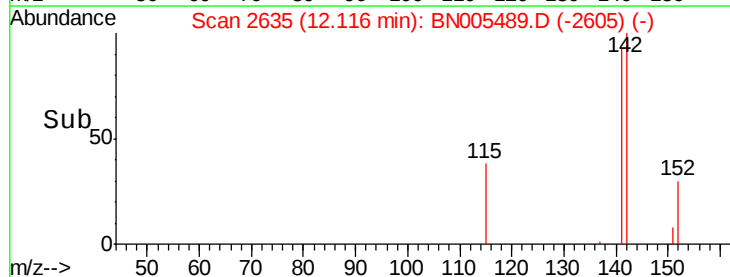
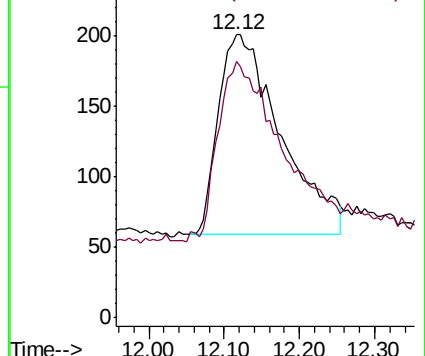
142 100

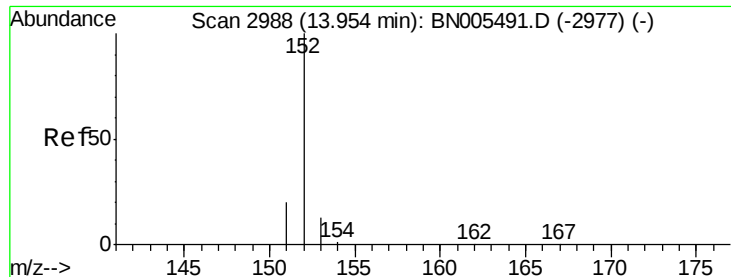
141 92.7 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.097 ng/ul

RT: 13.99 min Scan# 2995

Delta R.T. 0.03 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

Instrument :

BNA_N

ClientSampleId :

SSTD0.158

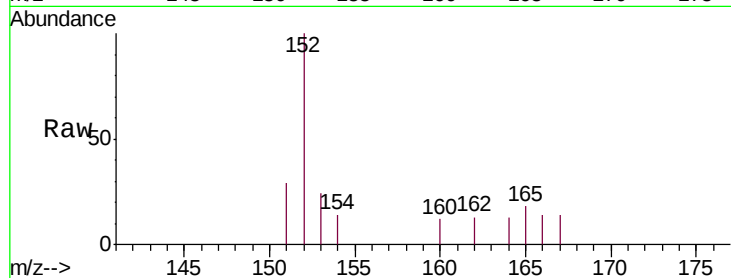
Tgt Ion:152 Resp: 1466

Ion Ratio Lower Upper

152 100

151 28.8 16.7 25.1#

153 23.7 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

13.99

400

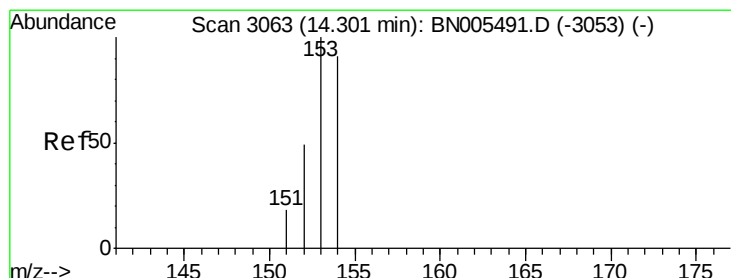
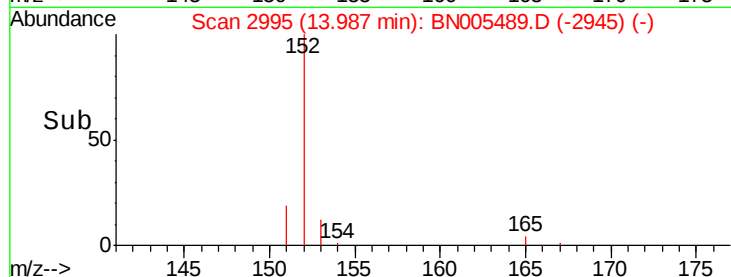
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.096 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. 0.02 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

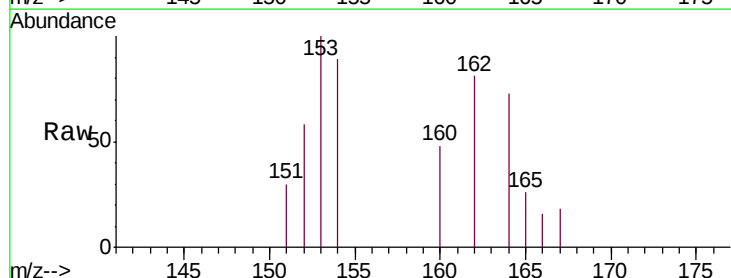
Tgt Ion:153 Resp: 1071

Ion Ratio Lower Upper

153 100

152 58.2 40.8 61.2

154 89.1 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

14.32

400

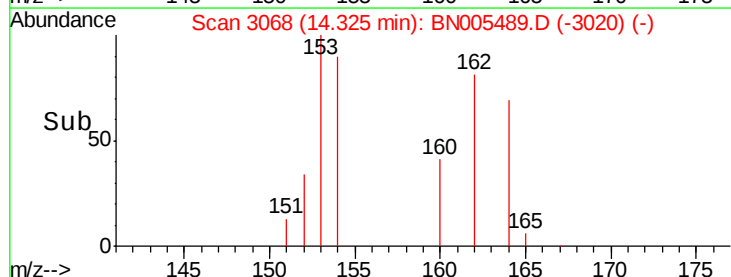
300

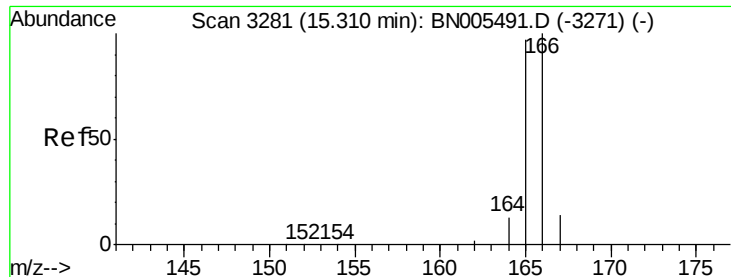
200

100

0

Time-->





#9

Fluorene

Concen: 0.093 ng/ul

RT: 15.35 min Scan# 3289

Delta R.T. 0.04 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

Instrument :

BNA_N

ClientSampleId :

SSTD0.158

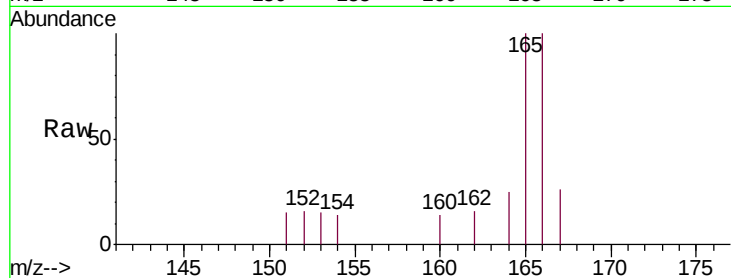
Tgt Ion:166 Resp: 1196

Ion Ratio Lower Upper

166 100

165 99.7 78.0 117.0

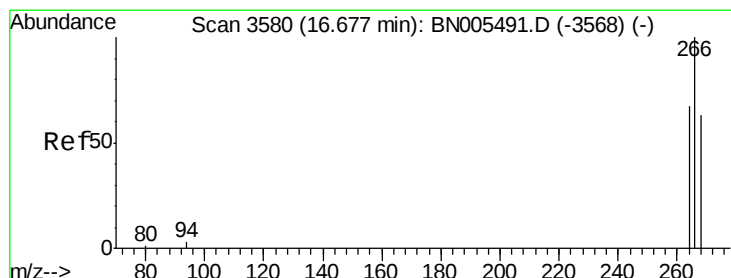
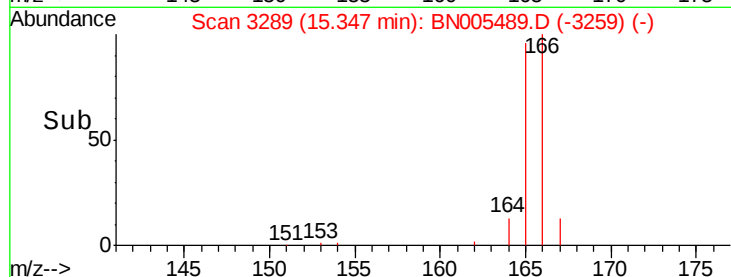
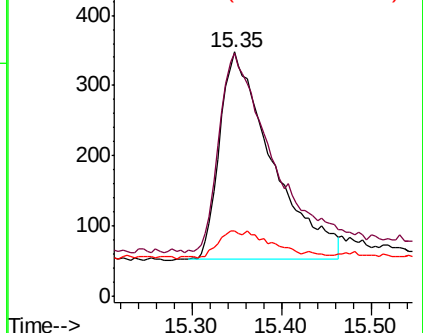
167 26.4 12.2 18.4#



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



#11

Pentachlorophenol

Concen: 0.073 ng/ul

RT: 16.72 min Scan# 3591

Delta R.T. 0.05 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

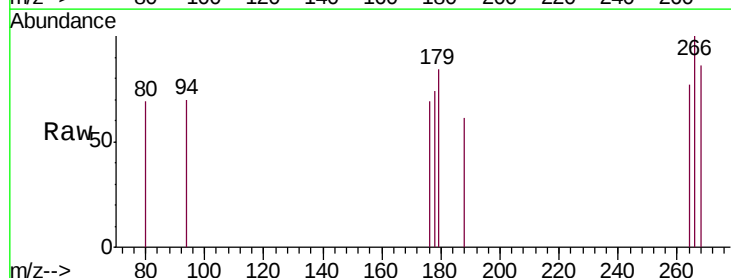
Tgt Ion:266 Resp: 133

Ion Ratio Lower Upper

266 100

264 66.2 55.3 82.9

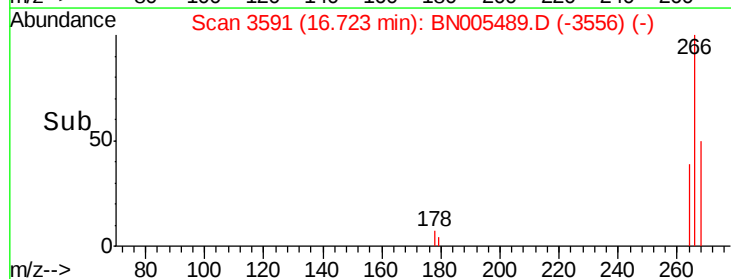
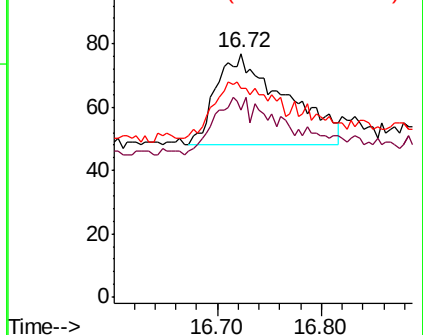
268 52.6 56.7 85.1#

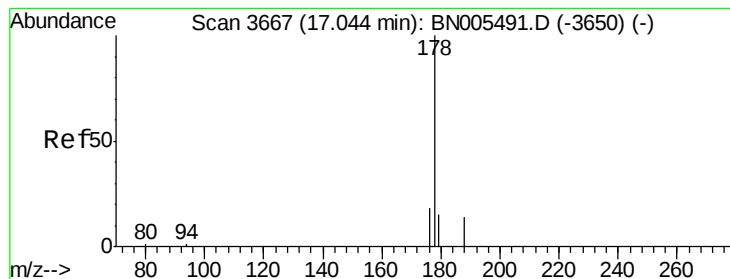


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.085 ng/u1

RT: 17.07 min Scan# 3672

Delta R.T. 0.02 min

Lab File: BN005489.D

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SSTD0.158

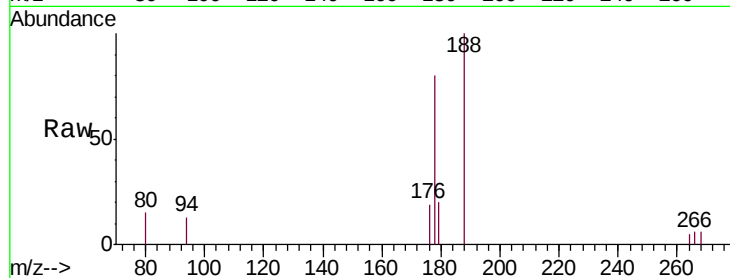
Tgt Ion:178 Resp: 1953

Ion Ratio Lower Upper

178 100

179 24.5 12.8 19.2#

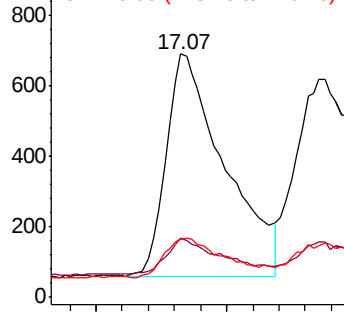
176 23.8 15.3 22.9#



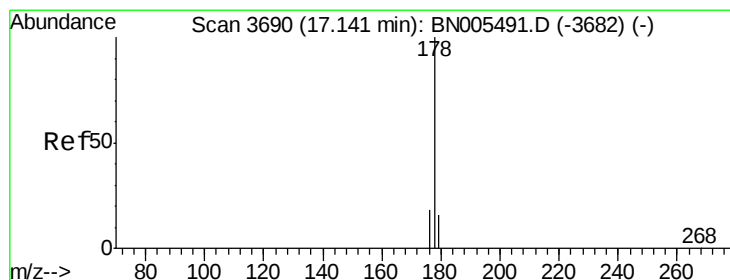
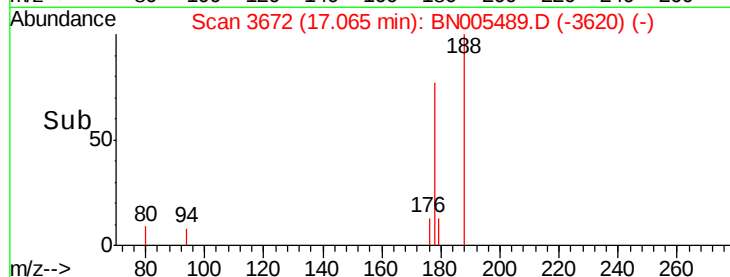
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.090 ng/u1

RT: 17.17 min Scan# 3698

Delta R.T. 0.03 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

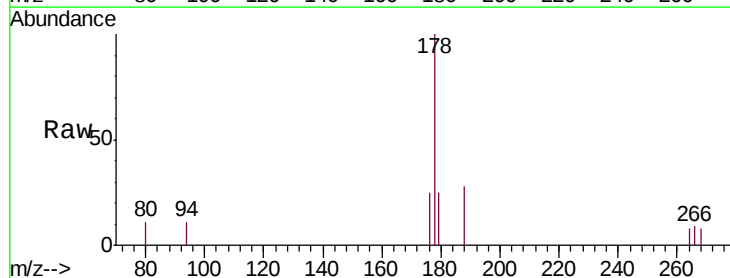
Tgt Ion:178 Resp: 1916

Ion Ratio Lower Upper

178 100

179 25.4 13.4 20.2#

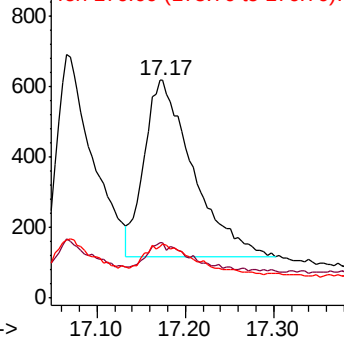
176 24.8 15.1 22.7#



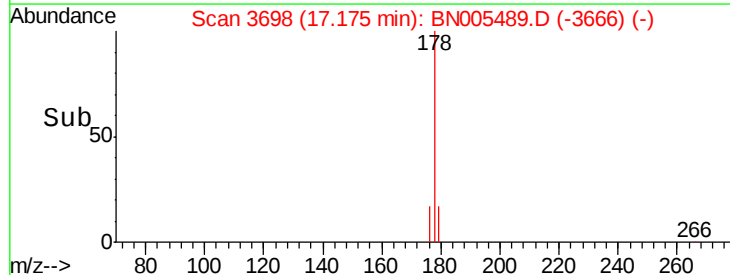
Abundance Ion 178.00 (177.70 to 178.70): E

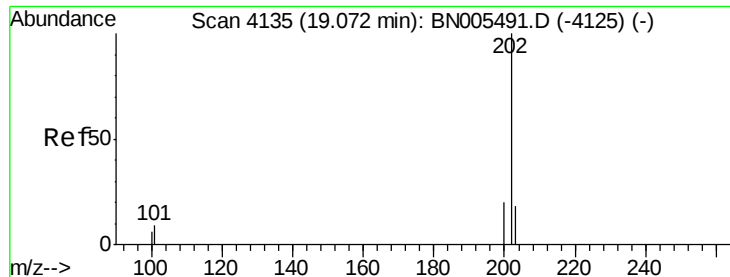
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#15

Fluoranthene

Concen: 0.105 ng/ul

RT: 19.09 min Scan# 4138

Delta R.T. 0.01 min

Lab File: BN005489.D

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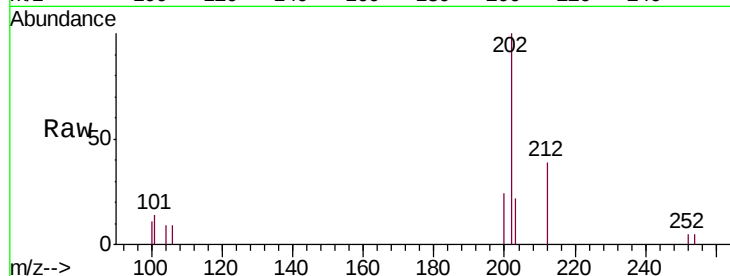
Tgt Ion:202 Resp: 2808

Ion Ratio Lower Upper

202 100

101 14.3 0.0 29.4

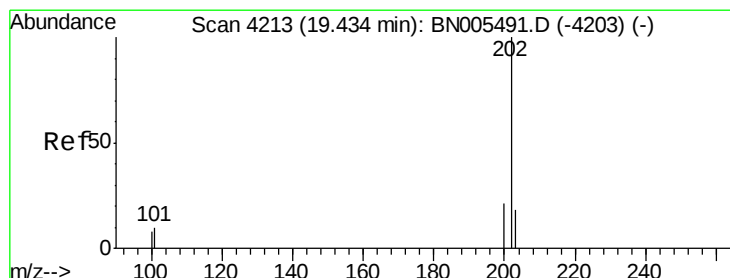
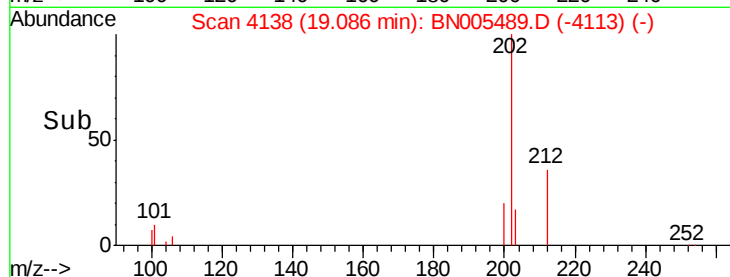
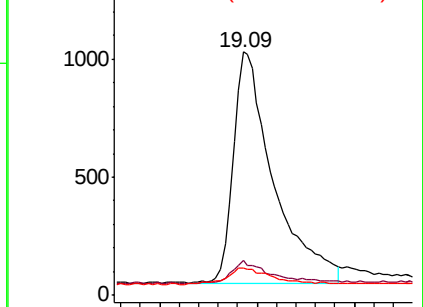
100 11.4 0.0 27.1



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: 0.089 ng/ul

RT: 19.45 min Scan# 4217

Delta R.T. 0.02 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

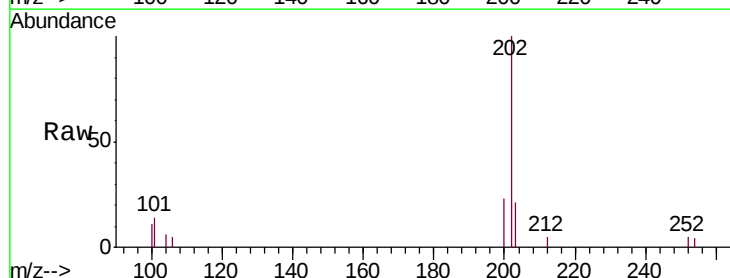
Tgt Ion:202 Resp: 3152

Ion Ratio Lower Upper

202 100

101 14.2 8.5 12.7#

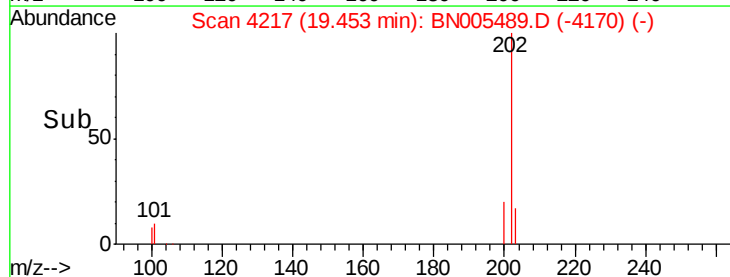
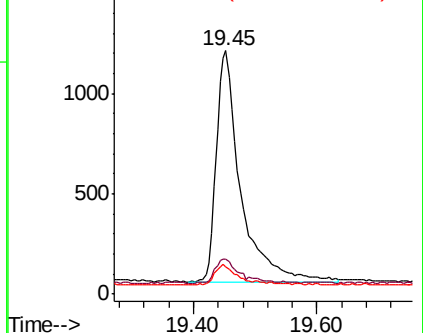
100 11.3 6.9 10.3#

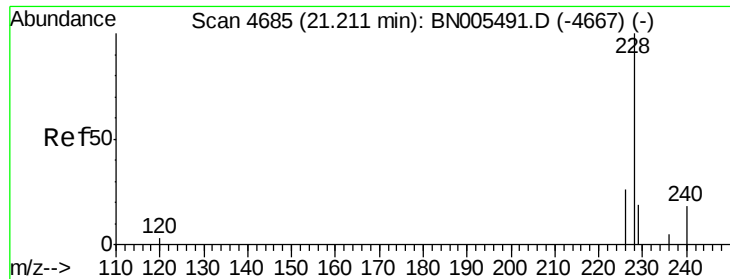


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.085 ng/ul

RT: 21.23 min Scan# 4692

Delta R.T. 0.02 min

Lab File: BN005489.D

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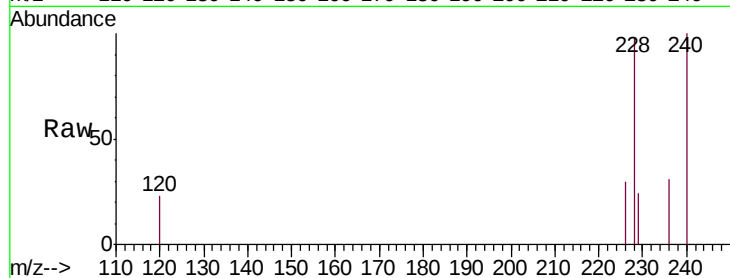
Tgt Ion:228 Resp: 2724

Ion Ratio Lower Upper

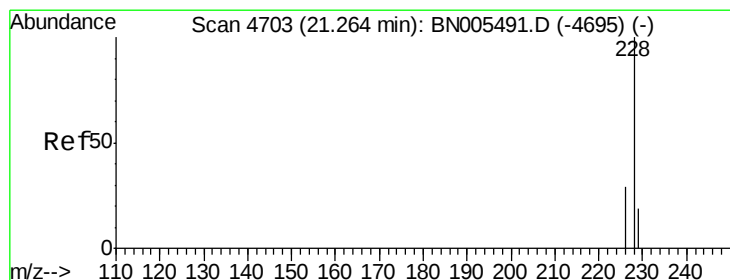
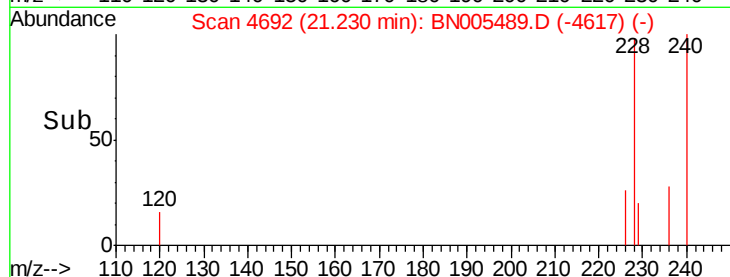
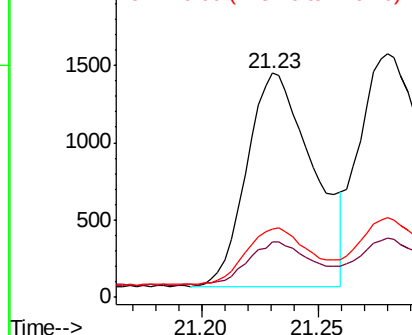
228 100

229 24.6 15.8 23.8#

226 30.5 21.7 32.5



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: 0.115 ng/ul

RT: 21.28 min Scan# 4709

Delta R.T. 0.02 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

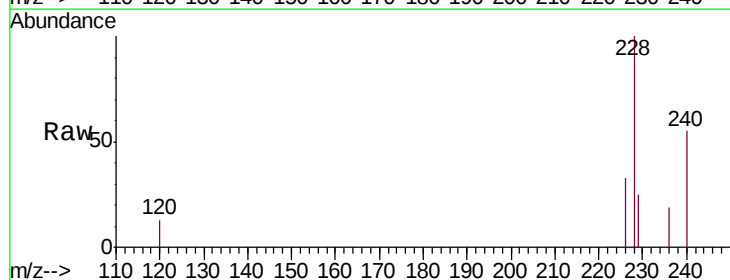
Tgt Ion:228 Resp: 3906

Ion Ratio Lower Upper

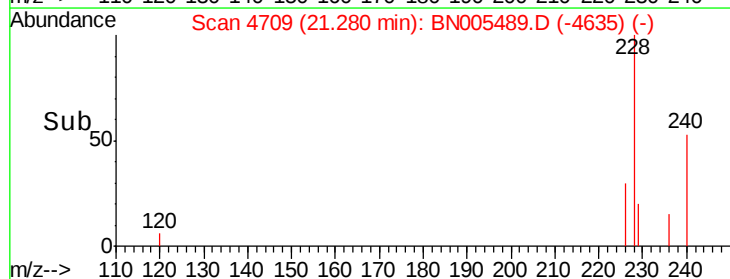
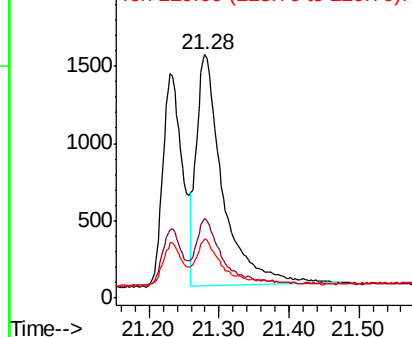
228 100

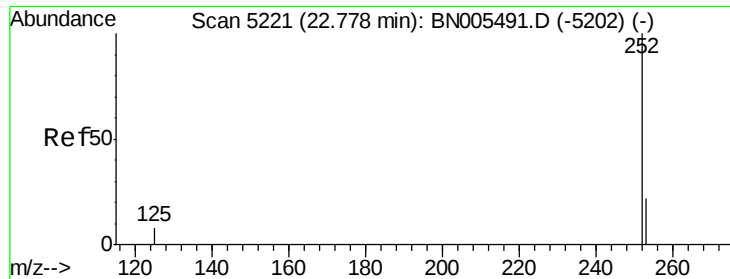
226 33.0 23.2 34.8

229 24.5 16.0 24.0#



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: 0.103 ng/u1

RT: 22.85 min Scan# 5245

Delta R.T. 0.07 min

Lab File: BN005489.D

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BNA_N

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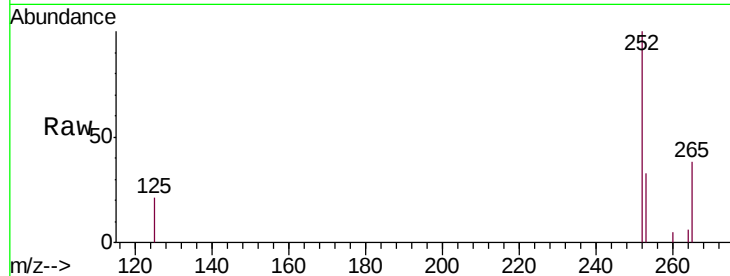
Tgt Ion:252 Resp: 3937

Ion Ratio Lower Upper

252 100

253 33.5 0.0 47.6

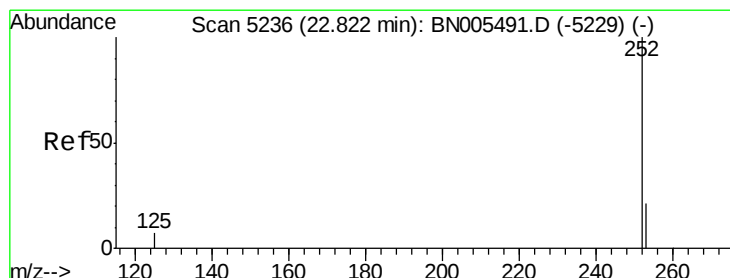
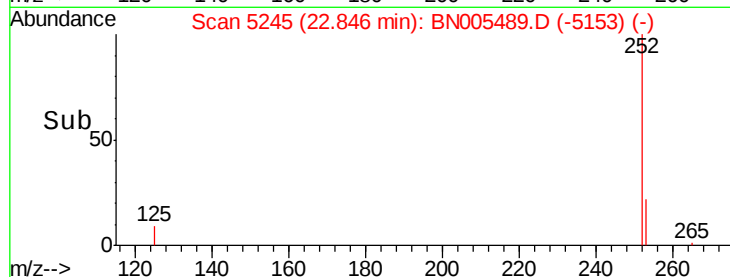
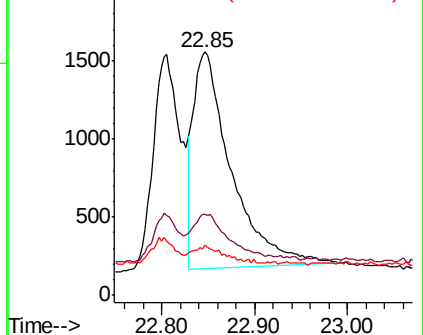
125 20.7 0.0 20.8



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: 0.099 ng/u1

RT: 22.85 min Scan# 5245

Delta R.T. 0.02 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

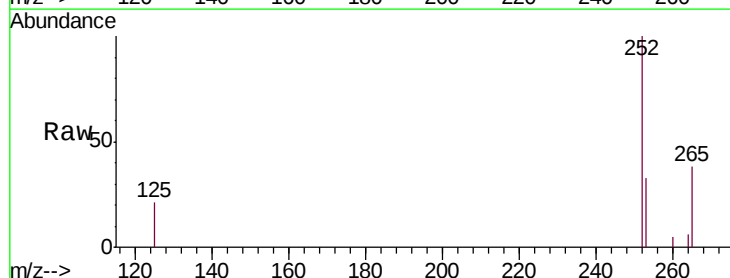
Tgt Ion:252 Resp: 3895

Ion Ratio Lower Upper

252 100

253 33.5 18.8 28.2#

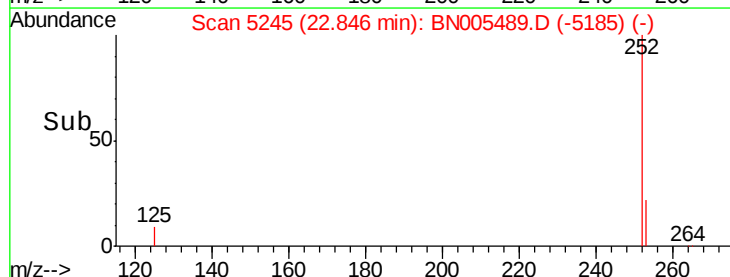
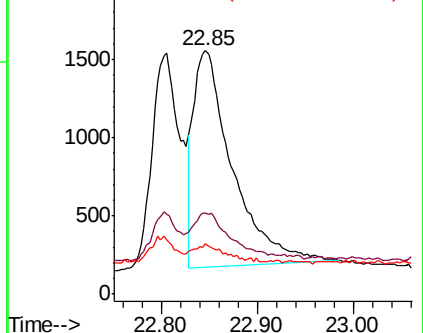
125 20.7 7.6 11.4#

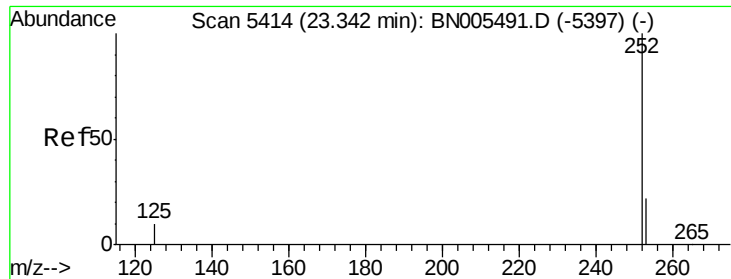


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.098 ng/u1

RT: 23.37 min Scan# 5424

Delta R.T. 0.03 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

Instrument :

BNA_N

ClientSampleId :

SSTD0.158

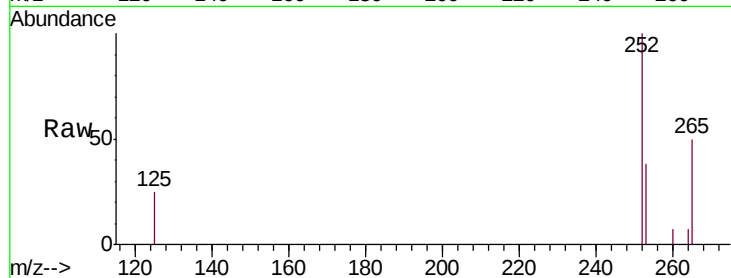
Tgt Ion:252 Resp: 3474

Ion Ratio Lower Upper

252 100

253 37.6 19.6 29.4#

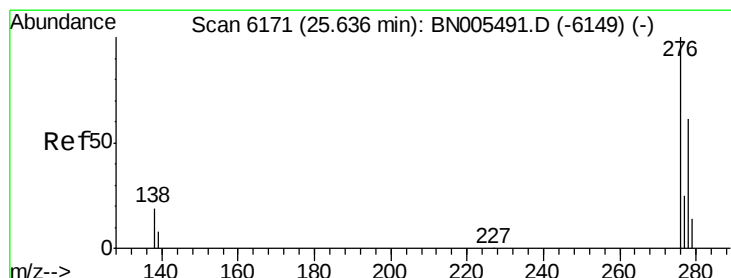
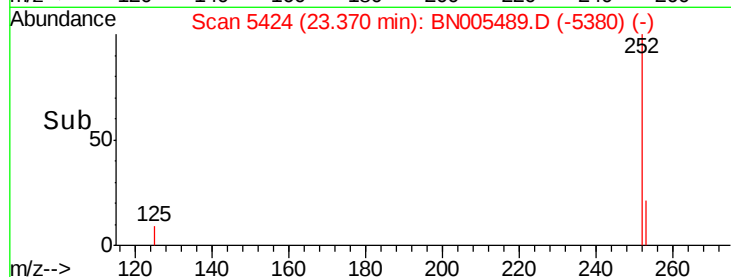
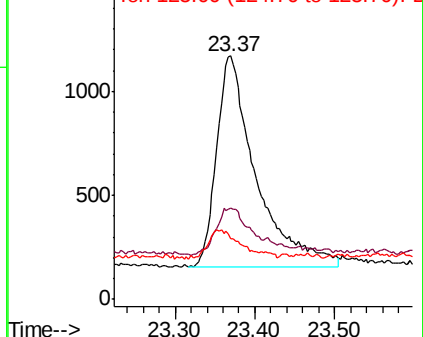
125 25.0 10.1 15.1#



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: 0.099 ng/u1

RT: 25.67 min Scan# 6183

Delta R.T. 0.04 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

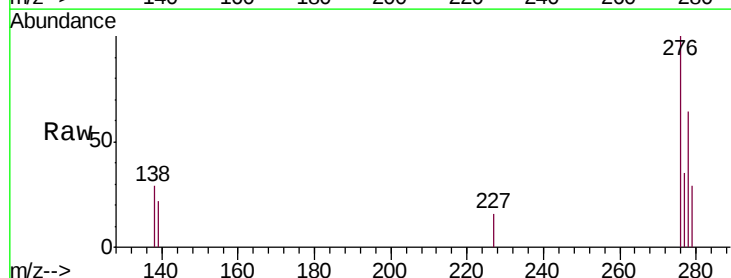
Tgt Ion:276 Resp: 3897

Ion Ratio Lower Upper

276 100

138 18.6 15.8 23.8

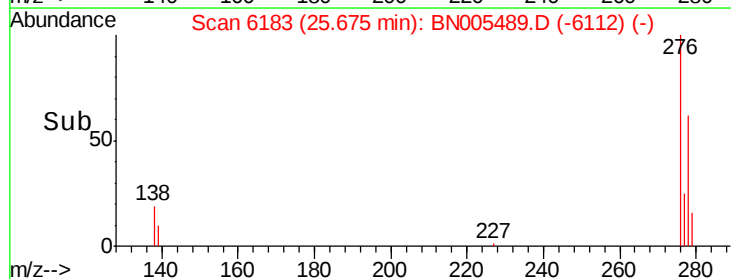
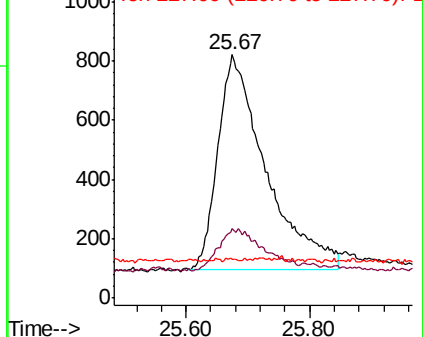
227 0.0 0.1 0.1#

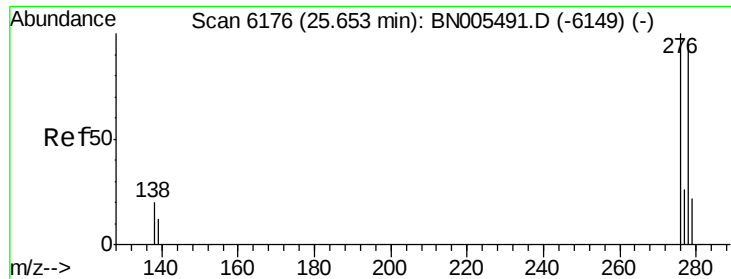


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.102 ng/ul

RT: 25.69 min Scan# 6187

Delta R.T. 0.04 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

Instrument :

BNA_N

ClientSampleId :

SSTD0.158

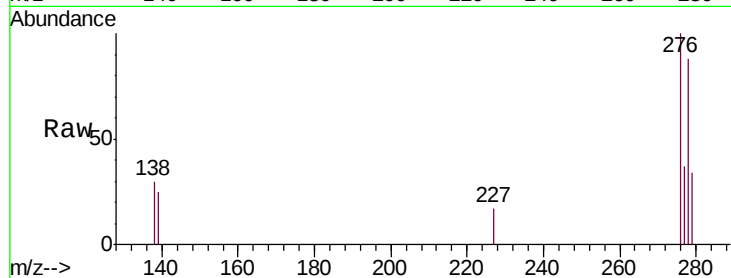
Tgt Ion: 278 Resp: 3289

Ion Ratio Lower Upper

278 100

139 28.2 12.4 18.6#

279 39.1 21.0 31.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.69

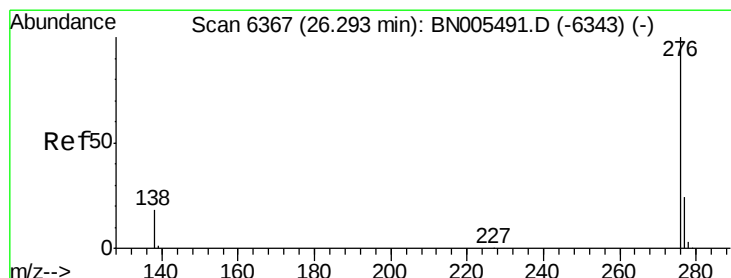
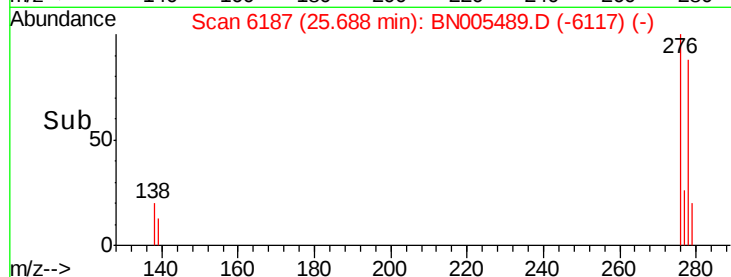
600

400

200

0

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.106 ng/ul

RT: 26.33 min Scan# 6378

Delta R.T. 0.04 min

Lab File: BN005489.D

Acq: 06 May 2019 17:36

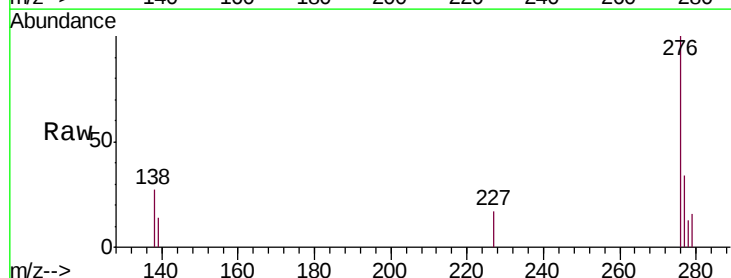
Tgt Ion: 276 Resp: 3521

Ion Ratio Lower Upper

276 100

138 26.9 15.6 23.4#

277 33.9 20.6 31.0#



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

26.33

1000

800

600

400

200

0

Time-->

