

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
 Data File : BN008236.D
 Acq On : 18 Oct 2019 00:10
 Operator : JU
 Sample : K5177-22
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 18 01:59:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 17 01:48:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2945	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8624	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.99
16) Chrysene-d12	21.19	240	14041	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	11769	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.97	152	3293	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	9378	0.00	ng/ul	0.00

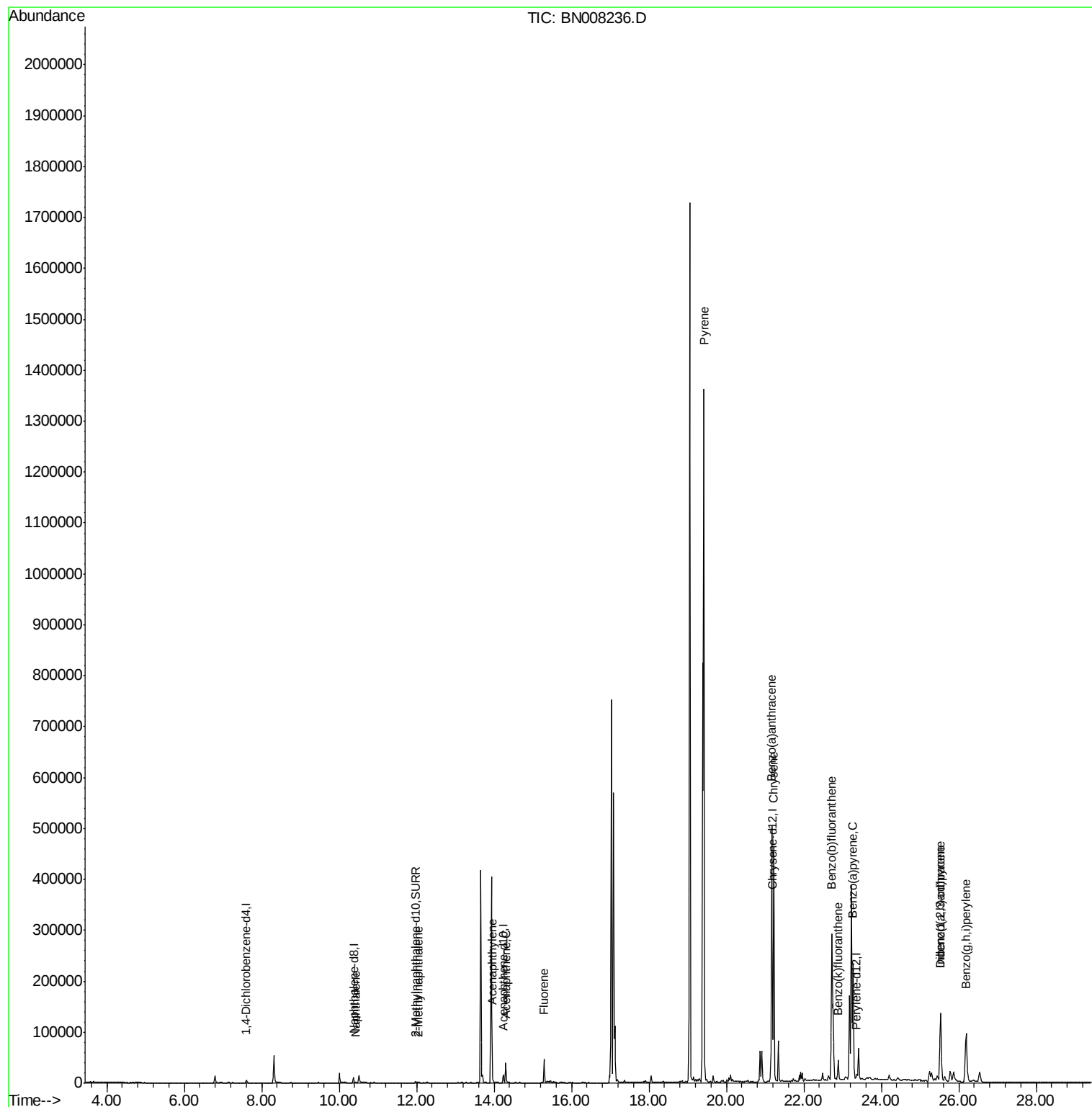
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.42	128	2124	0.053	ng/ul#	90
5) 2-Methylnaphthalene	12.04	142	1456	0.053	ng/ul	99
7) Acenaphthylene	13.95	152	2654	0.065	ng/ul#	93
8) Acenaphthene	14.30	153	22025	0.690	ng/ul	99
9) Fluorene	15.29	166	28451	0.784	ng/ul	98
17) Pyrene	19.42	202	1124884	20.121	ng/ul	99
18) Benzo(a)anthracene	21.17	228	430685	8.437	ng/ul	99
19) Chrysene	21.22	228	445745	7.115	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	630042	16.445	ng/ul	90
22) Benzo(k)fluoranthene	22.88	252	34927	0.805	ng/ul	97
23) Benzo(a)pyrene	23.27	252	299289	7.424	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.53	276	208774	4.397	ng/ul	99
25) Dibenzo(a,h)anthracene	25.54	278	44790	1.193	ng/ul	96
26) Benzo(g,h,i)perylene	26.19	276	195004	4.479	ng/ul	98

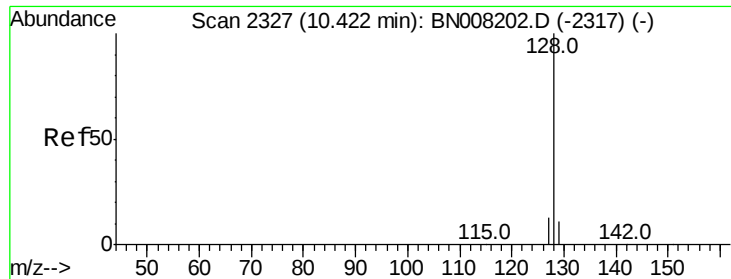
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.053 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

Instrument :

BNA_N

ClientSampleId :

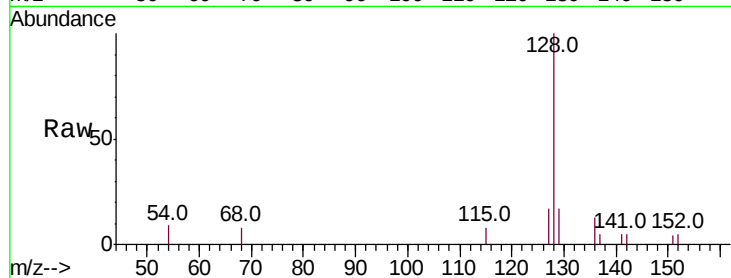
Tot Ion:128 Resp: 2124

Ion Ratio Lower Upper

128 100

129 17.4 9.8 14.8#

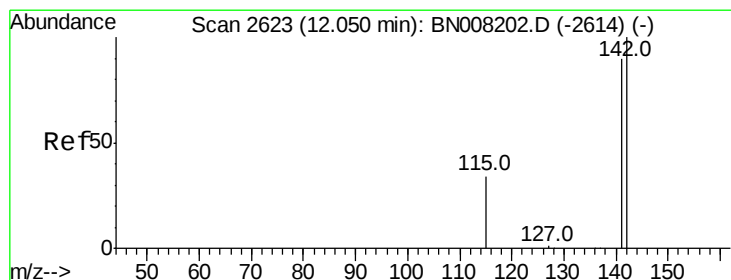
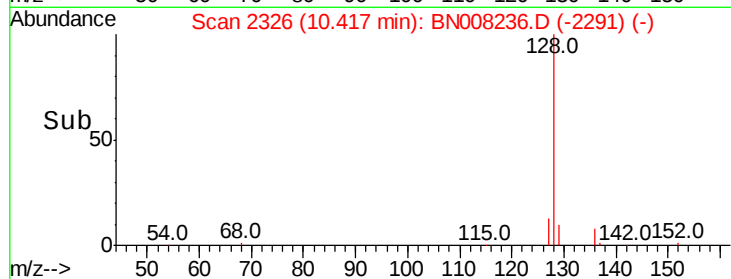
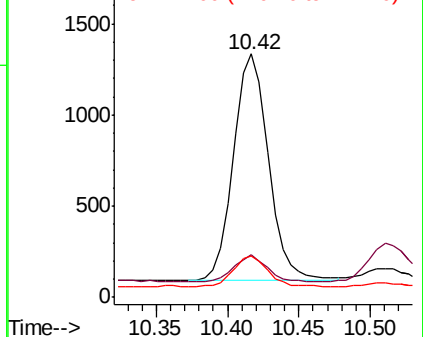
127 16.9 11.1 16.7#



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: 0.053 ng/ul

RT: 12.04 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BN008236.D

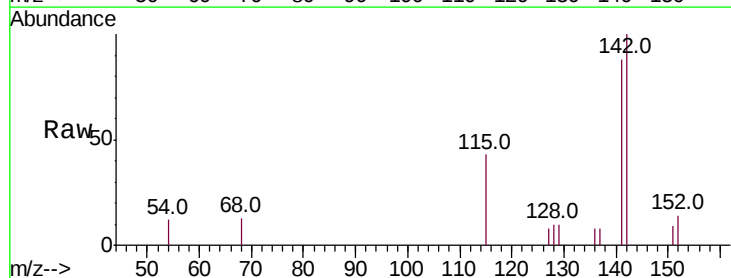
Acq: 18 Oct 2019 00:10

Tgt Ion:142 Resp: 1456

Ion Ratio Lower Upper

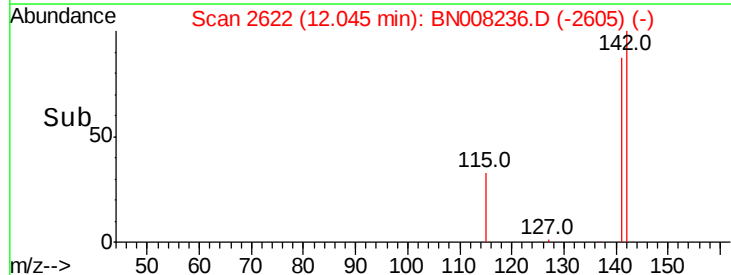
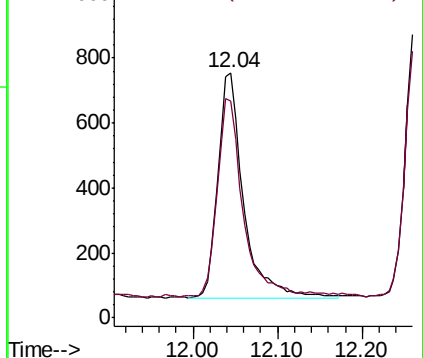
142 100

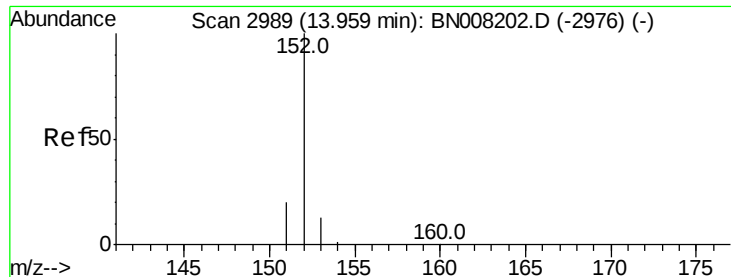
141 88.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.065 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

Instrument :

BNA_N

ClientSampleId :

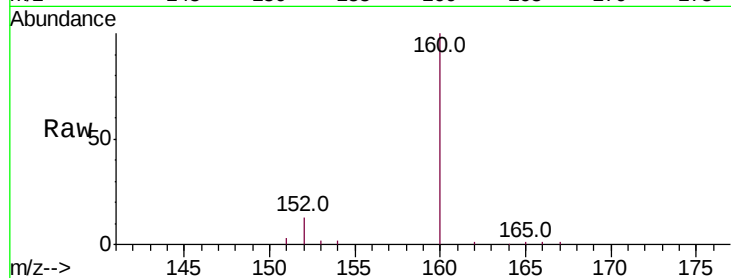
Tot Ion:152 Resp: 2654

Ion Ratio Lower Upper

152 100

151 22.2 16.2 24.4

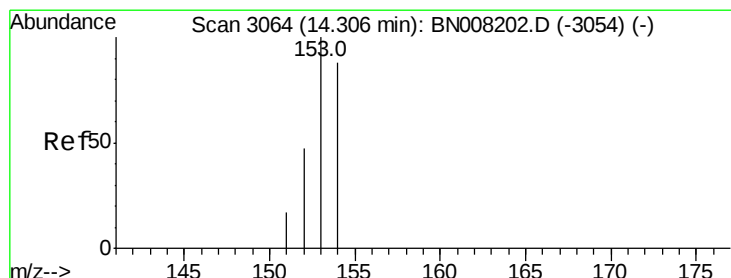
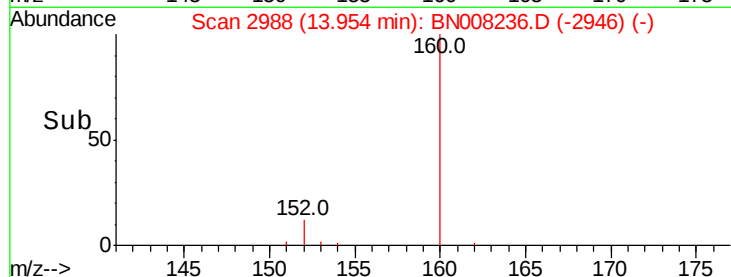
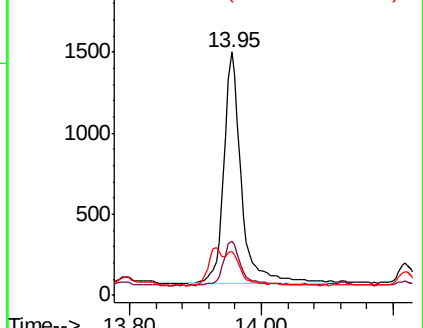
153 17.8 11.0 16.4#



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



#8

Acenaphthene

Concen: 0.690 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

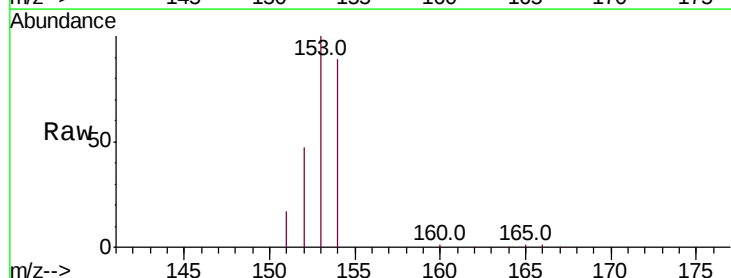
Tgt Ion:153 Resp: 22025

Ion Ratio Lower Upper

153 100

152 47.2 38.2 57.2

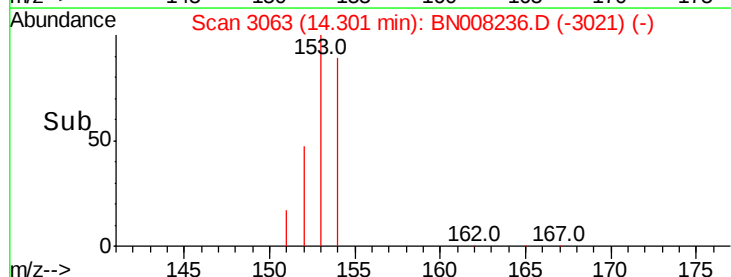
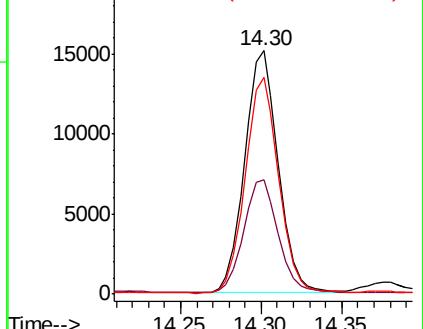
154 89.2 71.8 107.8

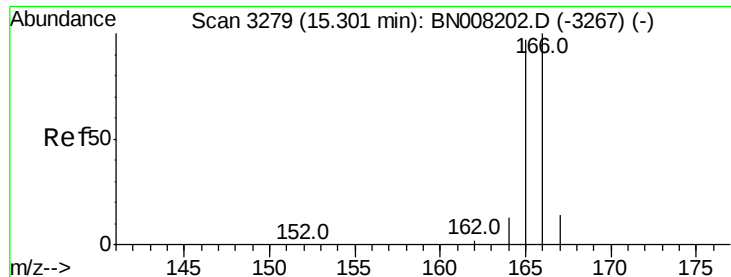


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

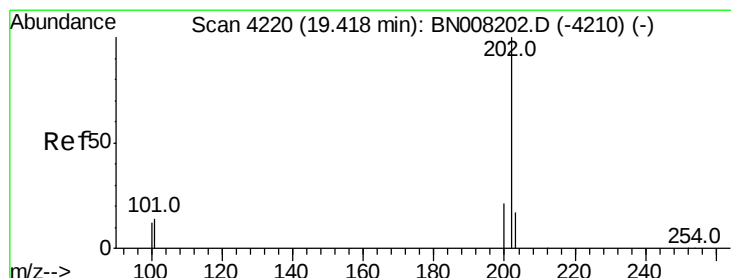
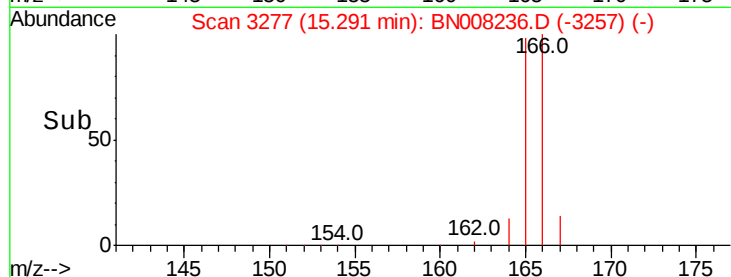
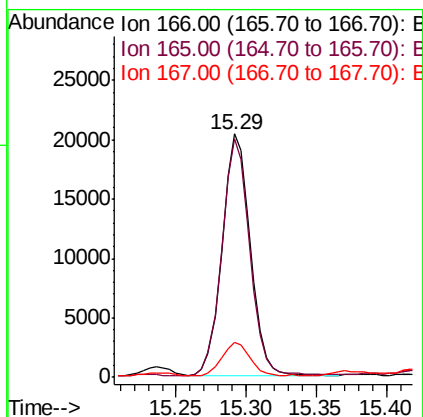
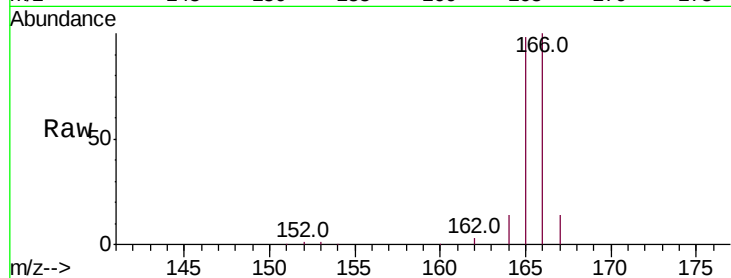




#9
Fluorene
 Concen: 0.784 ng/ul
 RT: 15.29 min Scan# 3277
 Delta R.T. -0.01 min
 Lab File: BN008236.D
 Acq: 18 Oct 2019 00:10

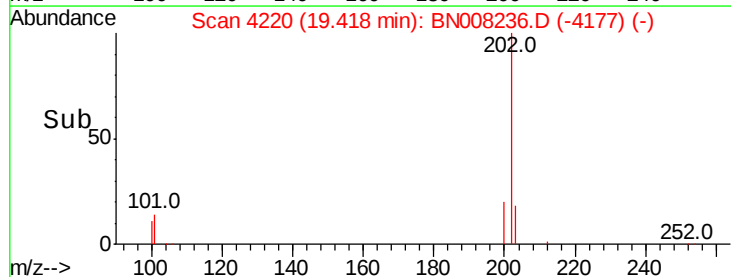
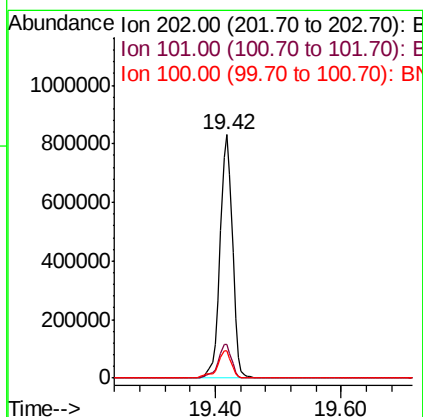
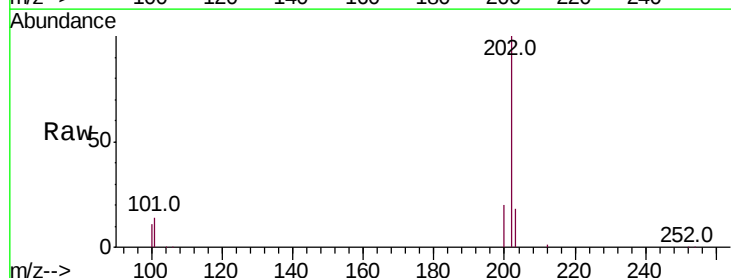
Instrument :
 BNA_N
 ClientSampleId :

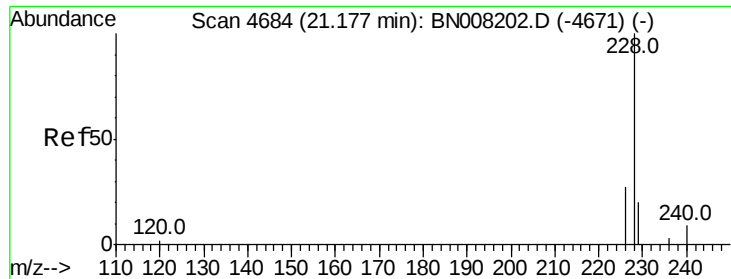
Tot Ion:166 Resp: 28451
 Ion Ratio Lower Upper
 166 100
 165 98.1 76.6 115.0
 167 14.5 11.7 17.5



#17
Pyrene
 Concen: 20.121 ng/ul
 RT: 19.42 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: BN008236.D
 Acq: 18 Oct 2019 00:10

Tgt Ion:202 Resp: 1124884
 Ion Ratio Lower Upper
 202 100
 101 13.8 10.9 16.3
 100 11.2 8.7 13.1





#18

Benzo(a)anthracene

Concen: 8.437 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

Instrument :

BNA_N

ClientSampleId :

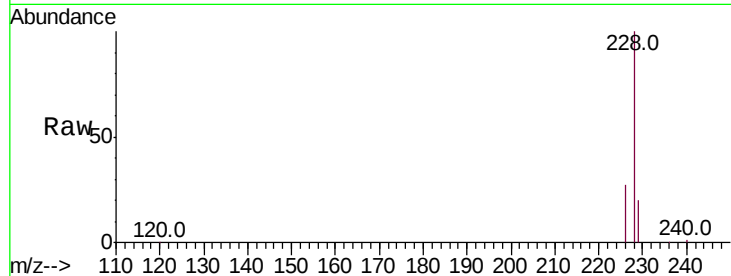
Tot Ion:228 Resp: 430685

Ion Ratio Lower Upper

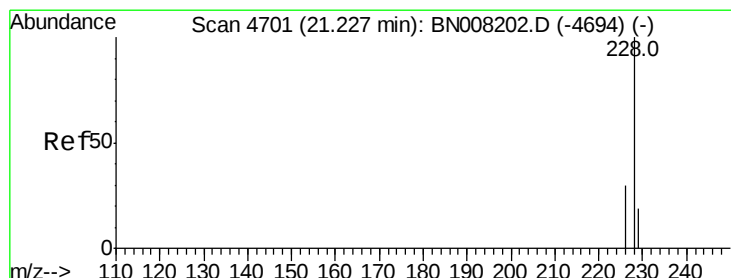
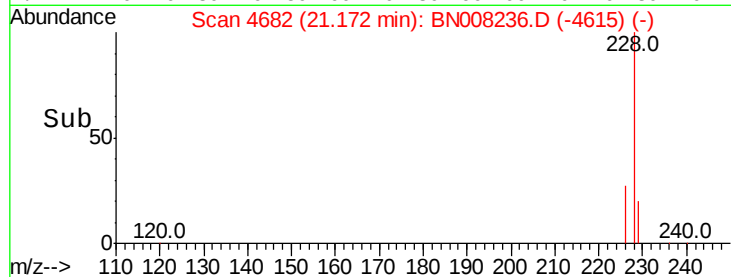
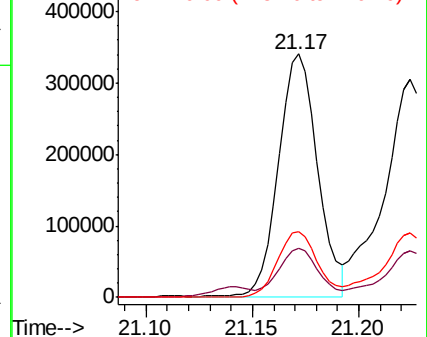
228 100

229 20.2 16.2 24.2

226 27.1 21.4 32.0



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: 7.115 ng/ul

RT: 21.22 min Scan# 4700

Delta R.T. -0.00 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

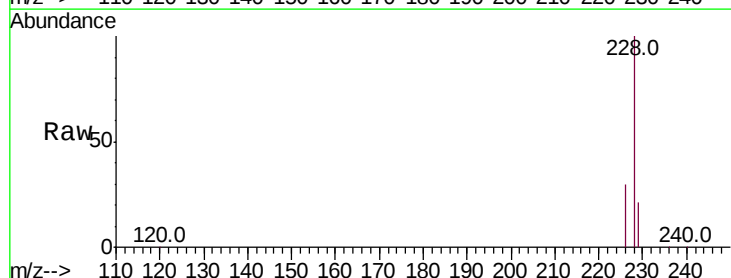
Tgt Ion:228 Resp: 445745

Ion Ratio Lower Upper

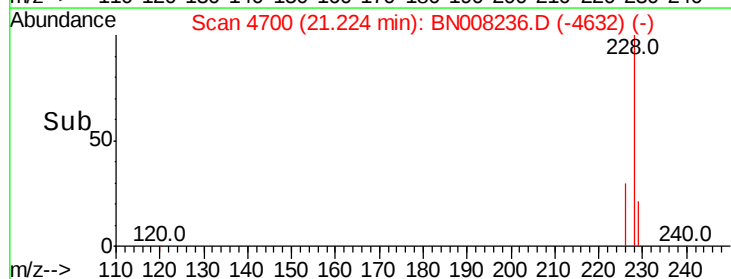
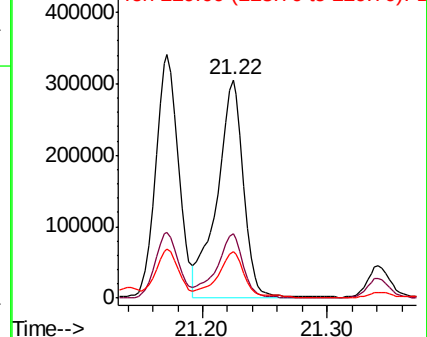
228 100

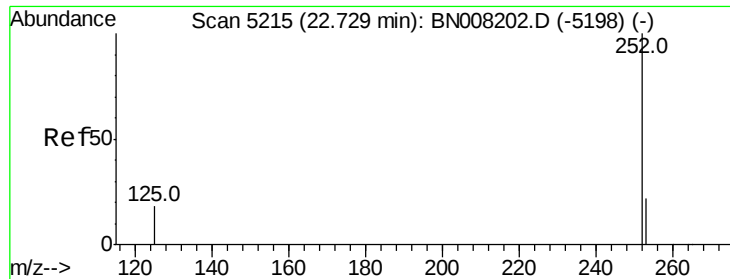
226 29.6 24.1 36.1

229 21.3 16.2 24.2



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: 16.445 ng/u1

RT: 22.72 min Scan# 5212

Delta R.T. -0.01 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

Instrument :

BNA_N

ClientSampleId :

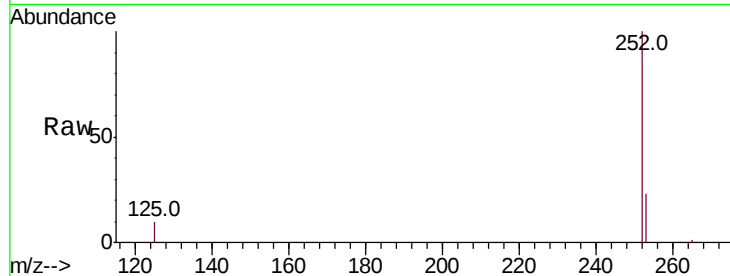
Tot Ion:252 Resp: 630042

Ion Ratio Lower Upper

252 100

253 22.6 0.0 53.4

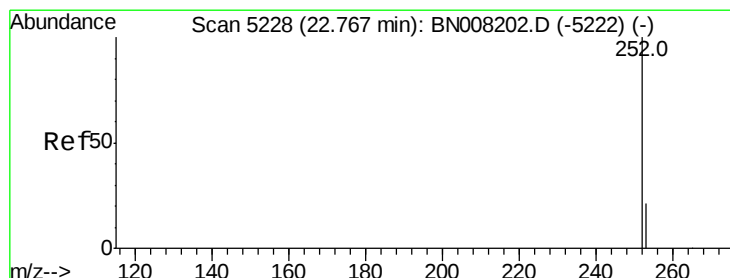
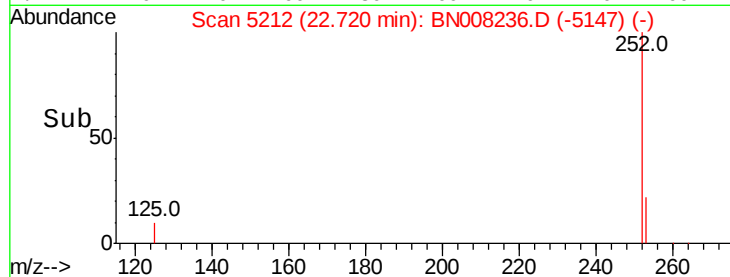
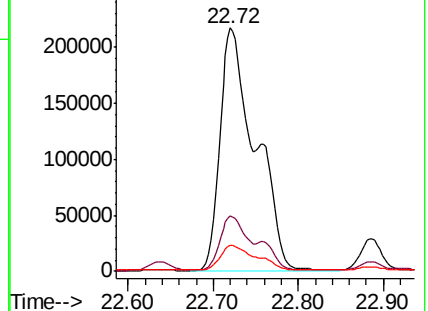
125 10.5 0.0 32.4



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



#22

Benzo(k)fluoranthene

Concen: 0.805 ng/u1

RT: 22.88 min Scan# 5268

Delta R.T. 0.12 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

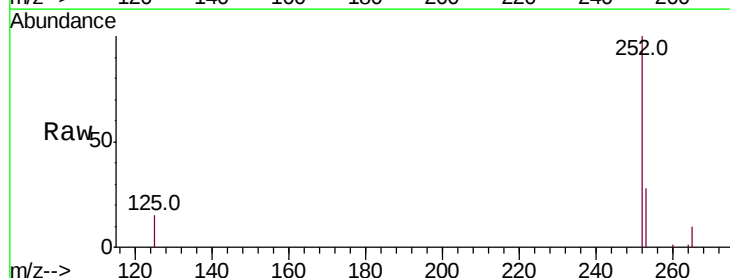
Tgt Ion:252 Resp: 34927

Ion Ratio Lower Upper

252 100

253 28.3 21.3 31.9

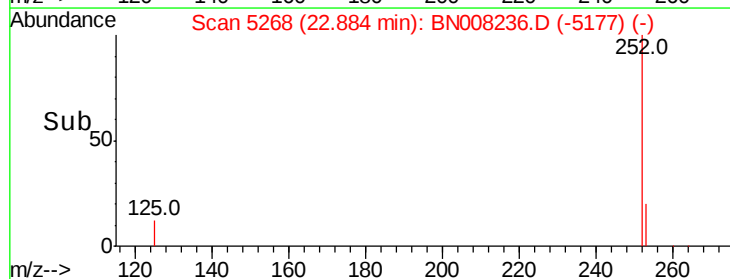
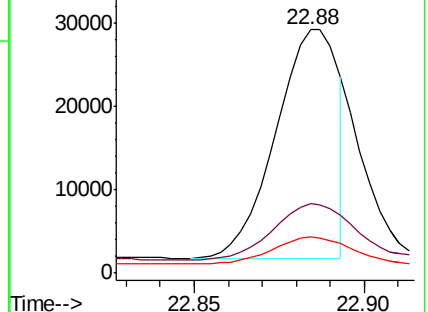
125 14.9 12.3 18.5

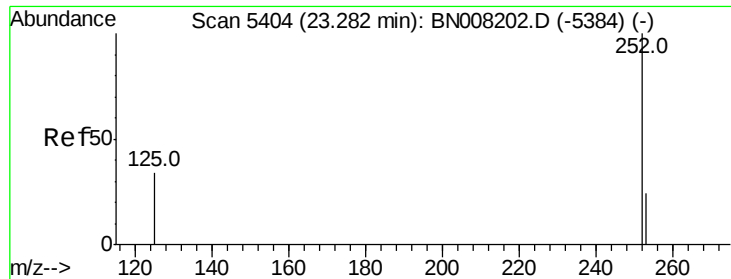


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 7.424 ng/ul

RT: 23.27 min Scan# 5401

Delta R.T. -0.01 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

Instrument :

BNA_N

ClientSampled :

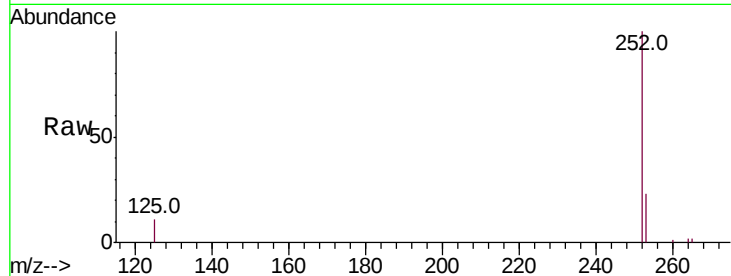
Tot Ion:252 Resp: 299289

Ion Ratio Lower Upper

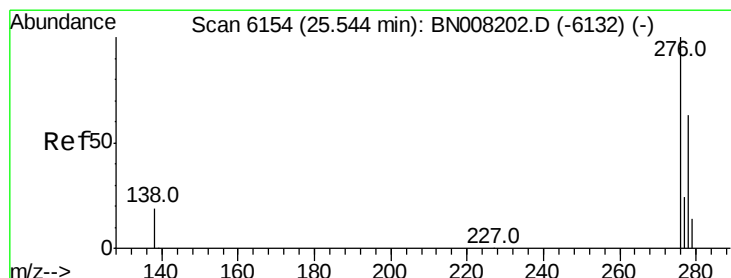
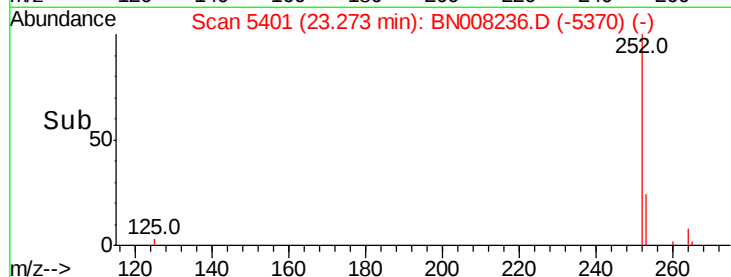
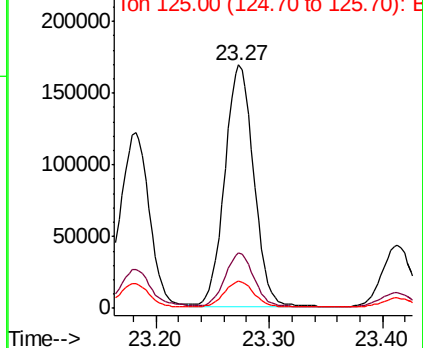
252 100

253 22.7 22.8 34.2#

125 11.2 18.4 27.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 4.397 ng/ul

RT: 25.53 min Scan# 6150

Delta R.T. -0.01 min

Lab File: BN008236.D

Acq: 18 Oct 2019 00:10

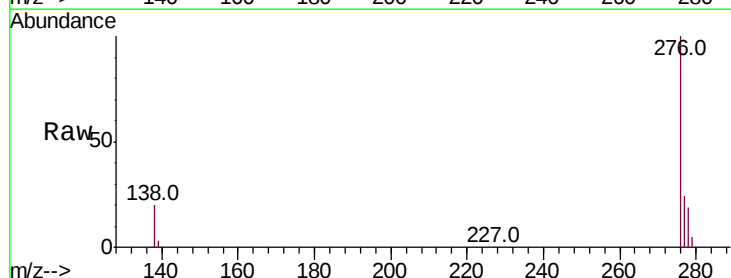
Tgt Ion:276 Resp: 208774

Ion Ratio Lower Upper

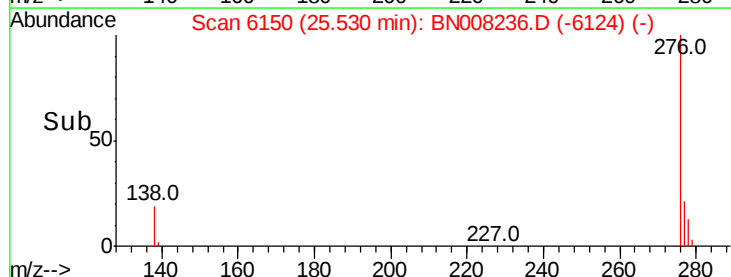
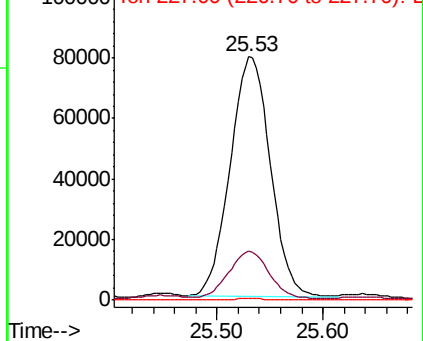
276 100

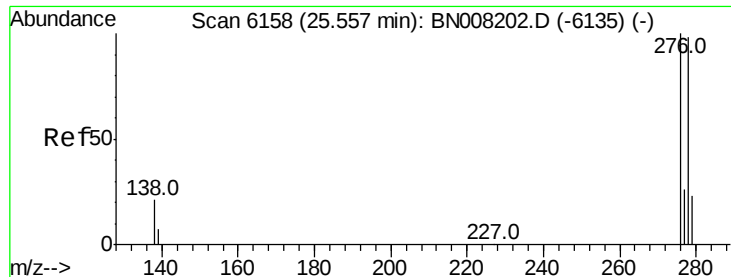
138 19.6 16.1 24.1

227 0.2 0.2 0.2



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



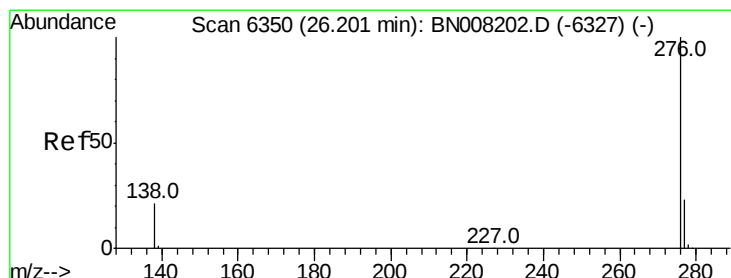
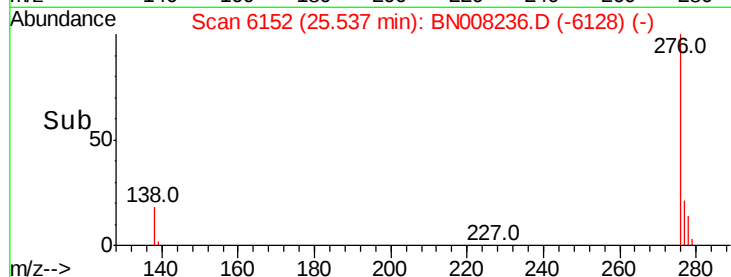
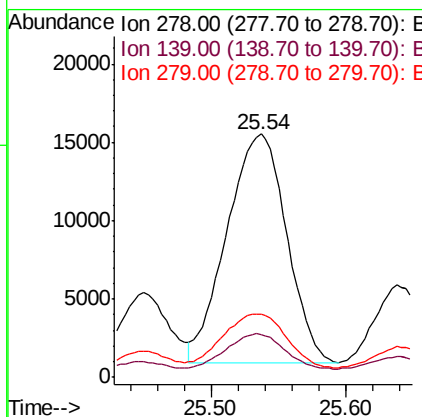
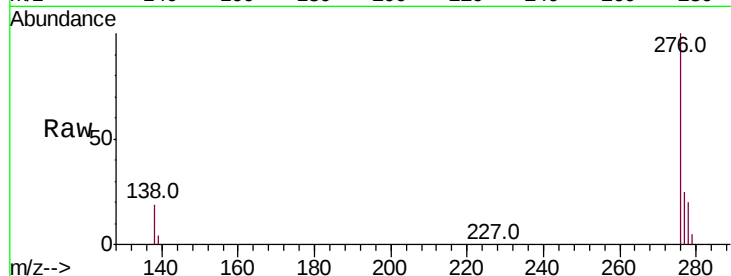


#25

Dibenzo(a,h)anthracene
 Concen: 1.193 ng/ul
 RT: 25.54 min Scan# 6152
 Delta R.T. -0.02 min
 Lab File: BN008236.D
 Acq: 18 Oct 2019 00:10

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 44790
 Ion Ratio Lower Upper
 278 100
 139 17.5 15.0 22.6
 279 25.8 22.4 33.6



#26

Benzo(g,h,i)perylene
 Concen: 4.479 ng/ul
 RT: 26.19 min Scan# 6347
 Delta R.T. -0.01 min
 Lab File: BN008236.D
 Acq: 18 Oct 2019 00:10

Tgt Ion:276 Resp: 195004
 Ion Ratio Lower Upper
 276 100
 138 20.5 17.0 25.4
 277 24.2 20.4 30.6

