

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
 Data File : BN008220.D
 Acq On : 17 Oct 2019 13:47
 Operator : JU
 Sample : K5175-10DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 18 01:58:38 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	7.61	152	2843	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	13662	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8721	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	15638	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	11698	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.97	152	881	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	2777	0.00	ng/ul	0.00

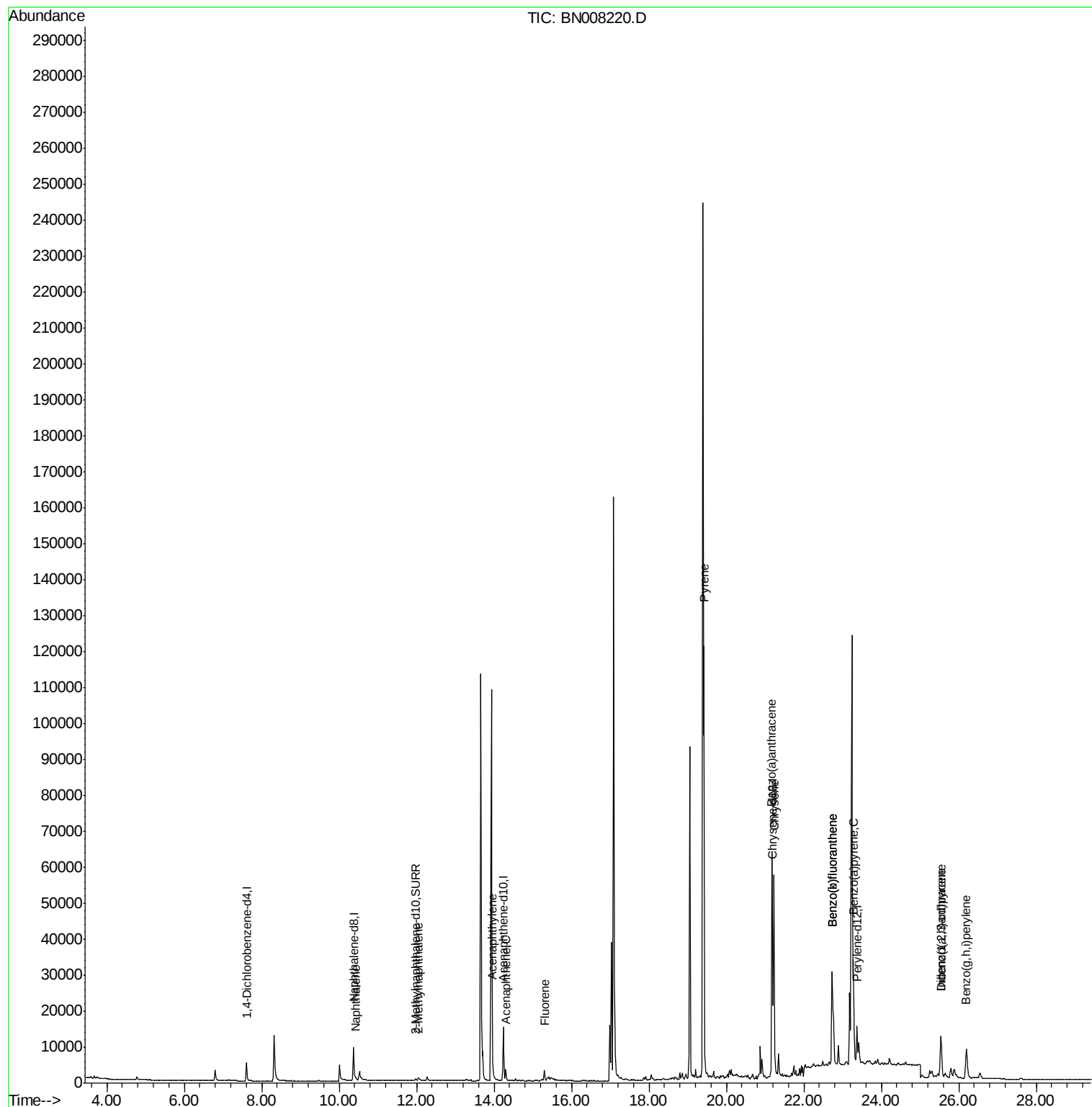
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.42	128	1242	0.032	ng/ul#	85
5) 2-Methylnaphthalene	12.05	142	880	0.033	ng/ul	98
7) Acenaphthylene	13.96	152	2553	0.061	ng/ul#	91
8) Acenaphthene	14.30	153	1872	0.058	ng/ul	97
9) Fluorene	15.30	166	1859	0.051	ng/ul#	93
17) Pyrene	19.42	202	100124	1.608	ng/ul	100
18) Benzo(a)anthracene	21.17	228	52729	0.927	ng/ul	97
19) Chrysene	21.23	228	57921	0.830	ng/ul	99
21) Benzo(b)fluoranthene	22.73	252	61100	1.604	ng/ul	97
22) Benzo(k)fluoranthene	22.73	252	61100	1.416	ng/ul	98
23) Benzo(a)pyrene	23.28	252	34931	0.872	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.54	276	19102	0.405	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.54	278	5014	0.134	ng/ul#	80
26) Benzo(g,h,i)perylene	26.19	276	17287	0.399	ng/ul	97

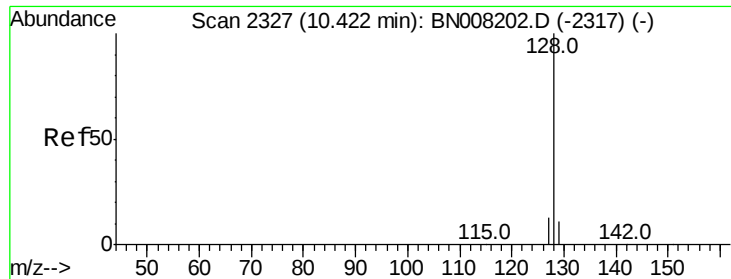
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.032 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

Instrument :

BNA_N

ClientSampleId :

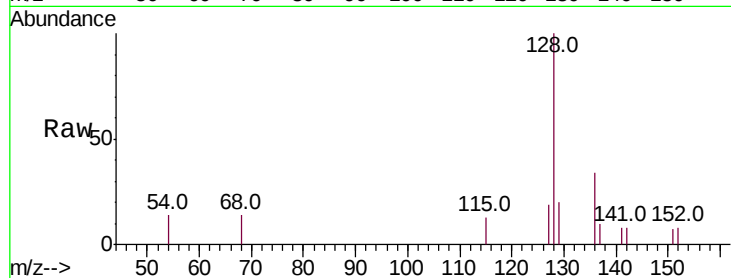
Tot Ion:128 Resp: 1242

Ion Ratio Lower Upper

128 100

129 20.1 9.8 14.8#

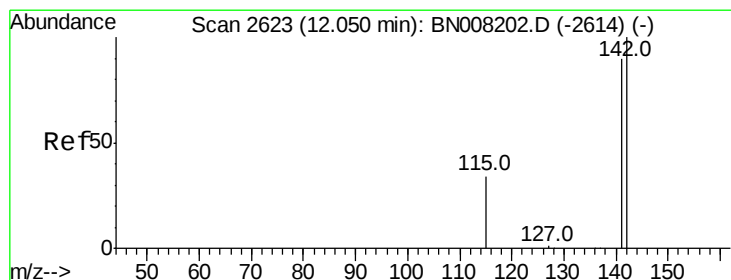
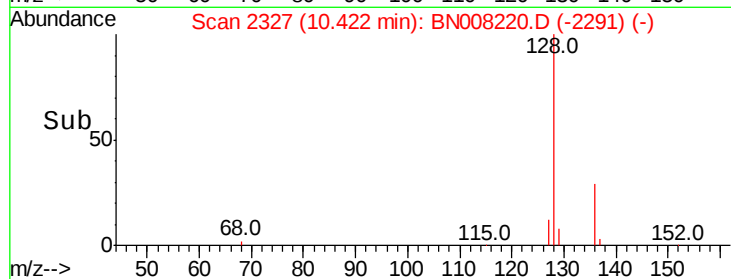
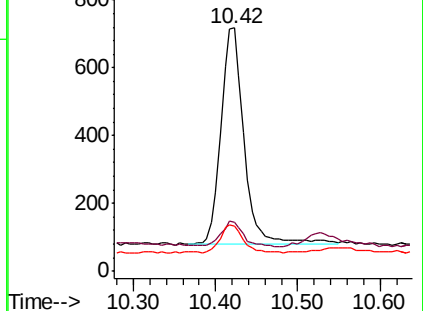
127 18.5 11.1 16.7#



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: 0.033 ng/ul

RT: 12.05 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BN008220.D

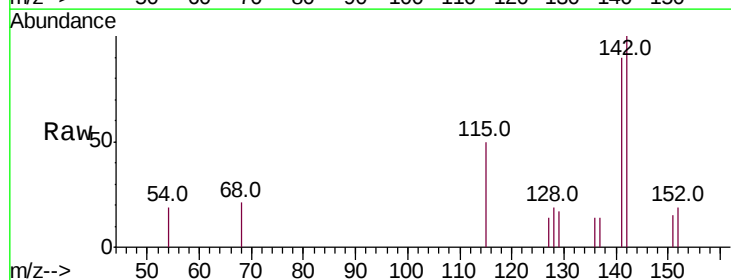
Acq: 17 Oct 2019 13:47

Tgt Ion:142 Resp: 880

Ion Ratio Lower Upper

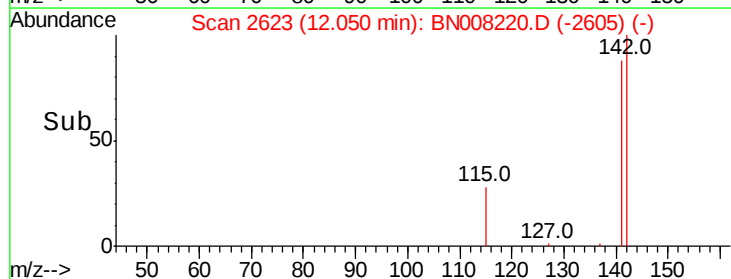
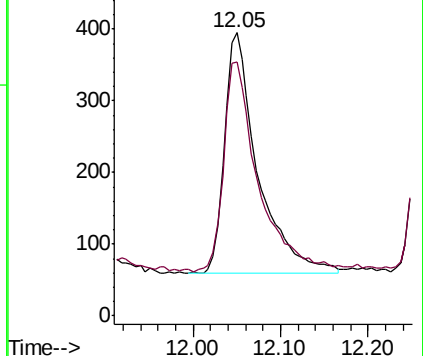
142 100

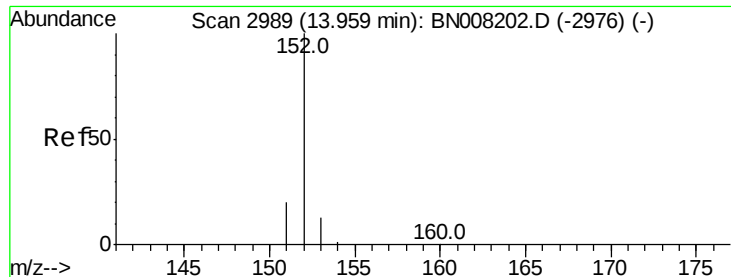
141 91.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 13.96 min Scan# 2989

Delta R.T. 0.00 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

Instrument :

BNA_N

ClientSampleId :

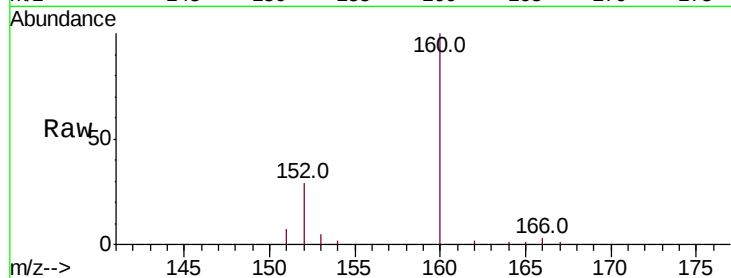
Tot Ion:152 Resp: 2553

Ion Ratio Lower Upper

152 100

151 23.7 16.2 24.4

153 18.1 11.0 16.4#

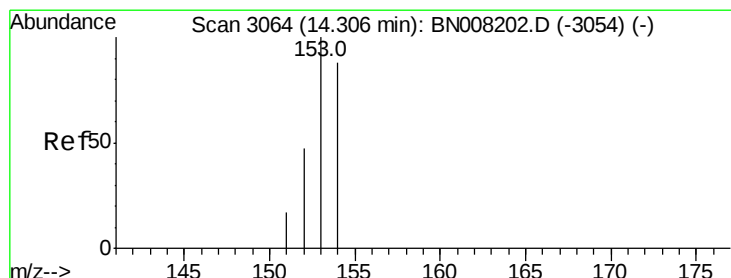
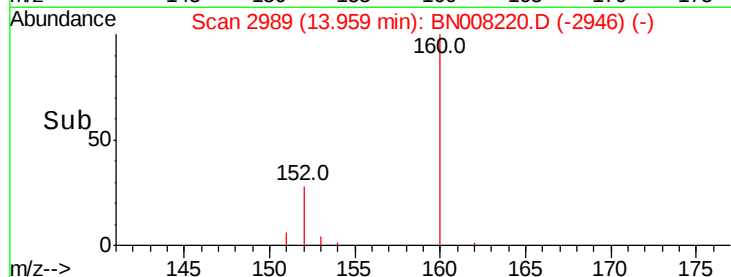
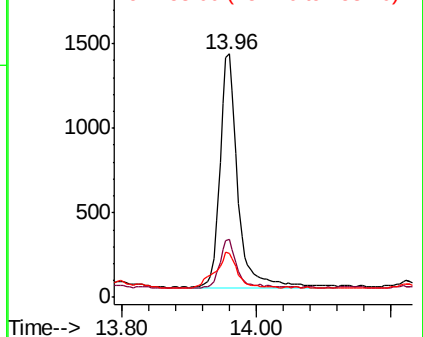


Abundance

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: 0.058 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

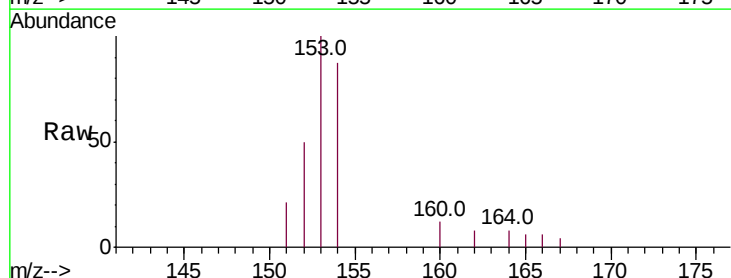
Tgt Ion:153 Resp: 1872

Ion Ratio Lower Upper

153 100

152 50.3 38.2 57.2

154 87.0 71.8 107.8

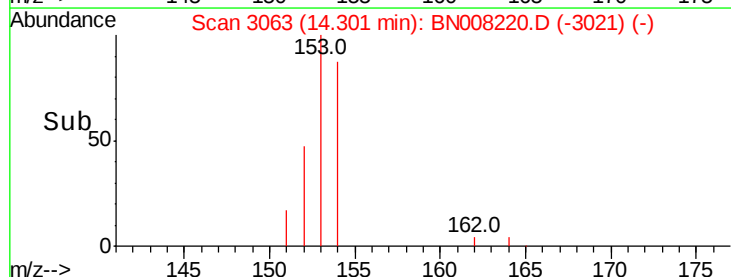
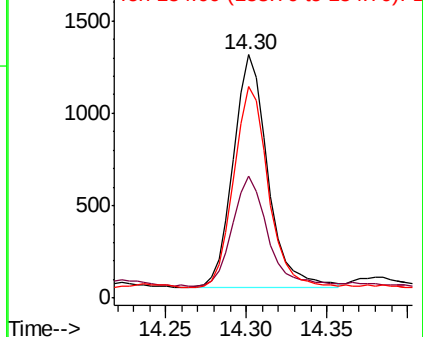


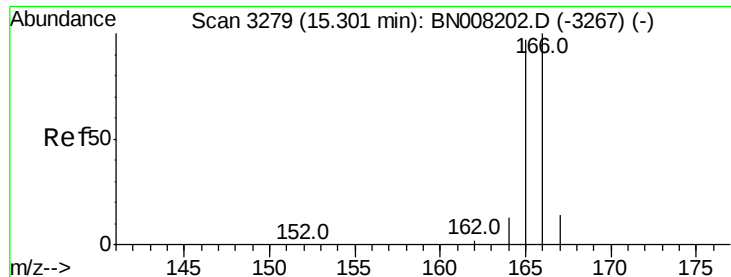
Abundance

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

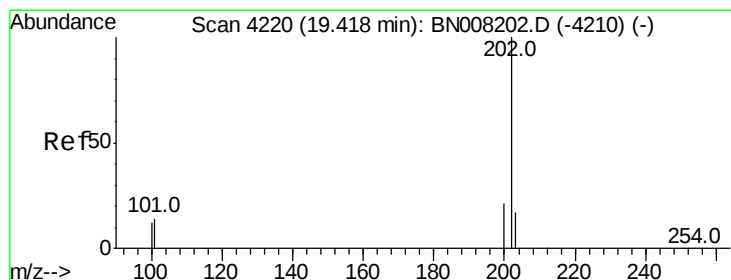
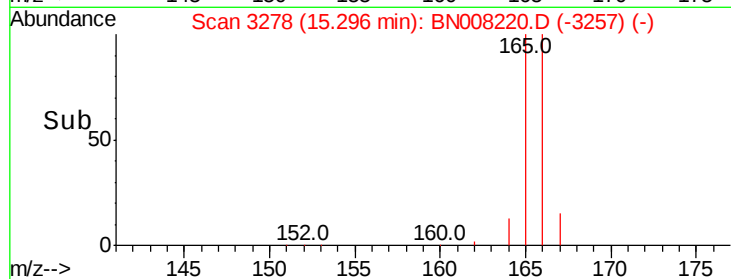
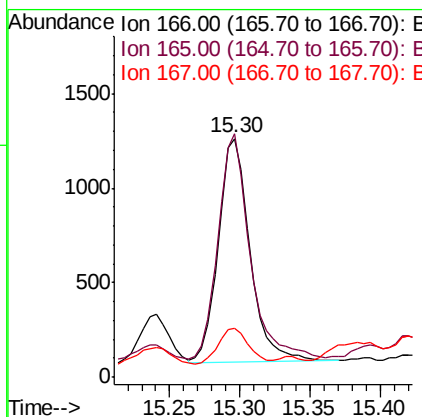
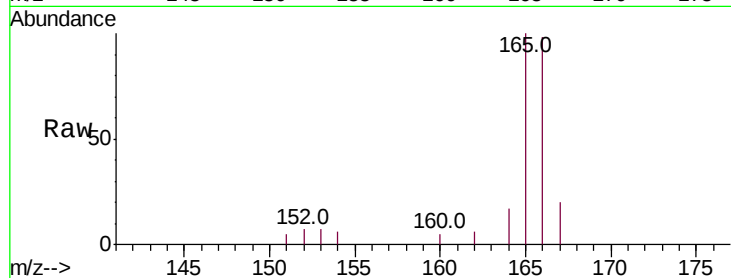




#9
Fluorene
 Concen: 0.051 ng/ul
 RT: 15.30 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: BN008220.D
 Acq: 17 Oct 2019 13:47

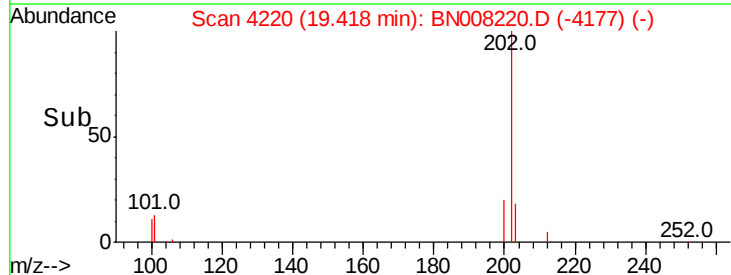
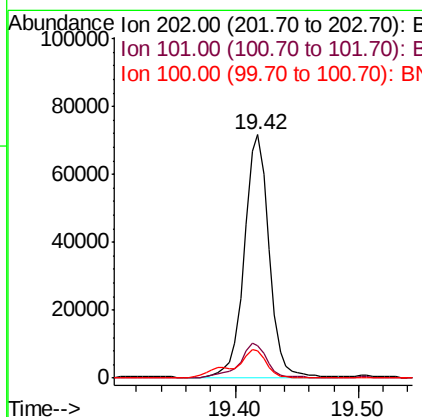
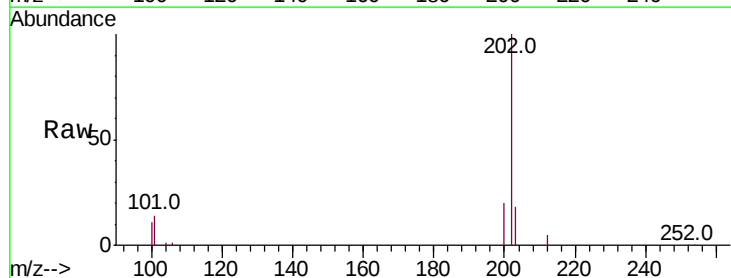
Instrument :
 BNA_N
 ClientSampleId :

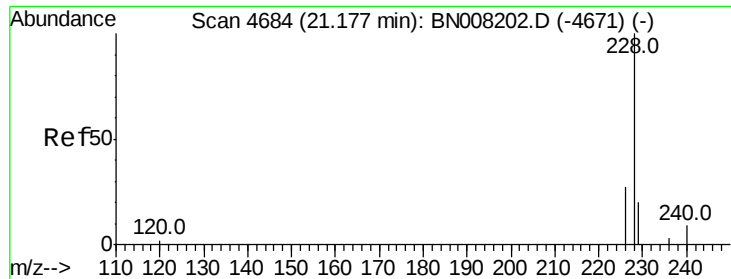
Tot Ion:166 Resp: 1859
 Ion Ratio Lower Upper
 166 100
 165 101.8 76.6 115.0
 167 20.7 11.7 17.5#



#17
Pyrene
 Concen: 1.608 ng/ul
 RT: 19.42 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: BN008220.D
 Acq: 17 Oct 2019 13:47

Tgt Ion:202 Resp: 100124
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.9 16.3
 100 11.0 8.7 13.1





#18

Benzo(a)anthracene

Concen: 0.927 ng/ul

RT: 21.17 min Scan# 4683

Delta R.T. -0.00 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

Instrument :

BNA_N

ClientSampleId :

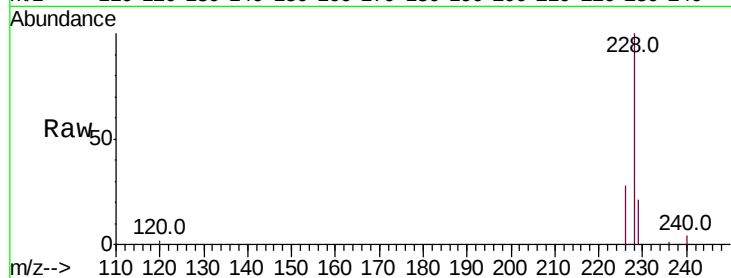
Tot Ion:228 Resp: 52729

Ion Ratio Lower Upper

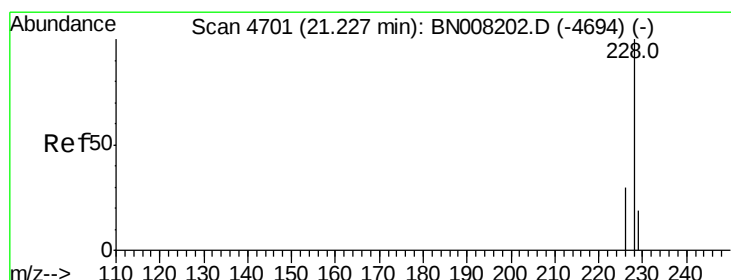
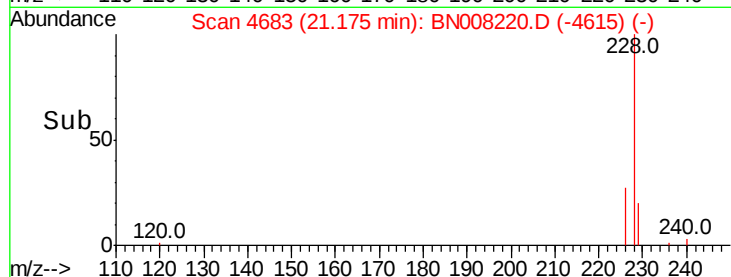
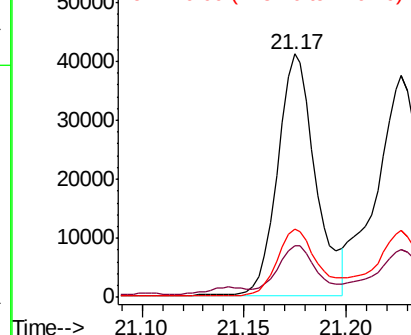
228 100

229 21.4 16.2 24.2

226 28.1 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: 0.830 ng/ul

RT: 21.23 min Scan# 4701

Delta R.T. 0.00 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

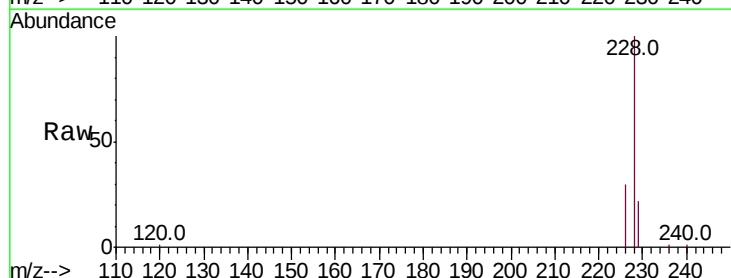
Tgt Ion:228 Resp: 57921

Ion Ratio Lower Upper

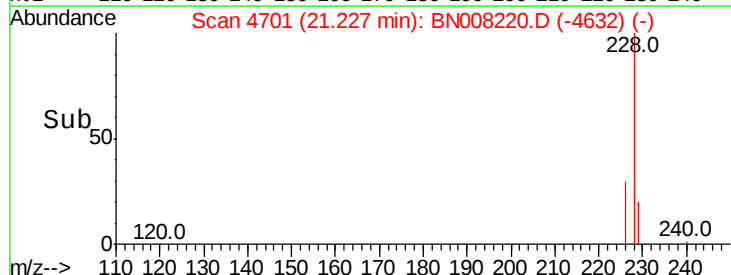
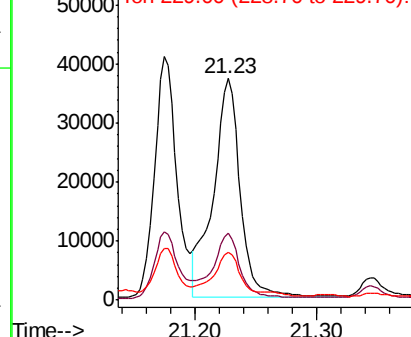
228 100

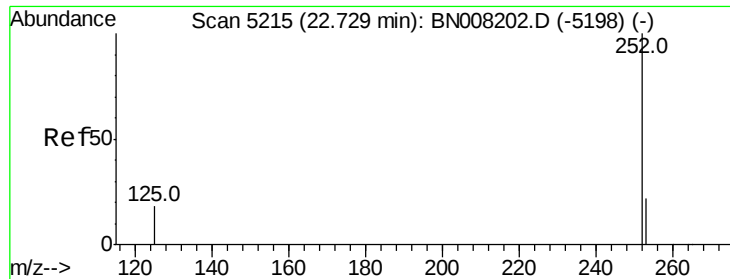
226 30.0 24.1 36.1

229 21.7 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

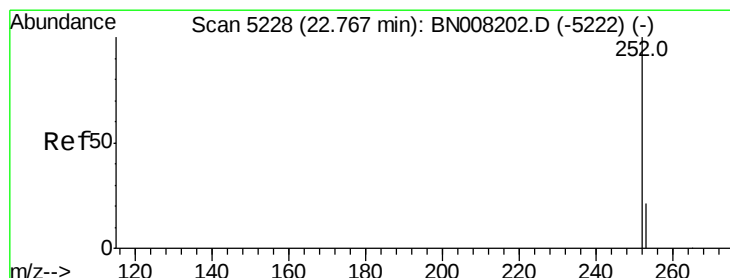
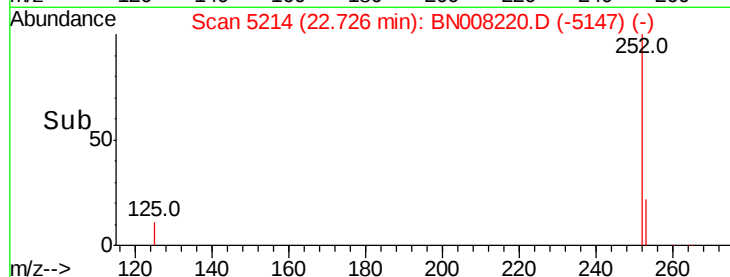
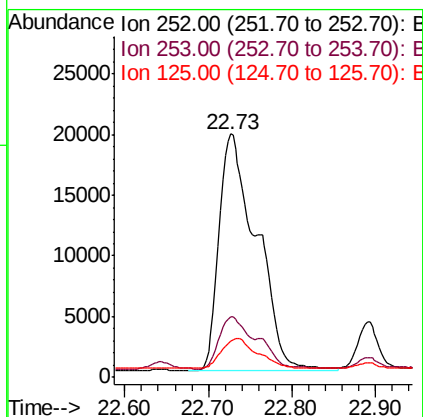
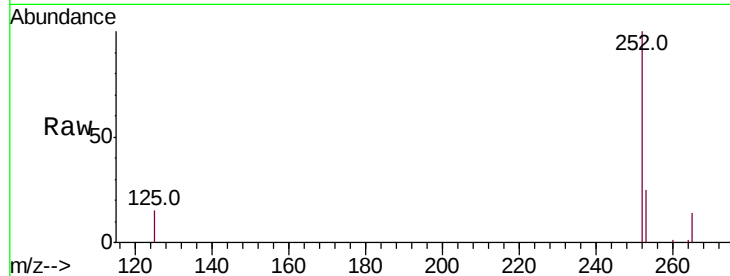




#21
Benzo(b)fluoranthene
Concen: 1.604 ng/ul
RT: 22.73 min Scan# 5214
Delta R.T. -0.00 min
Lab File: BN008220.D
Acq: 17 Oct 2019 13:47

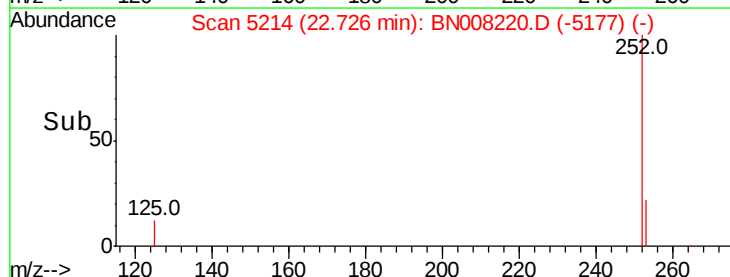
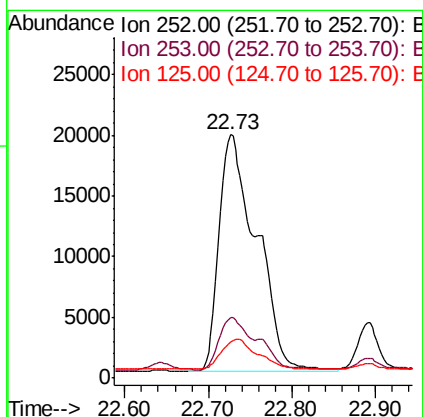
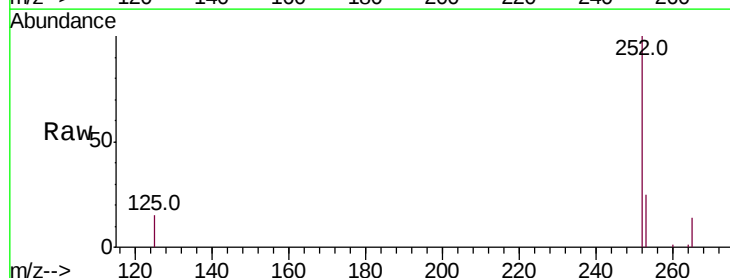
Instrument :
BNA_N
ClientSampleId :

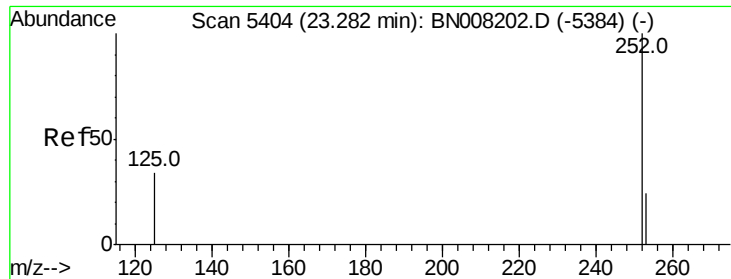
Tot Ion:252 Resp: 61100
Ion Ratio Lower Upper
252 100
253 25.0 0.0 53.4
125 15.0 0.0 32.4



#22
Benzo(k)fluoranthene
Concen: 1.416 ng/ul
RT: 22.73 min Scan# 5214
Delta R.T. -0.04 min
Lab File: BN008220.D
Acq: 17 Oct 2019 13:47

Tgt Ion:252 Resp: 61100
Ion Ratio Lower Upper
252 100
253 25.0 21.3 31.9
125 15.0 12.3 18.5





#23

Benzo(a)pyrene

Concen: 0.872 ng/ul

RT: 23.28 min Scan# 5403

Delta R.T. -0.00 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

Instrument :

BNA_N

ClientSampleId :

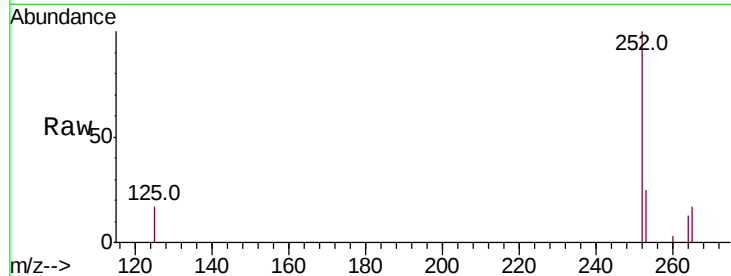
Tot Ion:252 Resp: 34931

Ion Ratio Lower Upper

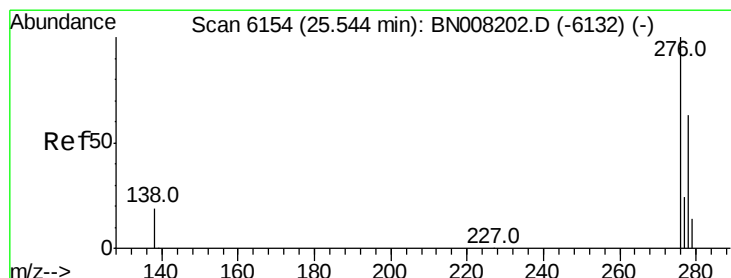
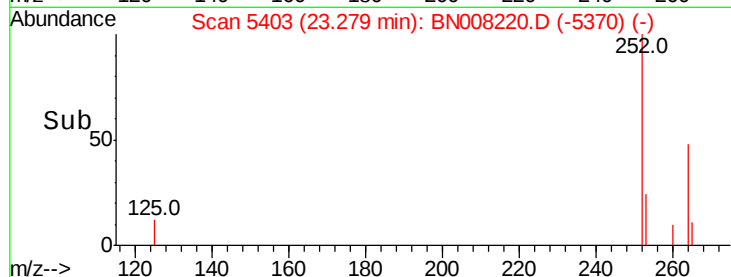
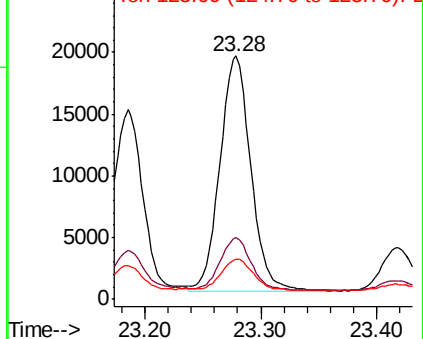
252 100

253 25.3 22.8 34.2

125 16.6 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: 0.405 ng/ul

RT: 25.54 min Scan# 6152

Delta R.T. -0.01 min

Lab File: BN008220.D

Acq: 17 Oct 2019 13:47

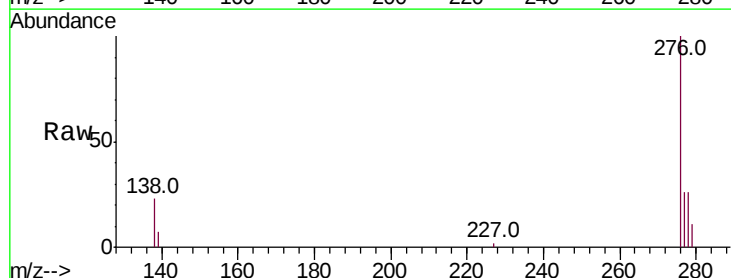
Tgt Ion:276 Resp: 19102

Ion Ratio Lower Upper

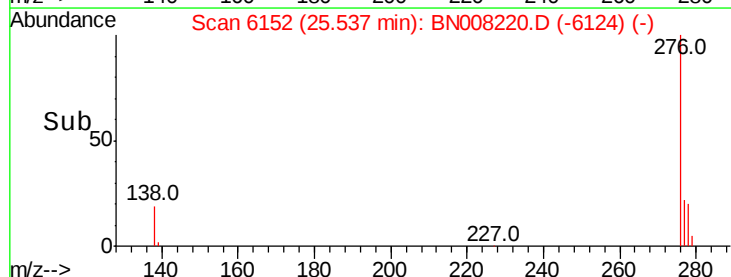
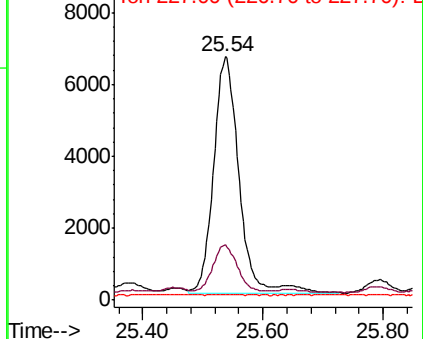
276 100

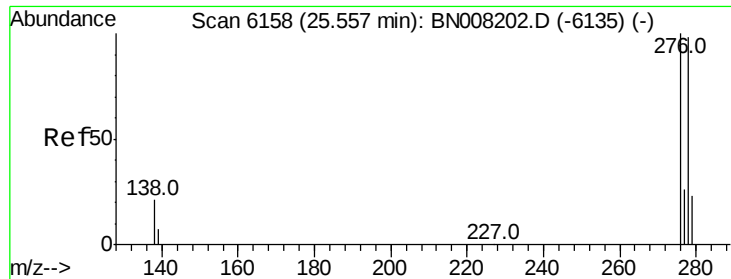
138 18.8 16.1 24.1

227 0.1 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

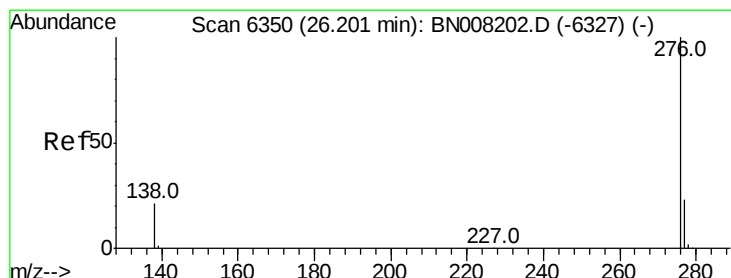
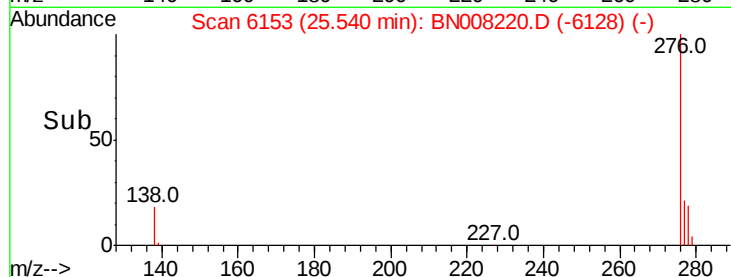
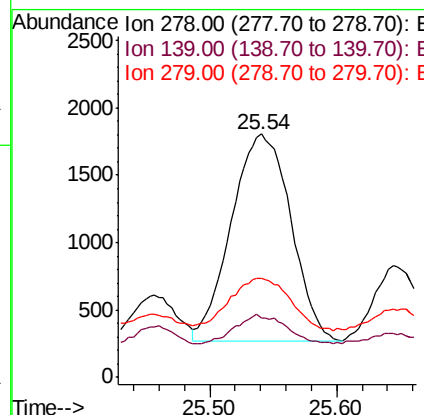
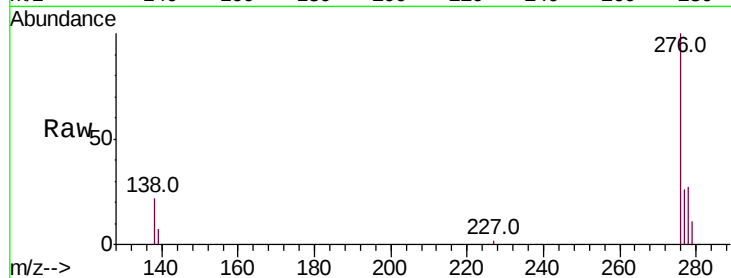




#25
Dibenzo(a,h)anthracene
Concen: 0.134 ng/ul
RT: 25.54 min Scan# 6153
Delta R.T. -0.02 min
Lab File: BN008220.D
Acq: 17 Oct 2019 13:47

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 5014
Ion Ratio Lower Upper
278 100
139 24.6 15.0 22.6#
279 40.7 22.4 33.6#



#26
Benzo(g,h,i)perylene
Concen: 0.399 ng/ul
RT: 26.19 min Scan# 6348
Delta R.T. -0.01 min
Lab File: BN008220.D
Acq: 17 Oct 2019 13:47

Tgt Ion:276 Resp: 17287
Ion Ratio Lower Upper
276 100
138 23.2 17.0 25.4
277 26.2 20.4 30.6

