

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\
 Data File : BN008299.D
 Acq On : 22 Oct 2019 01:25
 Operator : JU
 Sample : K5199-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 22 03:44:54 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 : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

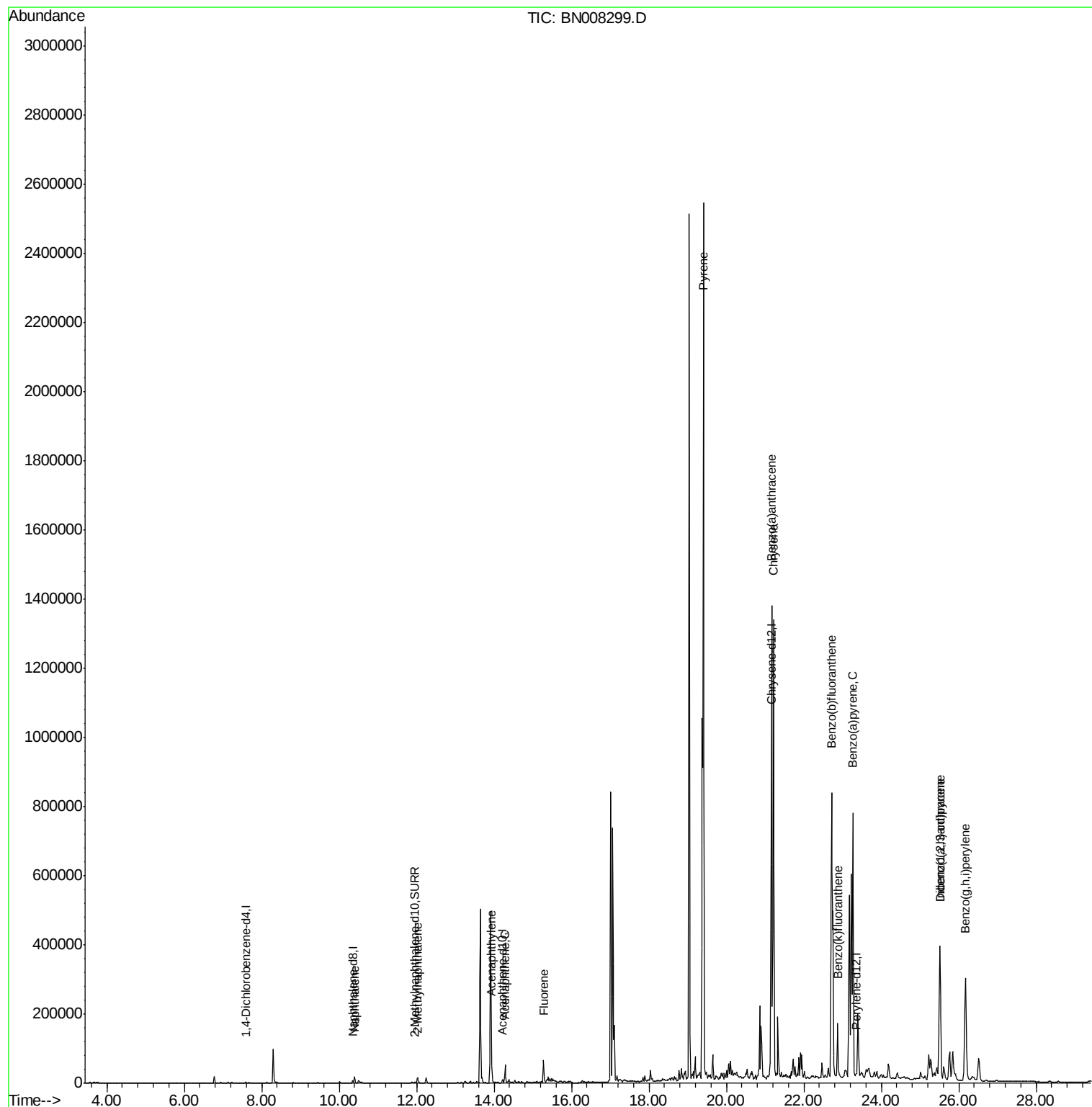
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1709	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	8021	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	5041	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.97
16) Chrysene-d12	21.18	240	10020	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	9888	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	4098	0.30	ng/ul	-0.01
14) Fluoranthene-d10	19.01	212	12138	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	23991	1.051	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	12044	0.769	ng/ul	99
7) Acenaphthylene	13.94	152	53998	2.249	ng/ul	100
8) Acenaphthene	14.28	153	30586	1.638	ng/ul	99
9) Fluorene	15.27	166	40600	1.915	ng/ul	97
17) Pyrene	19.40	202	2121926	53.186	ng/ul	96
18) Benzo(a)anthracene	21.16	228	1161471	31.883	ng/ul	97
19) Chrysene	21.22	228	1269733	28.402	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	1821124	56.576	ng/ul	91
22) Benzo(k)fluoranthene	22.87	252	170812	4.685	ng/ul	100
23) Benzo(a)pyrene	23.26	252	958661	28.302	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.51	276	584701	14.656	ng/ul	99
25) Dibenzo(a,h)anthracene	25.51	278	156582	4.965	ng/ul	97
26) Benzo(g,h,i)perylene	26.17	276	581610	15.899	ng/ul	99

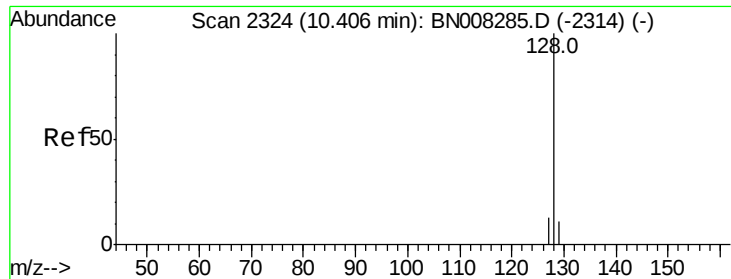
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.051 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

Instrument :

BNA_N

ClientSampleId :

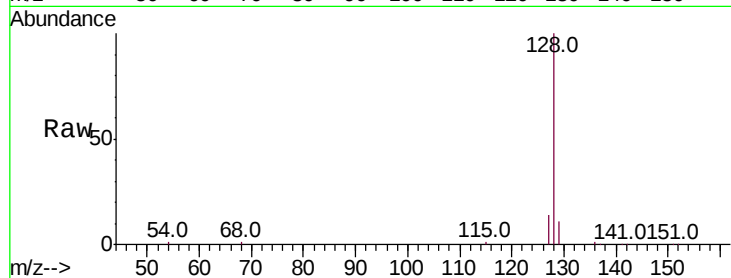
Tot Ion:128 Resp: 23991

Ion Ratio Lower Upper

128 100

129 11.5 9.8 14.8

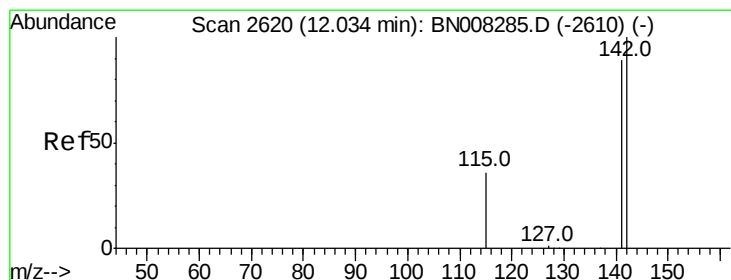
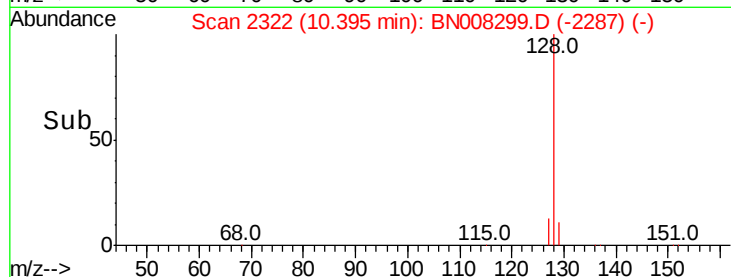
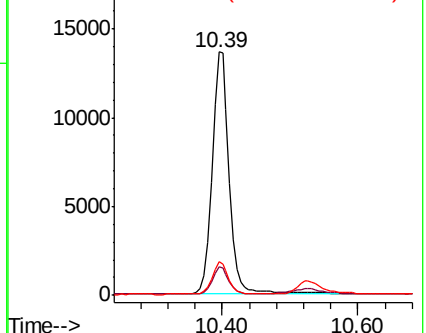
127 13.6 11.1 16.7



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: 0.769 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008299.D

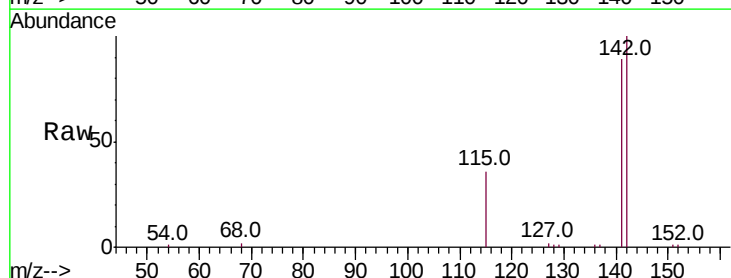
Acq: 22 Oct 2019 01:25

Tgt Ion:142 Resp: 12044

Ion Ratio Lower Upper

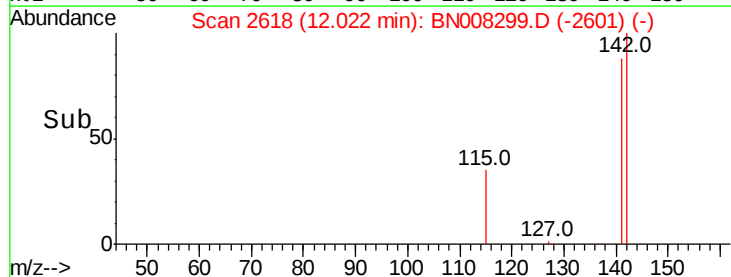
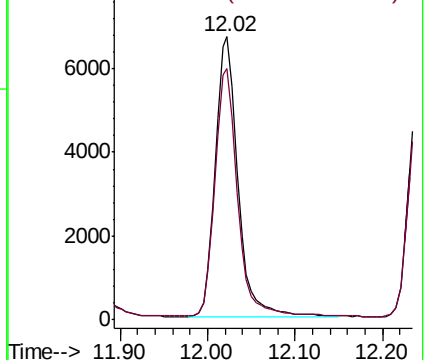
142 100

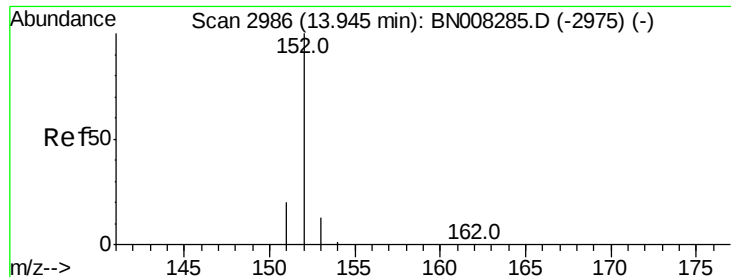
141 88.3 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.249 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

Instrument :

BNA_N

ClientSampleId :

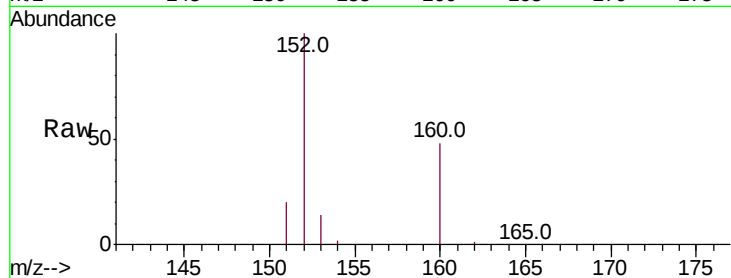
Tot Ion:152 Resp: 53998

Ion Ratio Lower Upper

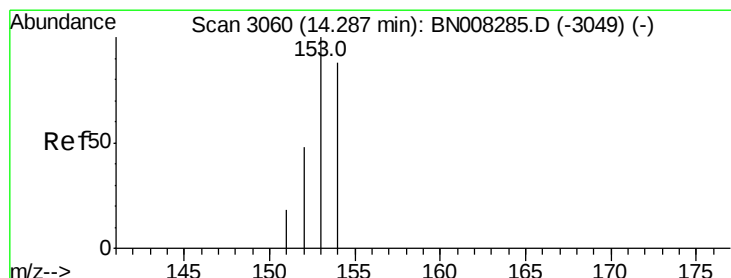
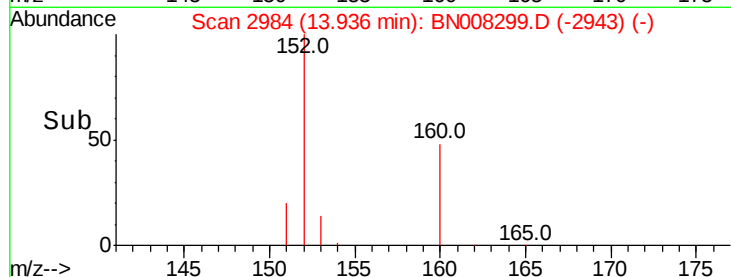
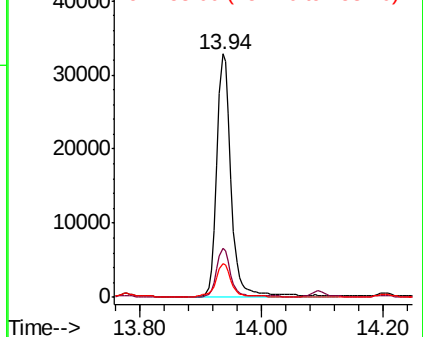
152 100

151 20.3 16.2 24.4

153 13.8 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: 1.638 ng/ul

RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

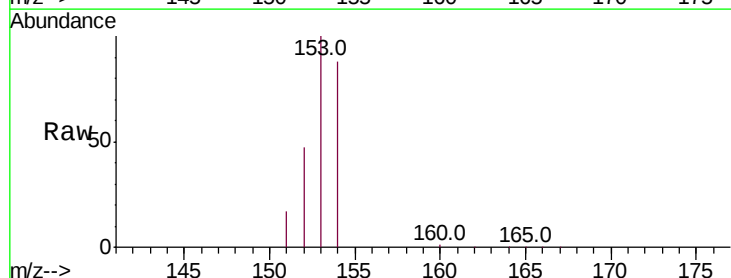
Tgt Ion:153 Resp: 30586

Ion Ratio Lower Upper

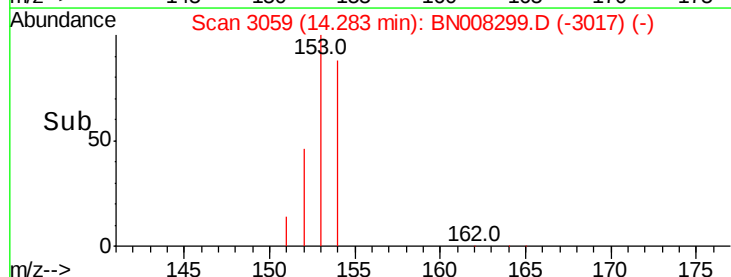
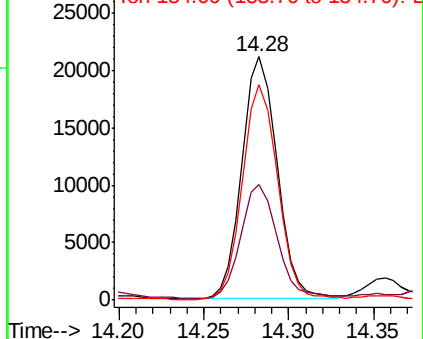
153 100

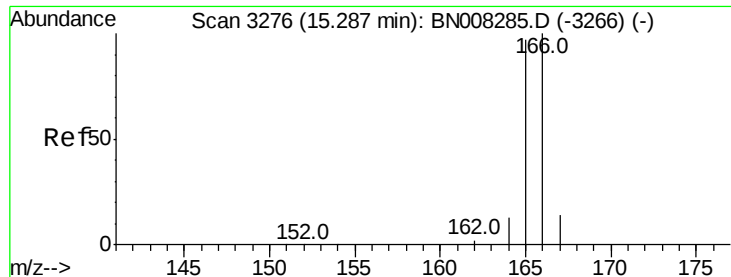
152 47.5 38.2 57.2

154 88.4 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

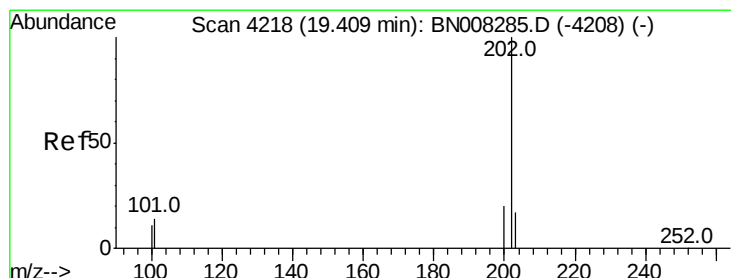
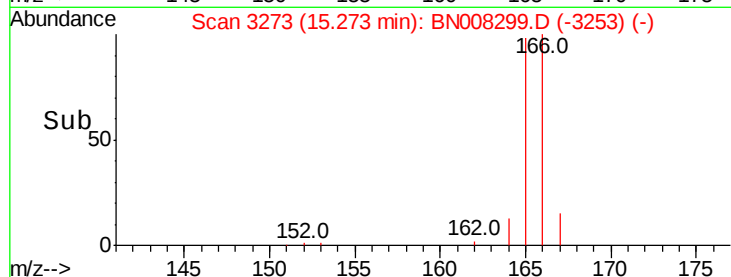
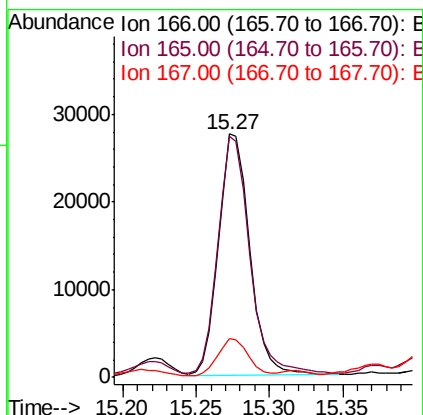
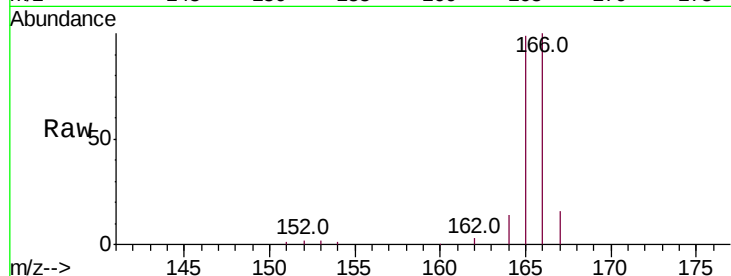




#9
Fluorene
 Concen: 1.915 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008299.D
 Acq: 22 Oct 2019 01:25

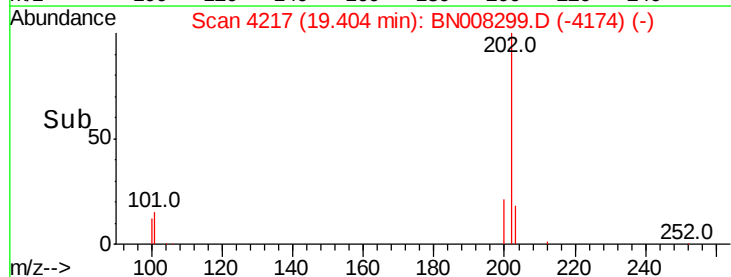
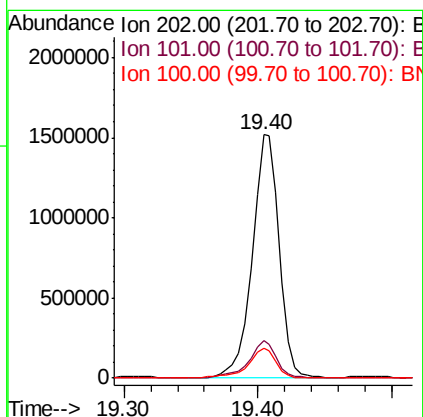
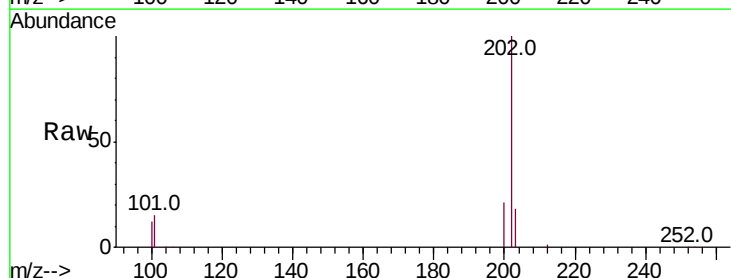
Instrument :
 BNA_N
 ClientSampleId :

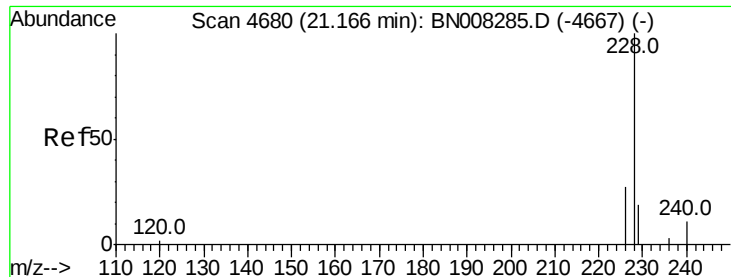
Tot Ion:166 Resp: 40600
 Ion Ratio Lower Upper
 166 100
 165 99.0 76.6 115.0
 167 15.9 11.7 17.5



#17
Pyrene
 Concen: 53.186 ng/ul
 RT: 19.40 min Scan# 4217
 Delta R.T. -0.00 min
 Lab File: BN008299.D
 Acq: 22 Oct 2019 01:25

Tgt Ion:202 Resp: 2121926
 Ion Ratio Lower Upper
 202 100
 101 15.2 10.9 16.3
 100 12.5 8.7 13.1





#18

Benzo(a)anthracene

Concen: 31.883 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

Instrument :

BNA_N

ClientSampleId :

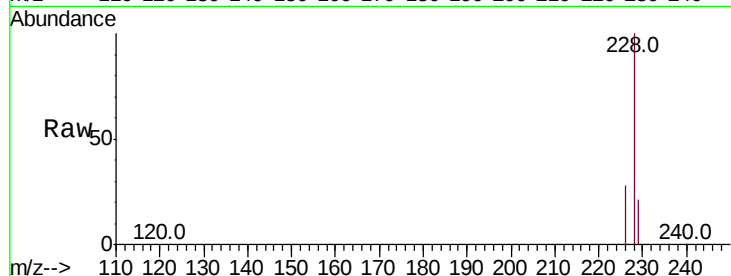
Tot Ion:228 Resp: 1161471

Ion Ratio Lower Upper

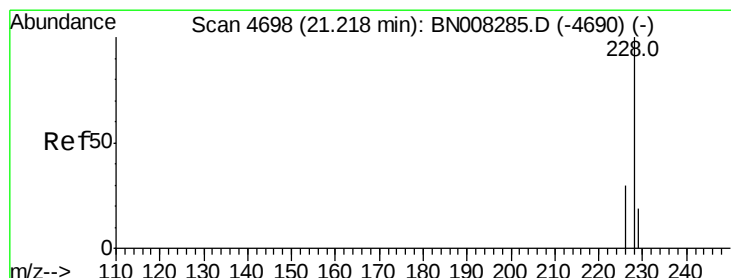
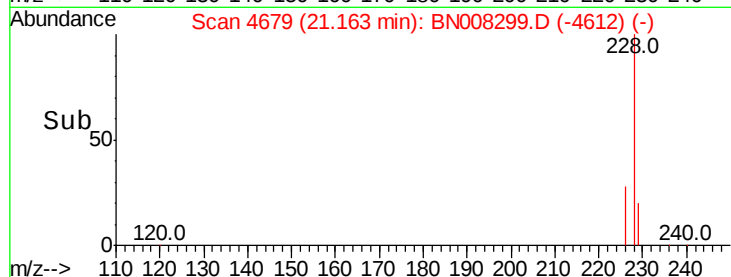
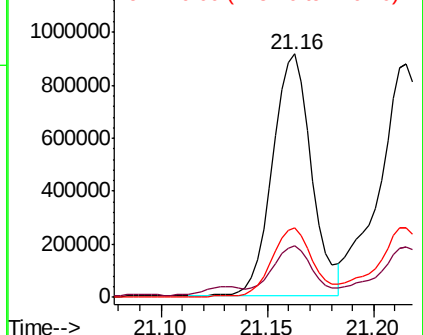
228 100

229 21.3 16.2 24.2

226 28.3 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: 28.402 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. -0.00 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

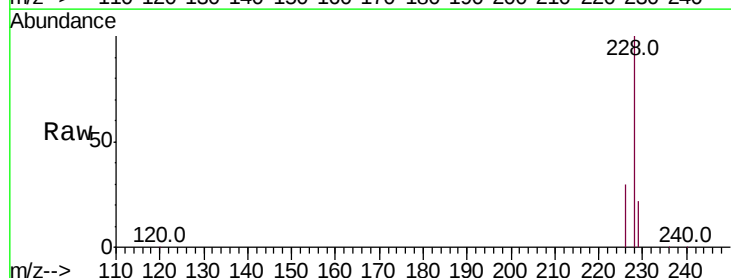
Tgt Ion:228 Resp: 1269733

Ion Ratio Lower Upper

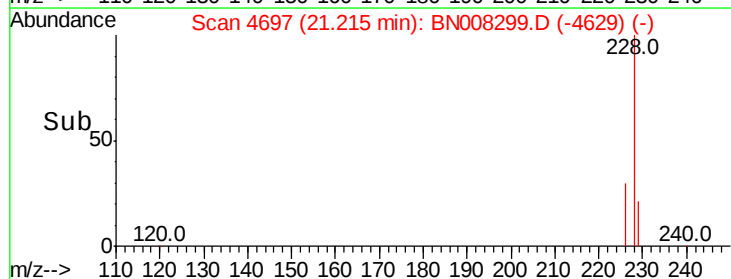
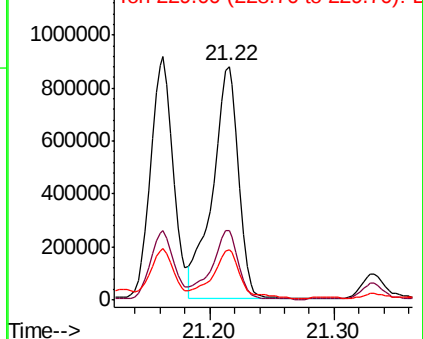
228 100

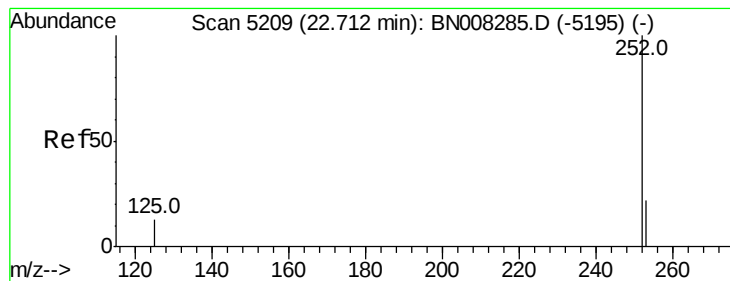
226 29.9 24.1 36.1

229 21.8 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: 56.576 ng/ul

RT: 22.71 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

Instrument :

BNA_N

ClientSampleId :

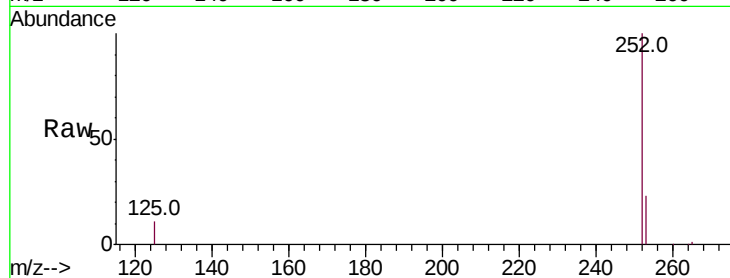
Tot Ion:252 Resp: 1821124

Ion Ratio Lower Upper

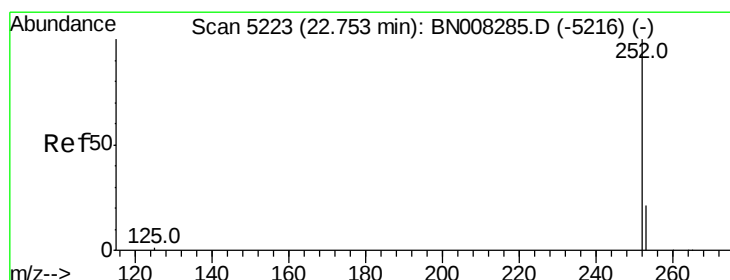
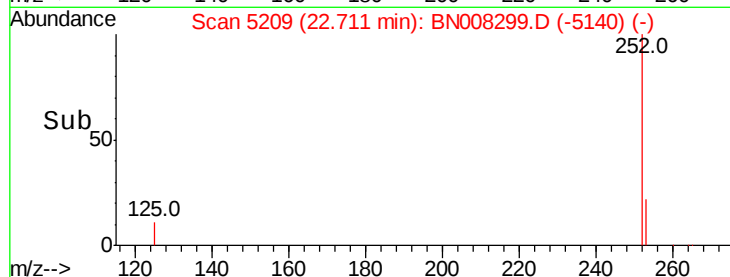
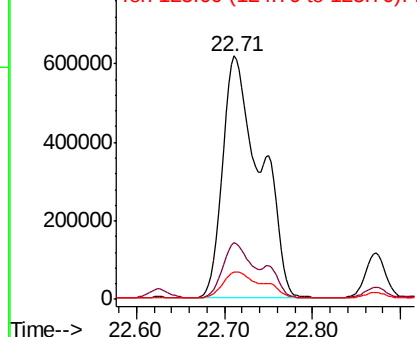
252 100

253 23.1 0.0 53.4

125 11.2 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: 4.685 ng/ul

RT: 22.87 min Scan# 5264

Delta R.T. 0.12 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

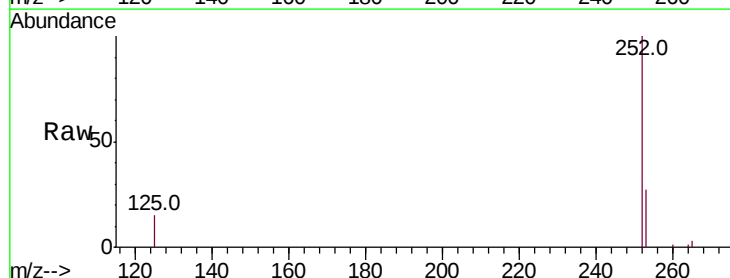
Tgt Ion:252 Resp: 170812

Ion Ratio Lower Upper

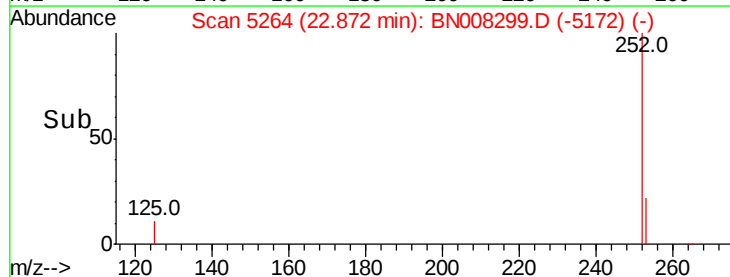
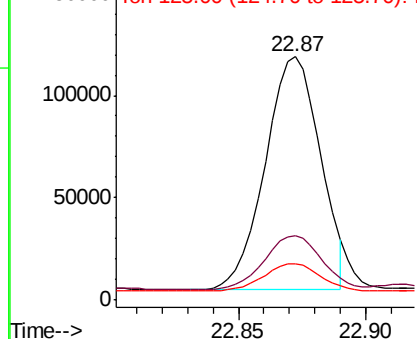
252 100

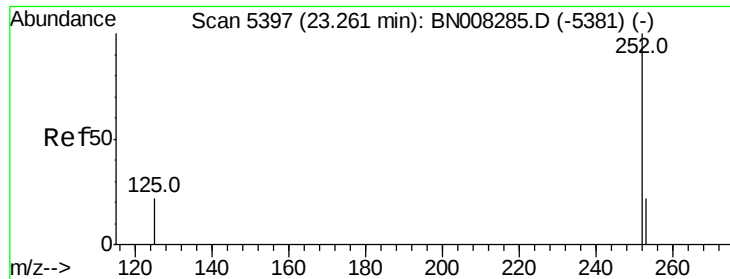
253 26.6 21.3 31.9

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: 28.302 ng/ul

RT: 23.26 min Scan# 5398

Delta R.T. 0.00 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

Instrument :

BNA_N

ClientSampleId :

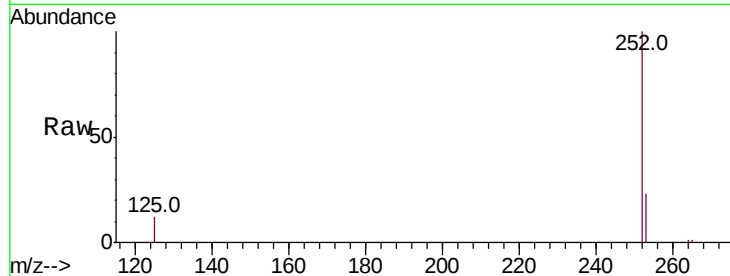
Tot Ion:252 Resp: 958661

Ion Ratio Lower Upper

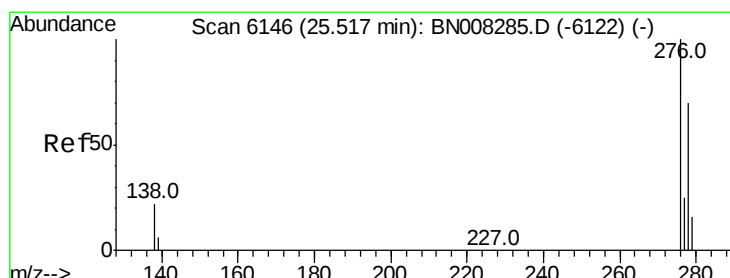
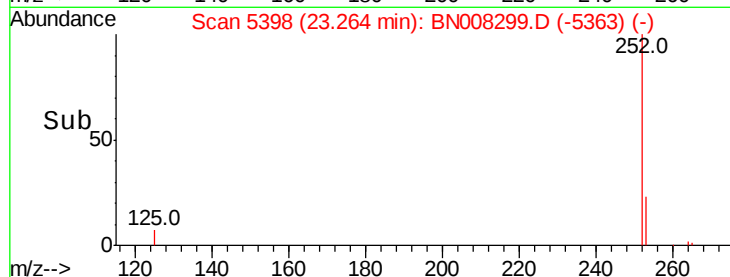
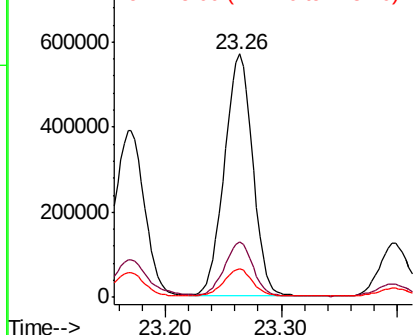
252 100

253 22.8 22.8 34.2#

125 11.7 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: 14.656 ng/ul

RT: 25.51 min Scan# 6145

Delta R.T. 0.00 min

Lab File: BN008299.D

Acq: 22 Oct 2019 01:25

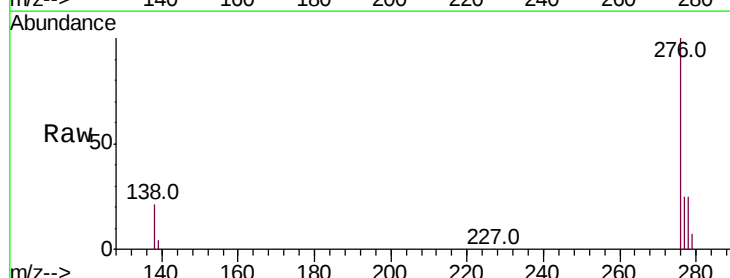
Tgt Ion:276 Resp: 584701

Ion Ratio Lower Upper

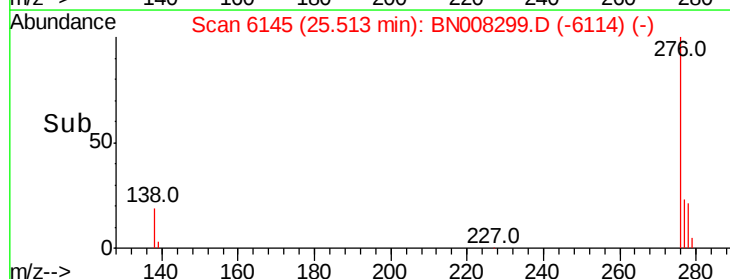
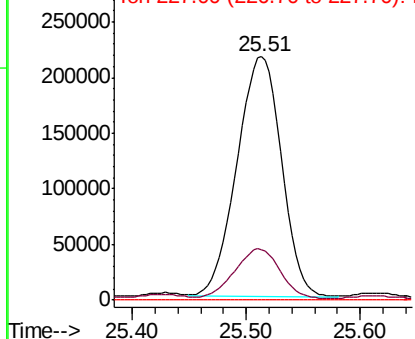
276 100

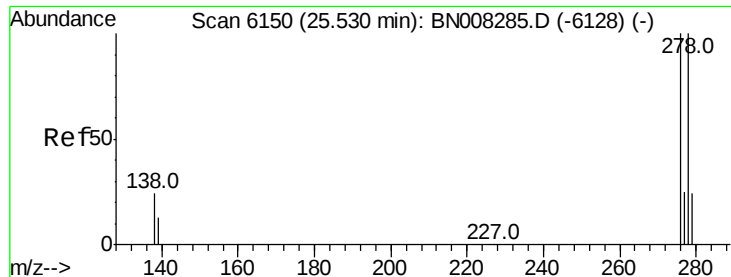
138 20.6 16.1 24.1

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

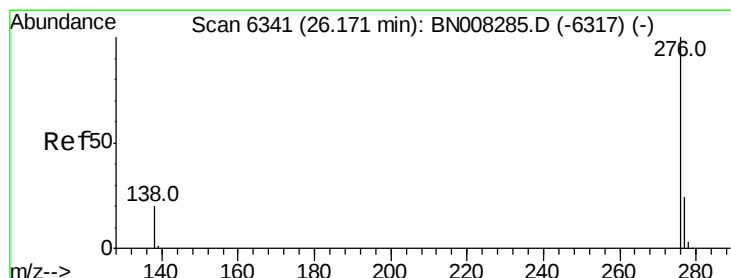
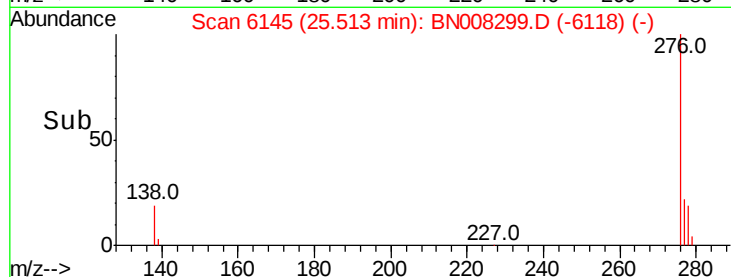
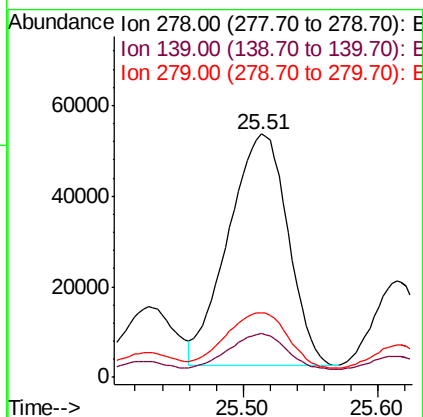
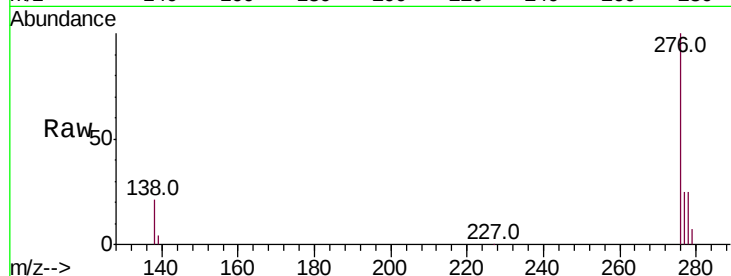




#25
Dibenzo(a,h)anthracene
Concen: 4.965 ng/ul
RT: 25.51 min Scan# 6145
Delta R.T. -0.01 min
Lab File: BN008299.D
Acq: 22 Oct 2019 01:25

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 156582
Ion Ratio Lower Upper
278 100
139 17.9 15.0 22.6
279 26.5 22.4 33.6



#26
Benzo(g,h,i)perylene
Concen: 15.899 ng/ul
RT: 26.17 min Scan# 6342
Delta R.T. 0.01 min
Lab File: BN008299.D
Acq: 22 Oct 2019 01:25

Tgt Ion:276 Resp: 581610
Ion Ratio Lower Upper
276 100
138 21.0 17.0 25.4
277 24.3 20.4 30.6

