

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009238.D
 Acq On : 28 Dec 2019 21:04
 Operator : JU
 Sample : K6278-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 04:44:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 04:38:59 2019
 Response via : Initial Calibration

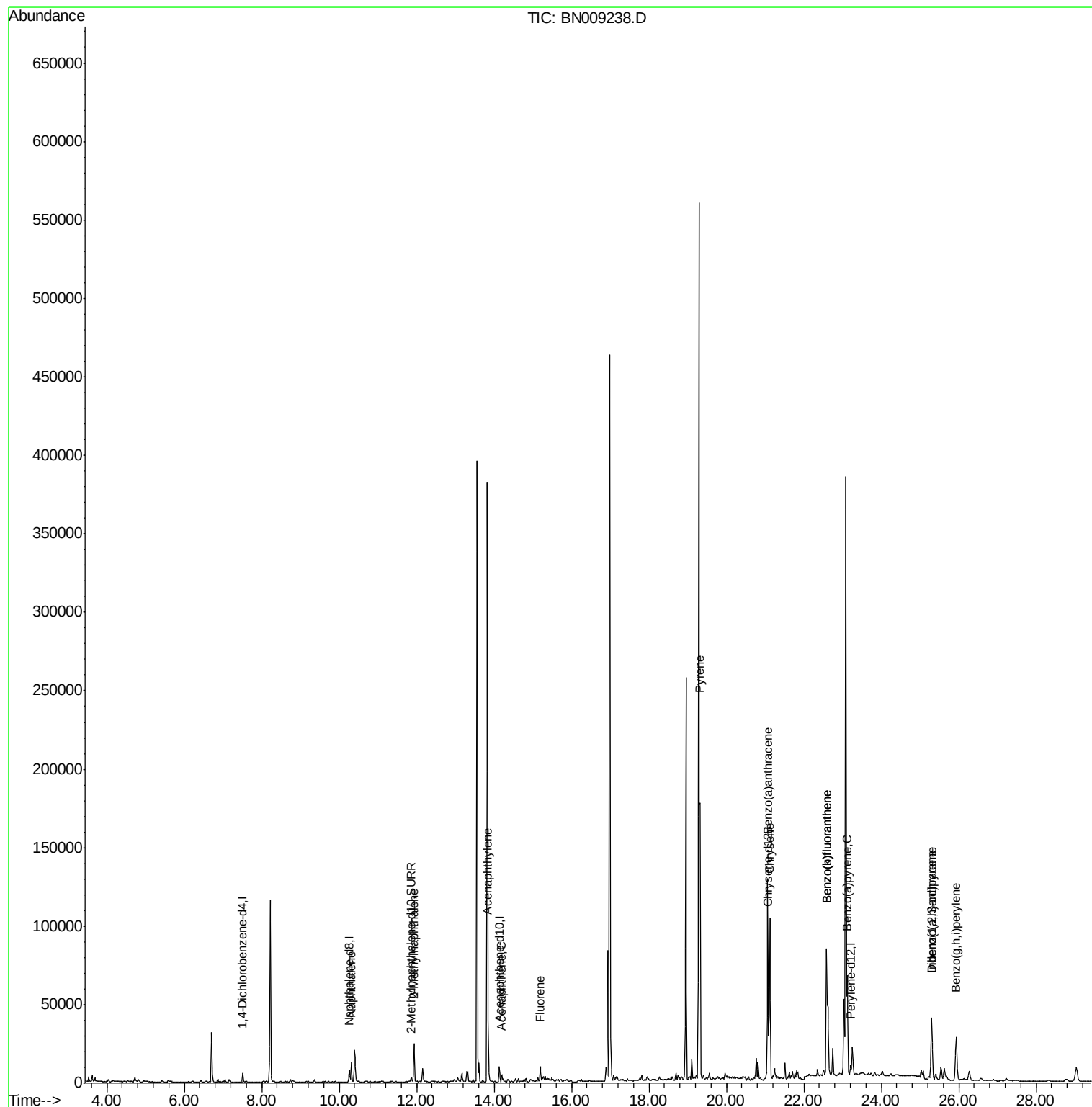
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2344	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8542	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4862	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.89
16) Chrysene-d12	21.09	240	7523	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7641	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	3297	0.22	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	6929	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	16292	0.629	ng/ul	99
5) 2-Methylnaphthalene	11.93	142	17720	0.905	ng/ul	100
7) Acenaphthylene	13.85	152	19503	0.764	ng/ul	99
8) Acenaphthene	14.20	153	3077	0.154	ng/ul	96
9) Fluorene	15.19	166	5537	0.234	ng/ul#	94
17) Pyrene	19.32	202	176369	4.595	ng/ul	99
18) Benzo(a)anthracene	21.07	228	102700	3.074	ng/ul	96
19) Chrysene	21.12	228	99353	2.959	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	168657	4.727	ng/ul	96
22) Benzo(k)fluoranthene	22.59	252	168657	4.688	ng/ul#	95
23) Benzo(a)pyrene	23.12	252	78146	2.499	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.30	276	54629	1.604	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	14491	0.535	ng/ul#	90
26) Benzo(g,h,i)perylene	25.94	276	52129	1.817	ng/ul	98

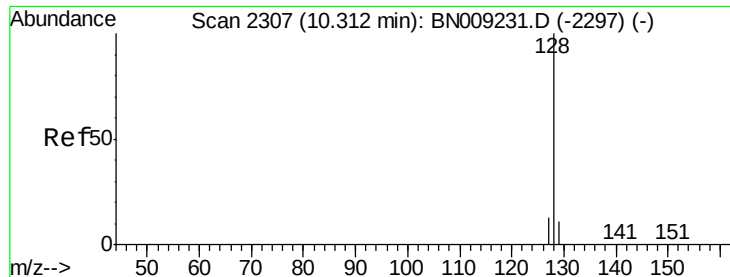
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.629 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

Instrument :

BNA_N

ClientSampleId :

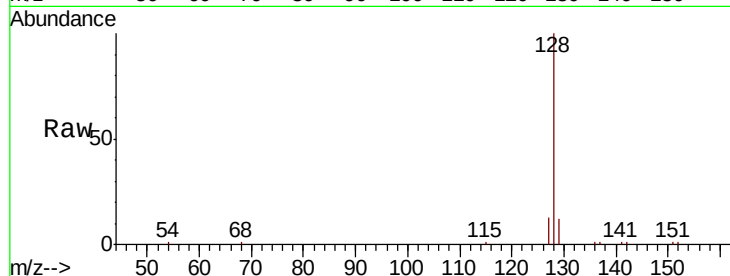
Tot Ion:128 Resp: 16292

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.4

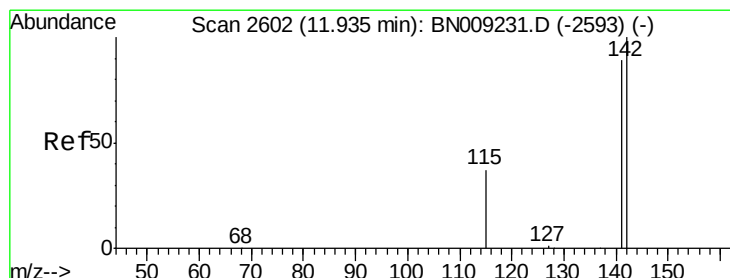
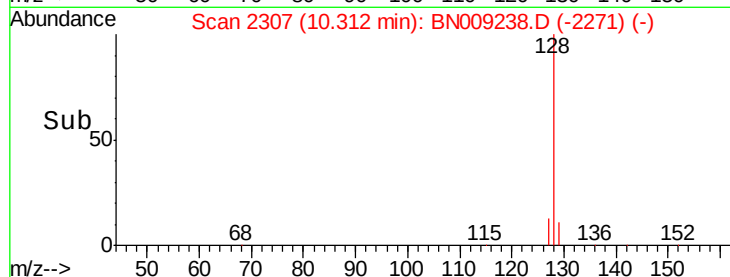
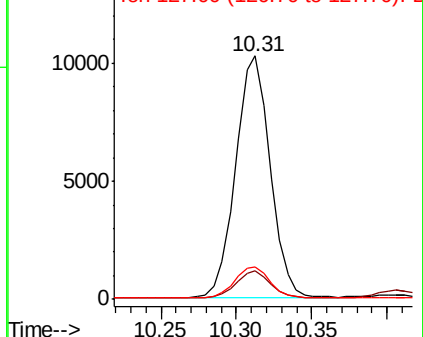
127 13.5 10.9 16.3



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: 0.905 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009238.D

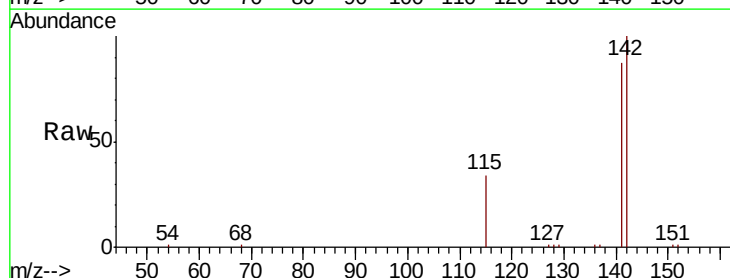
Acq: 28 Dec 2019 21:04

Tgt Ion:142 Resp: 17720

Ion Ratio Lower Upper

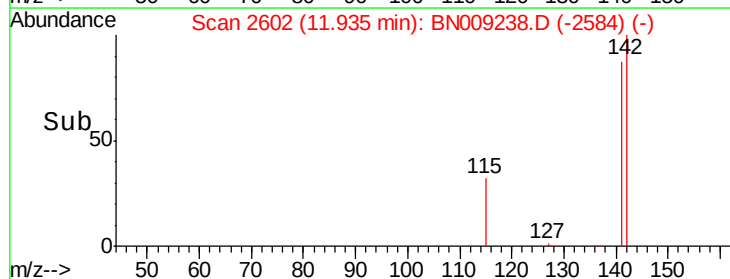
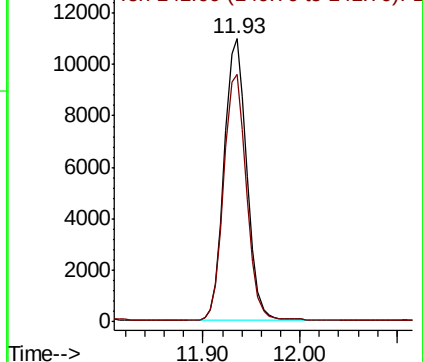
142 100

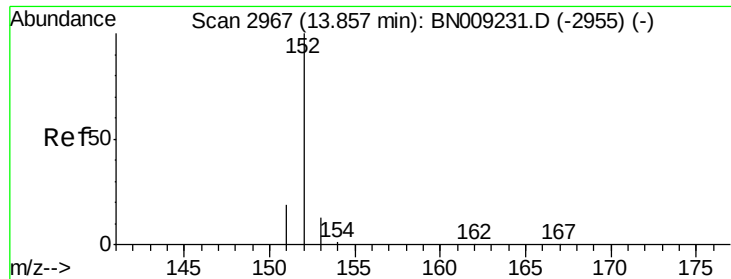
141 87.8 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.764 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

Instrument :

BNA_N

ClientSampleId :

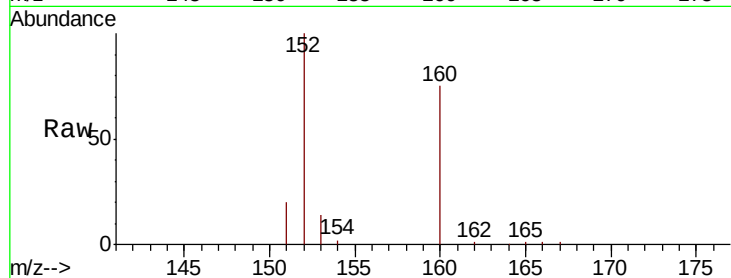
Tot Ion:152 Resp: 19503

Ion Ratio Lower Upper

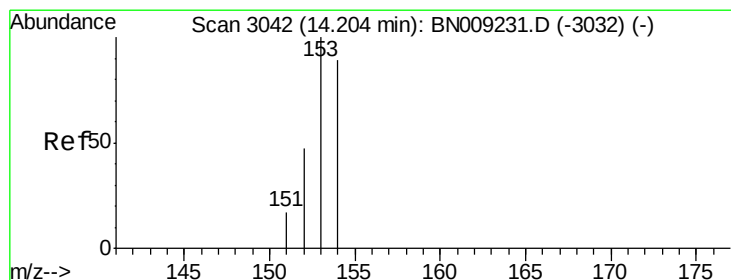
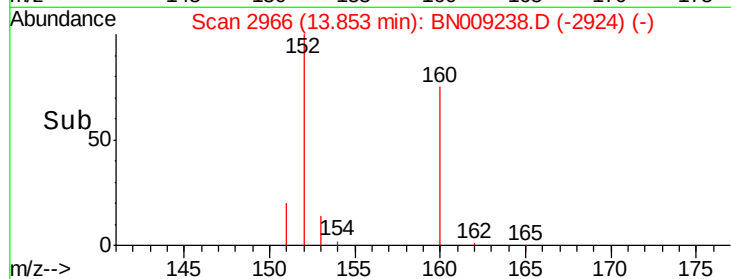
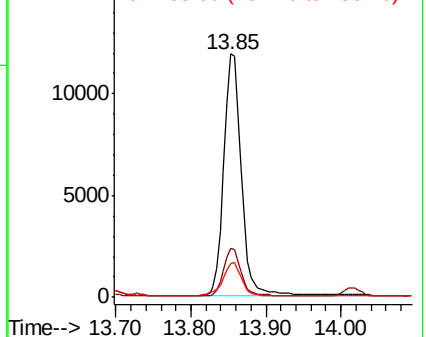
152 100

151 20.1 15.7 23.5

153 14.0 10.8 16.2



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: 0.154 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

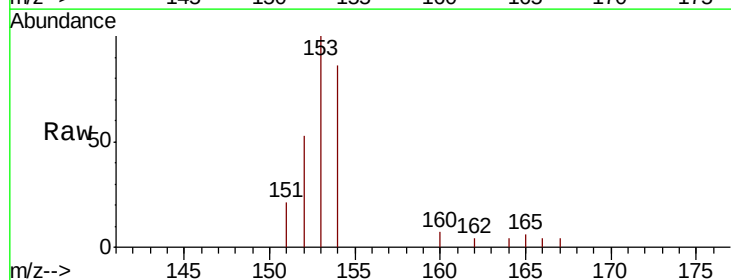
Tgt Ion:153 Resp: 3077

Ion Ratio Lower Upper

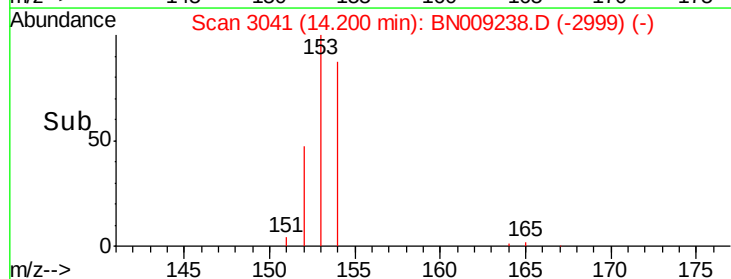
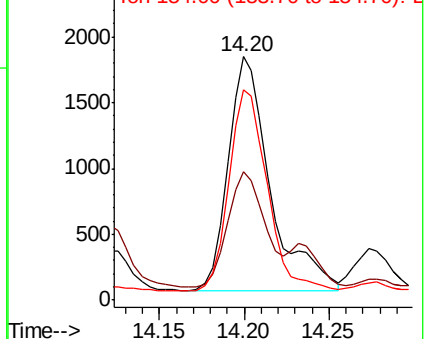
153 100

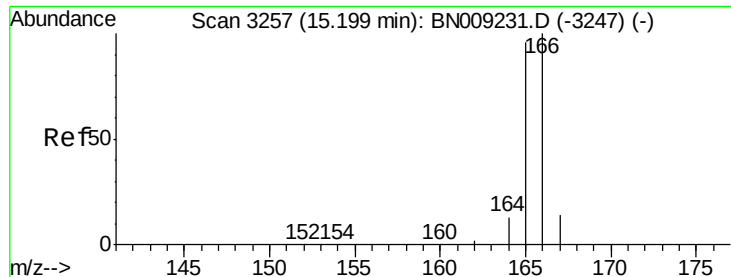
152 52.9 39.5 59.3

154 86.5 71.3 106.9



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

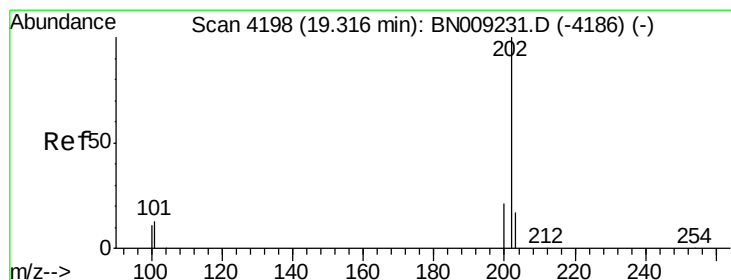
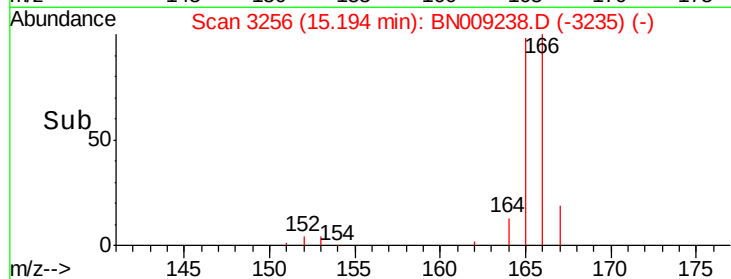
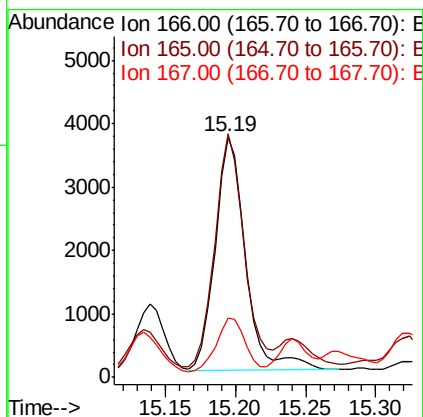
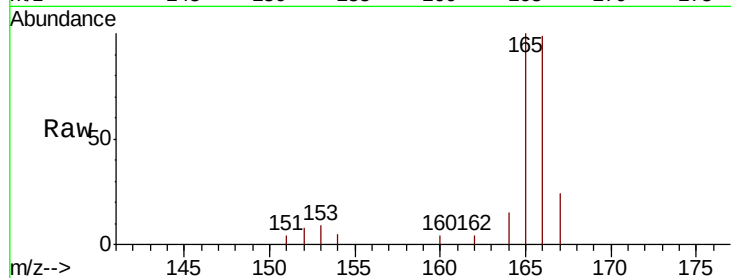




#9
Fluorene
 Concen: 0.234 ng/ul
 RT: 15.19 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: BN009238.D
 Acq: 28 Dec 2019 21:04

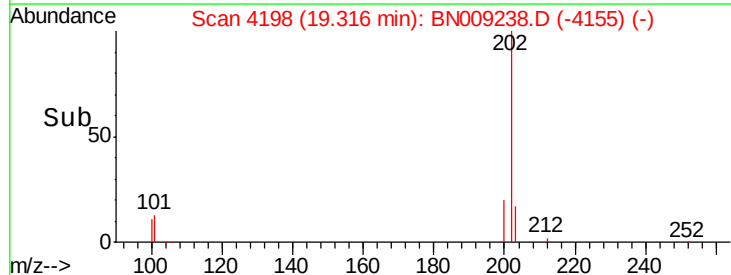
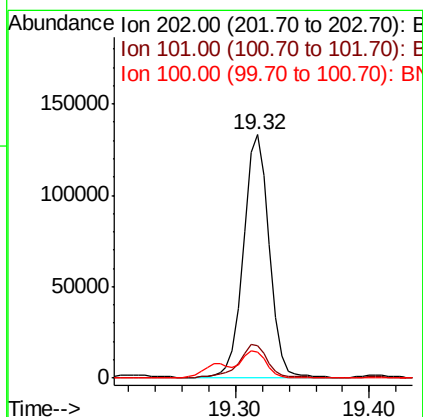
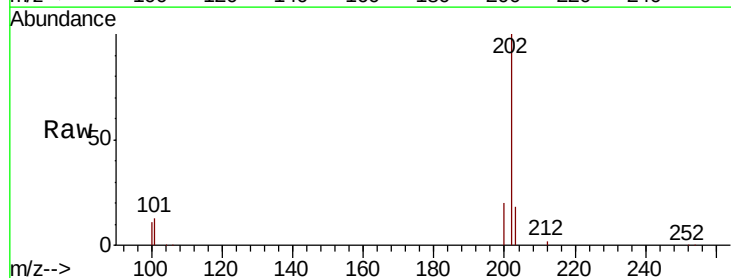
Instrument :
 BNA_N
 ClientSampleId :

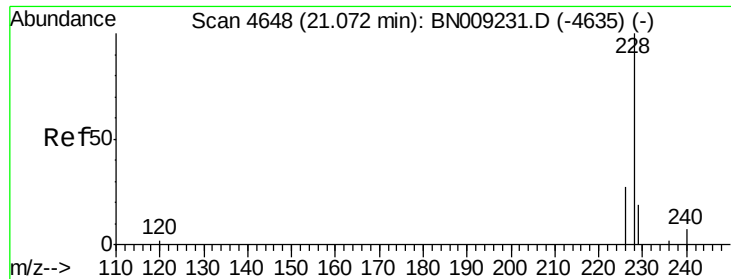
Tot Ion:166 Resp: 5537
 Ion Ratio Lower Upper
 166 100
 165 101.3 78.2 117.4
 167 24.8 11.0 16.6#



#17
Pyrene
 Concen: 4.595 ng/ul
 RT: 19.32 min Scan# 4198
 Delta R.T. 0.00 min
 Lab File: BN009238.D
 Acq: 28 Dec 2019 21:04

Tgt Ion:202 Resp: 176369
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.9 16.3
 100 10.9 9.0 13.6





#18

Benzo(a)anthracene

Concen: 3.074 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

Instrument :

BNA_N

ClientSampleId :

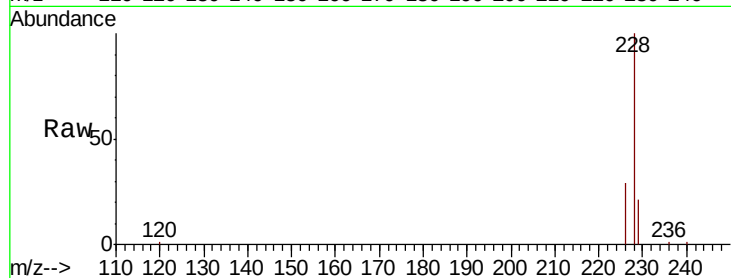
Tot Ion:228 Resp: 102700

Ion Ratio Lower Upper

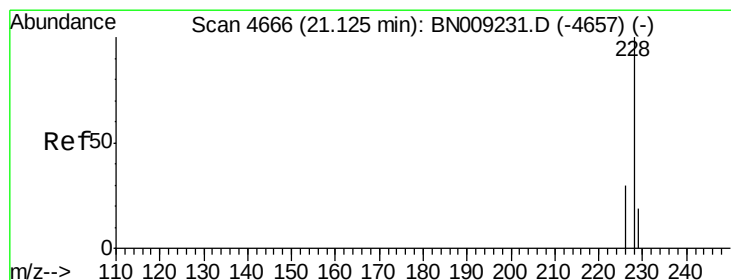
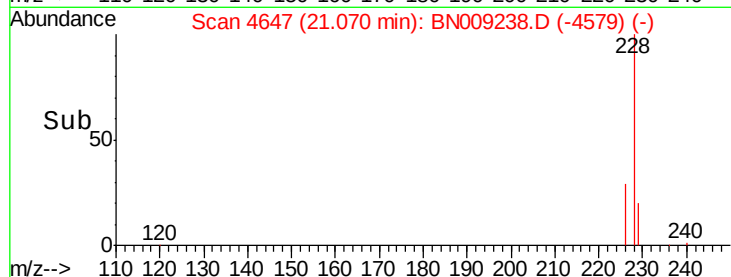
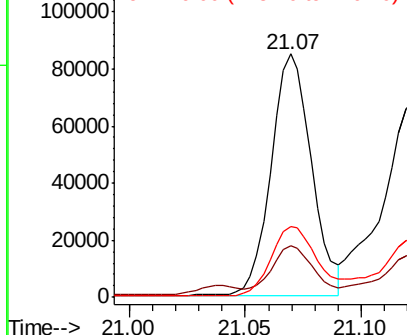
228 100

229 21.0 15.5 23.3

226 29.3 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: 2.959 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

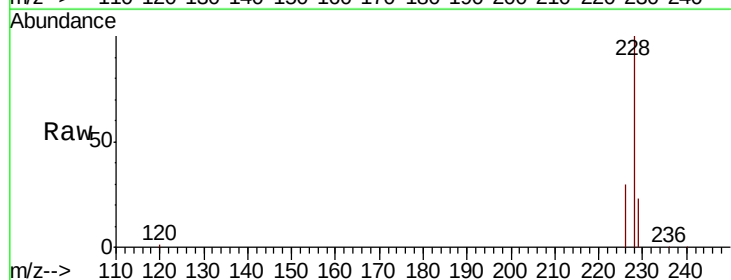
Tgt Ion:228 Resp: 99353

Ion Ratio Lower Upper

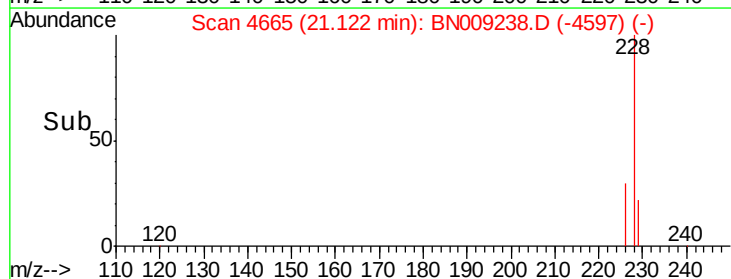
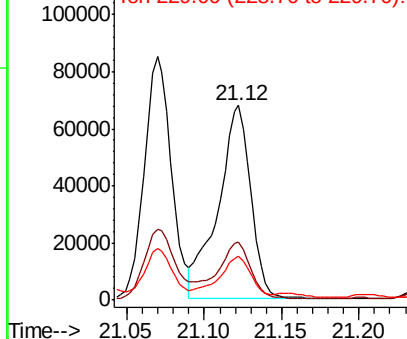
228 100

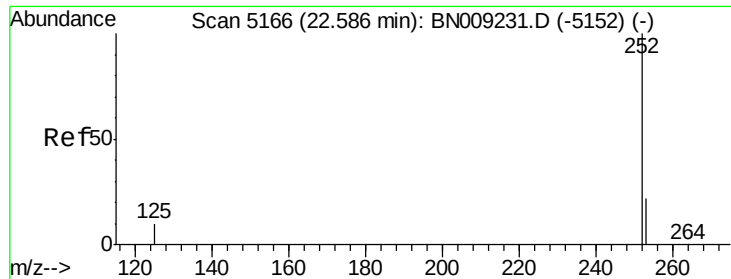
226 29.9 23.7 35.5

229 22.8 15.4 23.0



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: 4.727 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

Instrument :

BNA_N

ClientSampleId :

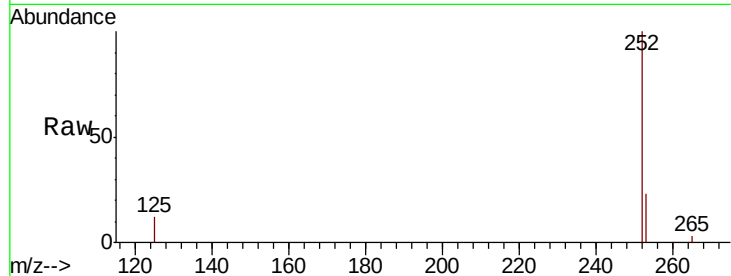
Tot Ion:252 Resp: 168657

Ion Ratio Lower Upper

252 100

253 23.0 0.0 48.2

125 12.2 0.0 30.0

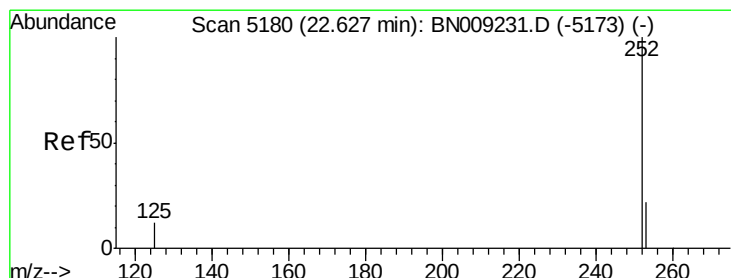
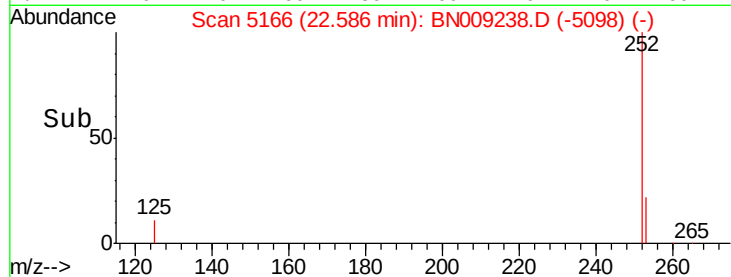
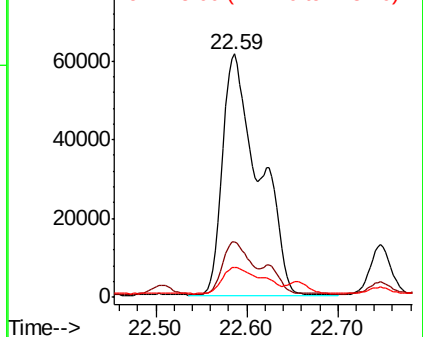


Abundance

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: 4.688 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

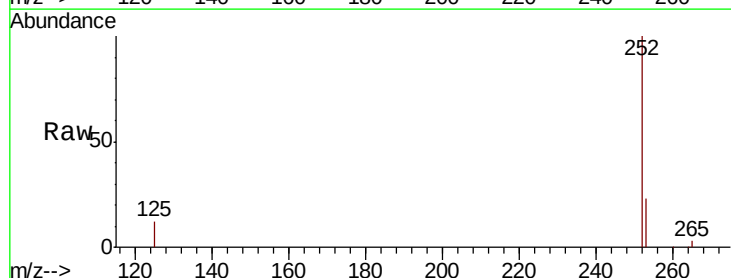
Tgt Ion:252 Resp: 168657

Ion Ratio Lower Upper

252 100

253 23.0 19.4 29.0

125 12.2 12.4 18.6#

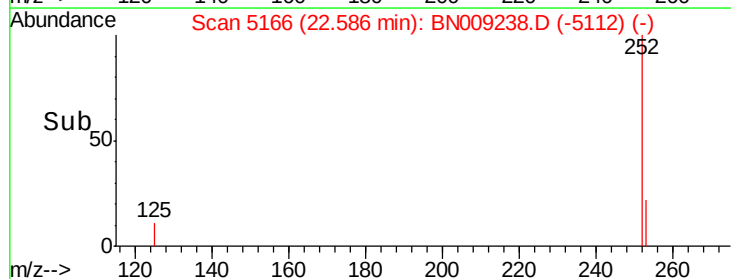
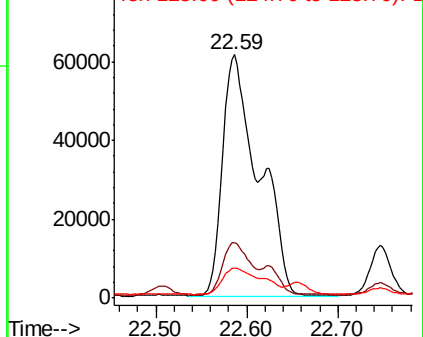


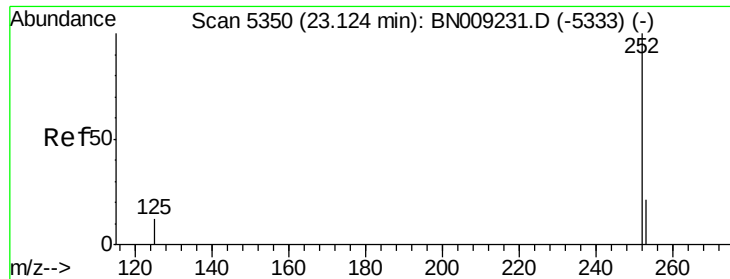
Abundance

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





#23

Benzo(a)pyrene

Concen: 2.499 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

Instrument :

BNA_N

ClientSampleId :

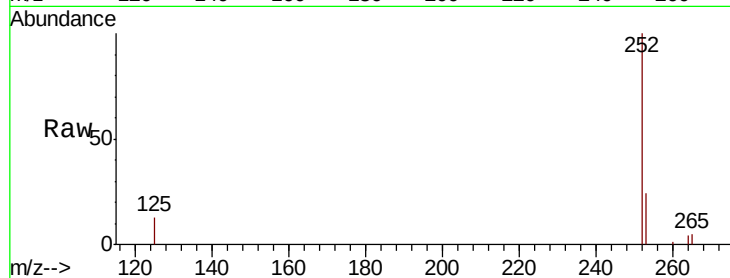
Tot Ion:252 Resp: 78146

Ion Ratio Lower Upper

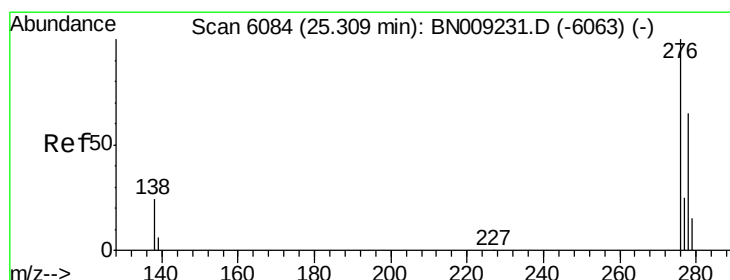
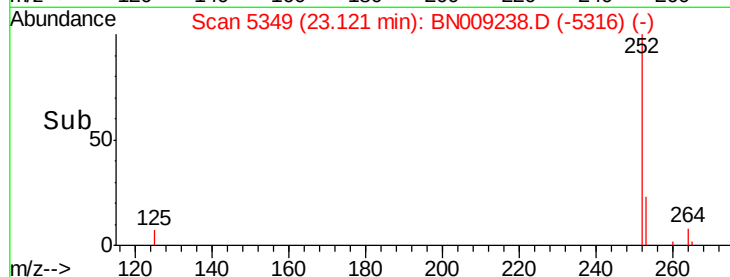
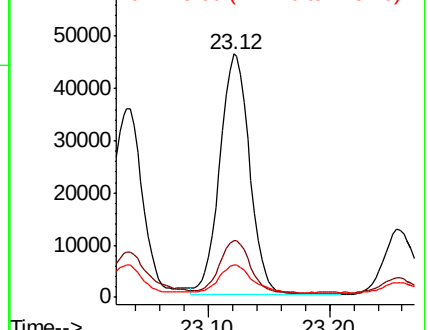
252 100

253 23.5 20.2 30.4

125 13.3 13.2 19.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.604 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009238.D

Acq: 28 Dec 2019 21:04

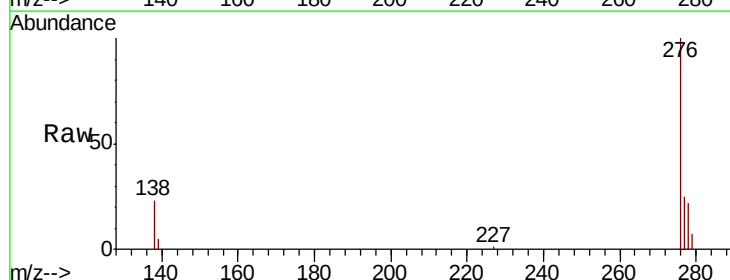
Tgt Ion:276 Resp: 54629

Ion Ratio Lower Upper

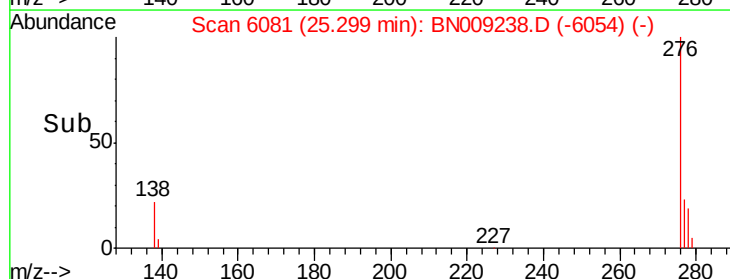
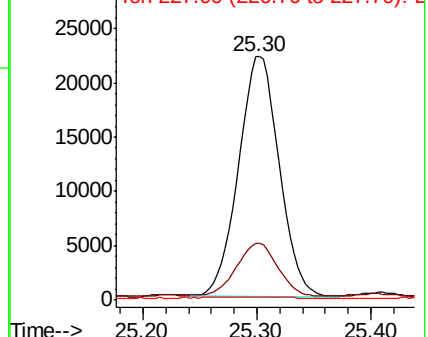
276 100

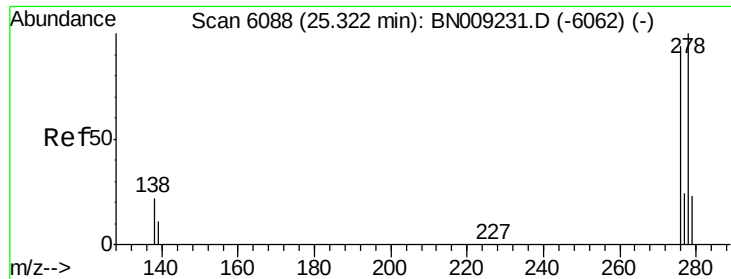
138 22.1 22.4 33.6#

227 0.4 0.2 0.4#



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

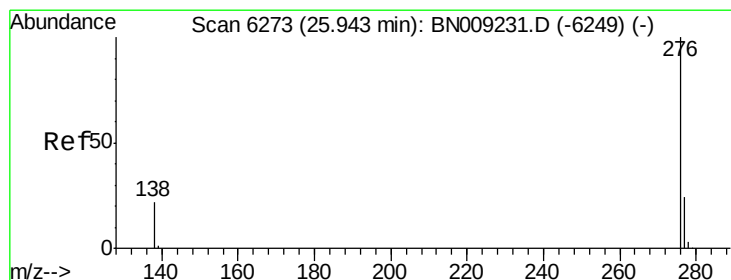
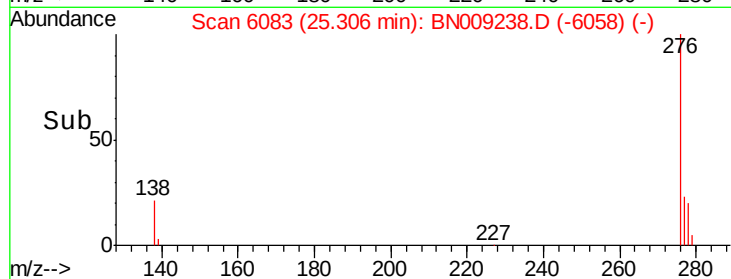
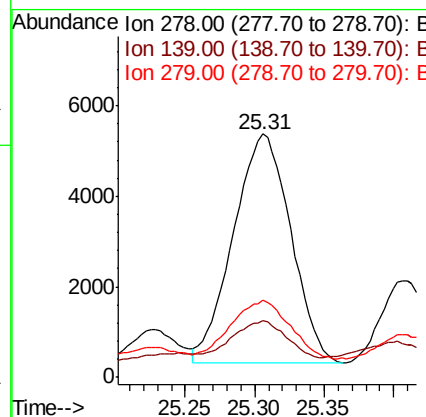
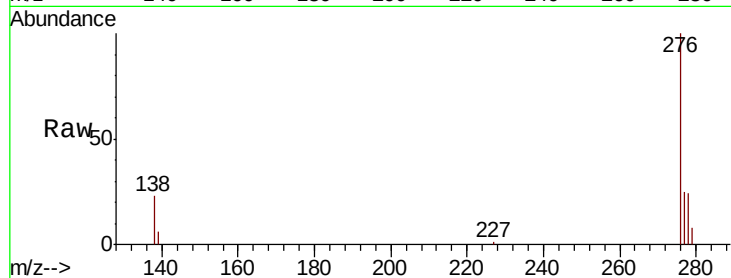




#25
Dibenzo(a,h)anthracene
Concen: 0.535 ng/ul
RT: 25.31 min Scan# 6083
Delta R.T. -0.02 min
Lab File: BN009238.D
Acq: 28 Dec 2019 21:04

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 14491
Ion Ratio Lower Upper
278 100
139 23.1 16.2 24.2
279 31.6 20.3 30.5#



#26
Benzo(g,h,i)perylene
Concen: 1.817 ng/ul
RT: 25.94 min Scan# 6271
Delta R.T. -0.01 min
Lab File: BN009238.D
Acq: 28 Dec 2019 21:04

Tgt Ion:276 Resp: 52129
Ion Ratio Lower Upper
276 100
138 23.9 20.6 30.8
277 24.3 19.6 29.4

