

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009240.D
 Acq On : 28 Dec 2019 22:16
 Operator : JU
 Sample : K6278-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 04:44:20 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

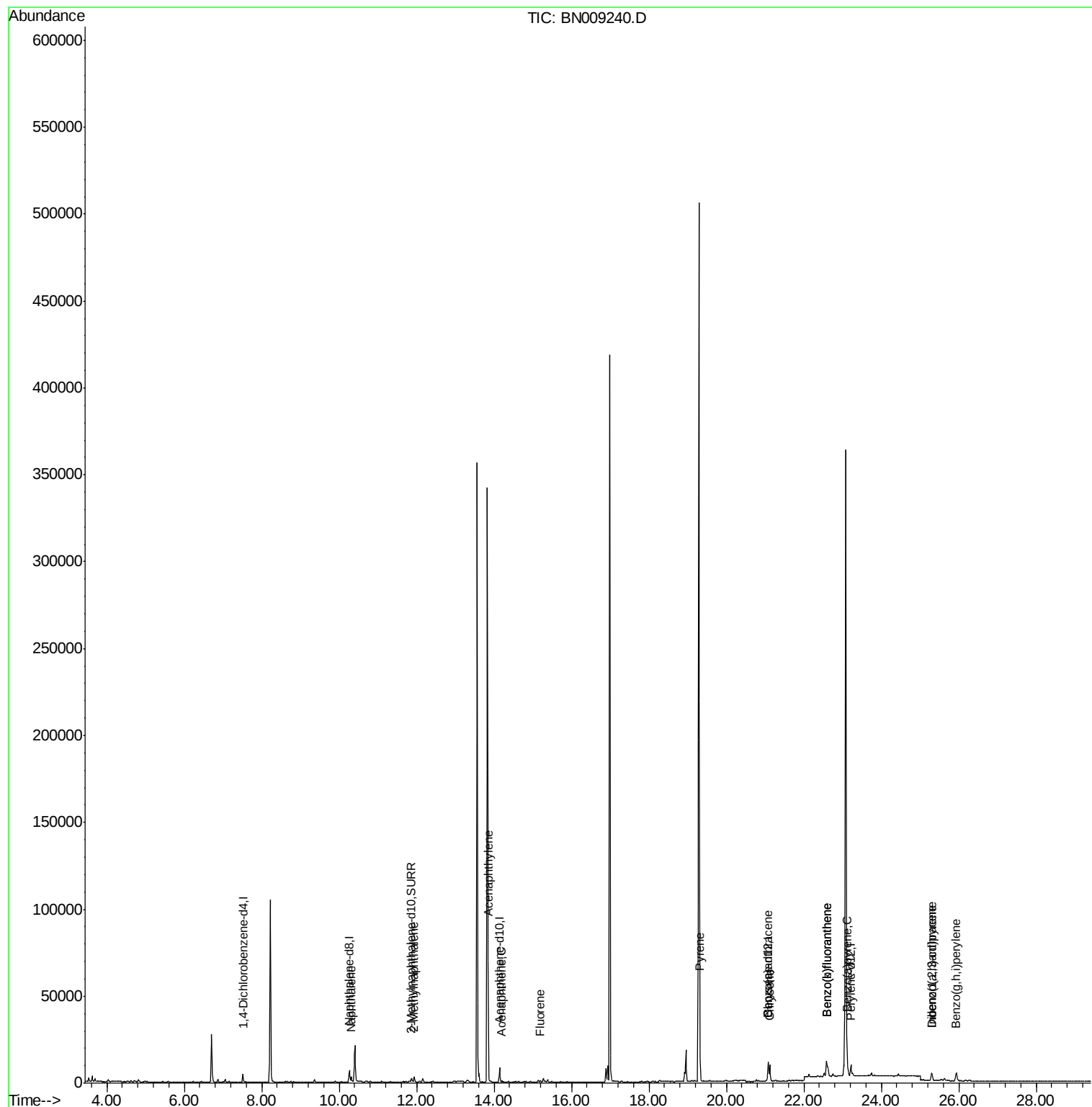
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2233	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8190	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4509	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.89
16) Chrysene-d12	21.09	240	7312	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7550	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	2891	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	6031	0.00	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.31	128	3520	0.142	ng/ul#	95
5) 2-Methylnaphthalene	11.93	142	2075	0.111	ng/ul	99
7) Acenaphthylene	13.85	152	1460	0.062	ng/ul#	85
8) Acenaphthene	14.20	153	454	0.024	ng/ul#	93
9) Fluorene	15.19	166	492	0.022	ng/ul#	85
17) Pyrene	19.32	202	14027	0.376	ng/ul	100
18) Benzo(a)anthracene	21.07	228	7287	0.224	ng/ul#	92
19) Chrysene	21.12	228	9572	0.293	ng/ul#	94
21) Benzo(b)fluoranthene	22.59	252	17685	0.502	ng/ul	89
22) Benzo(k)fluoranthene	22.59	252	17685	0.498	ng/ul#	90
23) Benzo(a)pyrene	23.12	252	7631	0.247	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.30	276	6699	0.199	ng/ul#	47
25) Dibenzo(a,h)anthracene	25.31	278	2160	0.081	ng/ul#	49
26) Benzo(g,h,i)perylene	25.94	276	8480	0.299	ng/ul	95

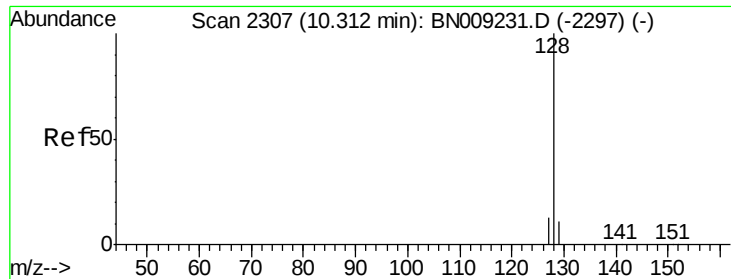
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.142 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

Instrument :

BNA_N

ClientSampleId :

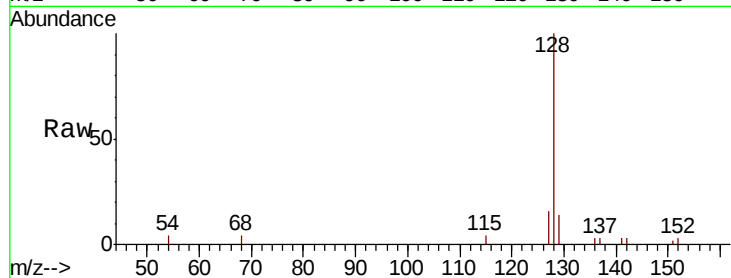
Tot Ion:128 Resp: 3520

Ion Ratio Lower Upper

128 100

129 13.6 9.0 13.4#

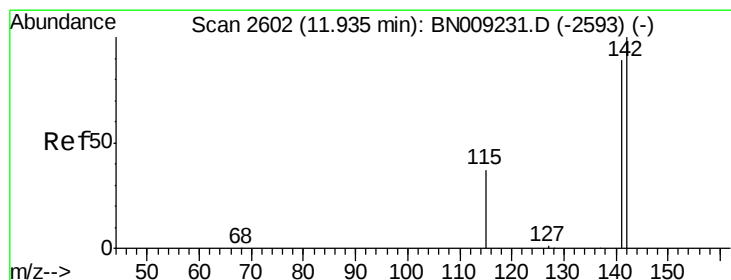
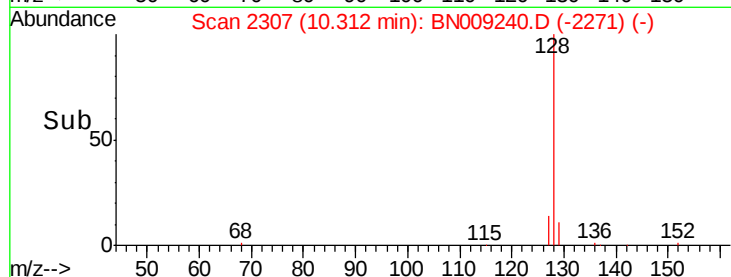
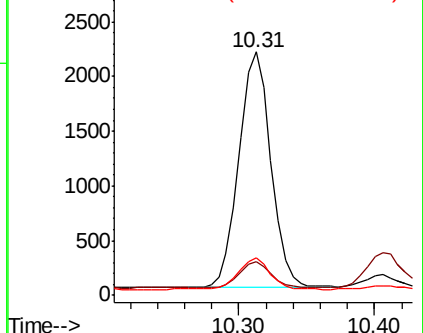
127 15.5 10.9 16.3



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: 0.111 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009240.D

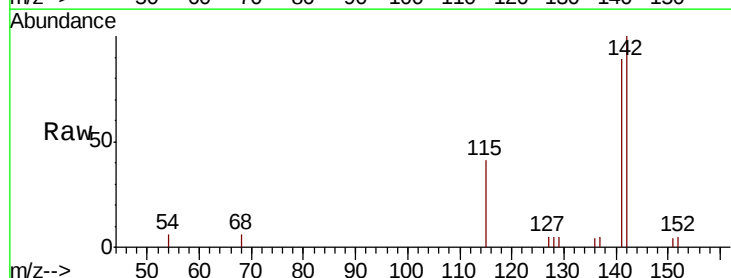
Acq: 28 Dec 2019 22:16

Tgt Ion:142 Resp: 2075

Ion Ratio Lower Upper

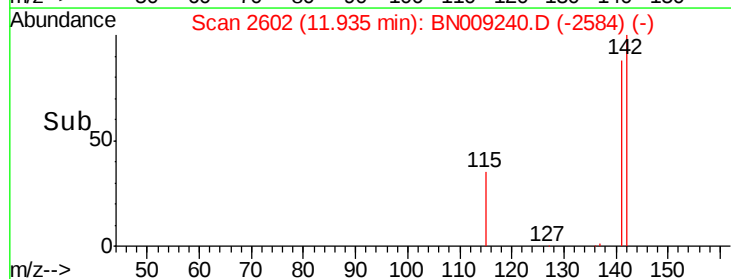
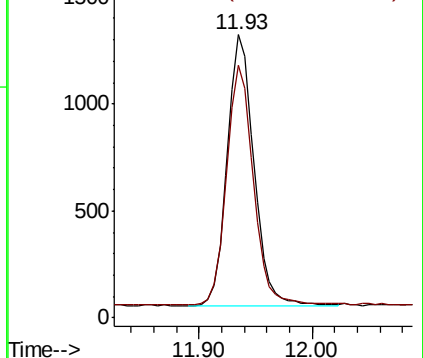
142 100

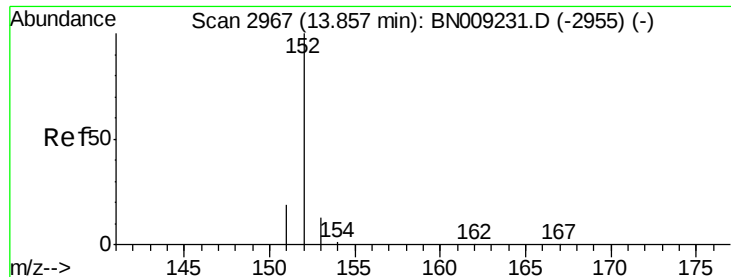
141 89.0 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.062 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

Instrument :

BNA_N

ClientSampleId :

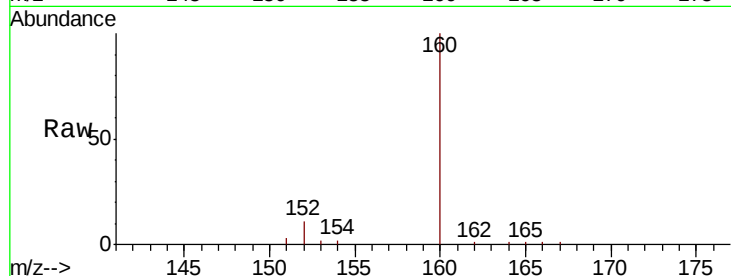
Tot Ion:152 Resp: 1460

Ion Ratio Lower Upper

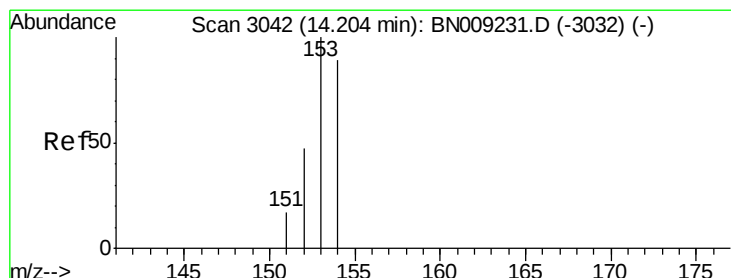
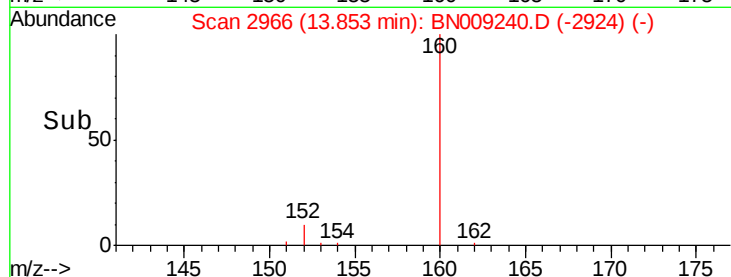
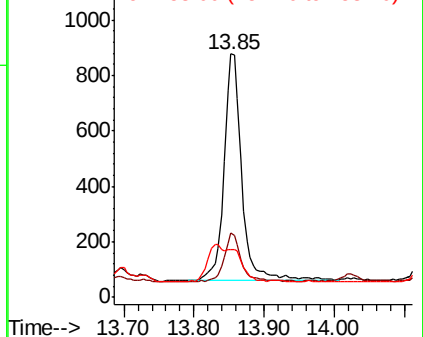
152 100

151 26.3 15.7 23.5#

153 19.7 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: 0.024 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

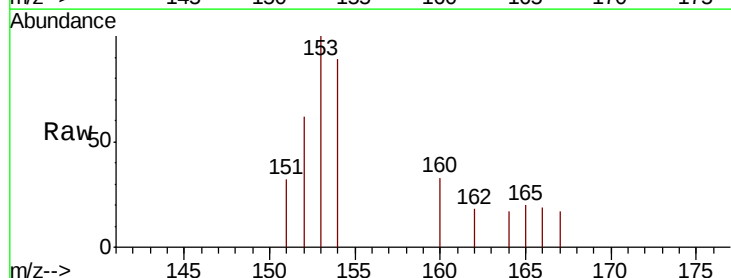
Tgt Ion:153 Resp: 454

Ion Ratio Lower Upper

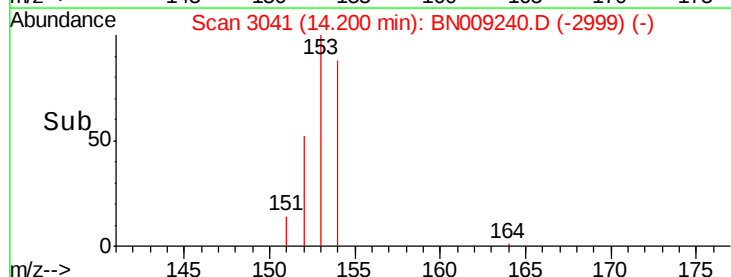
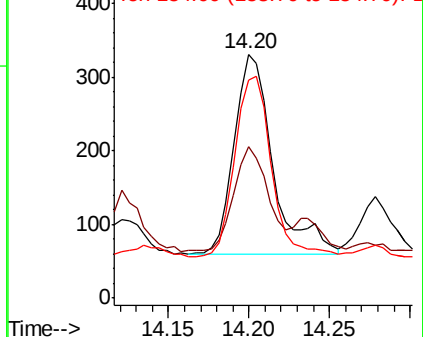
153 100

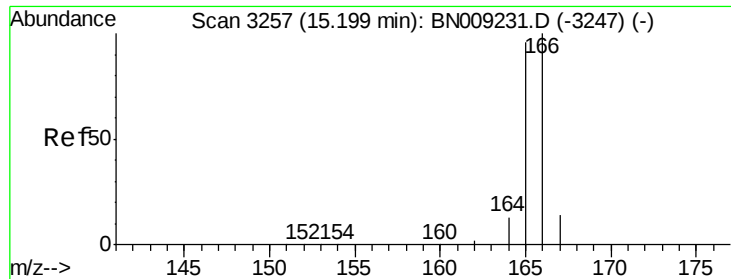
152 61.9 39.5 59.3#

154 89.4 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: 0.022 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

Instrument :

BNA_N

ClientSampleId :

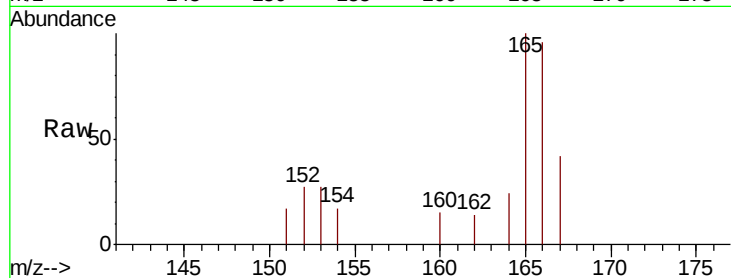
Tot Ion:166 Resp: 492

Ion Ratio Lower Upper

166 100

165 104.2 78.2 117.4

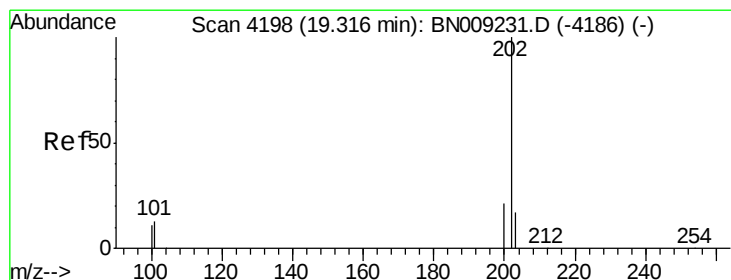
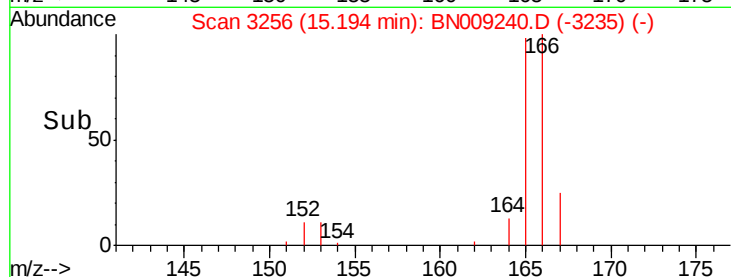
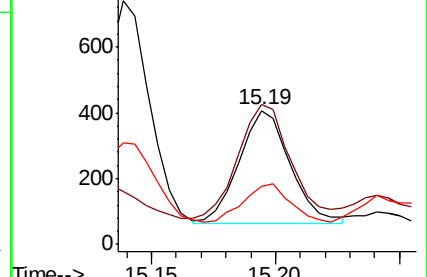
167 43.2 11.0 16.6#



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



#17

Pyrene

Concen: 0.376 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

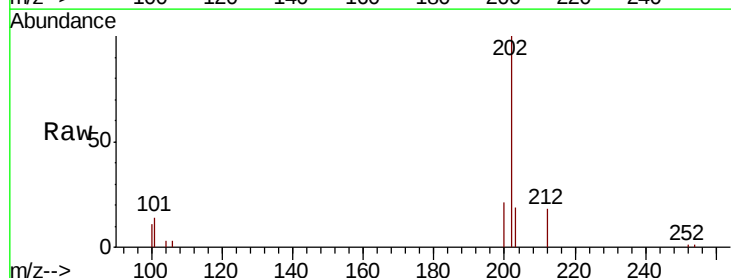
Tgt Ion:202 Resp: 14027

Ion Ratio Lower Upper

202 100

101 13.7 10.9 16.3

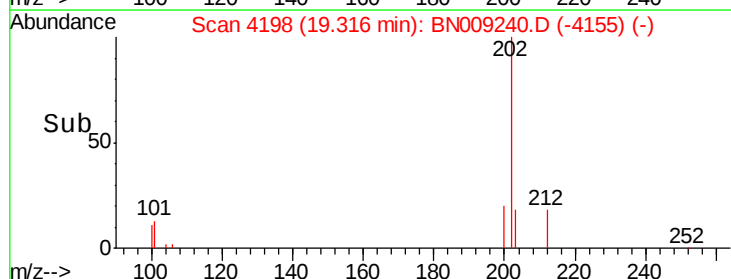
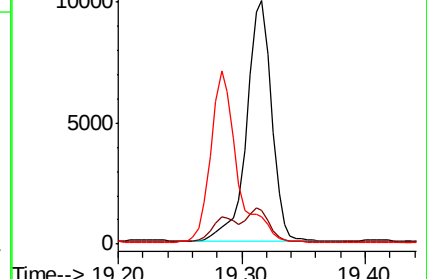
100 11.0 9.0 13.6

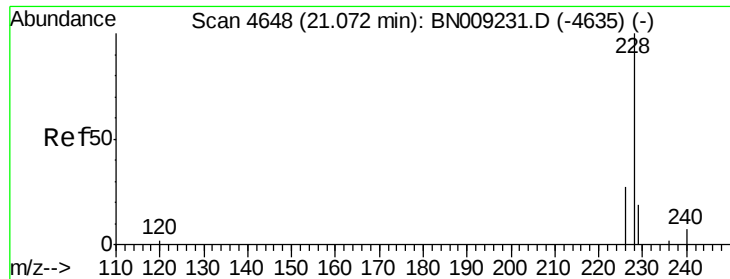


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.224 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

Instrument :

BNA_N

ClientSampleId :

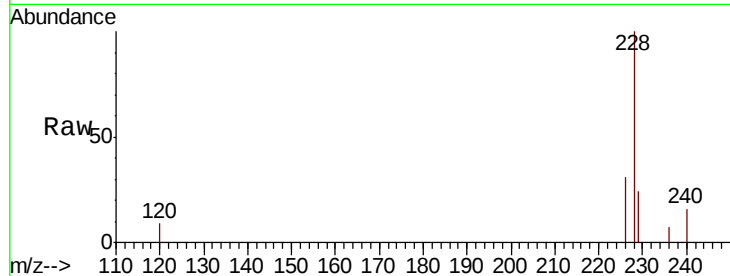
Tot Ion:228 Resp: 7287

Ion Ratio Lower Upper

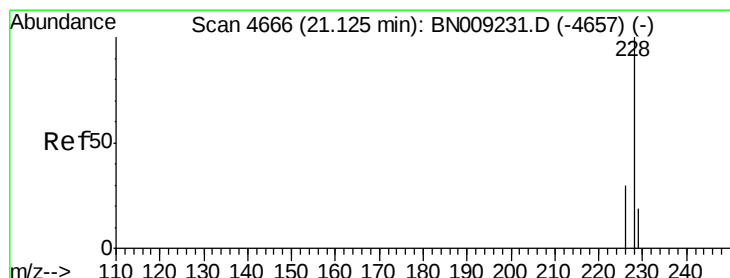
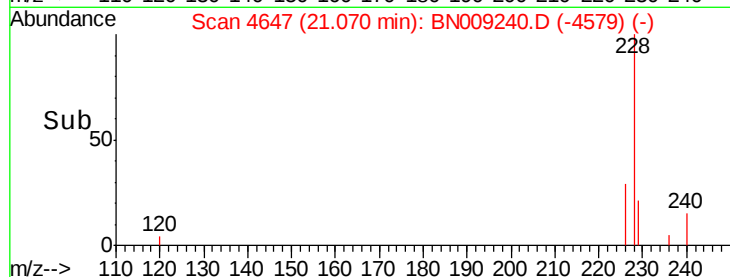
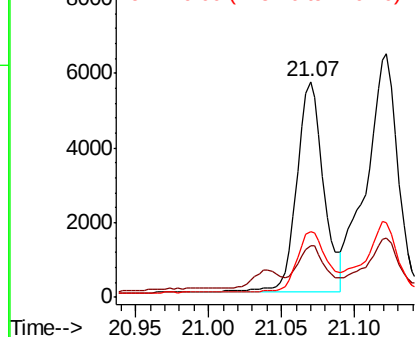
228 100

229 24.1 15.5 23.3#

226 30.6 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: 0.293 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

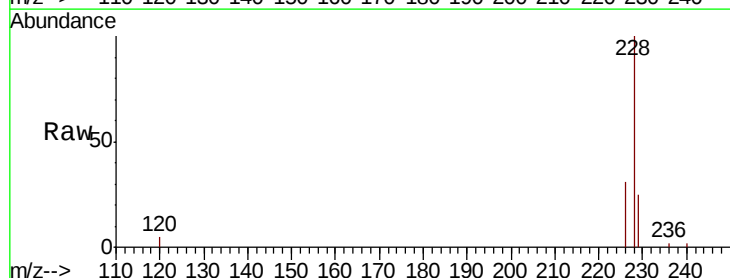
Tgt Ion:228 Resp: 9572

Ion Ratio Lower Upper

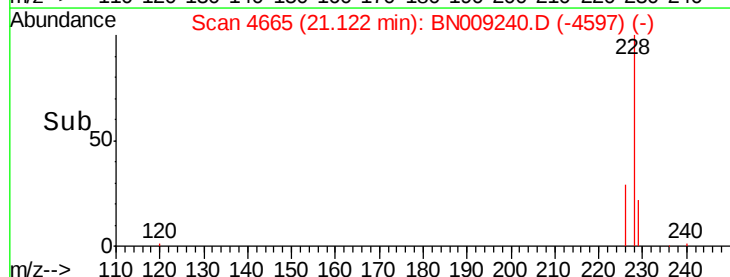
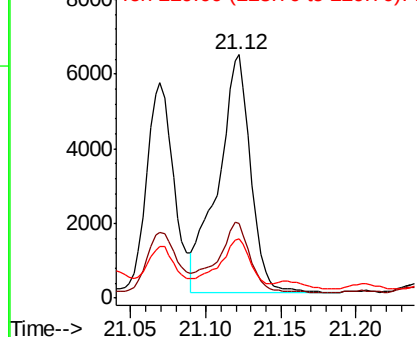
228 100

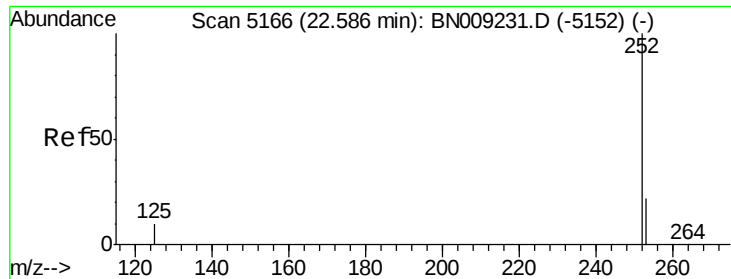
226 30.7 23.7 35.5

229 24.5 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: 0.502 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

Instrument :

BNA_N

ClientSampleId :

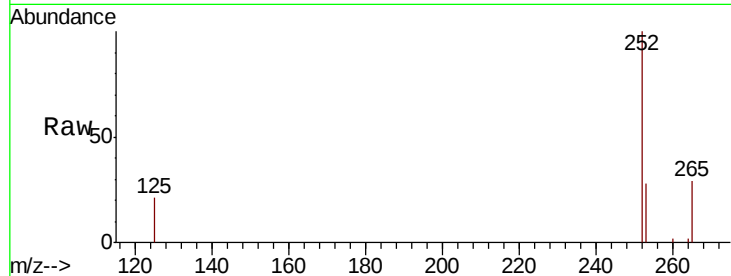
Tot Ion:252 Resp: 17685

Ion Ratio Lower Upper

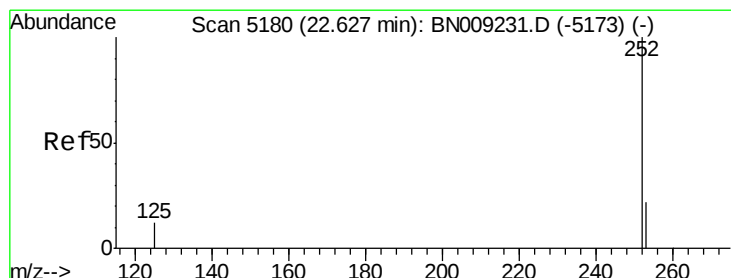
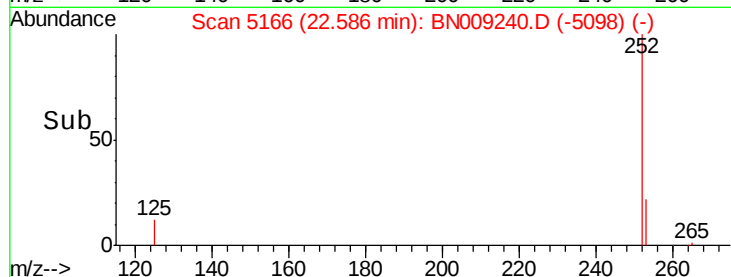
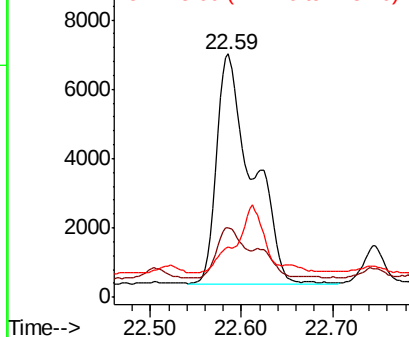
252 100

253 28.5 0.0 48.2

125 20.8 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: 0.498 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

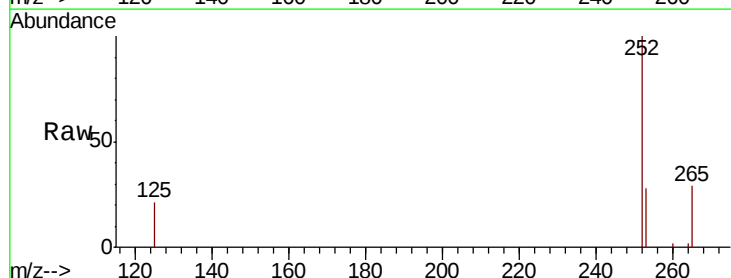
Tgt Ion:252 Resp: 17685

Ion Ratio Lower Upper

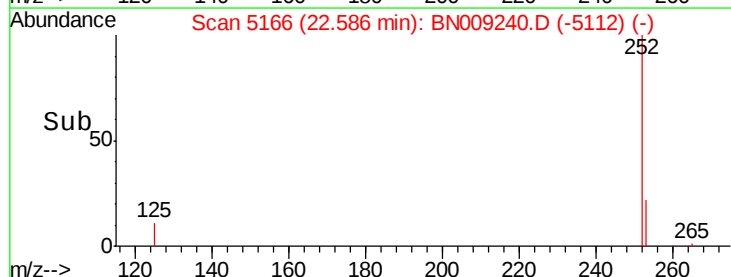
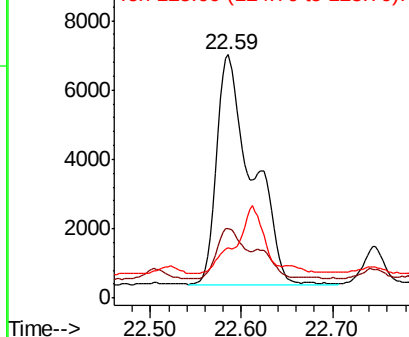
252 100

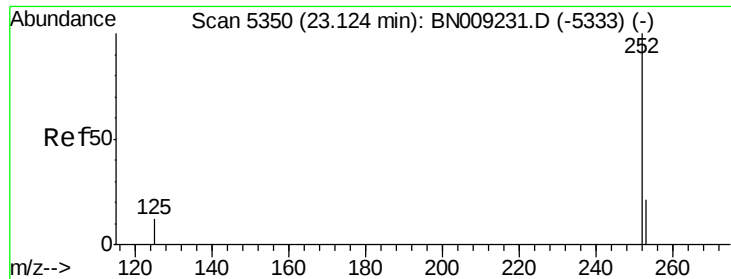
253 28.5 19.4 29.0

125 20.8 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: 0.247 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

Instrument :

BNA_N

ClientSampleId :

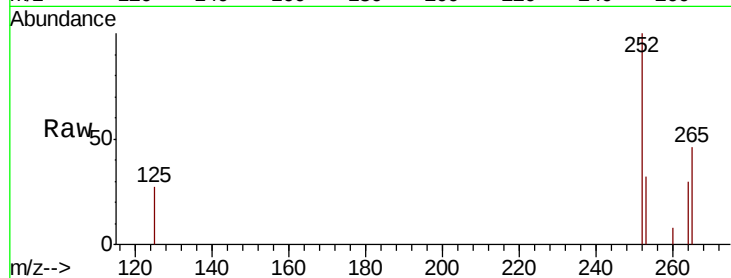
Tot Ion:252 Resp: 7631

Ion Ratio Lower Upper

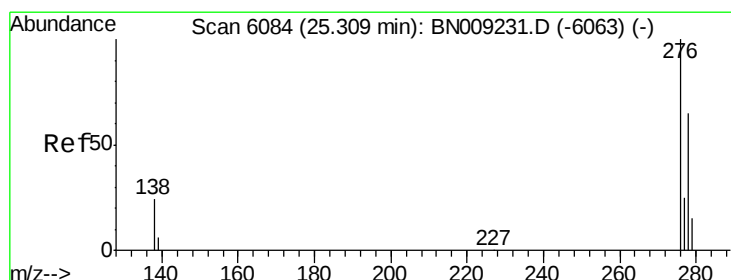
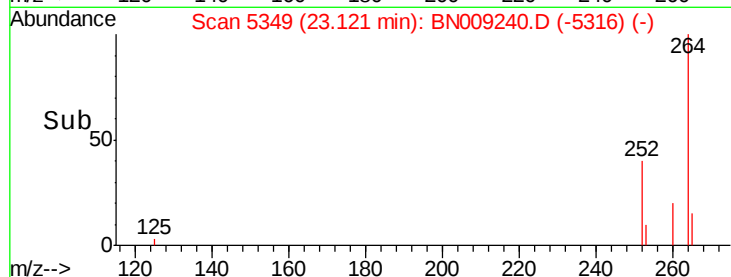
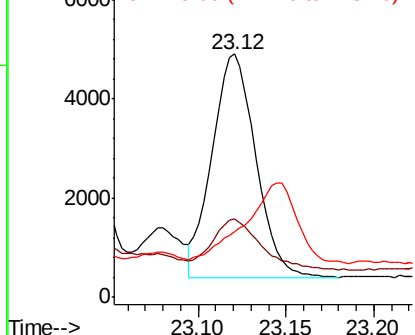
252 100

253 32.1 20.2 30.4#

125 27.2 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: 0.199 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009240.D

Acq: 28 Dec 2019 22:16

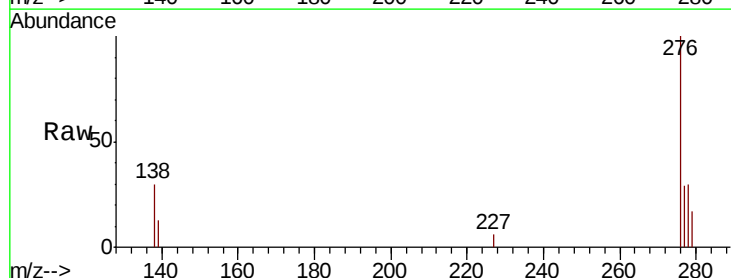
Tgt Ion:276 Resp: 6699

Ion Ratio Lower Upper

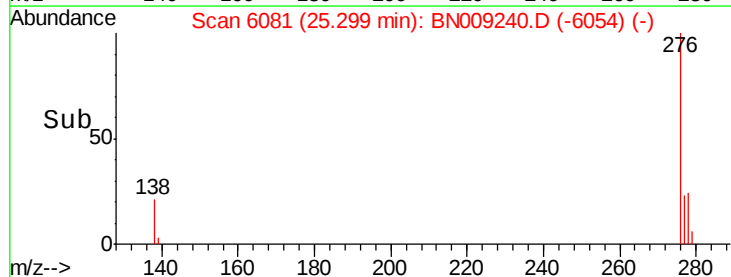
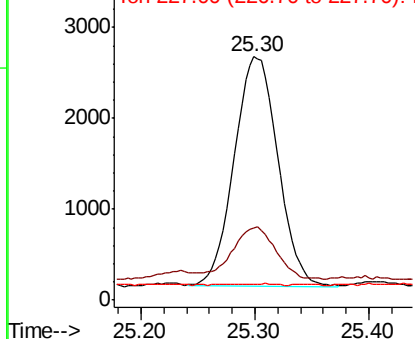
276 100

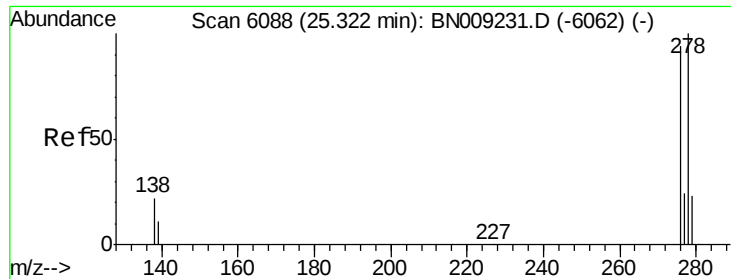
138 0.0 22.4 33.6#

227 0.1 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

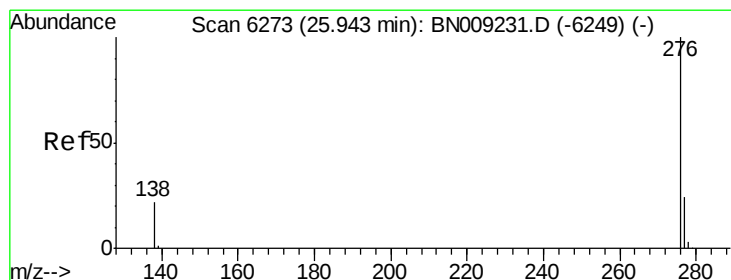
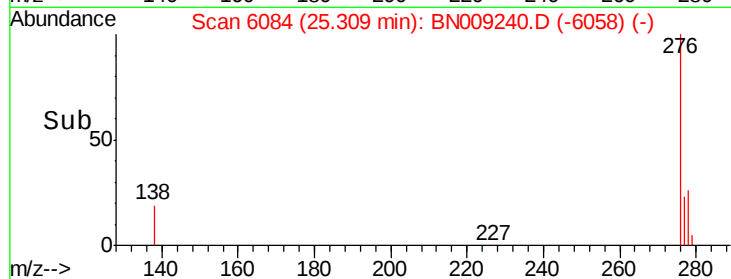
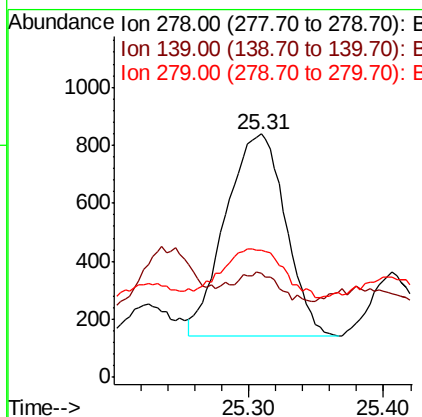
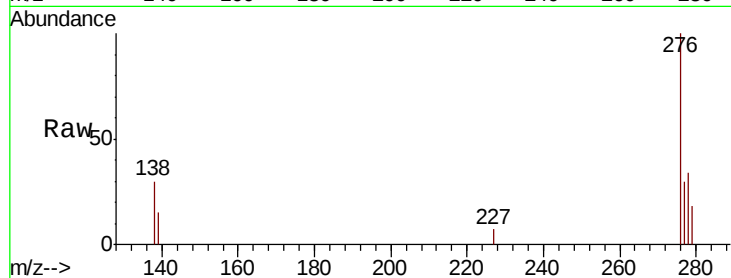




#25
Dibenzo(a,h)anthracene
Concen: 0.081 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009240.D
Acq: 28 Dec 2019 22:16

Instrument :
BNA_N
ClientSampled :

Tot Ion:278 Resp: 2160
Ion Ratio Lower Upper
278 100
139 42.7 16.2 24.2#
279 52.1 20.3 30.5#



#26
Benzo(g,h,i)perylene
Concen: 0.299 ng/ul
RT: 25.94 min Scan# 6271
Delta R.T. -0.01 min
Lab File: BN009240.D
Acq: 28 Dec 2019 22:16

Tgt Ion:276 Resp: 8480
Ion Ratio Lower Upper
276 100
138 28.7 20.6 30.8
277 26.9 19.6 29.4

