

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009242.D
 Acq On : 28 Dec 2019 23:28
 Operator : JU
 Sample : K6278-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 05:41:30 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	2457	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8868	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4719	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.89
16) Chrysene-d12	21.08	240	7387	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7695	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.86	152	3007	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	5943	0.00	ng/ul	0.00

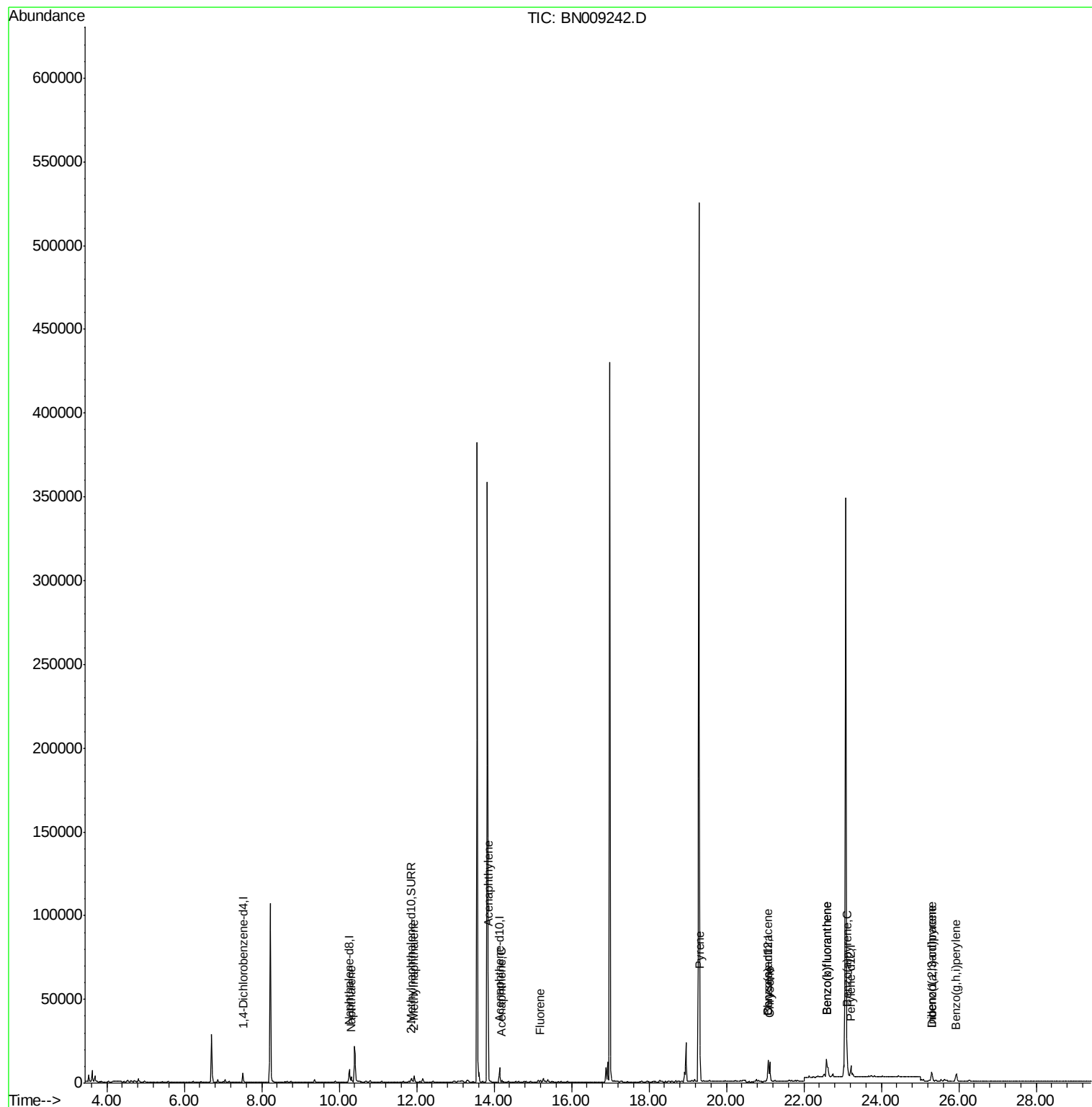
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.31	128	3991	0.148	ng/ul	97
5) 2-Methylnaphthalene	11.93	142	2802	0.138	ng/ul	100
7) Acenaphthylene	13.85	152	1498	0.060	ng/ul#	85
8) Acenaphthene	14.20	153	620	0.032	ng/ul	96
9) Fluorene	15.19	166	627	0.027	ng/ul#	87
17) Pyrene	19.32	202	17380	0.461	ng/ul	99
18) Benzo(a)anthracene	21.07	228	8626	0.263	ng/ul	94
19) Chrysene	21.12	228	11650	0.353	ng/ul#	95
21) Benzo(b)fluoranthene	22.58	252	20778	0.578	ng/ul	93
22) Benzo(k)fluoranthene	22.58	252	20778	0.574	ng/ul	93
23) Benzo(a)pyrene	23.12	252	9001	0.286	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.30	276	7119	0.208	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.30	278	2247	0.082	ng/ul#	54
26) Benzo(g,h,i)perylene	25.93	276	8114	0.281	ng/ul	94

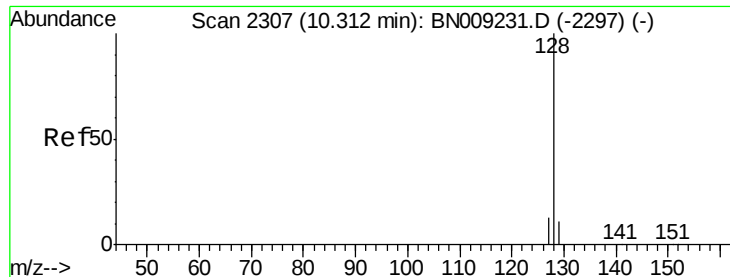
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.148 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

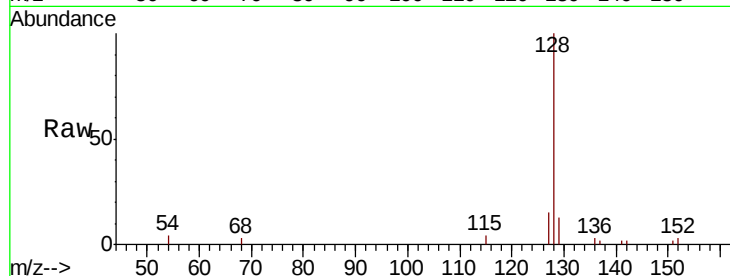
Tot Ion:128 Resp: 3991

Ion Ratio Lower Upper

128 100

129 12.7 9.0 13.4

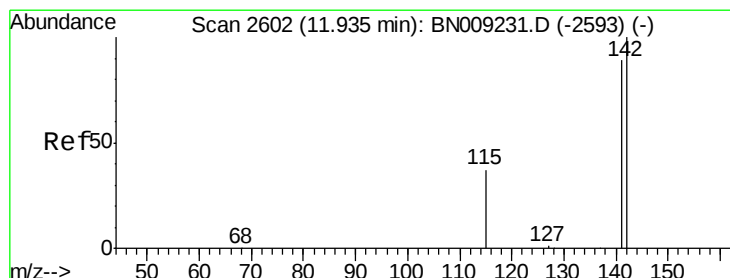
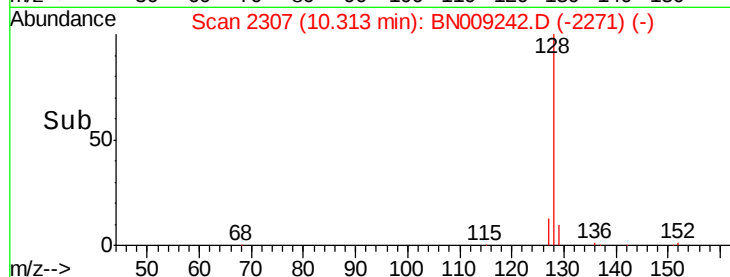
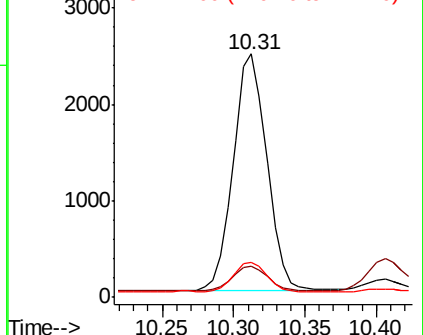
127 14.6 10.9 16.3



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: 0.138 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009242.D

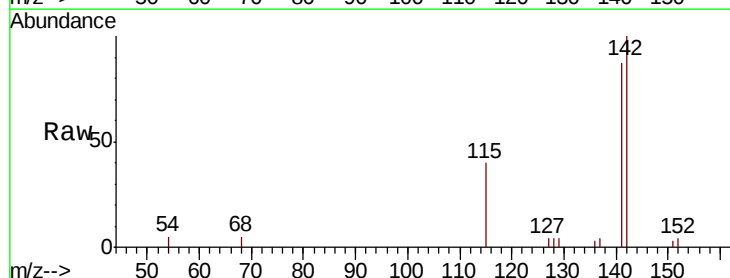
Acq: 28 Dec 2019 23:28

Tgt Ion:142 Resp: 2802

Ion Ratio Lower Upper

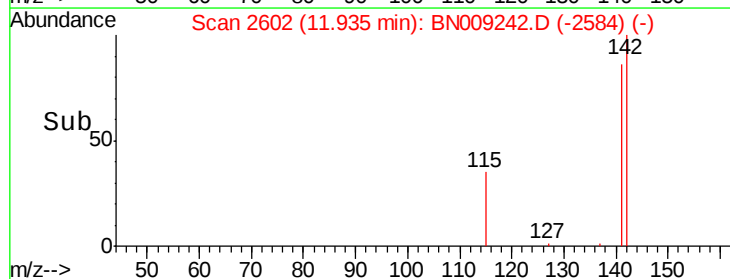
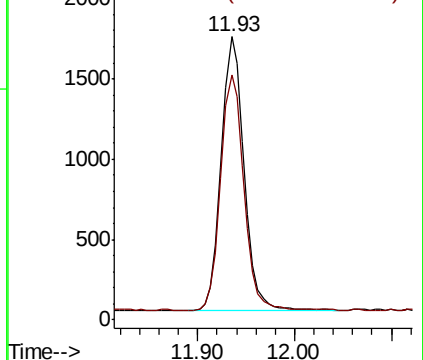
142 100

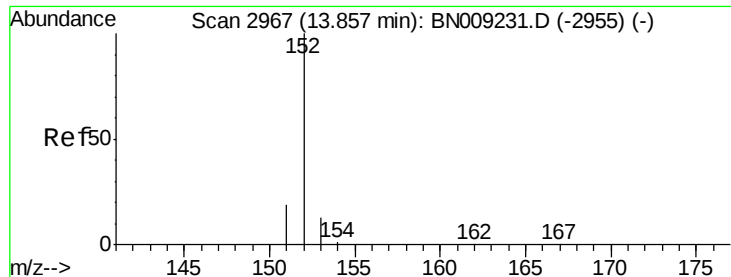
141 87.7 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

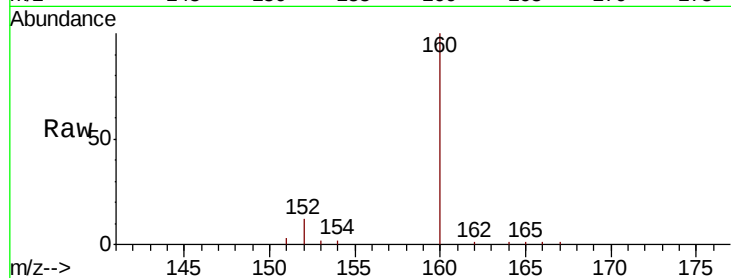
Tot Ion:152 Resp: 1498

Ion Ratio Lower Upper

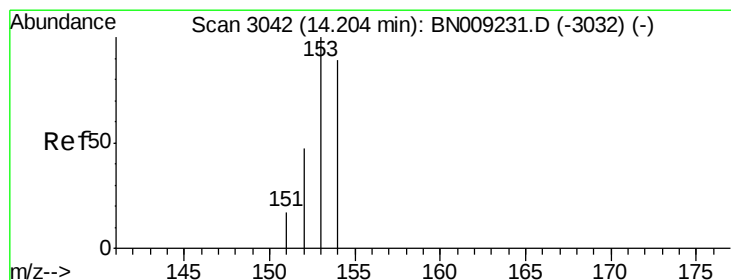
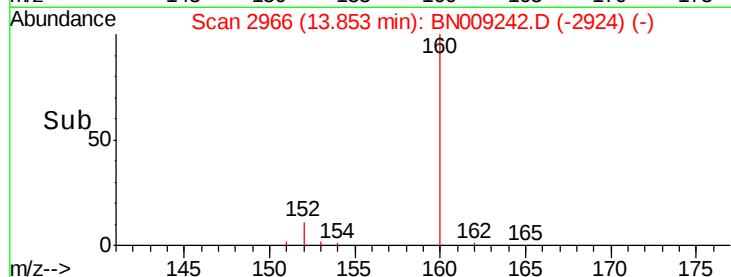
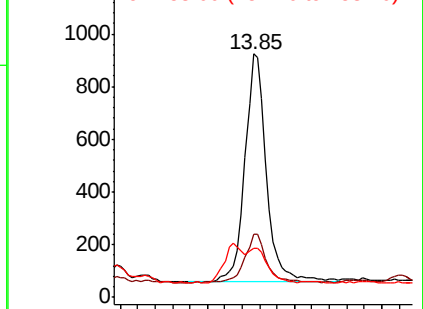
152 100

151 25.8 15.7 23.5#

153 20.3 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: 0.032 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

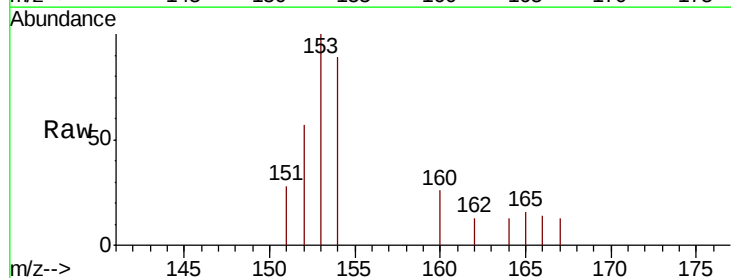
Tgt Ion:153 Resp: 620

Ion Ratio Lower Upper

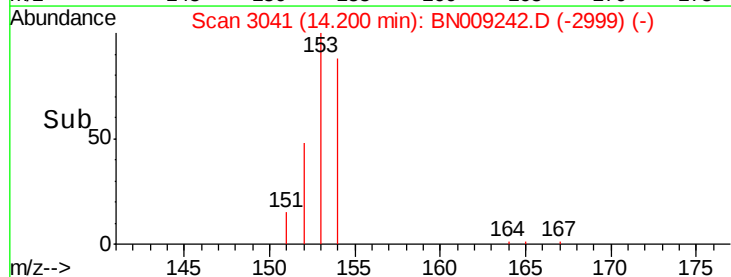
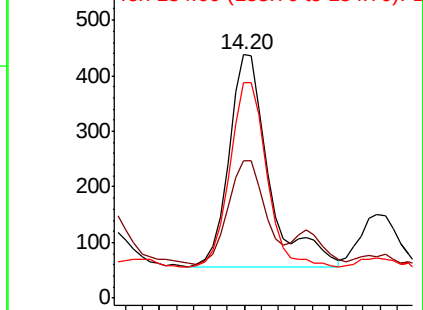
153 100

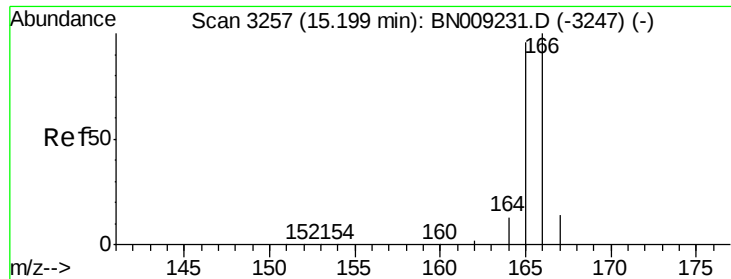
152 56.6 39.5 59.3

154 88.6 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: 0.027 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

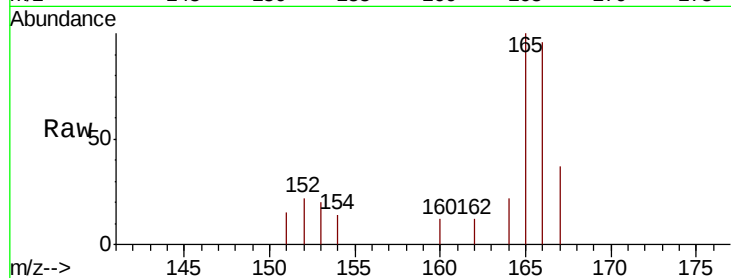
Tot Ion:166 Resp: 627

Ion Ratio Lower Upper

166 100

165 103.7 78.2 117.4

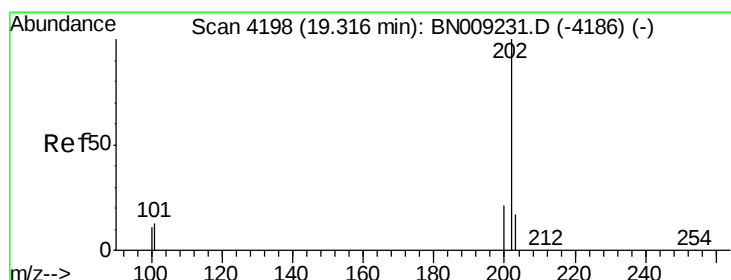
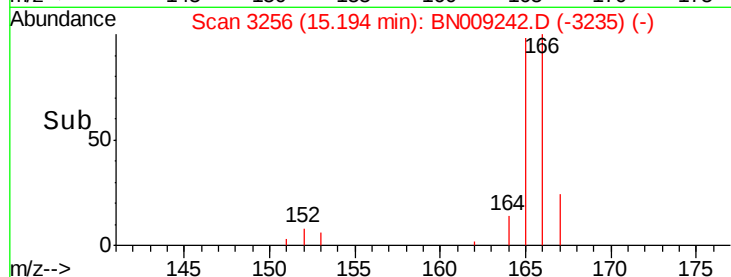
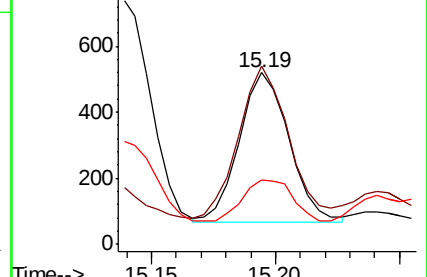
167 37.9 11.0 16.6#



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: 0.461 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

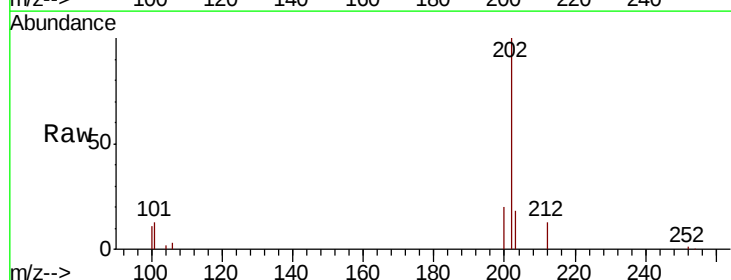
Tgt Ion:202 Resp: 17380

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

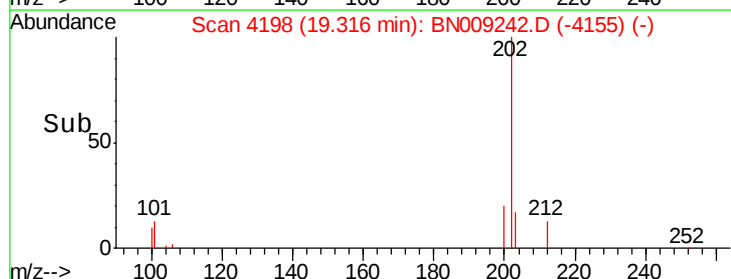
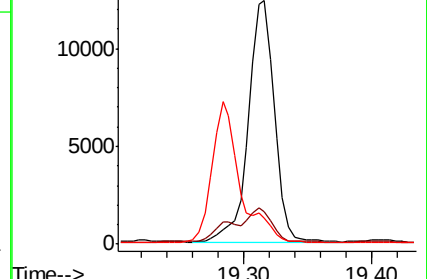
100 10.8 9.0 13.6

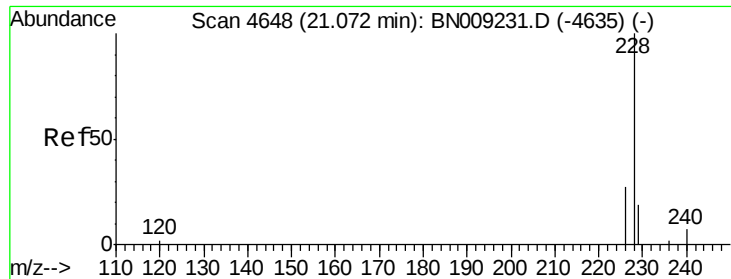


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.263 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

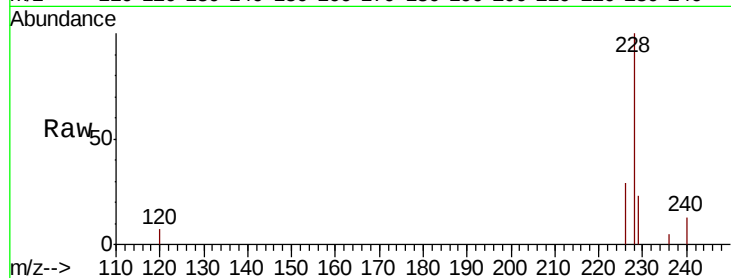
Tot Ion:228 Resp: 8626

Ion Ratio Lower Upper

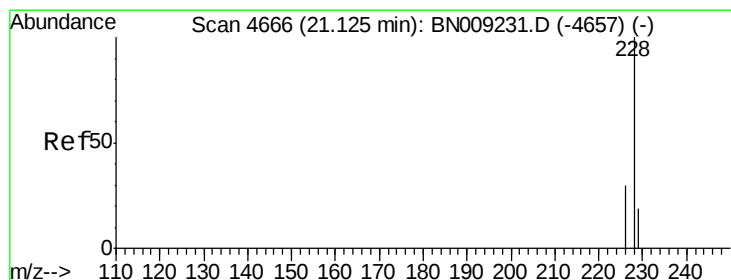
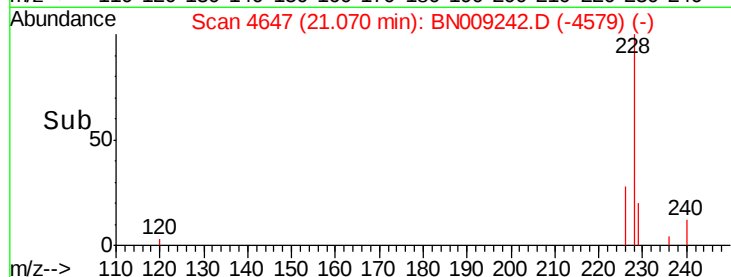
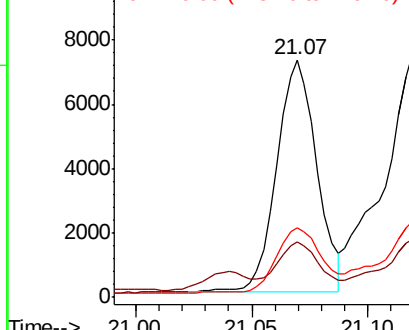
228 100

229 23.1 15.5 23.3

226 29.4 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: 0.353 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

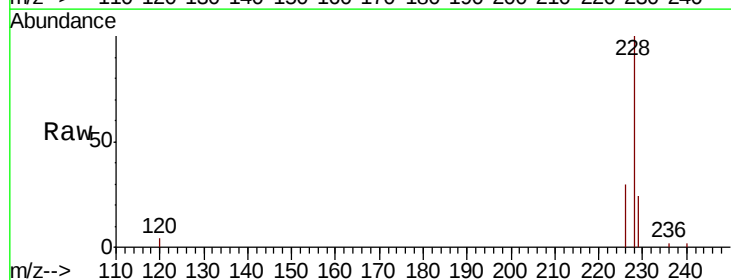
Tgt Ion:228 Resp: 11650

Ion Ratio Lower Upper

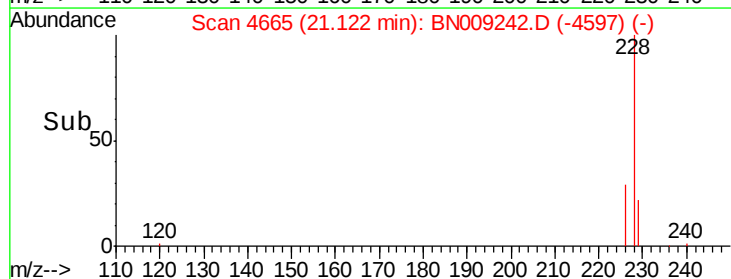
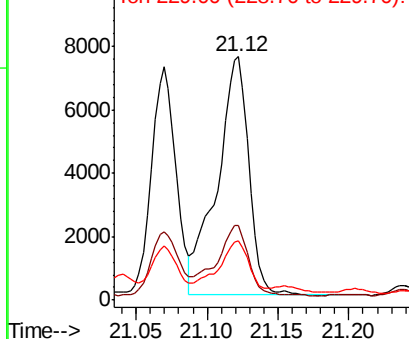
228 100

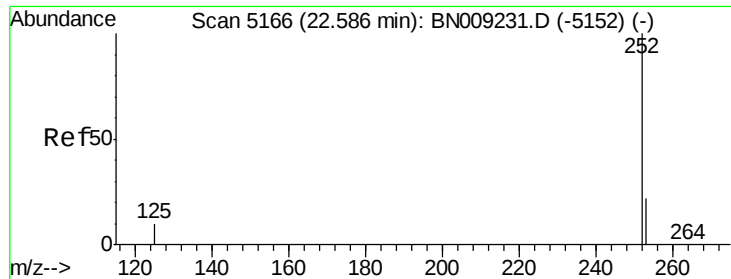
226 30.4 23.7 35.5

229 24.3 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: 0.578 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

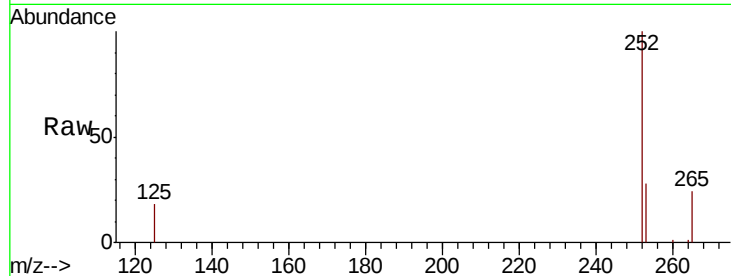
Tot Ion:252 Resp: 20778

Ion Ratio Lower Upper

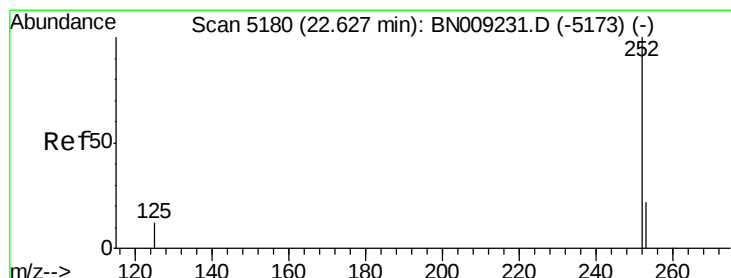
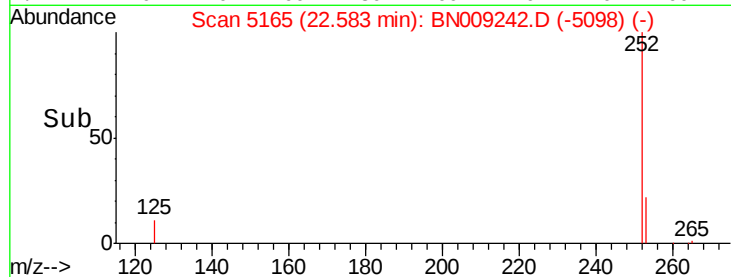
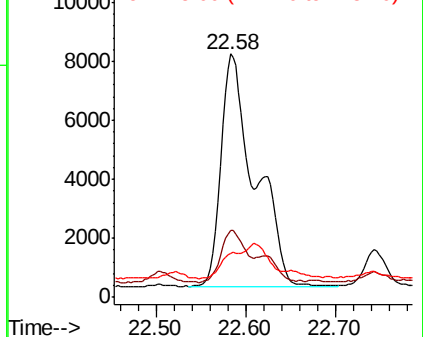
252 100

253 27.5 0.0 48.2

125 18.2 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: 0.574 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.04 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

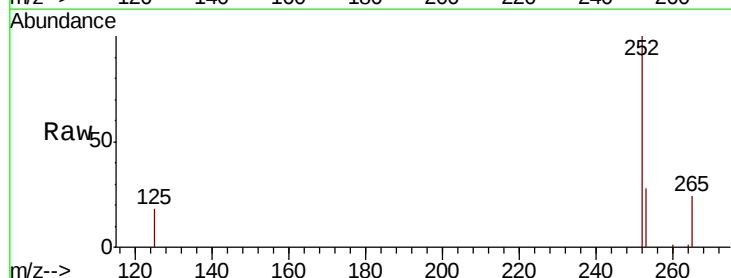
Tgt Ion:252 Resp: 20778

Ion Ratio Lower Upper

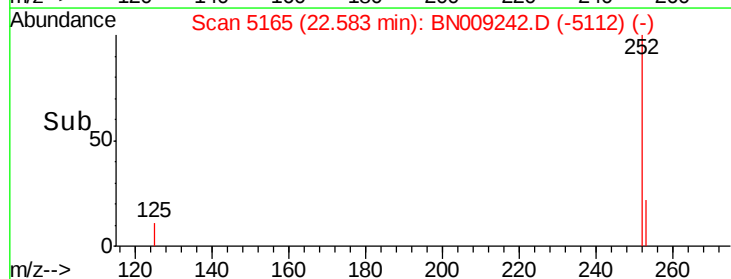
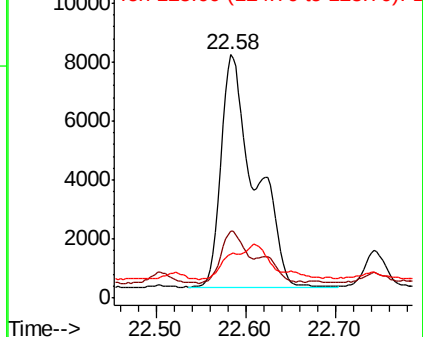
252 100

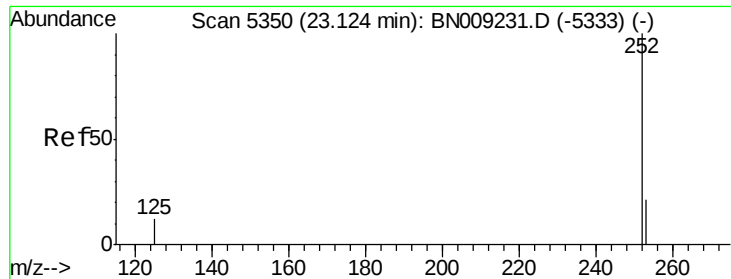
253 27.5 19.4 29.0

125 18.2 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: 0.286 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

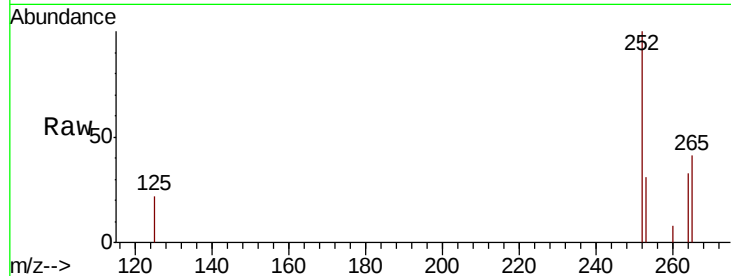
Tot Ion:252 Resp: 9001

Ion Ratio Lower Upper

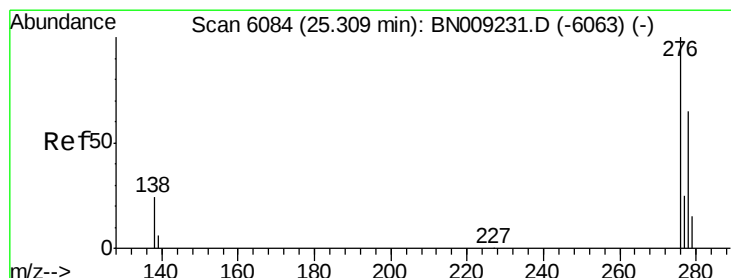
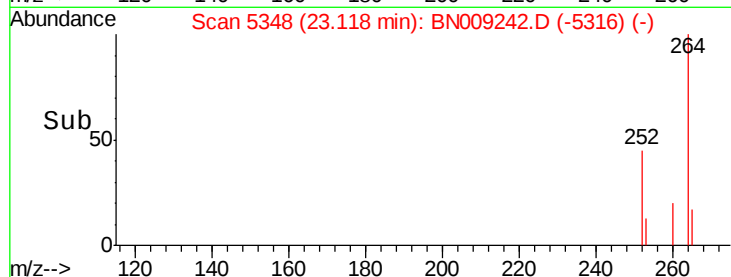
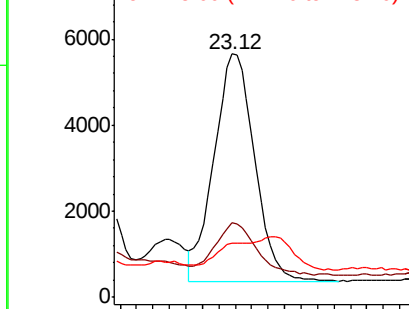
252 100

253 30.5 20.2 30.4#

125 22.3 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: 0.208 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.01 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

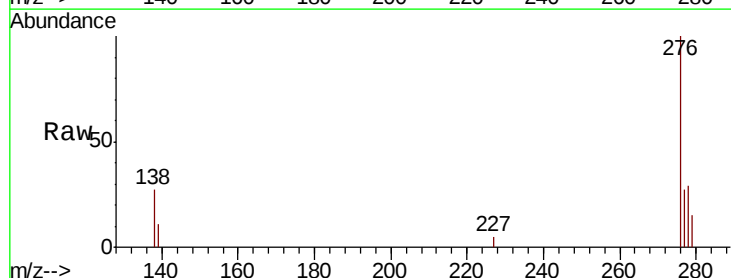
Tgt Ion:276 Resp: 7119

Ion Ratio Lower Upper

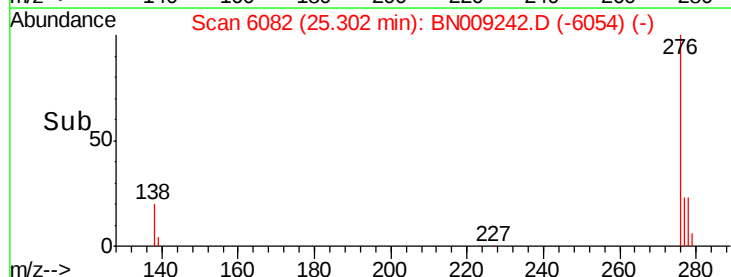
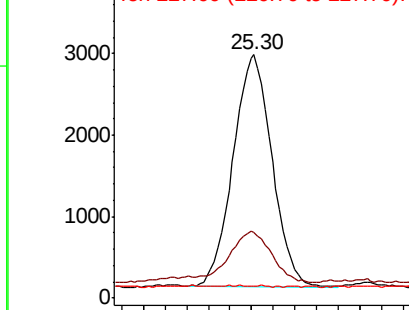
276 100

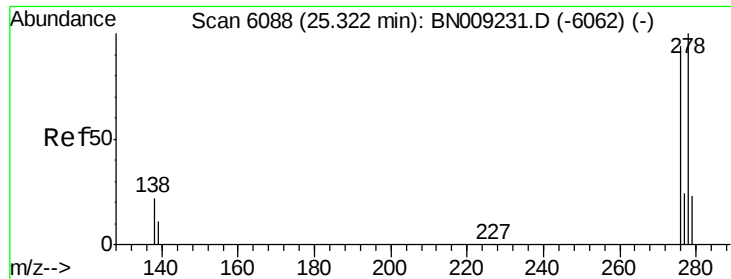
138 22.8 22.4 33.6

227 0.2 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: 0.082 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.02 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

Instrument :

BNA_N

ClientSampleId :

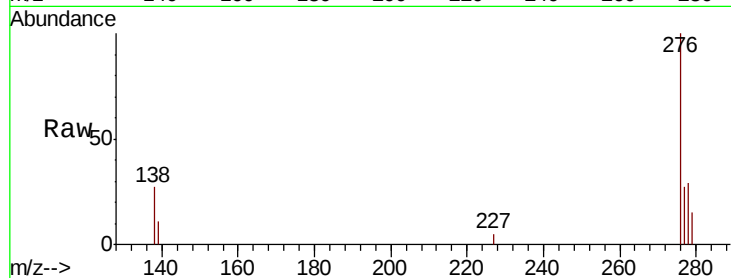
Tot Ion:278 Resp: 2247

Ion Ratio Lower Upper

278 100

139 38.5 16.2 24.2#

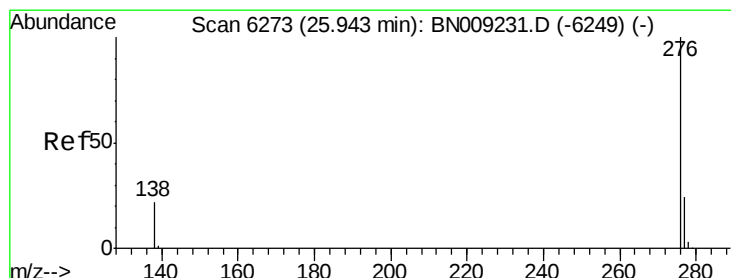
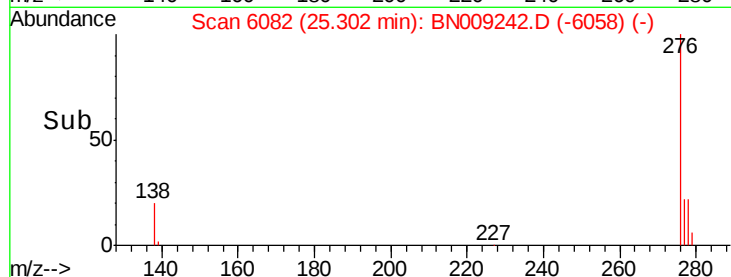
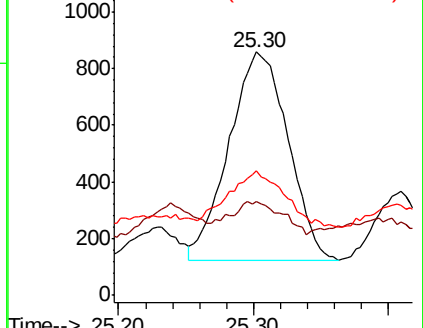
279 51.3 20.3 30.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.281 ng/ul

RT: 25.93 min Scan# 6270

Delta R.T. -0.01 min

Lab File: BN009242.D

Acq: 28 Dec 2019 23:28

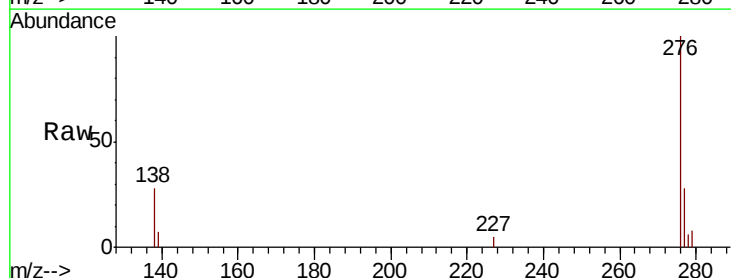
Tgt Ion:276 Resp: 8114

Ion Ratio Lower Upper

276 100

138 28.2 20.6 30.8

277 28.2 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

