

Data File : BN008453.D
Acq On : 05 Nov 2019 18:49
Operator : JU
Sample : K5567-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLNC3

Quant Time: Nov 06 00:59:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 00:56:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1442	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	6213	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3671	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.95
16) Chrysene-d12	21.16	240	5834	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	7272	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	2715	0.28	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	8817	0.00	ng/ul	0.00

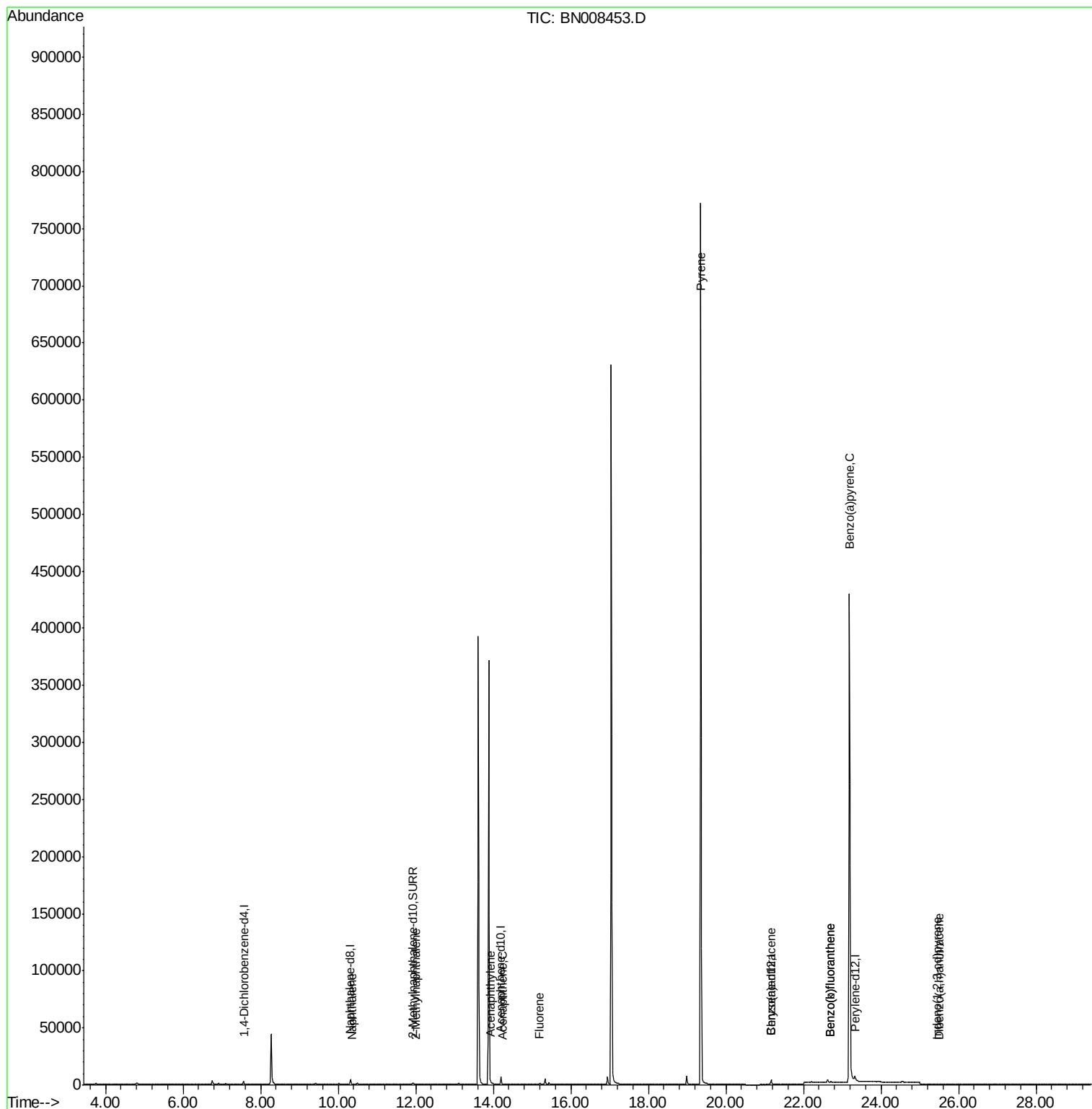
Target Compounds				Qvalue		
3) Naphthalene	10.37	128	148	0.008	ng/ul#	20
5) 2-Methylnaphthalene	12.01	142	115	0.024	ng/ul	90
7) Acenaphthylene	13.95	152	19	0.032	ng/ul#	1
8) Acenaphthene	14.26	153	9	0.018	ng/ul#	65
9) Fluorene	15.19	166	1069	0.096	ng/ul#	17
17) Pyrene	19.35	202	1199	0.031	ng/ul#	1
18) Benzo(a)anthracene	21.16	228	40	0.029	ng/ul#	1
19) Chrysene	21.20	228	45	Below Cal	#	1
21) Benzo(b)fluoranthene	22.69	252	103	0.027	ng/ul#	1
22) Benzo(k)fluoranthene	22.69	252	89	0.021	ng/ul#	1
23) Benzo(a)pyrene	23.19	252	1884	0.075	ng/ul#	69
24) Indeno(1,2,3-cd)pyrene	25.44	276	1	0.003	ng/ul#	51
25) Dibenzo(a,h)anthracene	25.49	278	2	0.009	ng/ul#	1
26) Benzo(g,h,i)perylene	26.10	276	1	Below Cal	#	1

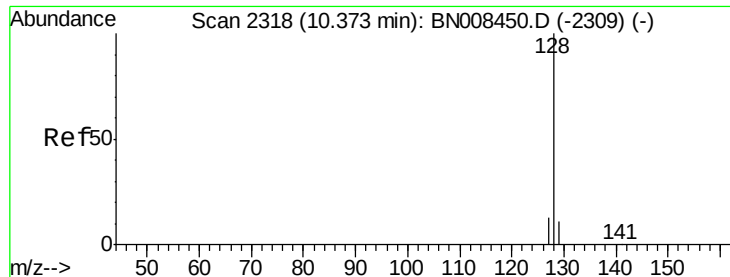
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.008 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. -0.01 min

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BNA_N

ClientSampleId :

JLNC3

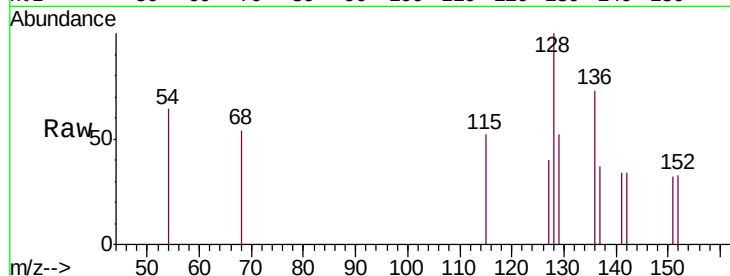
Tgt Ion:128 Resp: 148

Ion Ratio Lower Upper

128 100

129 51.6 10.2 15.2#

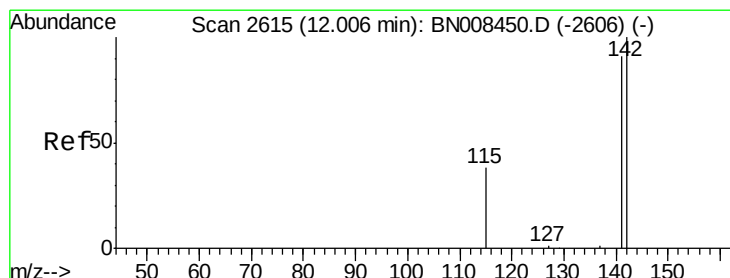
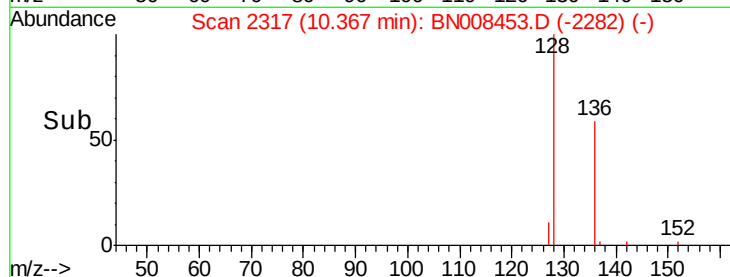
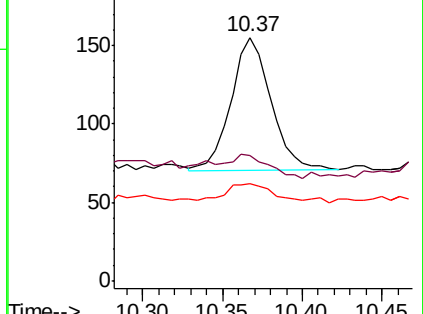
127 40.0 11.4 17.2#



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: 0.024 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. -0.00 min

Lab File: BN008453.D

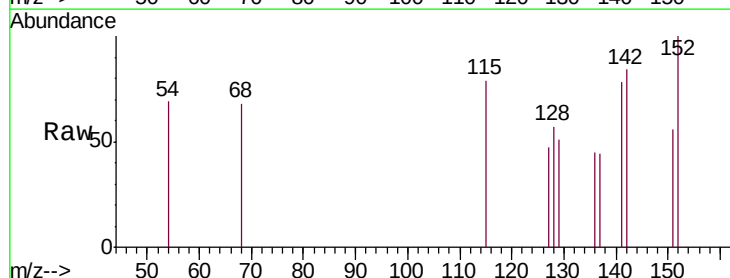
Acq: 05 Nov 2019 18:49

Tgt Ion:142 Resp: 115

Ion Ratio Lower Upper

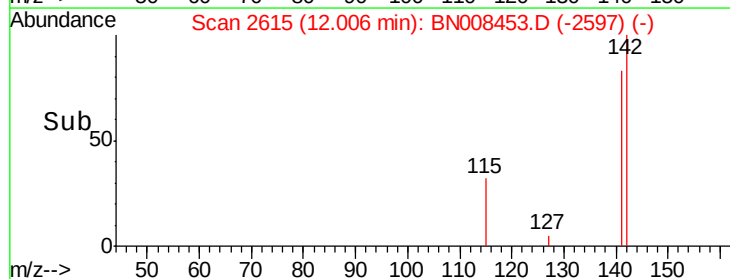
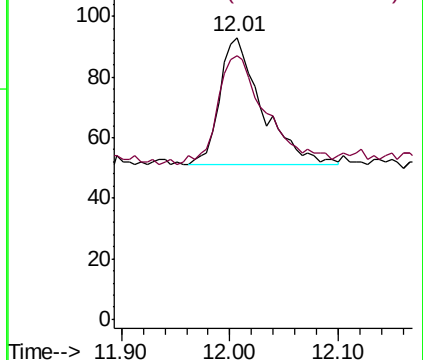
142 100

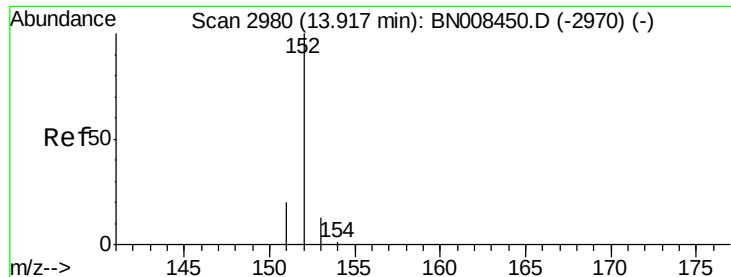
141 99.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.032 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. 0.03 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

Instrument :

BNA_N

ClientSampleId :

JLNC3

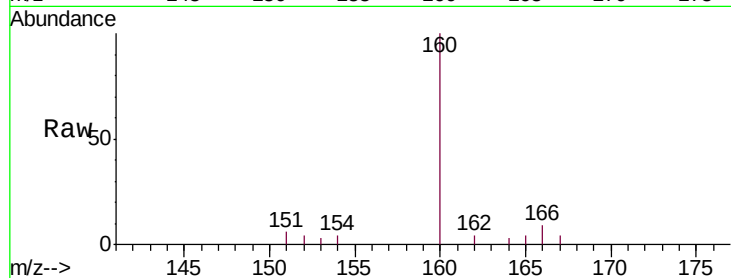
Tgt Ion:152 Resp: 19

Ion Ratio Lower Upper

152 100

151 170.5 16.6 25.0#

153 85.2 11.4 17.0#



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

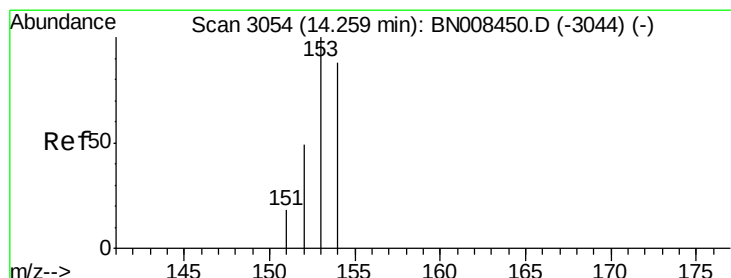
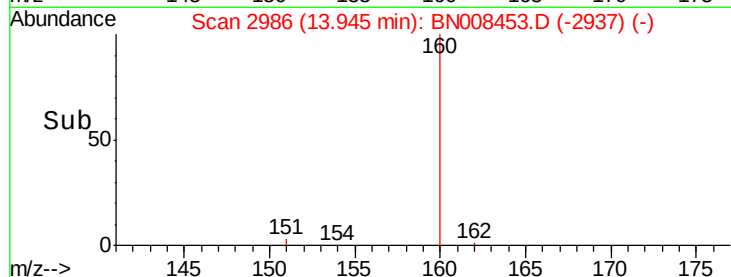
13.95

100

50

0

Time--> 13.90 13.95 14.00



#8

Acenaphthene

Concen: 0.018 ng/ul

RT: 14.26 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

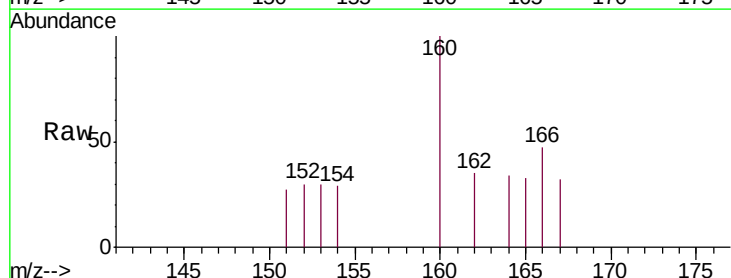
Tgt Ion:153 Resp: 9

Ion Ratio Lower Upper

153 100

152 100.0 40.2 60.2#

154 98.2 69.1 103.7



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

14.26

80

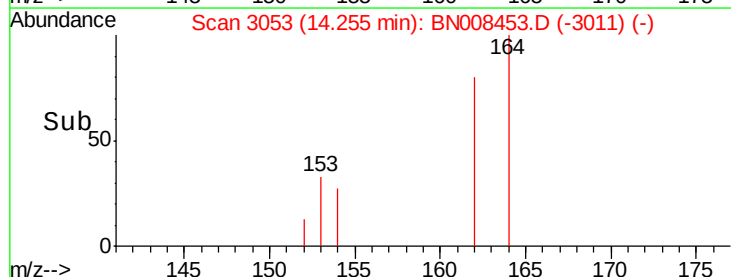
60

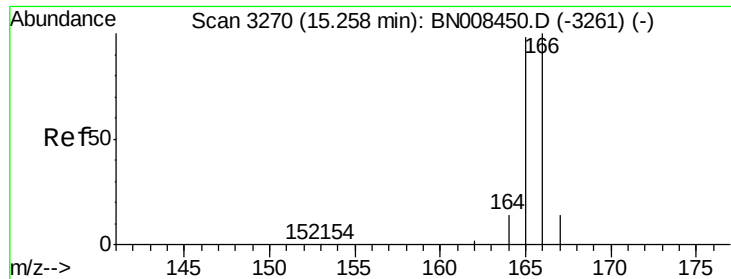
40

20

0

Time--> 14.22 14.24 14.26 14.28





#9

Fluorene

Concen: 0.096 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.06 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

Instrument :

BNA_N

ClientSampleId :

JLNC3

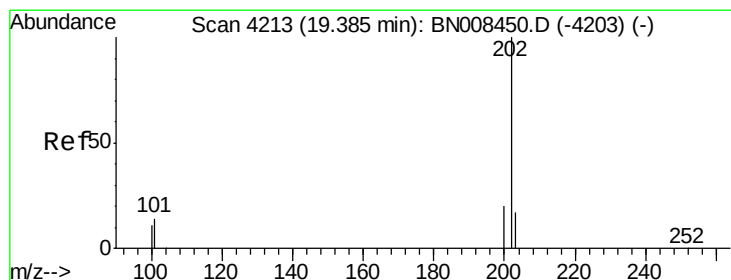
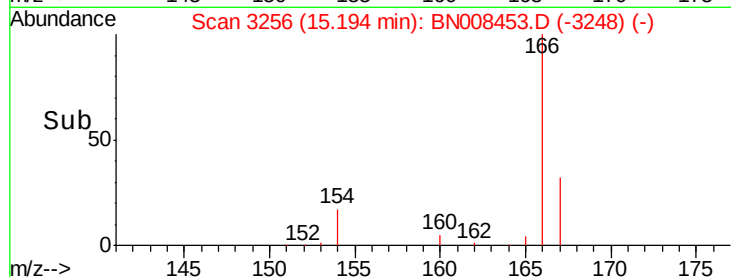
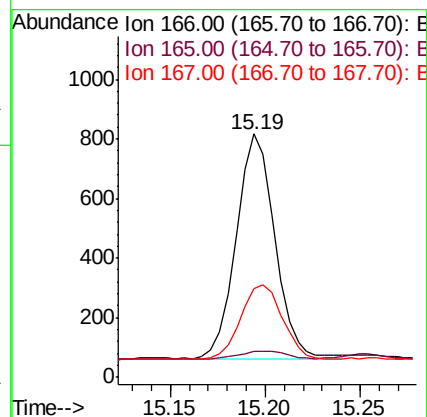
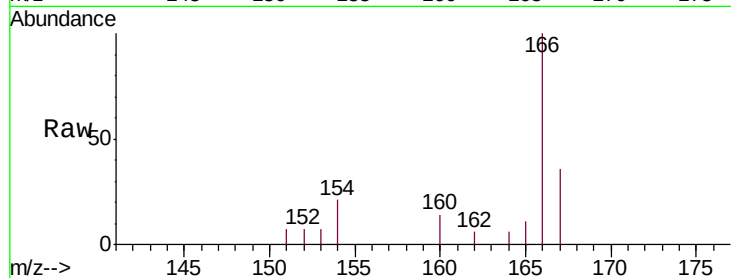
Tgt Ion:166 Resp: 1069

Ion Ratio Lower Upper

166 100

165 10.6 78.5 117.7#

167 36.5 12.4 18.6#



#17

Pyrene

Concen: 0.031 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.03 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

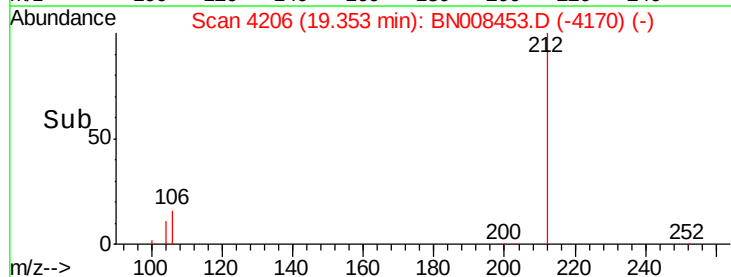
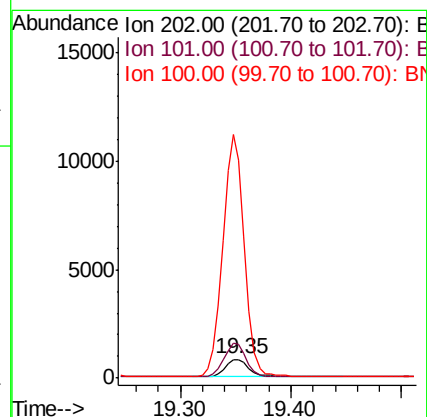
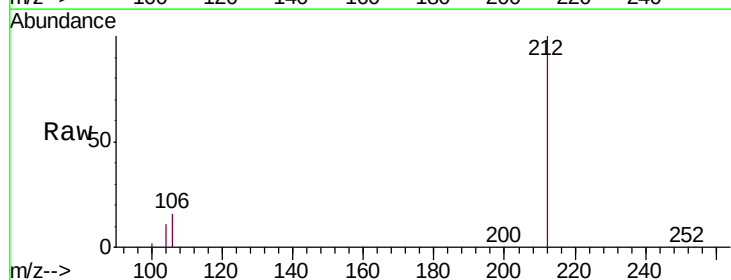
Tgt Ion:202 Resp: 1199

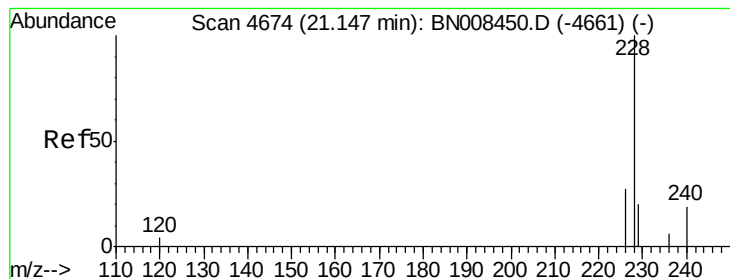
Ion Ratio Lower Upper

202 100

101 174.8 11.6 17.4#

100 1148.7 9.4 14.0#





#18

Benzo(a)anthracene

Concen: 0.029 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. 0.01 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

Instrument :

BNA_N

ClientSampleId :

JLNC3

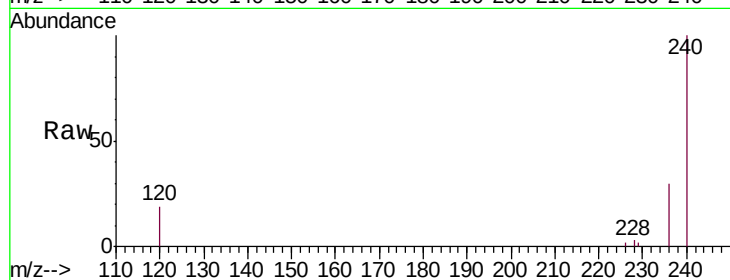
Tgt Ion:228 Resp: 40

Ion Ratio Lower Upper

228 100

229 87.7 16.8 25.2#

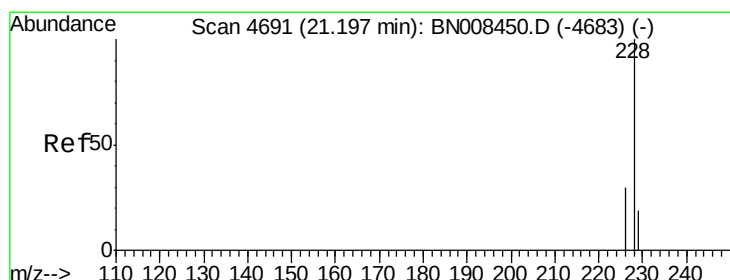
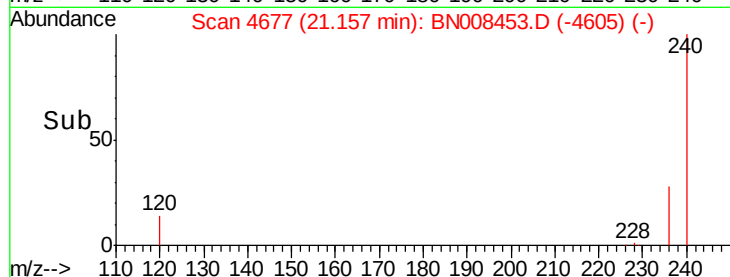
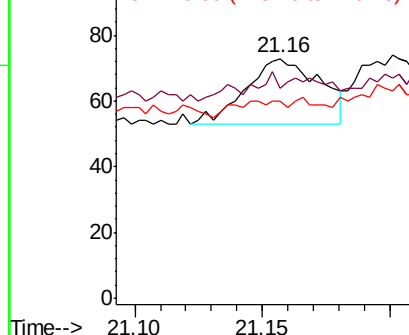
226 82.2 22.1 33.1#



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: Below Cal

RT: 21.20 min Scan# 4692

Delta R.T. 0.00 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

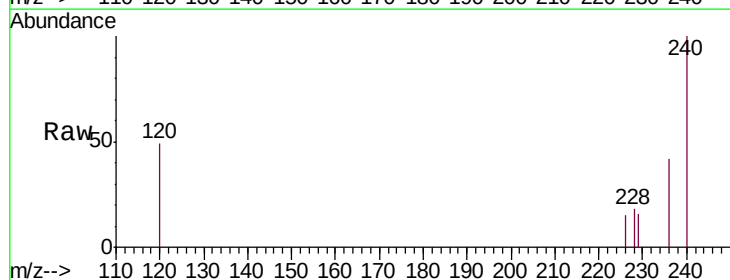
Tgt Ion:228 Resp: 45

Ion Ratio Lower Upper

228 100

226 85.1 24.6 37.0#

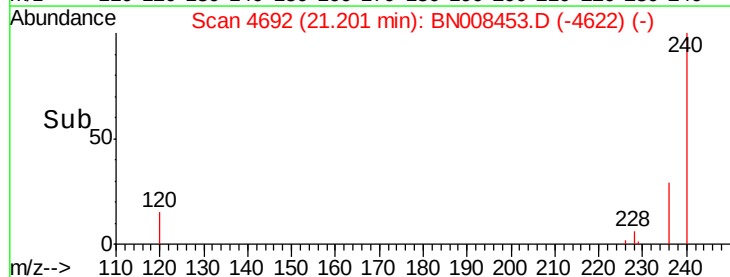
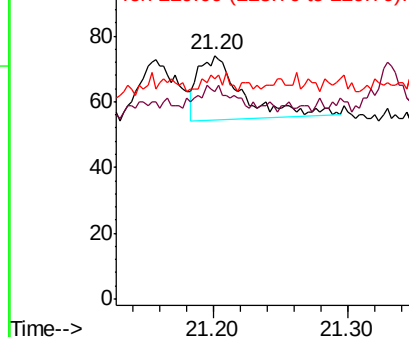
229 90.5 16.6 24.8#

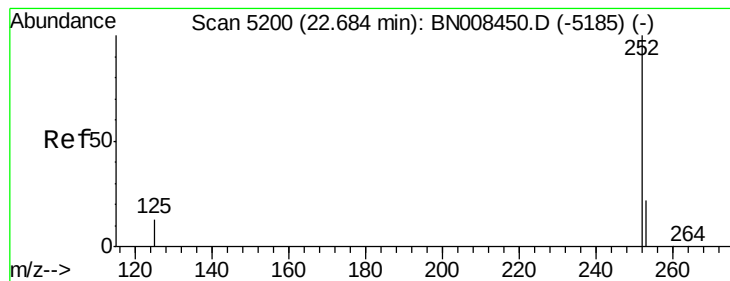


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.027 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. 0.01 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

Instrument :

BNA_N

ClientSampleId :

JLNC3

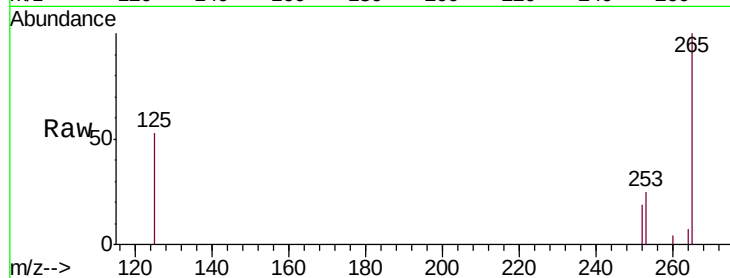
Tgt Ion:252 Resp: 103

Ion Ratio Lower Upper

252 100

253 134.1 0.0 59.6#

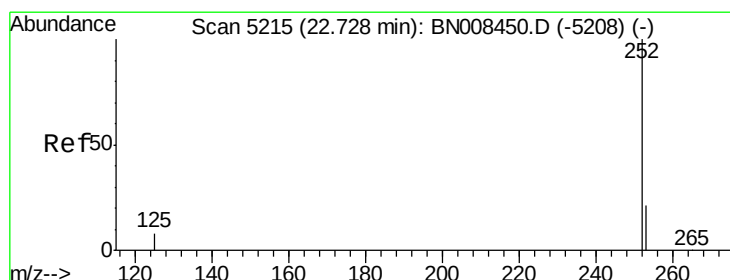
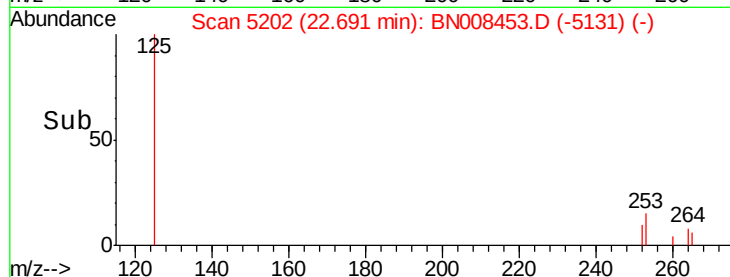
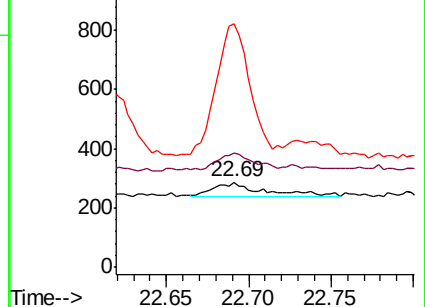
125 286.4 0.0 40.0#



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: 0.021 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.04 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

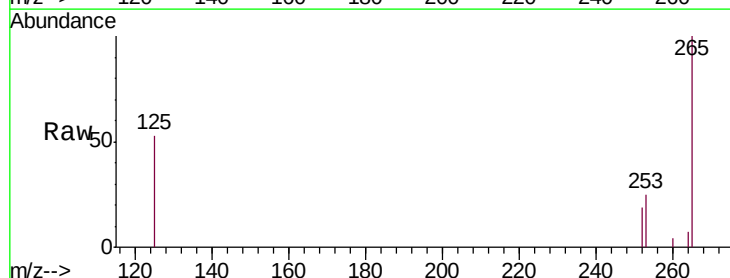
Tgt Ion:252 Resp: 89

Ion Ratio Lower Upper

252 100

253 134.1 24.3 36.5#

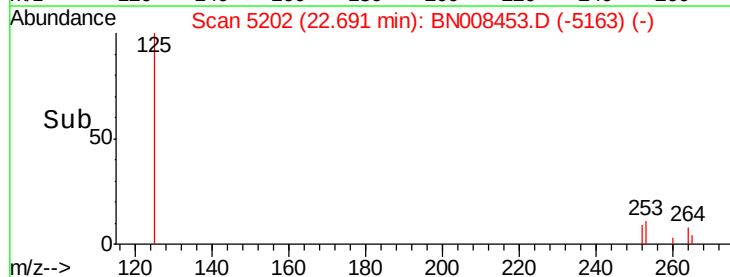
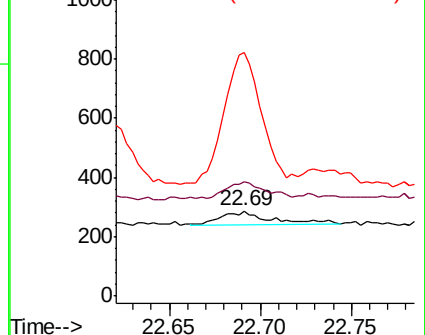
125 286.4 15.8 23.8#

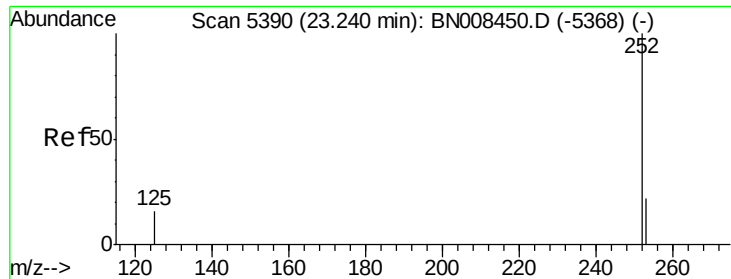


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.075 ng/ul

RT: 23.19 min Scan# 5371

Delta R.T. -0.05 min

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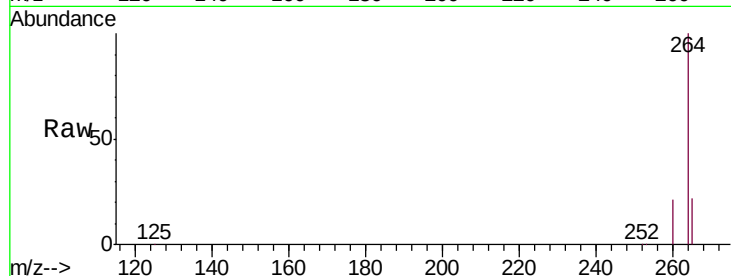
Tgt Ion: 252 Resp: 1884

Ion Ratio Lower Upper

252 100

253 46.9 26.7 40.1#

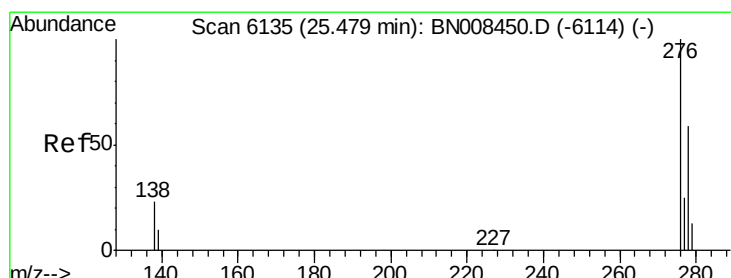
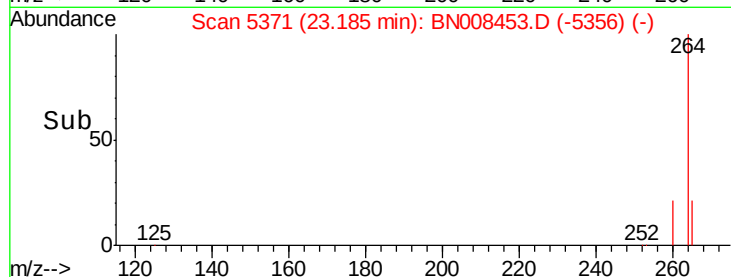
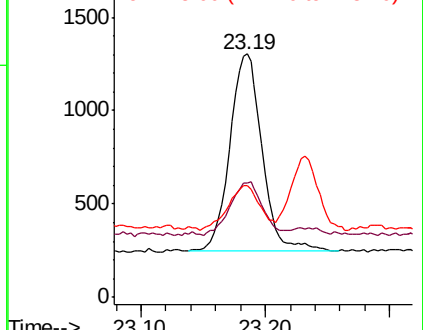
125 45.8 20.6 30.8#



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: 0.003 ng/ul

RT: 25.44 min Scan# 6124

Delta R.T. -0.04 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

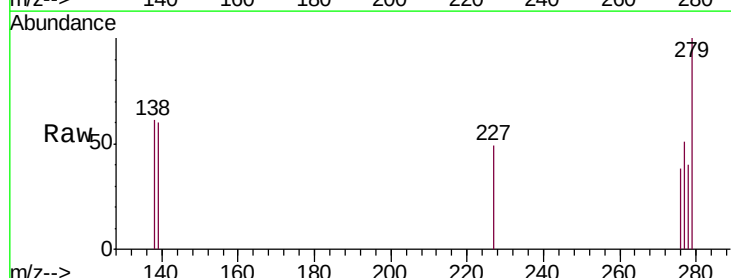
Tgt Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

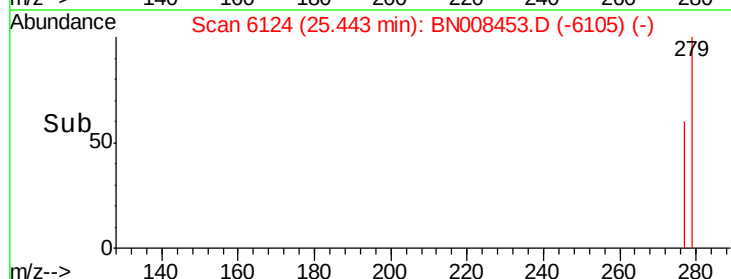
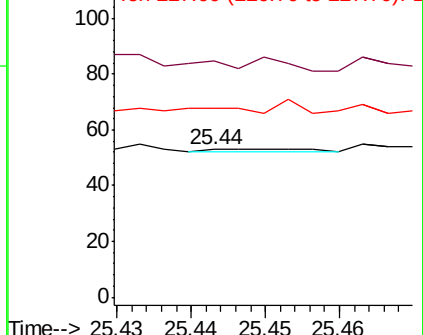
227 100.0 0.2 0.2#

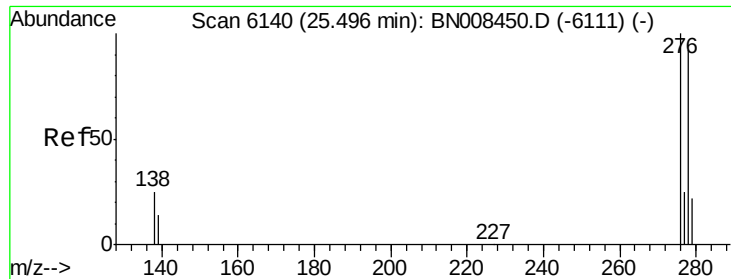


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.009 ng/ul

RT: 25.49 min Scan# 6137

Delta R.T. -0.01 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

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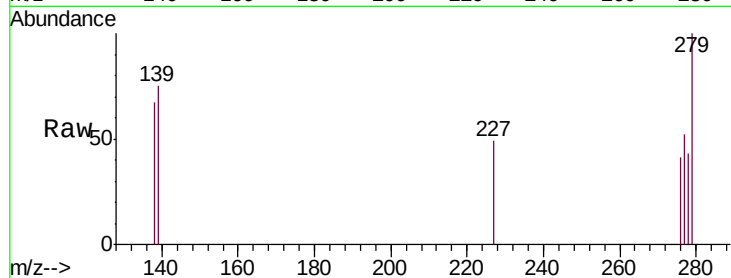
Tgt Ion: 278 Resp: 2

Ion Ratio Lower Upper

278 100

139 173.3 17.8 26.6#

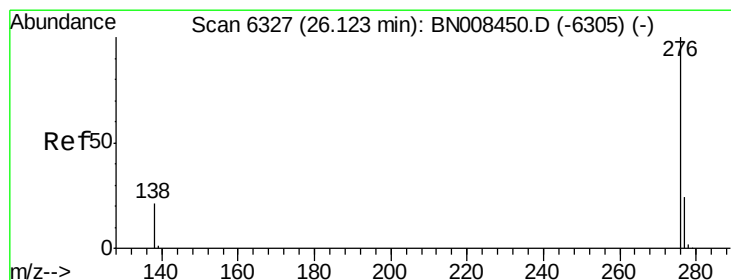
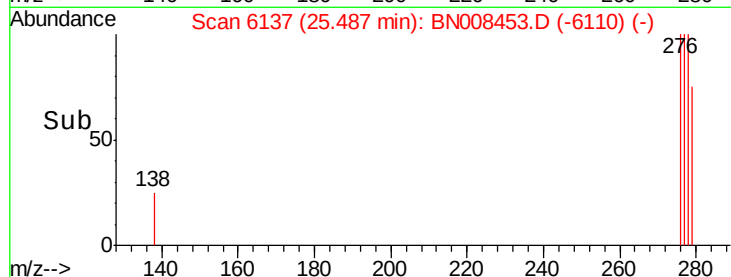
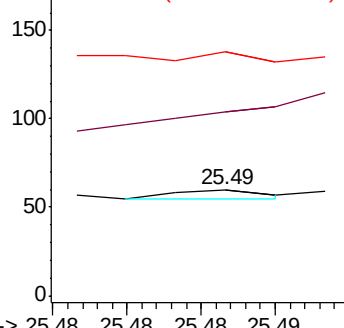
279 230.0 26.6 40.0#



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: Below Cal

RT: 26.10 min Scan# 6320

Delta R.T. -0.02 min

Lab File: BN008453.D

Acq: 05 Nov 2019 18:49

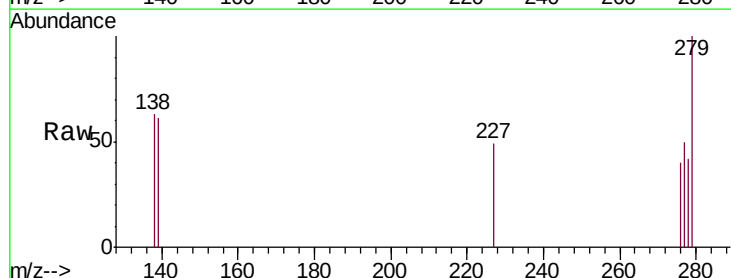
Tgt Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

138 156.4 19.9 29.9#

277 125.5 20.9 31.3#



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

