

Data File : BN008459.D
Acq On : 05 Nov 2019 22:24
Operator : JU
Sample : K5567-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLND7

Quant Time: Nov 06 01:00:12 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	1550	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	6978	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	4224	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	6827	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	7990	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	3298	0.31	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	9955	0.00	ng/ul	0.00

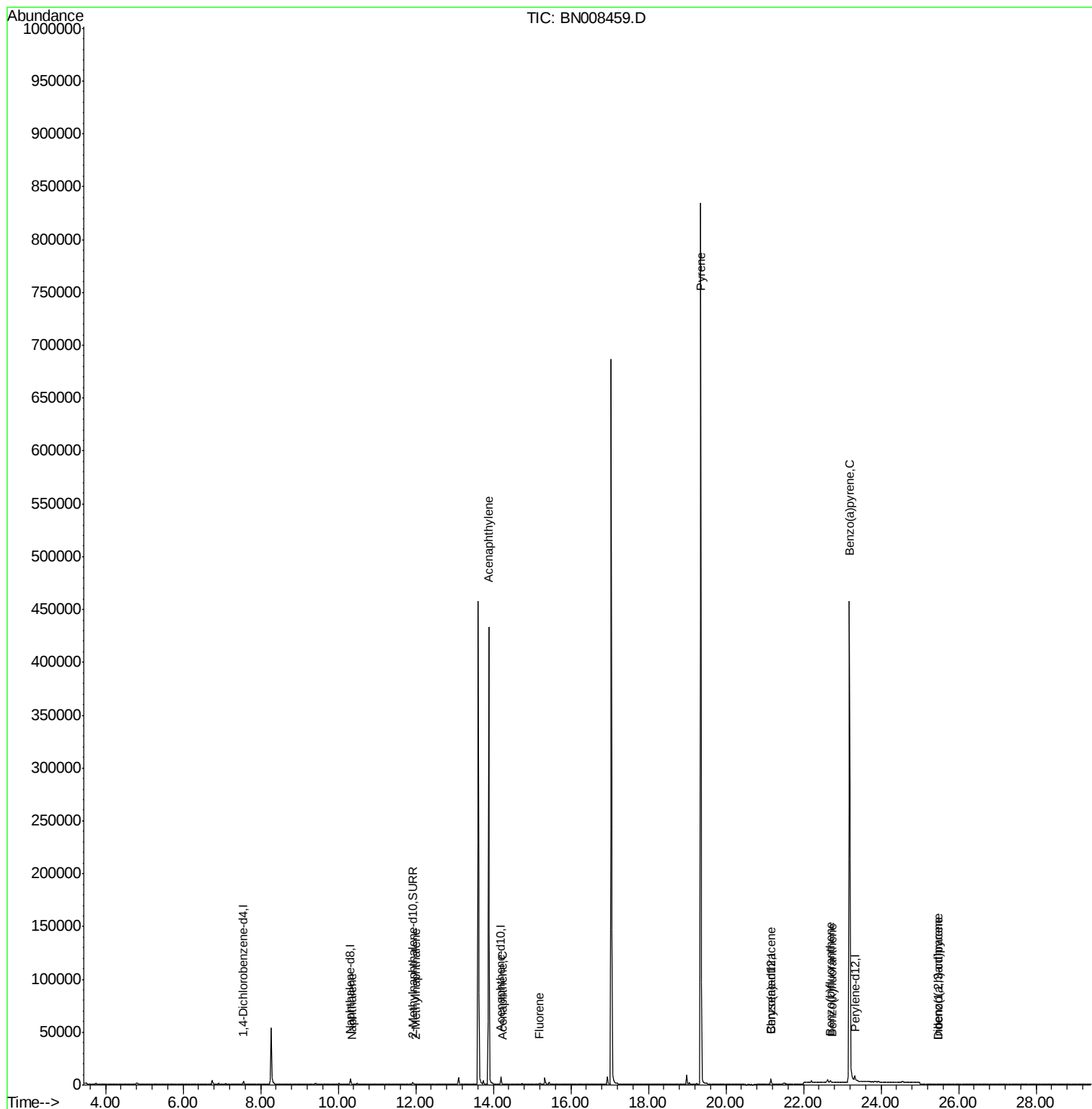
Target Compounds				Qvalue		
3) Naphthalene	10.36	128	167	0.008	ng/ul#	21
5) 2-Methylnaphthalene	12.00	142	88	0.021	ng/ul	94
7) Acenaphthylene	13.88	152	73	0.034	ng/ul#	1
8) Acenaphthene	14.24	153	14	0.018	ng/ul#	72
9) Fluorene	15.19	166	1175	0.093	ng/ul#	17
17) Pyrene	19.35	202	1281	0.027	ng/ul#	1
18) Benzo(a)anthracene	21.16	228	47	0.029	ng/ul#	1
19) Chrysene	21.20	228	25	Below Cal	#	1
21) Benzo(b)fluoranthene	22.69	252	145	0.028	ng/ul#	1
22) Benzo(k)fluoranthene	22.75	252	12	0.018	ng/ul#	1
23) Benzo(a)pyrene	23.19	252	2112	0.076	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	25.47	276	4	0.004	ng/ul#	48
25) Dibenzo(a,h)anthracene	25.48	278	3	0.009	ng/ul#	1
26) Benzo(g,h,i)perylene	26.13	276	2	Below Cal	#	1

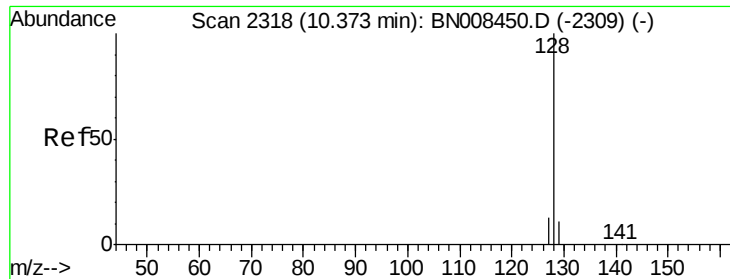
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.008 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.01 min

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Acq: 05 Nov 2019 22:24

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BNA_N

ClientSampleId :

JLND7

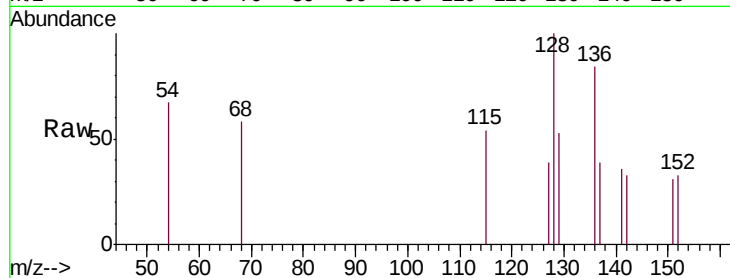
Tgt Ion:128 Resp: 167

Ion Ratio Lower Upper

128 100

129 52.5 10.2 15.2#

127 38.7 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

10.36

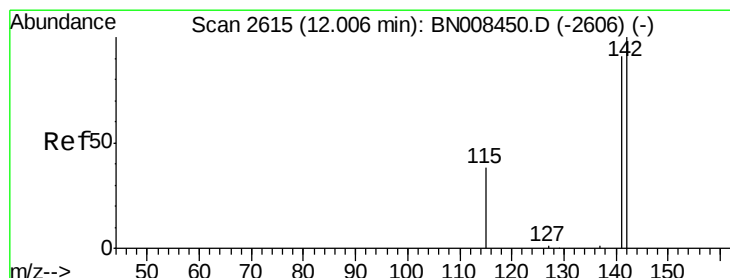
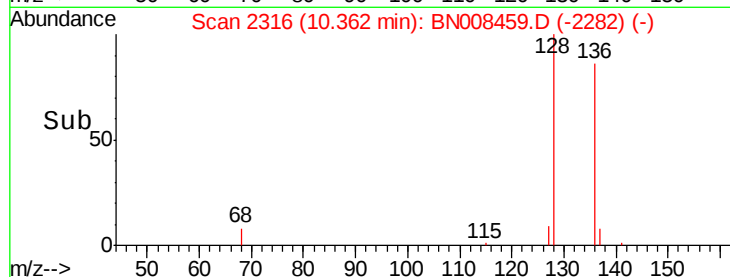
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 12.00 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BN008459.D

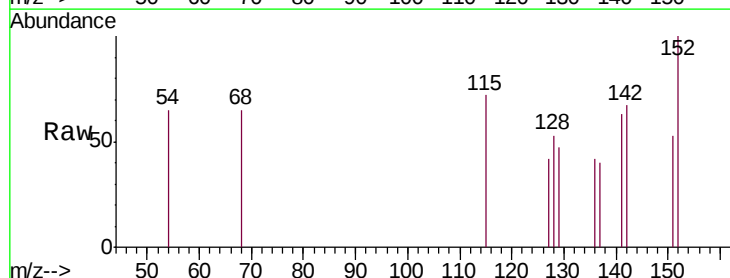
Acq: 05 Nov 2019 22:24

Tgt Ion:142 Resp: 88

Ion Ratio Lower Upper

142 100

141 84.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.00

100

80

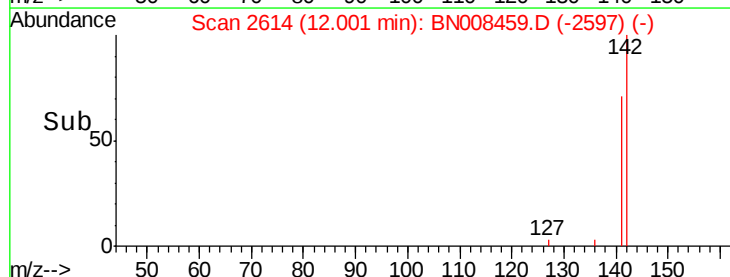
60

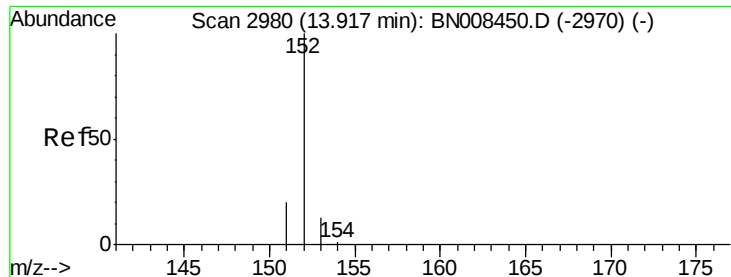
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.04 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

Instrument :

BNA_N

ClientSampleId :

JLND7

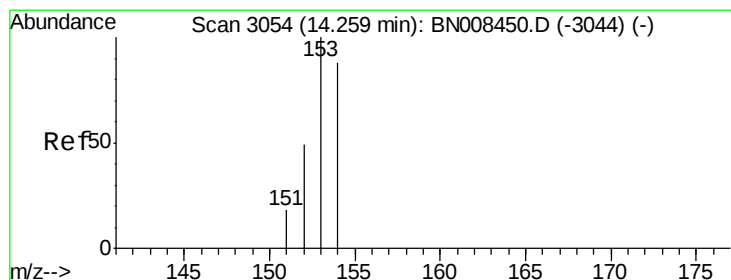
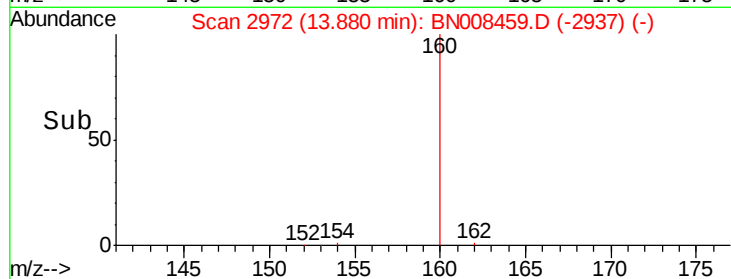
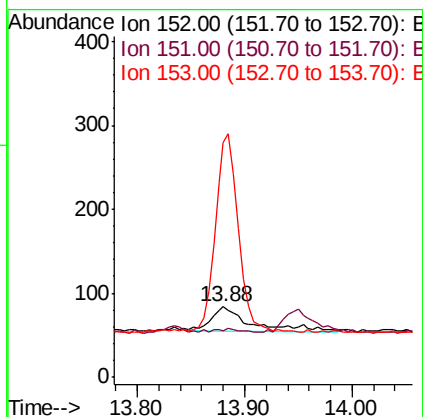
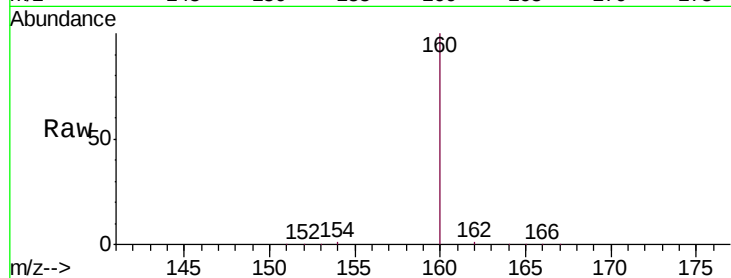
Tgt Ion:152 Resp: 73

Ion Ratio Lower Upper

152 100

151 65.5 16.6 25.0#

153 332.1 11.4 17.0#



#8

Acenaphthene

Concen: 0.018 ng/ul

RT: 14.24 min Scan# 3049

Delta R.T. -0.02 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

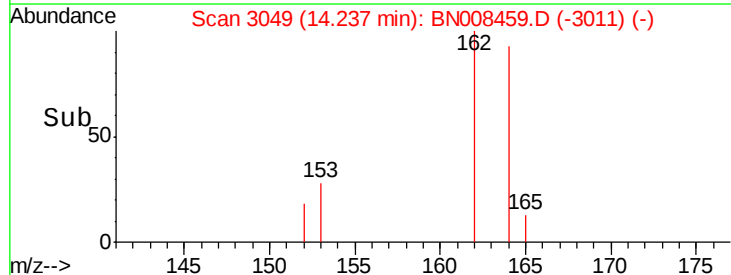
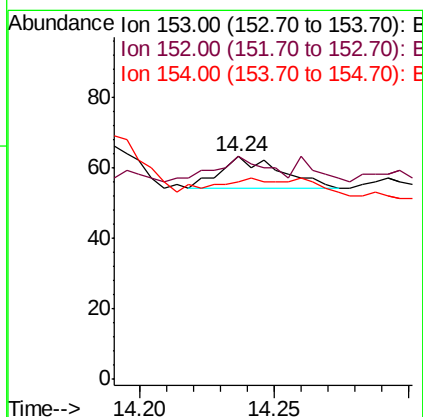
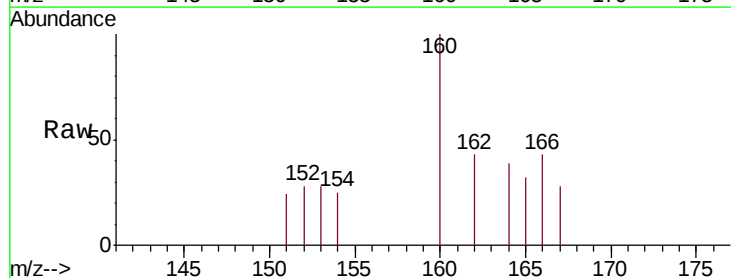
Tgt Ion:153 Resp: 14

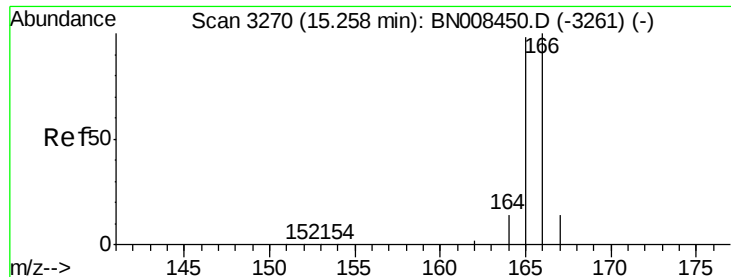
Ion Ratio Lower Upper

153 100

152 100.0 40.2 60.2#

154 88.9 69.1 103.7





#9

Fluorene

Concen: 0.093 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.06 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

Instrument :

BNA_N

ClientSampleId :

JLND7

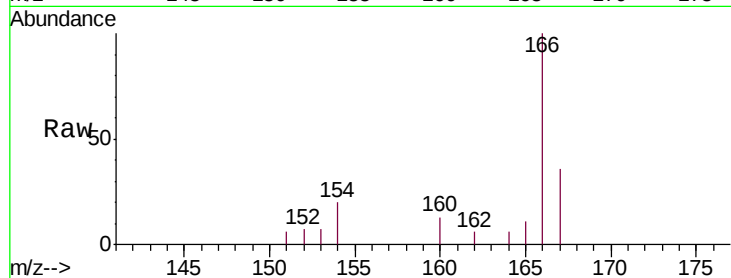
Tgt Ion:166 Resp: 1175

Ion Ratio Lower Upper

166 100

165 10.7 78.5 117.7#

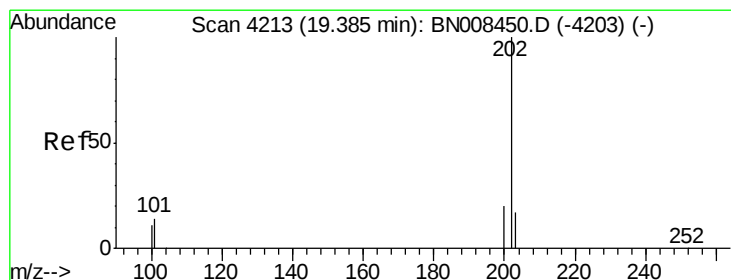
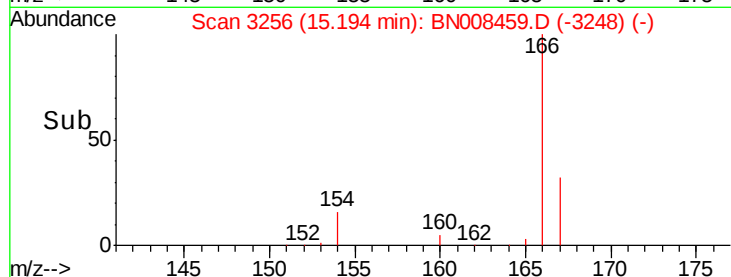
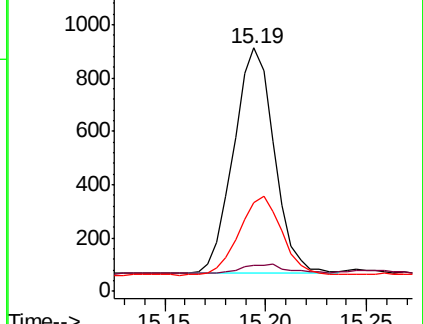
167 36.4 12.4 18.6#



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: 0.027 ng/ul

RT: 19.35 min Scan# 4205

Delta R.T. -0.04 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

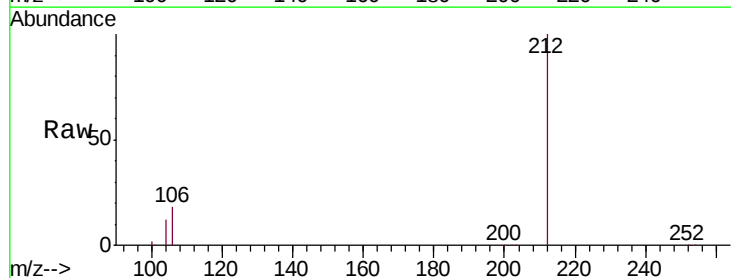
Tgt Ion:202 Resp: 1281

Ion Ratio Lower Upper

202 100

101 182.3 11.6 17.4#

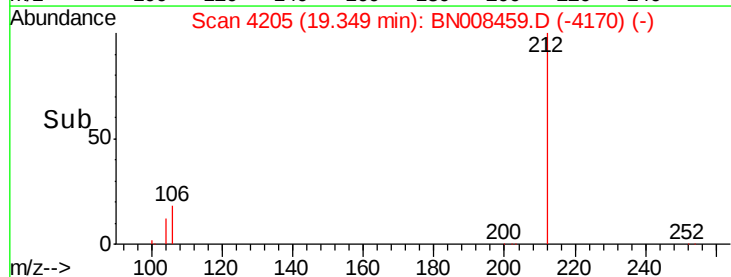
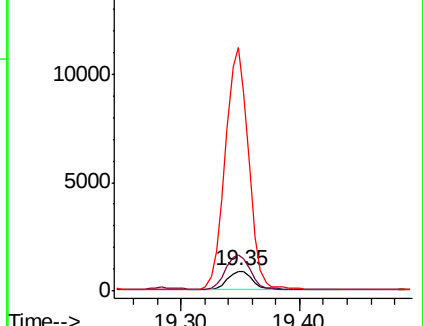
100 1203.0 9.4 14.0#

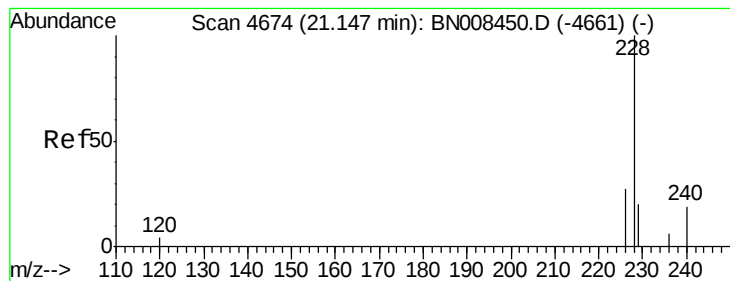


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.029 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. 0.01 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

Instrument :

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ClientSampleId :

JLND7

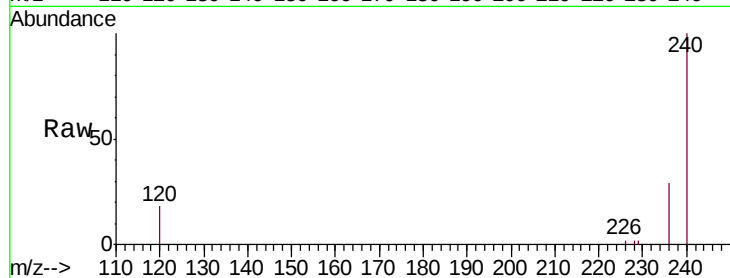
Tgt Ion:228 Resp: 47

Ion Ratio Lower Upper

228 100

229 110.6 16.8 25.2#

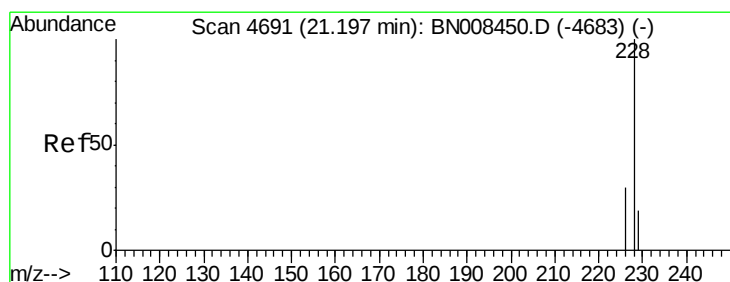
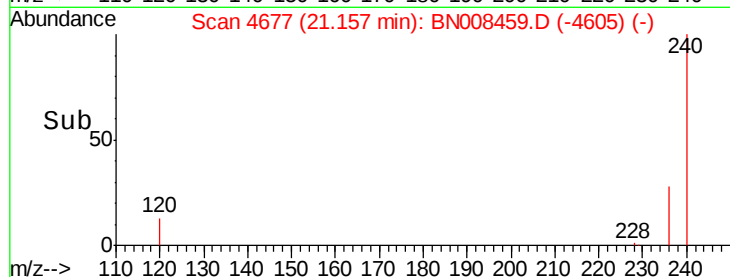
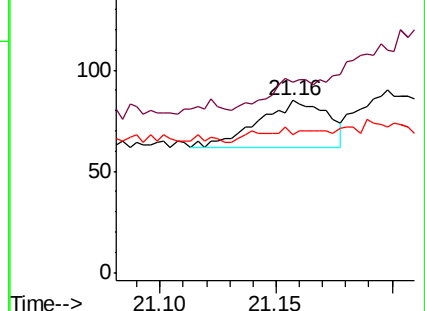
226 80.0 22.1 33.1#



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# 4691

Delta R.T. 0.00 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

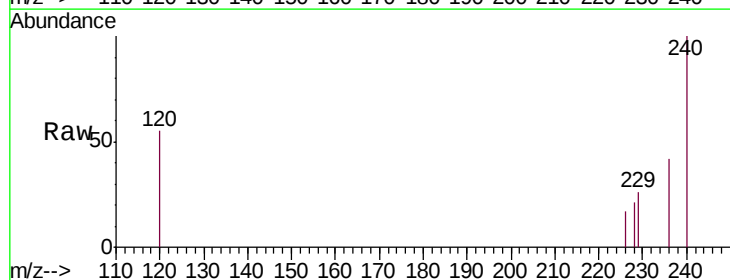
Tgt Ion:228 Resp: 25

Ion Ratio Lower Upper

228 100

226 80.0 24.6 37.0#

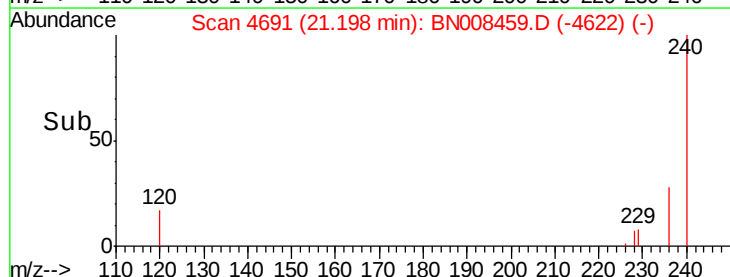
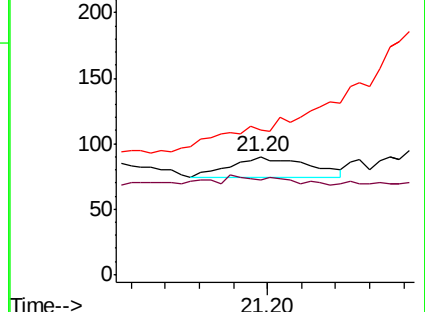
229 122.2 16.6 24.8#

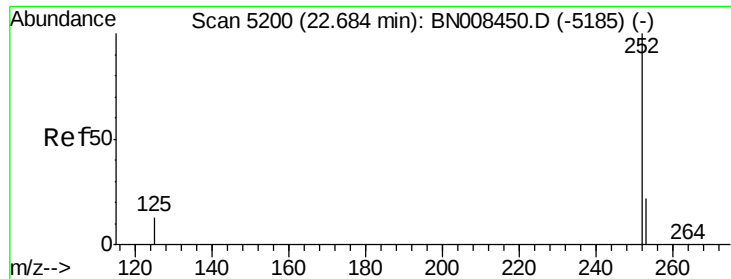


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.028 ng/u1

RT: 22.69 min Scan# 5202

Delta R.T. 0.01 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

Instrument :

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ClientSampleId :

JLND7

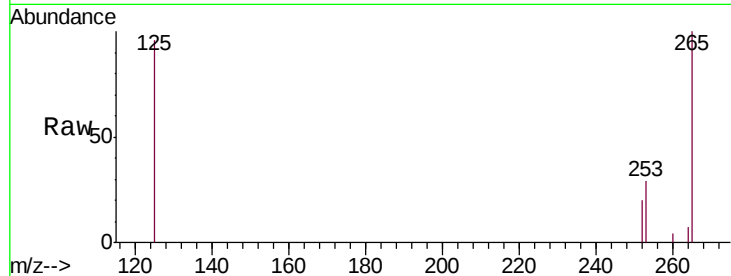
Tgt Ion:252 Resp: 145

Ion Ratio Lower Upper

252 100

253 141.7 0.0 59.6#

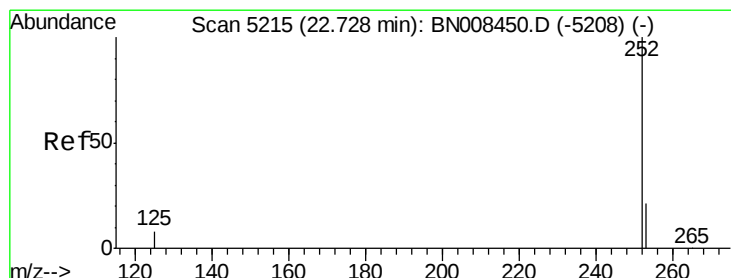
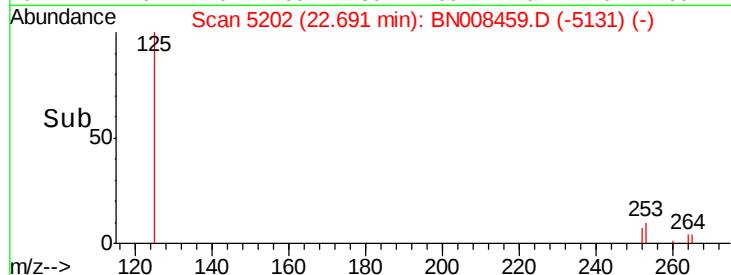
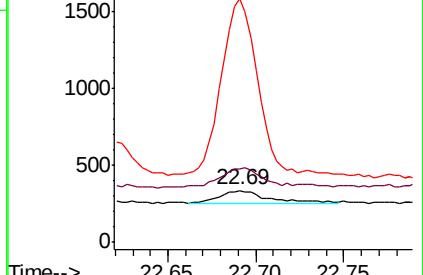
125 469.2 0.0 40.0#



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: 0.018 ng/u1

RT: 22.75 min Scan# 5222

Delta R.T. 0.02 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

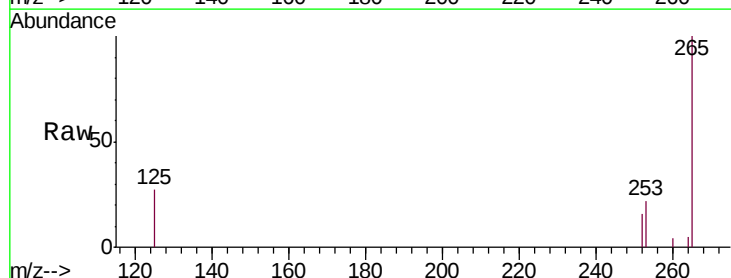
Tgt Ion:252 Resp: 12

Ion Ratio Lower Upper

252 100

253 138.5 24.3 36.5#

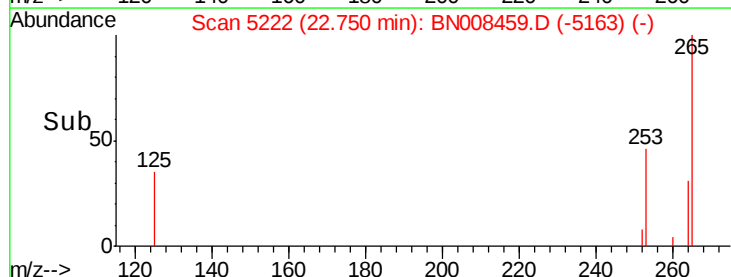
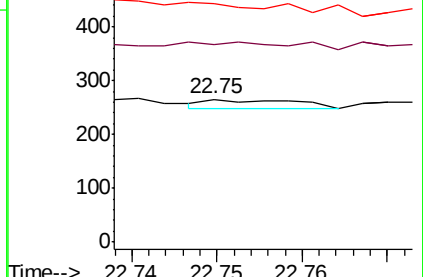
125 167.5 15.8 23.8#

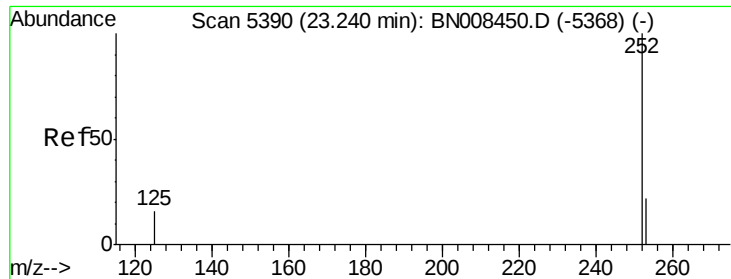


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.076 ng/u1

RT: 23.19 min Scan# 5371

Delta R.T. -0.05 min

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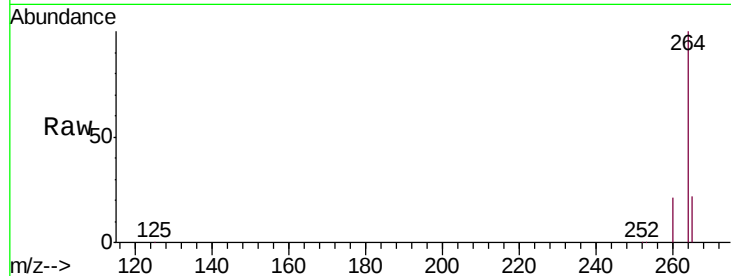
Tgt Ion:252 Resp: 2112

Ion Ratio Lower Upper

252 100

253 48.4 26.7 40.1#

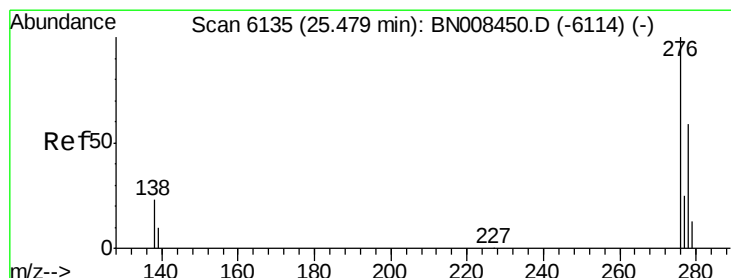
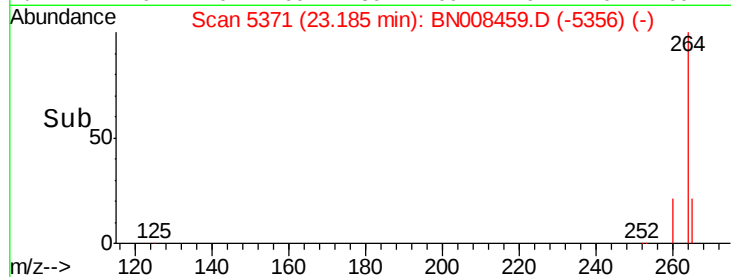
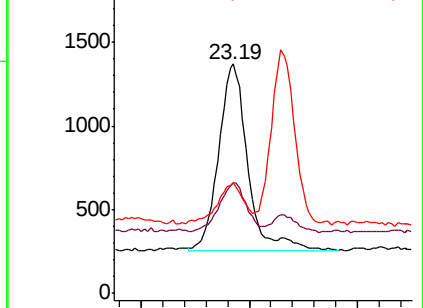
125 48.0 20.6 30.8#



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: 0.004 ng/u1

RT: 25.47 min Scan# 6131

Delta R.T. -0.01 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

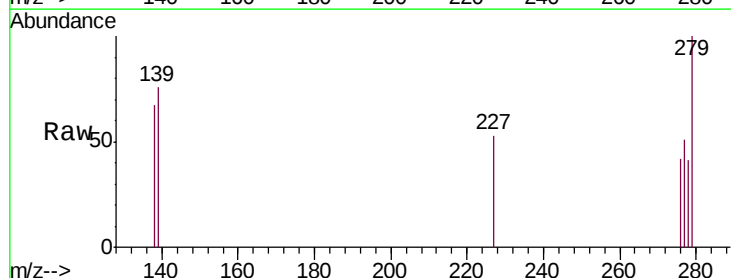
Tgt Ion:276 Resp: 4

Ion Ratio Lower Upper

276 100

138 50.0 19.4 29.0#

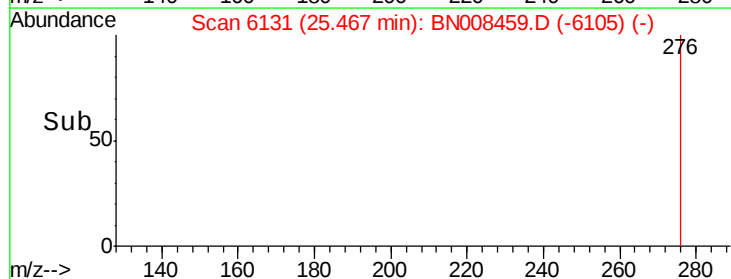
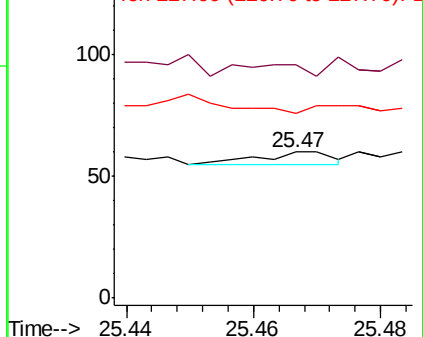
227 75.0 0.2 0.2#

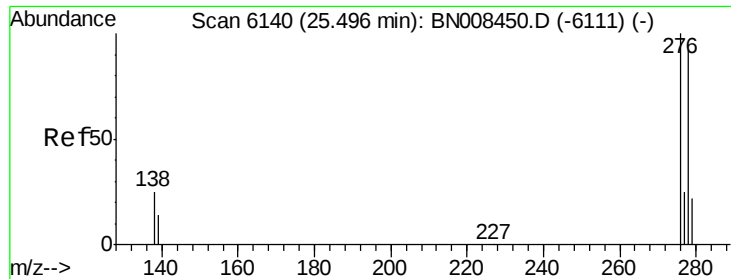


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.48 min Scan# 6135

Delta R.T. -0.02 min

Lab File: BN008459.D

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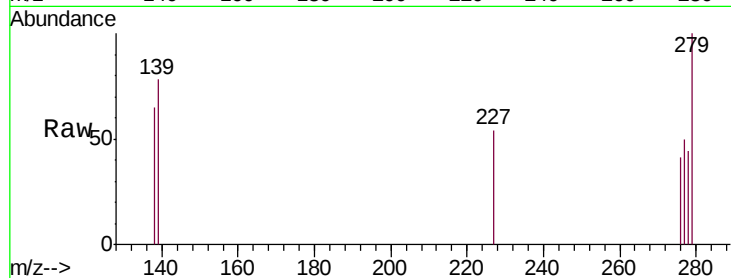
Tgt Ion: 278 Resp: 3

Ion Ratio Lower Upper

278 100

139 177.8 17.8 26.6#

279 227.0 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

200

150

100

50

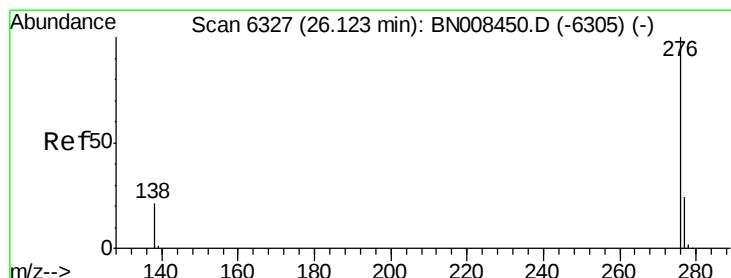
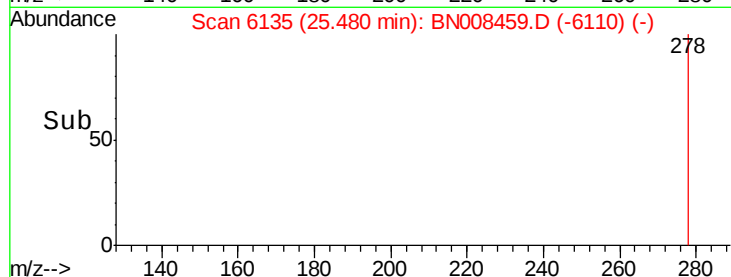
0

25.46

25.48

25.50

Time-->



#26

Benzo(g,h,i)perylene

Concen: Below Cal

RT: 26.13 min Scan# 6328

Delta R.T. 0.00 min

Lab File: BN008459.D

Acq: 05 Nov 2019 22:24

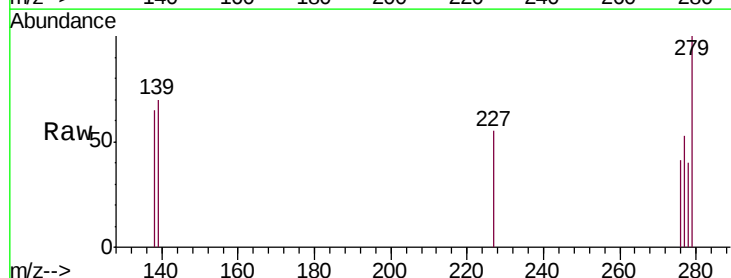
Tgt Ion: 276 Resp: 2

Ion Ratio Lower Upper

276 100

138 159.3 19.9 29.9#

277 128.8 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

120

100

80

60

40

20

0

26.11

26.12

26.13

26.14

Time-->

