

Data File : BN008513.D
Acq On : 08 Nov 2019 17:38
Operator : JU
Sample : K5699-04DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F2J01DL

Quant Time: Nov 08 23:05:35 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 : Fri Nov 08 23:03:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	1486	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.31	136	6380	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.19	164	3839	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	7932	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	5872	0.40	ng/ul	0.00
20) Perylene-d12	23.31	264	5448	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	450	0.04	ng/ul	0.02
14) Fluoranthene-d10	18.98	212	1494	0.06	ng/ul	0.00

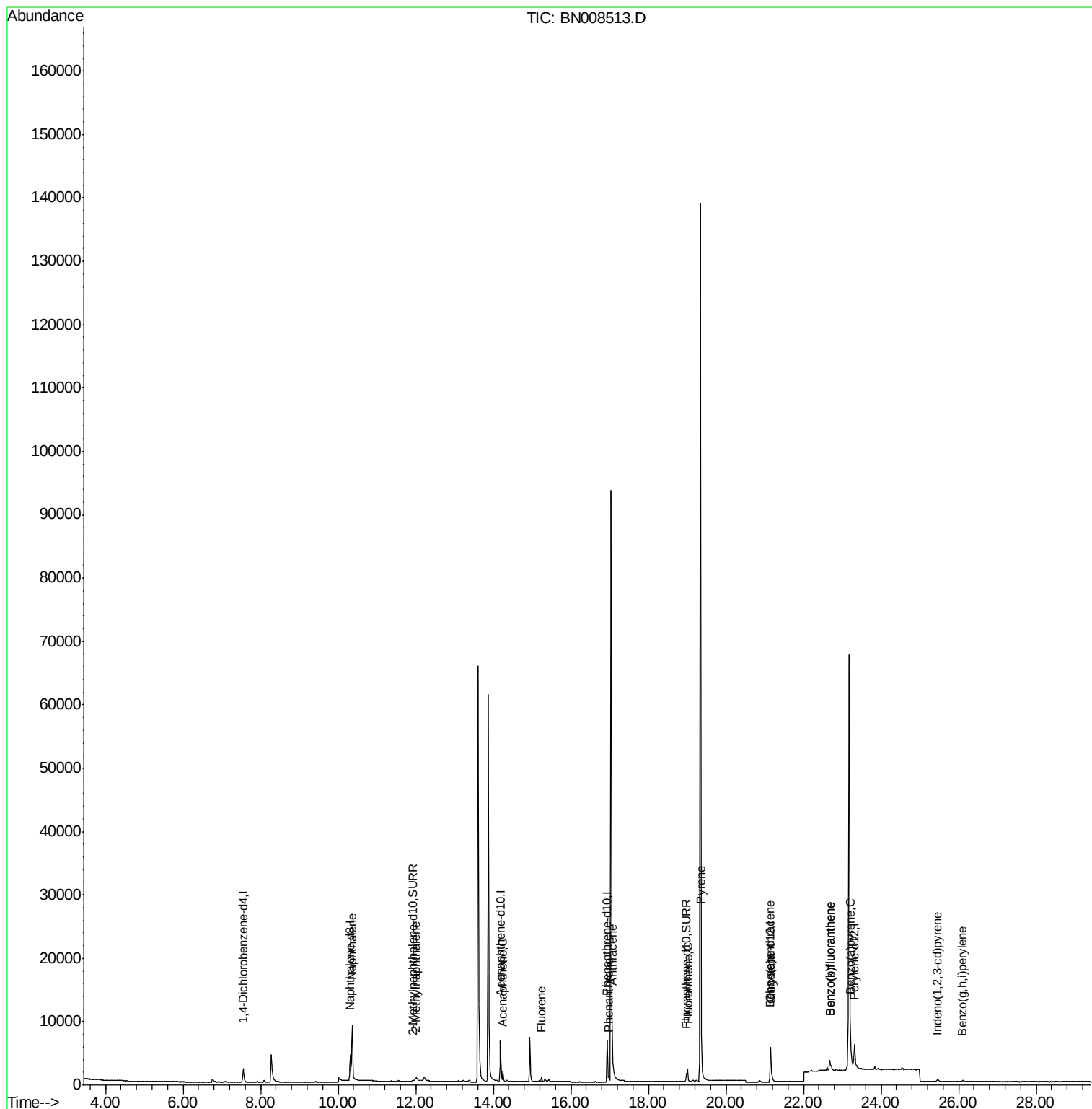
Target Compounds			Qvalue			
3) Naphthalene	10.36	128	13749	0.757	ng/ul	98
5) 2-Methylnaphthalene	12.01	142	875	0.072	ng/ul	100
8) Acenaphthene	14.25	153	917	0.063	ng/ul	97
9) Fluorene	15.25	166	529	0.033	ng/ul#	96
12) Phenanthrene	16.98	178	654	0.027	ng/ul#	78
13) Anthracene	17.07	178	1308	0.062	ng/ul#	84
15) Fluoranthene	19.01	202	1877	0.068	ng/ul	95
17) Pyrene	19.37	202	2827	0.099	ng/ul#	91
18) Benzo(a)anthracene	21.14	228	726	0.036	ng/ul#	81
19) Chrysene	21.16	228	1483	0.057	ng/ul#	81
21) Benzo(b)fluoranthene	22.67	252	2926	0.144	ng/ul	65
22) Benzo(k)fluoranthene	22.67	252	2926	0.127	ng/ul#	52
23) Benzo(a)pyrene	23.22	252	823	0.040	ng/ul#	27
24) Indeno(1,2,3-cd)pyrene	25.46	276	527	0.023	ng/ul#	100
26) Benzo(g,h,i)perylene	26.10	276	472	0.023	ng/ul#	48

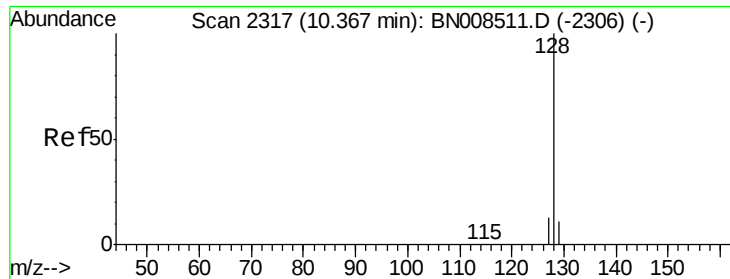
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.757 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008513.D

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Instrument :

BNA_N

ClientSampleId :

F2J01DL

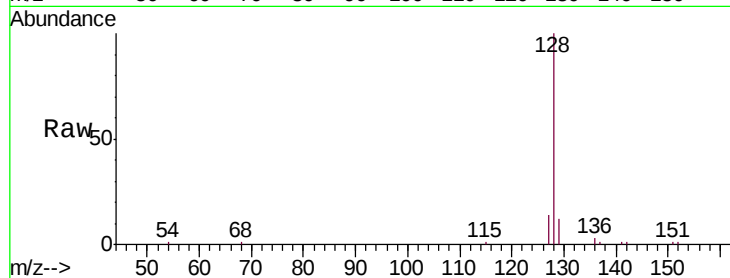
Tgt Ion:128 Resp: 13749

Ion Ratio Lower Upper

128 100

129 11.7 10.0 15.0

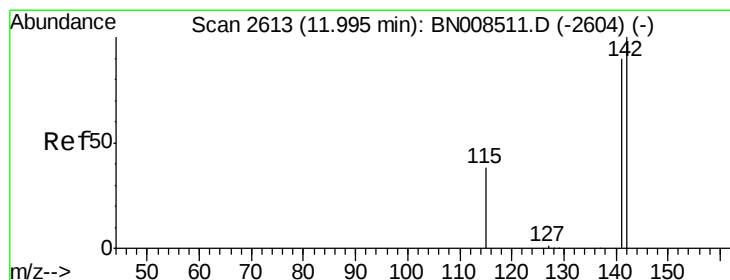
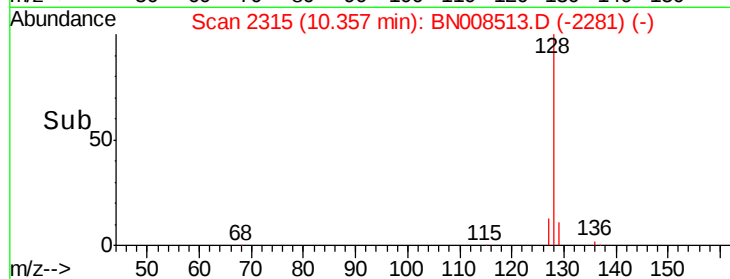
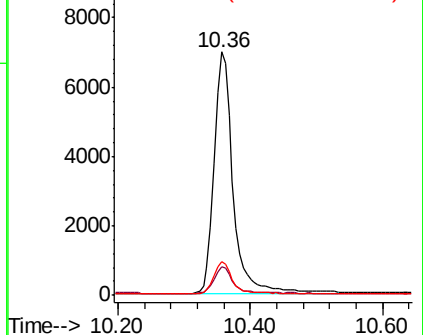
127 14.0 11.6 17.4



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: 0.072 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. 0.01 min

Lab File: BN008513.D

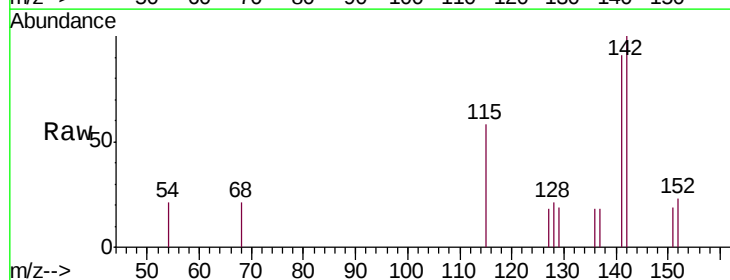
Acq: 08 Nov 2019 17:38

Tgt Ion:142 Resp: 875

Ion Ratio Lower Upper

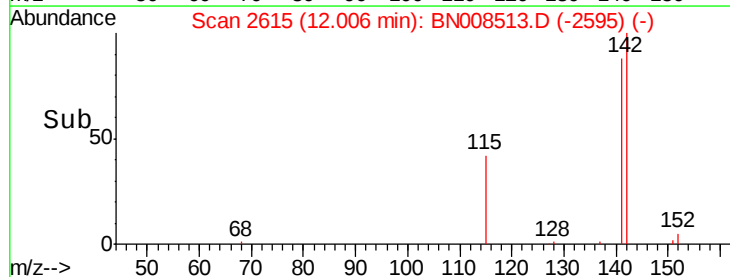
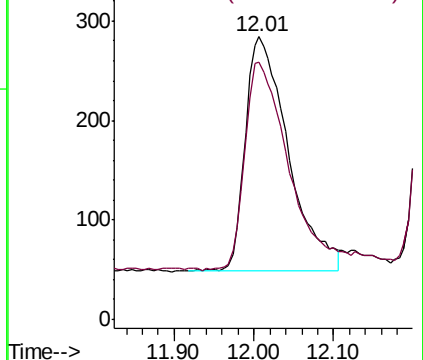
142 100

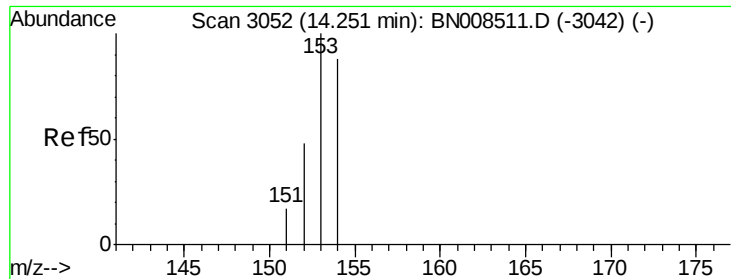
141 91.3 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.063 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BN008513.D

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Instrument :

BNA_N

ClientSampleId :

F2J01DL

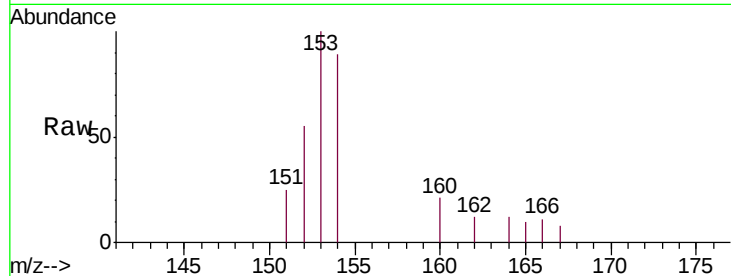
Tgt Ion:153 Resp: 917

Ion Ratio Lower Upper

153 100

152 54.6 39.8 59.8

154 88.9 71.6 107.4



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

14.25

600

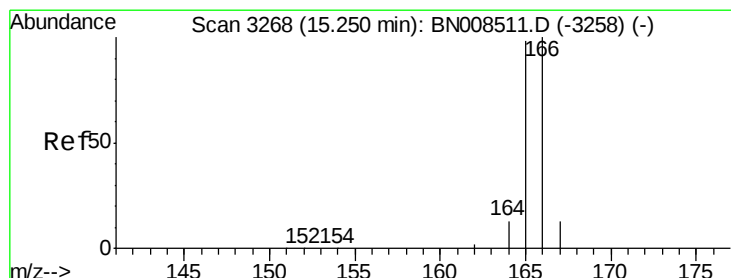
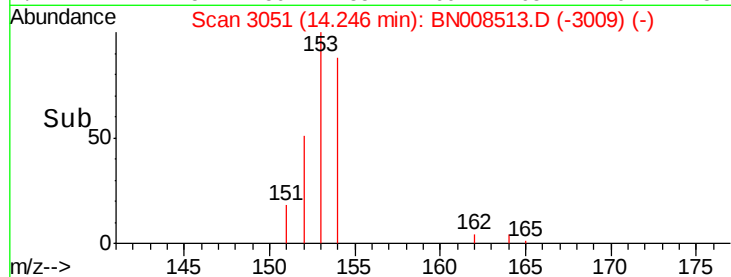
400

200

0

14.20 14.25 14.30

Time-->



#9

Fluorene

Concen: 0.033 ng/ul

RT: 15.25 min Scan# 3267

Delta R.T. -0.00 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

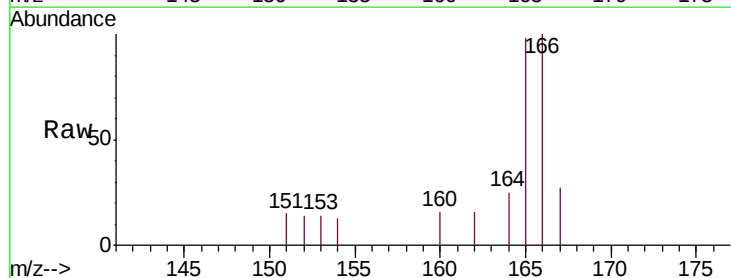
Tgt Ion:166 Resp: 529

Ion Ratio Lower Upper

166 100

165 98.1 78.2 117.2

167 27.3 12.1 18.1#



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

15.25

500

400

300

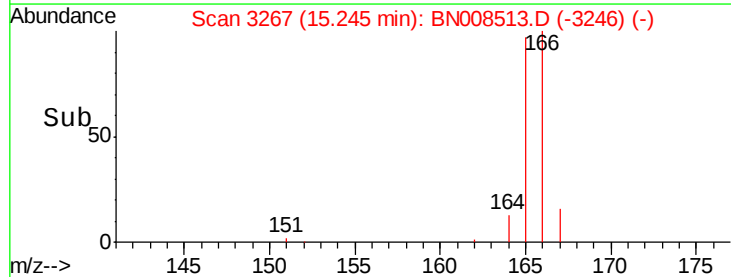
200

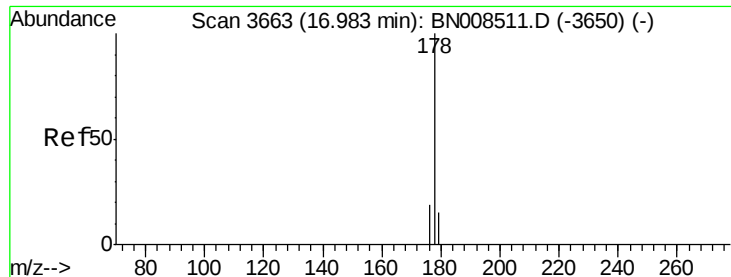
100

0

15.20 15.30

Time-->





#12

Phenanthrene

Concen: 0.027 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

Instrument :

BNA_N

ClientSampleId :

F2J01DL

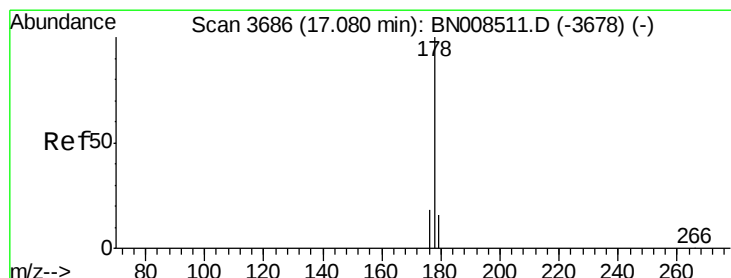
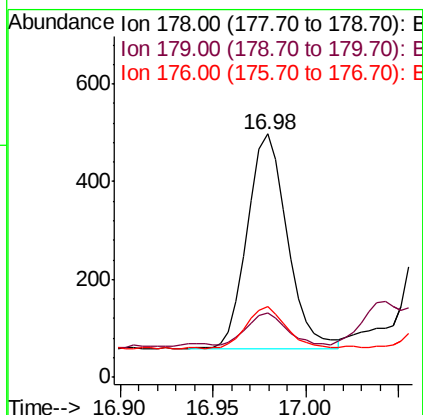
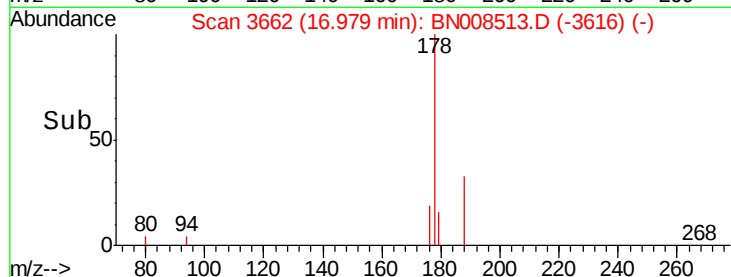
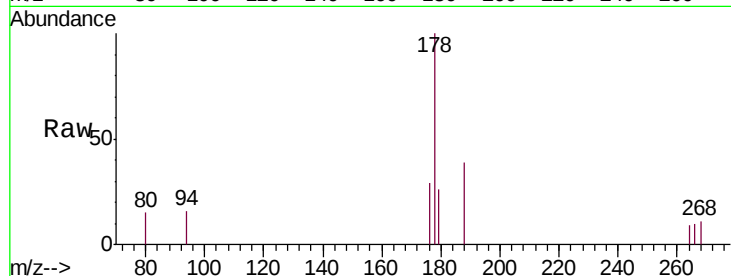
Tgt Ion:178 Resp: 654

Ion Ratio Lower Upper

178 100

179 26.3 13.2 19.8#

176 28.9 15.6 23.4#



#13

Anthracene

Concen: 0.062 ng/ul

RT: 17.07 min Scan# 3684

Delta R.T. -0.01 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

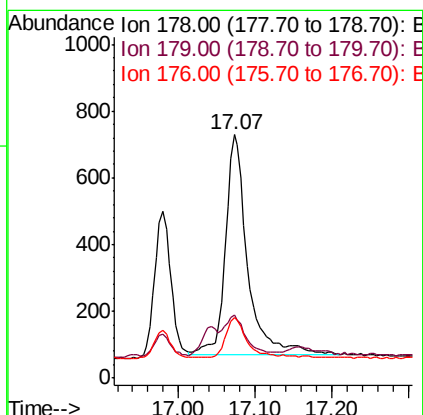
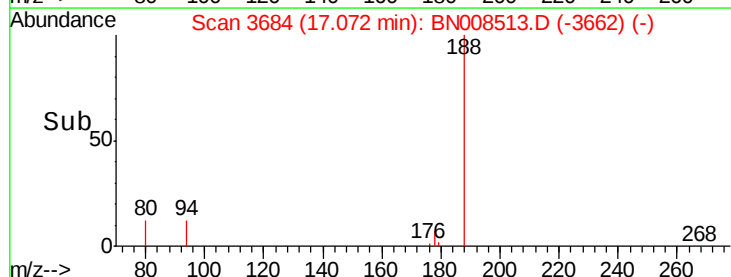
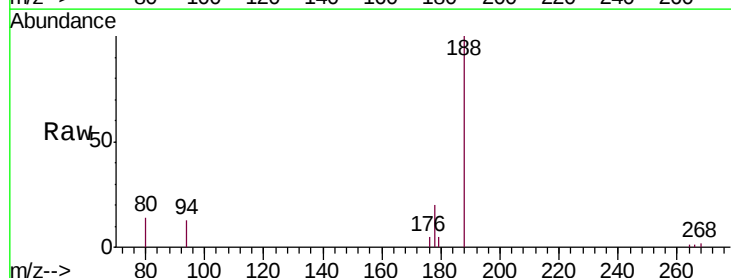
Tgt Ion:178 Resp: 1308

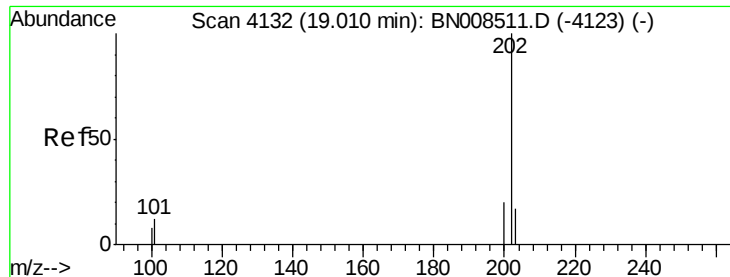
Ion Ratio Lower Upper

178 100

179 25.9 13.7 20.5#

176 25.1 15.7 23.5#

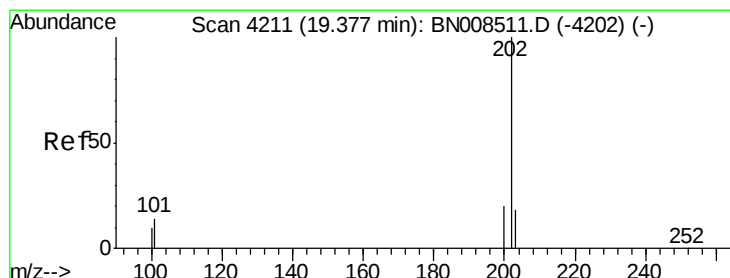
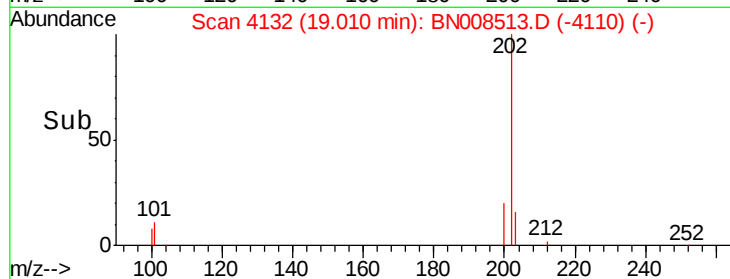
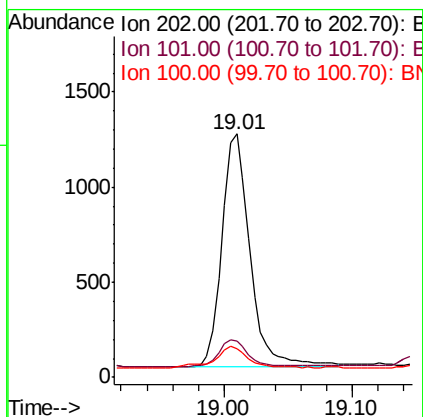
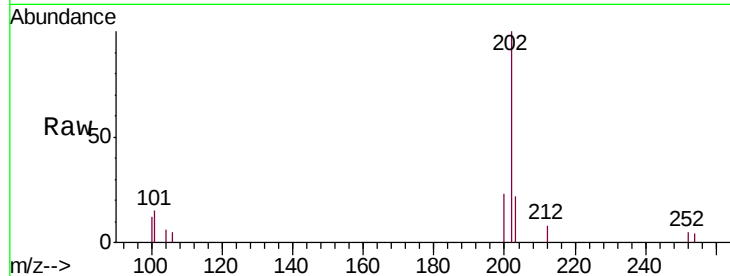




#15
Fluoranthene
 Concen: 0.068 ng/ul
 RT: 19.01 min Scan# 4132
 Delta R.T. 0.00 min
 Lab File: BN008513.D
 Acq: 08 Nov 2019 17:38

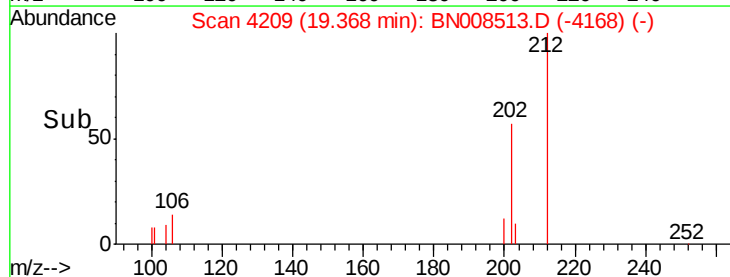
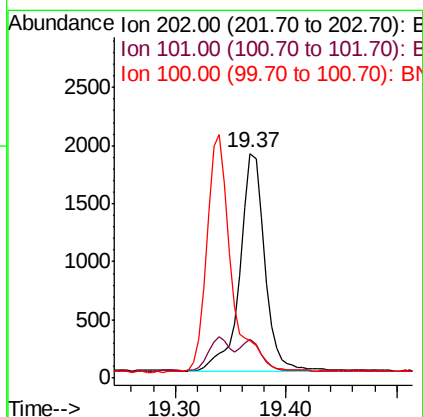
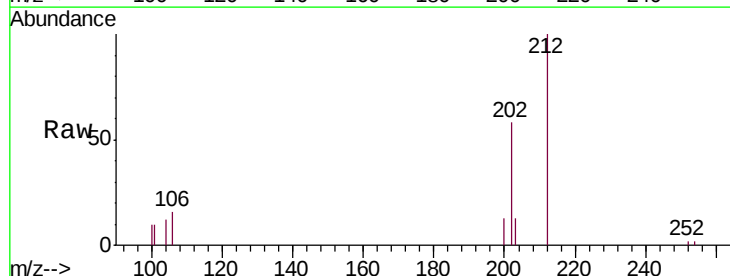
Instrument :
 BNA_N
 ClientSampleId :
 F2J01DL

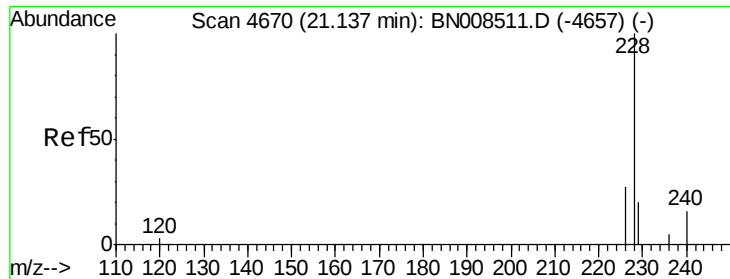
Tgt Ion:202 Resp: 1877
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 33.0
 100 12.0 0.0 30.2



#17
Pyrene
 Concen: 0.099 ng/ul
 RT: 19.37 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: BN008513.D
 Acq: 08 Nov 2019 17:38

Tgt Ion:202 Resp: 2827
 Ion Ratio Lower Upper
 202 100
 101 17.2 11.6 17.4
 100 16.7 9.4 14.0#





#18

Benzo(a)anthracene

Concen: 0.036 ng/ul

RT: 21.14 min Scan# 4670

Delta R.T. 0.00 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

Instrument :

BNA_N

ClientSampleId :

F2J01DL

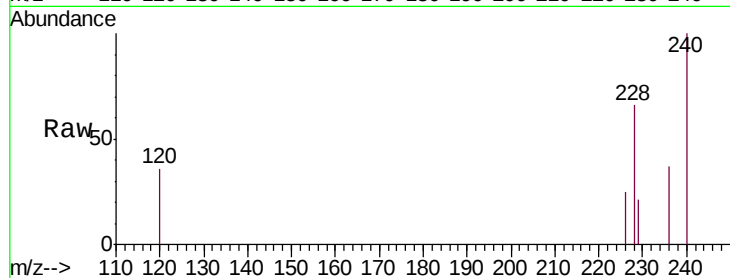
Tgt Ion:228 Resp: 726

Ion Ratio Lower Upper

228 100

229 31.4 16.6 24.8#

226 37.5 22.8 34.2#

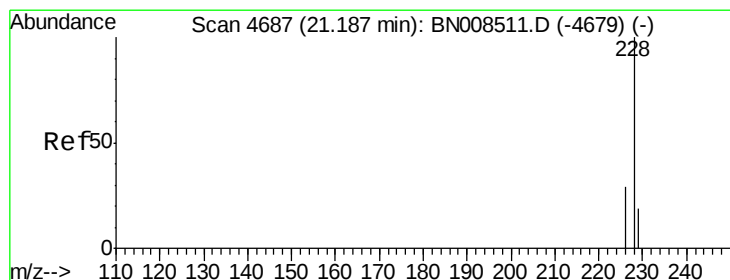
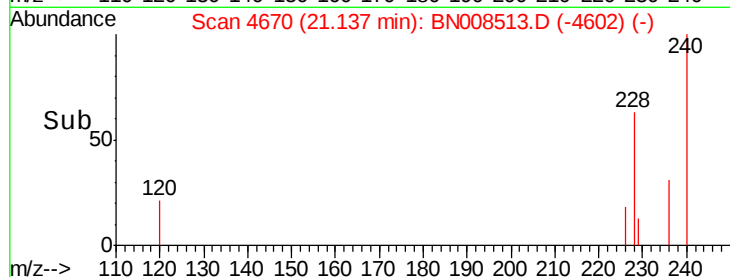
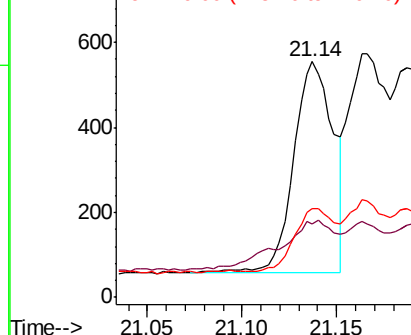


Abundance

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: 0.057 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.02 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

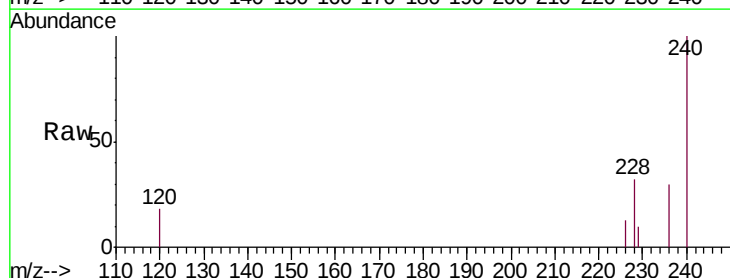
Tgt Ion:228 Resp: 1483

Ion Ratio Lower Upper

228 100

226 40.3 24.9 37.3#

229 31.1 16.6 25.0#

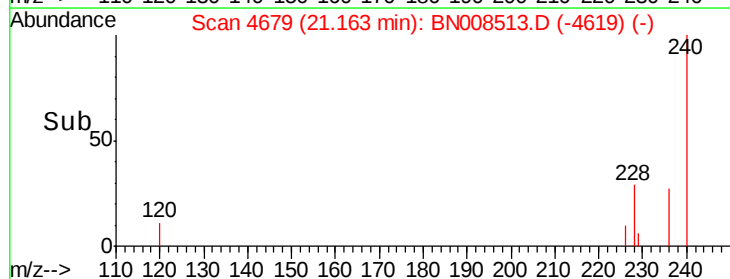
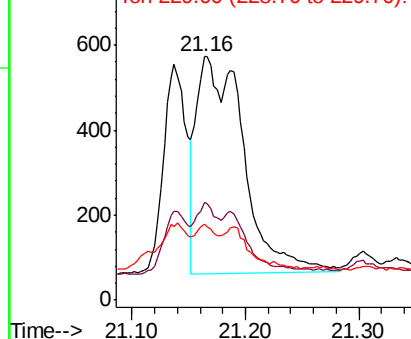


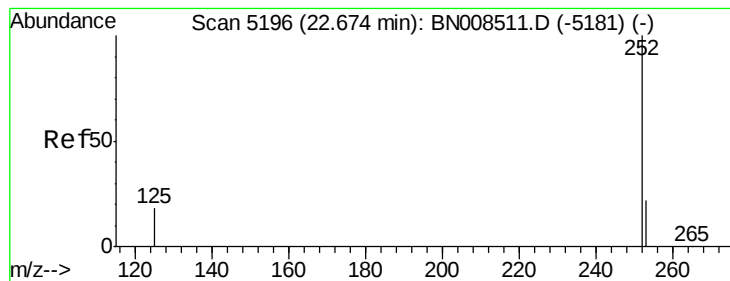
Abundance

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: 0.144 ng/ul

RT: 22.67 min Scan# 5196

Delta R.T. 0.00 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

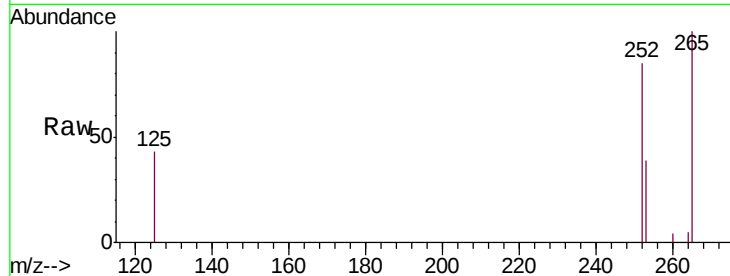
Instrument :

BNA_N

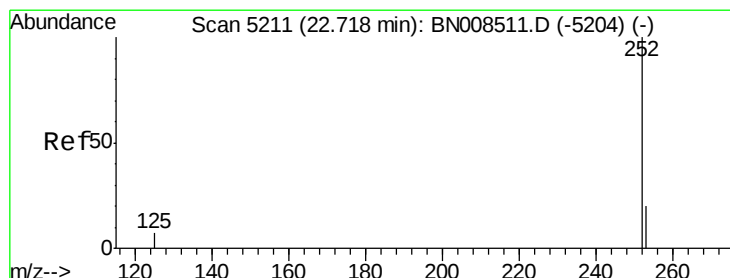
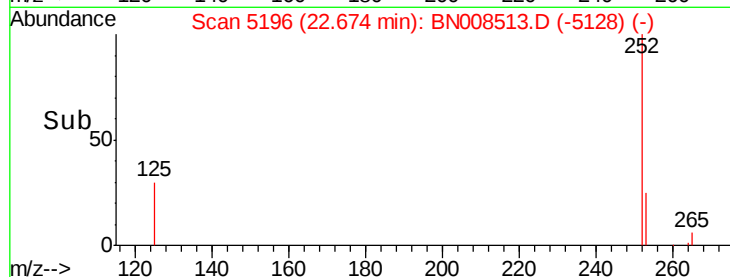
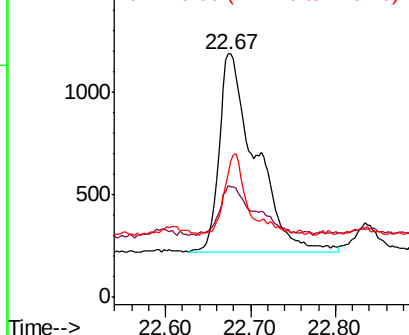
ClientSampleId :

F2J01DL

Tgt Ion:	252	Resp:	2926
Ion	Ratio	Lower	Upper
252	100		
253	45.6	0.0	58.4
125	50.6	0.0	58.6



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



#22

Benzo(k)fluoranthene

Concen: 0.127 ng/ul

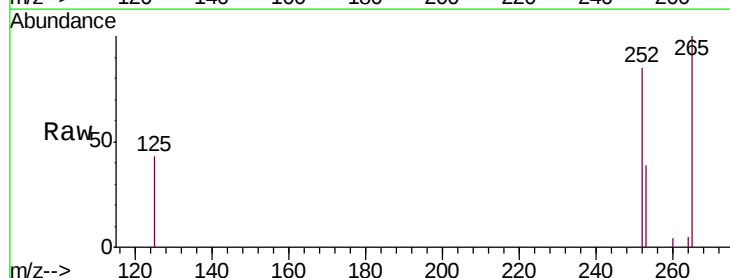
RT: 22.67 min Scan# 5196

Delta R.T. -0.04 min

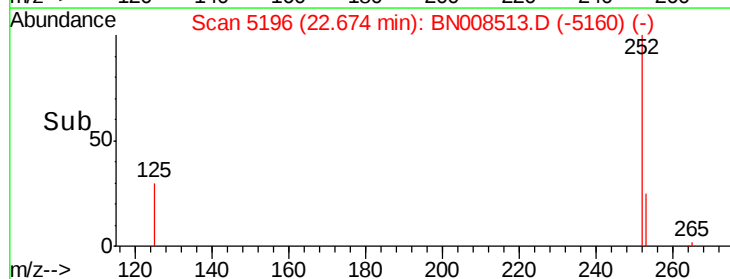
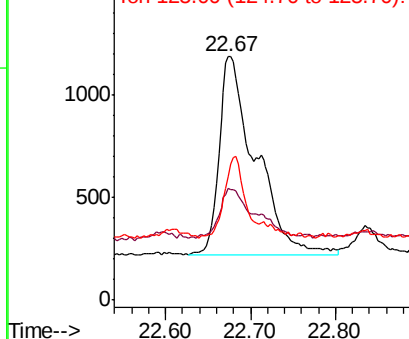
Lab File: BN008513.D

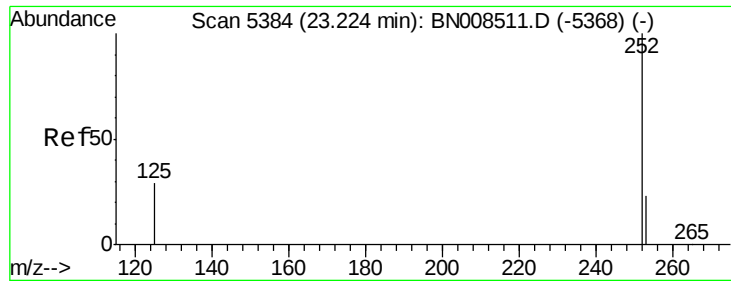
Acq: 08 Nov 2019 17:38

Tgt Ion:	252	Resp:	2926
Ion	Ratio	Lower	Upper
252	100		
253	45.6	22.6	34.0#
125	50.6	14.7	22.1#



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: 0.040 ng/u1

RT: 23.22 min Scan# 5382

Delta R.T. -0.01 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

Instrument :

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F2J01DL

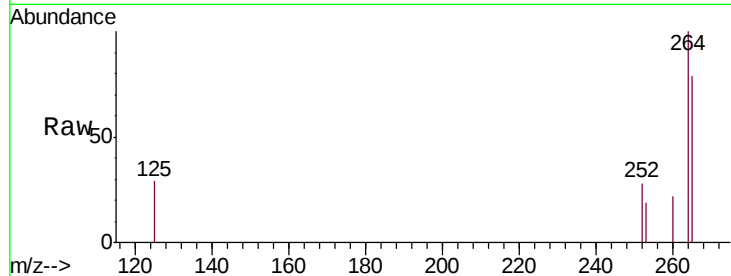
Tgt Ion:252 Resp: 823

Ion Ratio Lower Upper

252 100

253 66.2 27.2 40.8#

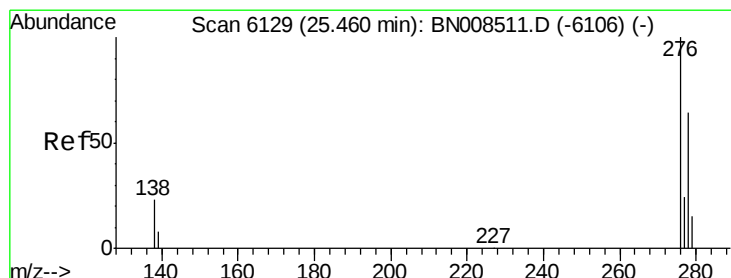
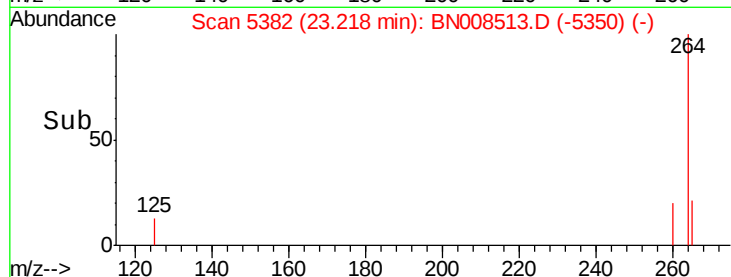
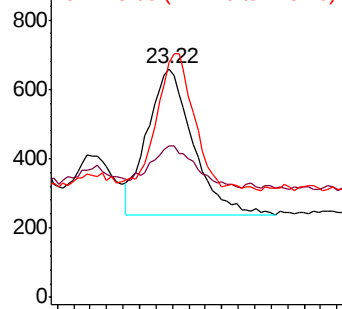
125 102.7 37.0 55.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng/u1

RT: 25.46 min Scan# 6130

Delta R.T. 0.00 min

Lab File: BN008513.D

Acq: 08 Nov 2019 17:38

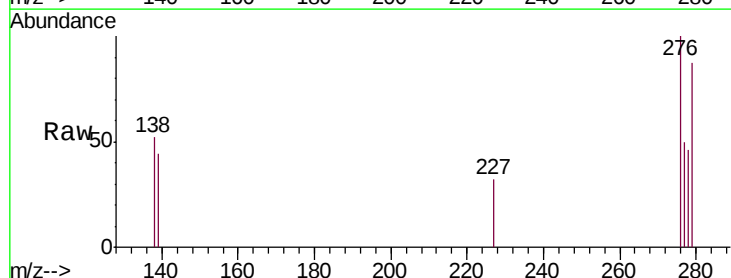
Tgt Ion:276 Resp: 527

Ion Ratio Lower Upper

276 100

138 22.8 18.3 27.5

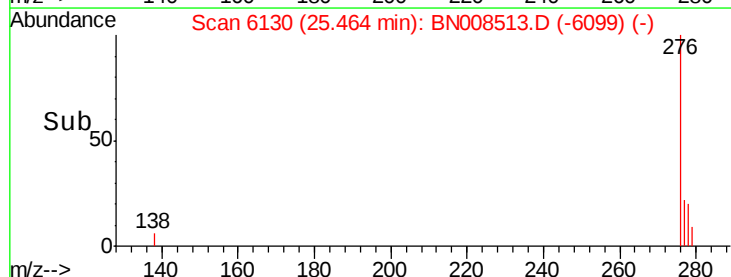
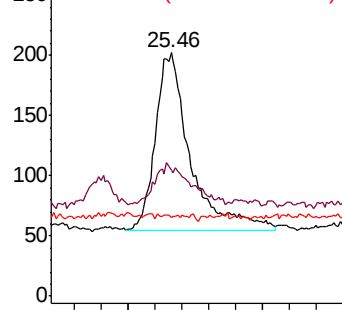
227 0.4 0.0 0.0#

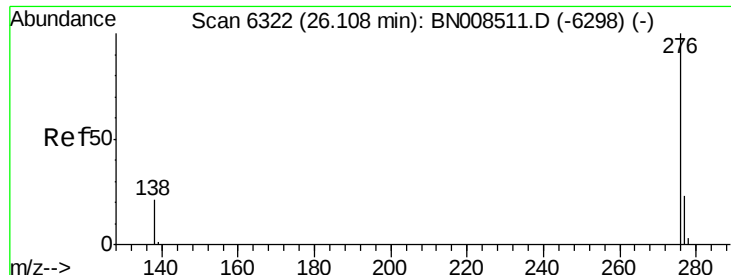


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.023 ng/u1

RT: 26.10 min Scan# 6321

Delta R.T. -0.00 min

Lab File: BN008513.D

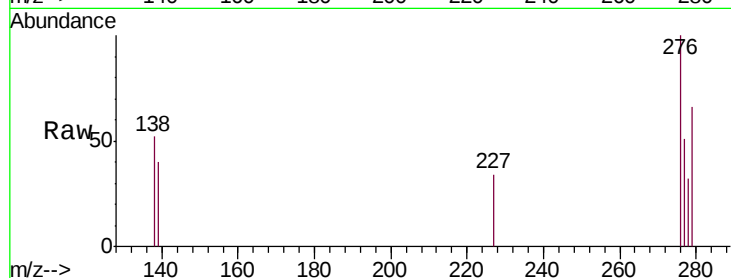
Acq: 08 Nov 2019 17:38

Instrument :

BNA_N

ClientSampleId :

F2J01DL



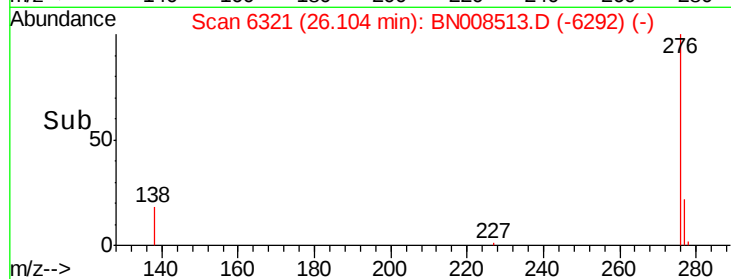
Tgt Ion:276 Resp: 472

Ion Ratio Lower Upper

276 100

138 52.3 20.1 30.1#

277 50.8 20.6 31.0#



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

