

Data File : BN008492.D
Acq On : 07 Nov 2019 19:38
Operator : JU
Sample : K5565-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLNA6

Quant Time: Nov 08 06:47:06 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 06:44:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	1483	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	6018	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3178	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5704	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	4504	0.40	ng/ul	0.00
20) Perylene-d12	23.31	264	6380	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	1772	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	3488	0.21	ng/ul	0.00

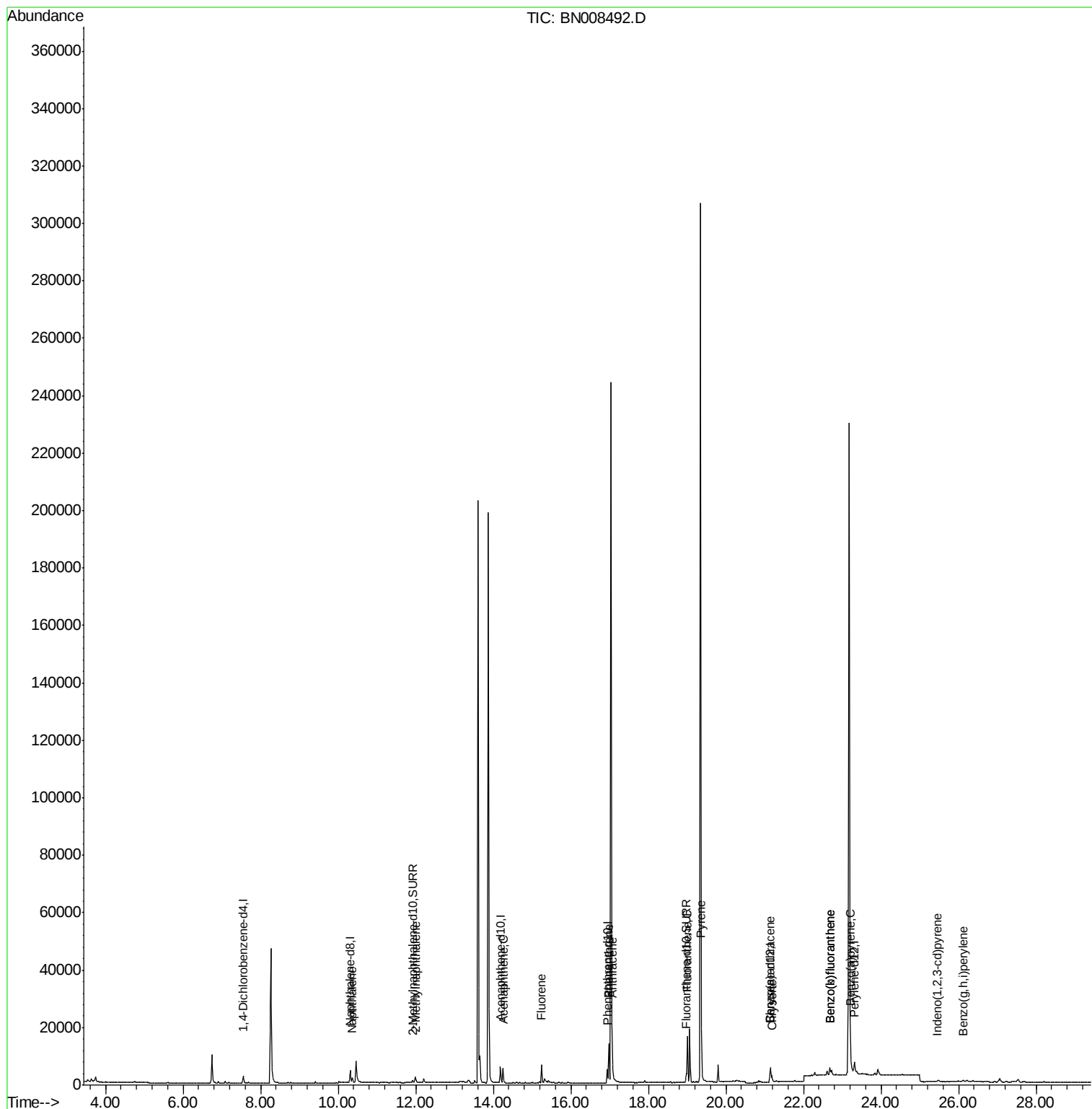
Target Compounds				Qvalue		
3) Naphthalene	10.36	128	2452	0.143	ng/ul#	95
5) 2-Methylnaphthalene	11.99	142	1940	0.170	ng/ul	99
8) Acenaphthene	14.25	153	3030	0.253	ng/ul	99
9) Fluorene	15.25	166	3902	0.297	ng/ul	99
12) Phenanthrene	16.98	178	14832	0.855	ng/ul	99
13) Anthracene	17.07	178	5168	0.340	ng/ul	96
15) Fluoranthene	19.01	202	13989	0.704	ng/ul	99
17) Pyrene	19.37	202	12148	0.552	ng/ul	98
18) Benzo(a)anthracene	21.14	228	2938	0.187	ng/ul#	88
19) Chrysene	21.19	228	2557	0.128	ng/ul#	86
21) Benzo(b)fluoranthene	22.68	252	3370	0.142	ng/ul#	1
22) Benzo(k)fluoranthene	22.68	252	3336	0.123	ng/ul#	1
23) Benzo(a)pyrene	23.22	252	1583	0.066	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	25.46	276	909	0.033	ng/ul#	90
26) Benzo(g,h,i)perylene	26.11	276	815	0.033	ng/ul#	44

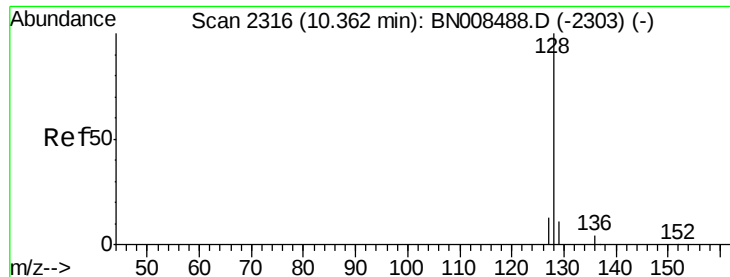
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.143 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. 0.00 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

Instrument :

BNA_N

ClientSampleId :

JLNA6

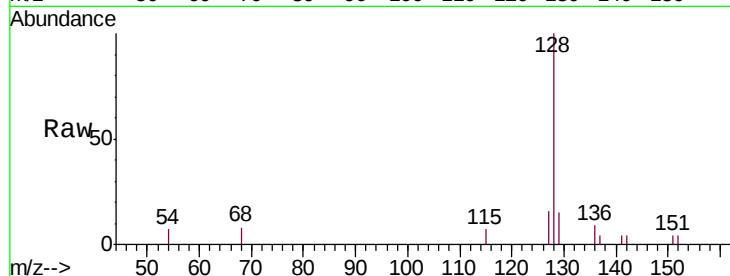
Tgt Ion:128 Resp: 2452

Ion Ratio Lower Upper

128 100

129 15.3 10.0 15.0#

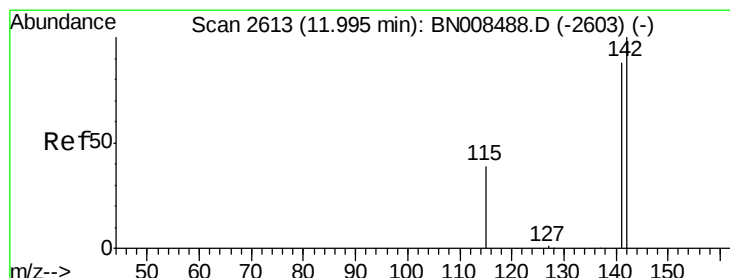
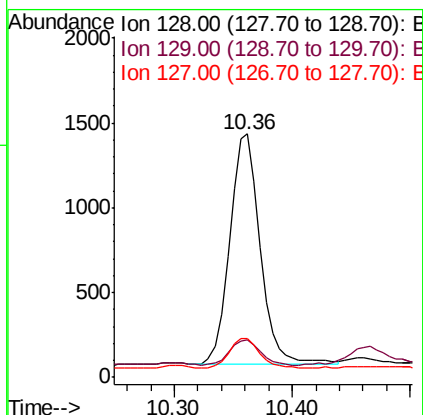
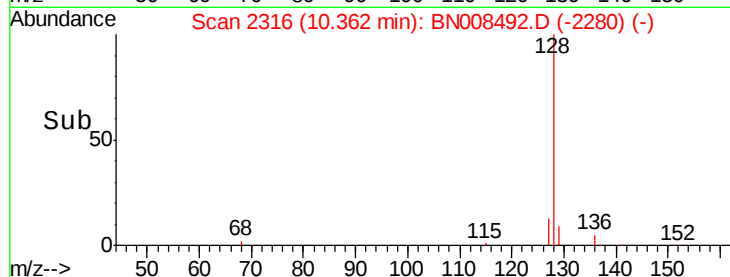
127 16.1 11.6 17.4



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: 0.170 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BN008492.D

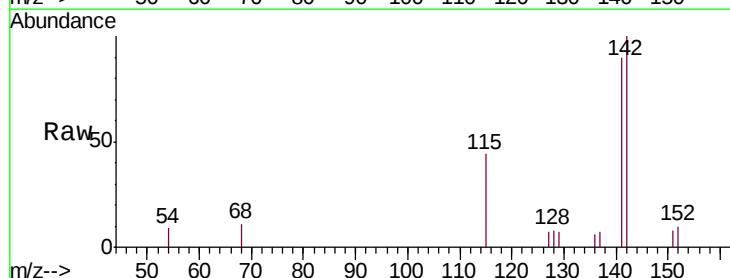
Acq: 07 Nov 2019 19:38

Tgt Ion:142 Resp: 1940

Ion Ratio Lower Upper

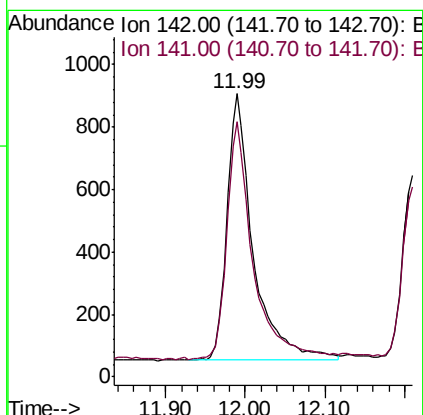
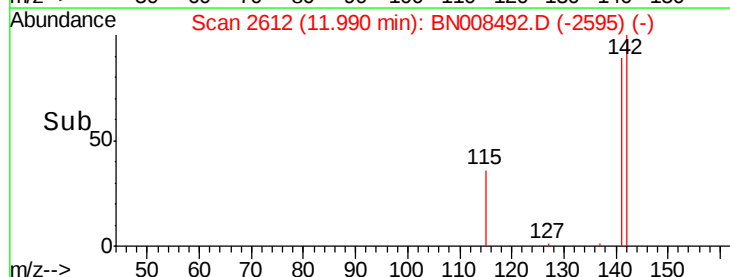
142 100

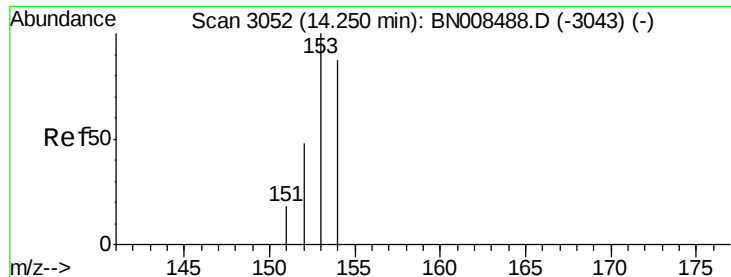
141 89.6 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.253 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

Instrument :

BNA_N

ClientSampleId :

JLNA6

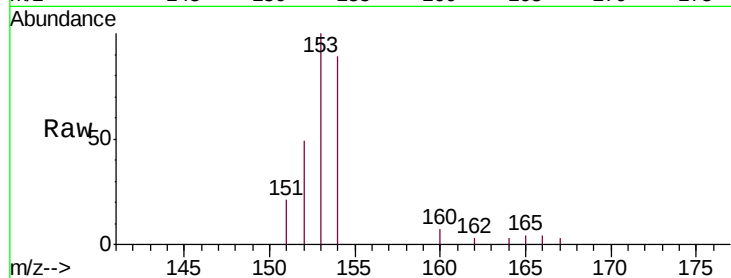
Tgt Ion:153 Resp: 3030

Ion Ratio Lower Upper

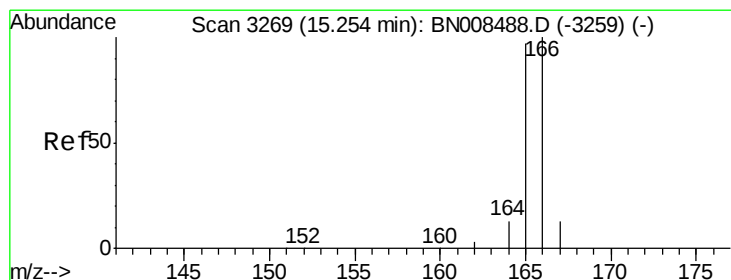
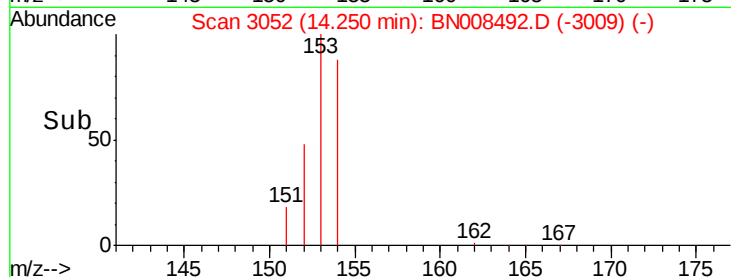
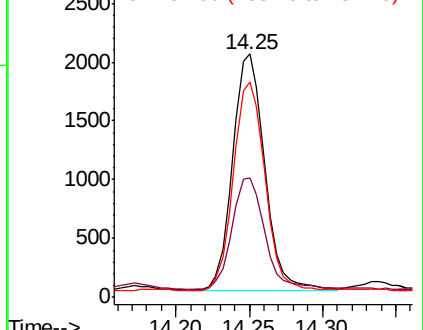
153 100

152 49.3 39.8 59.8

154 88.6 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



#9

Fluorene

Concen: 0.297 ng/ul

RT: 15.25 min Scan# 3267

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

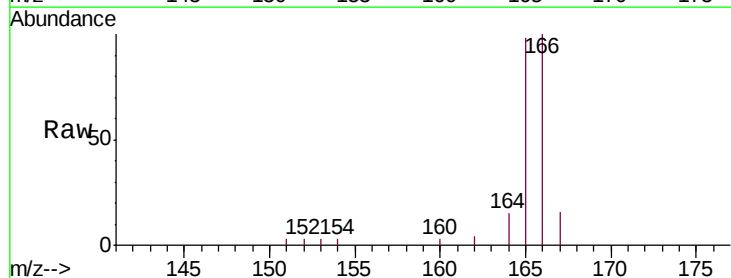
Tgt Ion:166 Resp: 3902

Ion Ratio Lower Upper

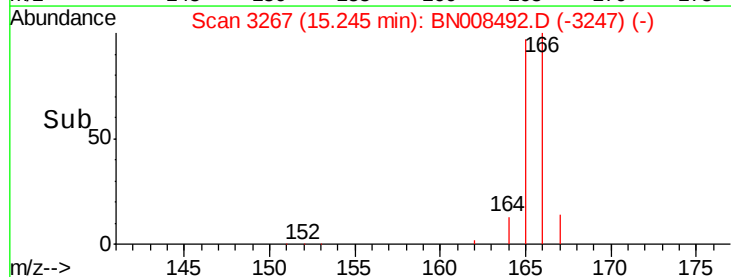
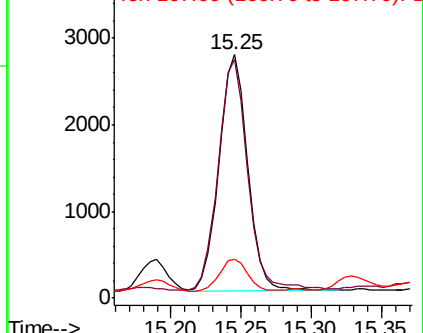
166 100

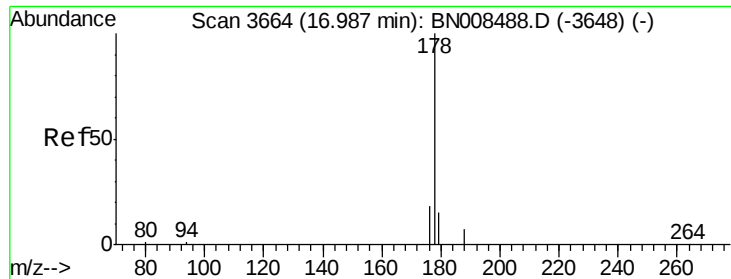
165 98.0 78.2 117.2

167 16.2 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





#12

Phenanthrene

Concen: 0.855 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

Instrument :

BNA_N

ClientSampleId :

JLNA6

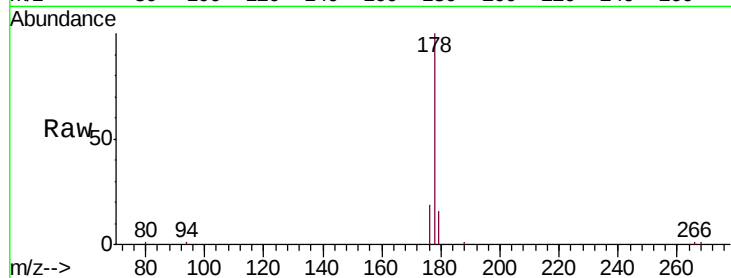
Tgt Ion:178 Resp: 14832

Ion Ratio Lower Upper

178 100

179 16.2 13.2 19.8

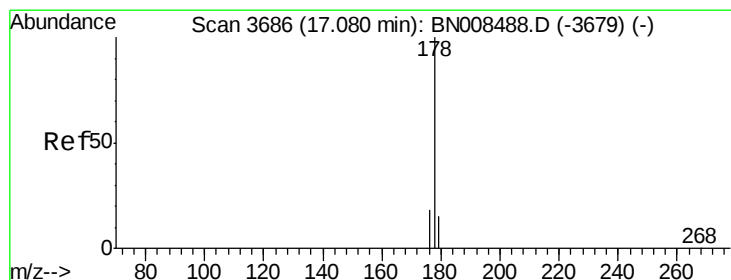
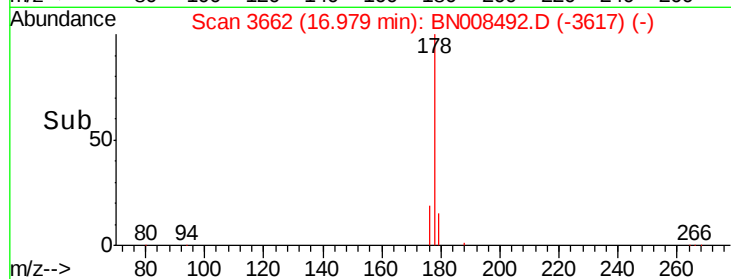
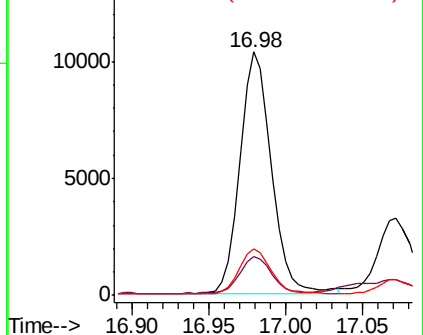
176 19.3 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.340 ng/ul

RT: 17.07 min Scan# 3684

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

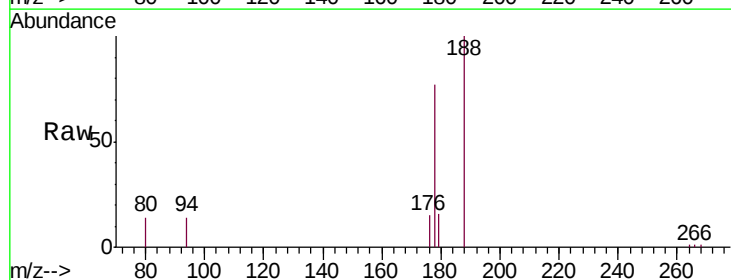
Tgt Ion:178 Resp: 5168

Ion Ratio Lower Upper

178 100

179 20.3 13.7 20.5

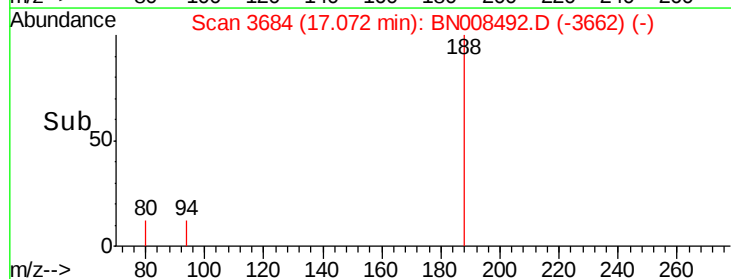
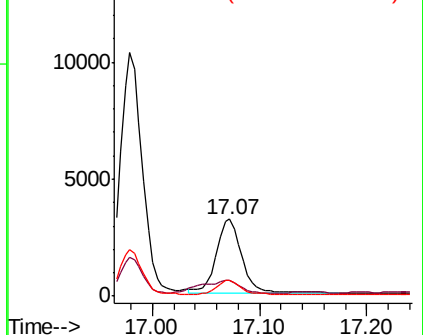
176 19.7 15.7 23.5

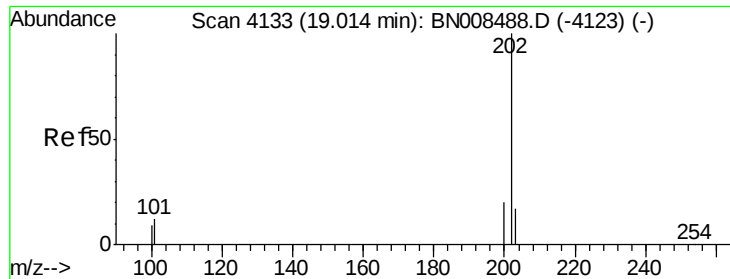


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.704 ng/ul

RT: 19.01 min Scan# 4132

Delta R.T. -0.00 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

Instrument :

BNA_N

ClientSampleId :

JLNA6

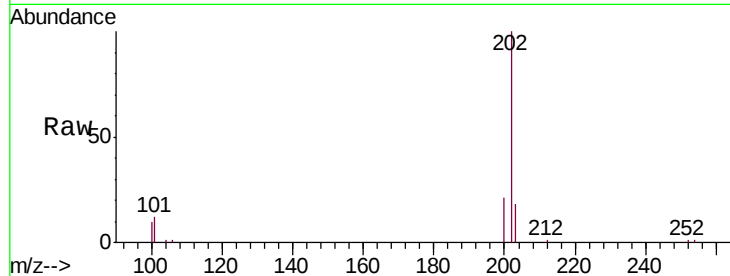
Tgt Ion:202 Resp: 13989

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.0

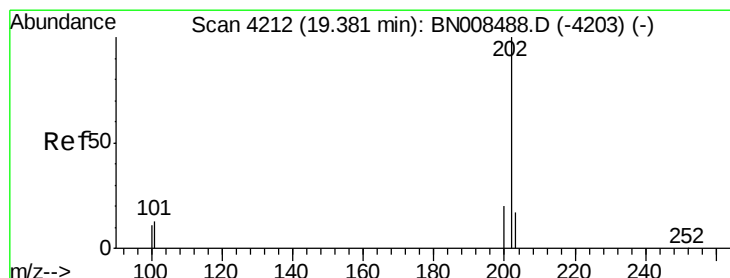
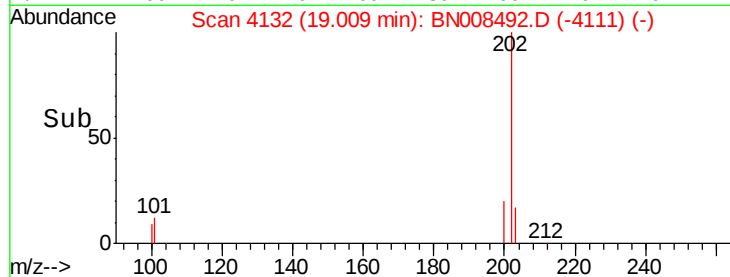
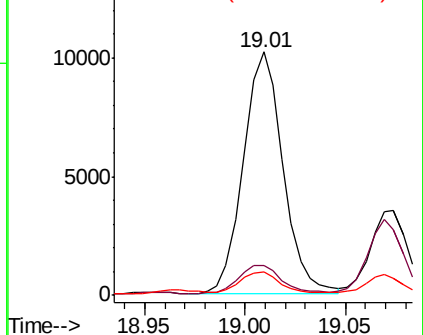
100 9.6 0.0 30.2



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



#17

Pyrene

Concen: 0.552 ng/ul

RT: 19.37 min Scan# 4210

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

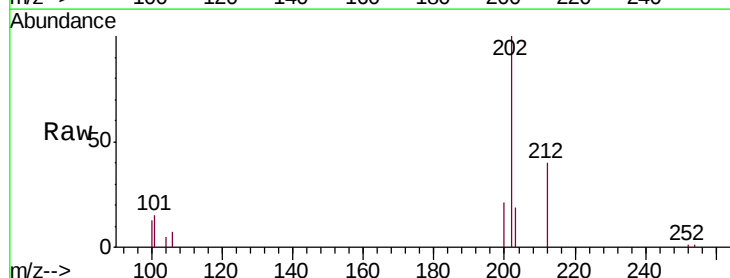
Tgt Ion:202 Resp: 12148

Ion Ratio Lower Upper

202 100

101 15.4 11.6 17.4

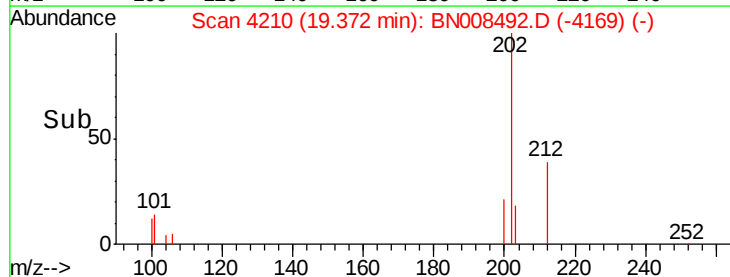
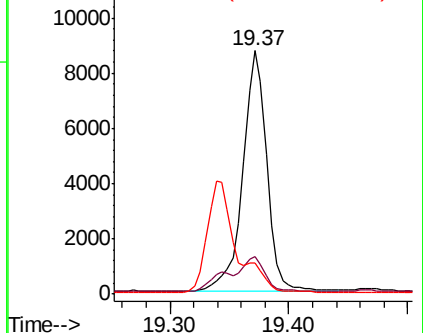
100 12.6 9.4 14.0

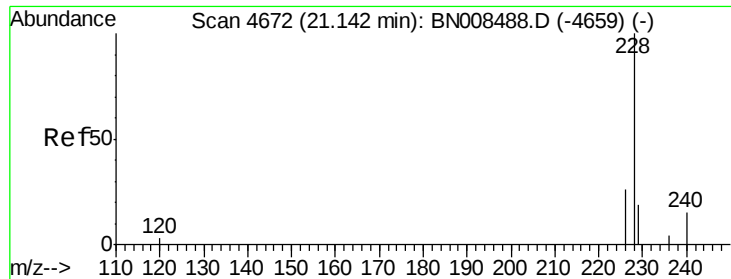


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.187 ng/ul

RT: 21.14 min Scan# 4670

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

Instrument :

BNA_N

ClientSampleId :

JLNA6

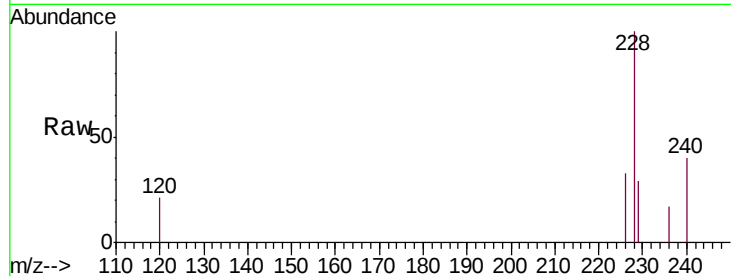
Tgt Ion:228 Resp: 2938

Ion Ratio Lower Upper

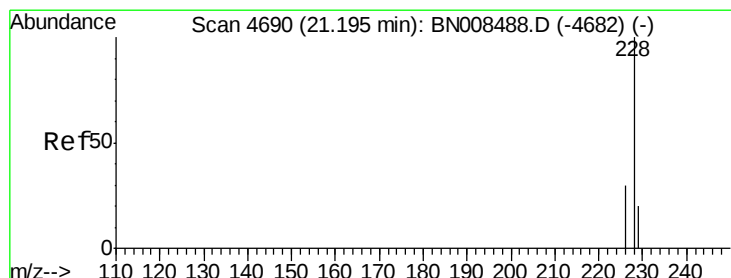
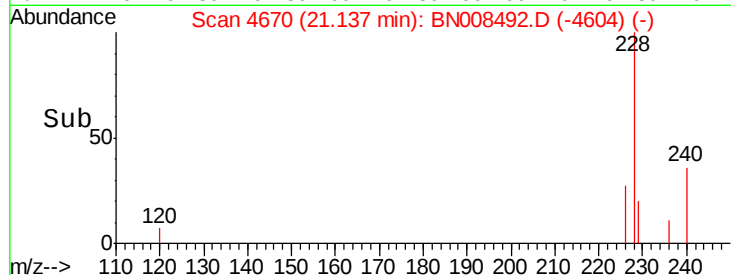
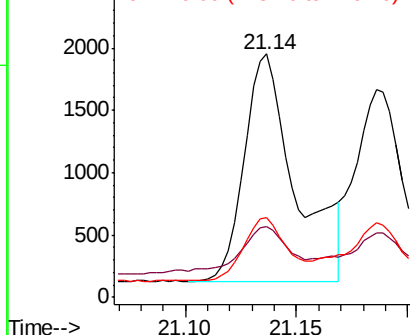
228 100

229 29.1 16.6 24.8#

226 32.6 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: 0.128 ng/ul

RT: 21.19 min Scan# 4687

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

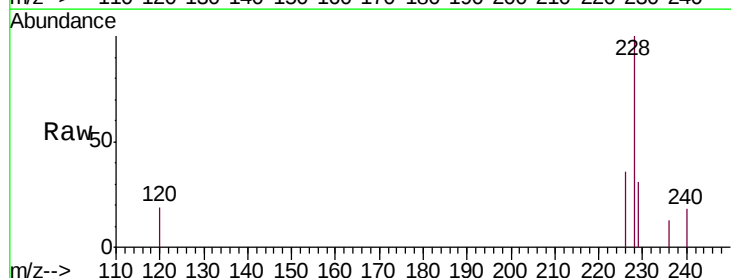
Tgt Ion:228 Resp: 2557

Ion Ratio Lower Upper

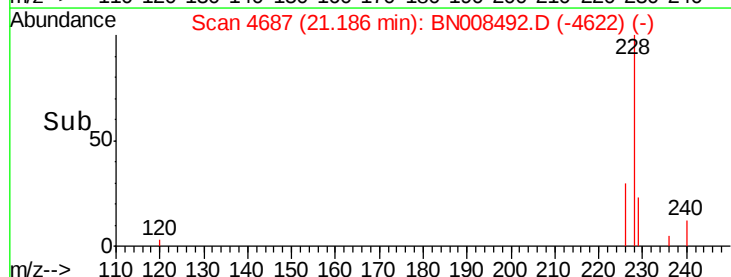
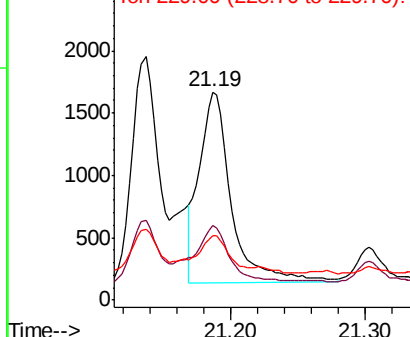
228 100

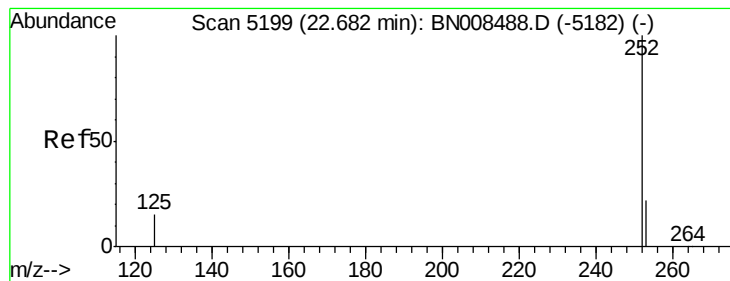
226 35.6 24.9 37.3

229 30.9 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: 0.142 ng/u1

RT: 22.68 min Scan# 5197

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

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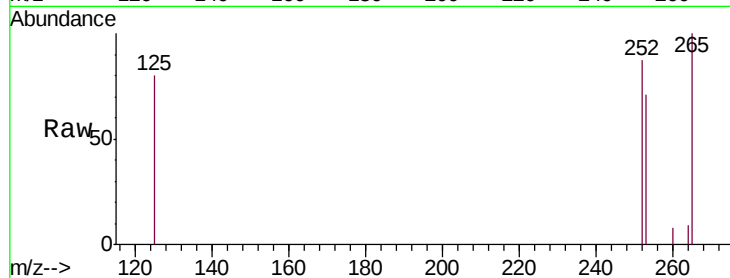
Tgt Ion:252 Resp: 3370

Ion Ratio Lower Upper

252 100

253 82.4 0.0 58.4#

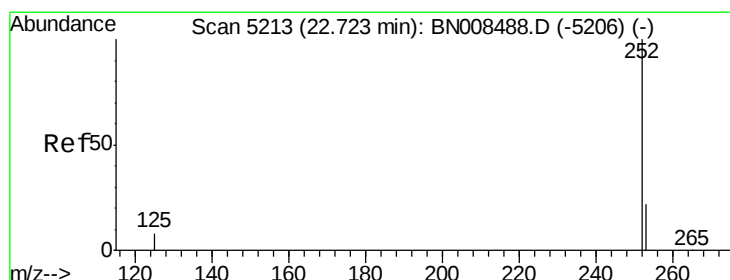
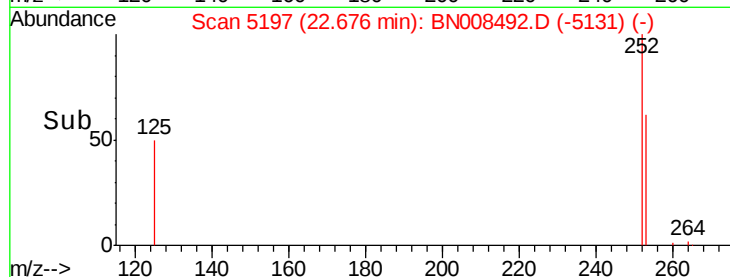
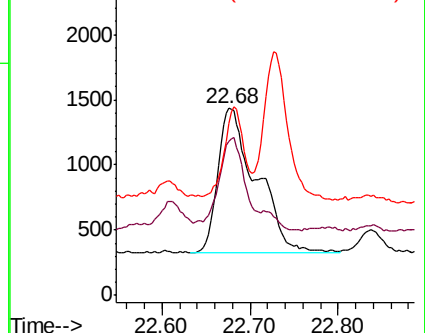
125 91.7 0.0 58.6#



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: 0.123 ng/u1

RT: 22.68 min Scan# 5197

Delta R.T. -0.05 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

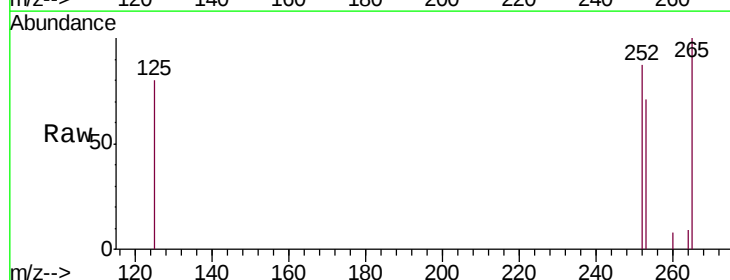
Tgt Ion:252 Resp: 3336

Ion Ratio Lower Upper

252 100

253 82.4 22.6 34.0#

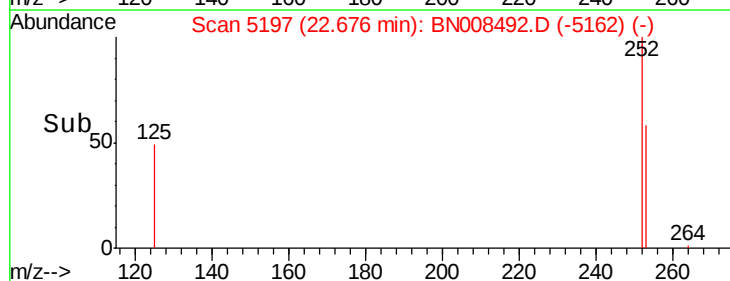
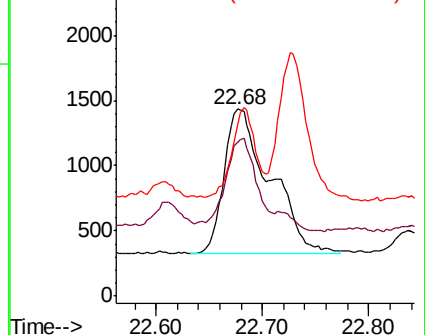
125 91.7 14.7 22.1#

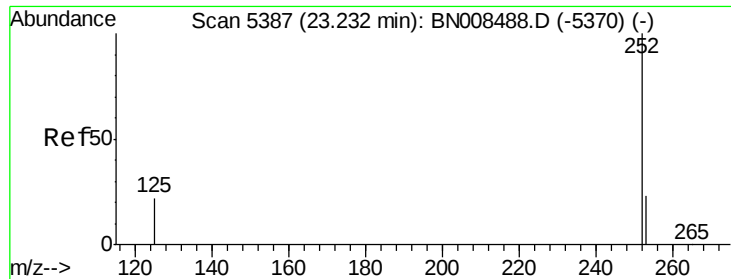


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.066 ng/u1

RT: 23.22 min Scan# 5383

Delta R.T. -0.01 min

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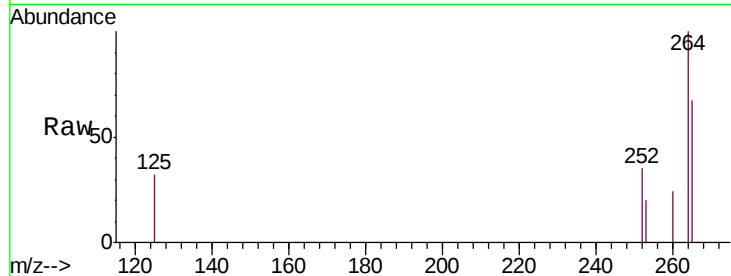
Tgt Ion:252 Resp: 1583

Ion Ratio Lower Upper

252 100

253 57.7 27.2 40.8#

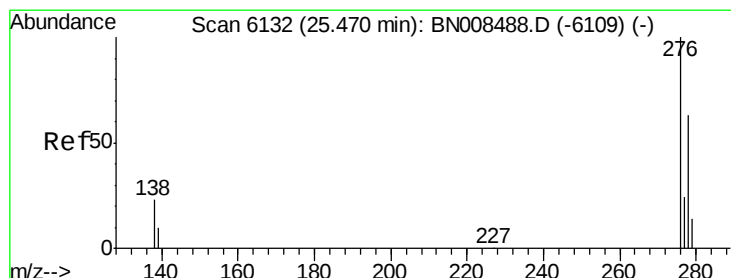
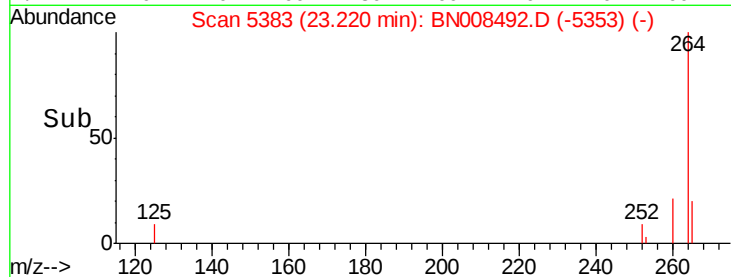
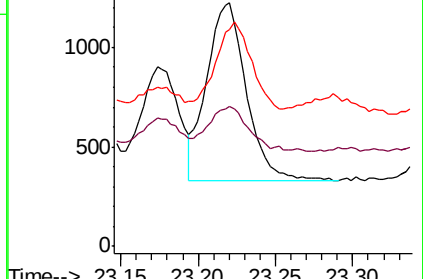
125 89.0 37.0 55.6#



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: 0.033 ng/u1

RT: 25.46 min Scan# 6130

Delta R.T. -0.01 min

Lab File: BN008492.D

Acq: 07 Nov 2019 19:38

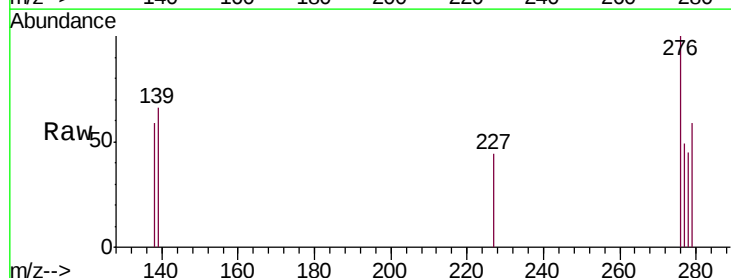
Tgt Ion:276 Resp: 909

Ion Ratio Lower Upper

276 100

138 17.9 18.3 27.5#

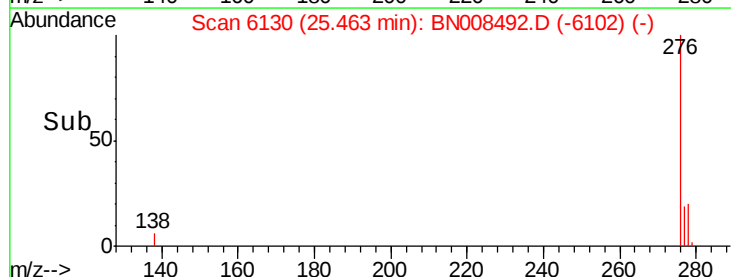
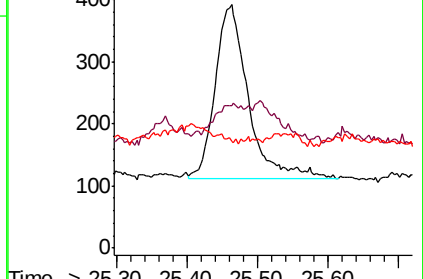
227 0.0 0.0 0.0

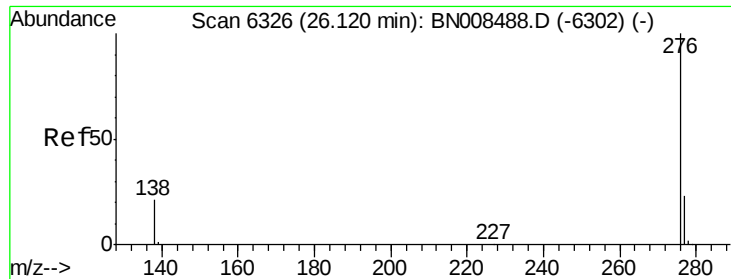


Abundance Ion 276.00 (275.70 to 276.70): E

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: 0.033 ng/u1

RT: 26.11 min Scan# 6323

Delta R.T. -0.01 min

Lab File: BN008492.D

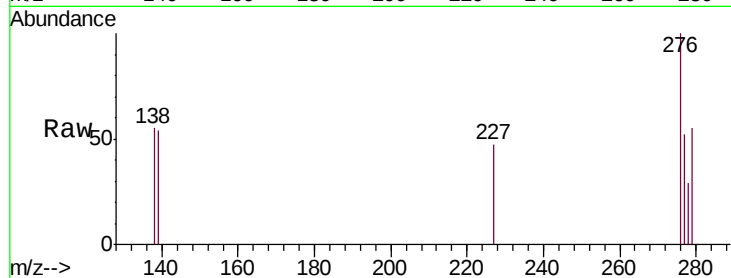
Acq: 07 Nov 2019 19:38

Instrument :

BNA_N

ClientSampleId :

JLNA6



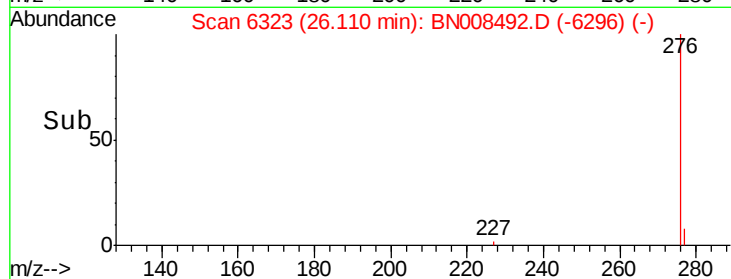
Tgt Ion: 276 Resp: 815

Ion Ratio Lower Upper

276 100

138 55.0 20.1 30.1#

277 52.3 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

