

Data File : BN008613.D
Acq On : 18 Nov 2019 20:43
Operator : JU
Sample : K5678-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM98

Quant Time: Nov 19 01:51:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 19 01:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2930	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	10586	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	6494	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	12641	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	9937	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	10366	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3517	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	7553	0.20	ng/ul	0.00

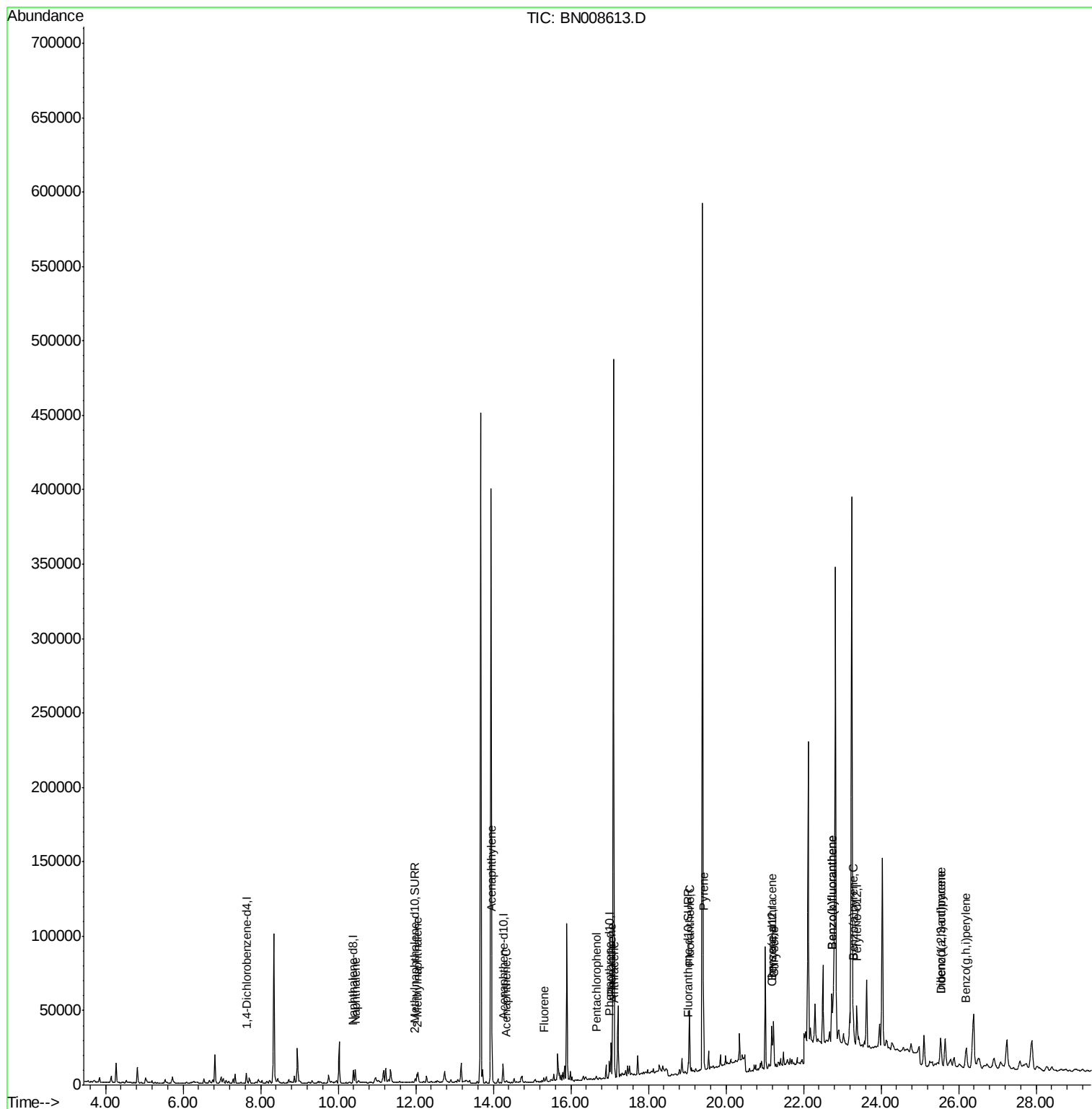
Target Compounds					Qvalue	
3) Naphthalene	10.44	128	12146	0.381	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	4623	0.207	ng/ul	99
7) Acenaphthylene	13.97	152	4491	0.125	ng/ul#	91
8) Acenaphthene	14.32	153	838	0.031	ng/ul#	88
9) Fluorene	15.31	166	1466	0.047	ng/ul#	82
11) Pentachlorophenol	16.66	266	1422	0.297	ng/ul	98
12) Phenanthrene	17.04	178	23758	0.557	ng/ul#	94
13) Anthracene	17.13	178	4588	0.114	ng/ul#	60
15) Fluoranthene	19.06	202	36019	0.688	ng/ul	96
17) Pyrene	19.42	202	46419	1.164	ng/ul	98
18) Benzo(a)anthracene	21.18	228	21612	0.541	ng/ul#	79
19) Chrysene	21.23	228	33203	0.846	ng/ul#	88
21) Benzo(b)fluoranthene	22.73	252	67377	1.576	ng/ul#	29
22) Benzo(k)fluoranthene	22.73	252	67377	1.589	ng/ul#	31
23) Benzo(a)pyrene	23.28	252	32895	0.820	ng/ul#	40
24) Indeno(1,2,3-cd)pyrene	25.54	276	24472	0.522	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.54	278	6203	0.164	ng/ul#	1
26) Benzo(g,h,i)perylene	26.19	276	25213	0.642	ng/ul#	63

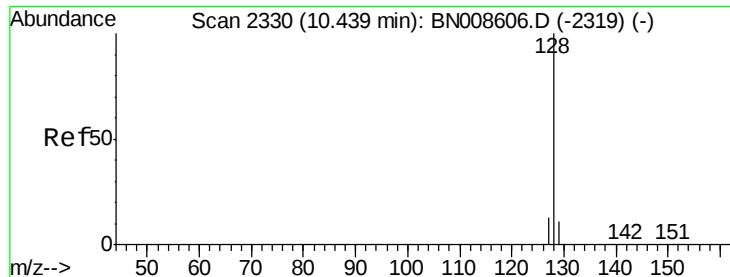
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.381 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

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Instrument :

BNA_N

ClientSampleId :

JLM98

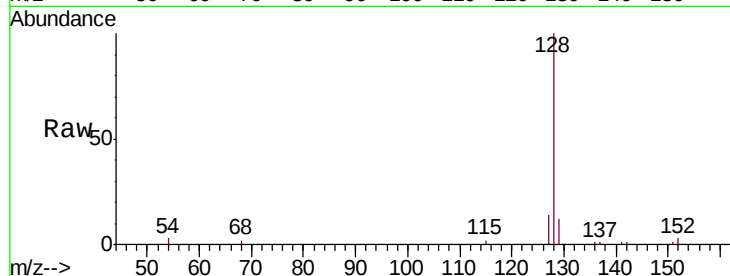
Tgt Ion:128 Resp: 12146

Ion Ratio Lower Upper

128 100

129 12.2 9.7 14.5

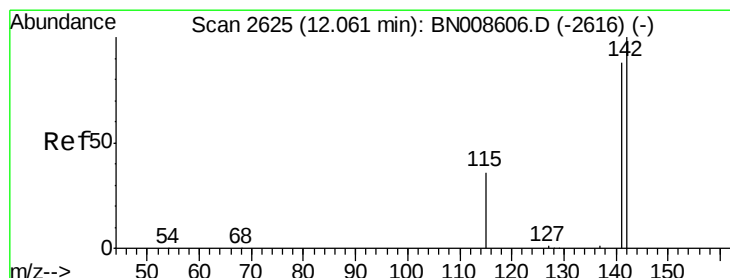
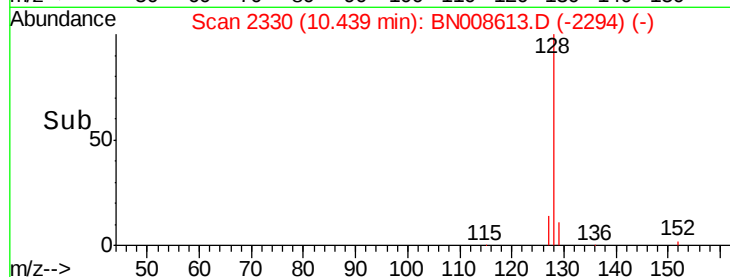
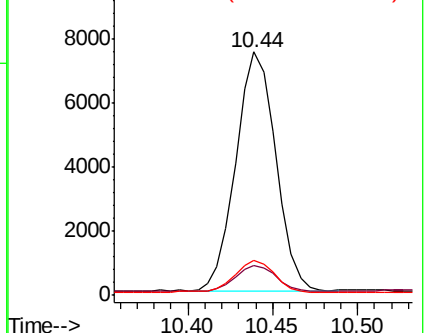
127 14.4 10.8 16.2



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: 0.207 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN008613.D

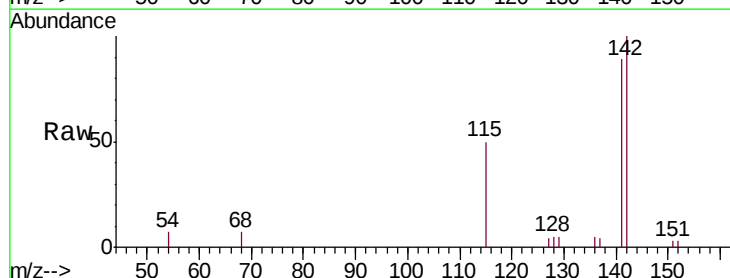
Acq: 18 Nov 2019 20:43

Tgt Ion:142 Resp: 4623

Ion Ratio Lower Upper

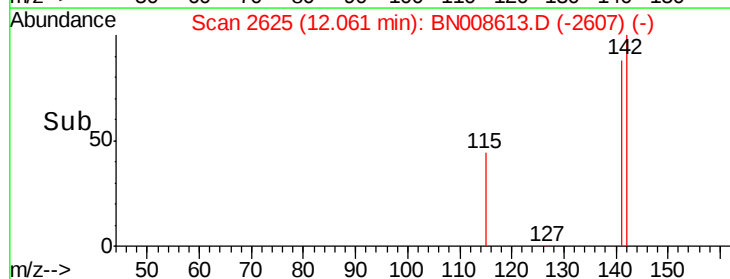
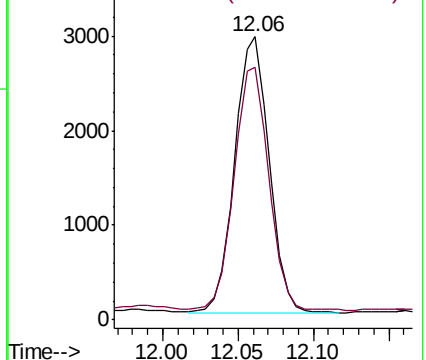
142 100

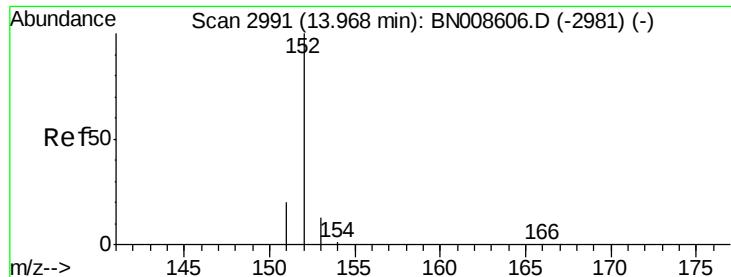
141 89.0 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.125 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

Instrument :

BNA_N

ClientSampleId :

JLM98

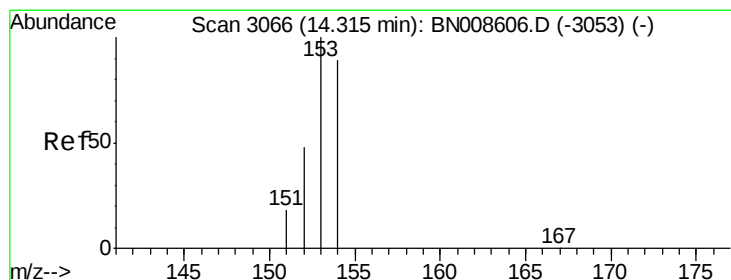
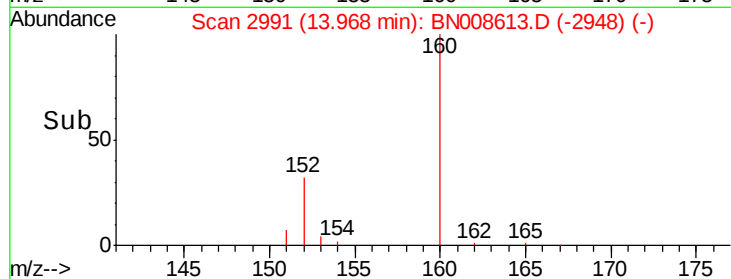
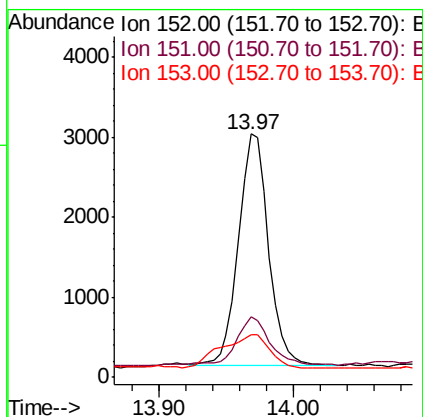
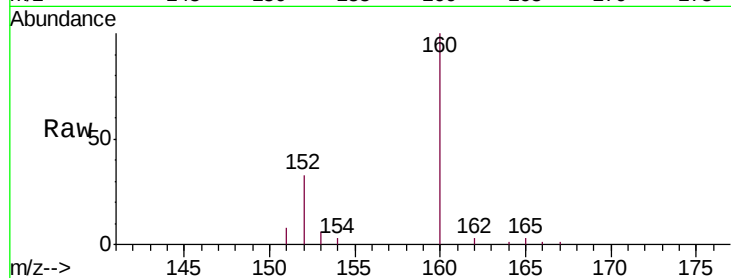
Tgt Ion:152 Resp: 4491

Ion Ratio Lower Upper

152 100

151 24.8 16.6 24.8

153 17.3 11.1 16.7#



#8

Acenaphthene

Concen: 0.031 ng/ul

RT: 14.32 min Scan# 3066

Delta R.T. -0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

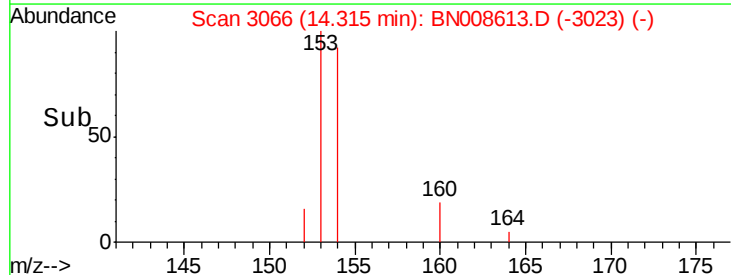
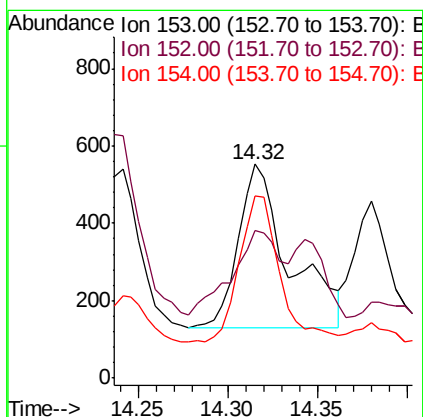
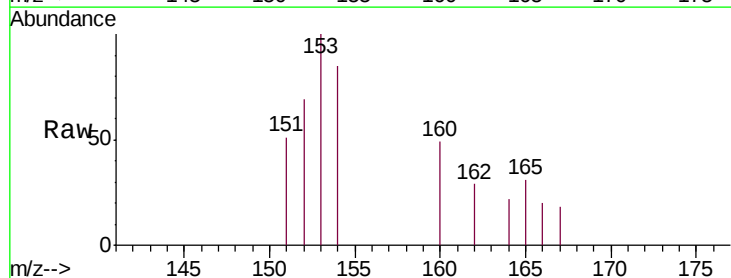
Tgt Ion:153 Resp: 838

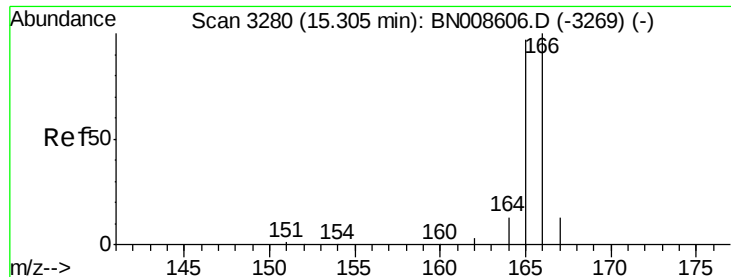
Ion Ratio Lower Upper

153 100

152 68.8 39.6 59.4#

154 85.3 70.6 106.0





#9

Fluorene

Concen: 0.047 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

Instrument :

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ClientSampleId :

JLM98

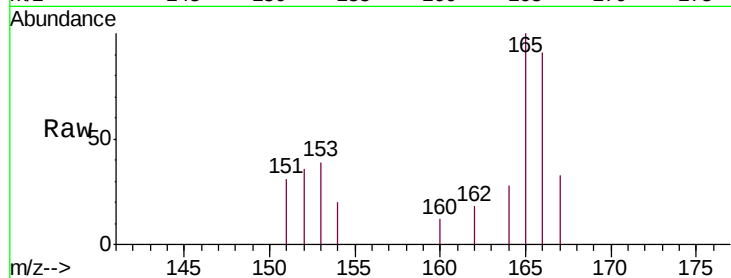
Tgt Ion:166 Resp: 1466

Ion Ratio Lower Upper

166 100

165 109.8 77.4 116.0

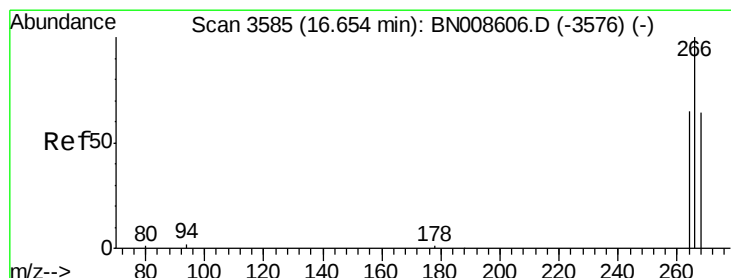
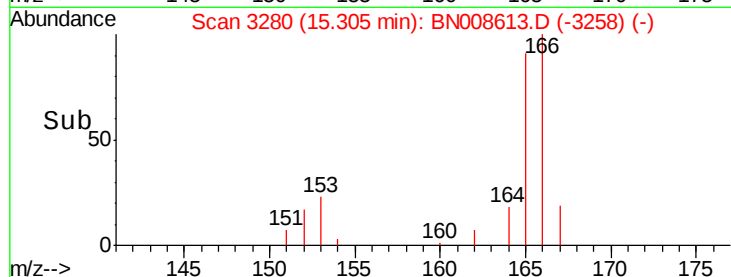
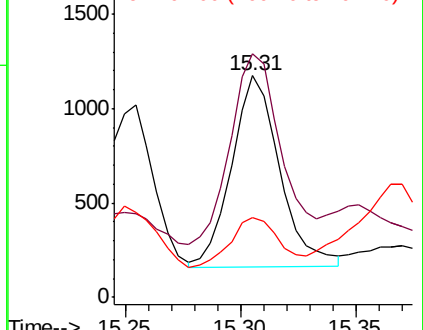
167 36.0 11.4 17.0#



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



#11

Pentachlorophenol

Concen: 0.297 ng/ul

RT: 16.66 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

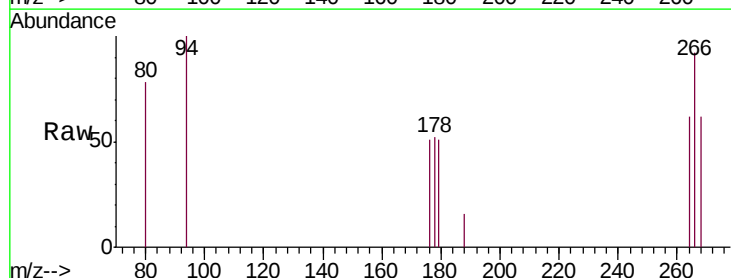
Tgt Ion:266 Resp: 1422

Ion Ratio Lower Upper

266 100

264 61.9 49.2 73.8

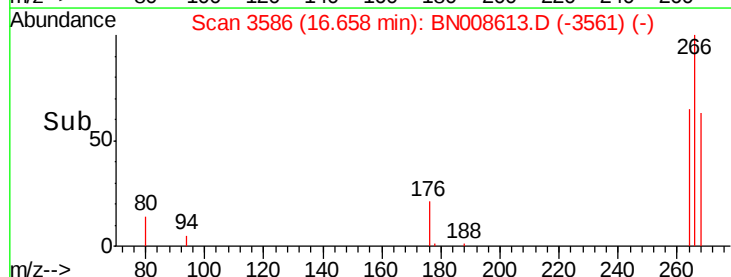
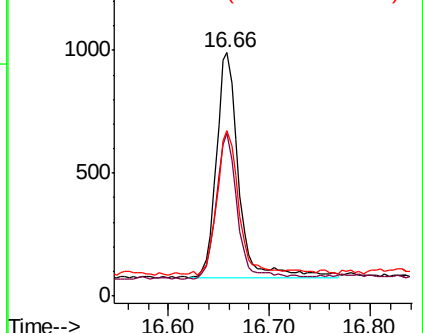
268 61.5 50.9 76.3

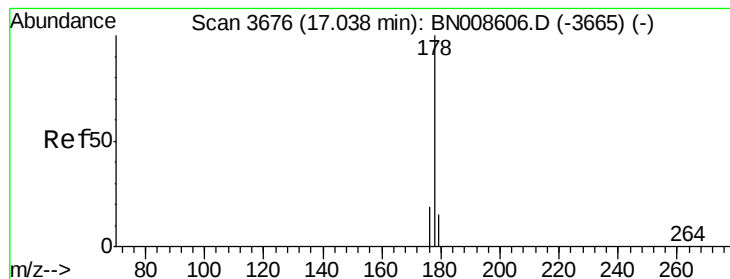


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.557 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

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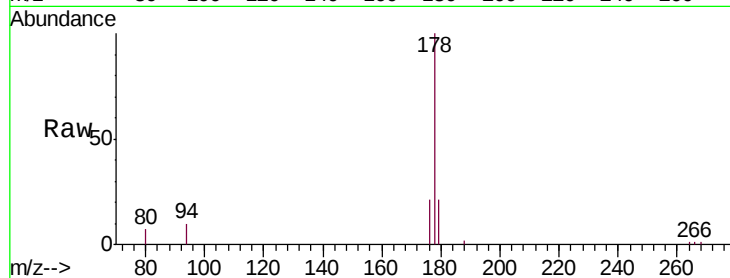
Tgt Ion:178 Resp: 23758

Ion Ratio Lower Upper

178 100

179 20.8 12.8 19.2#

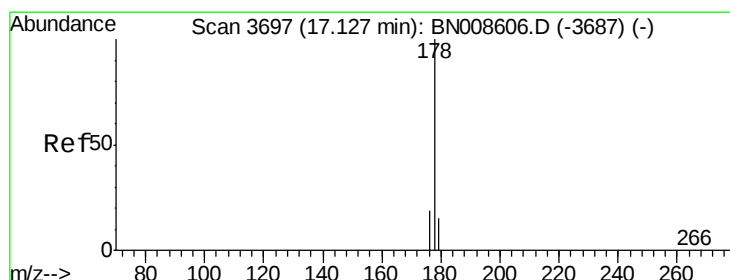
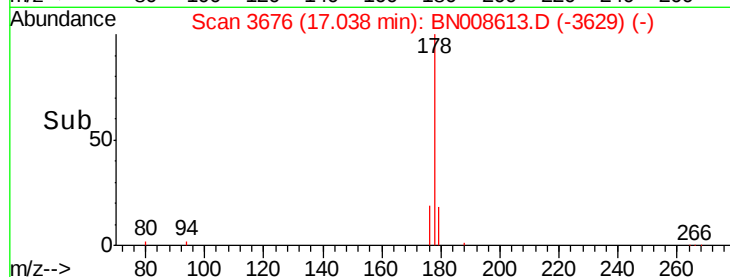
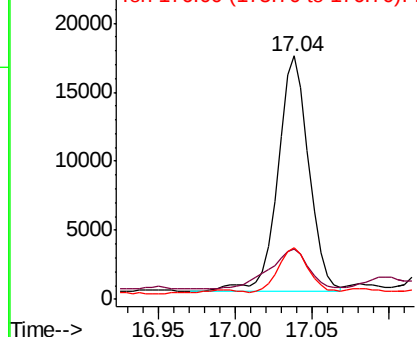
176 21.1 16.0 24.0



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: 0.114 ng/ul

RT: 17.13 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

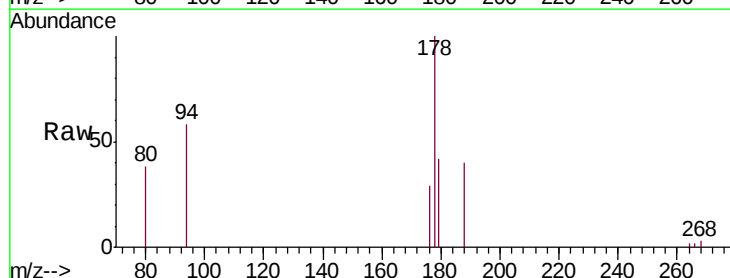
Tgt Ion:178 Resp: 4588

Ion Ratio Lower Upper

178 100

179 41.7 13.0 19.4#

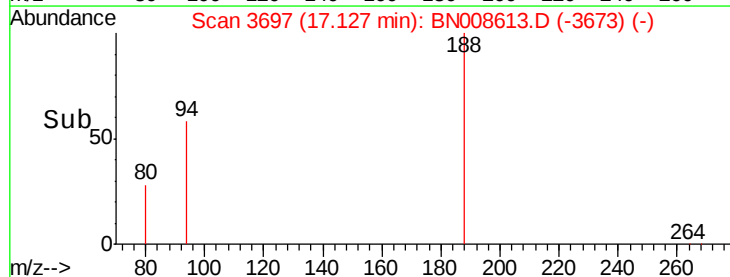
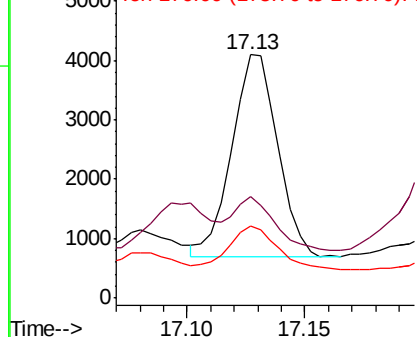
176 29.5 15.3 22.9#

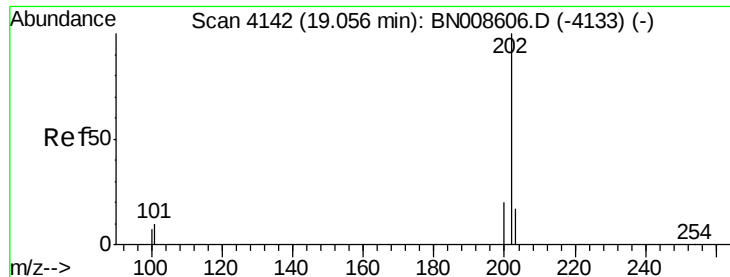


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.688 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008613.D

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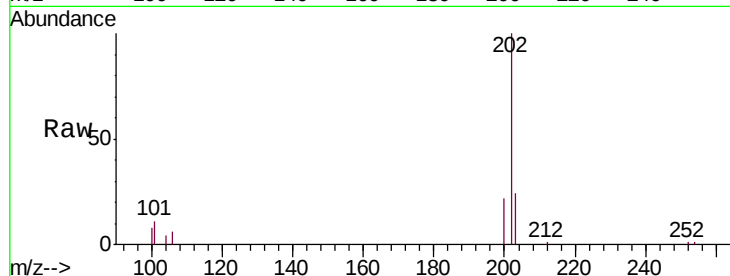
Tgt Ion:202 Resp: 36019

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.6

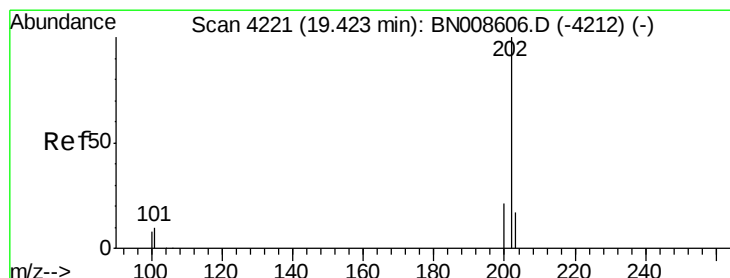
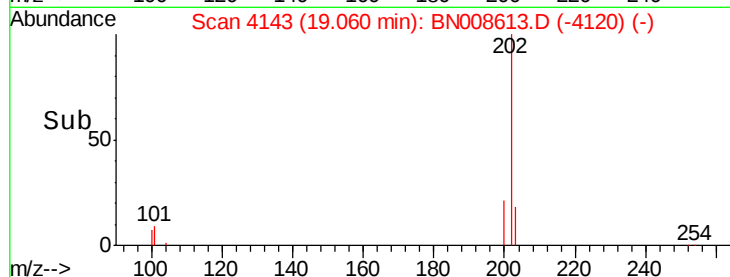
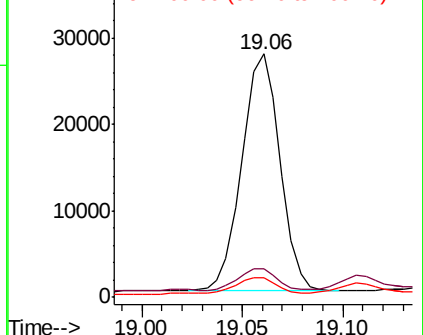
100 8.0 0.0 27.0



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



#17

Pyrene

Concen: 1.164 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. -0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

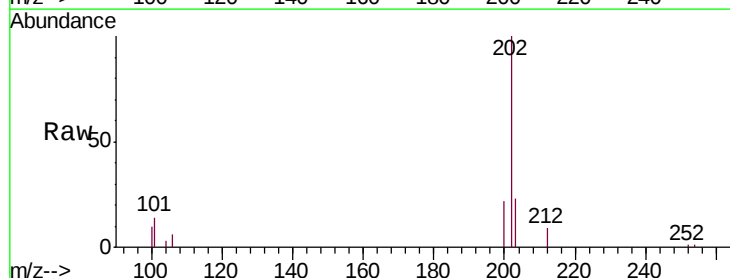
Tgt Ion:202 Resp: 46419

Ion Ratio Lower Upper

202 100

101 13.7 10.2 15.2

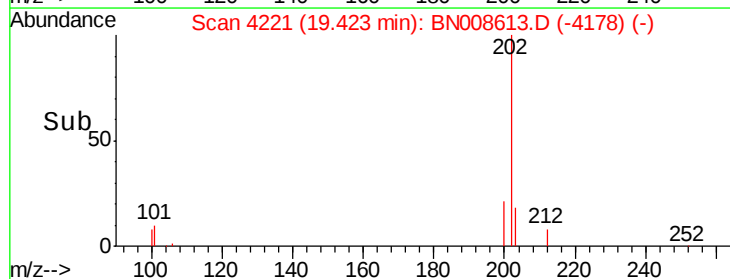
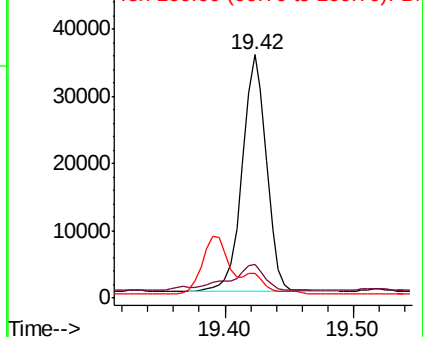
100 9.9 8.2 12.2

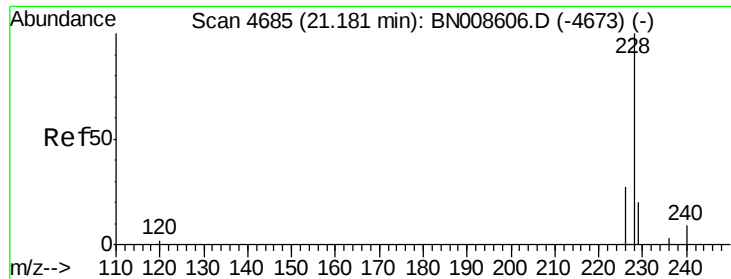


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.541 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.00 min

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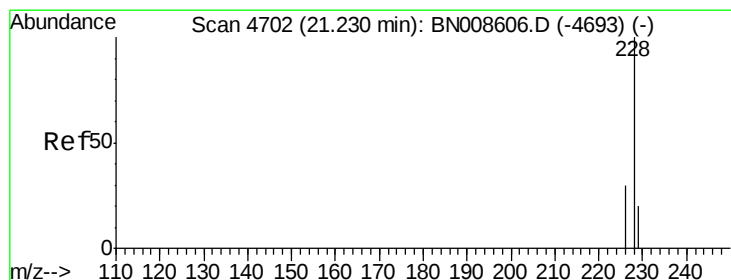
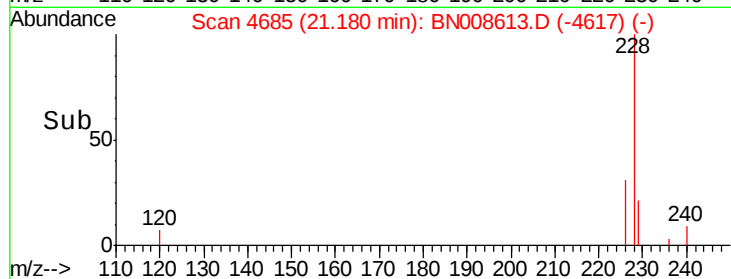
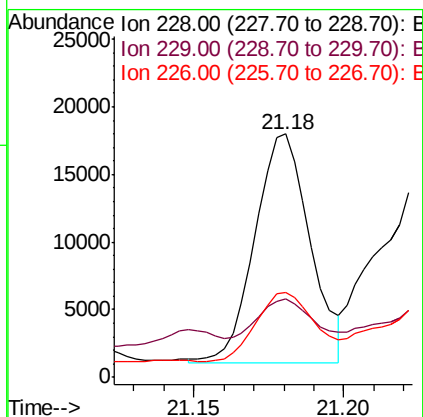
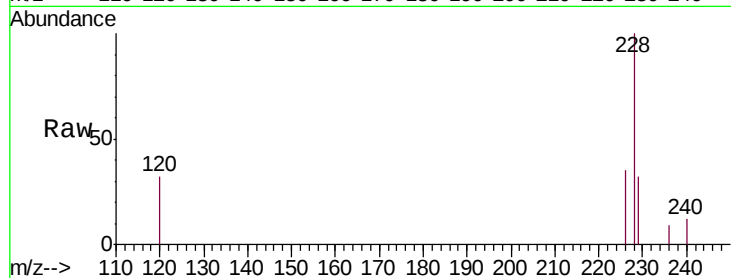
Tgt Ion:228 Resp: 21612

Ion Ratio Lower Upper

228 100

229 32.4 15.8 23.6#

226 35.1 21.6 32.4#



#19

Chrysene

Concen: 0.846 ng/ul

RT: 21.23 min Scan# 4703

Delta R.T. 0.00 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

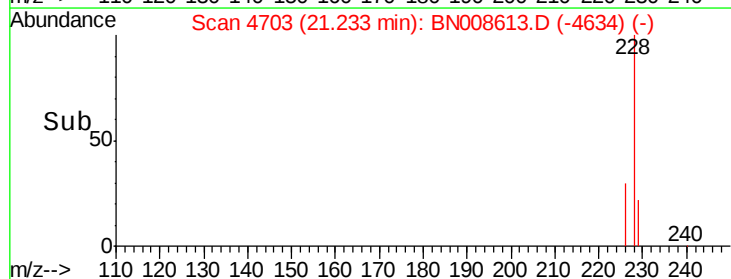
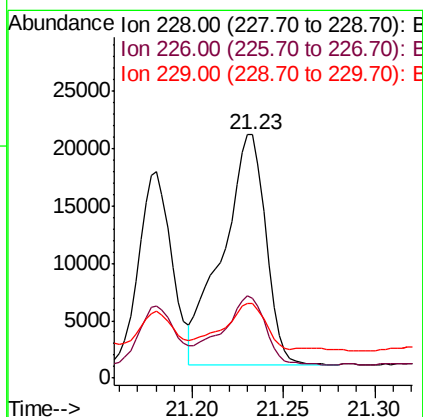
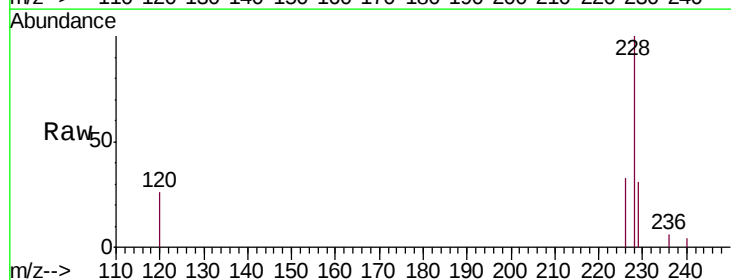
Tgt Ion:228 Resp: 33203

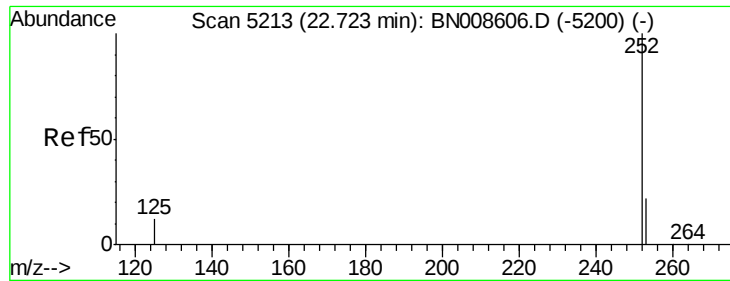
Ion Ratio Lower Upper

228 100

226 32.9 24.5 36.7

229 30.9 15.5 23.3#





#21

Benzo(b)fluoranthene

Concen: 1.576 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. 0.01 min

Lab File: BN008613.D

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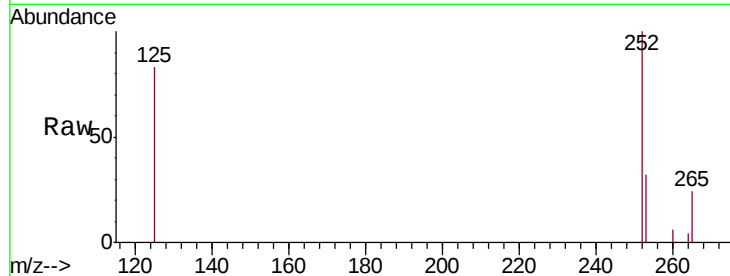
Tgt Ion:252 Resp: 67377

Ion Ratio Lower Upper

252 100

253 32.5 0.0 50.2

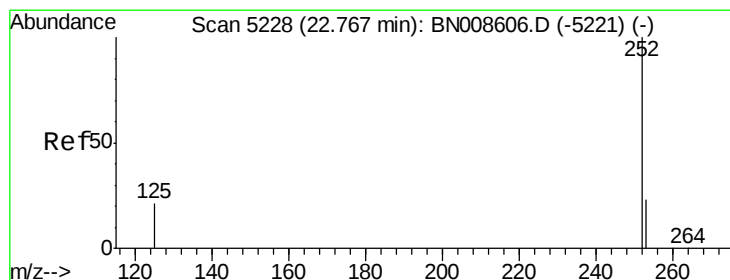
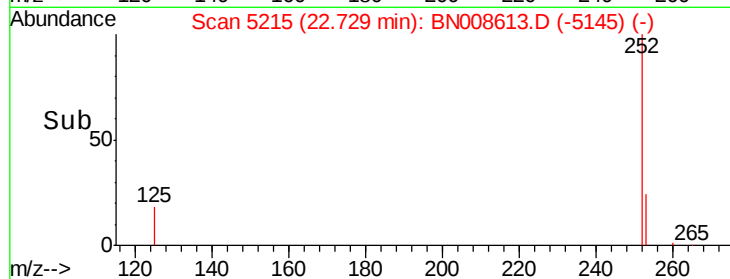
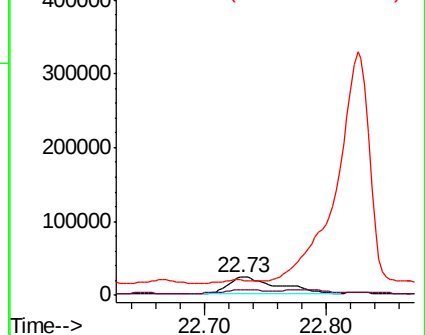
125 83.4 0.0 30.0#



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: 1.589 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. -0.04 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

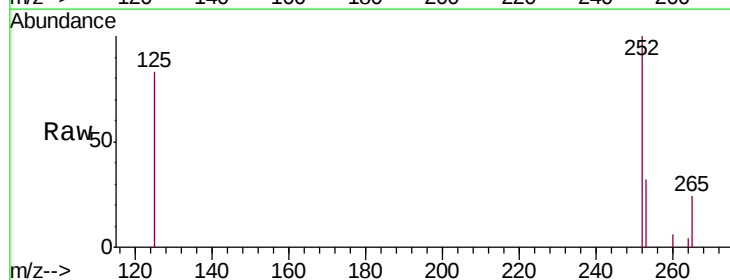
Tgt Ion:252 Resp: 67377

Ion Ratio Lower Upper

252 100

253 32.5 20.5 30.7#

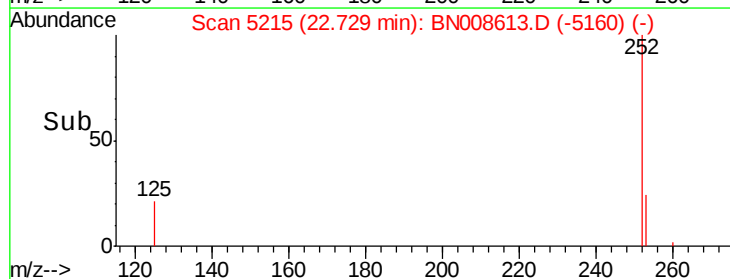
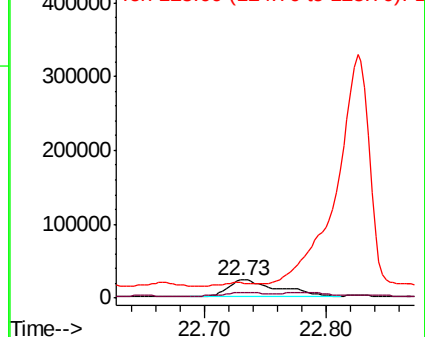
125 83.4 15.0 22.4#

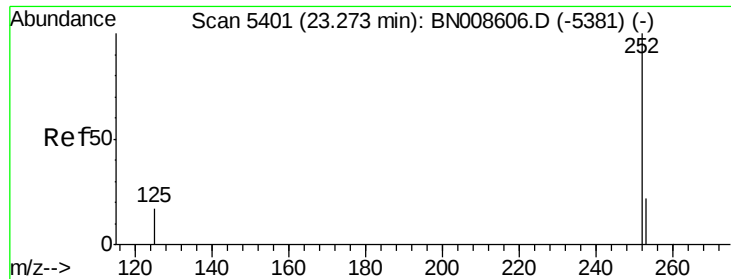


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.820 ng/ul

RT: 23.28 min Scan# 5404

Delta R.T. 0.01 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

Instrument :

BNA_N

ClientSampleId :

JLM98

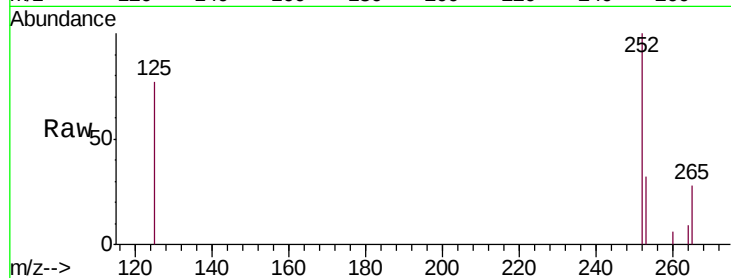
Tgt Ion:252 Resp: 32895

Ion Ratio Lower Upper

252 100

253 31.6 21.4 32.2

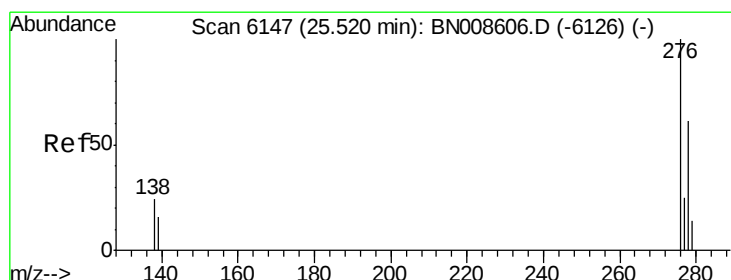
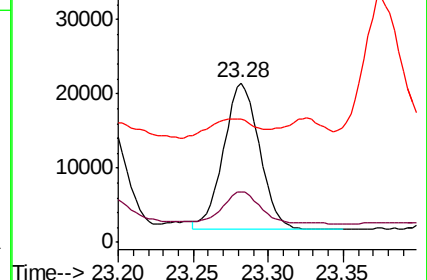
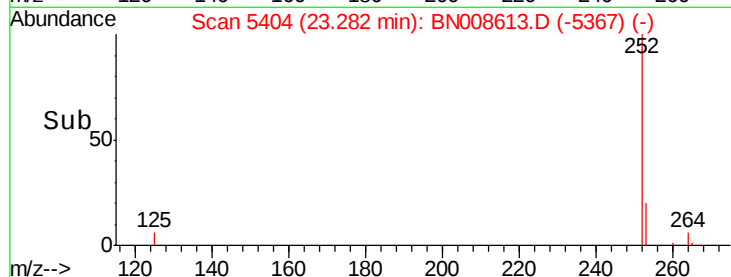
125 77.3 13.8 20.8#



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: 0.522 ng/ul

RT: 25.54 min Scan# 6152

Delta R.T. 0.02 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

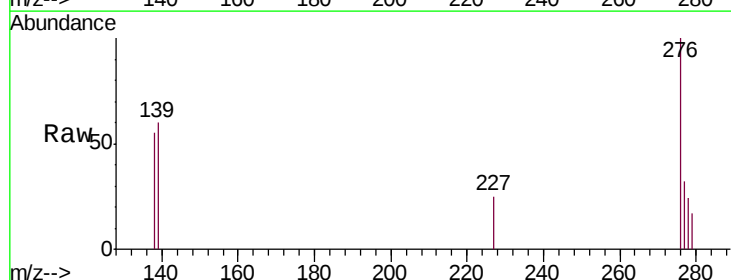
Tgt Ion:276 Resp: 24472

Ion Ratio Lower Upper

276 100

138 31.1 21.7 32.5

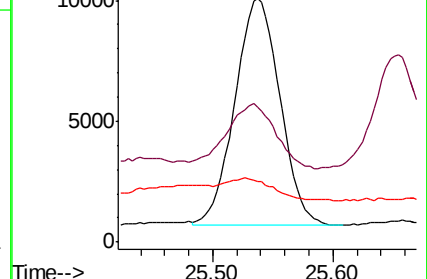
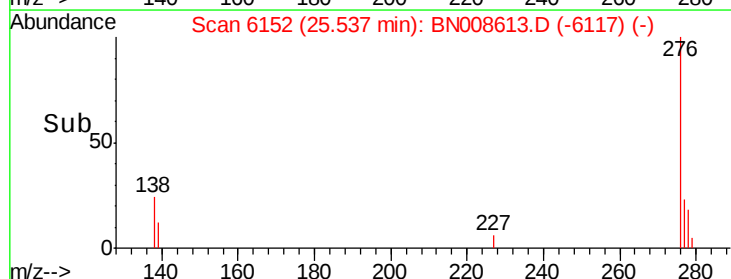
227 0.0 0.2 0.2#

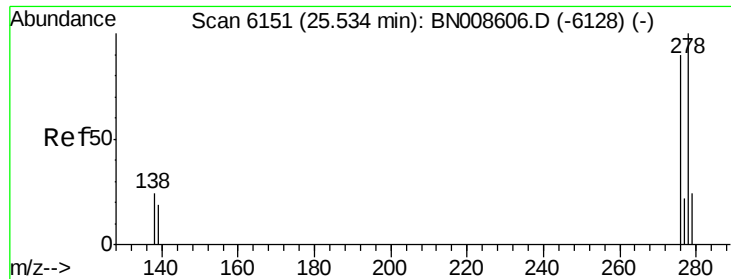


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.164 ng/ul

RT: 25.54 min Scan# 6154

Delta R.T. 0.01 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

Instrument :

BNA_N

ClientSampleId :

JLM98

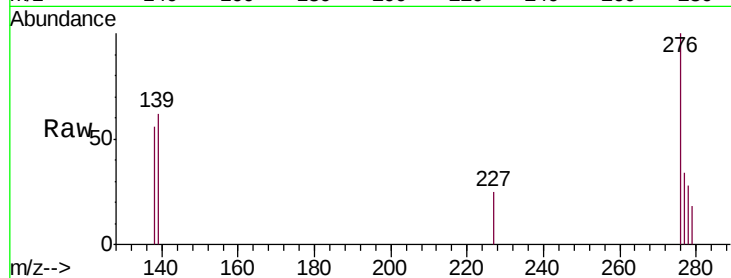
Tgt Ion:278 Resp: 6203

Ion Ratio Lower Upper

278 100

139 224.8 18.7 28.1#

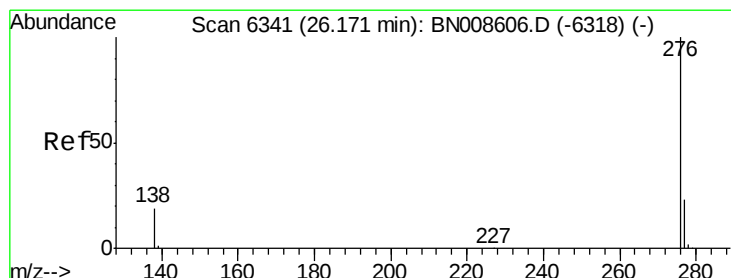
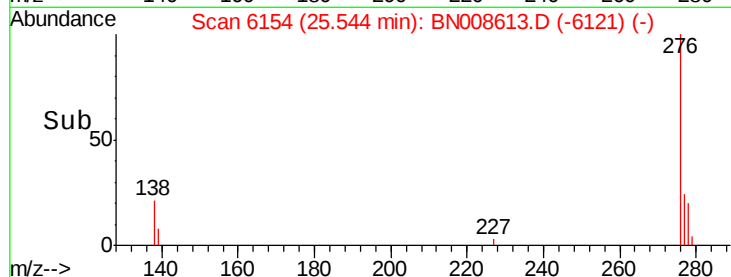
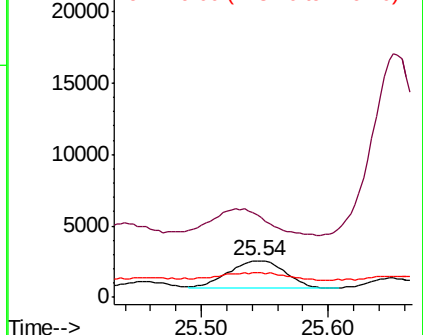
279 65.7 20.8 31.2#



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: 0.642 ng/ul

RT: 26.19 min Scan# 6348

Delta R.T. 0.02 min

Lab File: BN008613.D

Acq: 18 Nov 2019 20:43

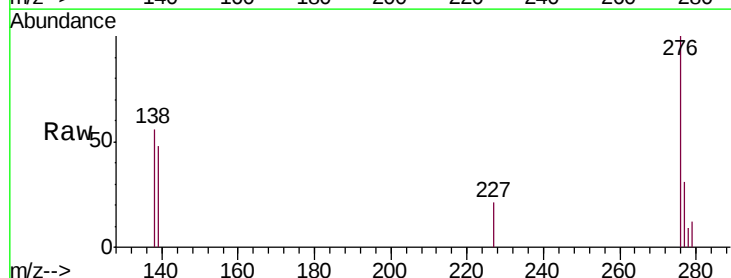
Tgt Ion:276 Resp: 25213

Ion Ratio Lower Upper

276 100

138 55.8 20.0 30.0#

277 31.5 20.0 30.0#



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

