

Data File : BN008610.D
Acq On : 18 Nov 2019 18:55
Operator : JU
Sample : K5678-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM85

Quant Time: Nov 19 01:51:21 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	2659	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	9564	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	5729	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	11232	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	9126	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	9772	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.98	152	3698	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	9023	0.26	ng/ul	0.00

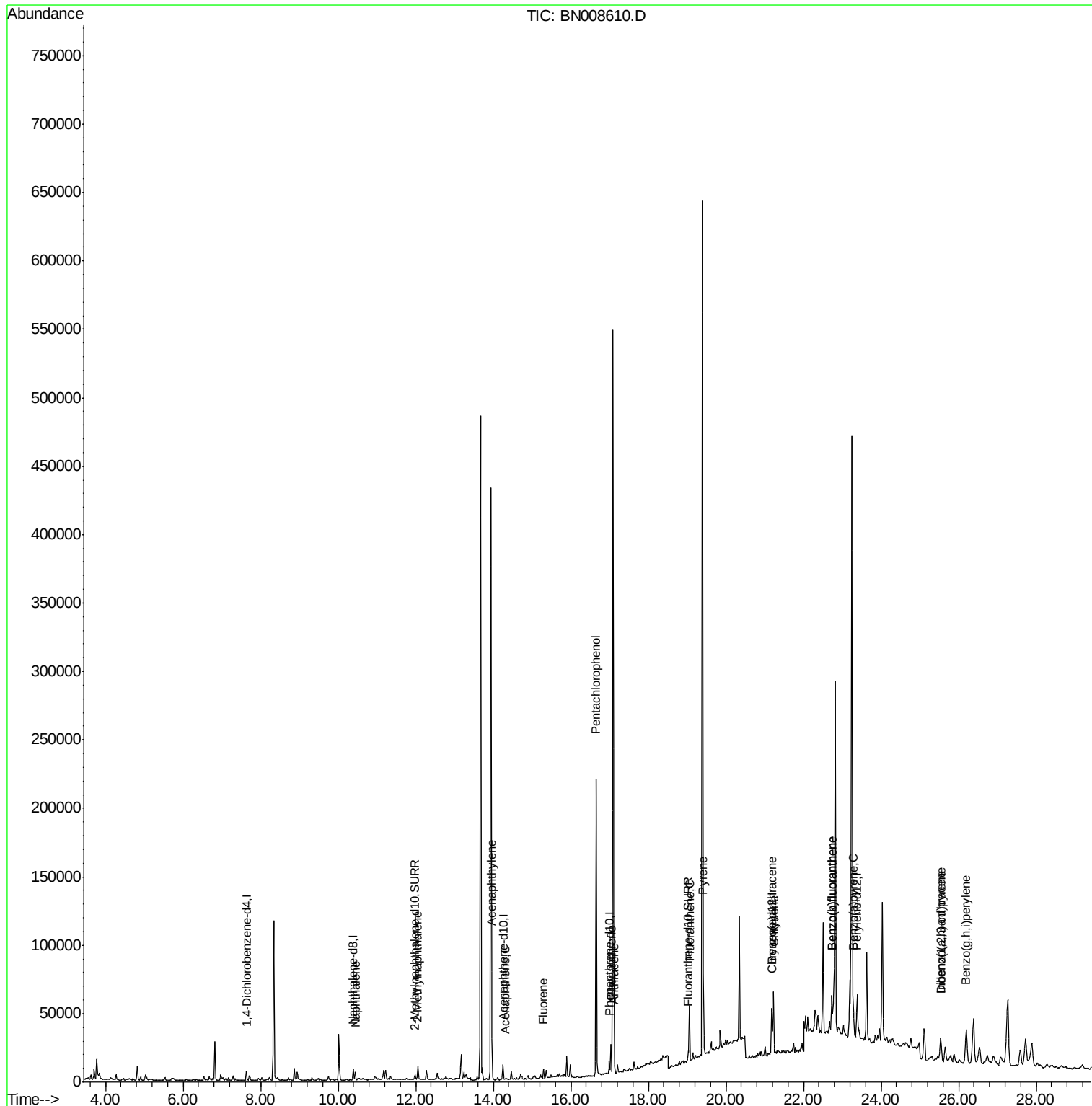
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.44	128	7318	0.254	ng/ul	97
5) 2-Methylnaphthalene	12.06	142	6377	0.317	ng/ul	99
7) Acenaphthylene	13.97	152	4185	0.132	ng/ul#	73
8) Acenaphthene	14.32	153	590	0.025	ng/ul#	83
9) Fluorene	15.31	166	1208	0.044	ng/ul#	44
11) Pentachlorophenol	16.65	266	132664	31.208	ng/ul	99
12) Phenanthrene	17.04	178	22210	0.586	ng/ul#	92
13) Anthracene	17.13	178	4997	0.140	ng/ul#	59
15) Fluoranthene	19.06	202	34886	0.750	ng/ul	95
17) Pyrene	19.42	202	45112	1.232	ng/ul	99
18) Benzo(a)anthracene	21.18	228	25718	0.701	ng/ul#	73
19) Chrysene	21.23	228	48672	1.350	ng/ul#	85
21) Benzo(b)fluoranthene	22.73	252	46842	1.162	ng/ul#	1
22) Benzo(k)fluoranthene	22.73	252	46842	1.172	ng/ul#	1
23) Benzo(a)pyrene	23.28	252	40316	1.066	ng/ul#	36
24) Indeno(1,2,3-cd)pyrene	25.54	276	20448	0.462	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.55	278	8014	0.224	ng/ul#	1
26) Benzo(g,h,i)perylene	26.20	276	47634	1.287	ng/ul#	75

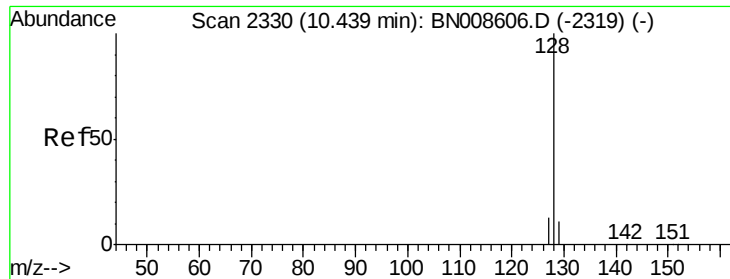
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.254 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

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Acq: 18 Nov 2019 18:55

Instrument :

BNA_N

ClientSampleId :

JLM85

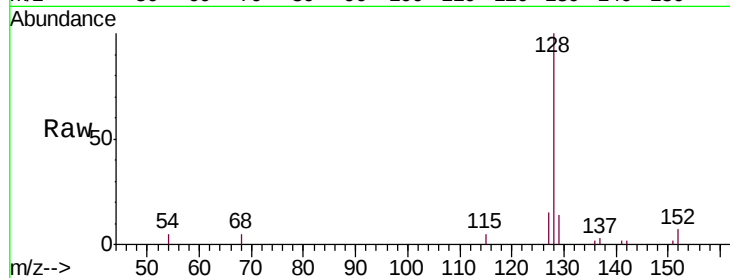
Tgt Ion:128 Resp: 7318

Ion Ratio Lower Upper

128 100

129 13.8 9.7 14.5

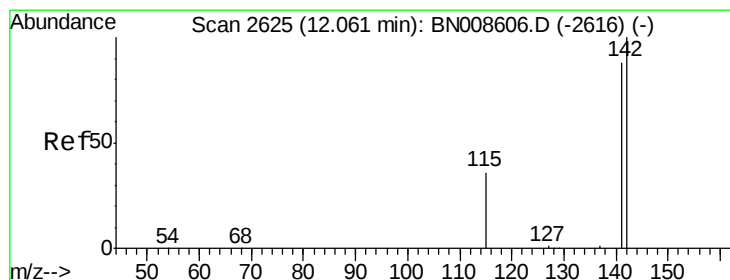
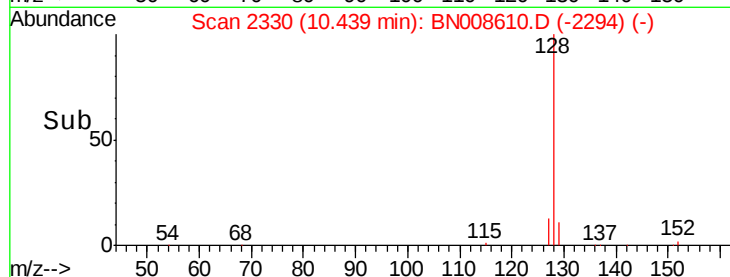
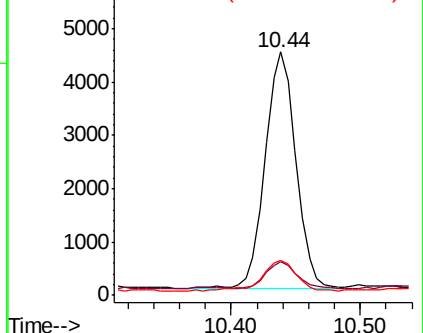
127 14.5 10.8 16.2



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: 0.317 ng/ul

RT: 12.06 min Scan# 2624

Delta R.T. -0.01 min

Lab File: BN008610.D

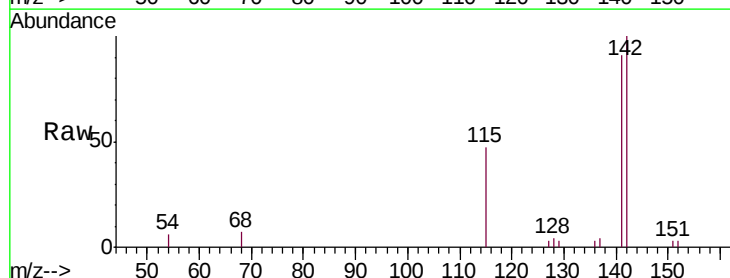
Acq: 18 Nov 2019 18:55

Tgt Ion:142 Resp: 6377

Ion Ratio Lower Upper

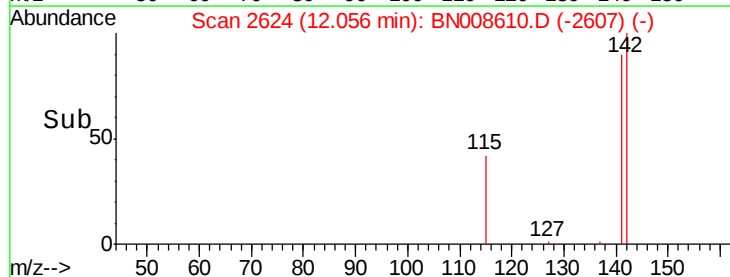
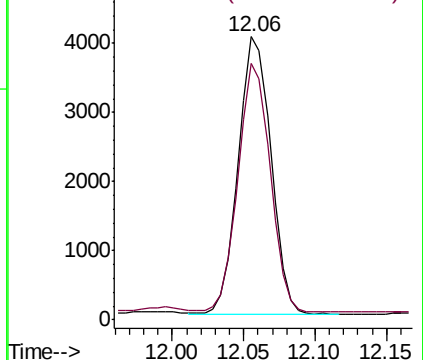
142 100

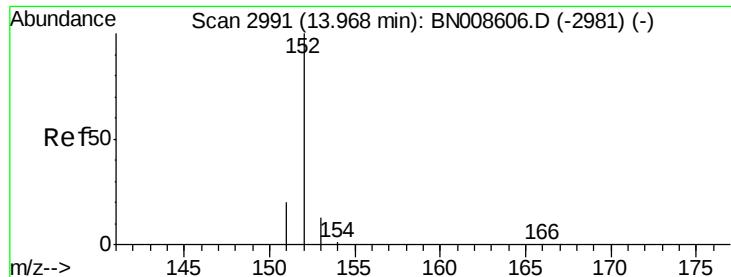
141 88.7 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.132 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

Instrument :

BNA_N

ClientSampleId :

JLM85

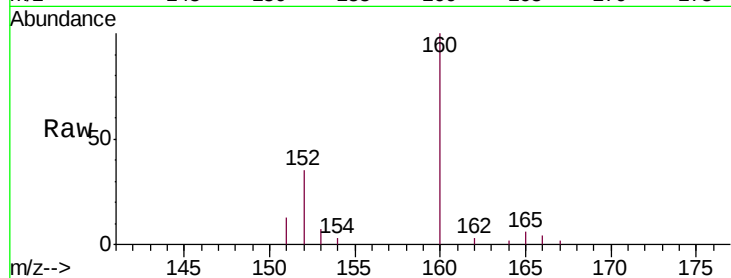
Tgt Ion:152 Resp: 4185

Ion Ratio Lower Upper

152 100

151 36.3 16.6 24.8#

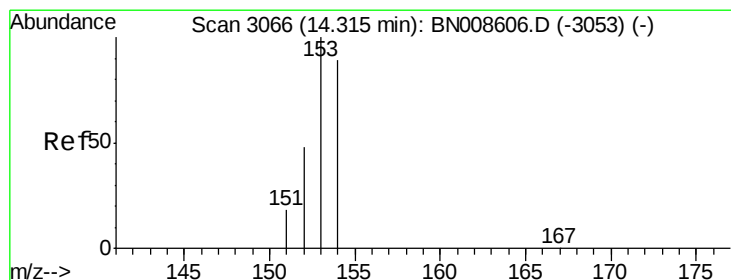
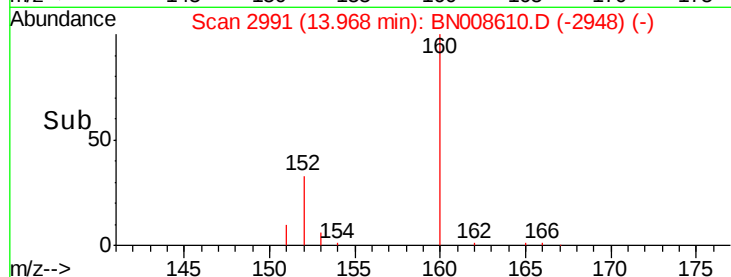
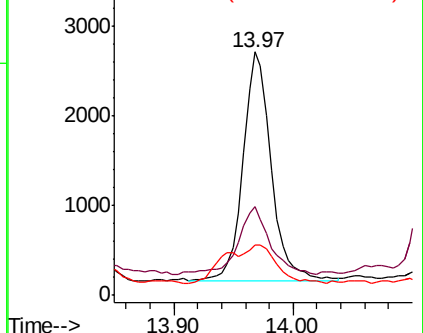
153 20.8 11.1 16.7#



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



#8

Acenaphthene

Concen: 0.025 ng/ul

RT: 14.32 min Scan# 3066

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

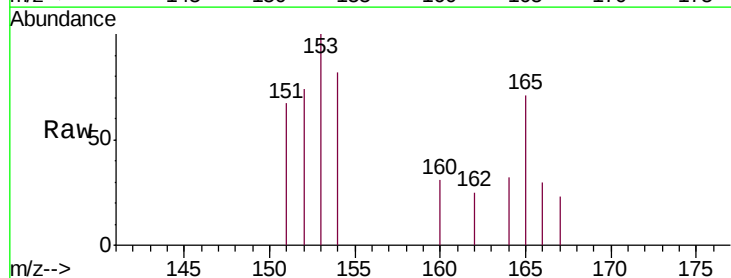
Tgt Ion:153 Resp: 590

Ion Ratio Lower Upper

153 100

152 73.7 39.6 59.4#

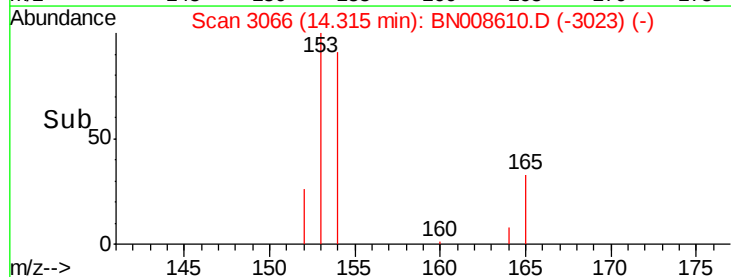
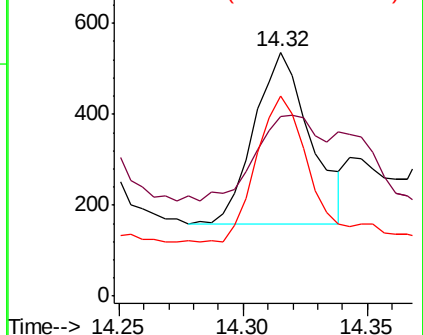
154 82.1 70.6 106.0

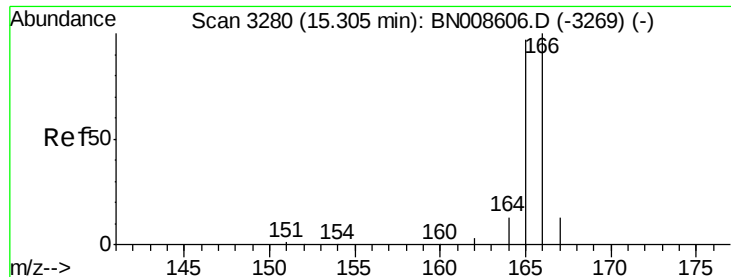


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.044 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

Instrument :

BNA_N

ClientSampleId :

JLM85

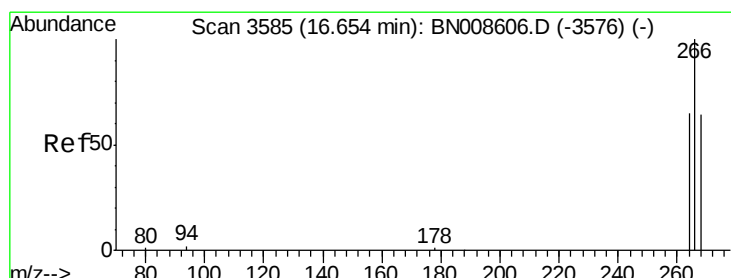
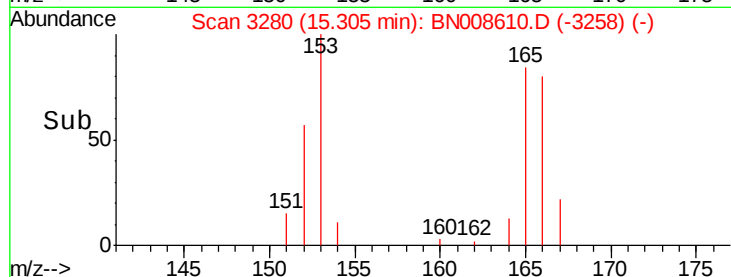
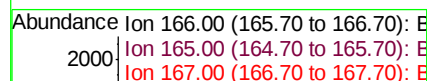
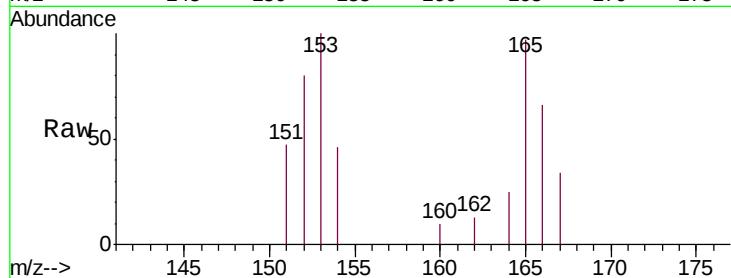
Tgt Ion:166 Resp: 1208

Ion Ratio Lower Upper

166 100

165 147.0 77.4 116.0#

167 51.2 11.4 17.0#



#11

Pentachlorophenol

Concen: 31.208 ng/ul

RT: 16.65 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

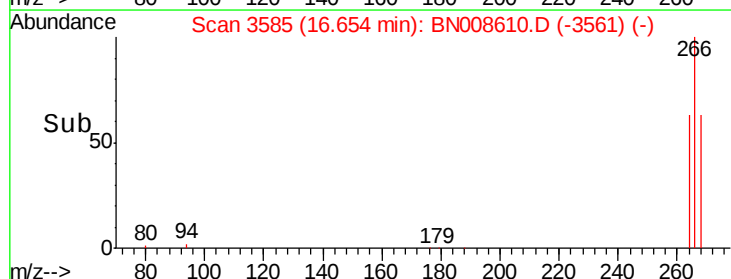
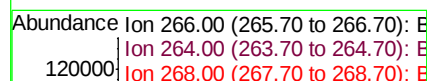
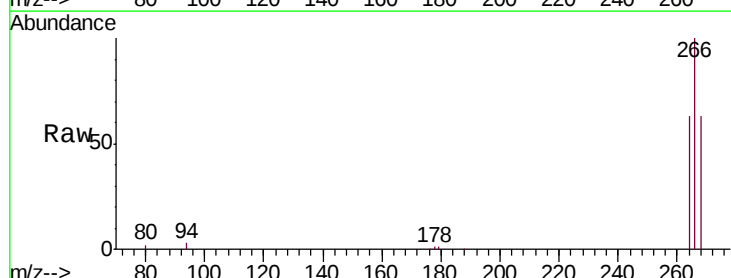
Tgt Ion:266 Resp: 132664

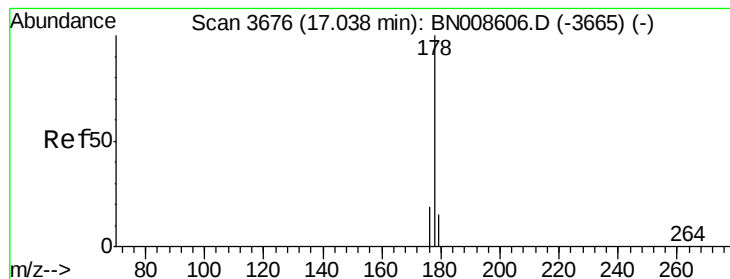
Ion Ratio Lower Upper

266 100

264 62.9 49.2 73.8

268 63.8 50.9 76.3





#12

Phenanthrene

Concen: 0.586 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

Instrument :

BNA_N

ClientSampleId :

JLM85

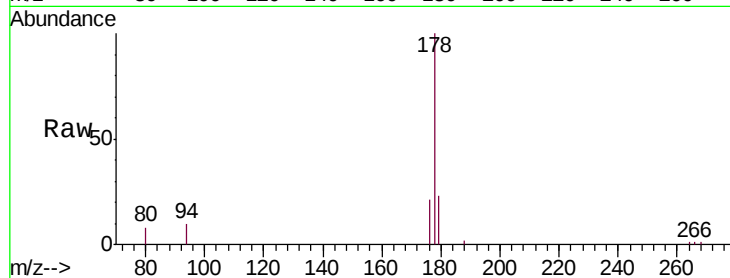
Tgt Ion:178 Resp: 22210

Ion Ratio Lower Upper

178 100

179 22.7 12.8 19.2#

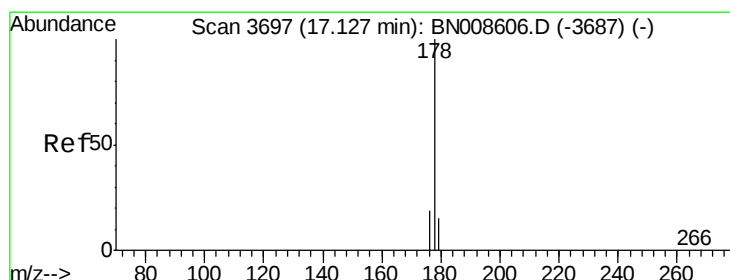
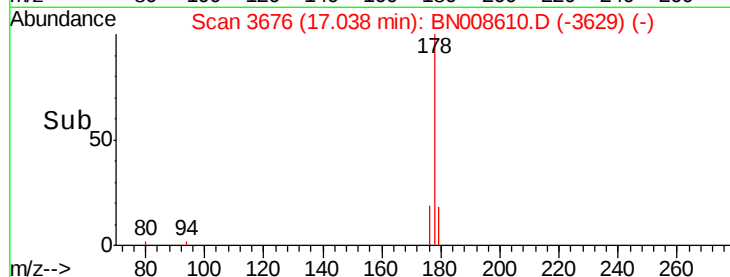
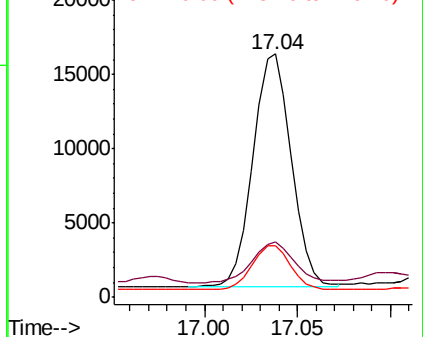
176 21.1 16.0 24.0



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: 0.140 ng/ul

RT: 17.13 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

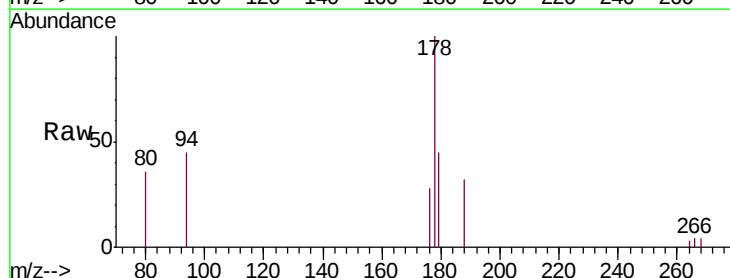
Tgt Ion:178 Resp: 4997

Ion Ratio Lower Upper

178 100

179 44.8 13.0 19.4#

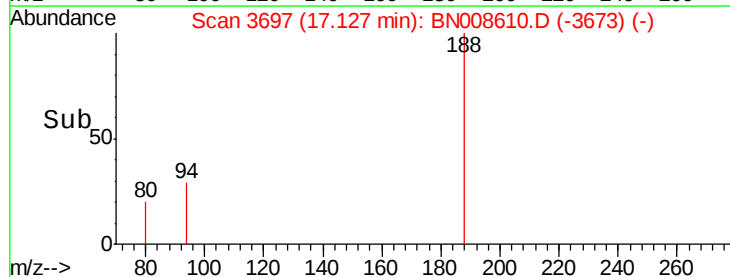
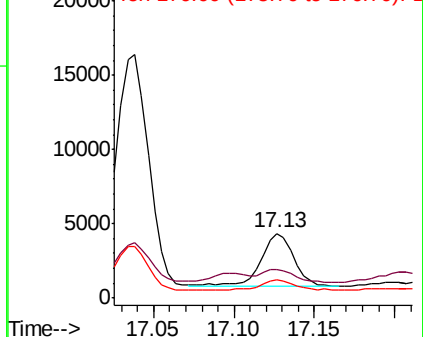
176 28.1 15.3 22.9#

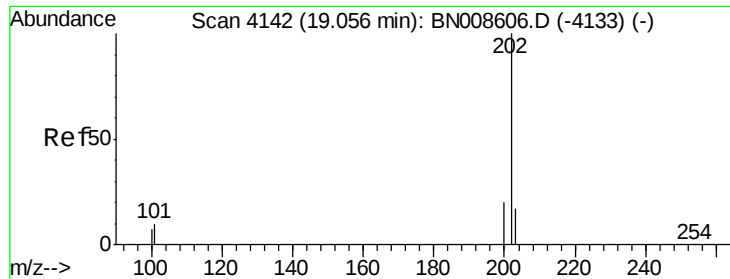


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.750 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

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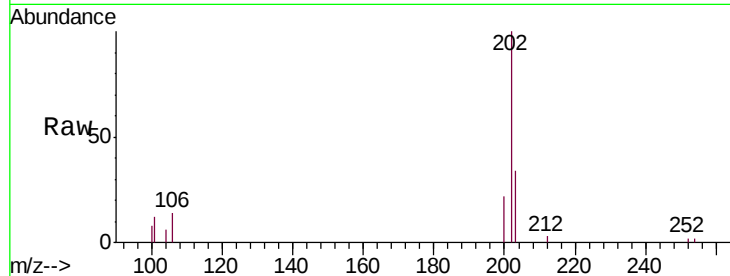
Tgt Ion:202 Resp: 34886

Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.6

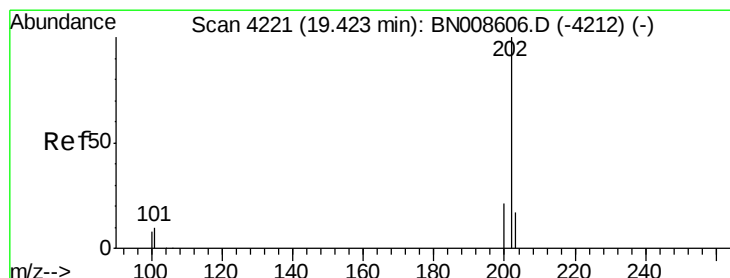
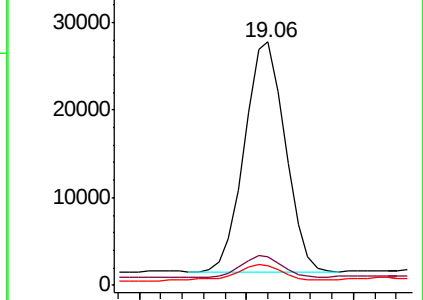
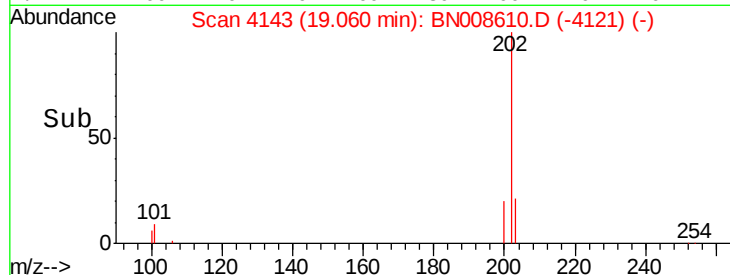
100 8.0 0.0 27.0



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: 1.232 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. -0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

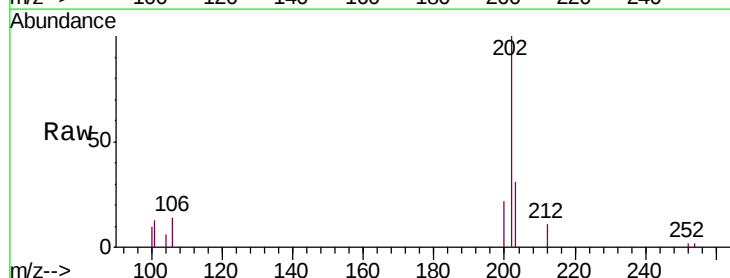
Tgt Ion:202 Resp: 45112

Ion Ratio Lower Upper

202 100

101 12.9 10.2 15.2

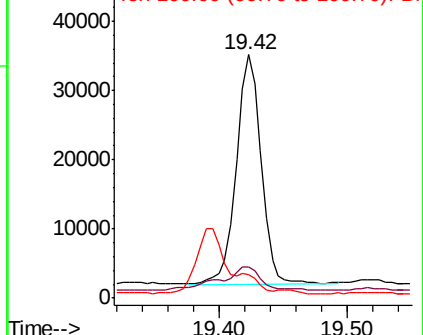
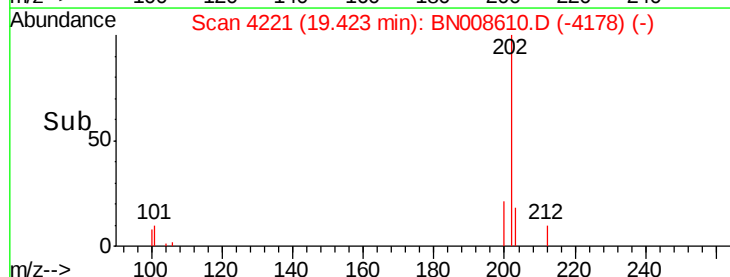
100 9.8 8.2 12.2

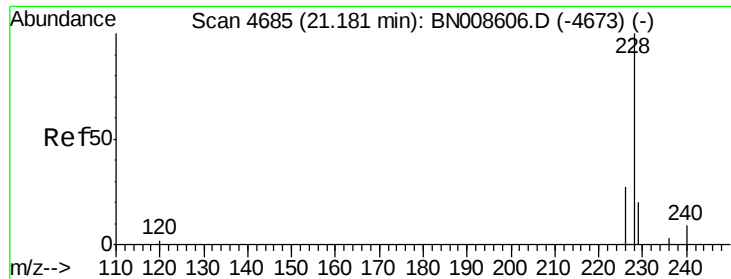


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.701 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.00 min

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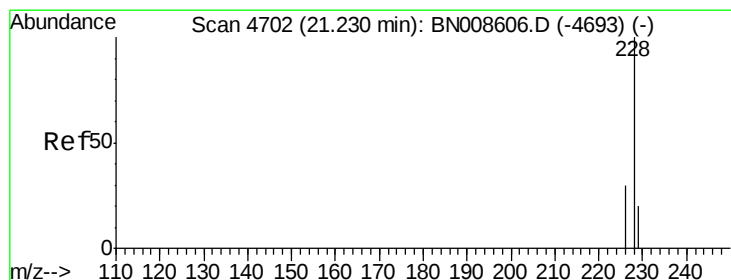
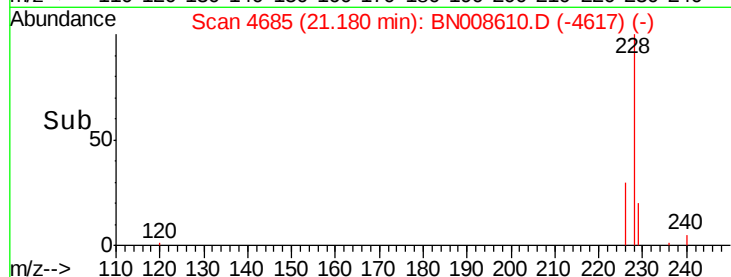
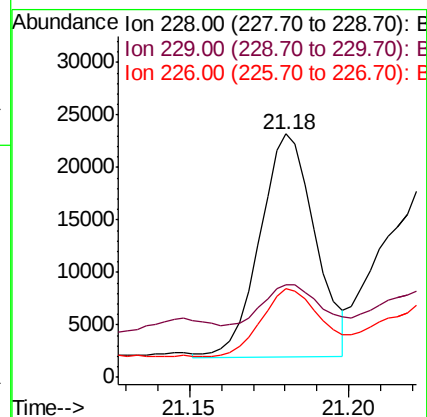
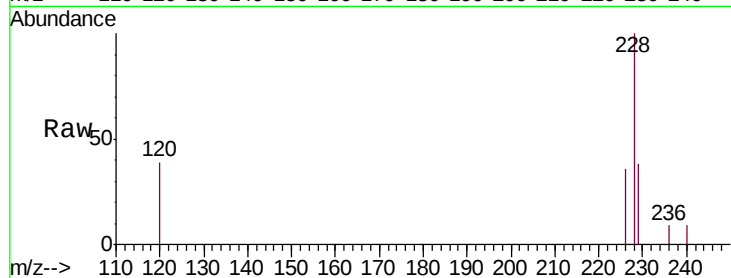
Tgt Ion:228 Resp: 25718

Ion Ratio Lower Upper

228 100

229 38.2 15.8 23.6#

226 36.2 21.6 32.4#



#19

Chrysene

Concen: 1.350 ng/ul

RT: 21.23 min Scan# 4703

Delta R.T. 0.00 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

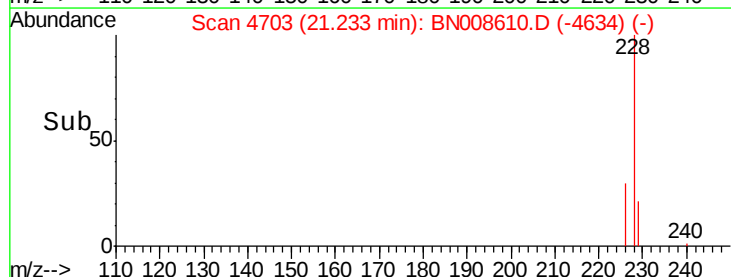
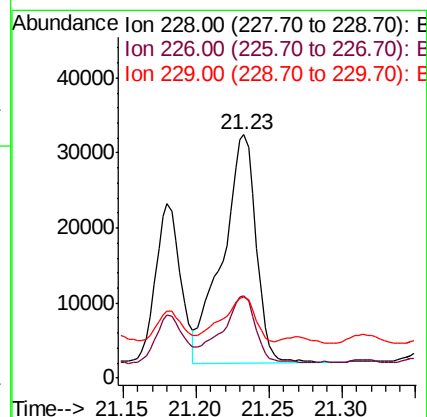
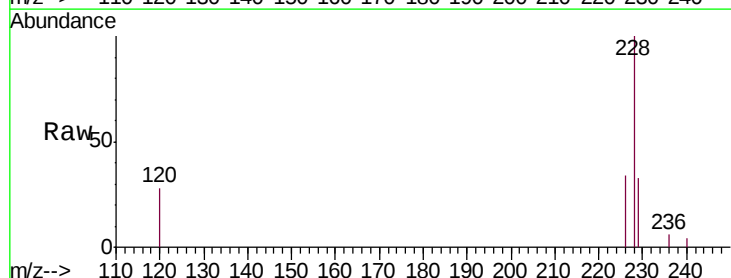
Tgt Ion:228 Resp: 48672

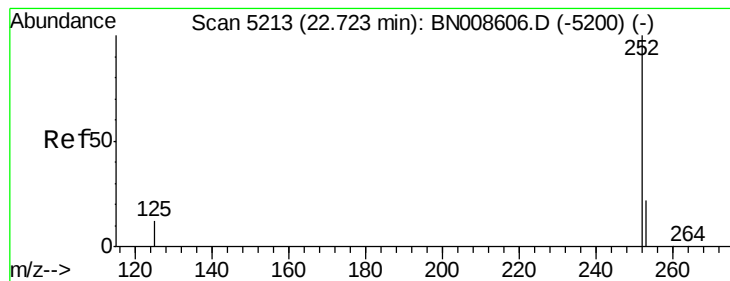
Ion Ratio Lower Upper

228 100

226 33.9 24.5 36.7

229 33.2 15.5 23.3#





#21

Benzo(b)fluoranthene

Concen: 1.162 ng/u1

RT: 22.73 min Scan# 5216

Delta R.T. 0.01 min

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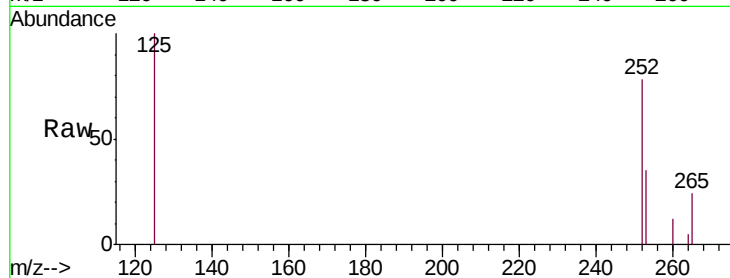
Tgt Ion:252 Resp: 46842

Ion Ratio Lower Upper

252 100

253 44.3 0.0 50.2

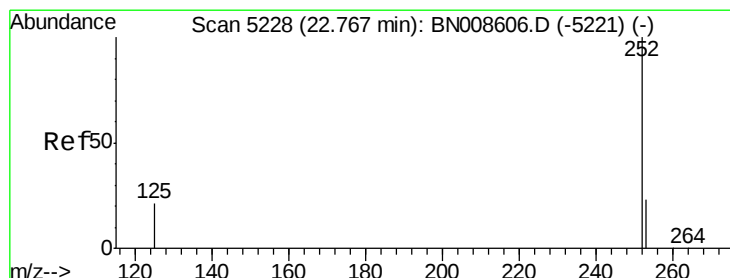
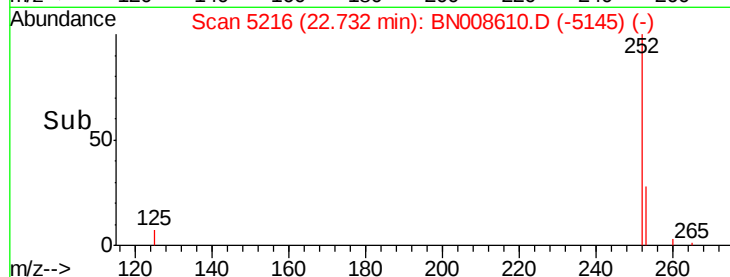
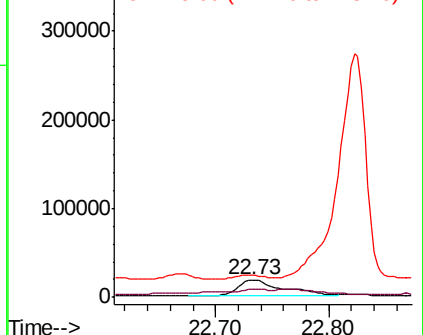
125 127.5 0.0 30.0#



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: 1.172 ng/u1

RT: 22.73 min Scan# 5216

Delta R.T. -0.04 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

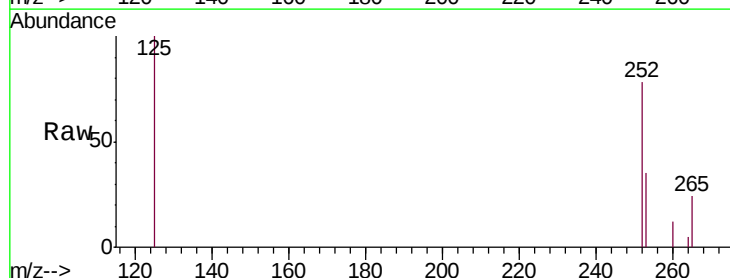
Tgt Ion:252 Resp: 46842

Ion Ratio Lower Upper

252 100

253 44.3 20.5 30.7#

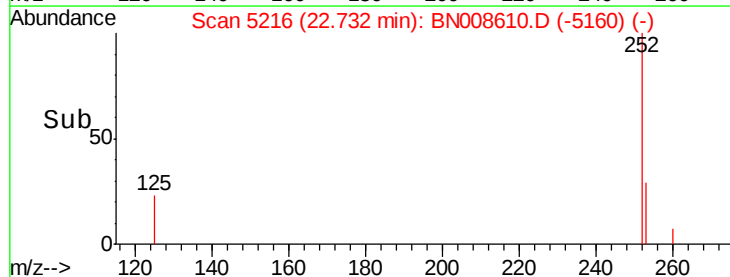
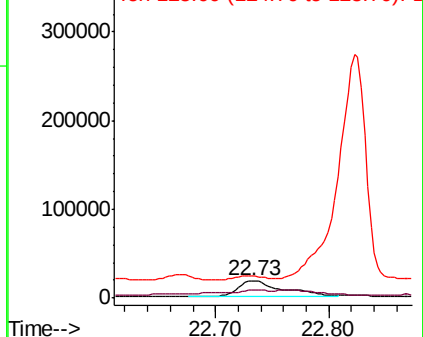
125 127.5 15.0 22.4#

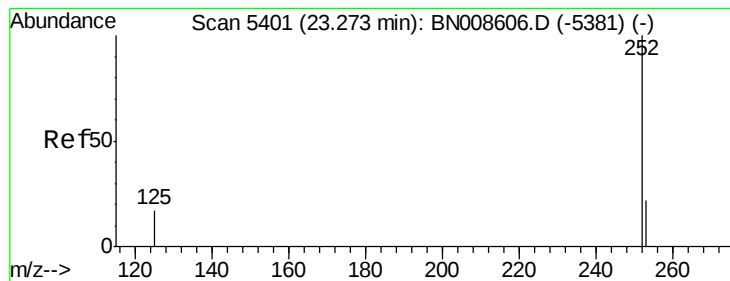


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.066 ng/u1

RT: 23.28 min Scan# 5405

Delta R.T. 0.01 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

Instrument :

BNA_N

ClientSampleId :

JLM85

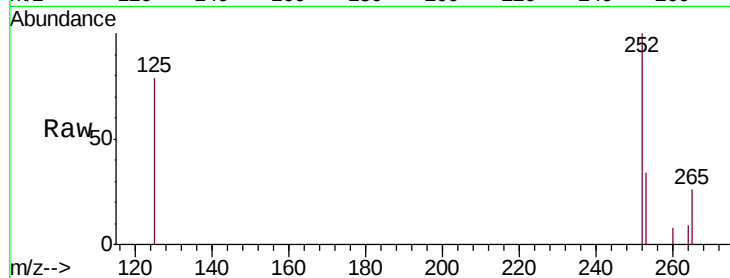
Tgt Ion:252 Resp: 40316

Ion Ratio Lower Upper

252 100

253 33.8 21.4 32.2#

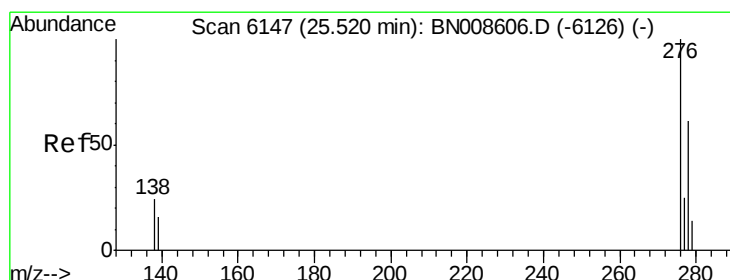
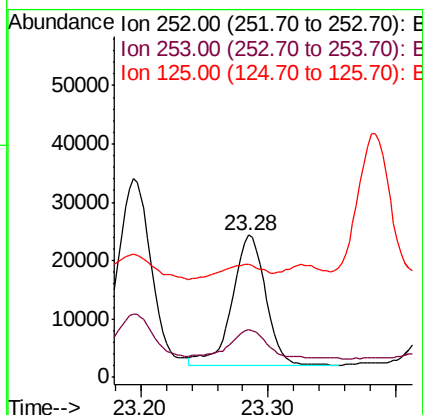
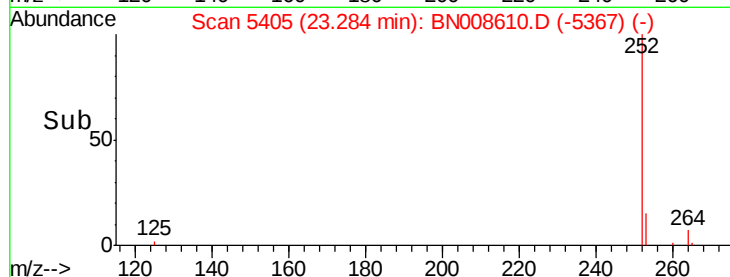
125 79.1 13.8 20.8#



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: 0.462 ng/u1

RT: 25.54 min Scan# 6153

Delta R.T. 0.02 min

Lab File: BN008610.D

Acq: 18 Nov 2019 18:55

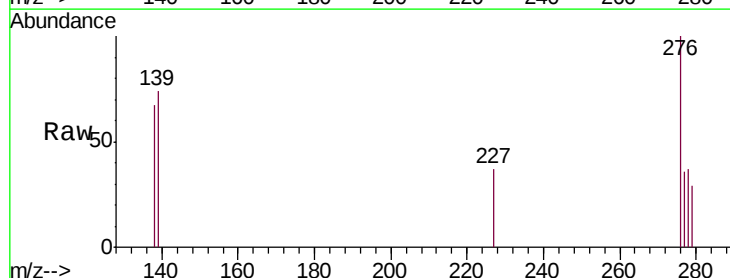
Tgt Ion:276 Resp: 20448

Ion Ratio Lower Upper

276 100

138 33.8 21.7 32.5#

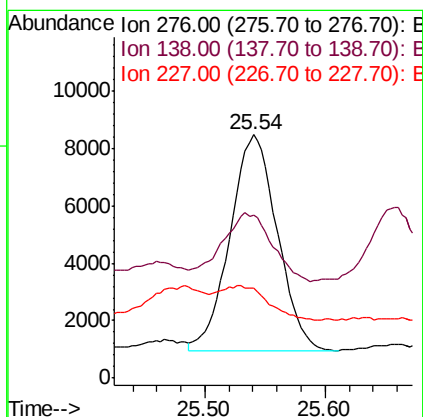
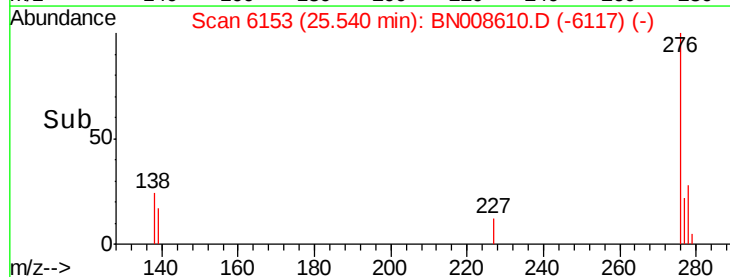
227 34.6 0.2 0.2#

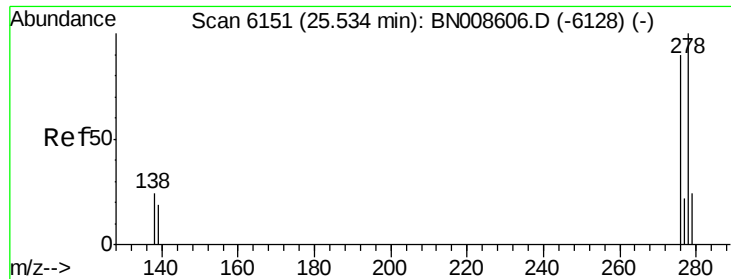


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

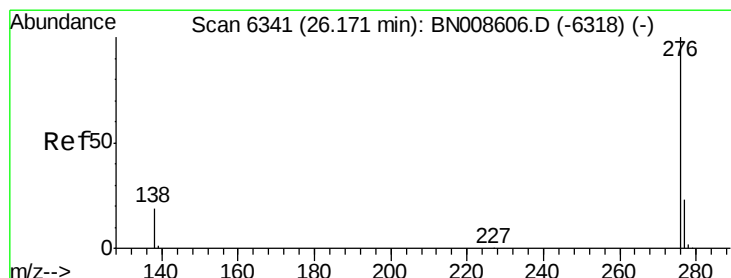
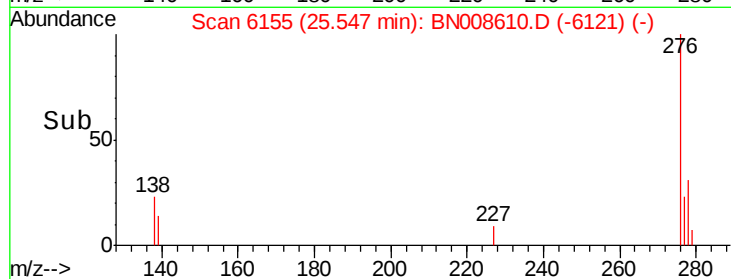
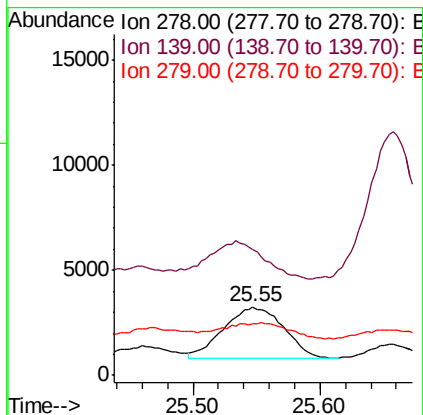
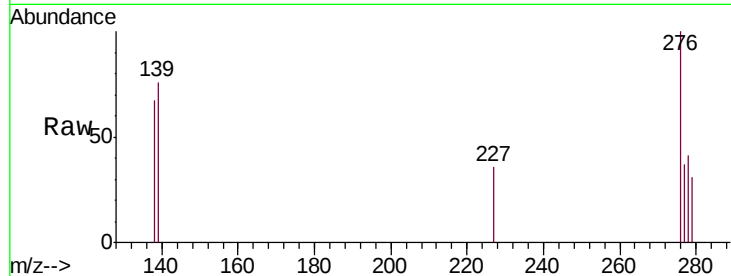




#25
Dibenzo(a,h)anthracene
Concen: 0.224 ng/u1
RT: 25.55 min Scan# 6155
Delta R.T. 0.01 min
Lab File: BN008610.D
Acq: 18 Nov 2019 18:55

Instrument :
BNA_N
ClientSampleId :
JLM85

Tgt Ion:278 Resp: 8014
Ion Ratio Lower Upper
278 100
139 184.5 18.7 28.1#
279 75.9 20.8 31.2#



#26
Benzo(g,h,i)perylene
Concen: 1.287 ng/u1
RT: 26.20 min Scan# 6350
Delta R.T. 0.03 min
Lab File: BN008610.D
Acq: 18 Nov 2019 18:55

Tgt Ion:276 Resp: 47634
Ion Ratio Lower Upper
276 100
138 45.3 20.0 30.0#
277 29.8 20.0 30.0

