

Data File : BN008608.D
Acq On : 18 Nov 2019 17:43
Operator : JU
Sample : K5678-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM81

Quant Time: Nov 19 01:51:00 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	3101	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11191	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	6889	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13191	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	10405	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	10597	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	4177	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	10385	0.26	ng/ul	0.00

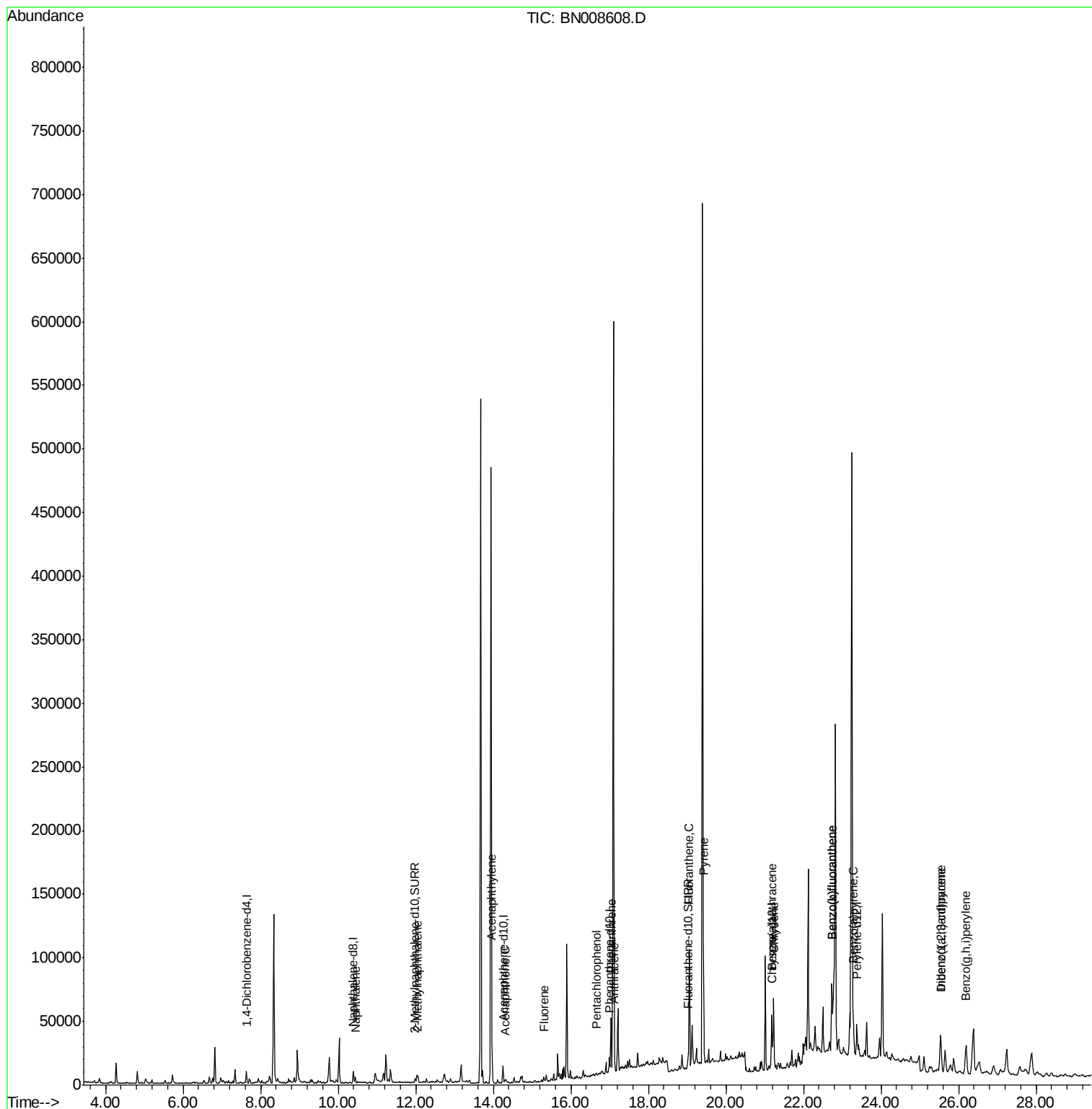
Target Compounds					Qvalue	
3) Naphthalene	10.44	128	6046	0.179	ng/ul	96
5) 2-Methylnaphthalene	12.06	142	3359	0.143	ng/ul	100
7) Acenaphthylene	13.97	152	8659	0.227	ng/ul	96
8) Acenaphthene	14.32	153	1657	0.059	ng/ul#	92
9) Fluorene	15.31	166	2239	0.067	ng/ul#	84
11) Pentachlorophenol	16.65	266	815	0.163	ng/ul	96
12) Phenanthrene	17.04	178	43692	0.982	ng/ul#	94
13) Anthracene	17.13	178	7245	0.172	ng/ul#	62
15) Fluoranthene	19.06	202	78525	1.437	ng/ul	95
17) Pyrene	19.42	202	79858	1.913	ng/ul	97
18) Benzo(a)anthracene	21.18	228	34544	0.826	ng/ul#	84
19) Chrysene	21.23	228	53513	1.302	ng/ul#	93
21) Benzo(b)fluoranthene	22.73	252	113204	2.591	ng/ul#	65
22) Benzo(k)fluoranthene	22.73	252	113204	2.612	ng/ul#	68
23) Benzo(a)pyrene	23.28	252	49593	1.209	ng/ul#	63
24) Indeno(1,2,3-cd)pyrene	25.53	276	42319	0.882	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.54	278	9536	0.246	ng/ul#	1
26) Benzo(g,h,i)perylene	26.19	276	42132	1.050	ng/ul#	85

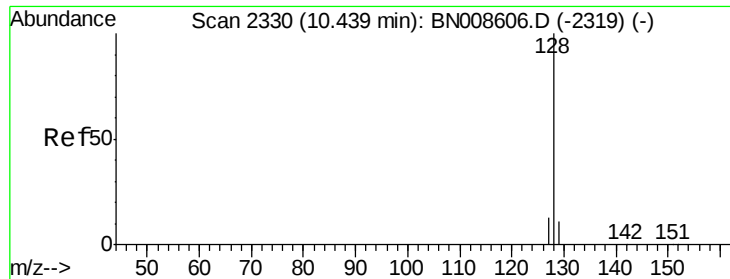
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.179 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

Instrument :

BNA_N

ClientSampleId :

JLM81

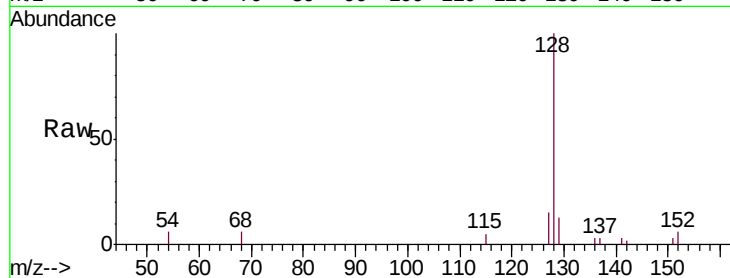
Tgt Ion:128 Resp: 6046

Ion Ratio Lower Upper

128 100

129 13.5 9.7 14.5

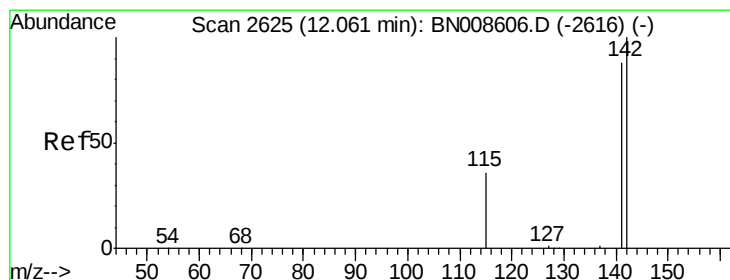
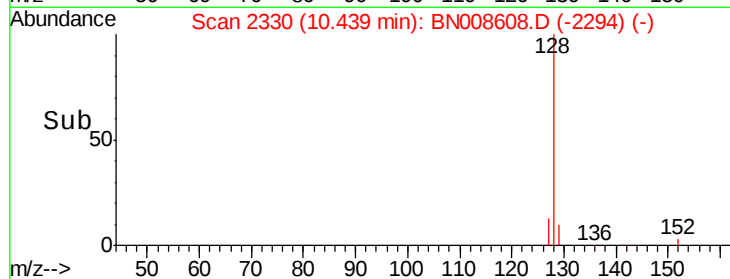
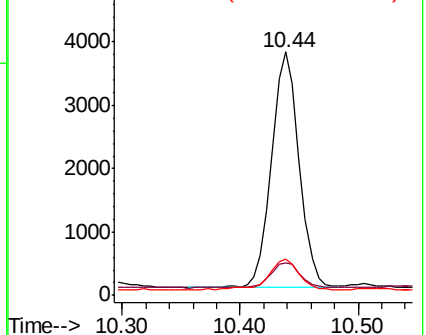
127 15.0 10.8 16.2



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: 0.143 ng/ul

RT: 12.06 min Scan# 2624

Delta R.T. -0.01 min

Lab File: BN008608.D

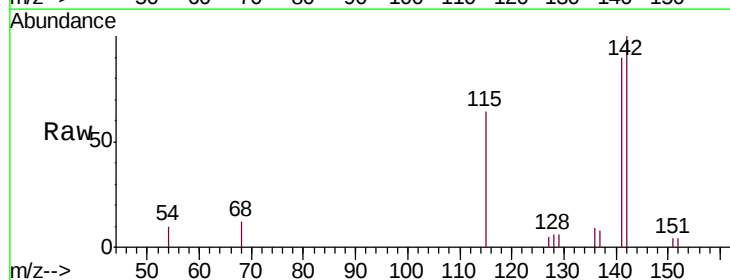
Acq: 18 Nov 2019 17:43

Tgt Ion:142 Resp: 3359

Ion Ratio Lower Upper

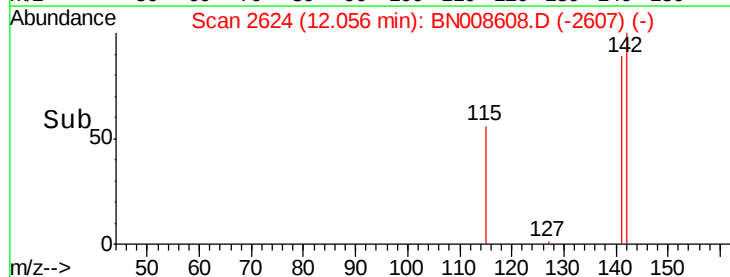
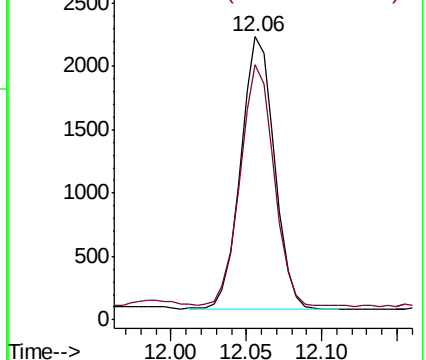
142 100

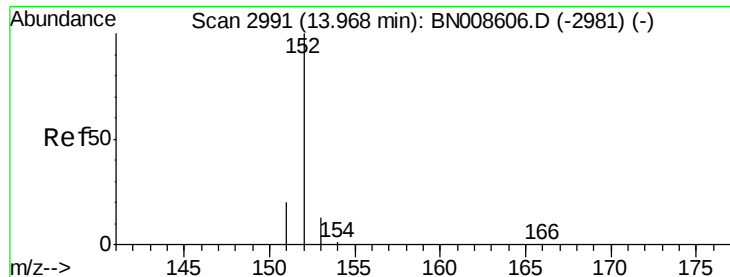
141 87.9 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.227 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

Instrument :

BNA_N

ClientSampleId :

JLM81

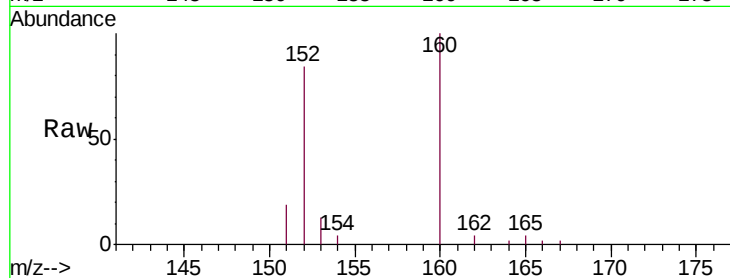
Tgt Ion:152 Resp: 8659

Ion Ratio Lower Upper

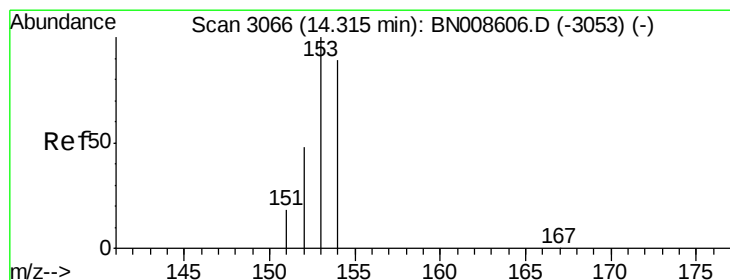
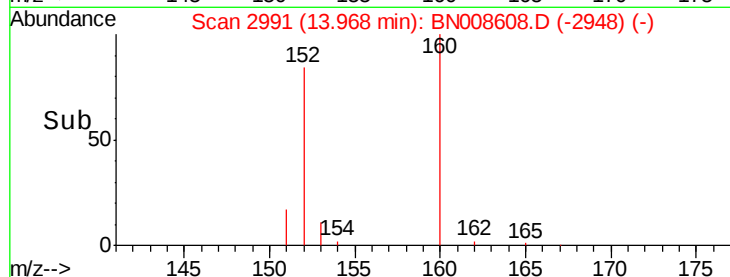
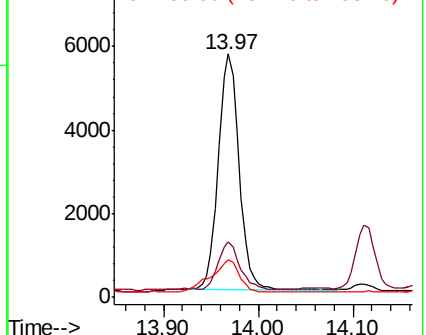
152 100

151 22.8 16.6 24.8

153 15.3 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: 0.059 ng/ul

RT: 14.32 min Scan# 3066

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

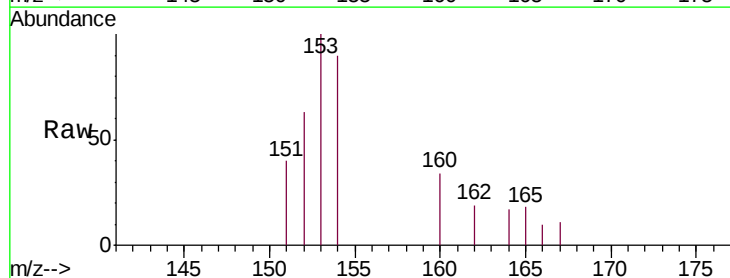
Tgt Ion:153 Resp: 1657

Ion Ratio Lower Upper

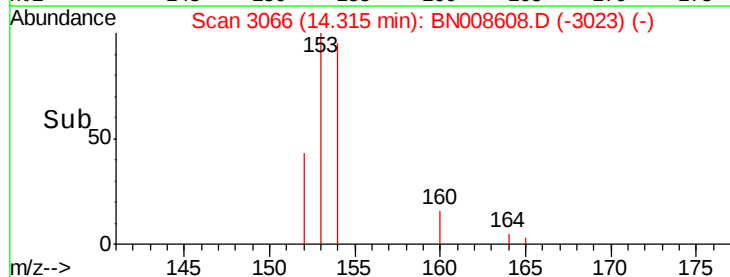
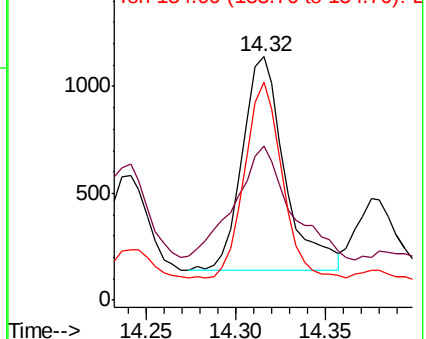
153 100

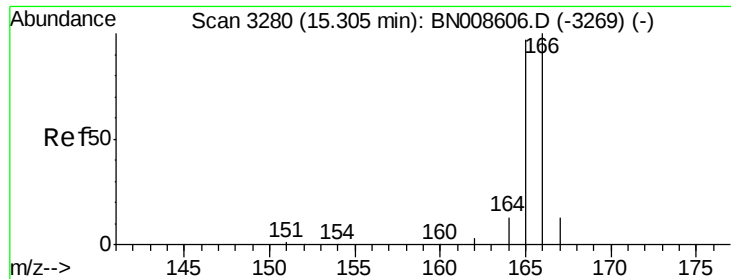
152 63.1 39.6 59.4#

154 89.6 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: 0.067 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

Instrument :

BNA_N

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JLM81

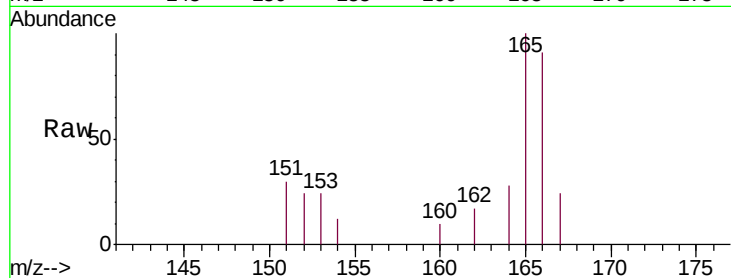
Tgt Ion:166 Resp: 2239

Ion Ratio Lower Upper

166 100

165 110.3 77.4 116.0

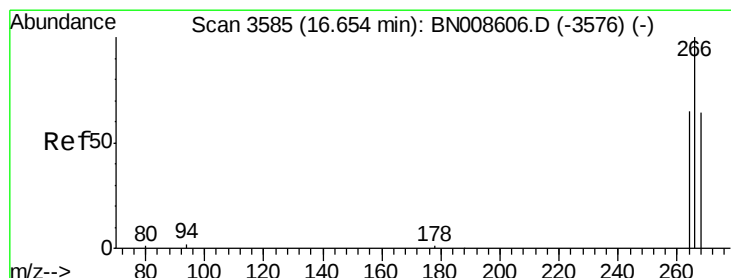
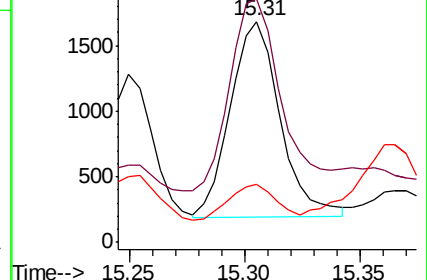
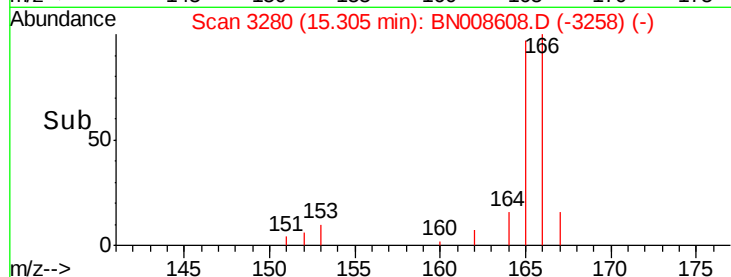
167 26.0 11.4 17.0#



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: 0.163 ng/ul

RT: 16.65 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

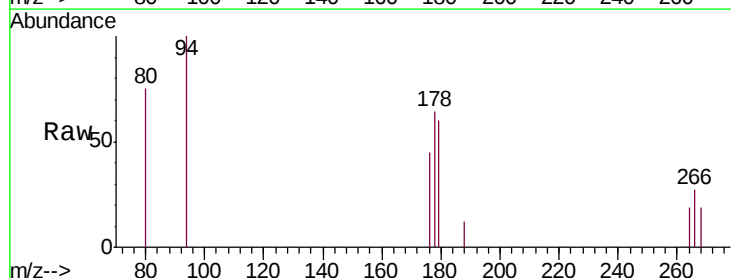
Tgt Ion:266 Resp: 815

Ion Ratio Lower Upper

266 100

264 67.2 49.2 73.8

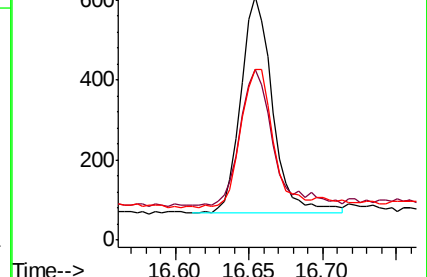
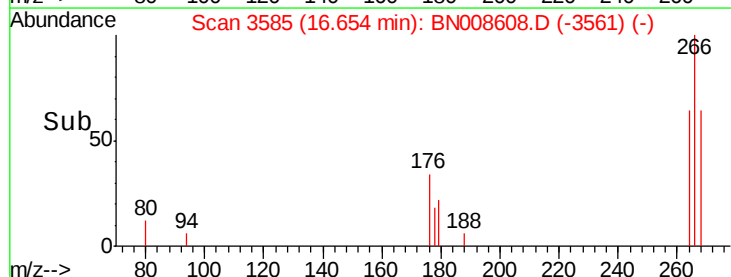
268 63.4 50.9 76.3

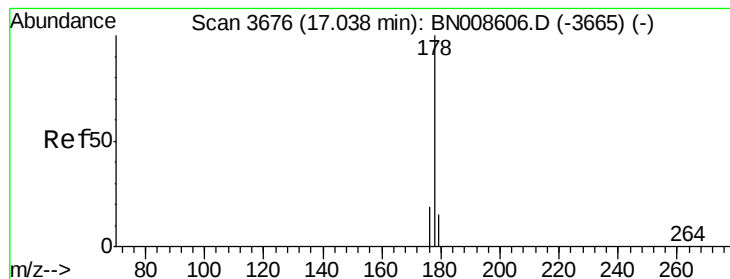


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.982 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

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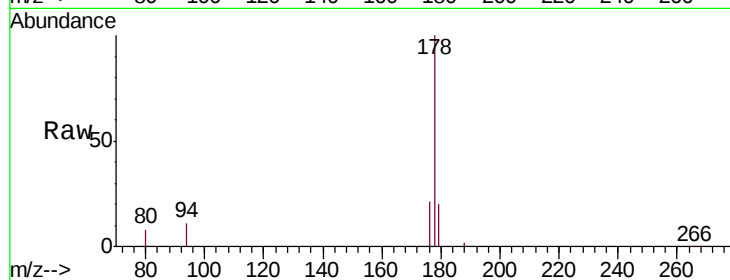
Tgt Ion:178 Resp: 43692

Ion Ratio Lower Upper

178 100

179 20.2 12.8 19.2#

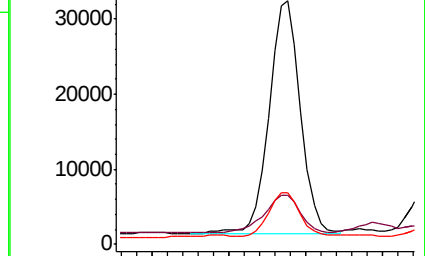
176 21.3 16.0 24.0



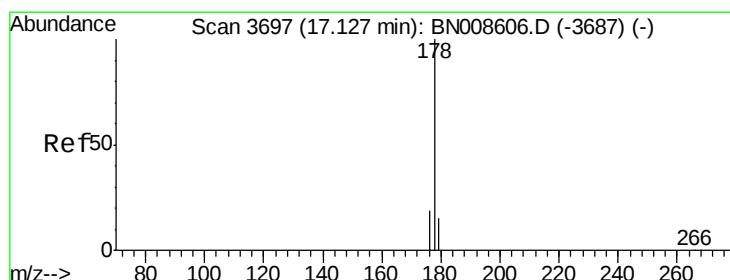
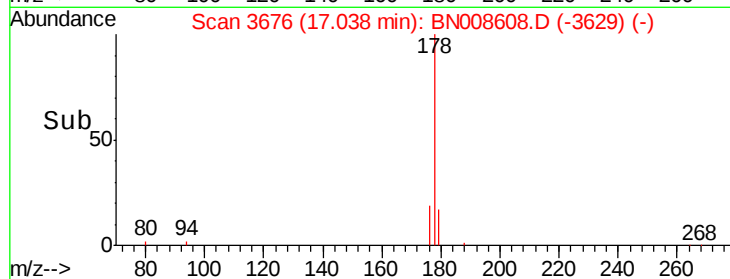
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.172 ng/ul

RT: 17.13 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

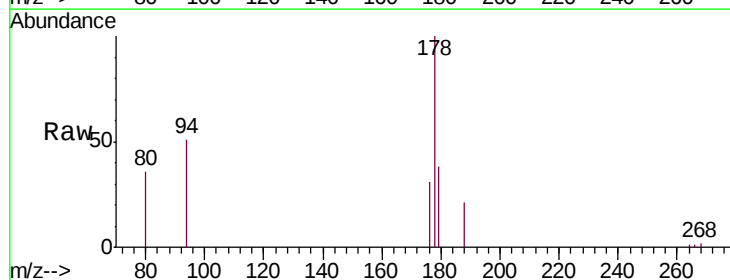
Tgt Ion:178 Resp: 7245

Ion Ratio Lower Upper

178 100

179 38.3 13.0 19.4#

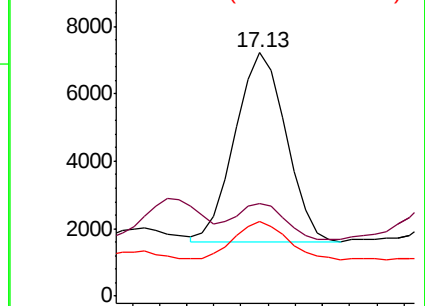
176 30.7 15.3 22.9#



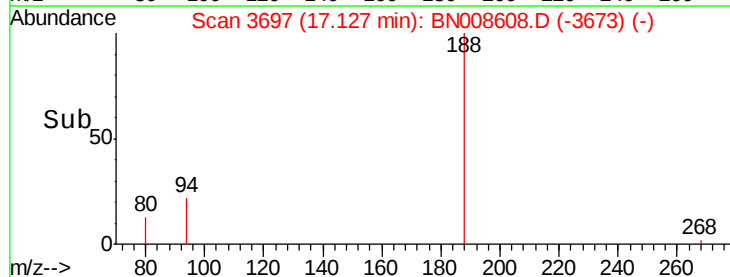
Abundance Ion 178.00 (177.70 to 178.70): E

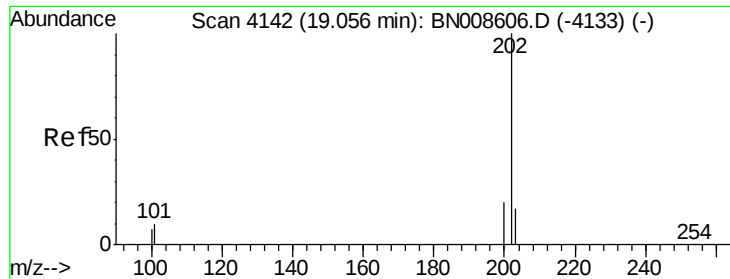
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

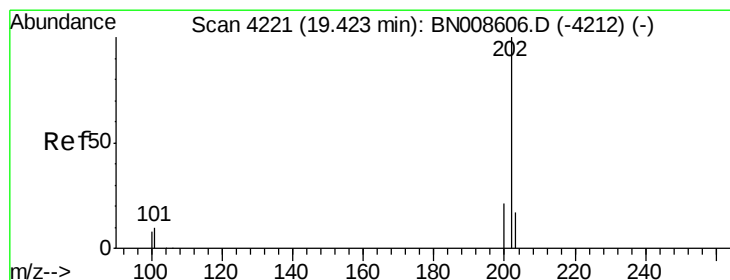
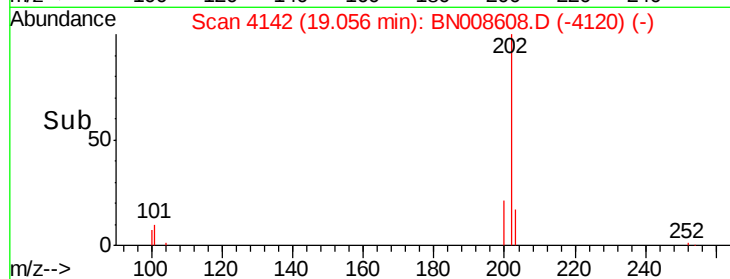
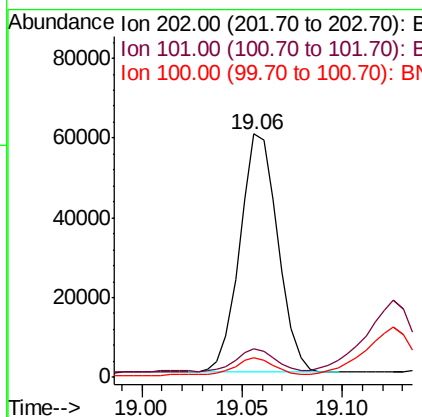
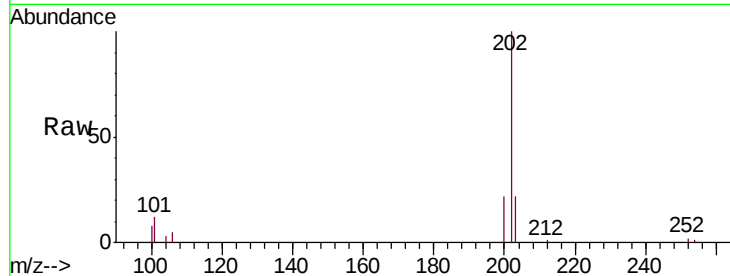




#15
Fluoranthene
 Concen: 1.437 ng/ul
 RT: 19.06 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: BN008608.D
 Acq: 18 Nov 2019 17:43

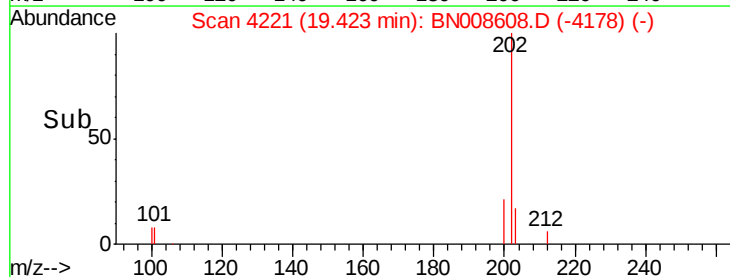
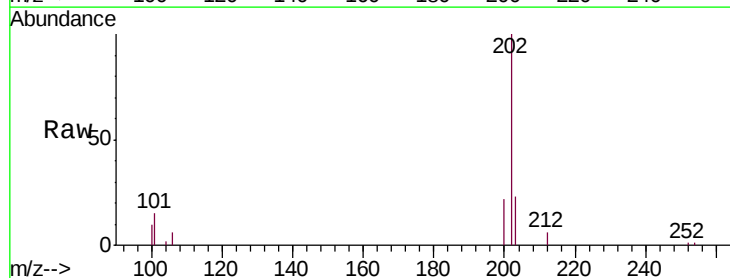
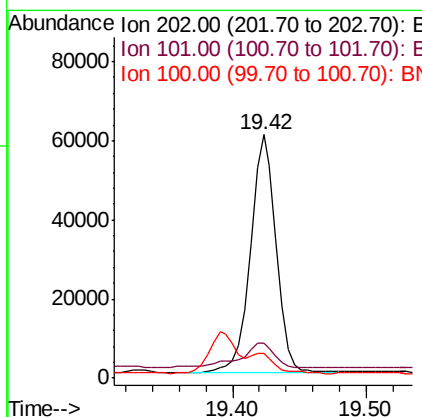
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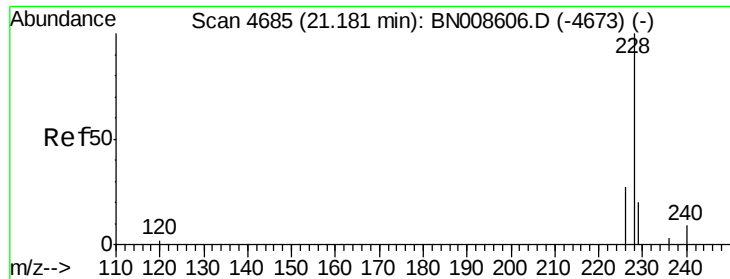
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	29.6
100	8.0	0.0	27.0



#17
Pyrene
 Concen: 1.913 ng/ul
 RT: 19.42 min Scan# 4221
 Delta R.T. -0.00 min
 Lab File: BN008608.D
 Acq: 18 Nov 2019 17:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	10.2	15.2
100	10.3	8.2	12.2





#18

Benzo(a)anthracene

Concen: 0.826 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

Instrument :

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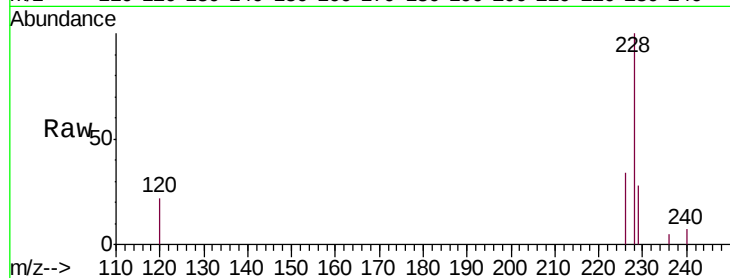
Tgt Ion:228 Resp: 34544

Ion Ratio Lower Upper

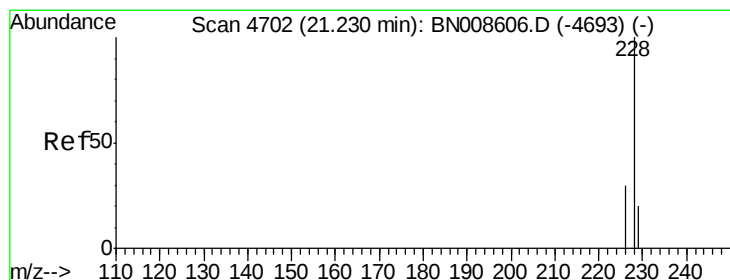
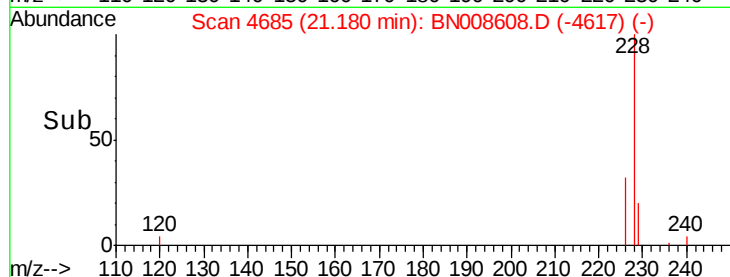
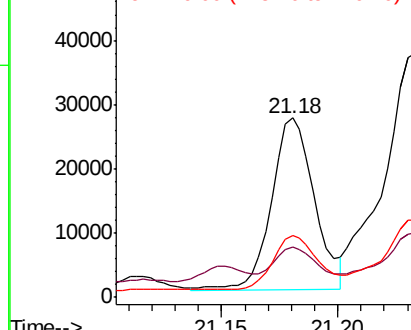
228 100

229 27.9 15.8 23.6#

226 34.2 21.6 32.4#



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: 1.302 ng/ul

RT: 21.23 min Scan# 4703

Delta R.T. 0.00 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

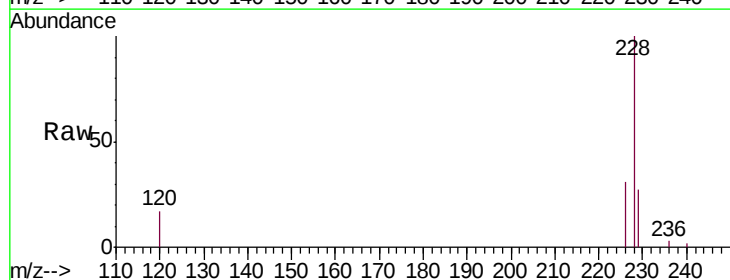
Tgt Ion:228 Resp: 53513

Ion Ratio Lower Upper

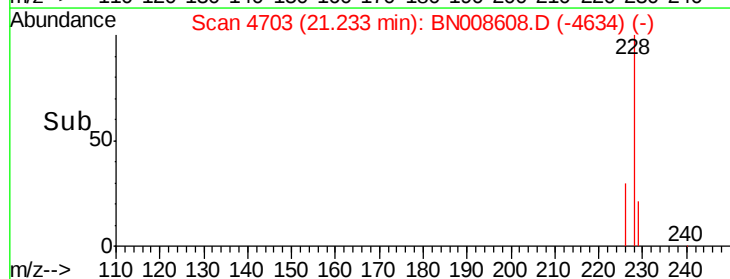
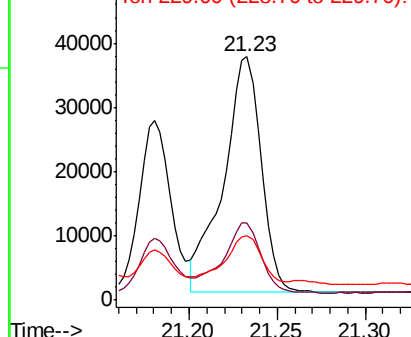
228 100

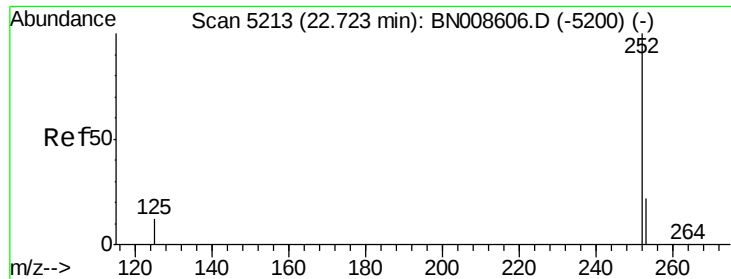
226 31.5 24.5 36.7

229 26.7 15.5 23.3#



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: 2.591 ng/u1

RT: 22.73 min Scan# 5216

Delta R.T. 0.01 min

Lab File: BN008608.D

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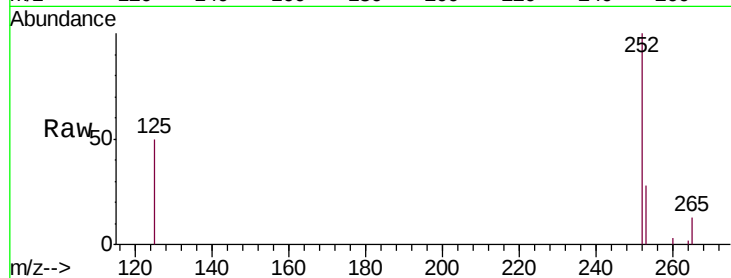
Tgt Ion:252 Resp: 113204

Ion Ratio Lower Upper

252 100

253 28.0 0.0 50.2

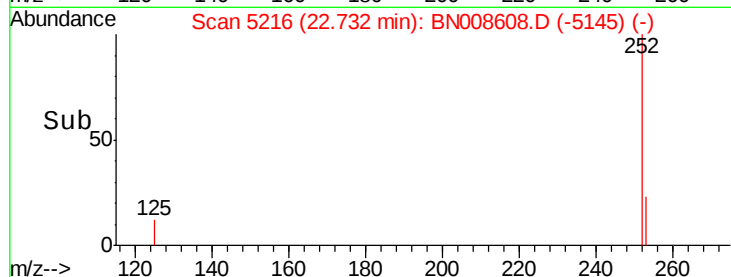
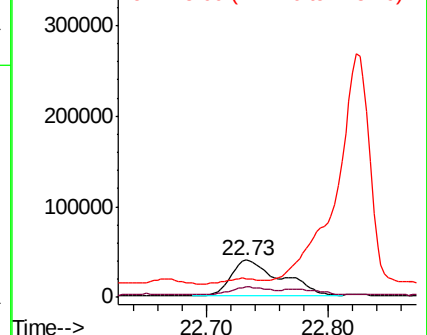
125 49.9 0.0 30.0#



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: 2.612 ng/u1

RT: 22.73 min Scan# 5216

Delta R.T. -0.04 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

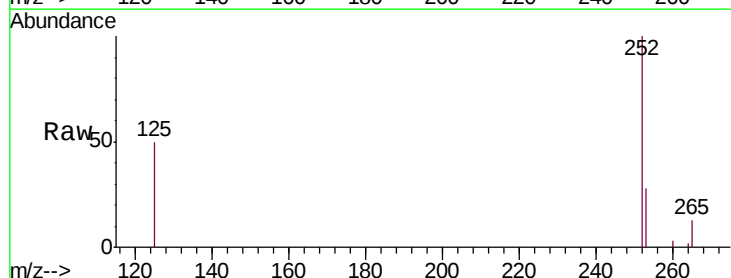
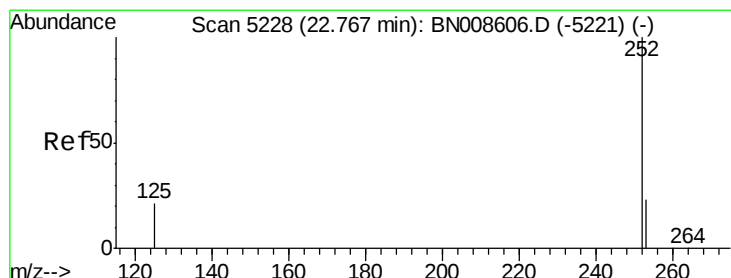
Tgt Ion:252 Resp: 113204

Ion Ratio Lower Upper

252 100

253 28.0 20.5 30.7

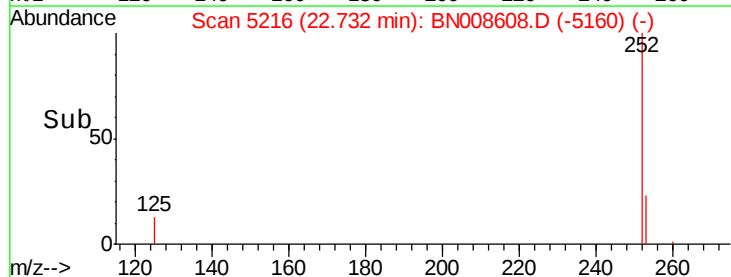
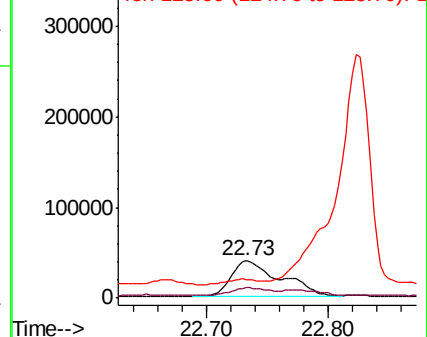
125 49.9 15.0 22.4#

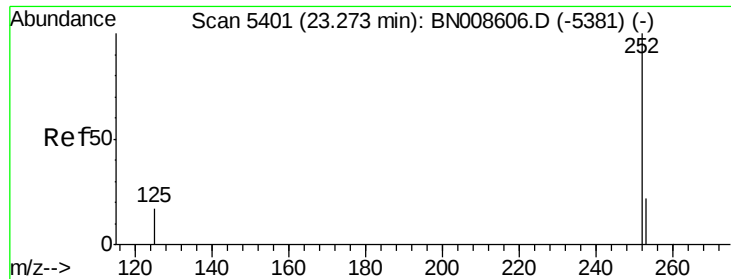


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.209 ng/u1

RT: 23.28 min Scan# 5404

Delta R.T. 0.01 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

Instrument :

BNA_N

ClientSampleId :

JLM81

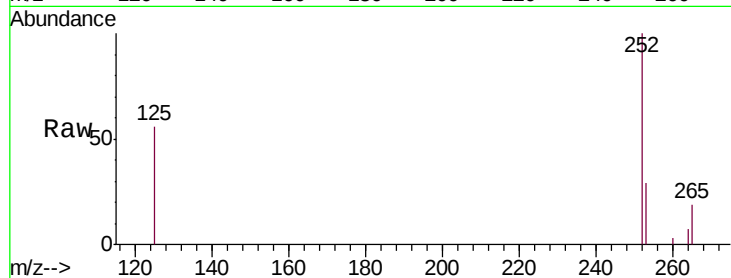
Tgt Ion:252 Resp: 49593

Ion Ratio Lower Upper

252 100

253 28.7 21.4 32.2

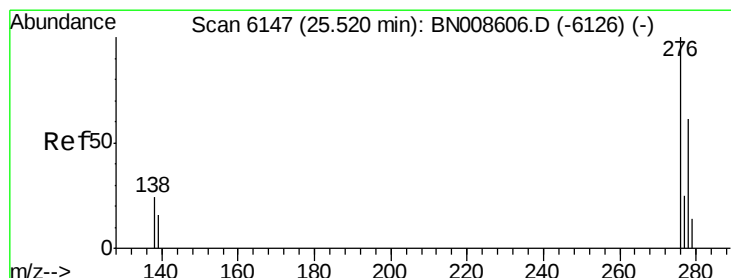
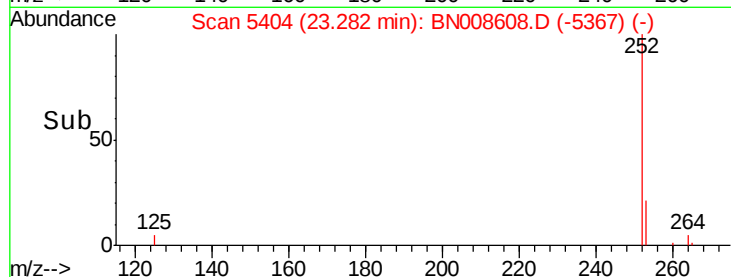
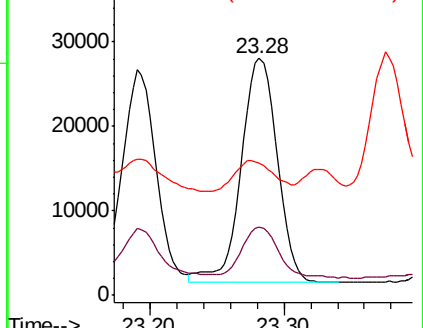
125 55.8 13.8 20.8#



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: 0.882 ng/u1

RT: 25.53 min Scan# 6151

Delta R.T. 0.01 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

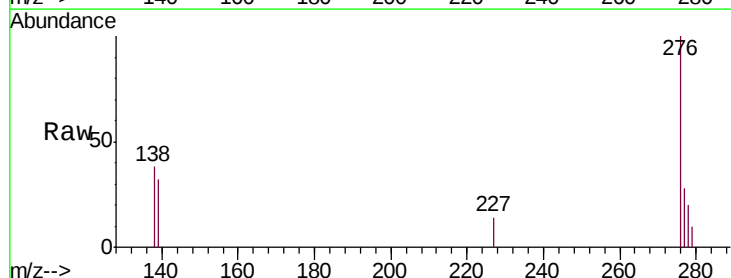
Tgt Ion:276 Resp: 42319

Ion Ratio Lower Upper

276 100

138 23.6 21.7 32.5

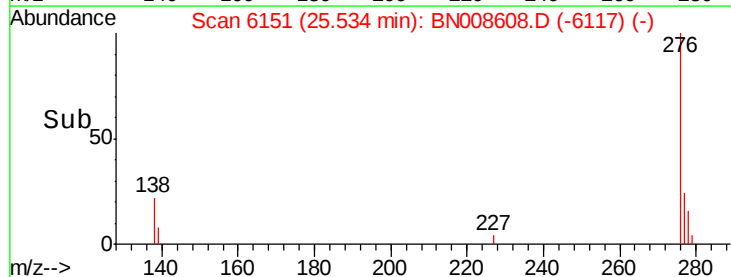
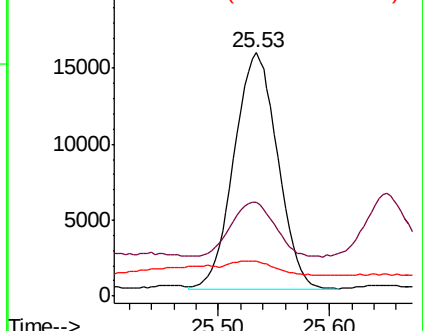
227 6.4 0.2 0.2#

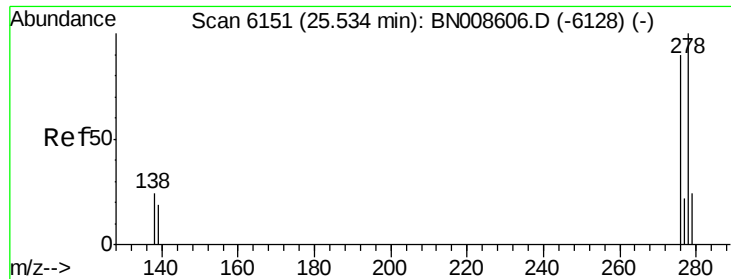


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.246 ng/ul

RT: 25.54 min Scan# 6154

Delta R.T. 0.01 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

Instrument :

BNA_N

ClientSampleId :

JLM81

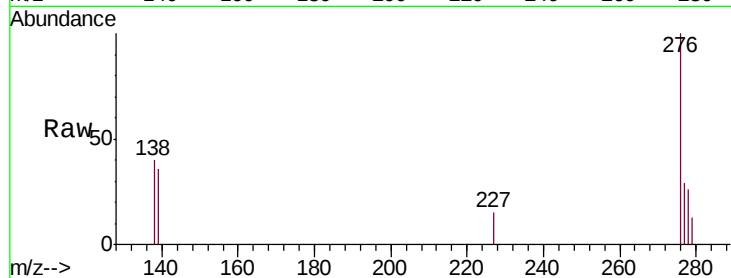
Tgt Ion:278 Resp: 9536

Ion Ratio Lower Upper

278 100

139 137.7 18.7 28.1#

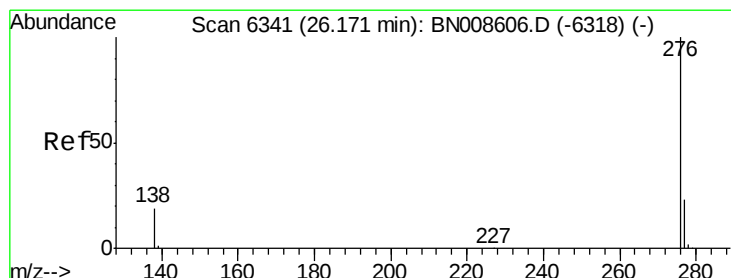
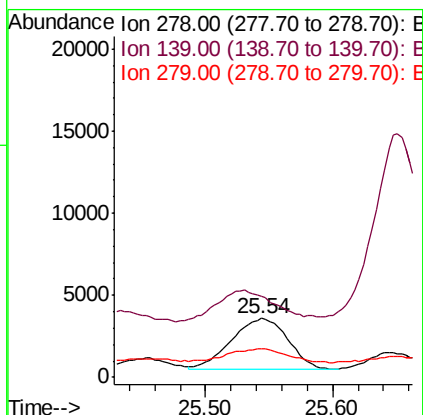
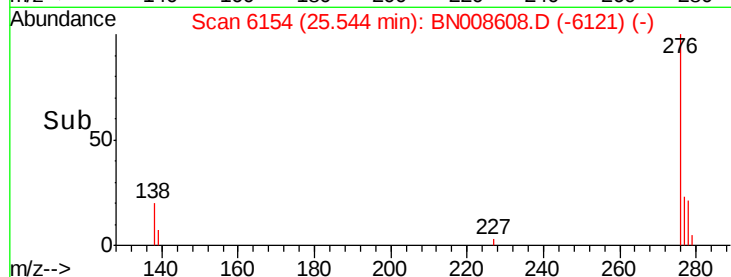
279 47.7 20.8 31.2#



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: 1.050 ng/ul

RT: 26.19 min Scan# 6348

Delta R.T. 0.02 min

Lab File: BN008608.D

Acq: 18 Nov 2019 17:43

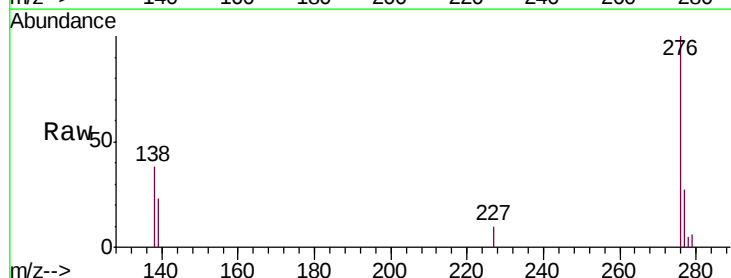
Tgt Ion:276 Resp: 42132

Ion Ratio Lower Upper

276 100

138 37.7 20.0 30.0#

277 27.2 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

