

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102819\
 Data File : BN008437.D
 Acq On : 28 Oct 2019 12:25
 Operator : JU
 Sample : K5308-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 X2J26

Quant Time: Oct 29 11:21:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 25 13:14:06 2019
 Response via : Initial Calibration

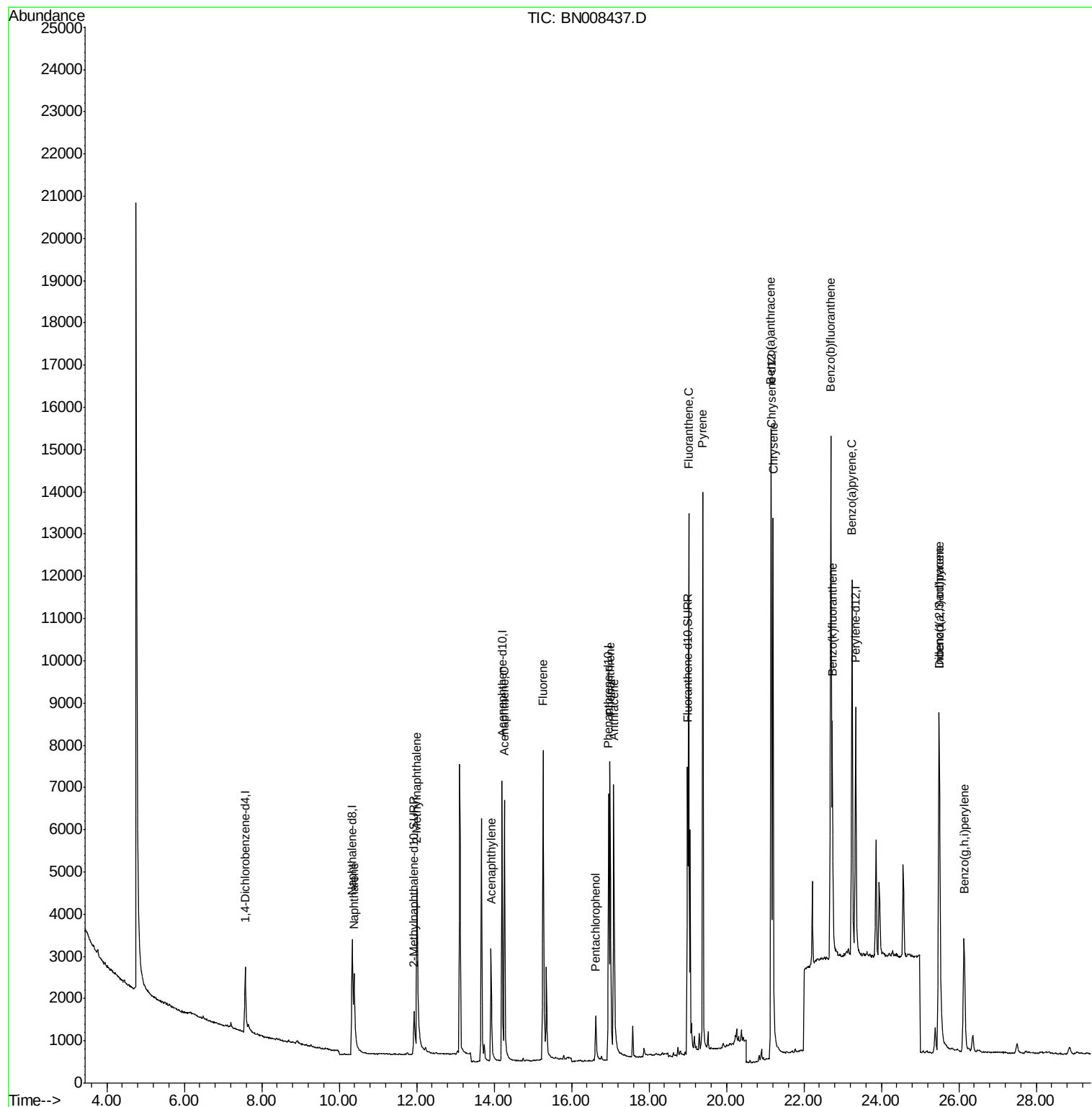
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1153	0.40	ng/ul	0.00
2) Naphthalene-d8	10.34	136	5750	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	4211	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	8842	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	8413	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	7721	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	2120	0.22	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	8051	0.26	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.38	128	3310	0.202	ng/ul#	93
5) 2-Methylnaphthalene	12.01	142	4615	0.411	ng/ul	99
7) Acenaphthylene	13.92	152	3914	0.195	ng/ul	97
8) Acenaphthene	14.26	153	4065	0.261	ng/ul	97
9) Fluorene	15.26	166	6454	0.364	ng/ul	97
11) Pentachlorophenol	16.62	266	1046	0.489	ng/ul	99
12) Phenanthrene	17.00	178	8500	0.328	ng/ul	99
13) Anthracene	17.09	178	9532	0.418	ng/ul	99
15) Fluoranthene	19.02	202	11721	0.343	ng/ul	96
17) Pyrene	19.39	202	11908	0.355	ng/ul	96
18) Benzo(a)anthracene	21.15	228	12417	0.406	ng/ul	99
19) Chrysene	21.20	228	13107	0.349	ng/ul	100
21) Benzo(b)fluoranthene	22.69	252	14062	0.559	ng/ul	88
22) Benzo(k)fluoranthene	22.73	252	7843	0.275	ng/ul#	90
23) Benzo(a)pyrene	23.24	252	9809	0.371	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.49	276	3420	0.110	ng/ul#	32
25) Dibenzo(a,h)anthracene	25.49	278	13968	0.567	ng/ul	97
26) Benzo(g,h,i)perylene	26.14	276	6073	0.213	ng/ul#	94

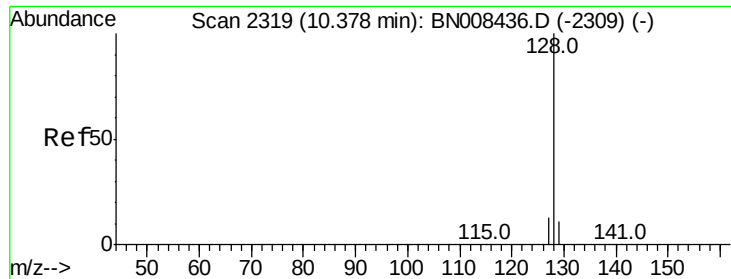
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.202 ng/ul

RT: 10.38 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

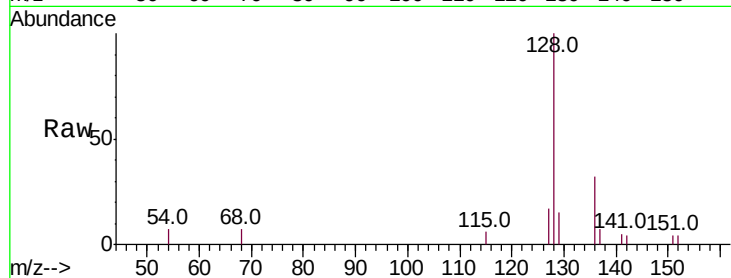
Tot Ion:128 Resp: 3310

Ion Ratio Lower Upper

128 100

129 14.8 9.8 14.8#

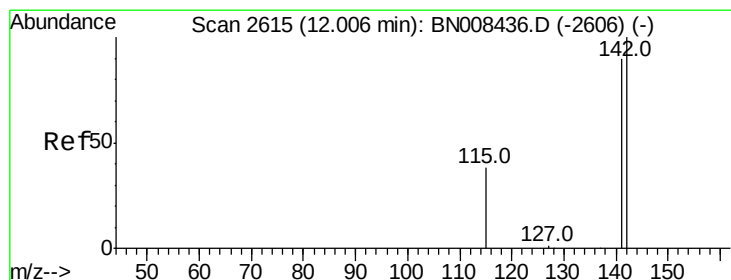
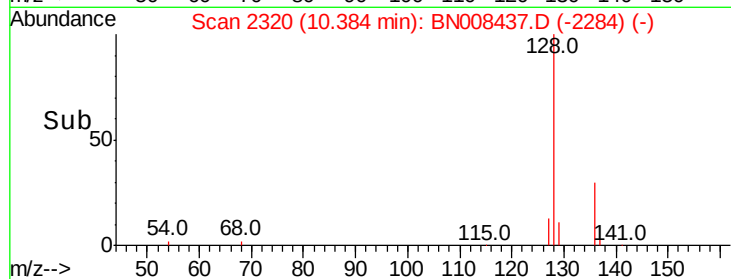
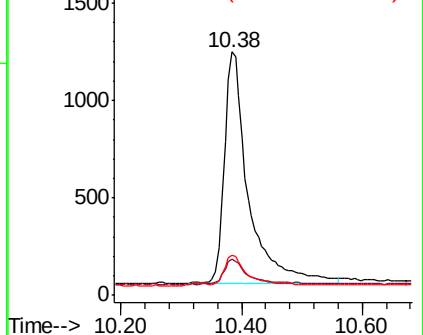
127 16.7 11.1 16.7#



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: 0.411 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BN008437.D

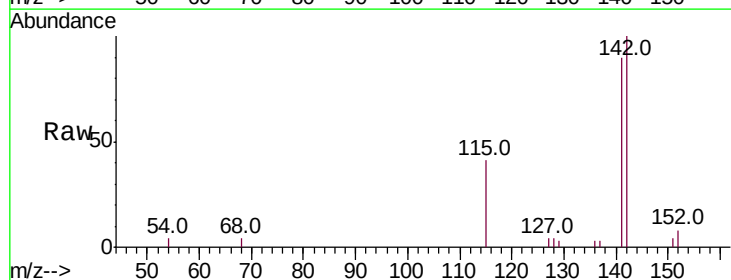
Acq: 28 Oct 2019 12:25

Tgt Ion:142 Resp: 4615

Ion Ratio Lower Upper

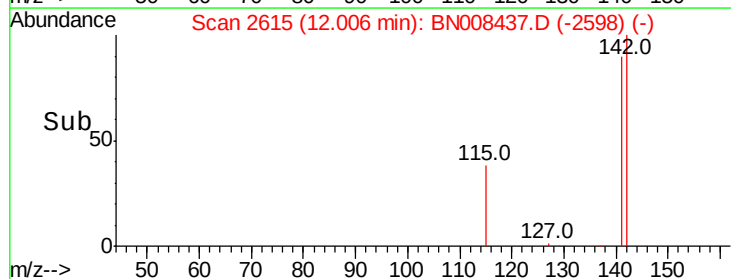
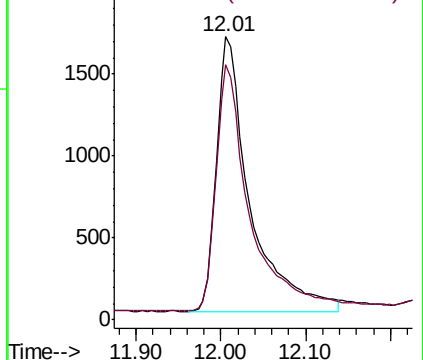
142 100

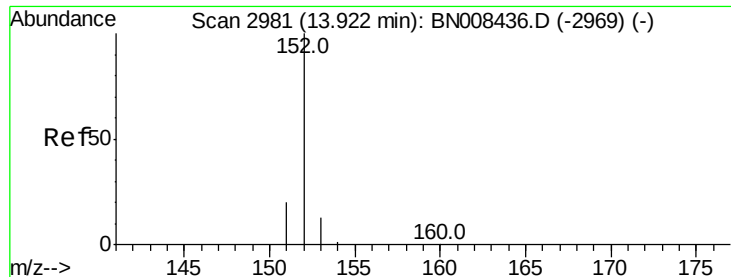
141 90.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.195 ng/ul

RT: 13.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampled :

X2J26

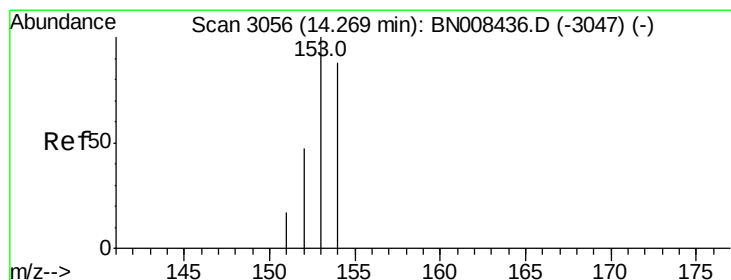
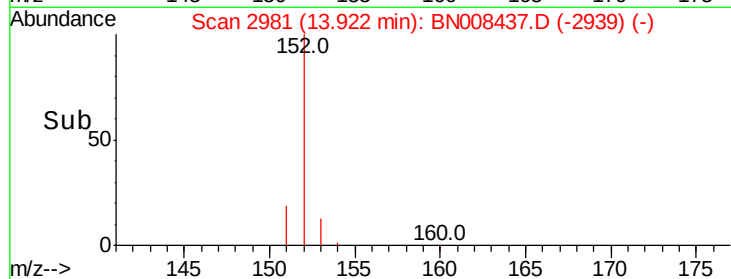
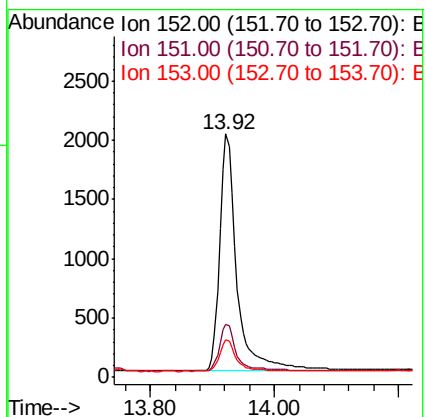
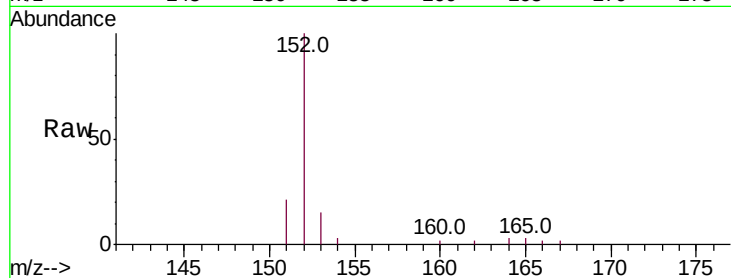
Tot Ion:152 Resp: 3914

Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.4

153 15.2 11.0 16.4



#8

Acenaphthene

Concen: 0.261 ng/ul

RT: 14.26 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

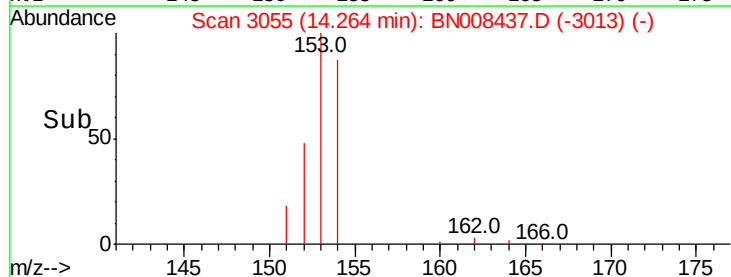
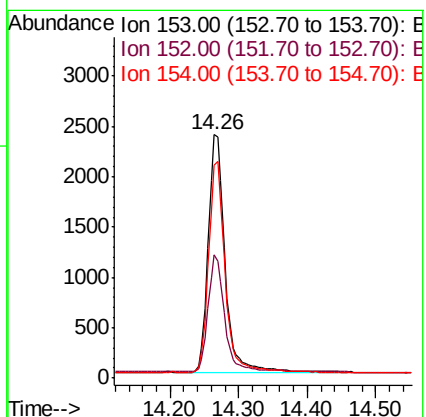
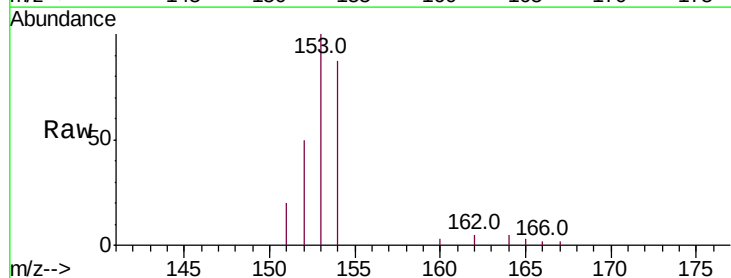
Tgt Ion:153 Resp: 4065

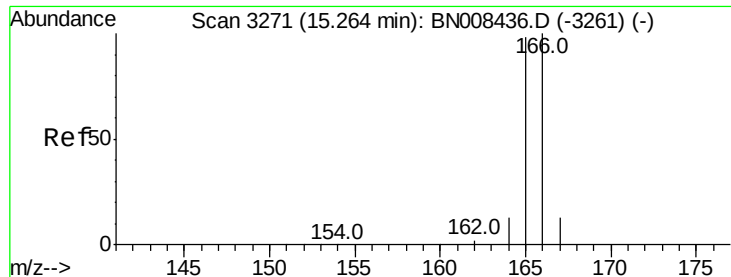
Ion Ratio Lower Upper

153 100

152 50.4 38.2 57.2

154 87.5 71.8 107.8





#9

Fluorene

Concen: 0.364 ng/ul

RT: 15.26 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

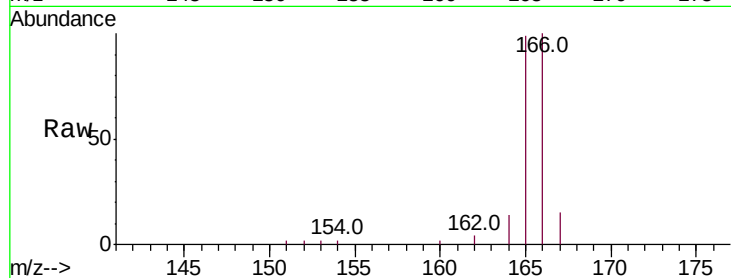
Tot Ion:166 Resp: 6454

Ion Ratio Lower Upper

166 100

165 99.0 76.6 115.0

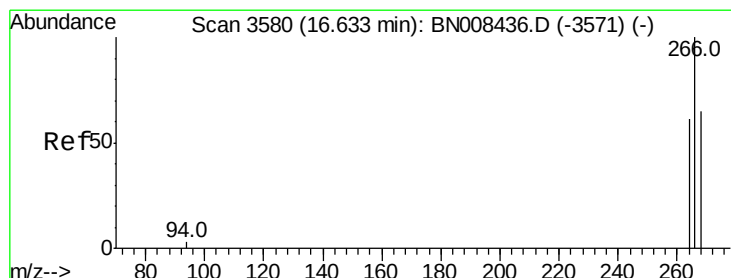
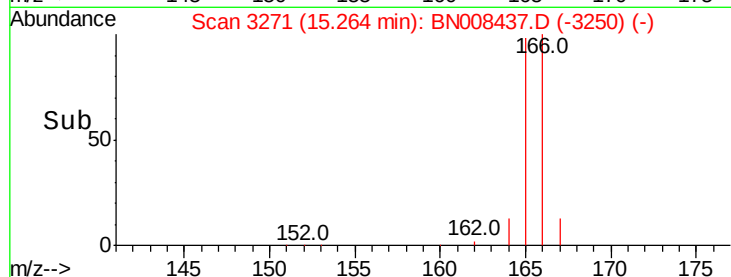
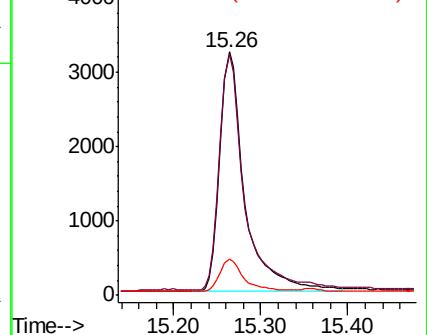
167 14.7 11.7 17.5



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: 0.489 ng/ul

RT: 16.62 min Scan# 3578

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

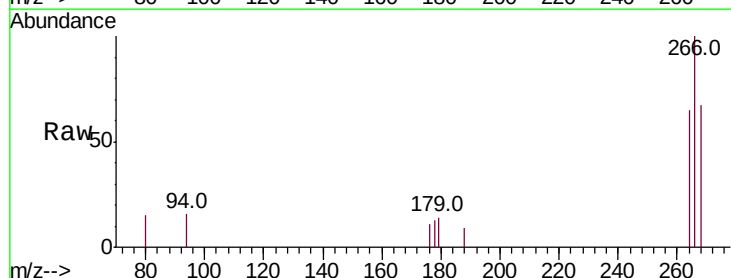
Tgt Ion:266 Resp: 1046

Ion Ratio Lower Upper

266 100

264 62.4 50.1 75.1

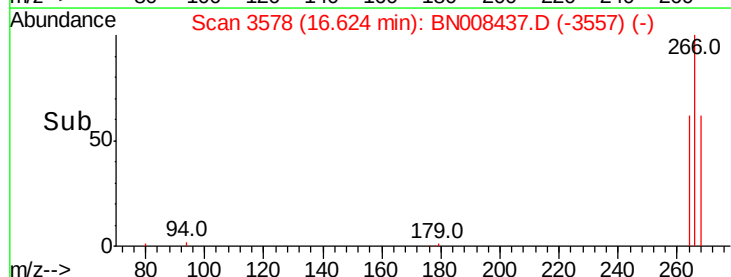
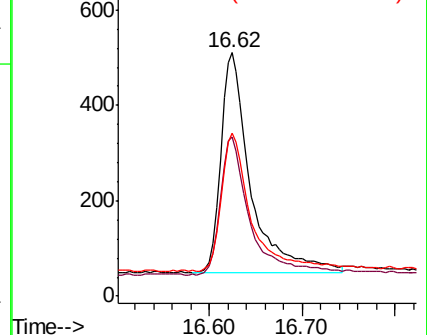
268 63.3 51.9 77.9

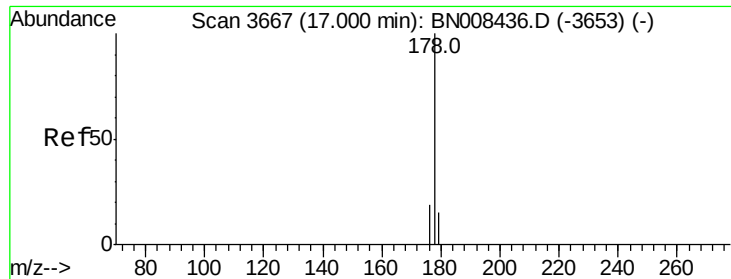


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.328 ng/ul

RT: 17.00 min Scan# 3666

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

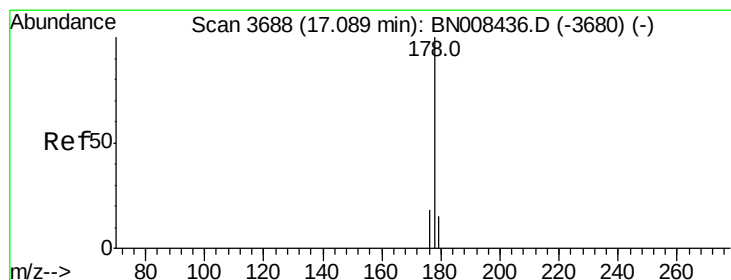
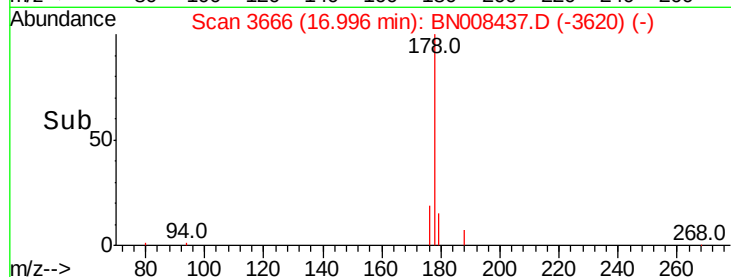
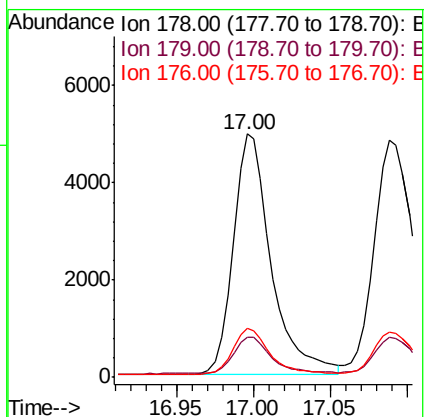
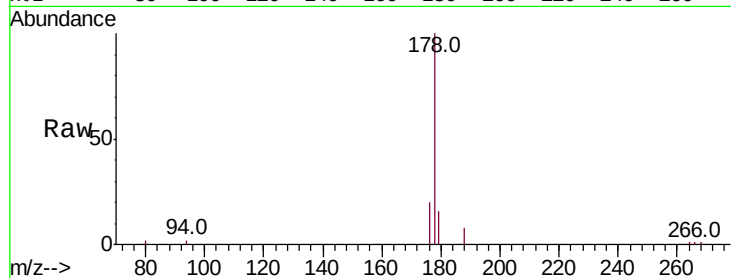
Tot Ion:178 Resp: 8500

Ion Ratio Lower Upper

178 100

179 16.4 12.8 19.2

176 20.0 15.4 23.2



#13

Anthracene

Concen: 0.418 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

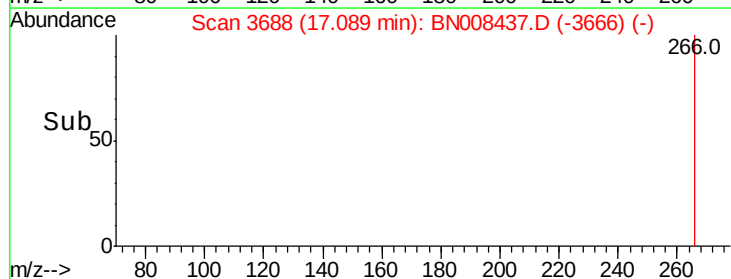
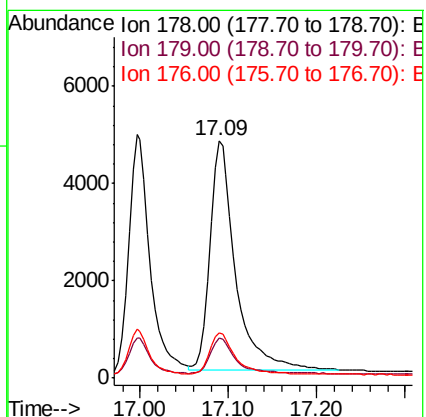
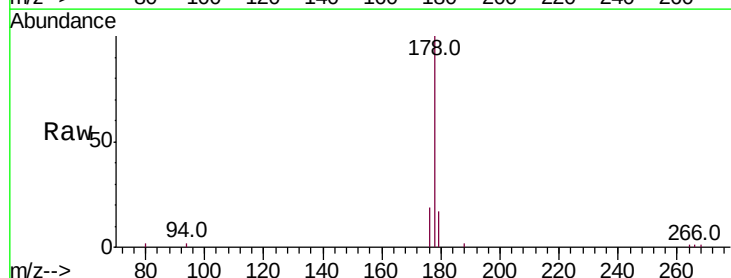
Tgt Ion:178 Resp: 9532

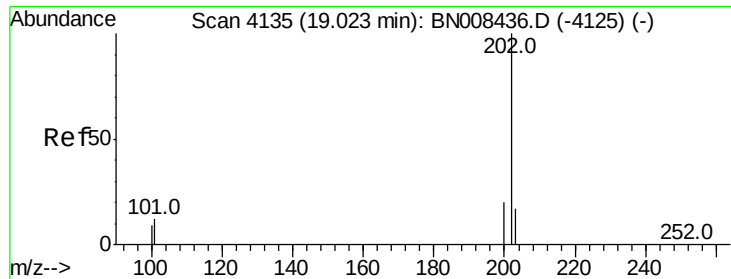
Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.6

176 19.2 15.0 22.6





#15

Fluoranthene

Concen: 0.343 ng/ul

RT: 19.02 min Scan# 4135

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

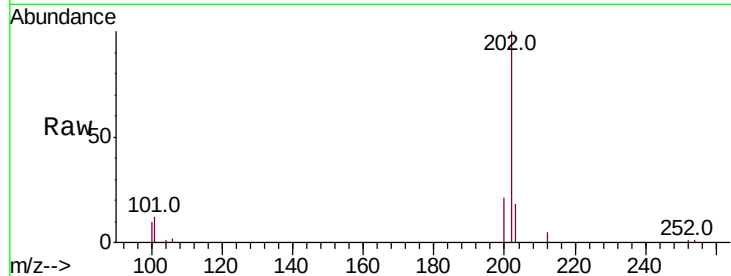
Tot Ion:202 Resp: 11721

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.2

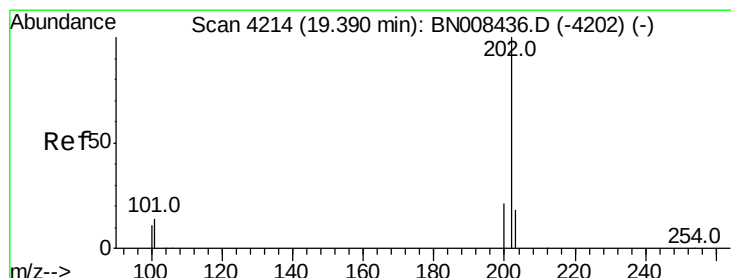
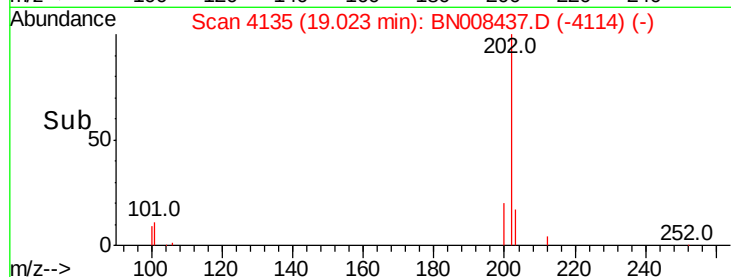
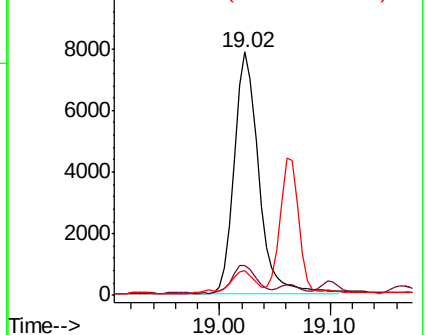
100 10.1 0.0 28.5



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: 0.355 ng/ul

RT: 19.39 min Scan# 4213

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

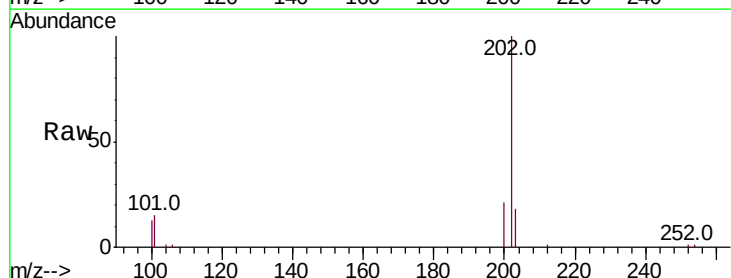
Tgt Ion:202 Resp: 11908

Ion Ratio Lower Upper

202 100

101 15.4 10.9 16.3

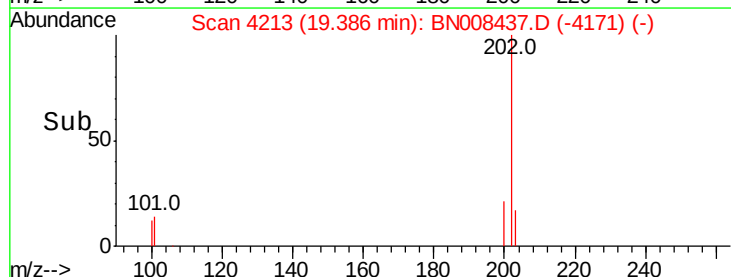
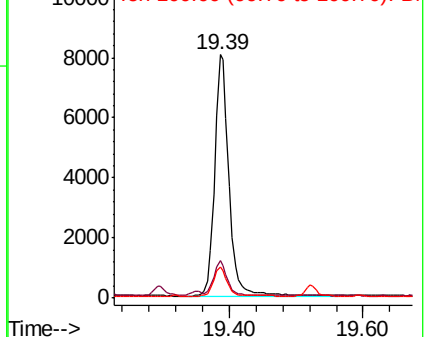
100 12.6 8.7 13.1

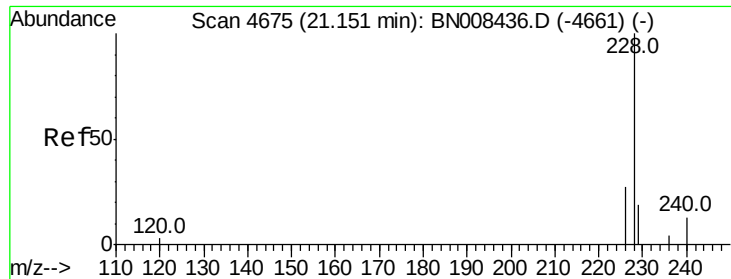


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.406 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

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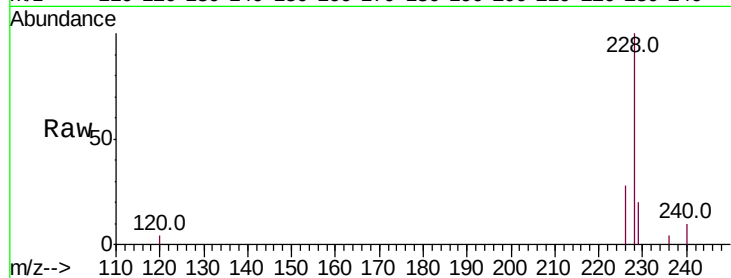
Tot Ion:228 Resp: 12417

Ion Ratio Lower Upper

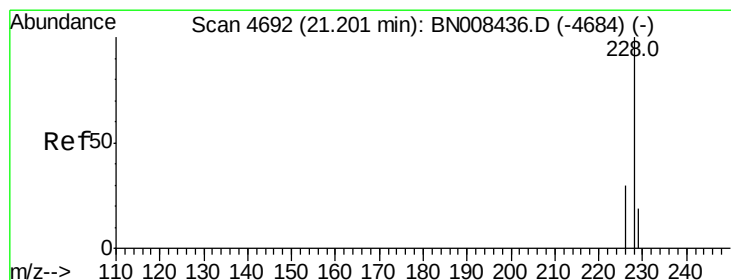
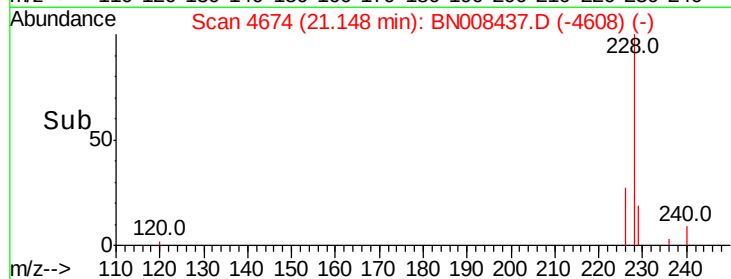
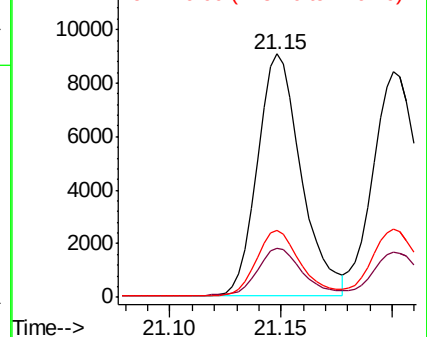
228 100

229 20.1 16.2 24.2

226 27.5 21.4 32.0



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: 0.349 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

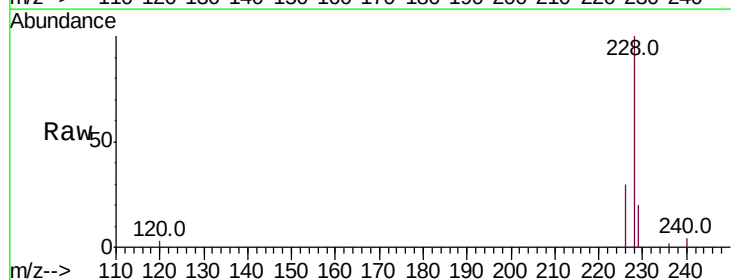
Tgt Ion:228 Resp: 13107

Ion Ratio Lower Upper

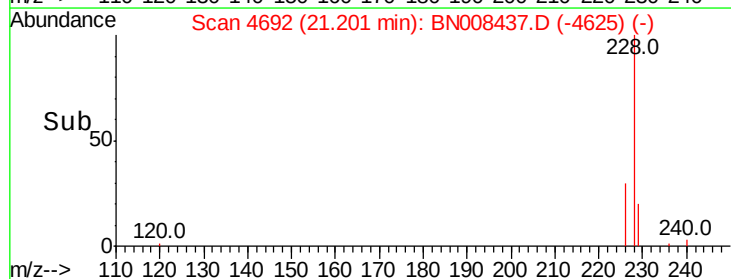
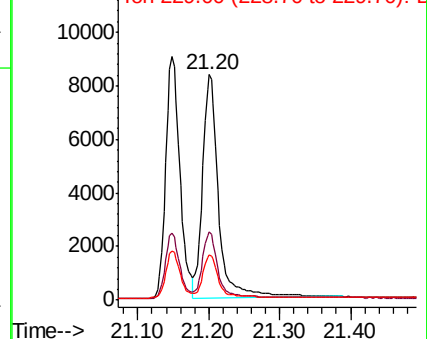
228 100

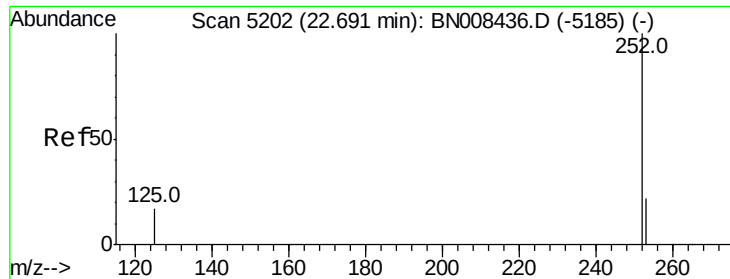
226 30.1 24.1 36.1

229 20.3 16.2 24.2



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: 0.559 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

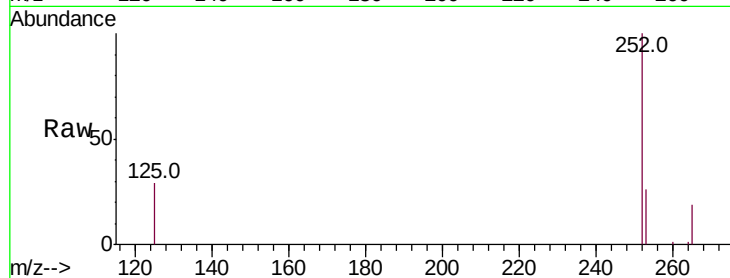
Tot Ion:252 Resp: 14062

Ion Ratio Lower Upper

252 100

253 26.1 0.0 53.4

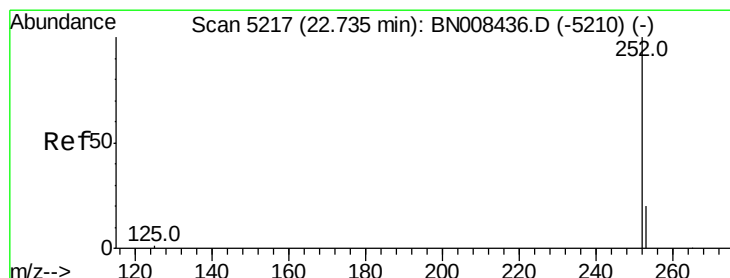
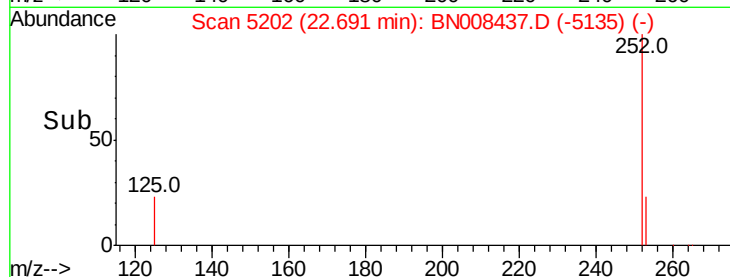
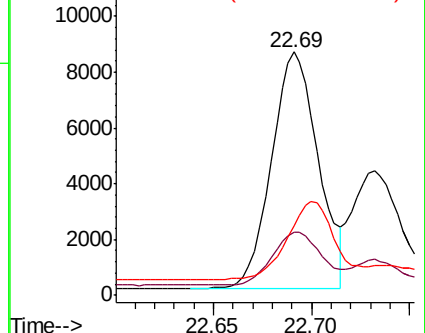
125 28.6 0.0 32.4



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



#22

Benzo(k)fluoranthene

Concen: 0.275 ng/ul

RT: 22.73 min Scan# 5216

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

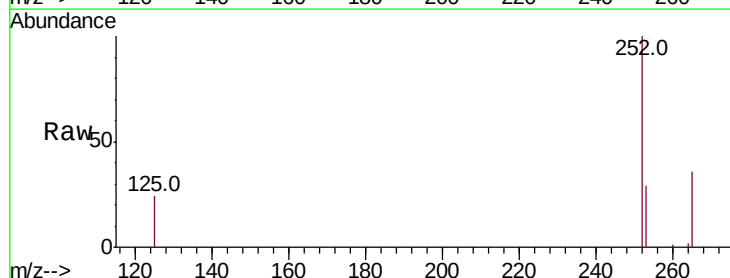
Tgt Ion:252 Resp: 7843

Ion Ratio Lower Upper

252 100

253 28.7 21.3 31.9

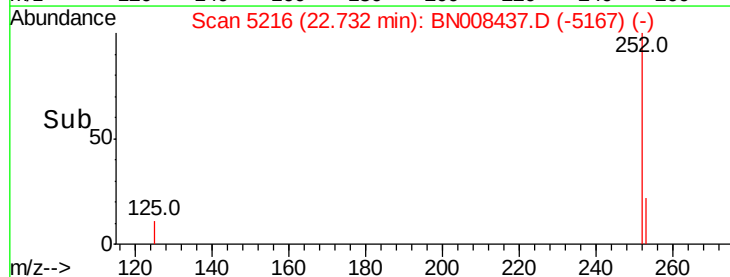
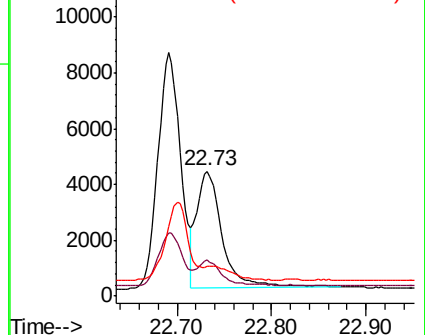
125 23.6 12.3 18.5#

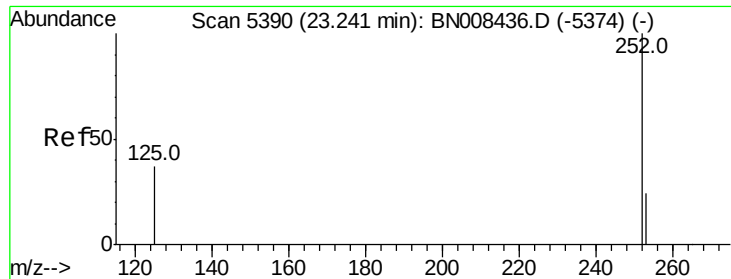


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.371 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

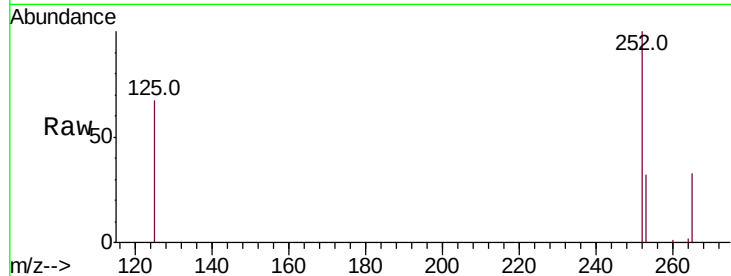
Tot Ion:252 Resp: 9809

Ion Ratio Lower Upper

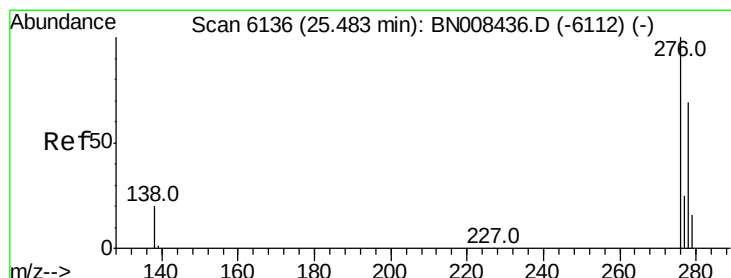
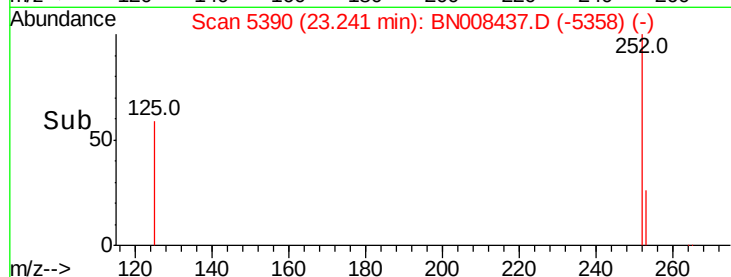
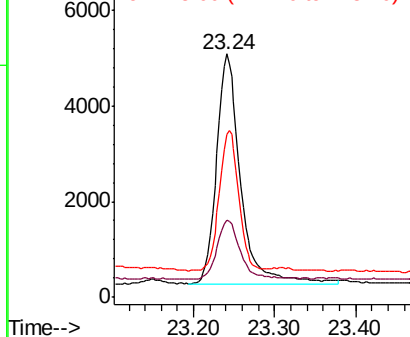
252 100

253 32.0 22.8 34.2

125 66.9 18.4 27.6#



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: 0.110 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. 0.00 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

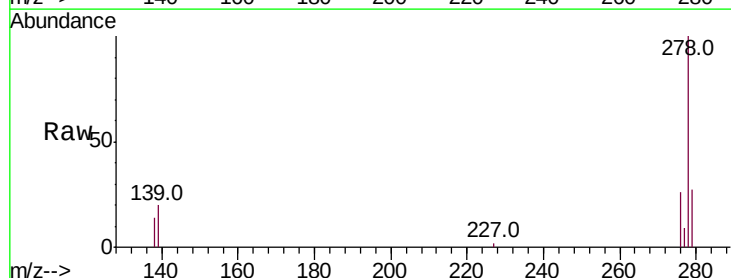
Tgt Ion:276 Resp: 3420

Ion Ratio Lower Upper

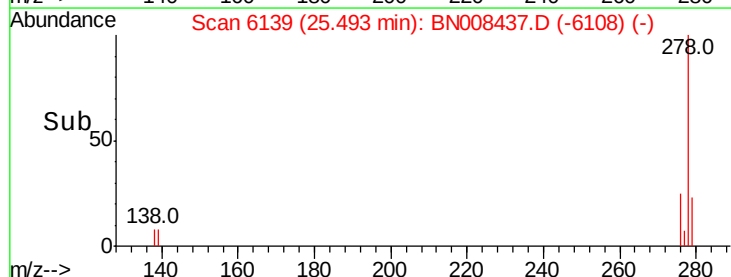
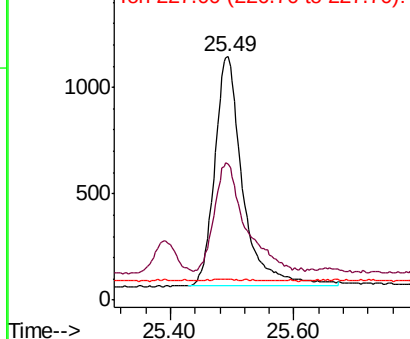
276 100

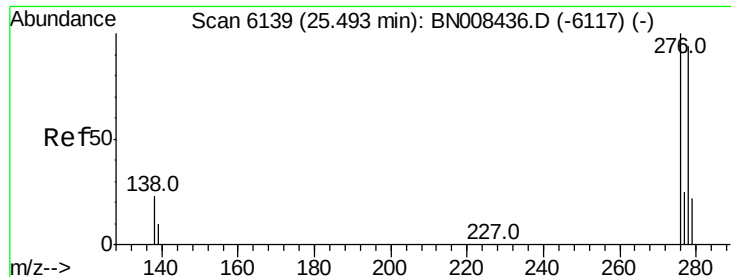
138 51.7 16.1 24.1#

227 0.6 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: 0.567 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

Instrument :

BNA_N

ClientSampleId :

X2J26

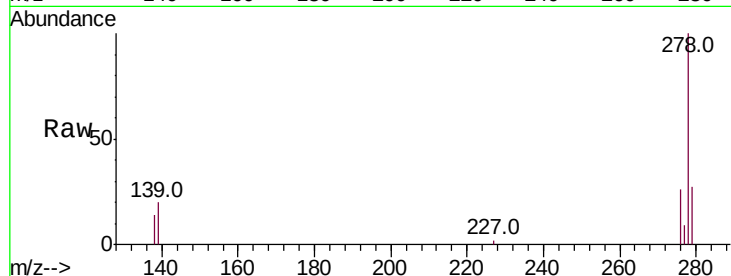
Tot Ion:278 Resp: 13968

Ion Ratio Lower Upper

278 100

139 19.9 15.0 22.6

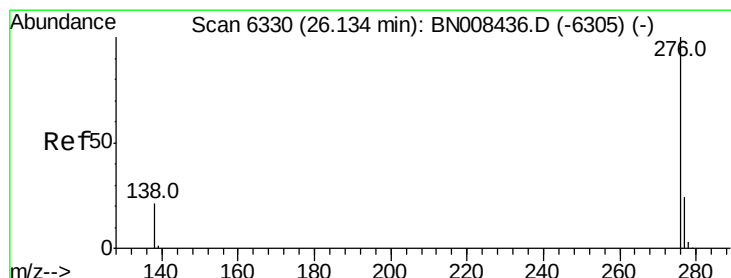
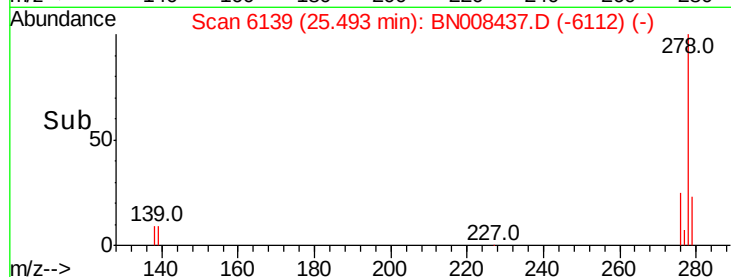
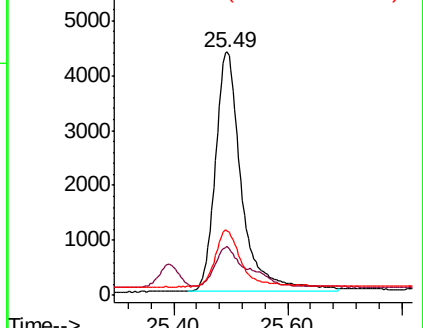
279 26.5 22.4 33.6



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: 0.213 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.01 min

Lab File: BN008437.D

Acq: 28 Oct 2019 12:25

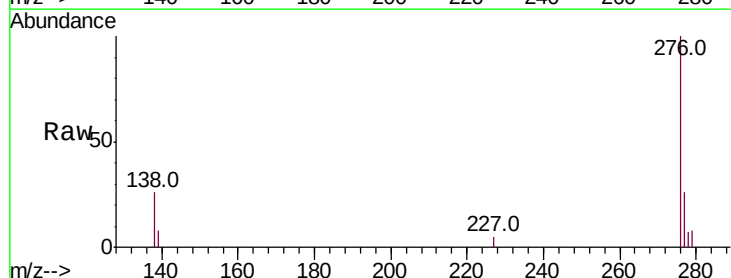
Tgt Ion:276 Resp: 6073

Ion Ratio Lower Upper

276 100

138 26.5 17.0 25.4#

277 26.5 20.4 30.6



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

