

Data File : BN008681.D
Acq On : 21 Nov 2019 17:28
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.418

Quant Time: Nov 22 06:28:07 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 : Wed Nov 20 04:45:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3320	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.37	136	11446	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.23	164	6894	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.97	188	13443	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	11769	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	12284	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	7088	0.38	ng/ul	-0.01
14) Fluoranthene-d10	19.01	212	16358	0.40	ng/ul	0.00

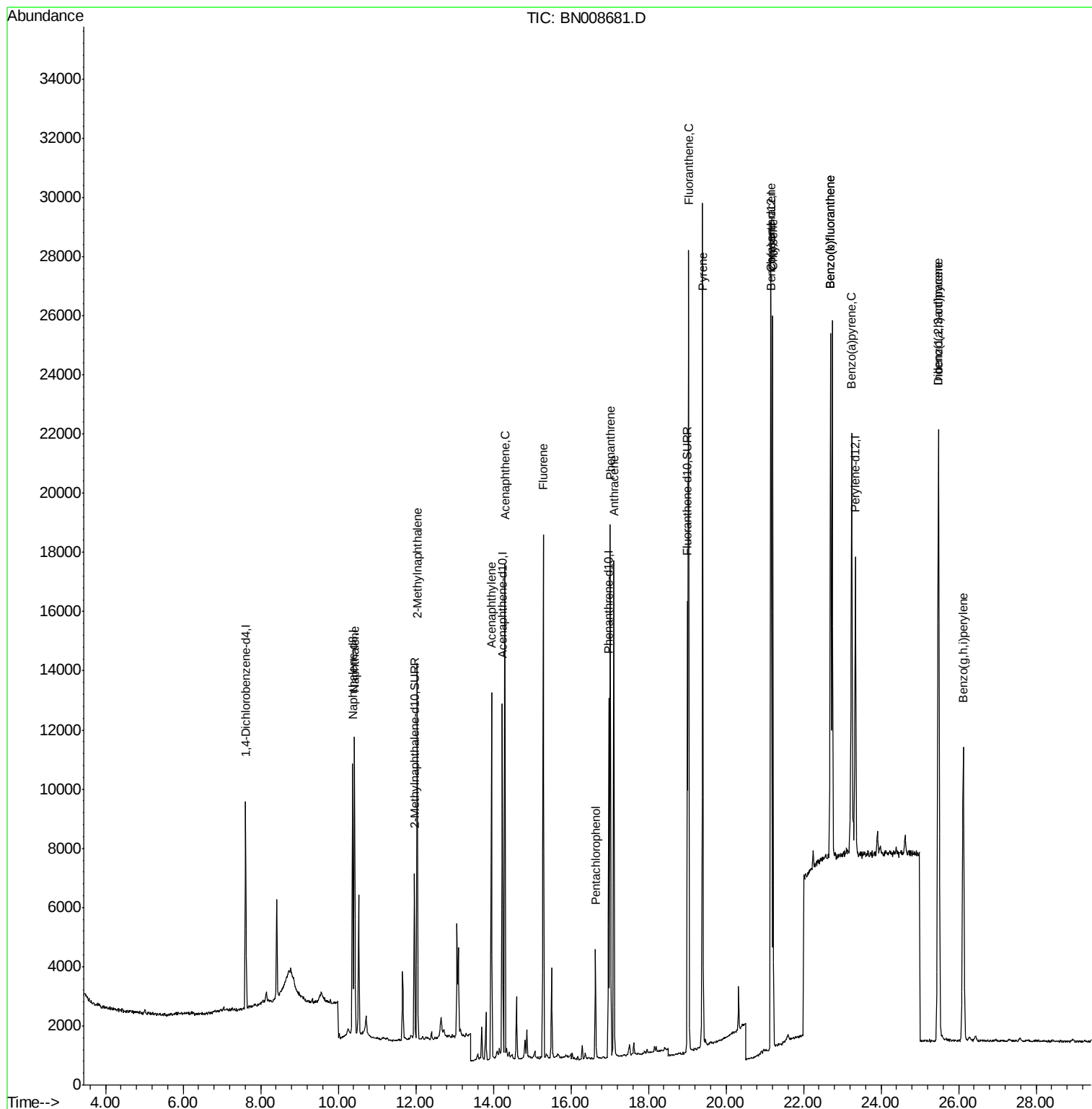
Target Compounds						Qvalue
3) Naphthalene	10.42	128	13502	0.391	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	9148	0.380	ng/ul	99
7) Acenaphthylene	13.95	152	13410	0.352	ng/ul	99
8) Acenaphthene	14.30	153	9448	0.334	ng/ul	98
9) Fluorene	15.29	166	10992	0.331	ng/ul	99
11) Pentachlorophenol	16.63	266	2341	0.460	ng/ul	99
12) Phenanthrene	17.02	178	18220	0.402	ng/ul	99
13) Anthracene	17.11	178	17508	0.409	ng/ul	99
15) Fluoranthene	19.04	202	21807	0.392	ng/ul	91
17) Pyrene	19.40	202	22423	0.475	ng/ul	96
18) Benzo(a)anthracene	21.15	228	21301	0.450	ng/ul	99
19) Chrysene	21.21	228	20223	0.435	ng/ul	99
21) Benzo(b)fluoranthene	22.69	252	20471	0.404	ng/ul	93
22) Benzo(k)fluoranthene	22.69	252	20471	0.407	ng/ul	97
23) Benzo(a)pyrene	23.24	252	19115	0.402	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.47	276	21823	0.392	ng/ul	95
25) Dibenzo(a,h)anthracene	25.49	278	17664	0.393	ng/ul	99
26) Benzo(g,h,i)perylene	26.12	276	18526	0.398	ng/ul	96

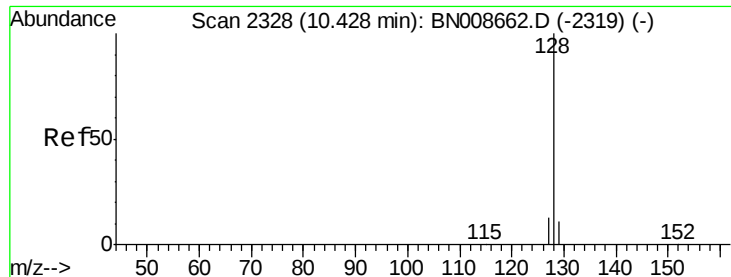
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 06:28:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 20 04:45:41 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.391 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.02 min

Lab File: BN008681.D

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Instrument :

BNA_N

ClientSampleId :

SSTD0.418

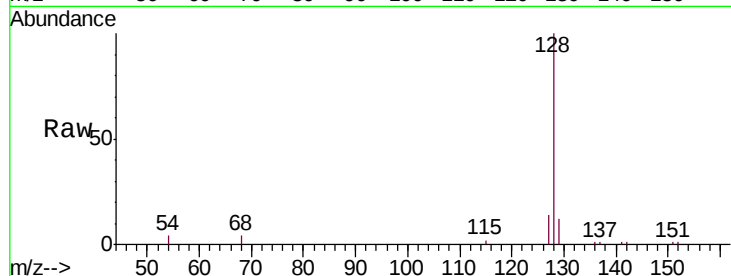
Tgt Ion:128 Resp: 13502

Ion Ratio Lower Upper

128 100

129 11.9 9.7 14.5

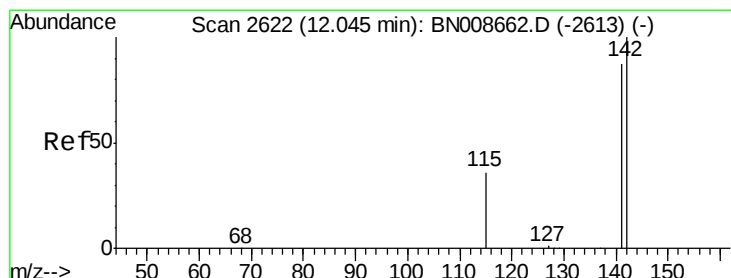
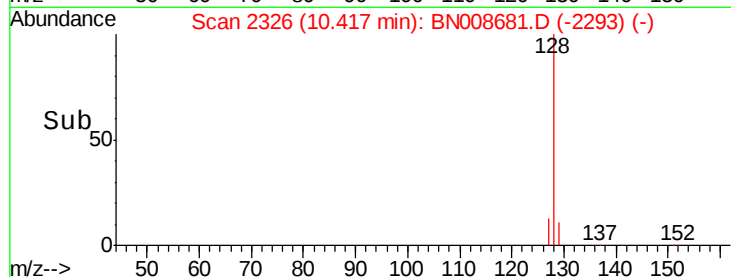
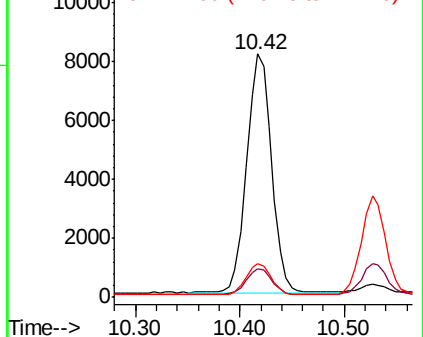
127 14.0 10.8 16.2



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: 0.380 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BN008681.D

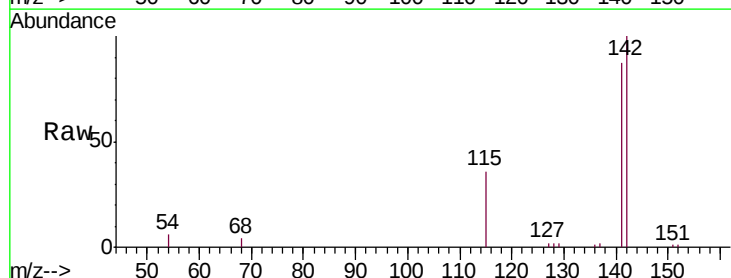
Acq: 21 Nov 2019 17:28

Tgt Ion:142 Resp: 9148

Ion Ratio Lower Upper

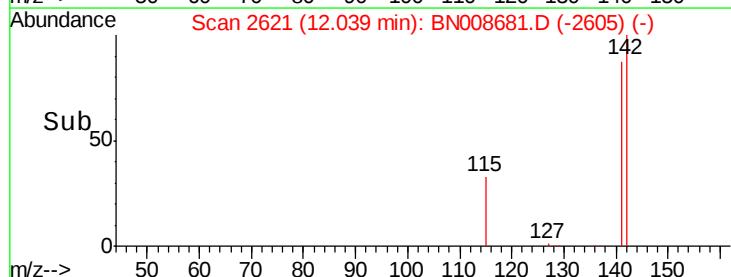
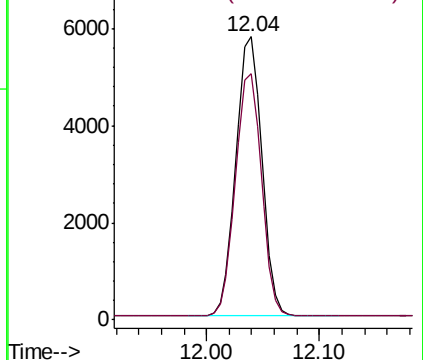
142 100

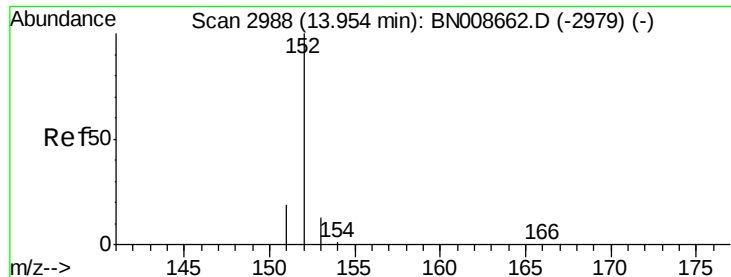
141 87.3 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.352 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

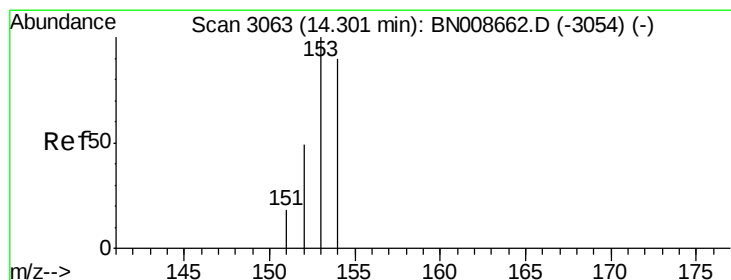
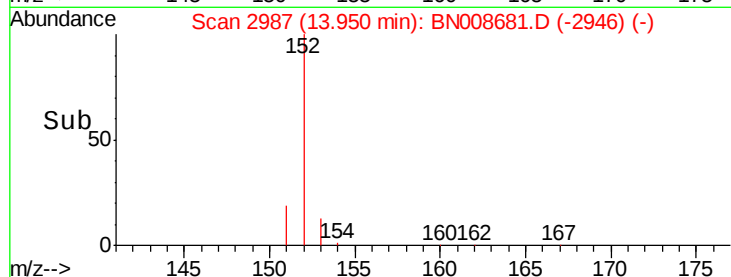
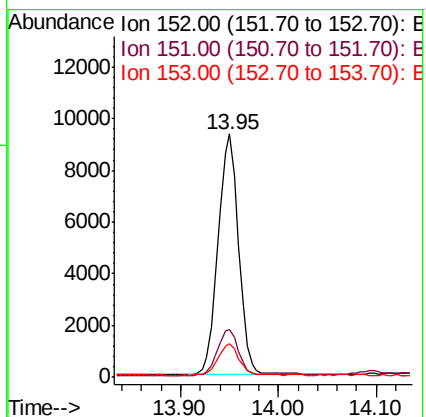
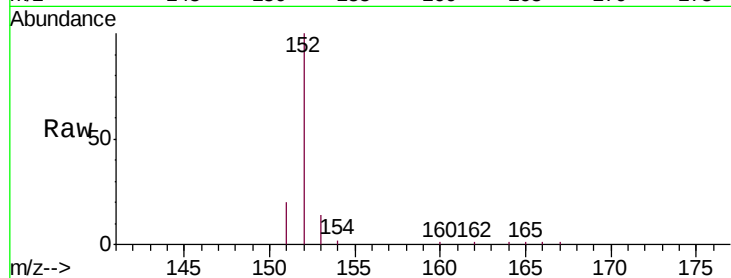
Tgt Ion:152 Resp: 13410

Ion Ratio Lower Upper

152 100

151 19.9 16.6 24.8

153 13.7 11.1 16.7



#8

Acenaphthene

Concen: 0.334 ng/ul

RT: 14.30 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

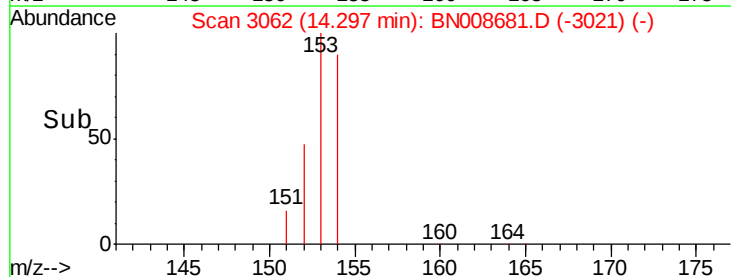
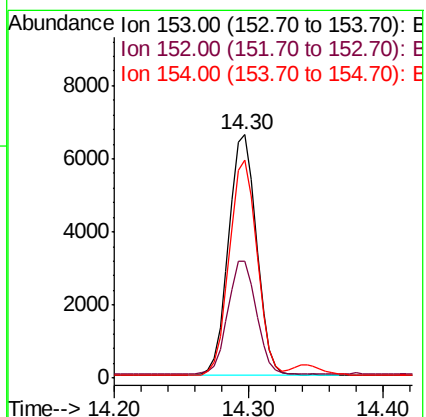
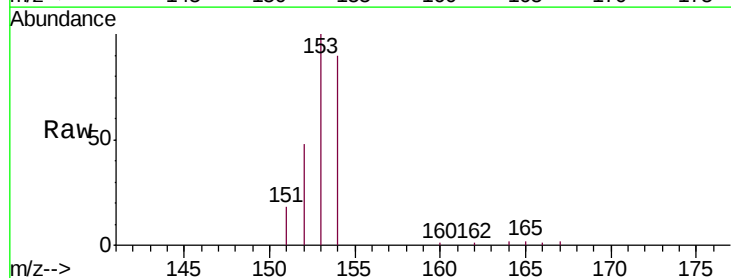
Tgt Ion:153 Resp: 9448

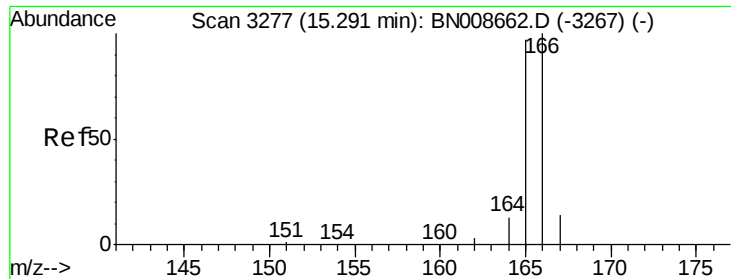
Ion Ratio Lower Upper

153 100

152 48.0 39.6 59.4

154 89.7 70.6 106.0





#9

Fluorene

Concen: 0.331 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

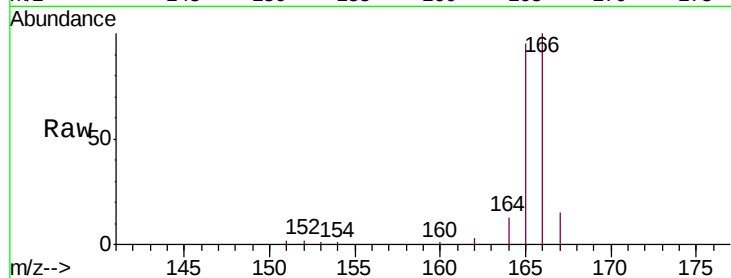
Tgt Ion:166 Resp: 10992

Ion Ratio Lower Upper

166 100

165 95.4 77.4 116.0

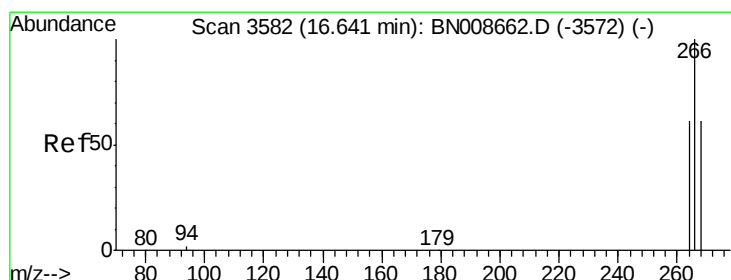
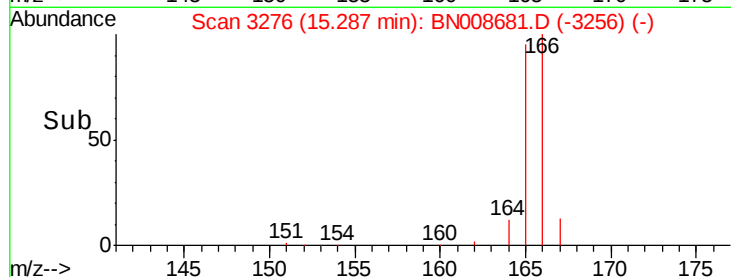
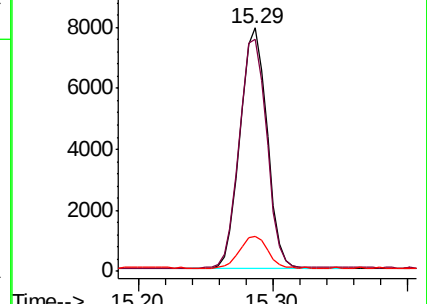
167 14.5 11.4 17.0



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: 0.460 ng/ul

RT: 16.63 min Scan# 3580

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

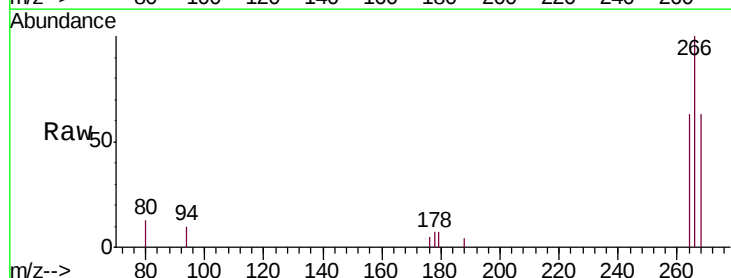
Tgt Ion:266 Resp: 2341

Ion Ratio Lower Upper

266 100

264 63.4 49.2 73.8

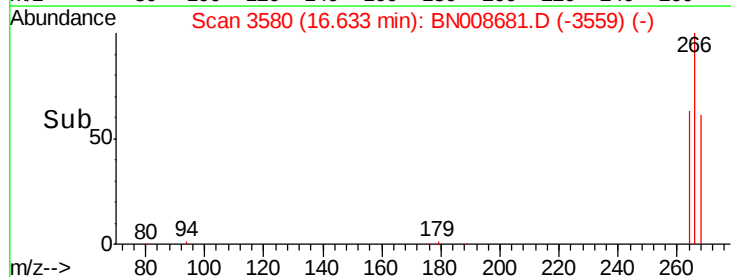
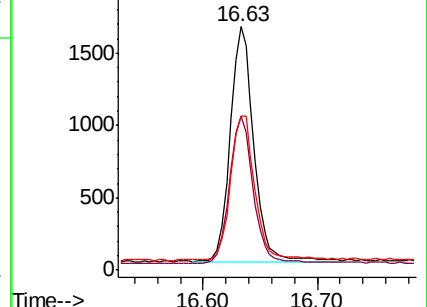
268 63.9 50.9 76.3

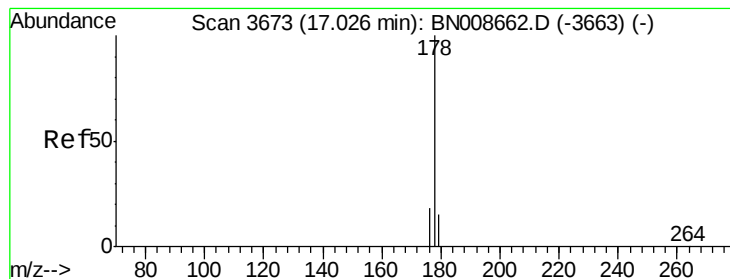


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.402 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

Instrument :

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ClientSampleId :

SSTD0.418

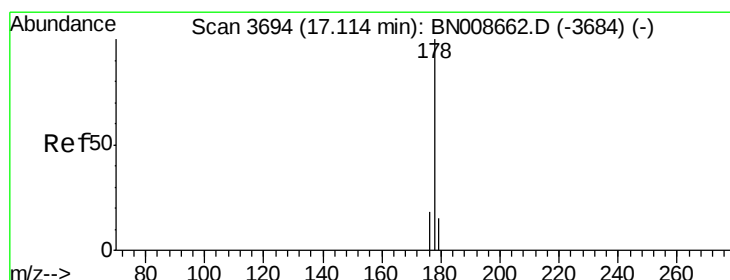
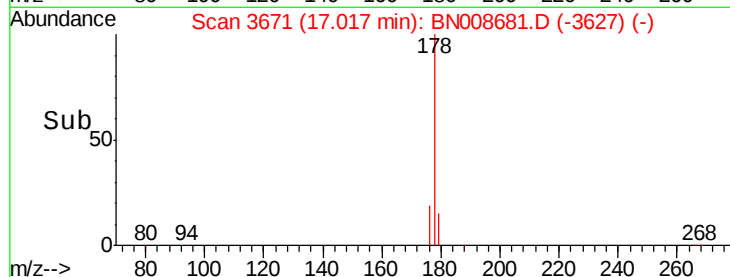
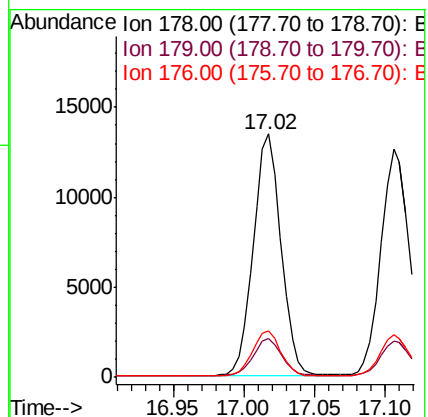
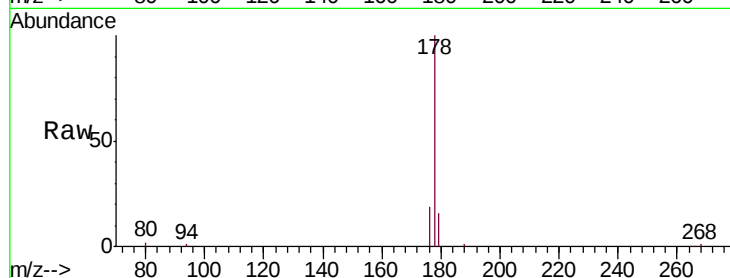
Tgt Ion:178 Resp: 18220

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

176 19.3 16.0 24.0



#13

Anthracene

Concen: 0.409 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

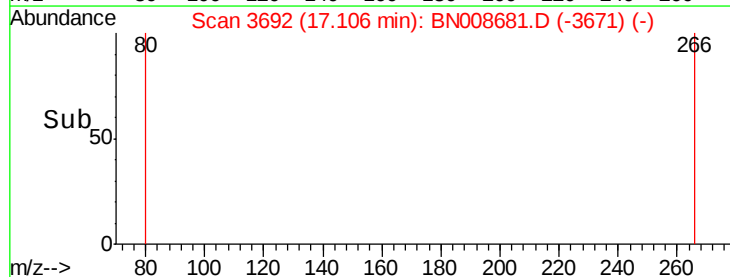
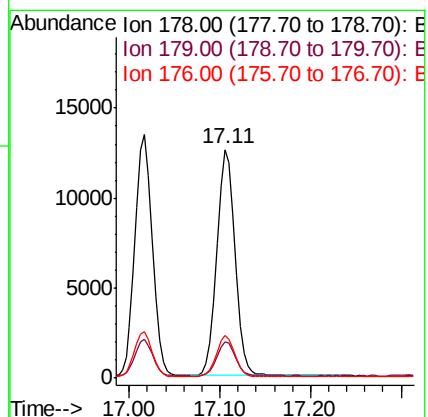
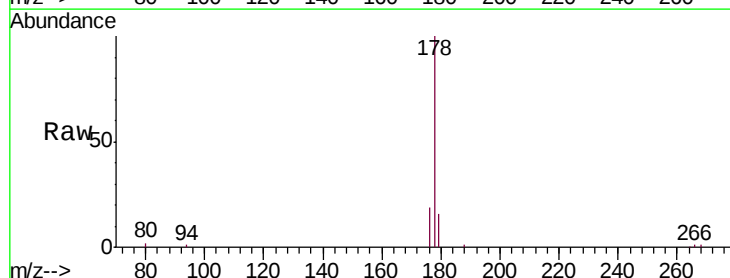
Tgt Ion:178 Resp: 17508

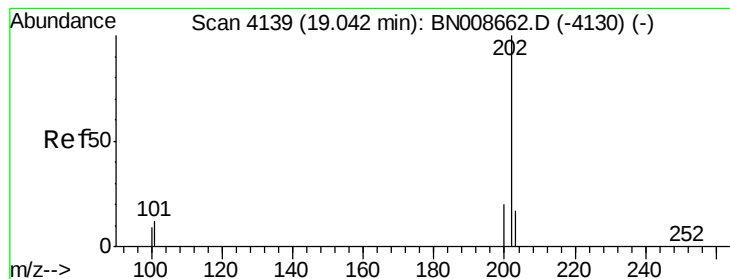
Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.4

176 18.6 15.3 22.9





#15

Fluoranthene

Concen: 0.392 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

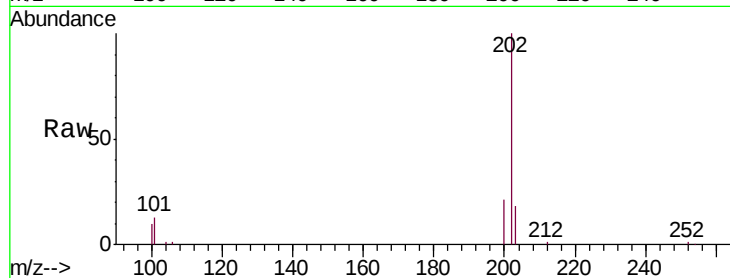
Tgt Ion:202 Resp: 21807

Ion Ratio Lower Upper

202 100

101 13.1 0.0 29.6

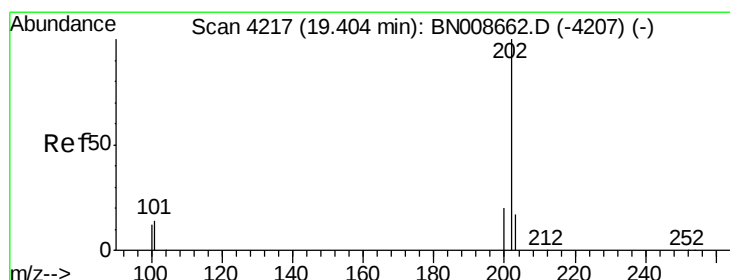
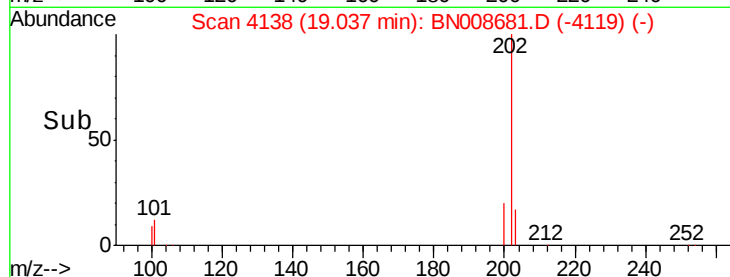
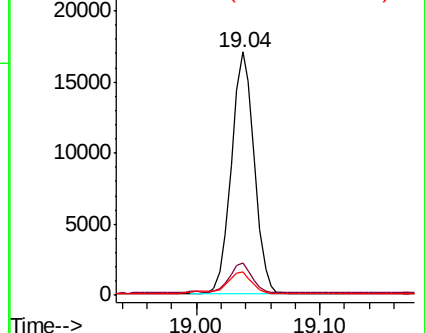
100 9.5 0.0 27.0



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: 0.475 ng/ul

RT: 19.40 min Scan# 4216

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

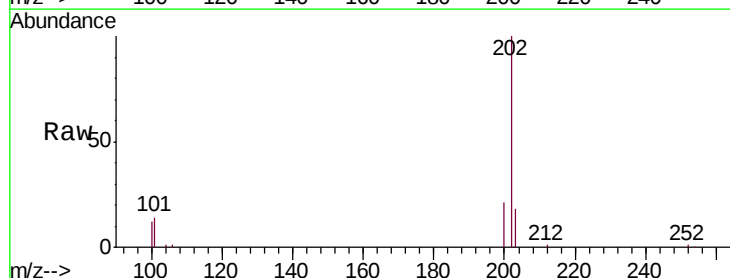
Tgt Ion:202 Resp: 22423

Ion Ratio Lower Upper

202 100

101 14.4 10.2 15.2

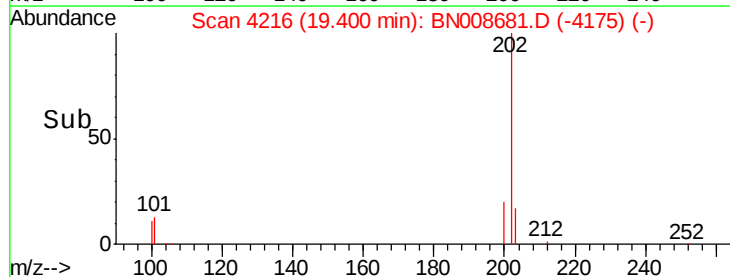
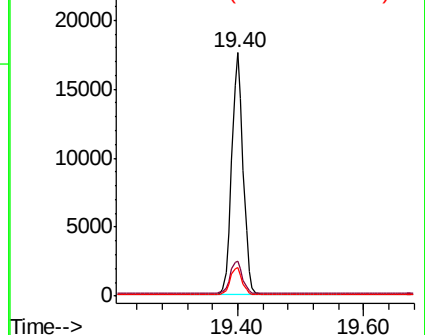
100 11.5 8.2 12.2

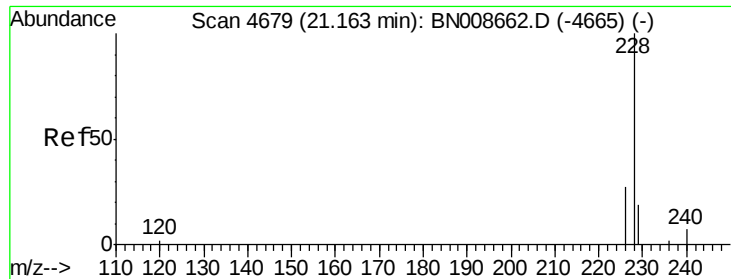


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.450 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

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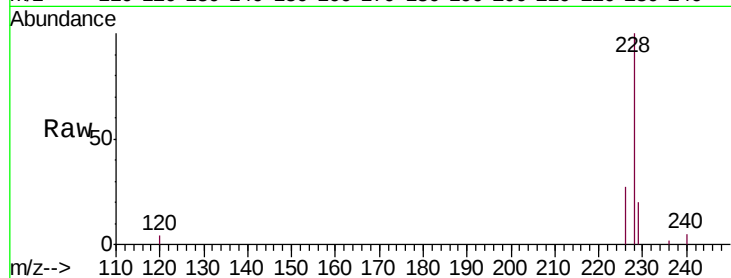
Tgt Ion:228 Resp: 21301

Ion Ratio Lower Upper

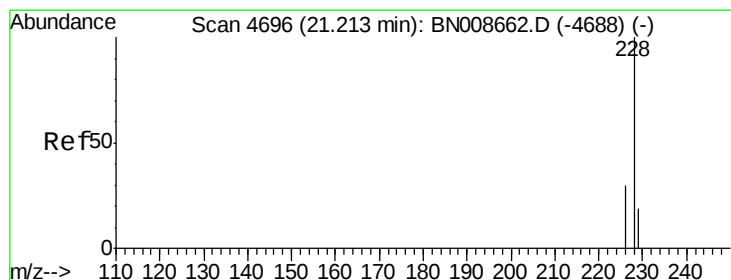
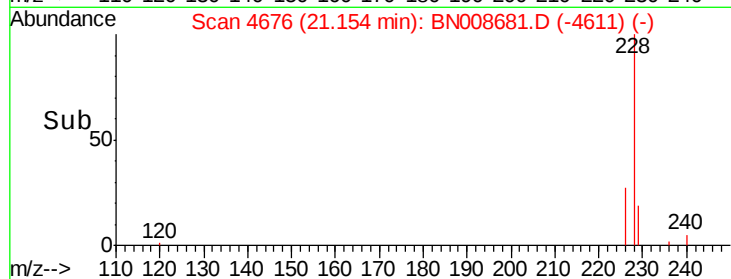
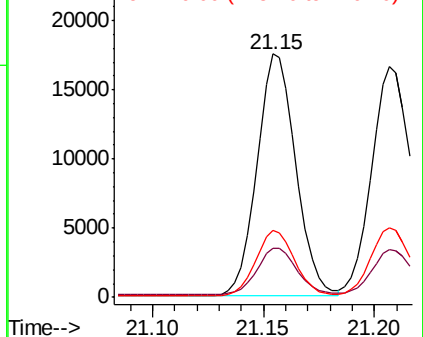
228 100

229 20.4 15.8 23.6

226 27.5 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: 0.435 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

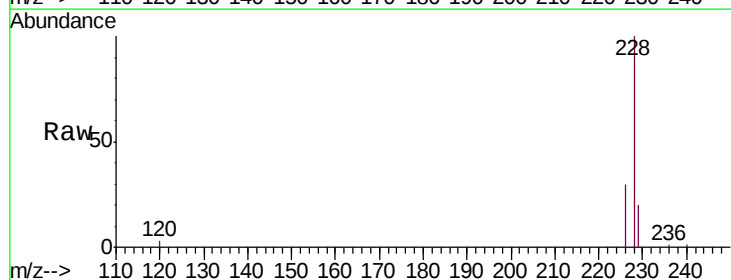
Tgt Ion:228 Resp: 20223

Ion Ratio Lower Upper

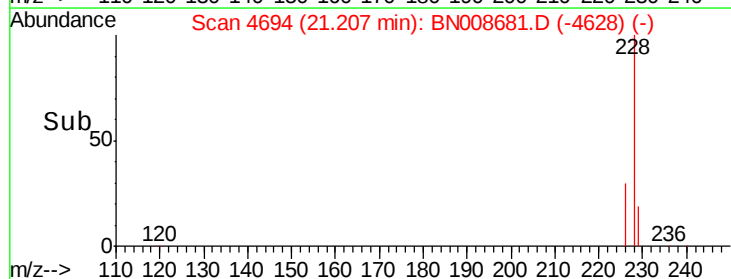
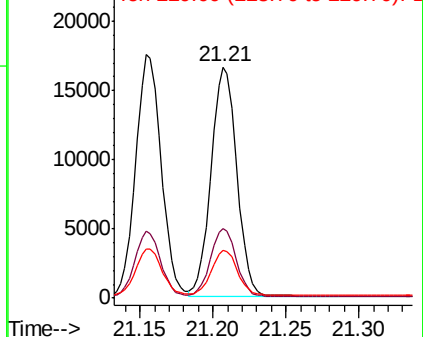
228 100

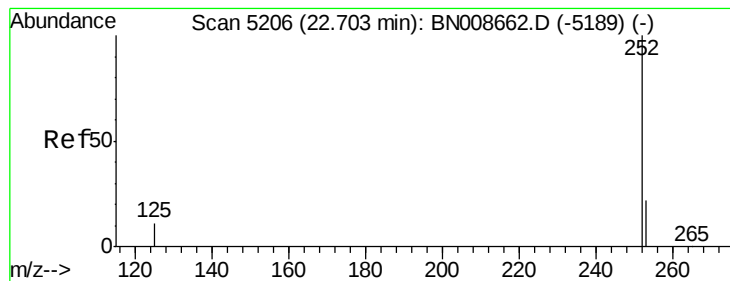
226 30.2 24.5 36.7

229 20.5 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: 0.404 ng/ul

RT: 22.69 min Scan# 5203

Delta R.T. -0.01 min

Lab File: BN008681.D

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Instrument :

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ClientSampleId :

SSTD0.418

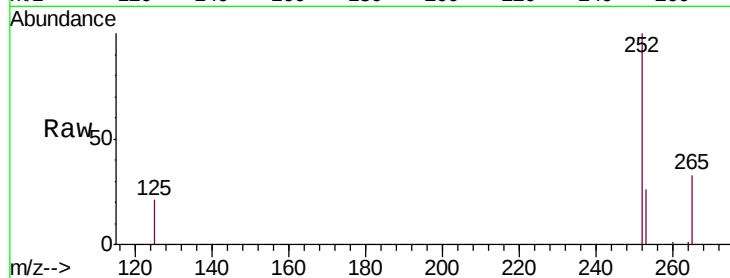
Tgt Ion:252 Resp: 20471

Ion Ratio Lower Upper

252 100

253 26.5 0.0 50.2

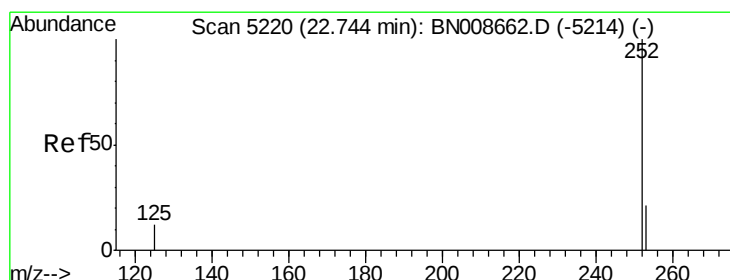
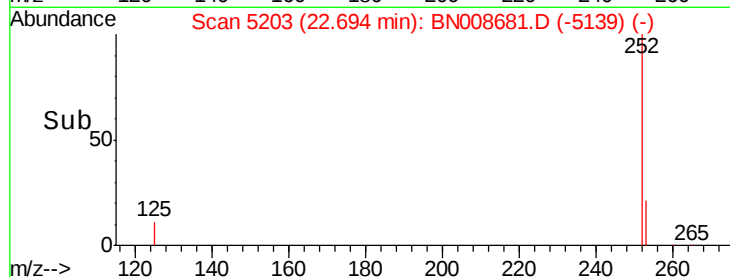
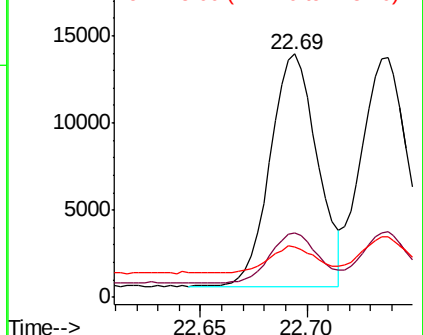
125 20.8 0.0 30.0



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: 0.407 ng/ul

RT: 22.69 min Scan# 5203

Delta R.T. -0.06 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

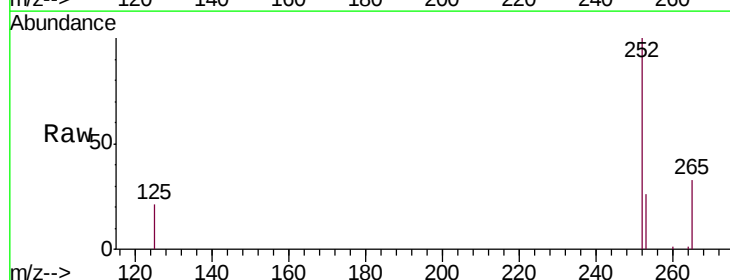
Tgt Ion:252 Resp: 20471

Ion Ratio Lower Upper

252 100

253 26.5 20.5 30.7

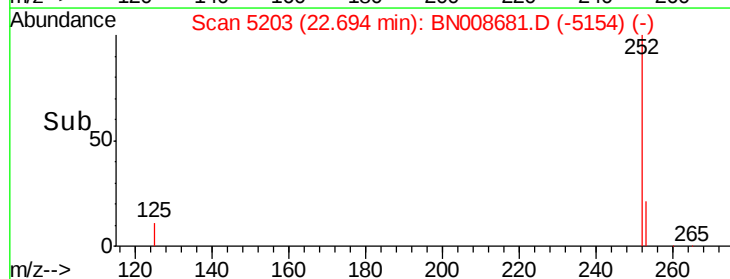
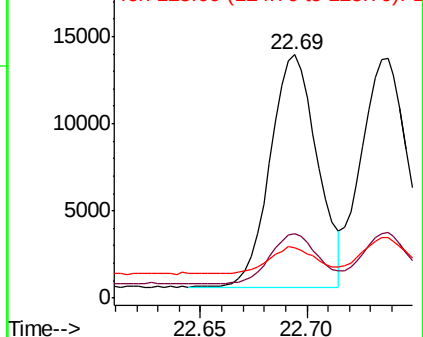
125 20.8 15.0 22.4

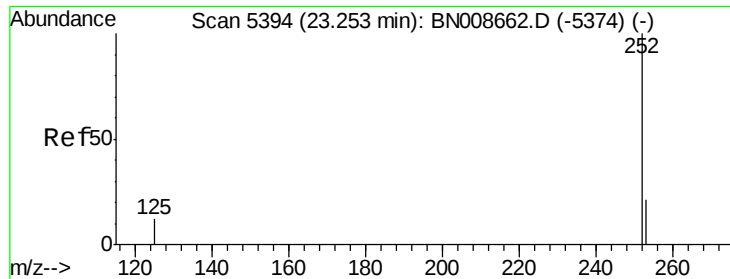


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. -0.01 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

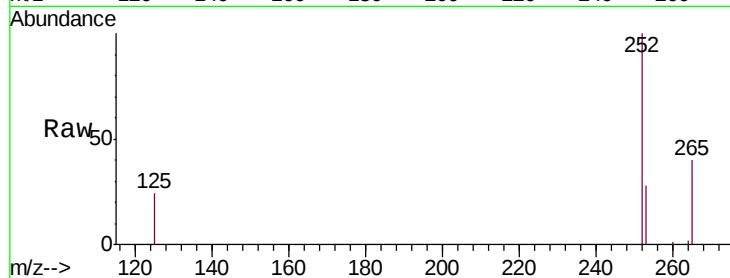
Tgt Ion:252 Resp: 19115

Ion Ratio Lower Upper

252 100

253 27.9 21.4 32.2

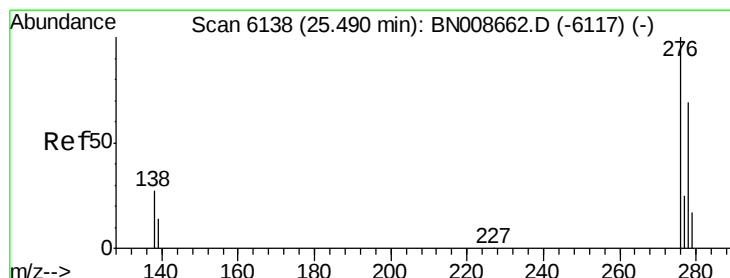
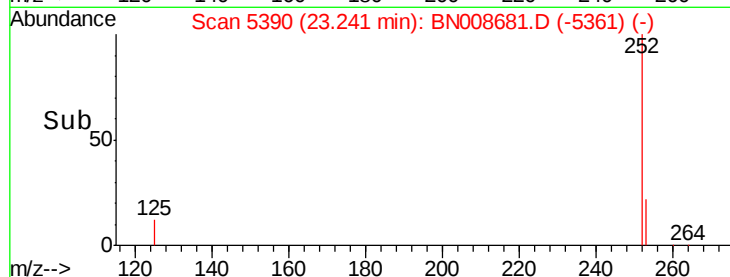
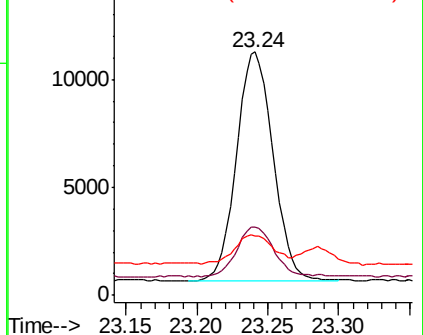
125 24.5 13.8 20.8#



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: 0.392 ng/ul

RT: 25.47 min Scan# 6133

Delta R.T. -0.02 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

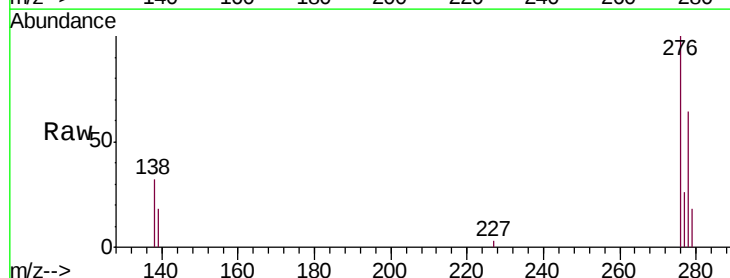
Tgt Ion:276 Resp: 21823

Ion Ratio Lower Upper

276 100

138 29.8 21.7 32.5

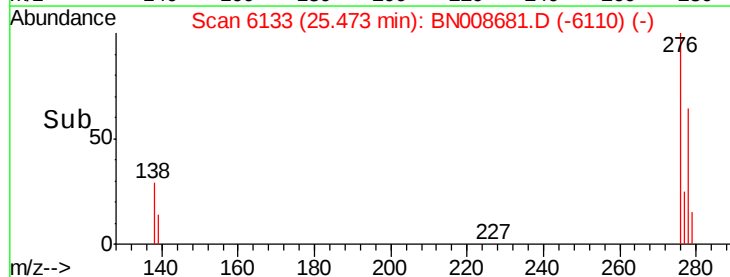
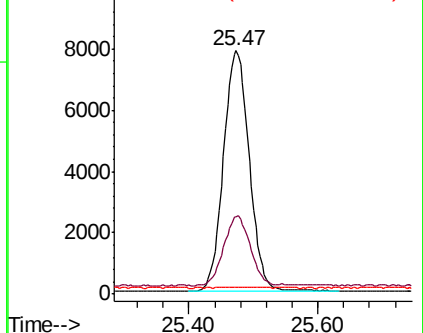
227 0.2 0.2 0.2

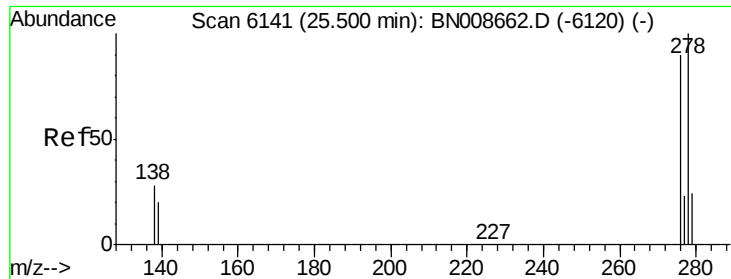


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.393 ng/ul

RT: 25.49 min Scan# 6137

Delta R.T. -0.02 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

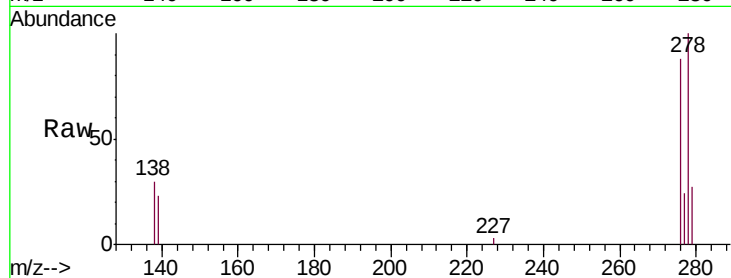
Tgt Ion: 278 Resp: 17664

Ion Ratio Lower Upper

278 100

139 23.4 18.7 28.1

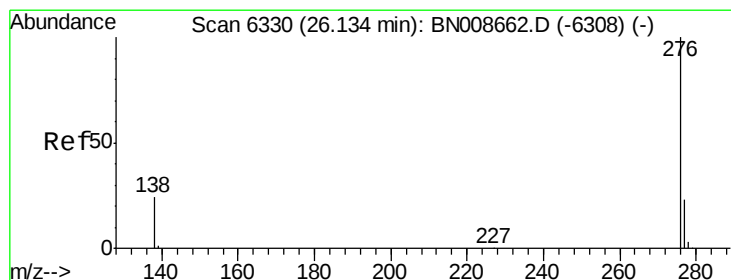
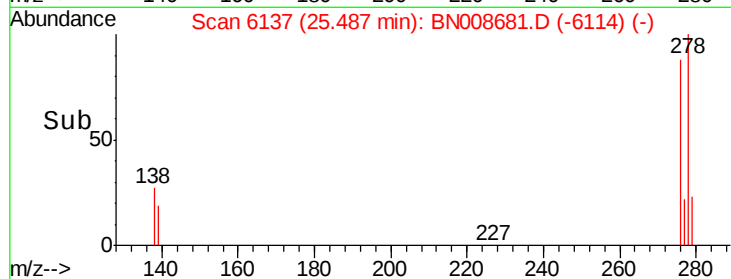
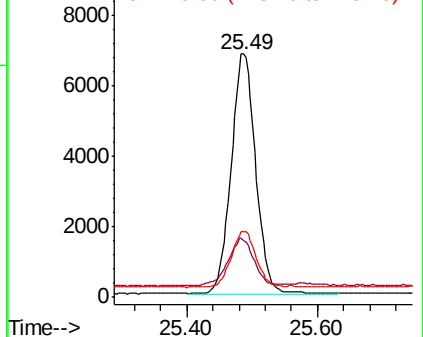
279 27.0 20.8 31.2



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: 0.398 ng/ul

RT: 26.12 min Scan# 6326

Delta R.T. -0.02 min

Lab File: BN008681.D

Acq: 21 Nov 2019 17:28

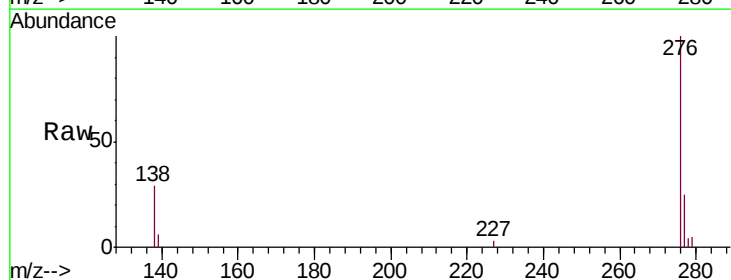
Tgt Ion: 276 Resp: 18526

Ion Ratio Lower Upper

276 100

138 28.5 20.0 30.0

277 25.2 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

