

Data File : BN008259.D
Acq On : 18 Oct 2019 22:10
Operator : JU
Sample : SSTDC00.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.402

Quant Time: Oct 18 23:51:24 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 18 23:47:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2188	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	10790	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	6797	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	14209	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13520	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	12461	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	7320	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	18732	0.38	ng/ul	0.00

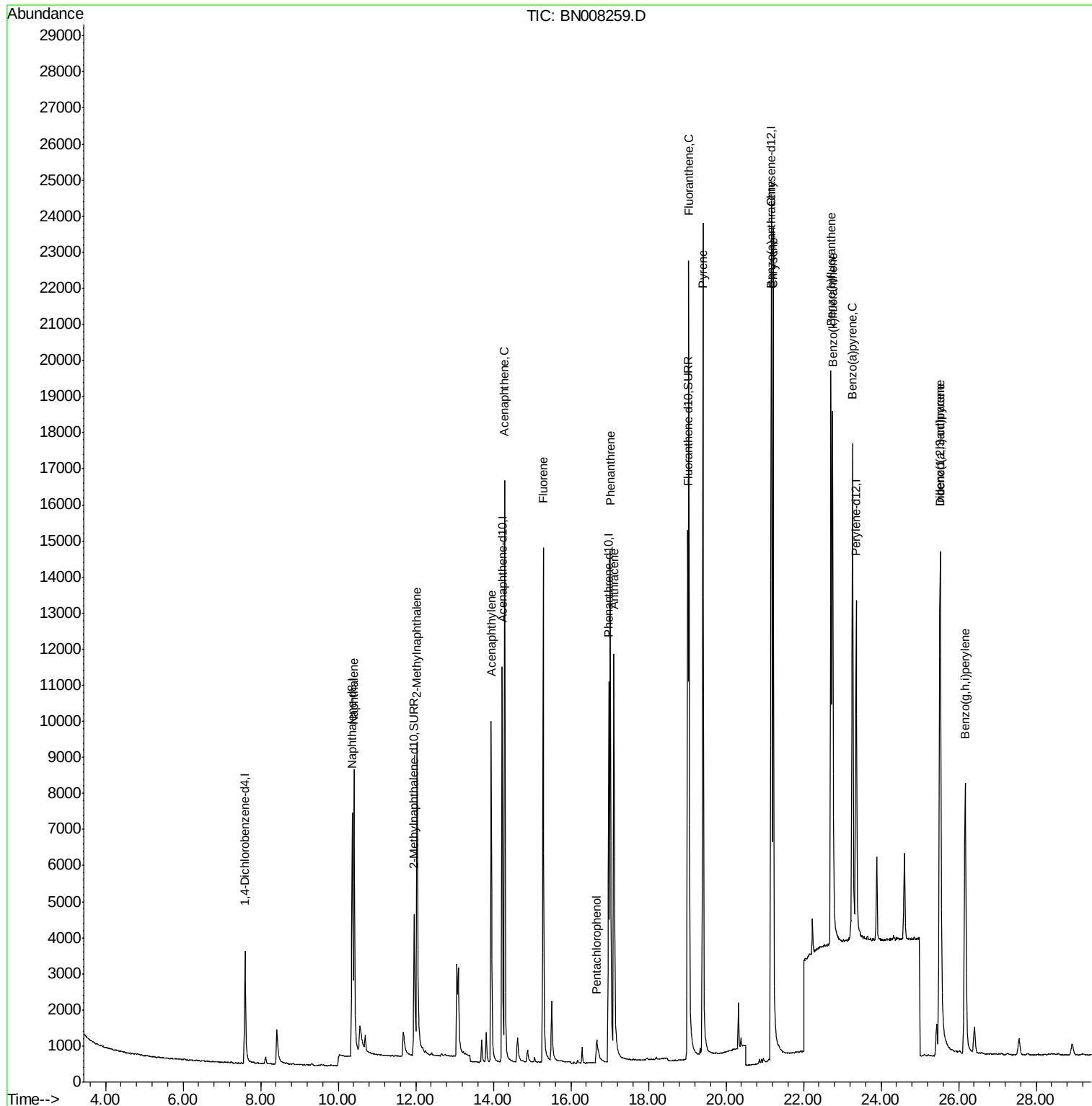
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	12716	0.414	ng/ul	99
5) 2-Methylnaphthalene	12.03	142	8633	0.410	ng/ul	100
7) Acenaphthylene	13.95	152	12663	0.391	ng/ul	100
8) Acenaphthene	14.29	153	10345	0.411	ng/ul	99
9) Fluorene	15.29	166	11247	0.393	ng/ul	98
11) Pentachlorophenol	16.66	266	1155	0.336	ng/ul	99
12) Phenanthrene	17.02	178	17871	0.430	ng/ul	100
13) Anthracene	17.11	178	16165	0.442	ng/ul	100
15) Fluoranthene	19.04	202	21542	0.392	ng/ul	95
17) Pyrene	19.41	202	23066	0.428	ng/ul	99
18) Benzo(a)anthracene	21.17	228	20887	0.425	ng/ul	100
19) Chrysene	21.22	228	23315	0.387	ng/ul	100
21) Benzo(b)fluoranthene	22.71	252	20089	0.495	ng/ul	97
22) Benzo(k)fluoranthene	22.75	252	22179	0.483	ng/ul	97
23) Benzo(a)pyrene	23.26	252	19653	0.460	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.52	276	19059	0.379	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.53	278	15396	0.387	ng/ul	98
26) Benzo(g,h,i)perylene	26.17	276	16276	0.353	ng/ul	99

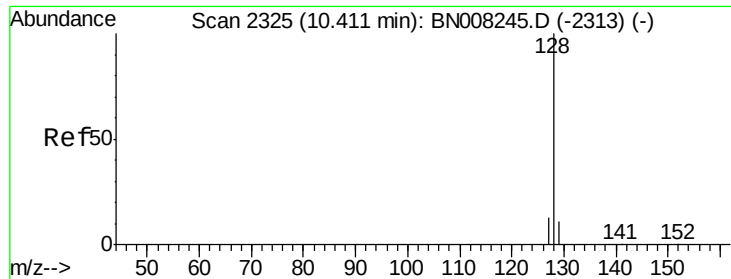
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.414 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

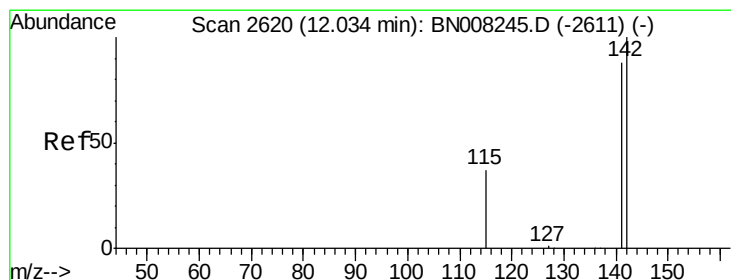
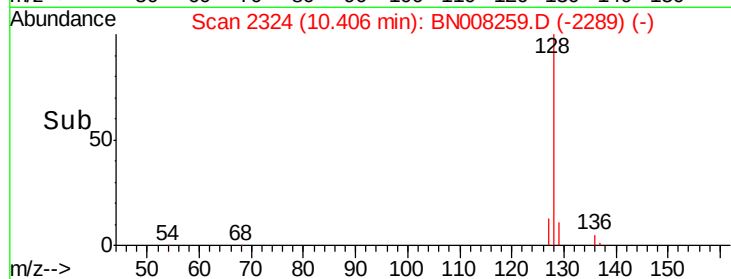
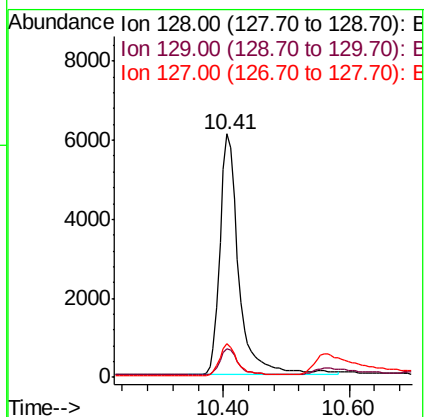
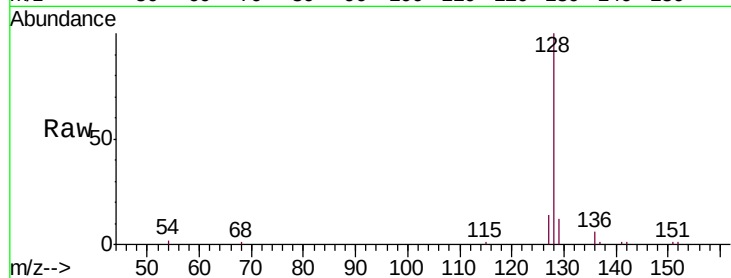
Tgt Ion:128 Resp: 12716

Ion Ratio Lower Upper

128 100

129 11.6 9.8 14.8

127 13.8 11.1 16.7



#5

2-Methylnaphthalene

Concen: 0.410 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BN008259.D

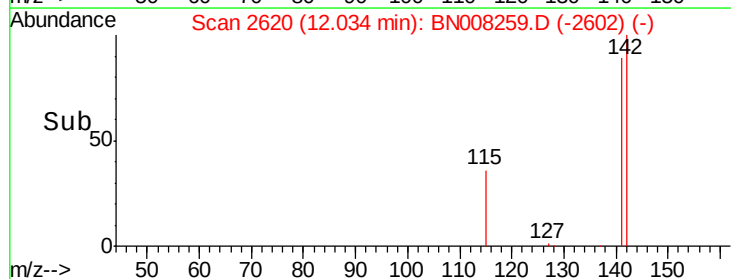
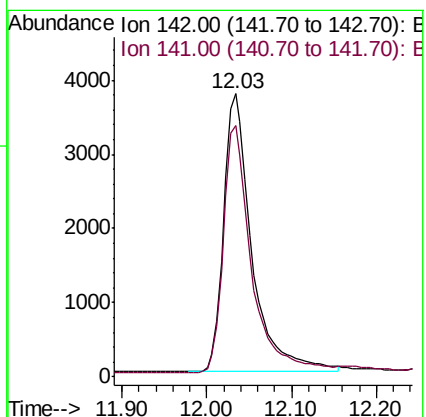
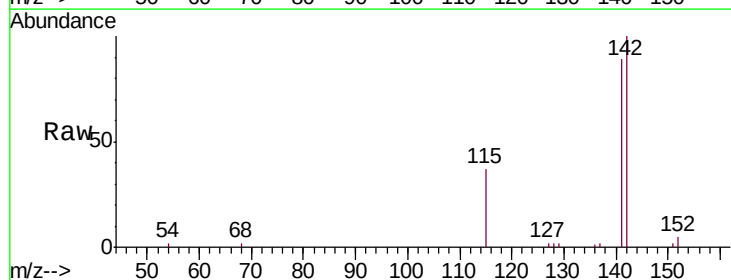
Acq: 18 Oct 2019 22:10

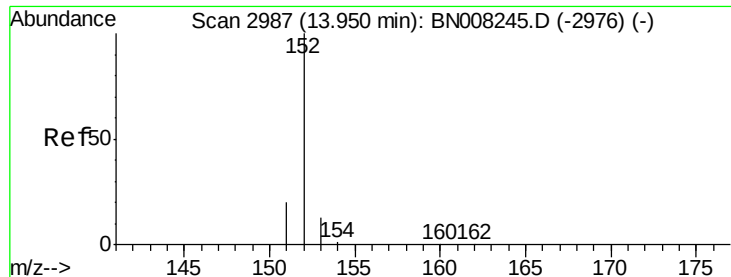
Tgt Ion:142 Resp: 8633

Ion Ratio Lower Upper

142 100

141 89.3 71.4 107.2





#7

Acenaphthylene

Concen: 0.391 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

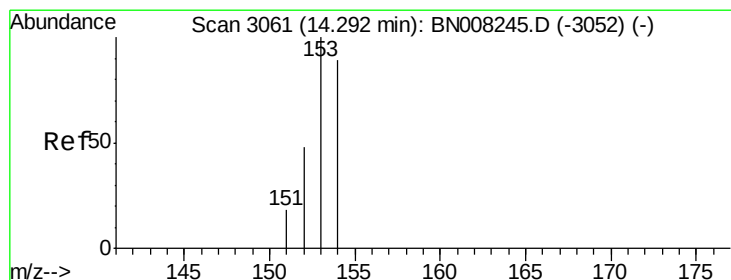
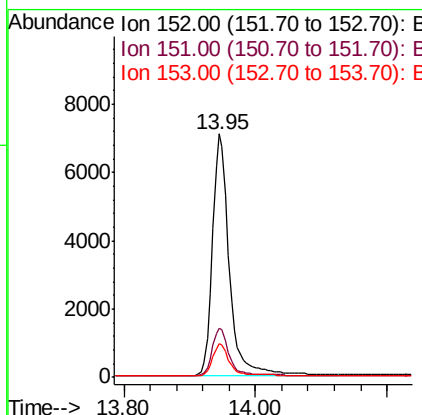
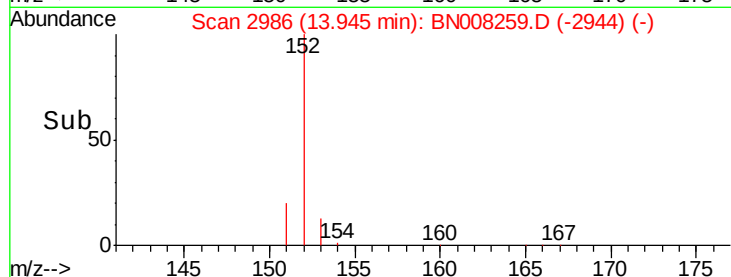
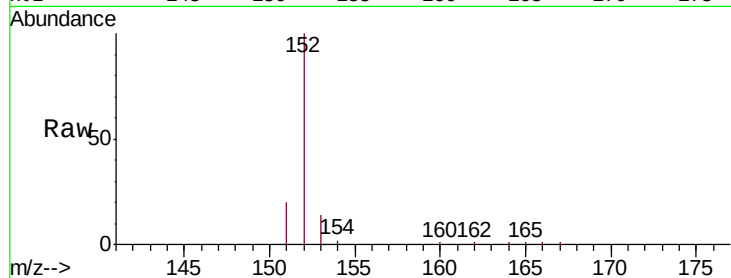
Tgt Ion:152 Resp: 12663

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.7 11.0 16.4



#8

Acenaphthene

Concen: 0.411 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

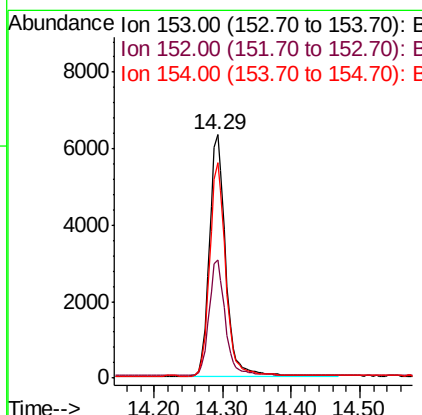
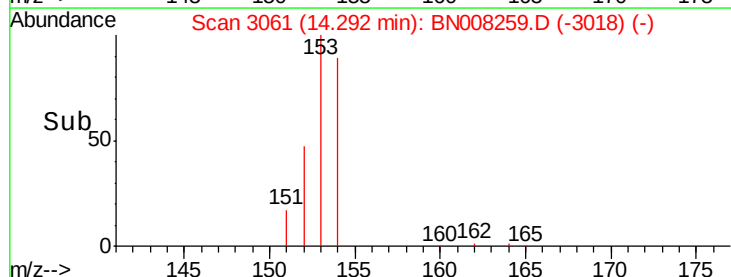
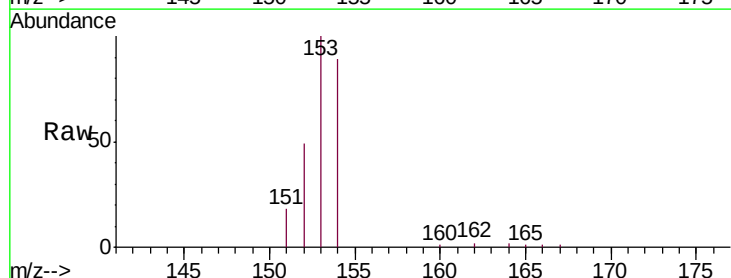
Tgt Ion:153 Resp: 10345

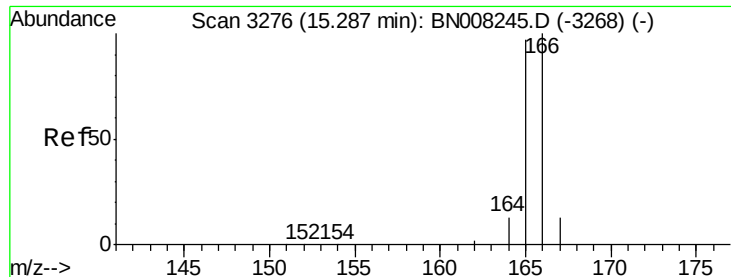
Ion Ratio Lower Upper

153 100

152 48.5 38.2 57.2

154 88.6 71.8 107.8





#9

Fluorene

Concen: 0.393 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

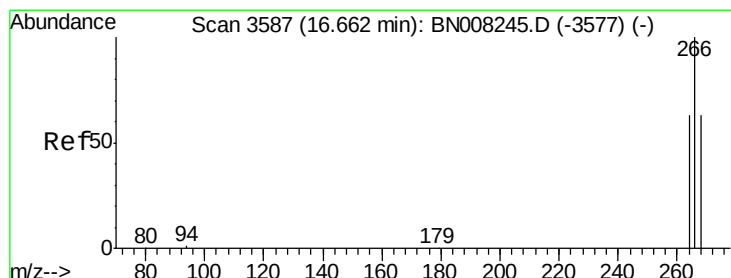
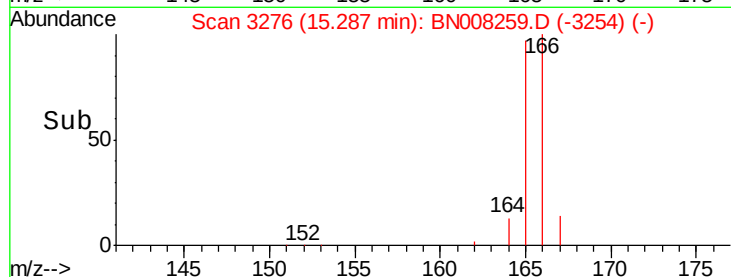
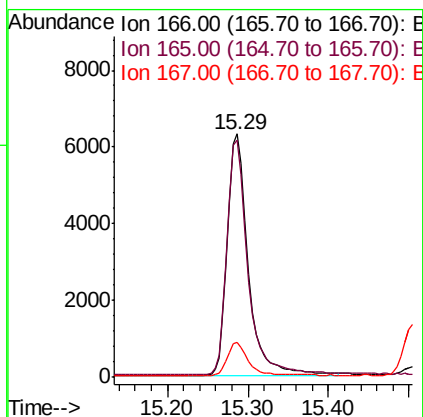
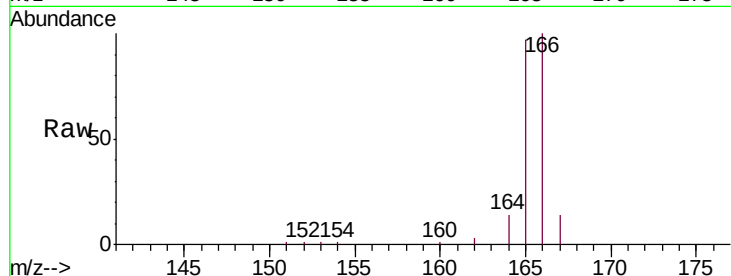
Tgt Ion:166 Resp: 11247

Ion Ratio Lower Upper

166 100

165 97.4 76.6 115.0

167 14.3 11.7 17.5



#11

Pentachlorophenol

Concen: 0.336 ng/ul

RT: 16.66 min Scan# 3587

Delta R.T. 0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

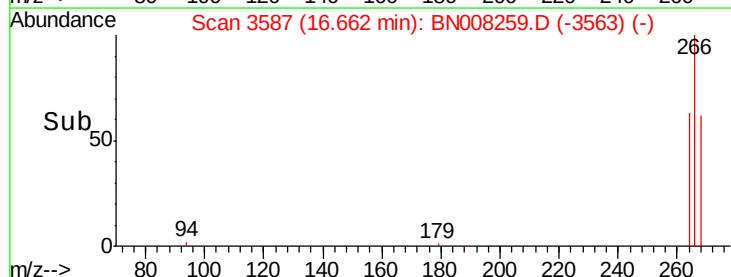
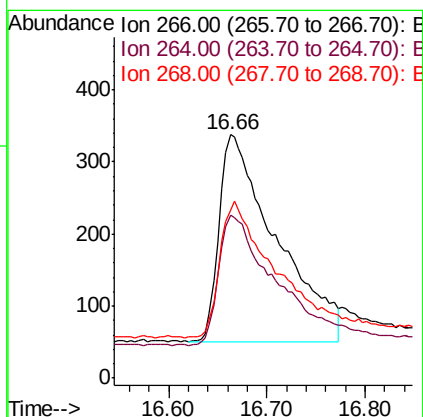
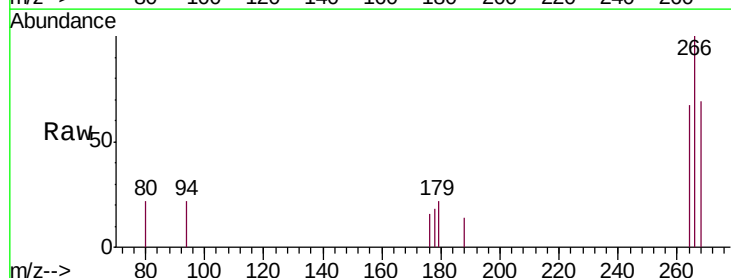
Tgt Ion:266 Resp: 1155

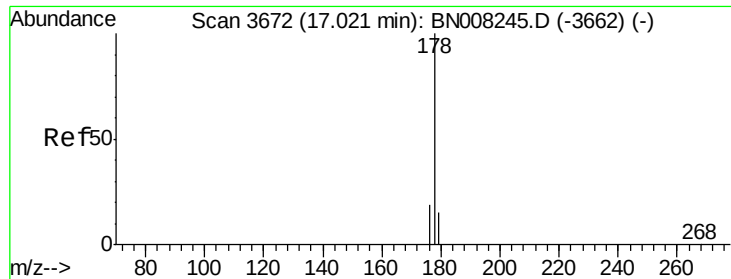
Ion Ratio Lower Upper

266 100

264 63.5 50.1 75.1

268 65.1 51.9 77.9





#12

Phenanthrene

Concen: 0.430 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

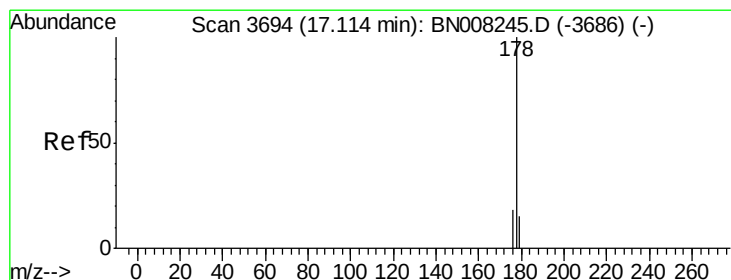
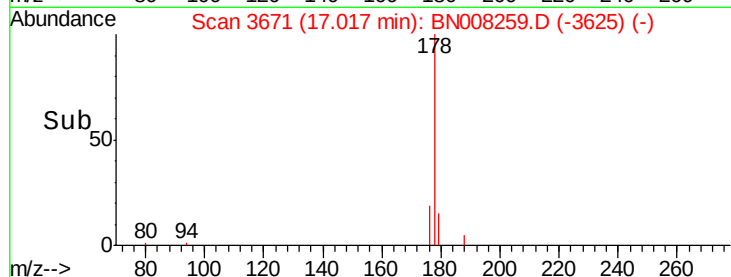
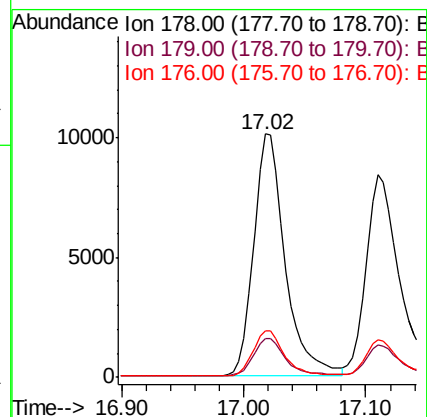
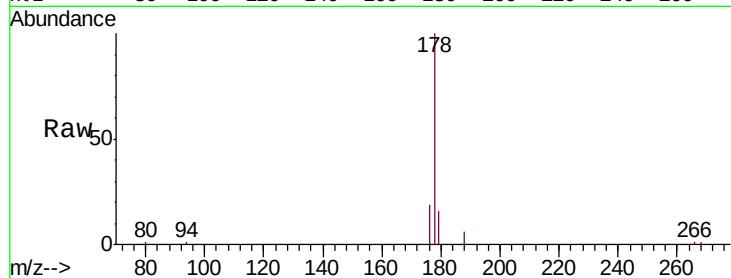
Tgt Ion:178 Resp: 17871

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.1 15.4 23.2



#13

Anthracene

Concen: 0.442 ng/ul

RT: 17.11 min Scan# 3693

Delta R.T. -0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

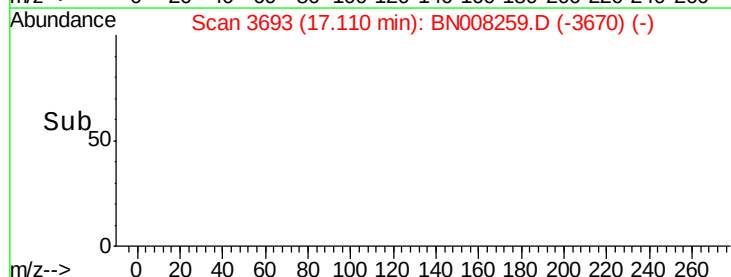
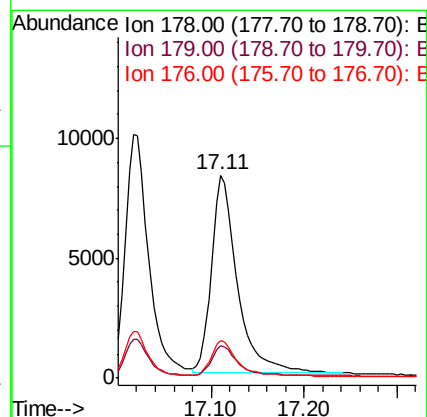
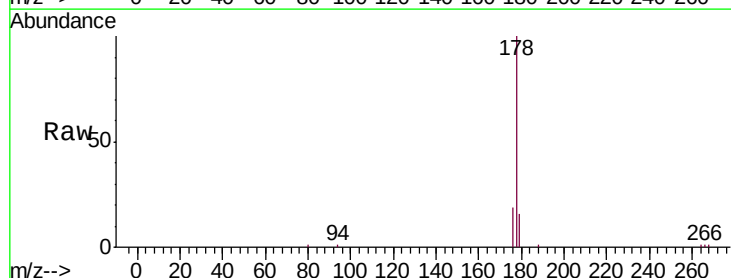
Tgt Ion:178 Resp: 16165

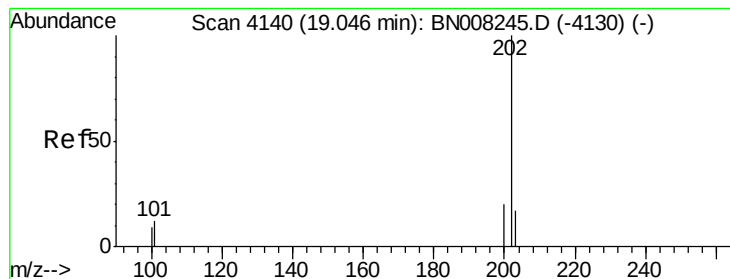
Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.6

176 18.6 15.0 22.6





#15

Fluoranthene

Concen: 0.392 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. -0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

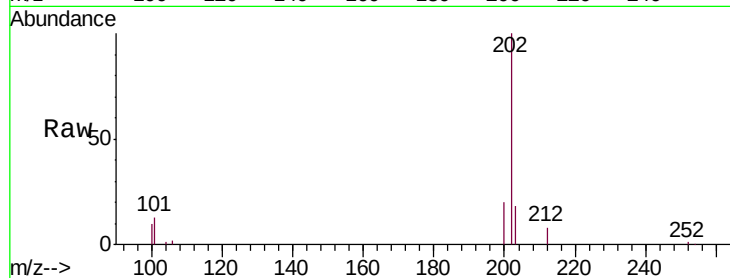
Tgt Ion:202 Resp: 21542

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.2

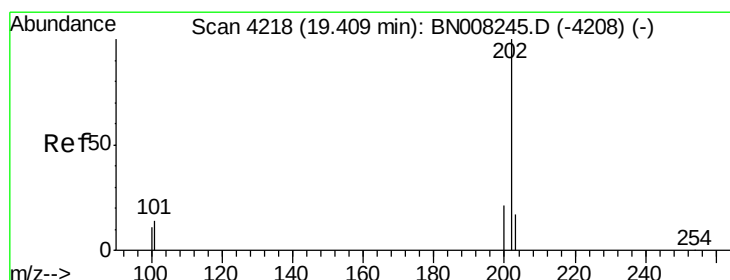
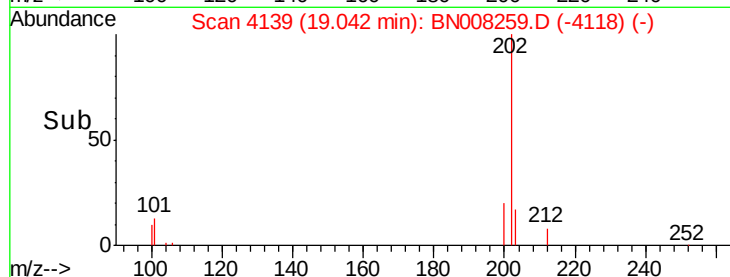
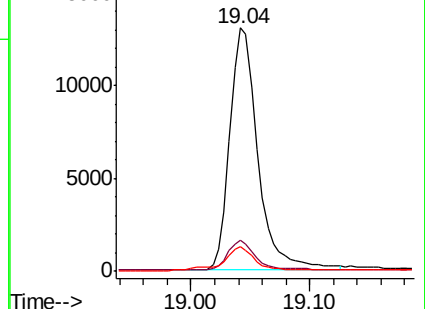
100 10.1 0.0 28.5



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: 0.428 ng/ul

RT: 19.41 min Scan# 4218

Delta R.T. 0.00 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

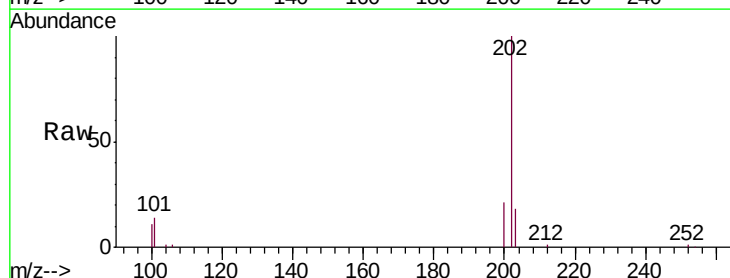
Tgt Ion:202 Resp: 23066

Ion Ratio Lower Upper

202 100

101 13.8 10.9 16.3

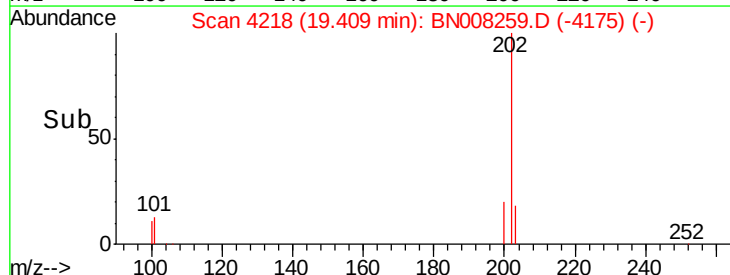
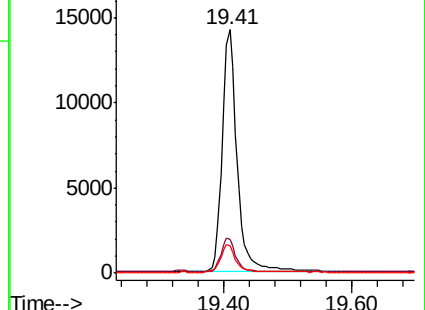
100 11.2 8.7 13.1

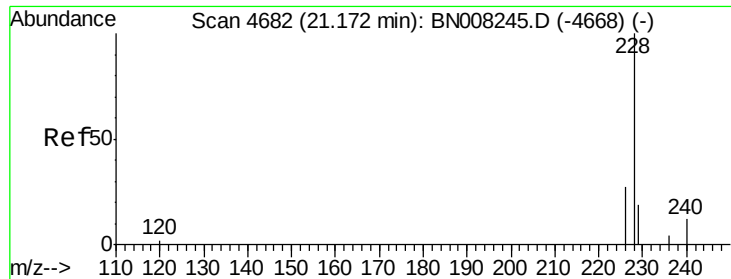


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.425 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

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SSTD0.402

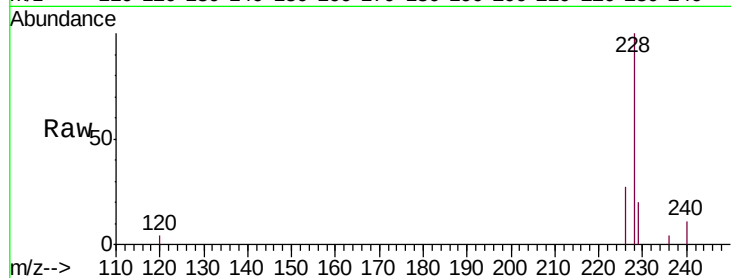
Tgt Ion:228 Resp: 20887

Ion Ratio Lower Upper

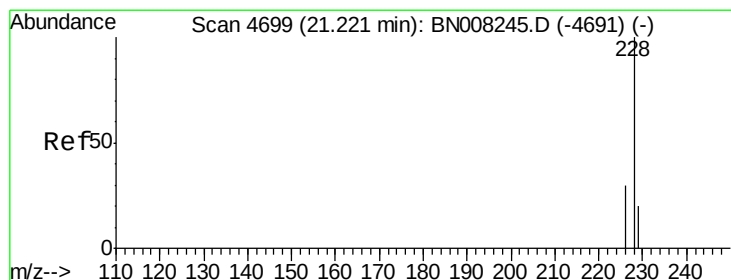
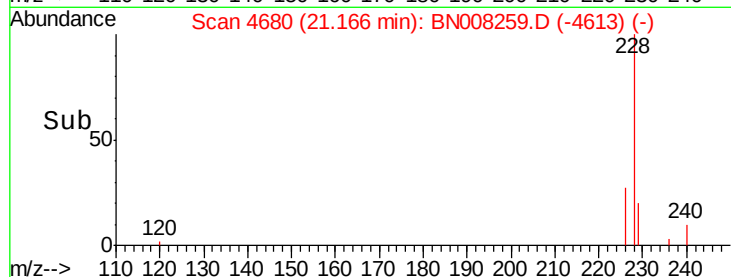
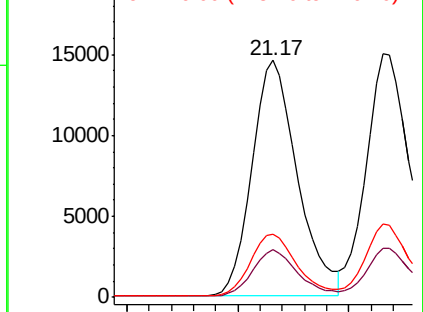
228 100

229 20.1 16.2 24.2

226 26.9 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: 0.387 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

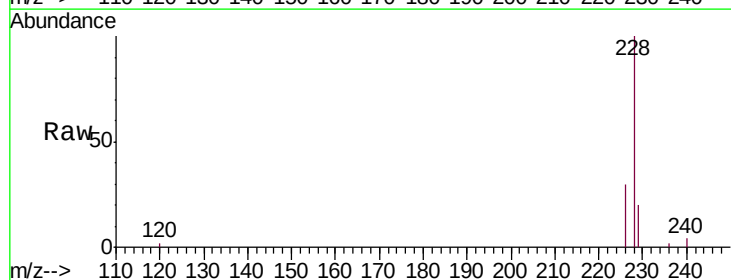
Tgt Ion:228 Resp: 23315

Ion Ratio Lower Upper

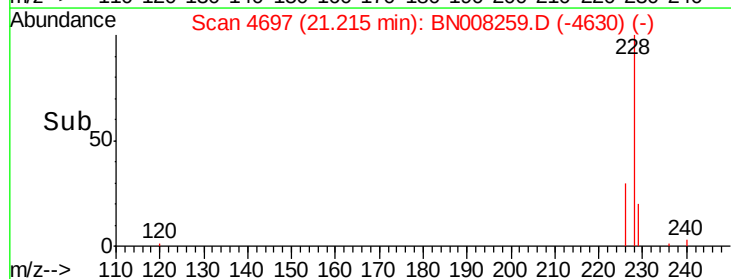
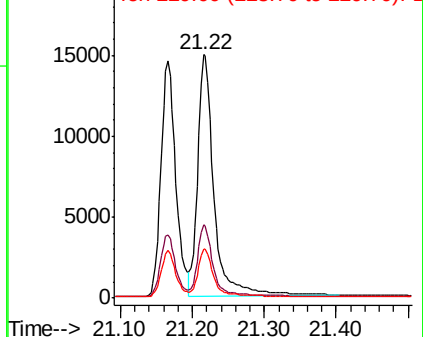
228 100

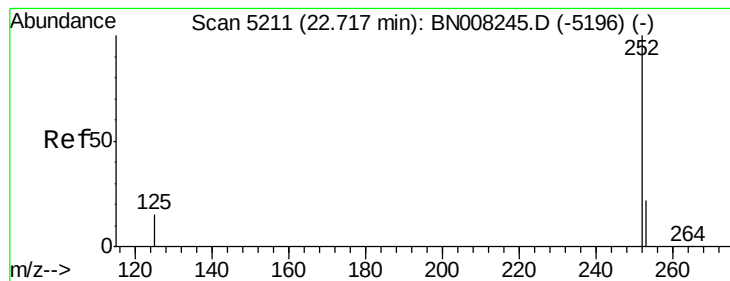
226 29.9 24.1 36.1

229 20.1 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: 0.495 ng/ul

RT: 22.71 min Scan# 5209

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

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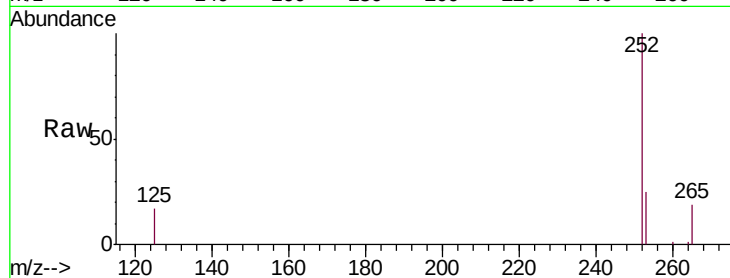
Tgt Ion:252 Resp: 20089

Ion Ratio Lower Upper

252 100

253 25.1 0.0 53.4

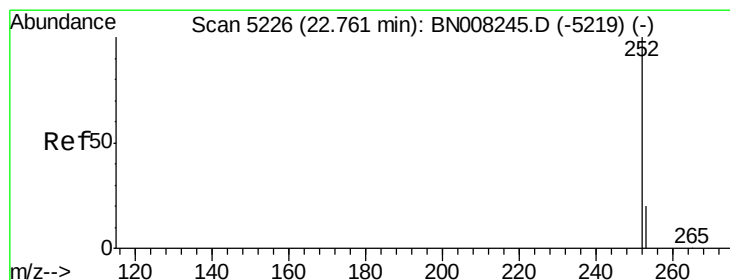
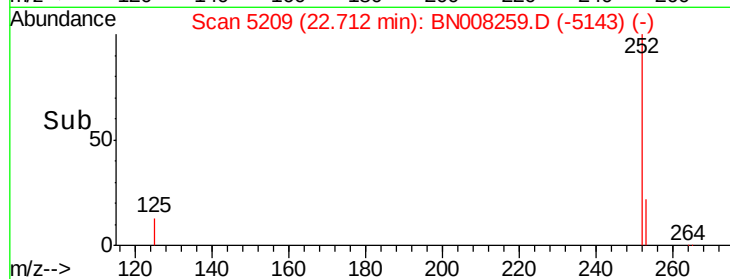
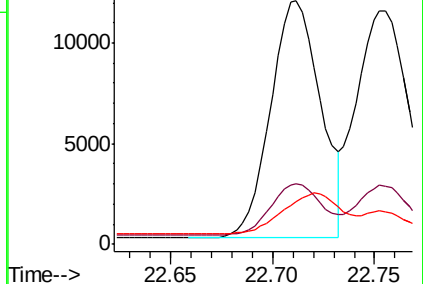
125 17.3 0.0 32.4



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: 0.483 ng/ul

RT: 22.75 min Scan# 5223

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

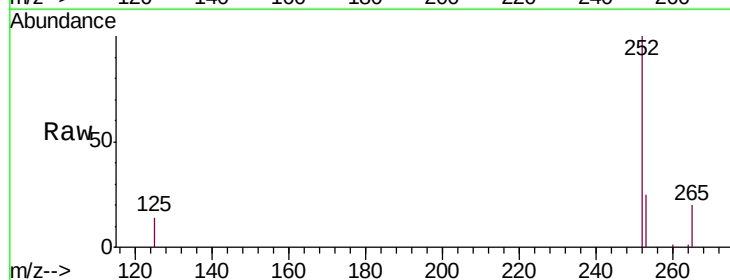
Tgt Ion:252 Resp: 22179

Ion Ratio Lower Upper

252 100

253 25.2 21.3 31.9

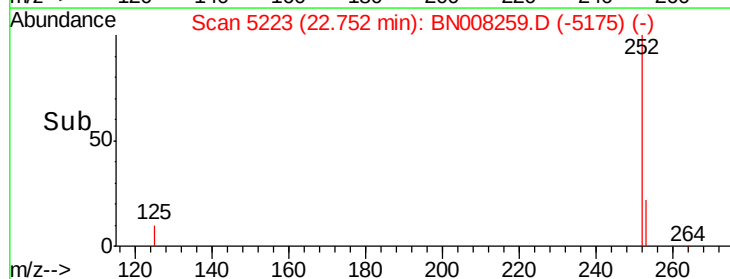
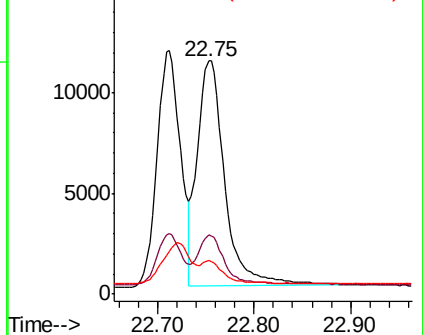
125 14.2 12.3 18.5

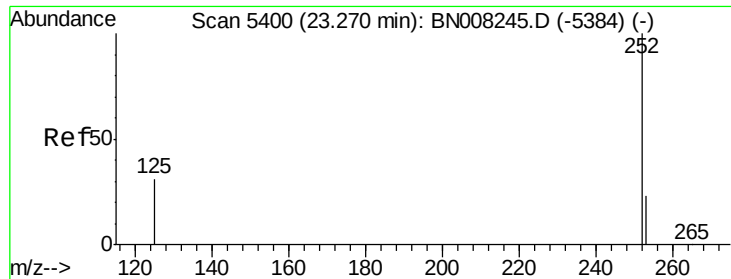


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.460 ng/ul

RT: 23.26 min Scan# 5398

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.402

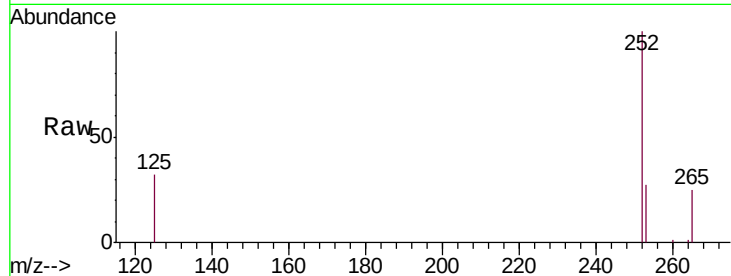
Tgt Ion:252 Resp: 19653

Ion Ratio Lower Upper

252 100

253 27.0 22.8 34.2

125 32.4 18.4 27.6#

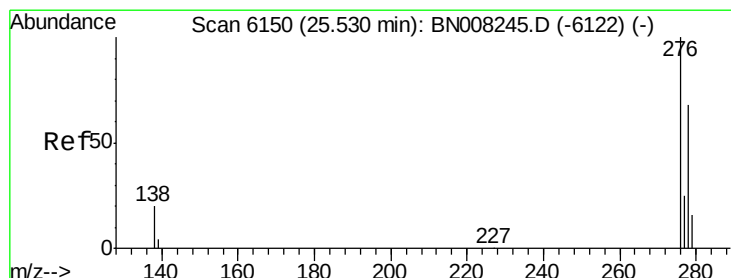
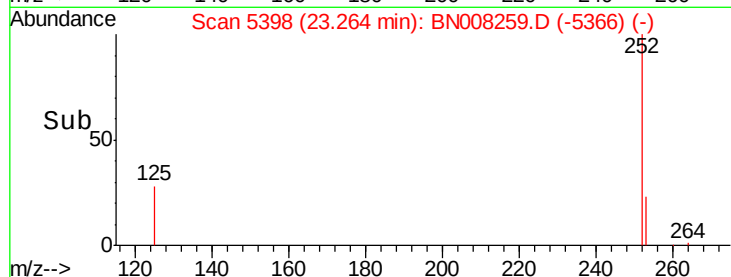
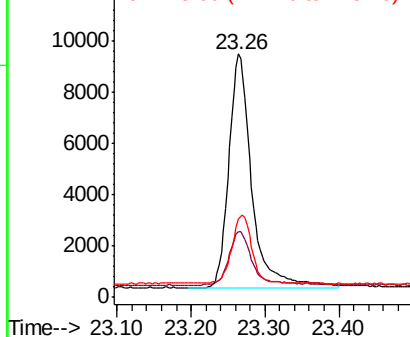


Abundance

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: 0.379 ng/ul

RT: 25.52 min Scan# 6146

Delta R.T. -0.01 min

Lab File: BN008259.D

Acq: 18 Oct 2019 22:10

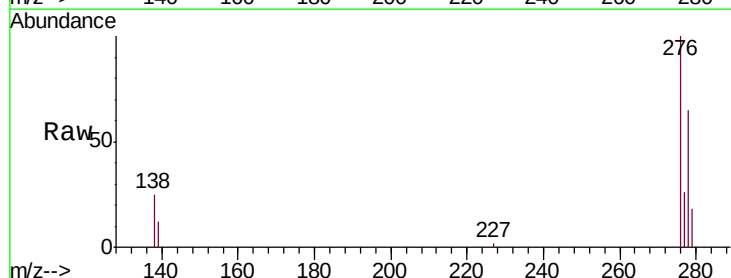
Tgt Ion:276 Resp: 19059

Ion Ratio Lower Upper

276 100

138 21.4 16.1 24.1

227 0.1 0.2 0.2#

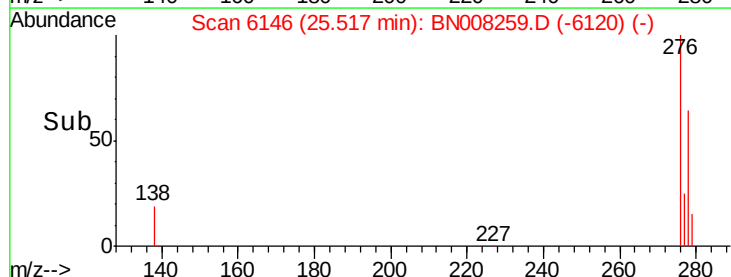
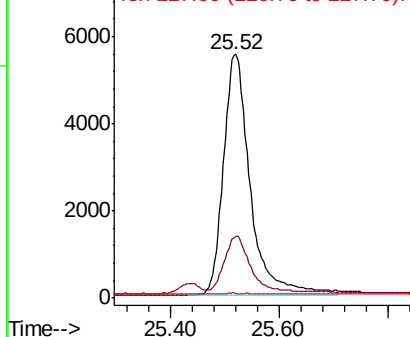


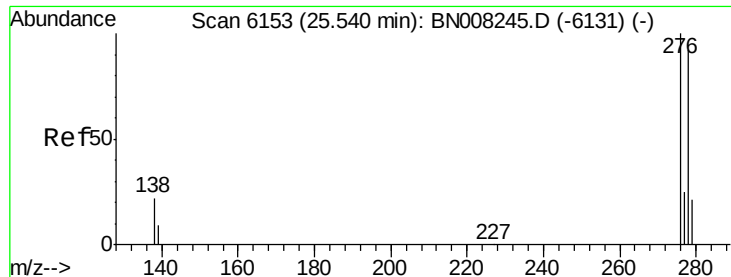
Abundance

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

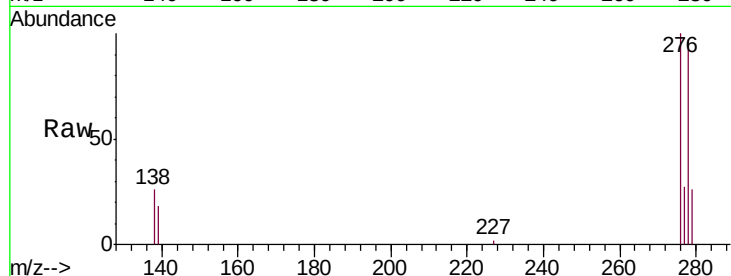




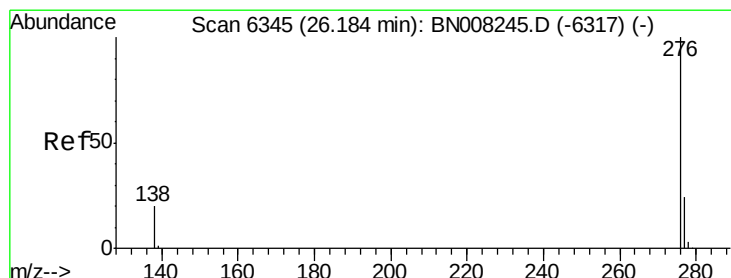
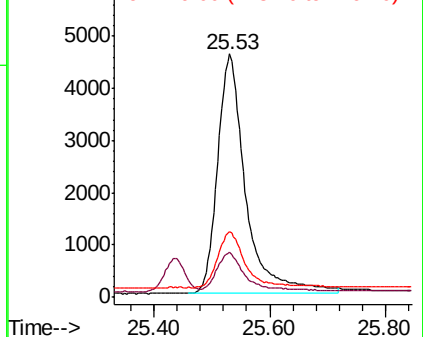
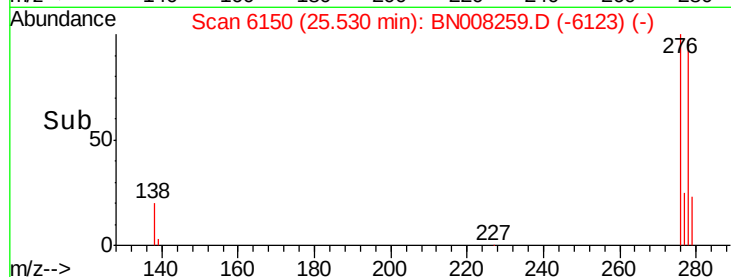
#25
Dibenzo(a,h)anthracene
Concen: 0.387 ng/ul
RT: 25.53 min Scan# 6150
Delta R.T. -0.01 min
Lab File: BN008259.D
Acq: 18 Oct 2019 22:10

Instrument :
BNA_N
ClientSampleId :
SSTD0.402

Tgt Ion: 278 Resp: 15396
Ion Ratio Lower Upper
278 100
139 18.4 15.0 22.6
279 26.9 22.4 33.6

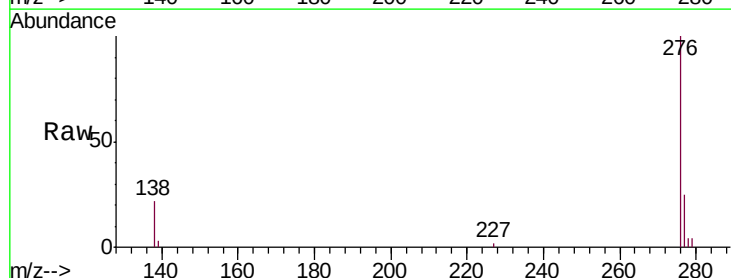


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.353 ng/ul
RT: 26.17 min Scan# 6342
Delta R.T. -0.01 min
Lab File: BN008259.D
Acq: 18 Oct 2019 22:10

Tgt Ion: 276 Resp: 16276
Ion Ratio Lower Upper
276 100
138 21.8 17.0 25.4
277 25.1 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

