

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
 Data File : BN008090.D
 Acq On : 11 Oct 2019 22:40
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 11 23:16:57 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 11 19:05:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2062	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	9887	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	6289	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	14958	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	15356	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	17070	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	5960	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	18304	0.35	ng/ul	0.00

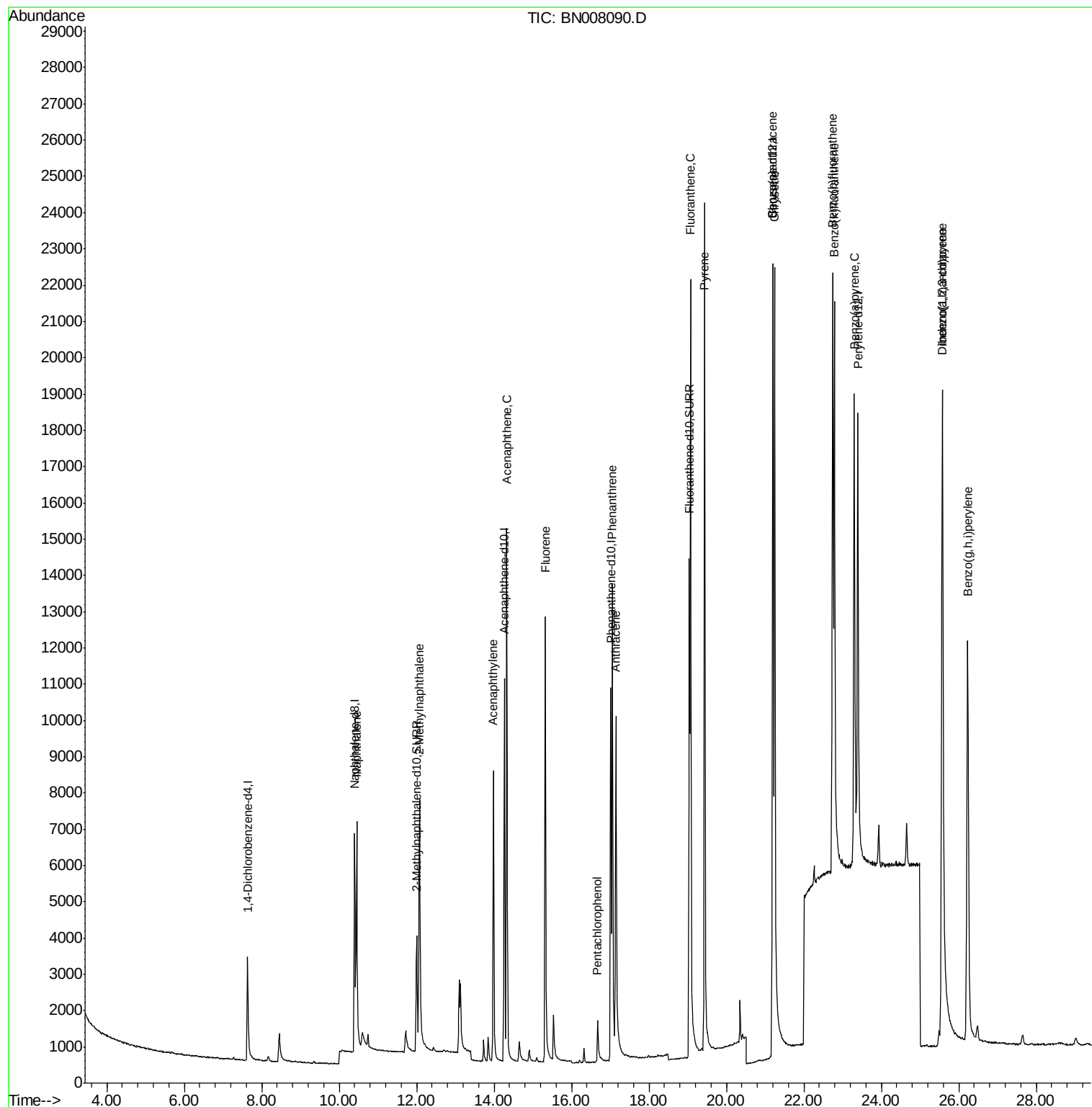
Target Compounds						Ovalue
3) Naphthalene	10.45	128	10220	0.363	ng/ul	99
5) 2-Methylnaphthalene	12.07	142	6829	0.354	ng/ul	100
7) Acenaphthylene	13.98	152	10607	0.354	ng/ul	99
8) Acenaphthene	14.32	153	9364	0.402	ng/ul	99
9) Fluorene	15.32	166	9578	0.362	ng/ul	98
11) Pentachlorophenol	16.67	266	1259	0.348	ng/ul	99
12) Phenanthrene	17.05	178	15339	0.350	ng/ul	99
13) Anthracene	17.14	178	13184	0.342	ng/ul	100
15) Fluoranthene	19.07	202	20029	0.346	ng/ul	100
17) Pyrene	19.44	202	23509	0.384	ng/ul	99
18) Benzo(a)anthracene	21.19	228	18966	0.340	ng/ul	99
19) Chrysene	21.24	228	25220	0.368	ng/ul	99
21) Benzo(b)fluoranthene	22.74	252	21942	0.395	ng/ul	99
22) Benzo(k)fluoranthene	22.78	252	24927	0.396	ng/ul	99
23) Benzo(a)pyrene	23.30	252	23039	0.394	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.57	276	27602	0.401	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.58	278	21697	0.399	ng/ul	99
26) Benzo(g,h,i)perylene	26.23	276	25340	0.401	ng/ul	99

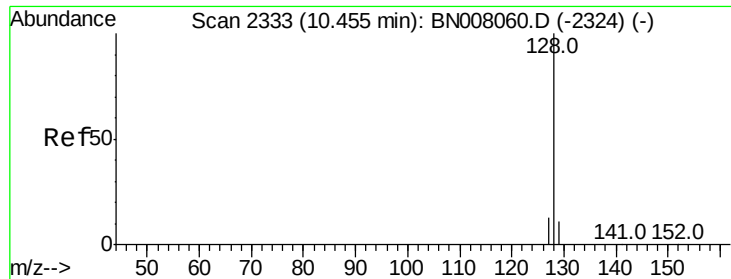
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.363 ng/ul

RT: 10.45 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

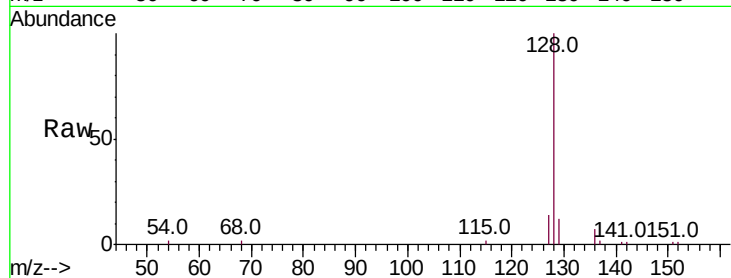
Tot Ion:128 Resp: 10220

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.8

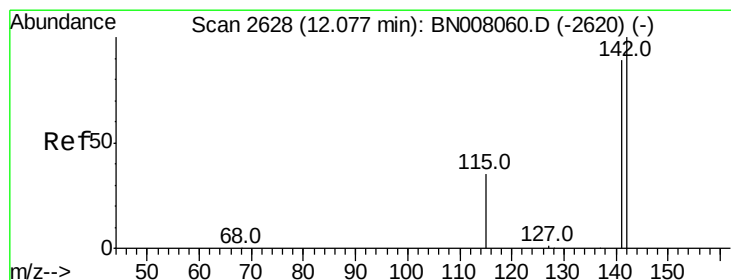
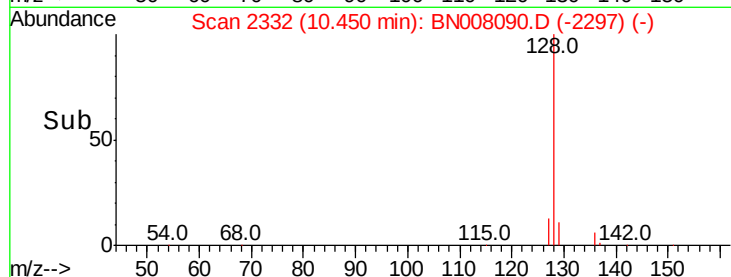
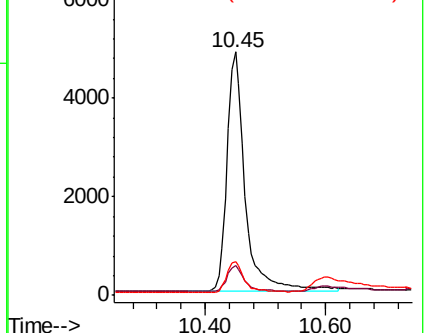
127 13.7 11.1 16.7



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: 0.354 ng/ul

RT: 12.07 min Scan# 2627

Delta R.T. -0.01 min

Lab File: BN008090.D

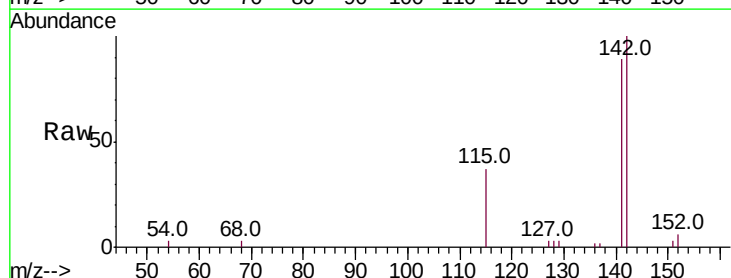
Acq: 11 Oct 2019 22:40

Tgt Ion:142 Resp: 6829

Ion Ratio Lower Upper

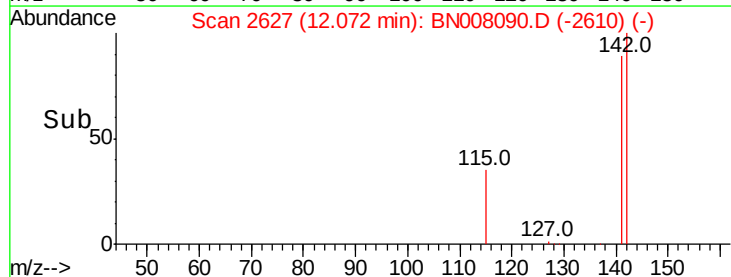
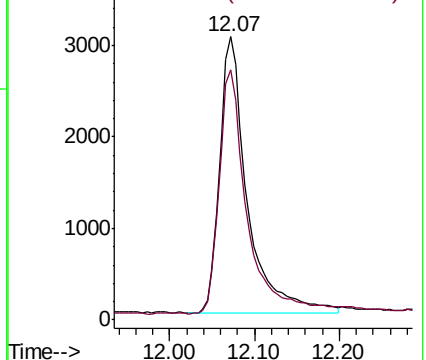
142 100

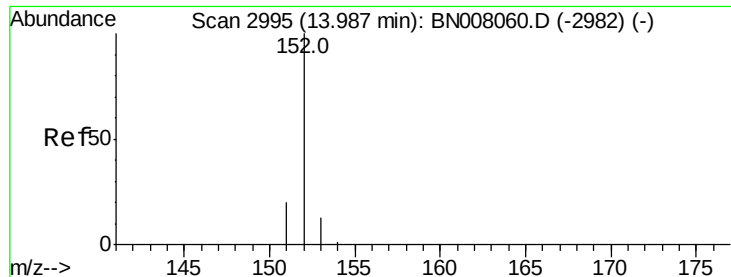
141 89.4 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.354 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.00 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

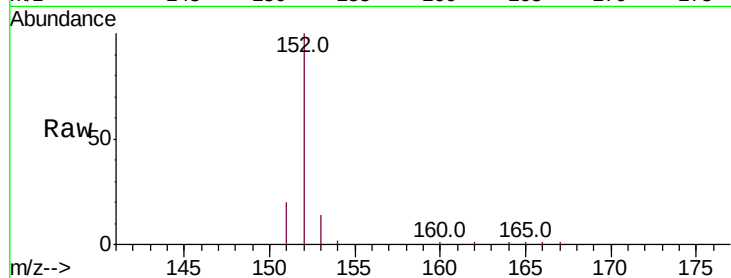
Tot Ion:152 Resp: 10607

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

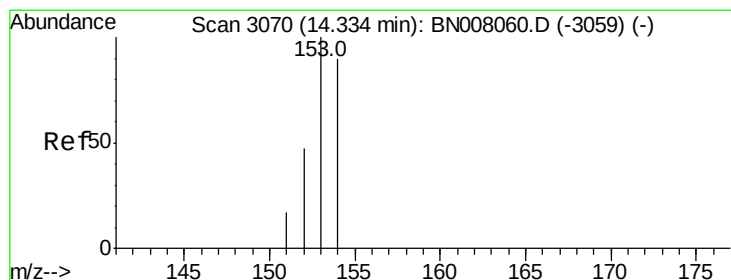
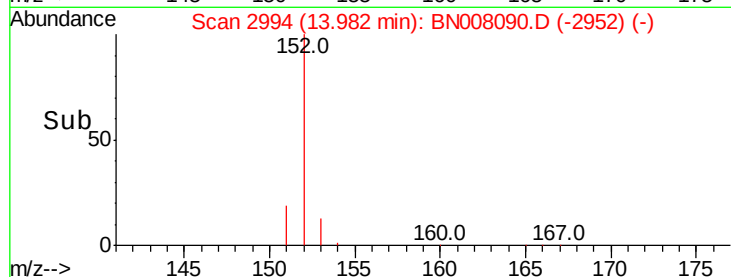
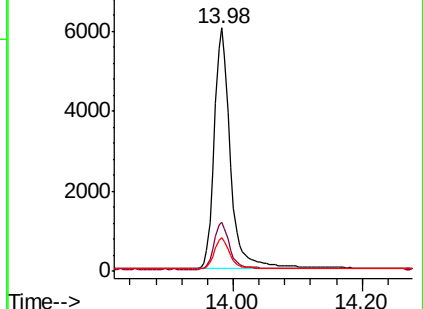
153 14.0 11.0 16.4



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: 0.402 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

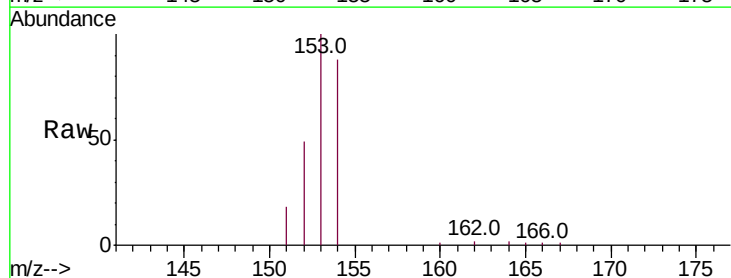
Tgt Ion:153 Resp: 9364

Ion Ratio Lower Upper

153 100

152 48.5 38.2 57.2

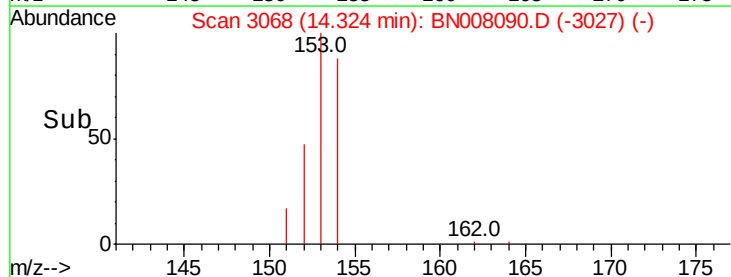
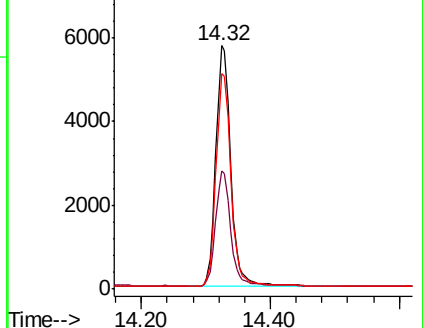
154 88.3 71.8 107.8

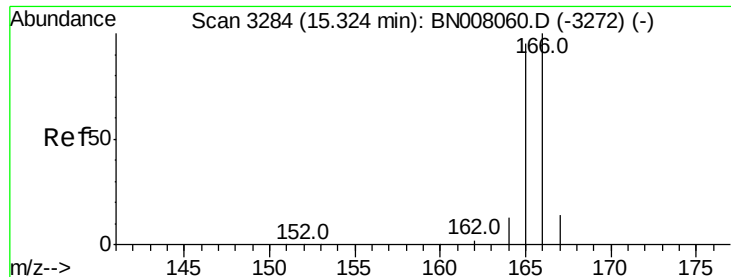


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.362 ng/ul

RT: 15.32 min Scan# 3283

Delta R.T. -0.00 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

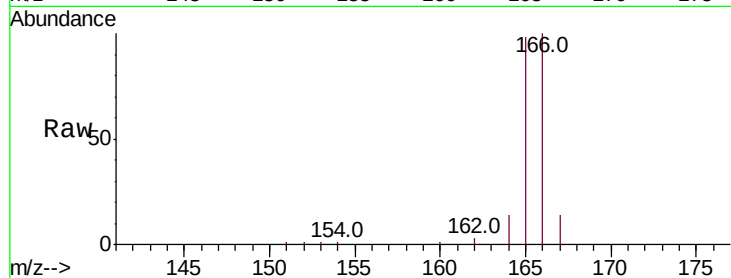
Tot Ion:166 Resp: 9578

Ion Ratio Lower Upper

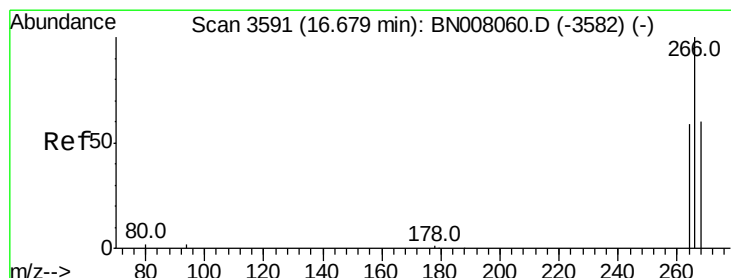
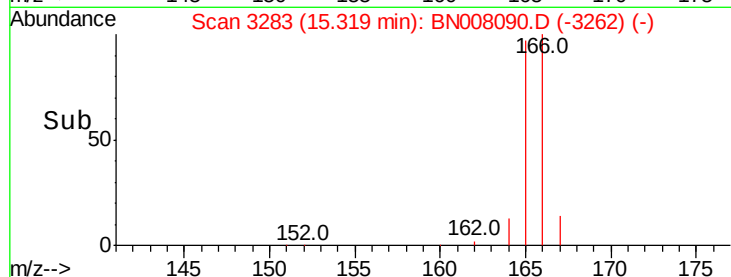
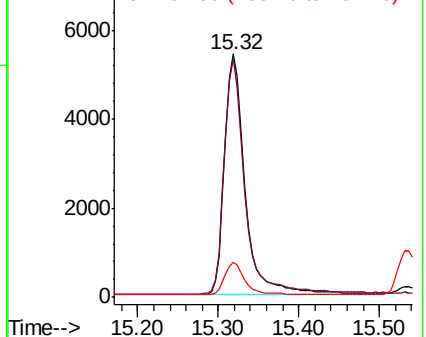
166 100

165 97.8 76.6 115.0

167 14.4 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: 0.348 ng/ul

RT: 16.67 min Scan# 3589

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

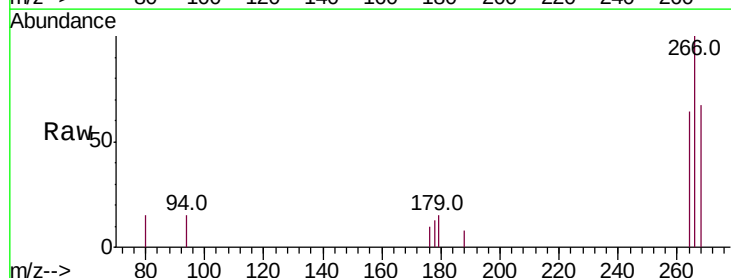
Tgt Ion:266 Resp: 1259

Ion Ratio Lower Upper

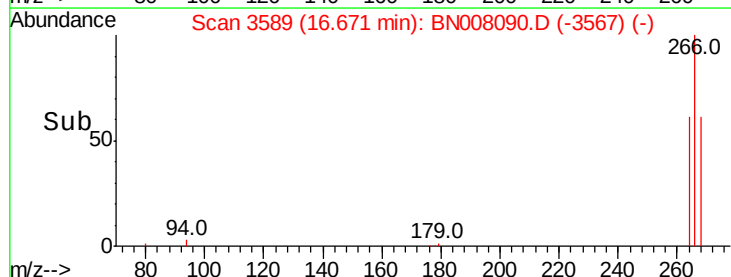
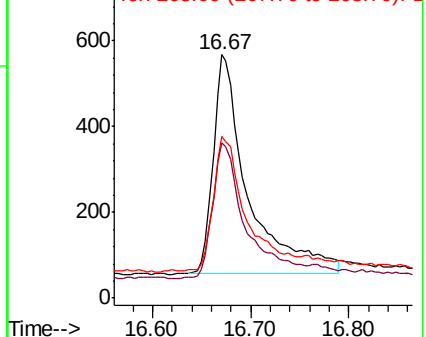
266 100

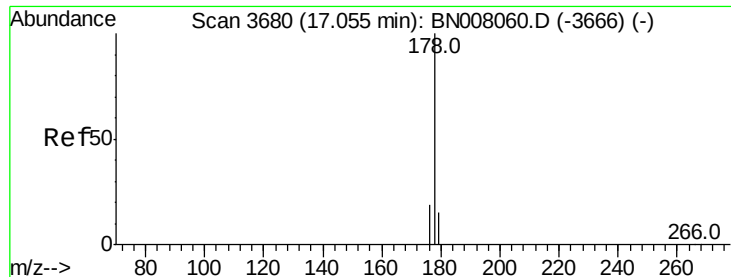
264 63.0 50.1 75.1

268 63.9 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: 0.350 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

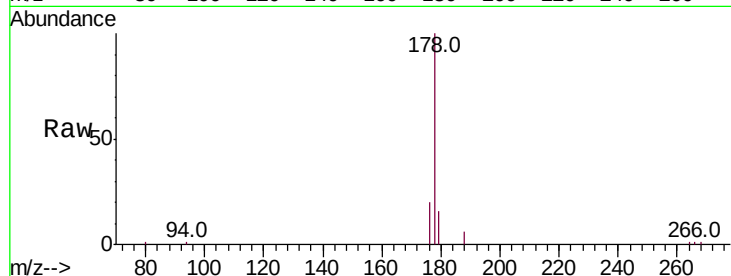
Tot Ion:178 Resp: 15339

Ion Ratio Lower Upper

178 100

179 16.1 12.8 19.2

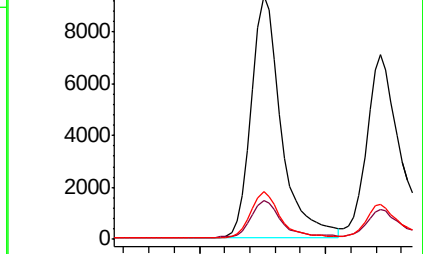
176 19.6 15.4 23.2



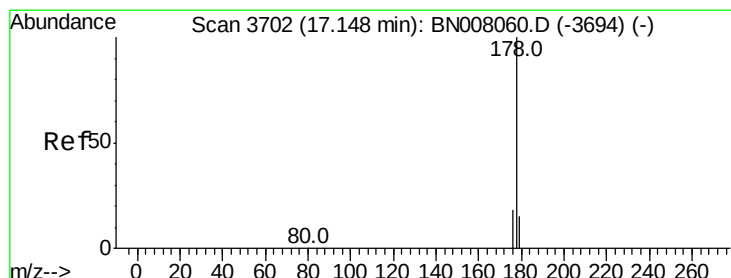
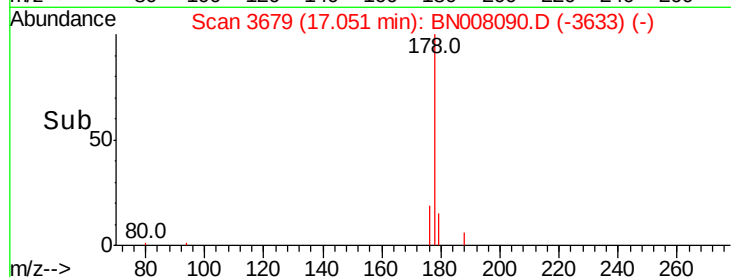
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.342 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

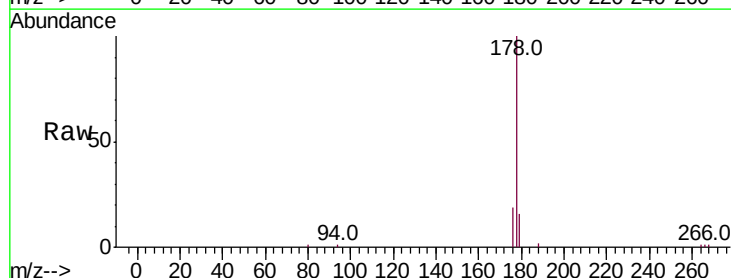
Tgt Ion:178 Resp: 13184

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.6

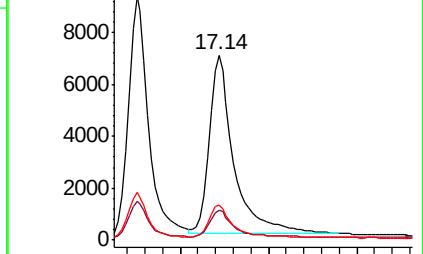
176 18.7 15.0 22.6



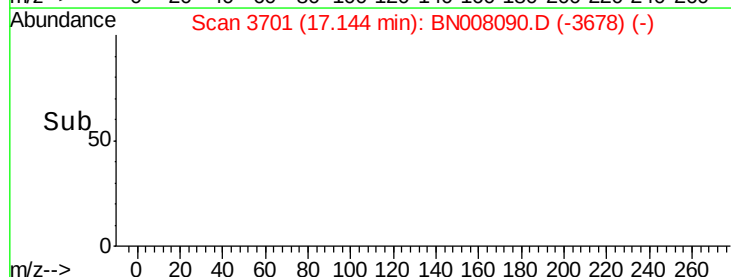
Abundance Ion 178.00 (177.70 to 178.70): E

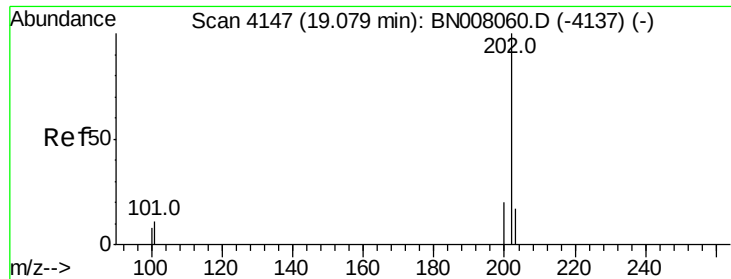
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#15

Fluoranthene

Concen: 0.346 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

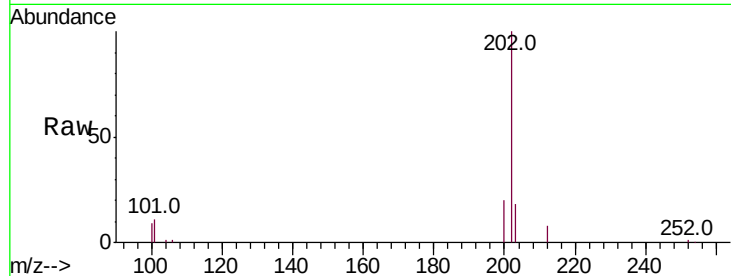
Tot Ion:202 Resp: 20029

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.2

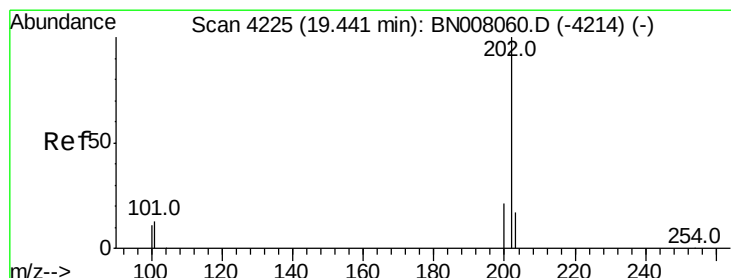
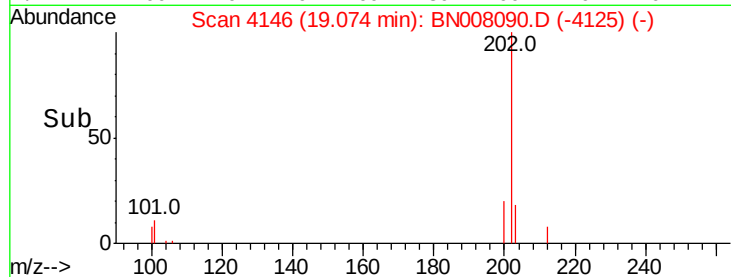
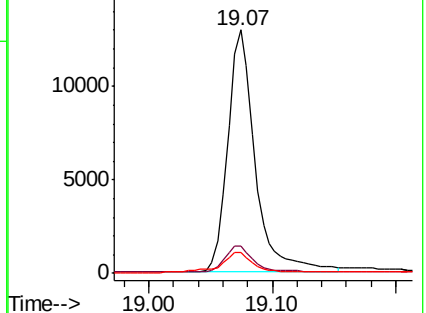
100 8.6 0.0 28.5



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: 0.384 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

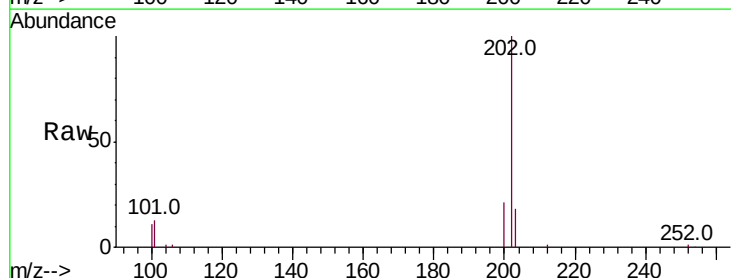
Tgt Ion:202 Resp: 23509

Ion Ratio Lower Upper

202 100

101 13.3 10.9 16.3

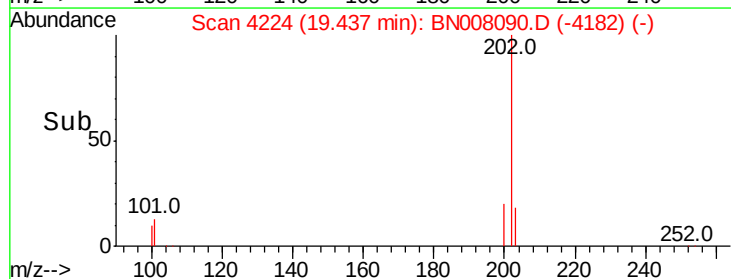
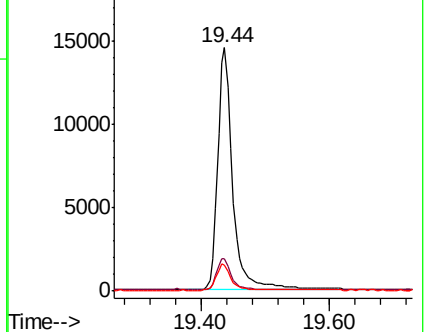
100 10.6 8.7 13.1

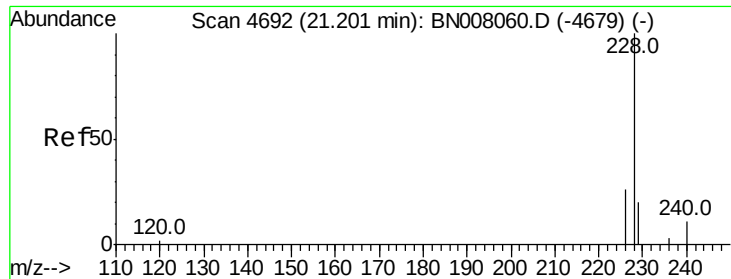


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.340 ng/ul

RT: 21.19 min Scan# 4688

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

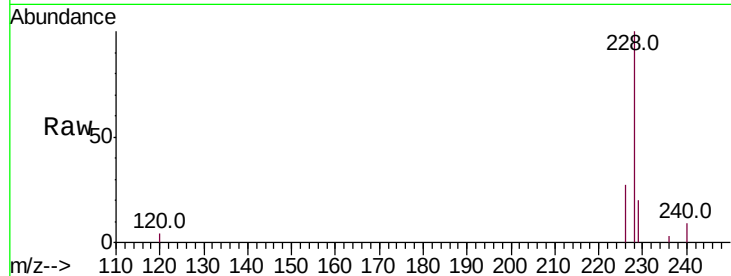
Tot Ion:228 Resp: 18966

Ion Ratio Lower Upper

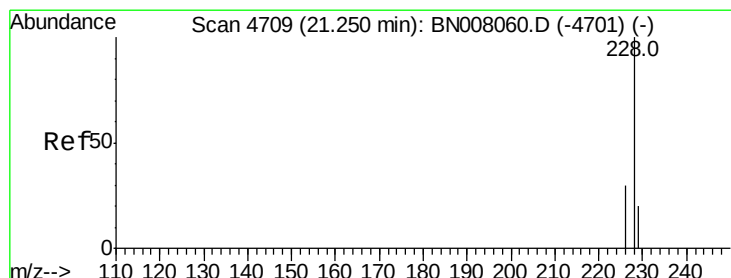
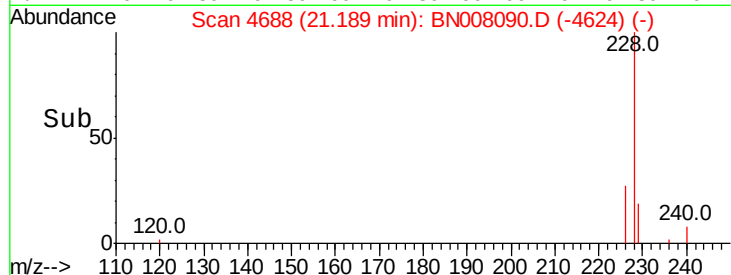
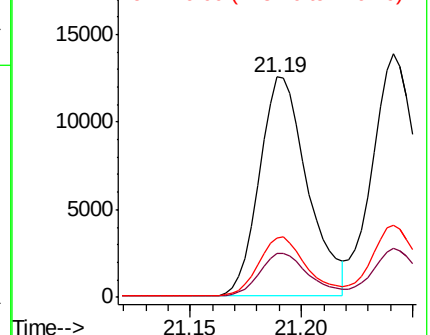
228 100

229 19.8 16.2 24.2

226 27.0 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: 0.368 ng/ul

RT: 21.24 min Scan# 4706

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

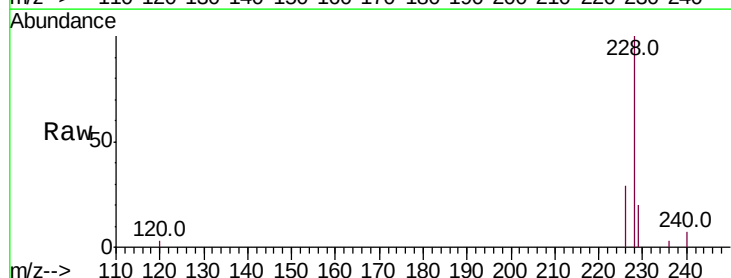
Tgt Ion:228 Resp: 25220

Ion Ratio Lower Upper

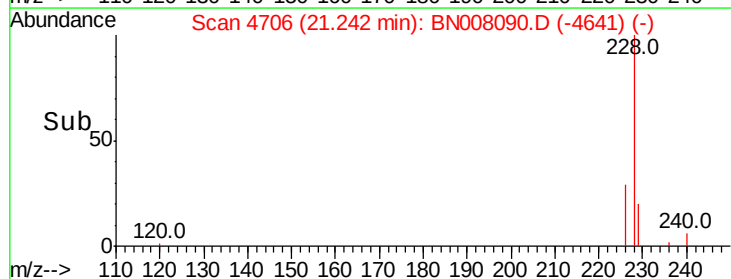
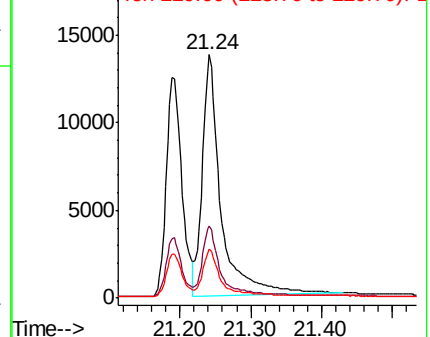
228 100

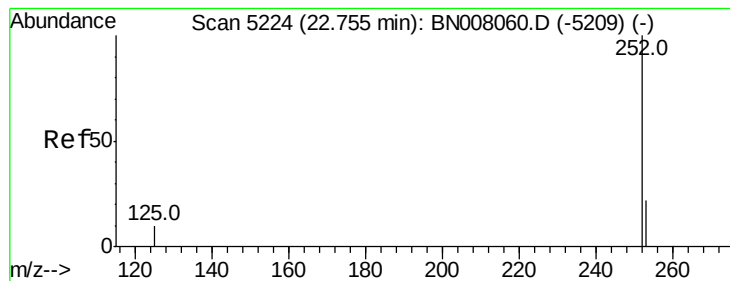
226 29.5 24.1 36.1

229 20.2 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: 0.395 ng/ul

RT: 22.74 min Scan# 5219

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

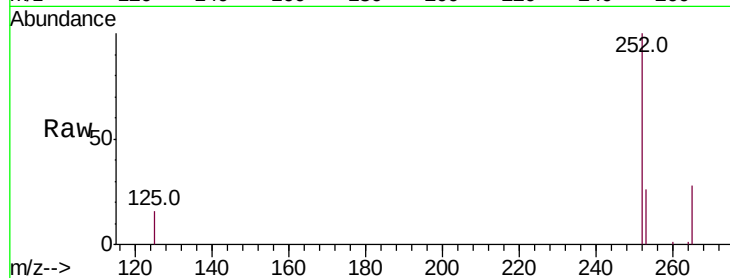
Tot Ion:252 Resp: 21942

Ion Ratio Lower Upper

252 100

253 25.8 0.0 53.4

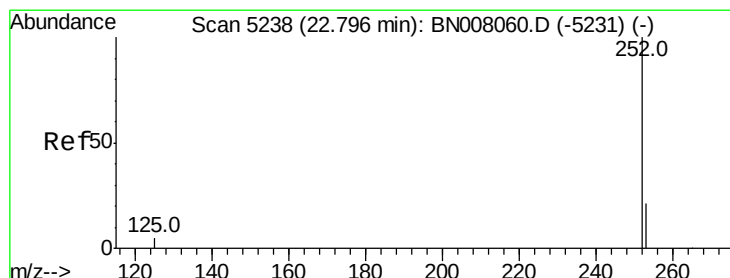
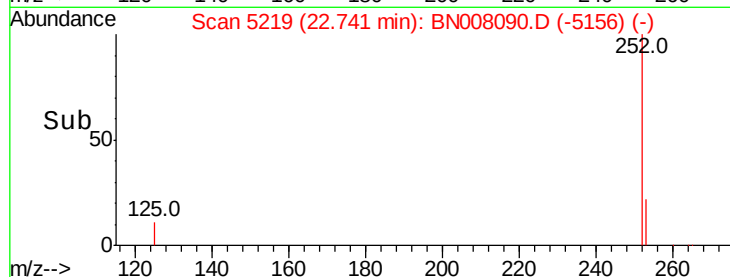
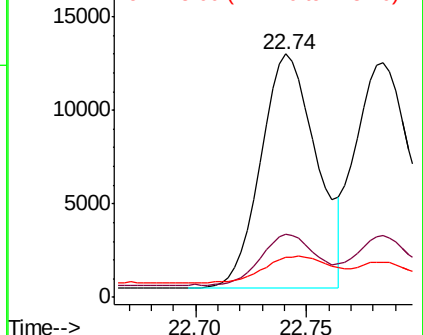
125 16.3 0.0 32.4



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: 0.396 ng/ul

RT: 22.78 min Scan# 5234

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

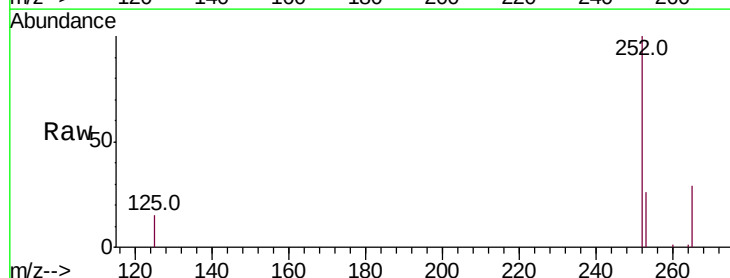
Tgt Ion:252 Resp: 24927

Ion Ratio Lower Upper

252 100

253 26.1 21.3 31.9

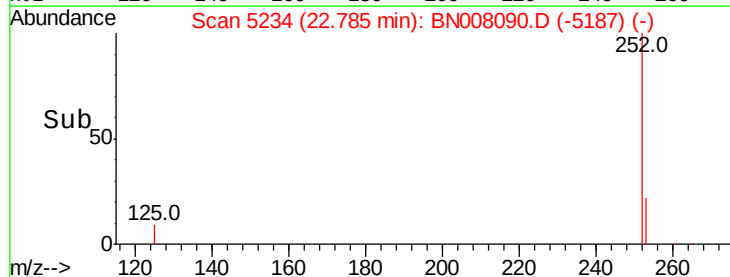
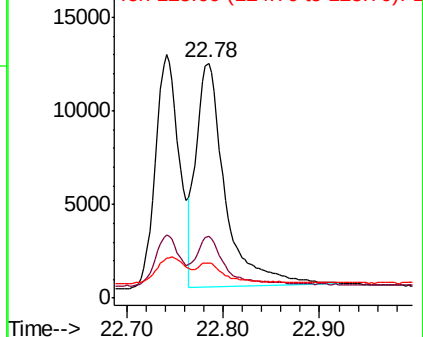
125 15.1 12.3 18.5

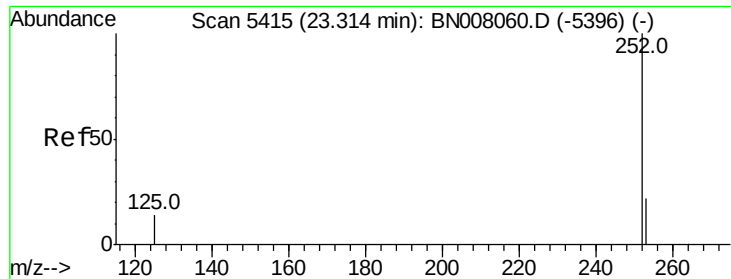


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.394 ng/ul

RT: 23.30 min Scan# 5410

Delta R.T. -0.01 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

Instrument :

BNA_N

ClientSampleId :

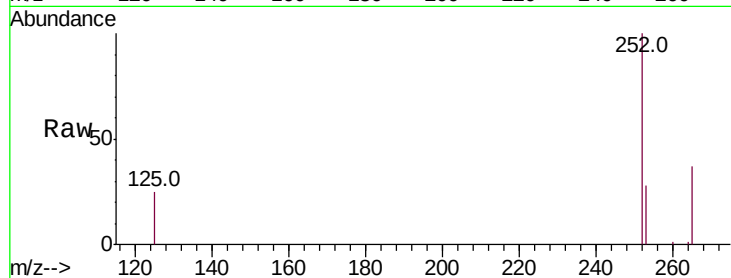
Tot Ion:252 Resp: 23039

Ion Ratio Lower Upper

252 100

253 28.5 22.8 34.2

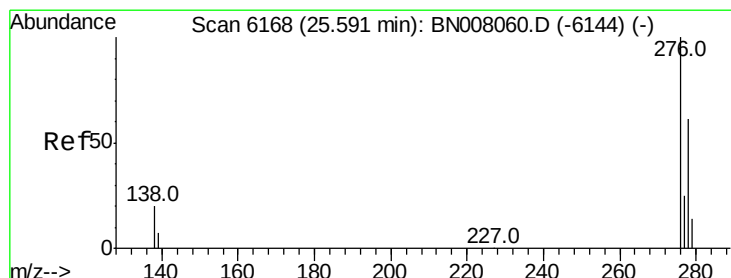
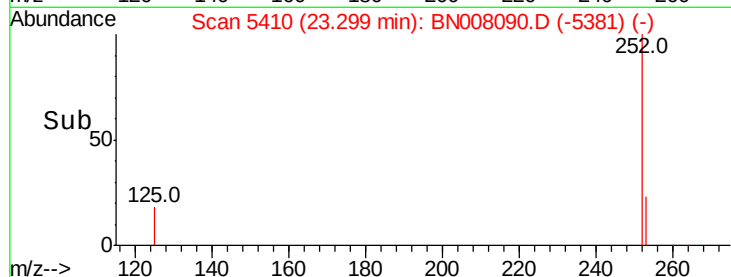
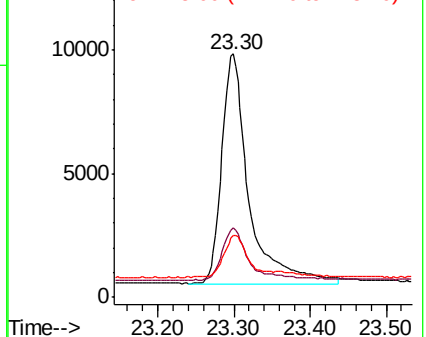
125 25.4 18.4 27.6



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: 0.401 ng/ul

RT: 25.57 min Scan# 6162

Delta R.T. -0.02 min

Lab File: BN008090.D

Acq: 11 Oct 2019 22:40

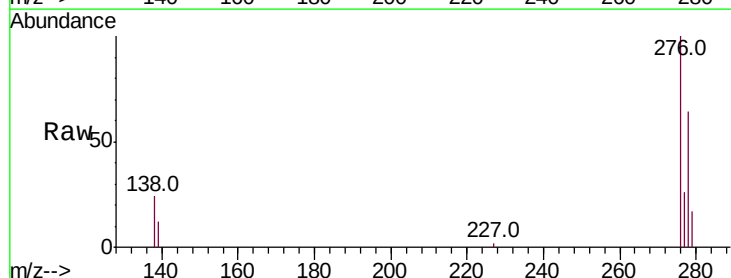
Tgt Ion:276 Resp: 27602

Ion Ratio Lower Upper

276 100

138 19.8 16.1 24.1

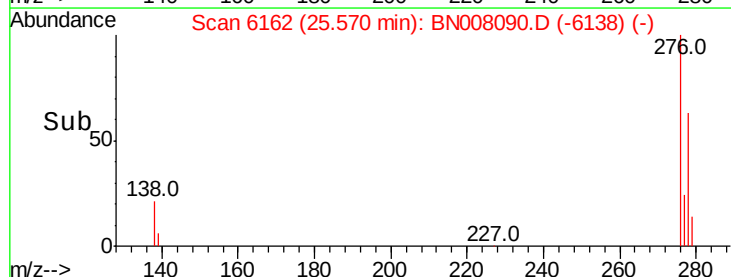
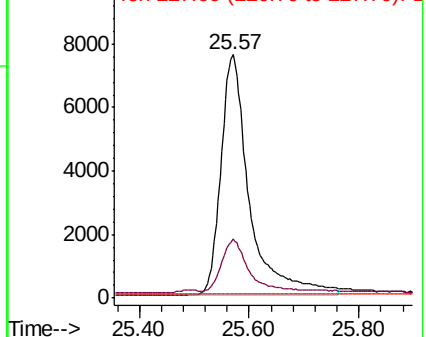
227 0.1 0.2 0.2#

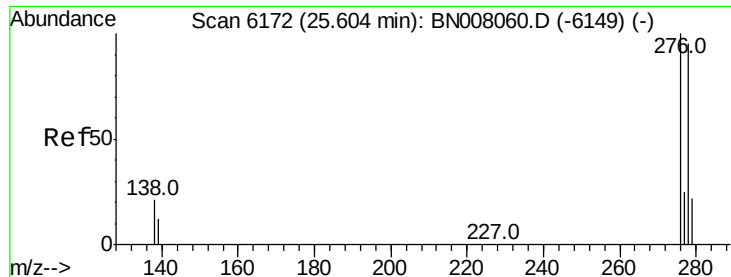


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



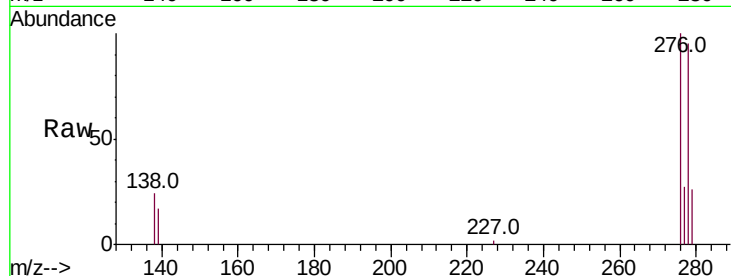


#25

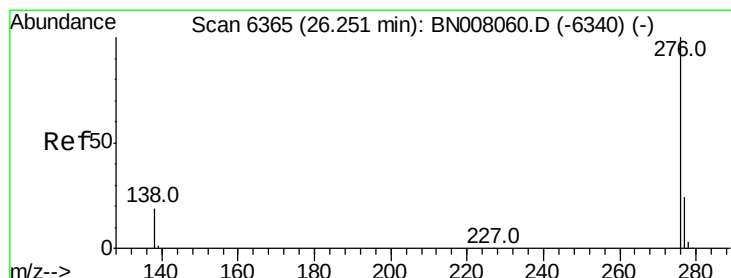
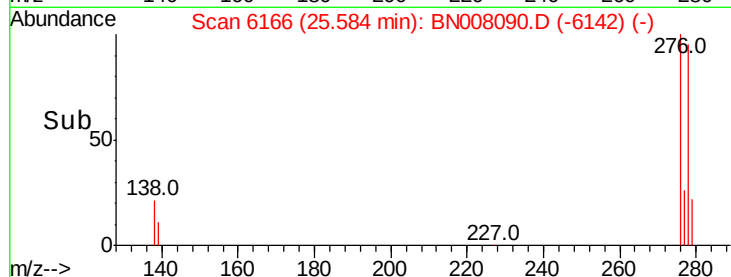
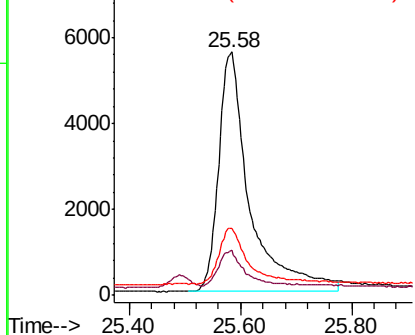
Dibenzo(a,h)anthracene
 Concen: 0.399 ng/ul
 RT: 25.58 min Scan# 6166
 Delta R.T. -0.02 min
 Lab File: BN008090.D
 Acq: 11 Oct 2019 22:40

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 21697
 Ion Ratio Lower Upper
 278 100
 139 18.3 15.0 22.6
 279 27.4 22.4 33.6



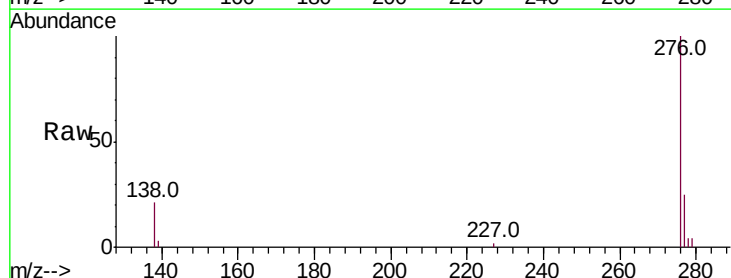
Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene
 Concen: 0.401 ng/ul
 RT: 26.23 min Scan# 6359
 Delta R.T. -0.02 min
 Lab File: BN008090.D
 Acq: 11 Oct 2019 22:40

Tgt Ion:276 Resp: 25340
 Ion Ratio Lower Upper
 276 100
 138 21.3 17.0 25.4
 277 24.8 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

