

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101118\
 Data File : BN003064.D
 Acq On : 10 Oct 2018 14:45
 Operator : MJ/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 11 07:04:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 10 08:36:11 2018
 Response via : Initial Calibration

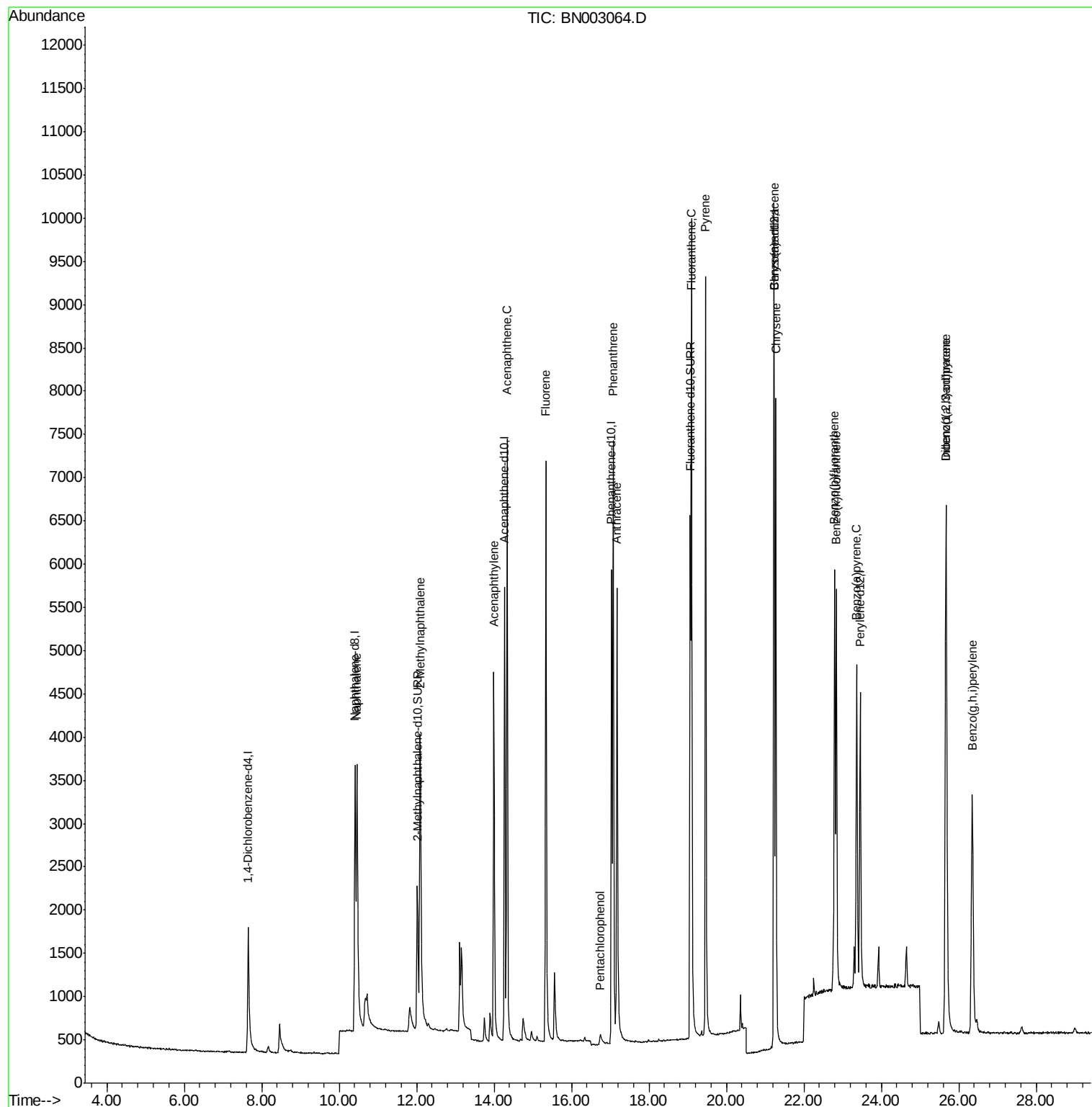
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	1308	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	6069	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	3572	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	8073	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	5662	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	4991	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	3724	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	8433	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.46	128	6092	0.391	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	4293	0.400	ng/ul	100
7) Acenaphthylene	13.99	152	6443	0.394	ng/ul	100
8) Acenaphthene	14.33	153	4971	0.401	ng/ul	100
9) Fluorene	15.34	166	5621	0.396	ng/ul	99
11) Pentachlorophenol	16.74	266	222	0.283	ng/ul	93
12) Phenanthrene	17.07	178	8834	0.393	ng/ul	100
13) Anthracene	17.17	178	8216	0.387	ng/ul	100
15) Fluoranthene	19.09	202	9555	0.362	ng/ul	99
17) Pyrene	19.46	202	9513	0.433	ng/ul	99
18) Benzo(a)anthracene	21.22	228	7198	0.395	ng/ul	99
19) Chrysene	21.28	228	7355	0.398	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	6639	0.369	ng/ul	98
22) Benzo(k)fluoranthene	22.84	252	6843	0.367	ng/ul	98
23) Benzo(a)pyrene	23.36	252	6203	0.385	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.67	276	7596	0.410	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.67	278	6112	0.412	ng/ul	97
26) Benzo(g,h,i)perylene	26.35	276	6489	0.416	ng/ul	99

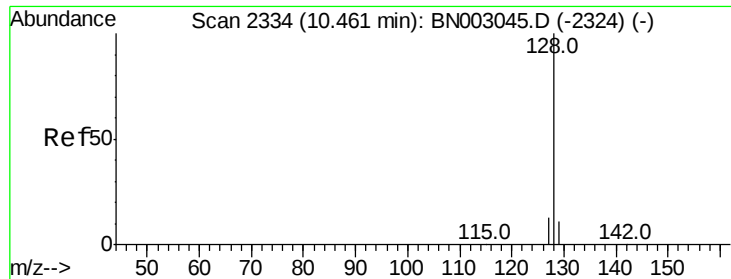
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.391 ng/ul

RT: 10.46 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

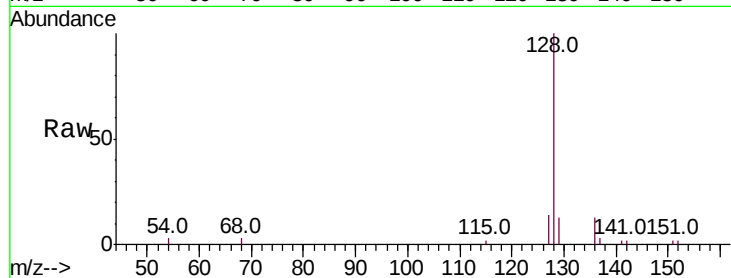
Tot Ion:128 Resp: 6092

Ion Ratio Lower Upper

128 100

129 12.7 10.4 15.6

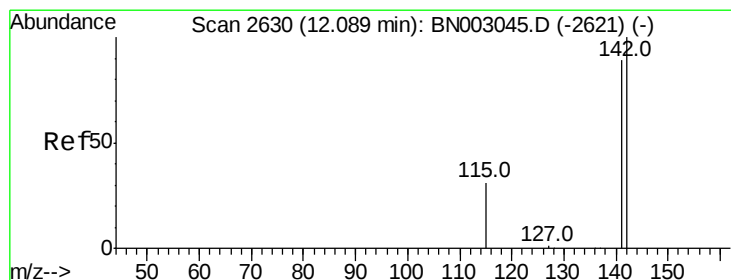
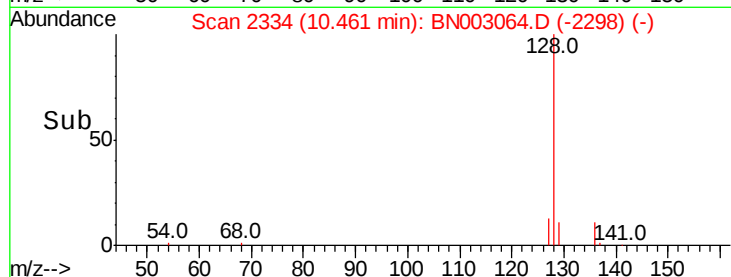
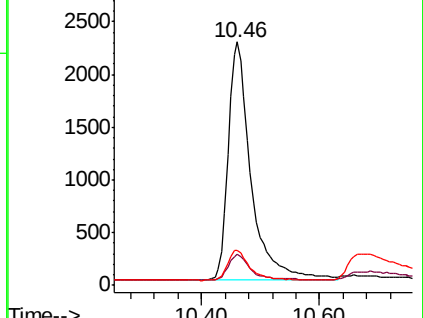
127 14.5 11.7 17.5



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: 0.400 ng/ul

RT: 12.09 min Scan# 2631

Delta R.T. 0.01 min

Lab File: BN003064.D

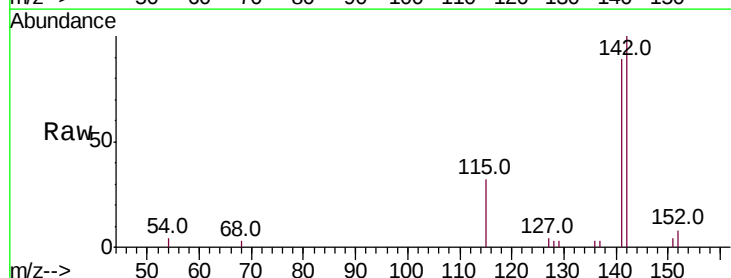
Acq: 10 Oct 2018 14:45

Tgt Ion:142 Resp: 4293

Ion Ratio Lower Upper

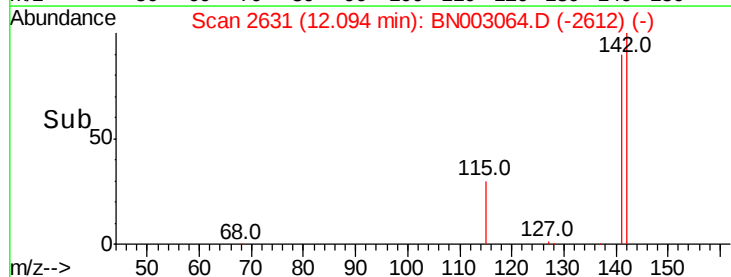
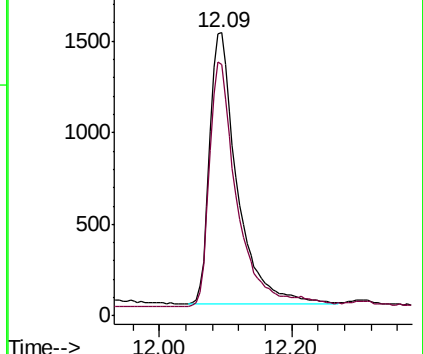
142 100

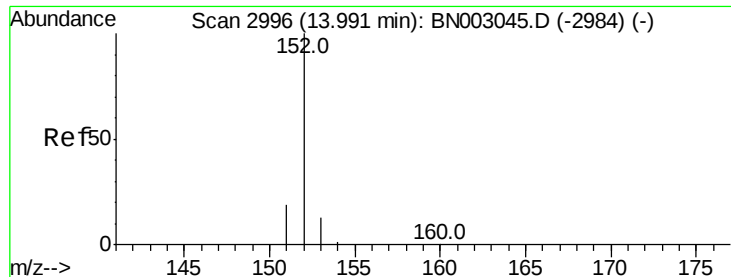
141 92.0 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.394 ng/ul

RT: 13.99 min Scan# 2996

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

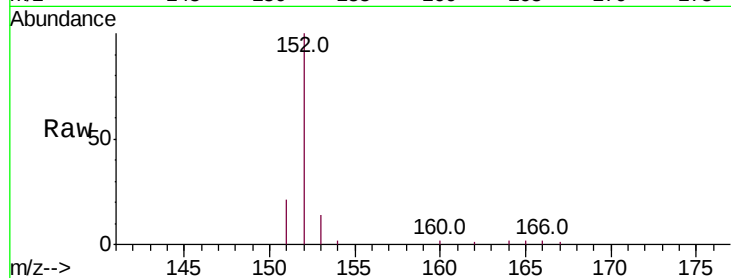
Tot Ion:152 Resp: 6443

Ion Ratio Lower Upper

152 100

151 20.8 16.5 24.7

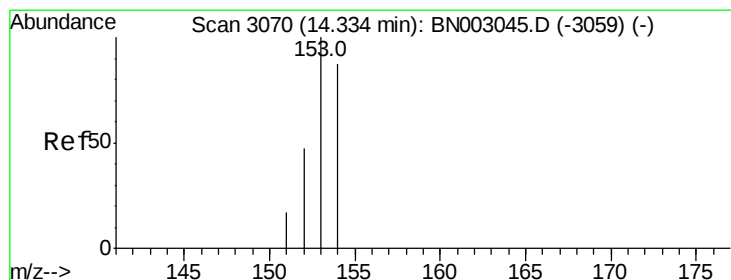
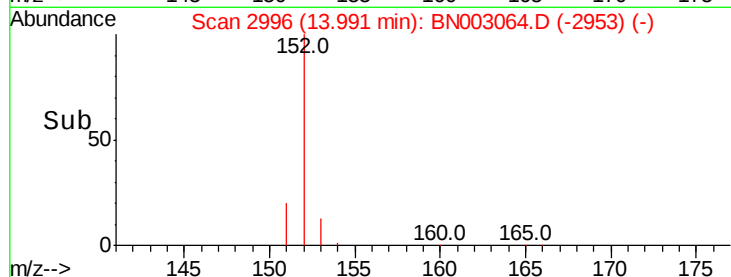
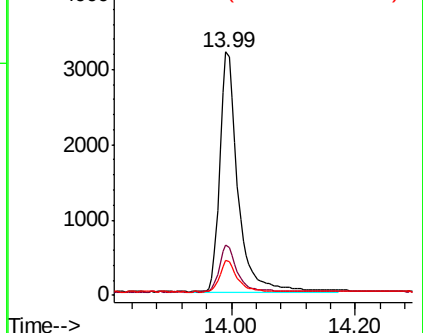
153 14.3 11.4 17.2



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: 0.401 ng/ul

RT: 14.33 min Scan# 3070

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

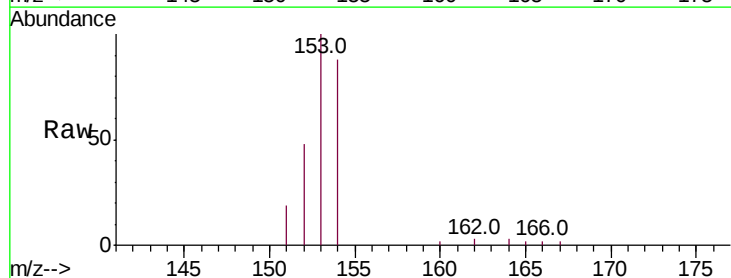
Tgt Ion:153 Resp: 4971

Ion Ratio Lower Upper

153 100

152 48.2 38.2 57.4

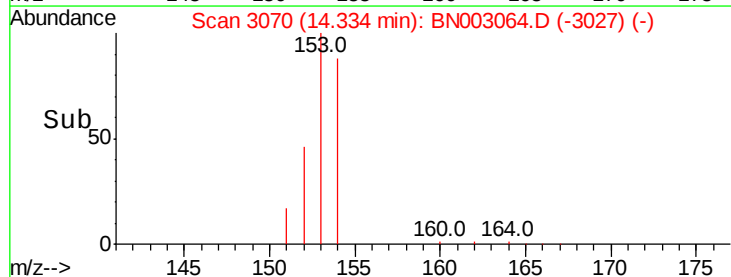
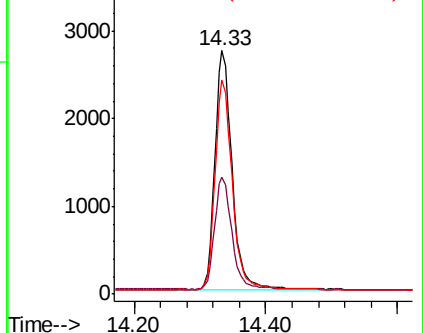
154 87.9 70.2 105.2

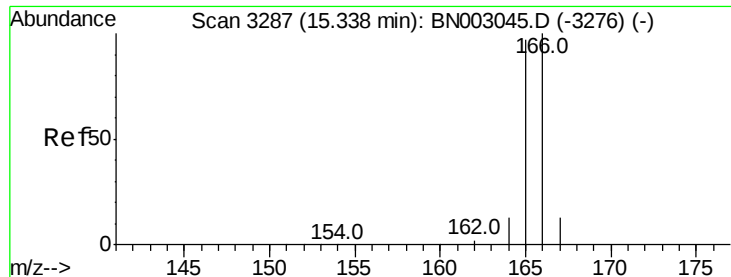


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.396 ng/ul

RT: 15.34 min Scan# 3287

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

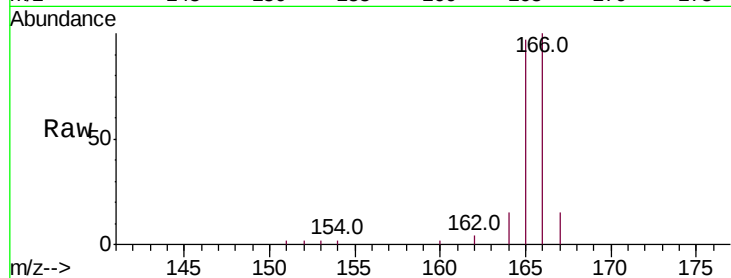
Tot Ion:166 Resp: 5621

Ion Ratio Lower Upper

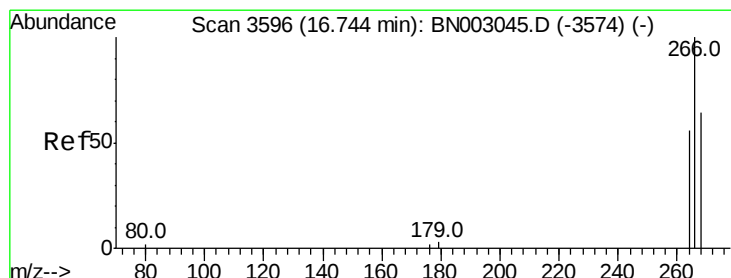
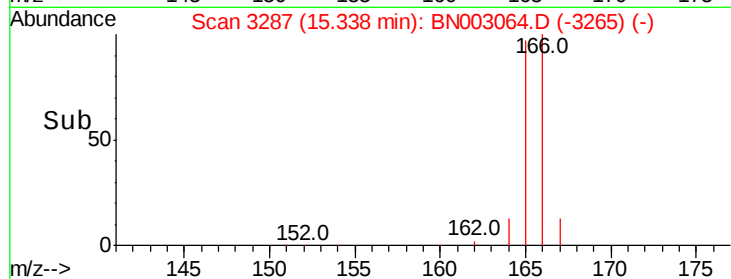
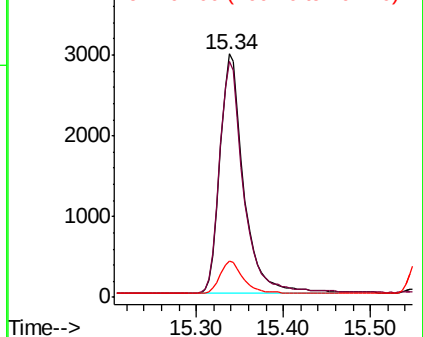
166 100

165 97.1 78.5 117.7

167 14.7 11.6 17.4



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: 0.283 ng/ul

RT: 16.74 min Scan# 3595

Delta R.T. -0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

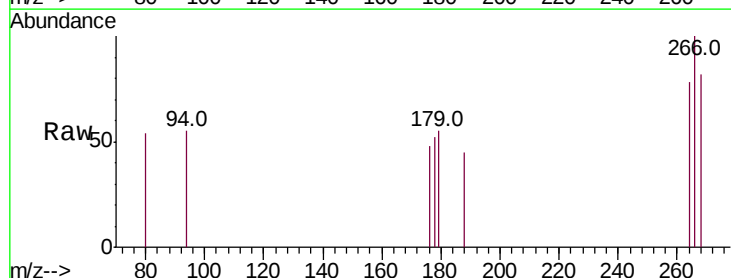
Tgt Ion:266 Resp: 222

Ion Ratio Lower Upper

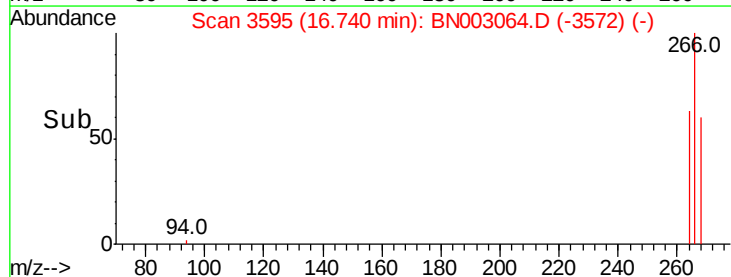
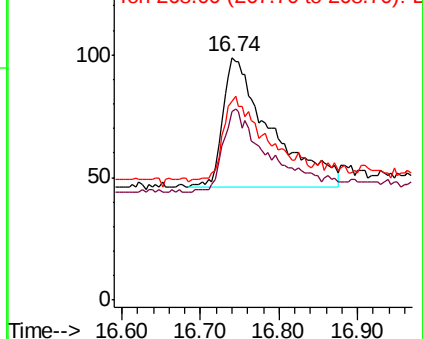
266 100

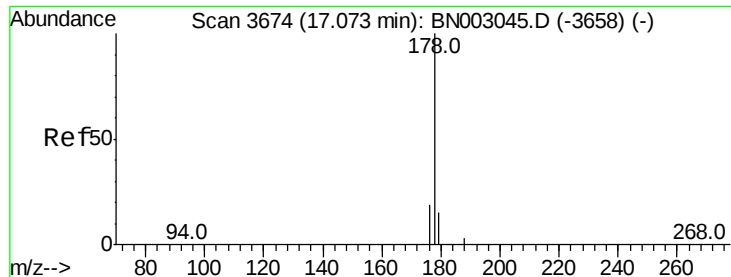
264 56.8 52.5 78.7

268 59.0 48.6 72.8



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

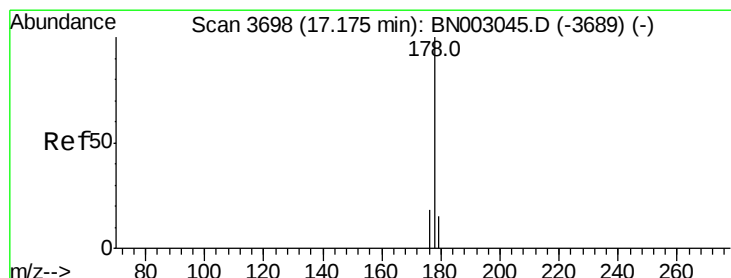
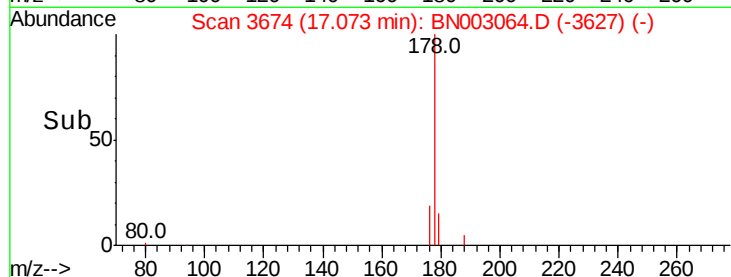
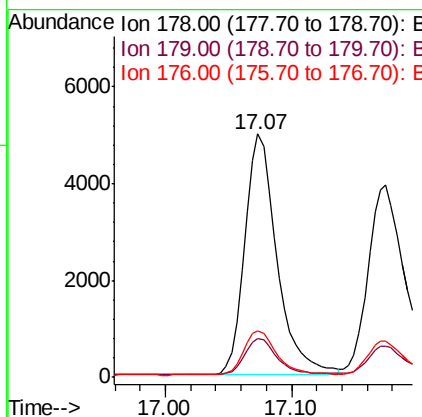
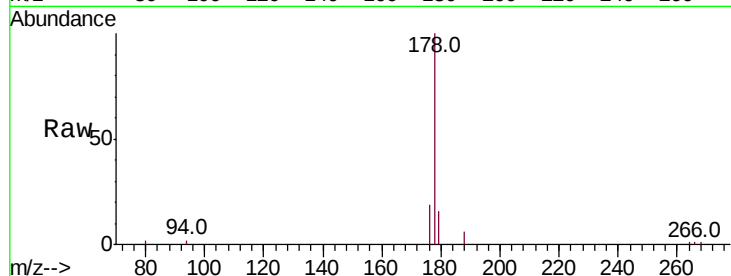




#12
Phenanthrene
Concen: 0.393 ng/ul
RT: 17.07 min Scan# 3674
Delta R.T. 0.00 min
Lab File: BN003064.D
Acq: 10 Oct 2018 14:45

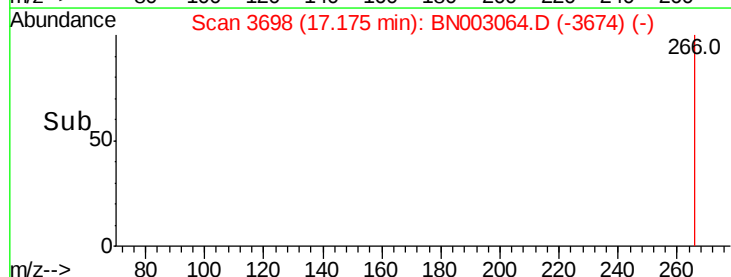
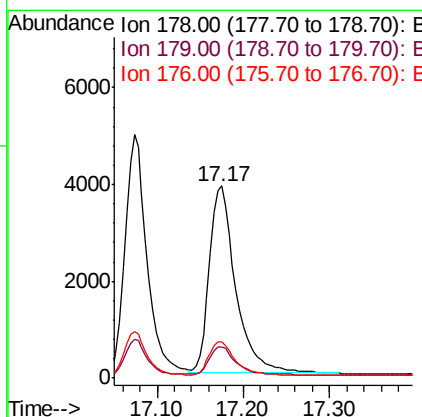
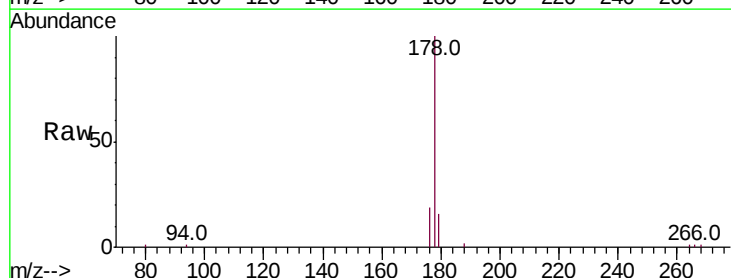
Instrument :
BNA_N
ClientSampleId :

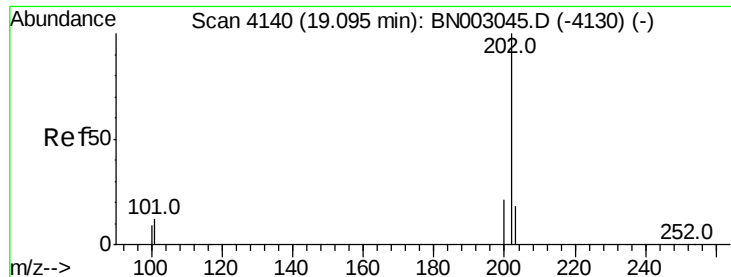
Tot Ion:178 Resp: 8834
Ion Ratio Lower Upper
178 100
179 16.1 12.9 19.3
176 19.3 15.4 23.2



#13
Anthracene
Concen: 0.387 ng/ul
RT: 17.17 min Scan# 3698
Delta R.T. 0.00 min
Lab File: BN003064.D
Acq: 10 Oct 2018 14:45

Tgt Ion:178 Resp: 8216
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.6
176 19.2 15.3 22.9





#15

Fluoranthene

Concen: 0.362 ng/ul

RT: 19.09 min Scan# 4140

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

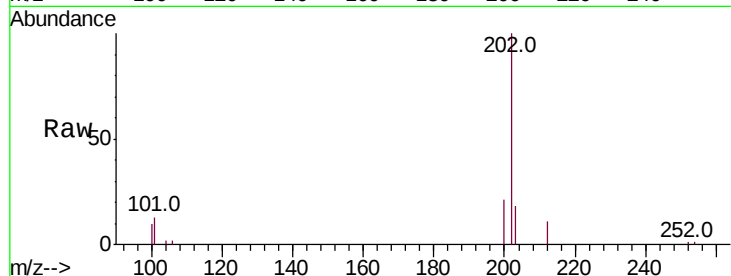
Tot Ion:202 Resp: 9555

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.3

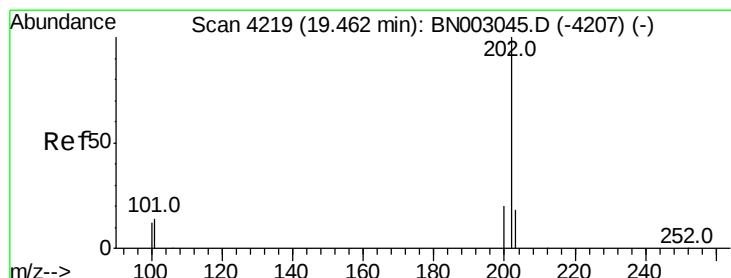
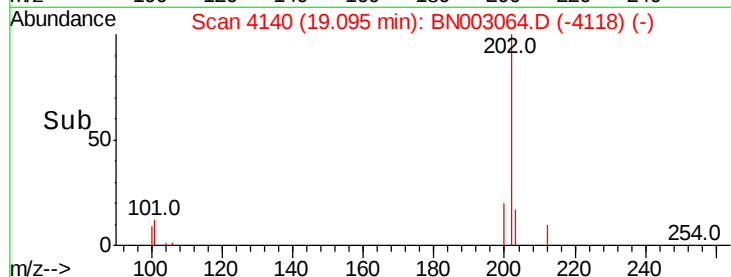
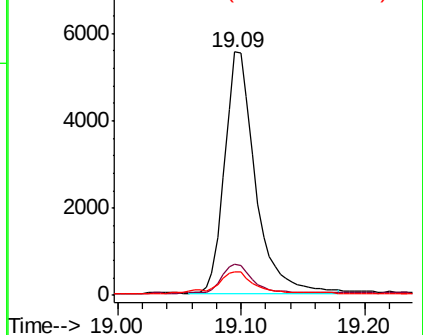
100 9.8 0.0 29.1



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



#17

Pyrene

Concen: 0.433 ng/ul

RT: 19.46 min Scan# 4219

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

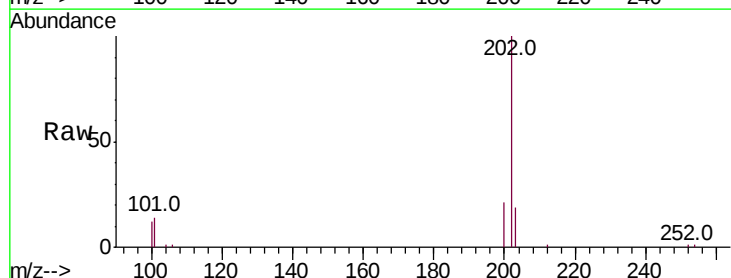
Tgt Ion:202 Resp: 9513

Ion Ratio Lower Upper

202 100

101 14.5 11.9 17.9

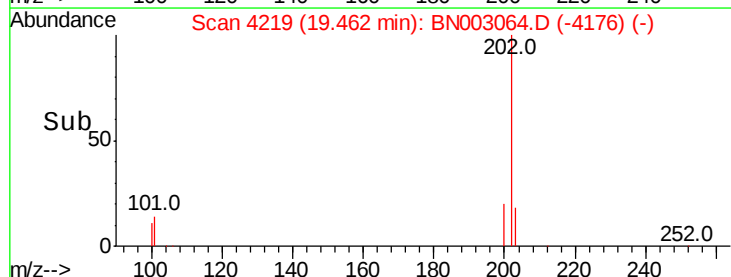
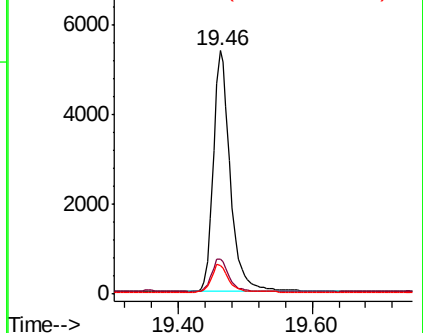
100 11.8 9.9 14.9

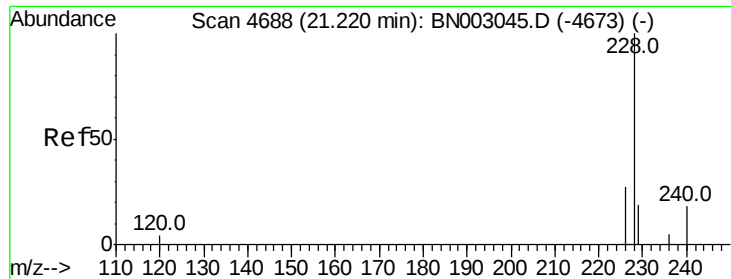


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.395 ng/ul

RT: 21.22 min Scan# 4689

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

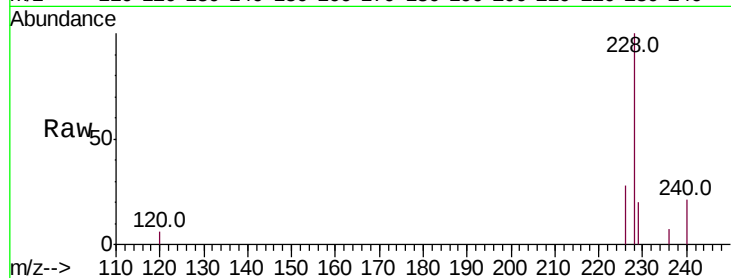
Tot Ion:228 Resp: 7198

Ion Ratio Lower Upper

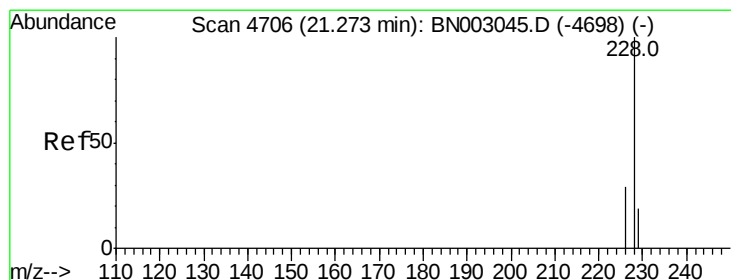
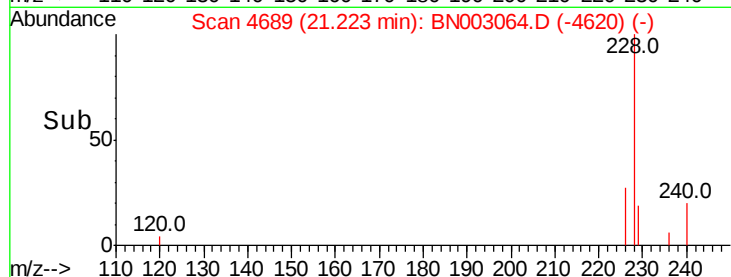
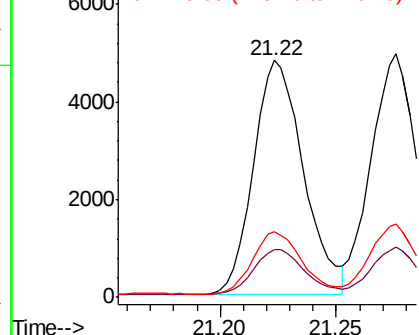
228 100

229 20.4 16.2 24.2

226 27.6 22.3 33.5



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: 0.398 ng/ul

RT: 21.28 min Scan# 4707

Delta R.T. 0.00 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

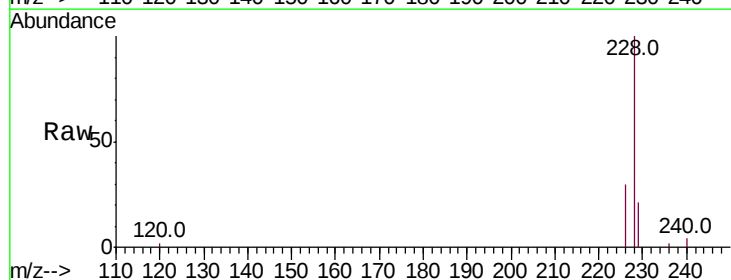
Tgt Ion:228 Resp: 7355

Ion Ratio Lower Upper

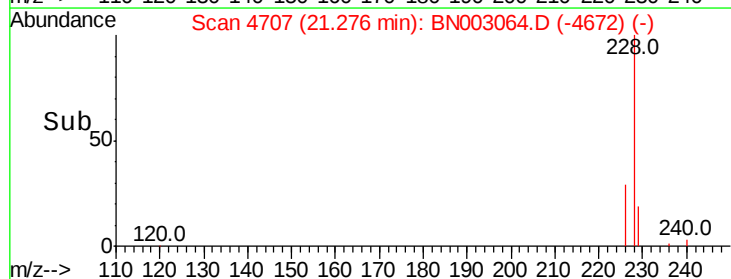
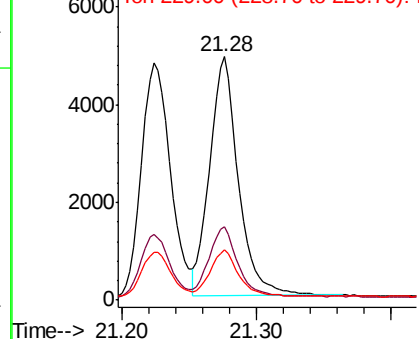
228 100

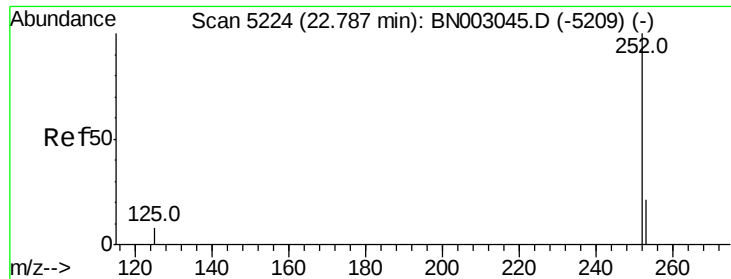
226 30.1 24.2 36.4

229 20.6 16.7 25.1



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: 0.369 ng/u1

RT: 22.79 min Scan# 5226

Delta R.T. 0.01 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

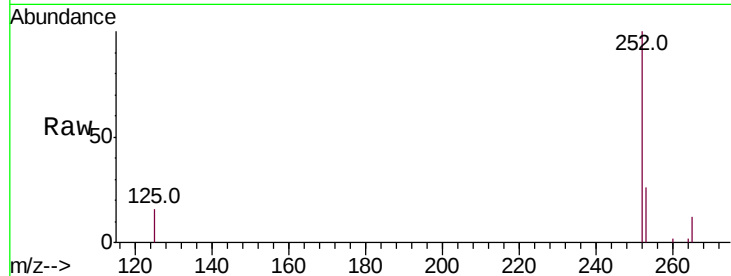
Tot Ion:252 Resp: 6639

Ion Ratio Lower Upper

252 100

253 25.7 0.0 53.2

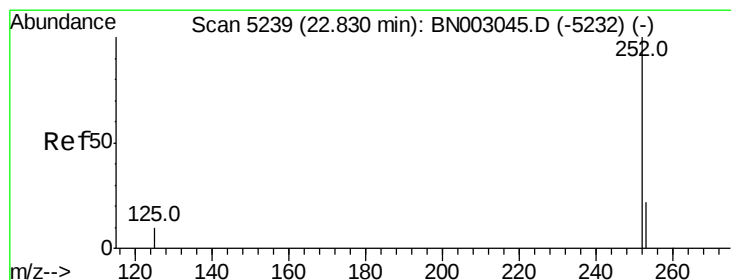
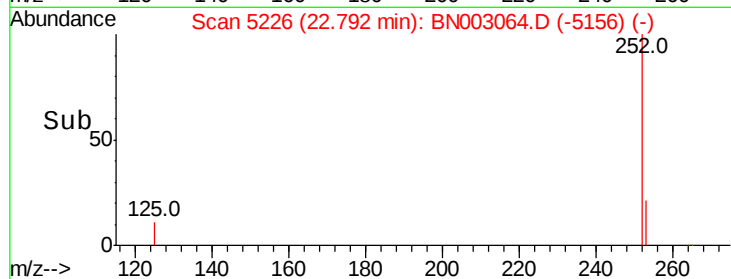
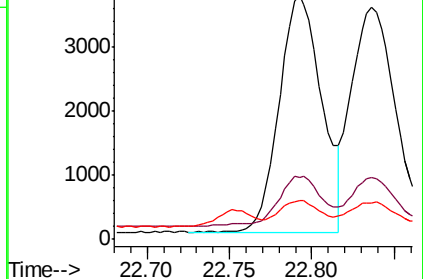
125 15.9 0.0 34.2



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: 0.367 ng/u1

RT: 22.84 min Scan# 5241

Delta R.T. 0.01 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

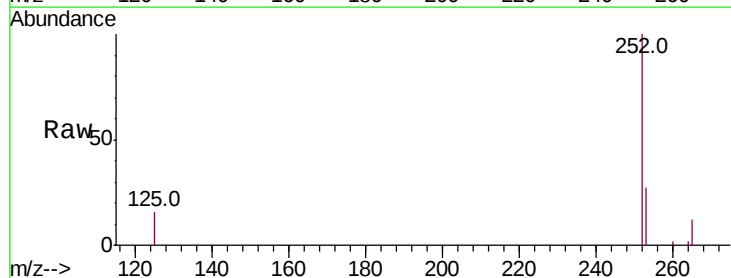
Tgt Ion:252 Resp: 6843

Ion Ratio Lower Upper

252 100

253 26.8 21.3 31.9

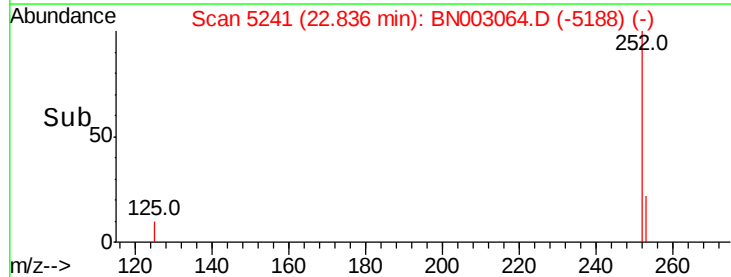
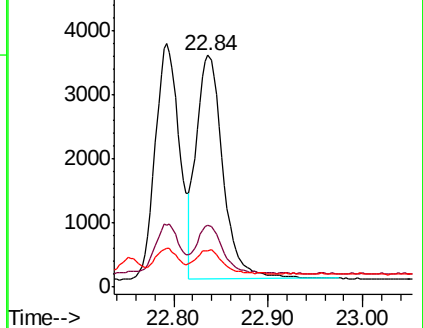
125 15.8 14.1 21.1

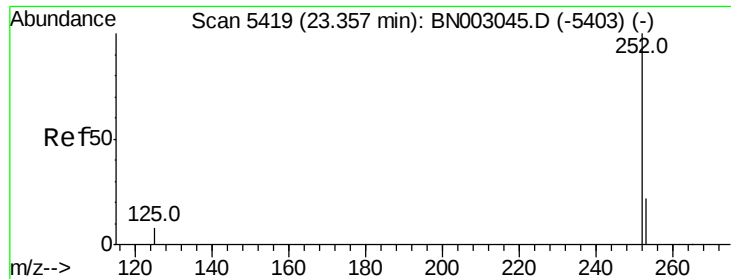


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.385 ng/ul

RT: 23.36 min Scan# 5421

Delta R.T. 0.01 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

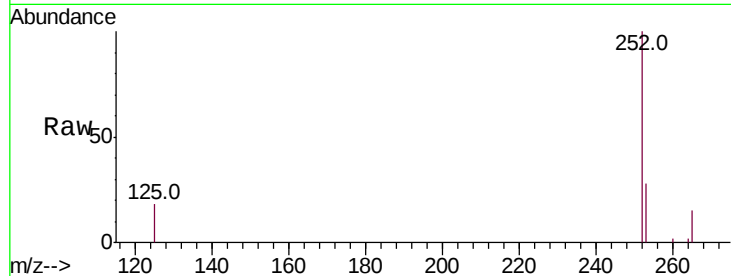
Tot Ion:252 Resp: 6203

Ion Ratio Lower Upper

252 100

253 27.6 23.1 34.7

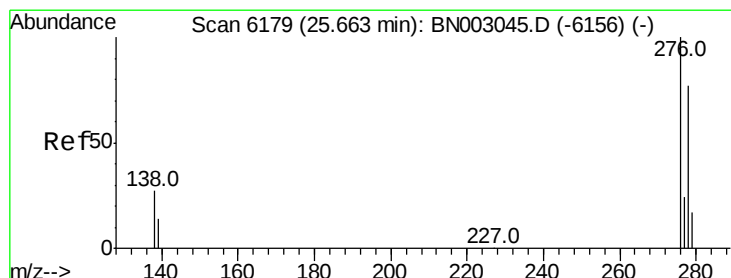
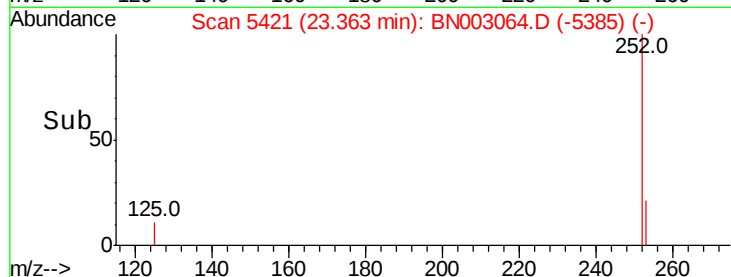
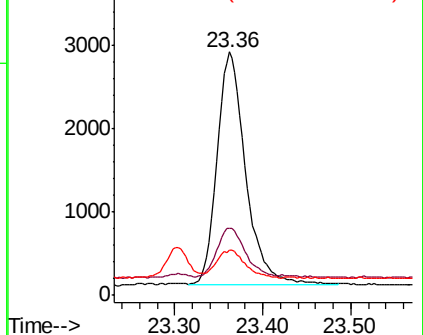
125 18.3 16.9 25.3



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: 0.410 ng/ul

RT: 25.67 min Scan# 6181

Delta R.T. 0.01 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

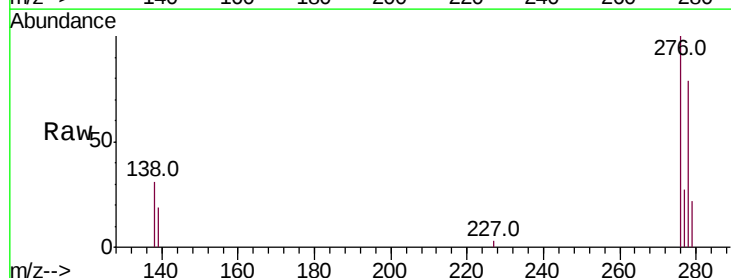
Tgt Ion:276 Resp: 7596

Ion Ratio Lower Upper

276 100

138 27.8 21.5 32.3

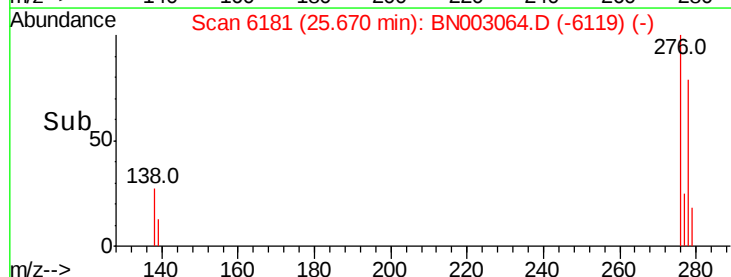
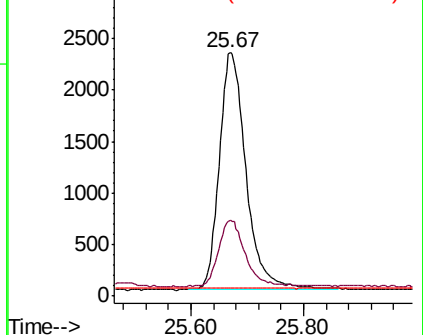
227 0.1 0.3 0.5#

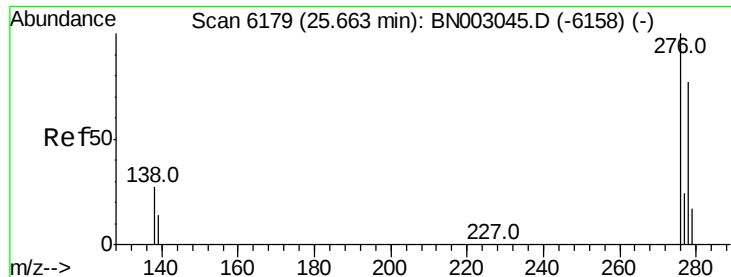


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.412 ng/ul

RT: 25.67 min Scan# 6182

Delta R.T. 0.01 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

Instrument :

BNA_N

ClientSampleId :

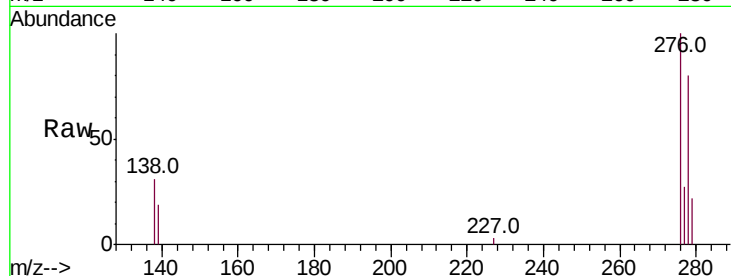
Tot Ion:278 Resp: 6112

Ion Ratio Lower Upper

278 100

139 23.7 20.2 30.4

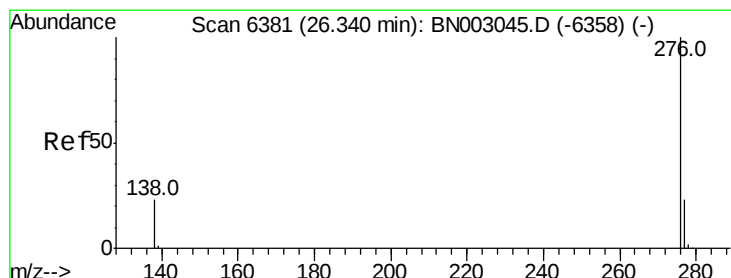
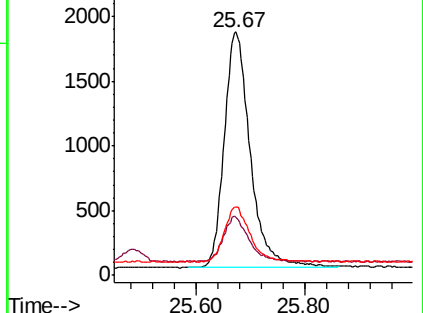
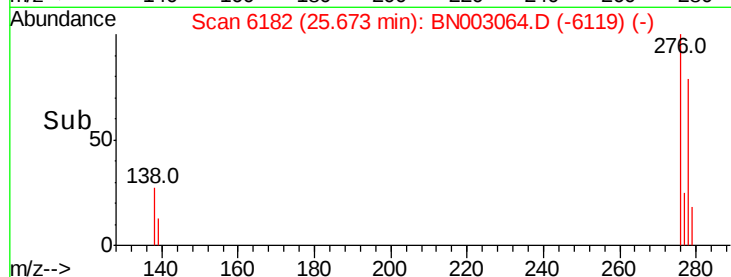
279 27.9 23.8 35.8



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: 0.416 ng/ul

RT: 26.35 min Scan# 6384

Delta R.T. 0.01 min

Lab File: BN003064.D

Acq: 10 Oct 2018 14:45

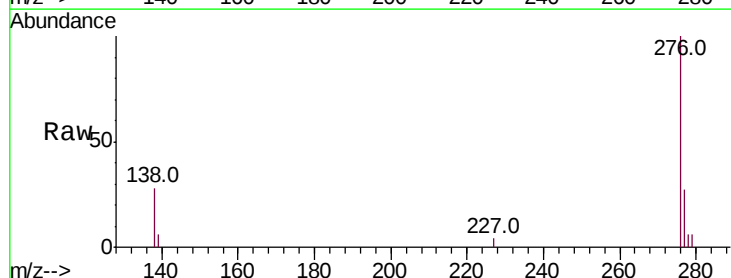
Tgt Ion:276 Resp: 6489

Ion Ratio Lower Upper

276 100

138 28.2 23.0 34.4

277 27.1 22.0 33.0



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

