

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN007033.D
 Acq On : 08 Aug 2019 19:40
 Operator : HP/JU
 Sample : K3962-22DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 09 02:04:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

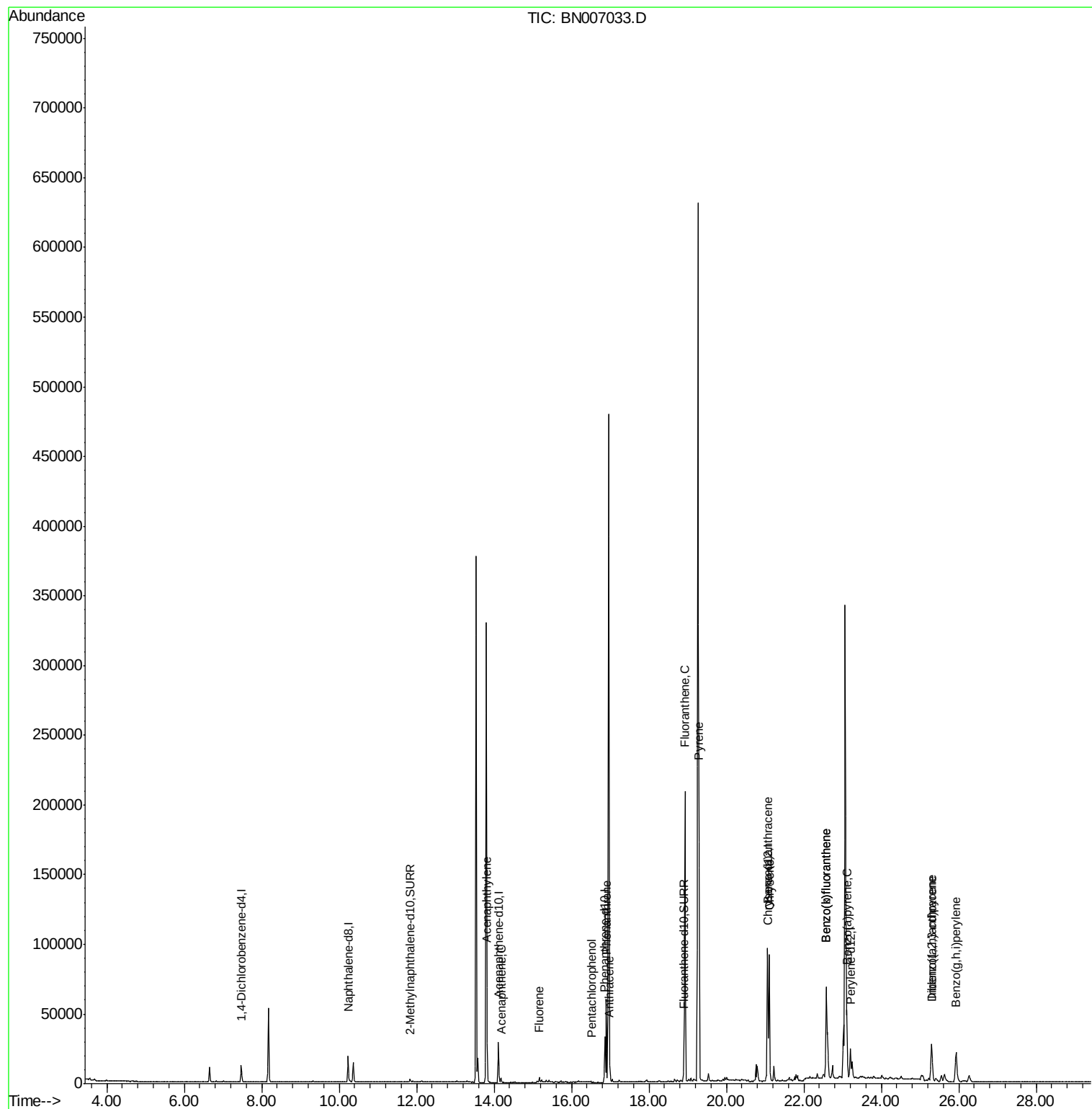
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	6128	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	24609	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	15298	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	38588	0.40	ng/ul	0.00
16) Chrysene-d12	21.07	240	29816	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	26910	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	2504	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	7783	0.06	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.82	152	3141	0.035	ng/ul#	93
8) Acenaphthene	14.18	153	1774	0.029	ng/ul	97
9) Fluorene	15.17	166	2315	0.031	ng/ul#	96
11) Pentachlorophenol	16.52	266	378	0.036	ng/ul#	84
12) Phenanthrene	16.90	178	61127	0.497	ng/ul	100
13) Anthracene	16.99	178	9936	0.079	ng/ul	98
15) Fluoranthene	18.93	202	185842	1.216	ng/ul	100
17) Pyrene	19.29	202	162578	1.221	ng/ul	98
18) Benzo(a)anthracene	21.06	228	74673	0.570	ng/ul	97
19) Chrysene	21.11	228	85688	0.699	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	136744	1.253	ng/ul	99
22) Benzo(k)fluoranthene	22.58	252	136744	1.293	ng/ul	100
23) Benzo(a)pyrene	23.11	252	61537	0.599	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.30	276	42379	0.383	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.31	278	10095	0.114	ng/ul#	84
26) Benzo(a,h,i)perylene	25.93	276	42985	0.463	ng/ul	99

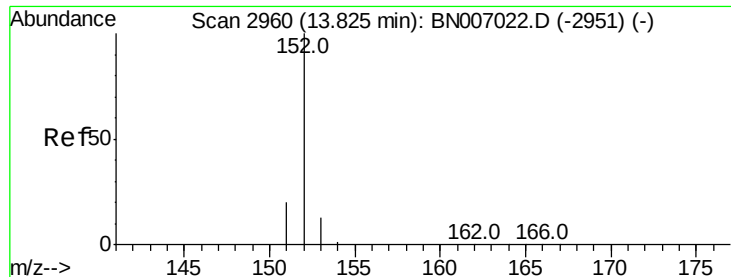
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 13.82 min Scan# 2960

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

Instrument :

BNA_N

ClientSampleId :

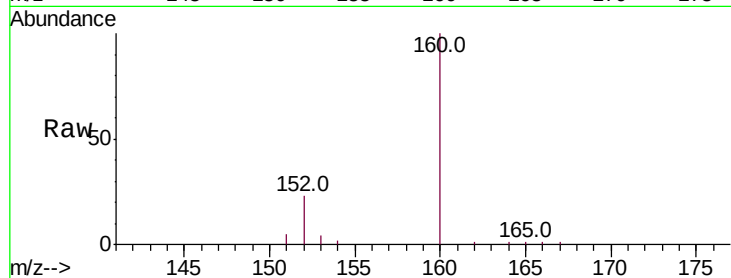
Tot Ion:152 Resp: 3141

Ion Ratio Lower Upper

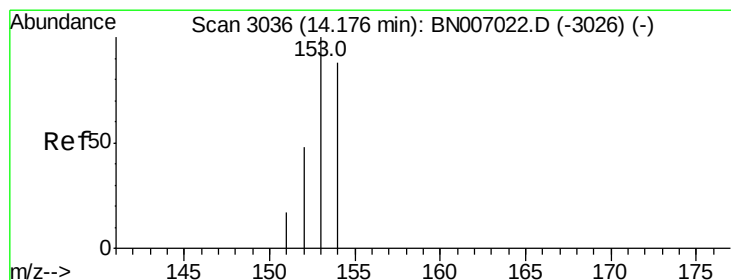
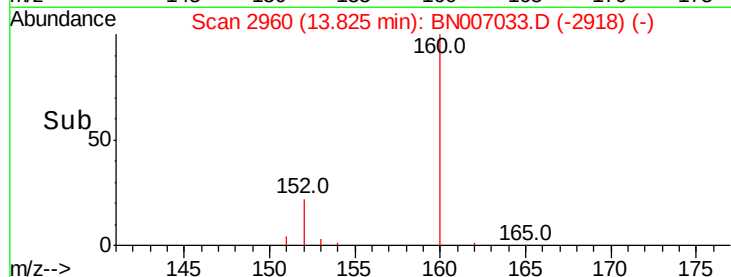
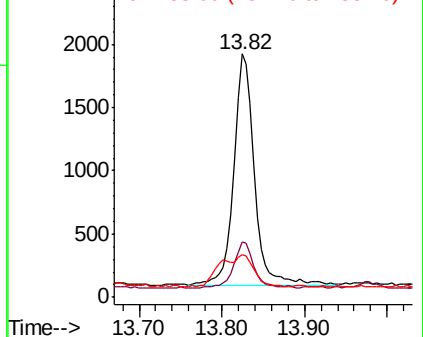
152 100

151 22.8 16.3 24.5

153 17.5 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: 0.029 ng/ul

RT: 14.18 min Scan# 3036

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

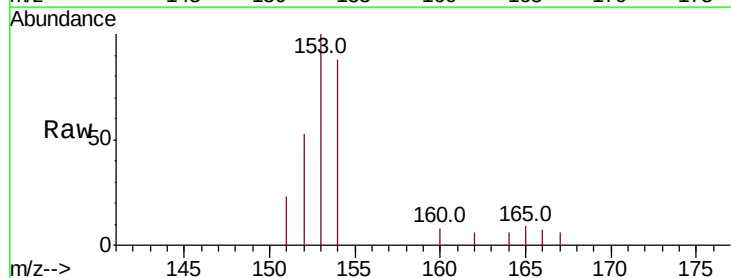
Tgt Ion:153 Resp: 1774

Ion Ratio Lower Upper

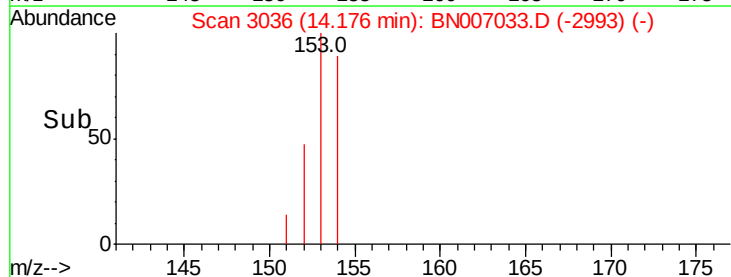
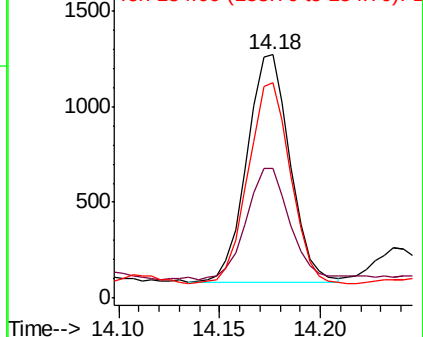
153 100

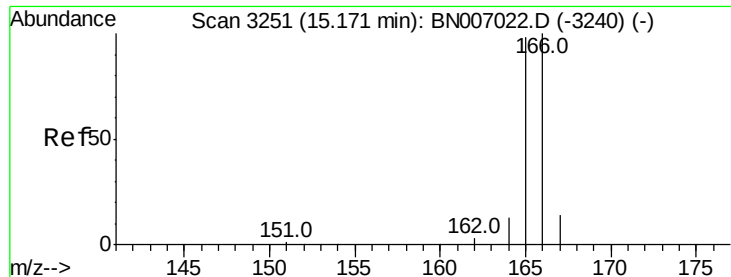
152 53.1 39.4 59.2

154 88.4 70.1 105.1



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

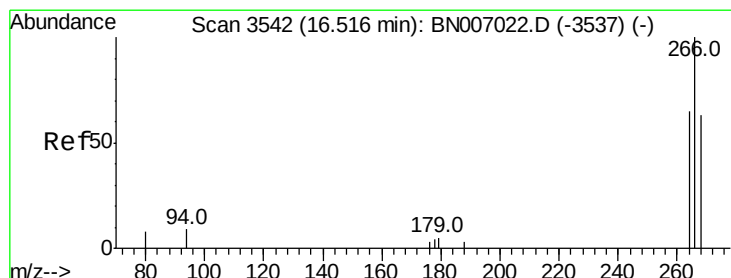
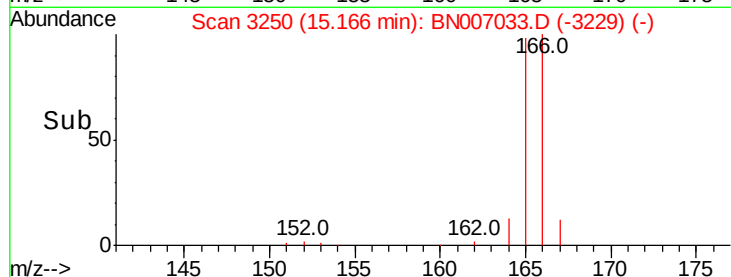
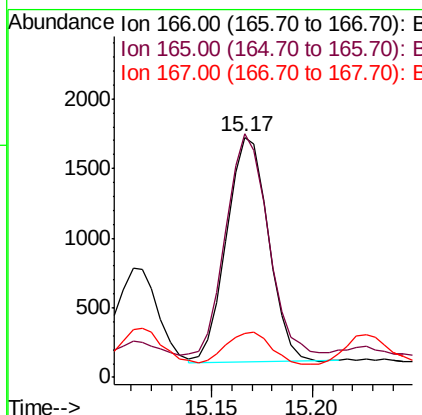
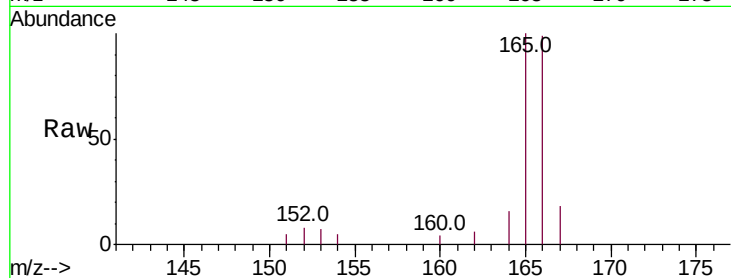




#9
Fluorene
 Concen: 0.031 ng/ul
 RT: 15.17 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: BN007033.D
 Acq: 08 Aug 2019 19:40

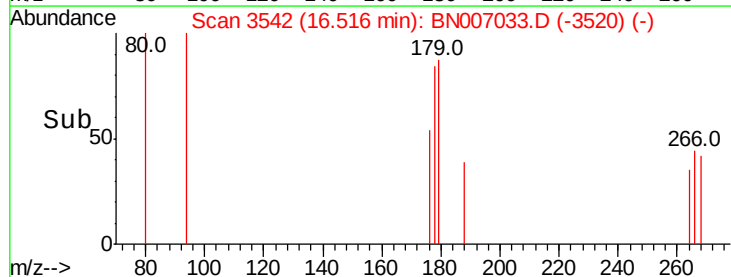
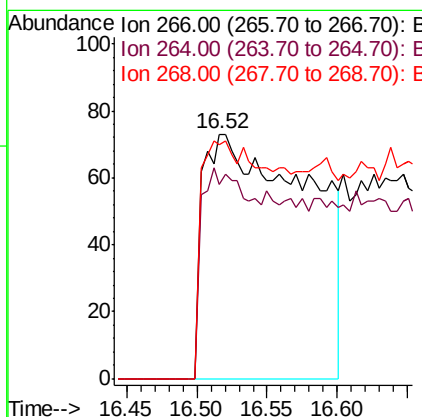
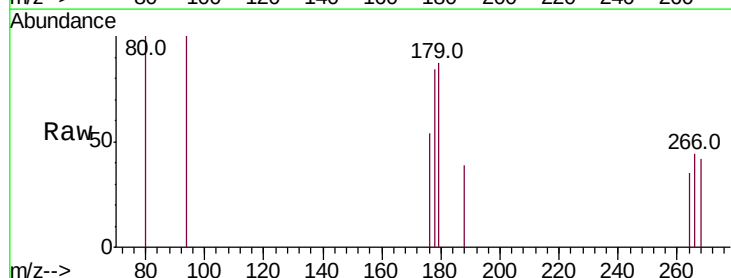
Instrument :
 BNA_N
 ClientSampleId :

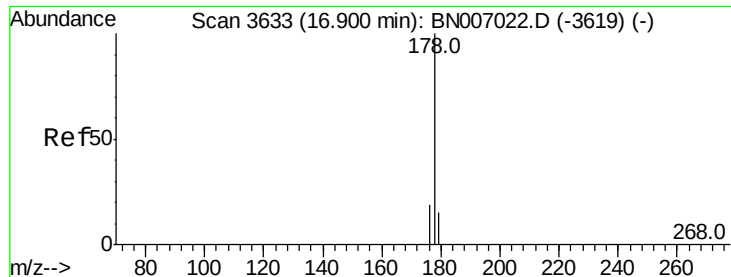
Tot Ion:166 Resp: 2315
 Ion Ratio Lower Upper
 166 100
 165 101.5 78.8 118.2
 167 18.3 11.3 16.9#



#11
Pentachlorophenol
 Concen: 0.036 ng/ul
 RT: 16.52 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: BN007033.D
 Acq: 08 Aug 2019 19:40

Tgt Ion:266 Resp: 378
 Ion Ratio Lower Upper
 266 100
 264 88.4 55.7 83.5#
 268 104.2 75.2 112.8





#12

Phenanthrene

Concen: 0.497 ng/ul

RT: 16.90 min Scan# 3633

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

Instrument :

BNA_N

ClientSampleId :

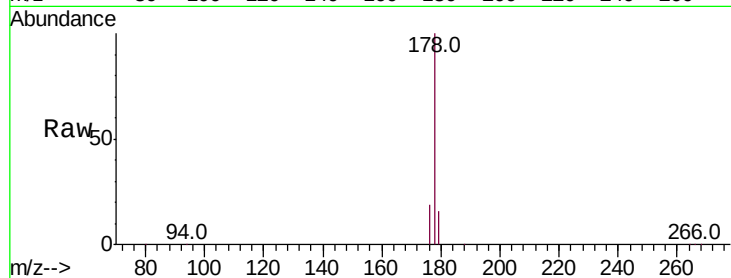
Tot Ion:178 Resp: 61127

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

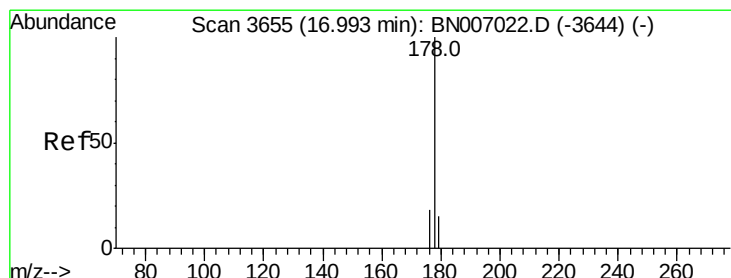
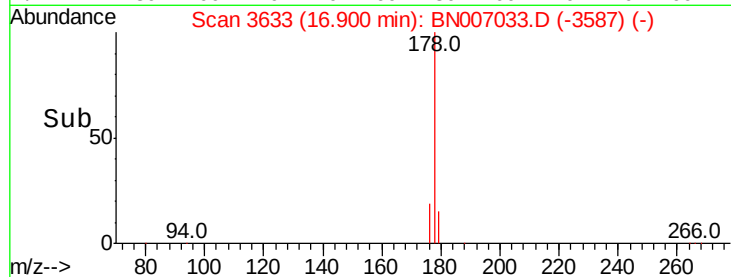
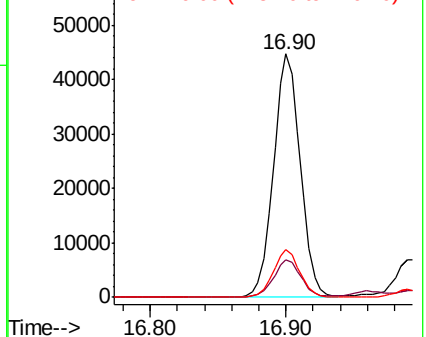
176 19.4 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E

60000 Ion 179.00 (178.70 to 179.70): E

50000 Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.079 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

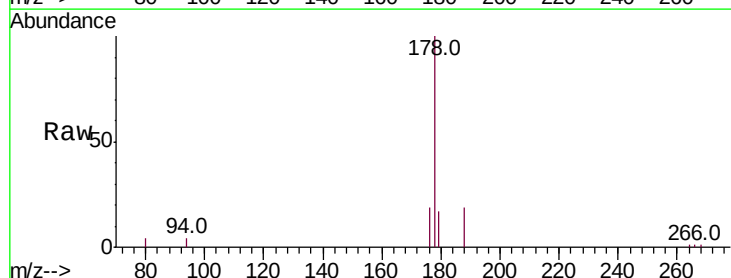
Tgt Ion:178 Resp: 9936

Ion Ratio Lower Upper

178 100

179 17.3 12.6 18.8

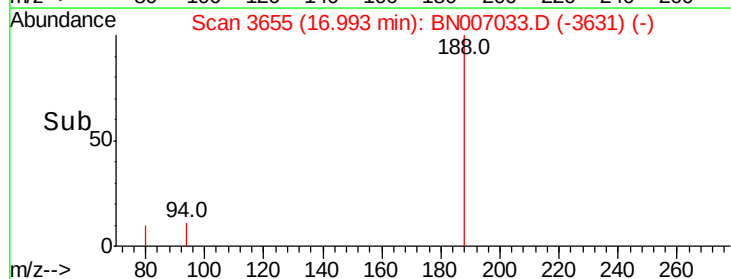
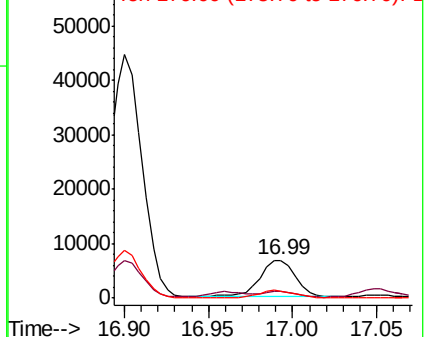
176 19.4 15.4 23.0

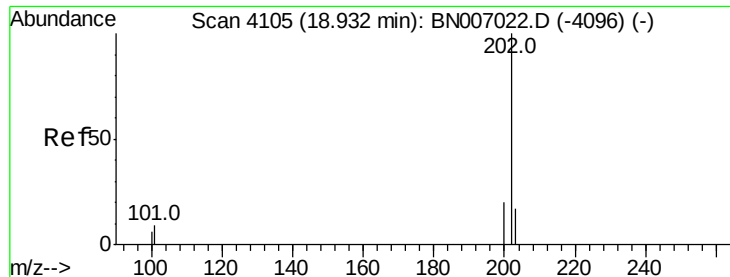


Abundance Ion 178.00 (177.70 to 178.70): E

60000 Ion 179.00 (178.70 to 179.70): E

50000 Ion 176.00 (175.70 to 176.70): E

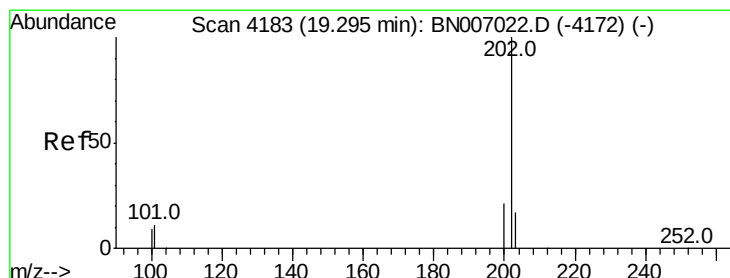
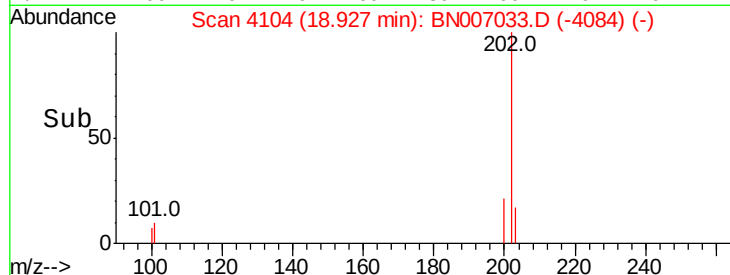
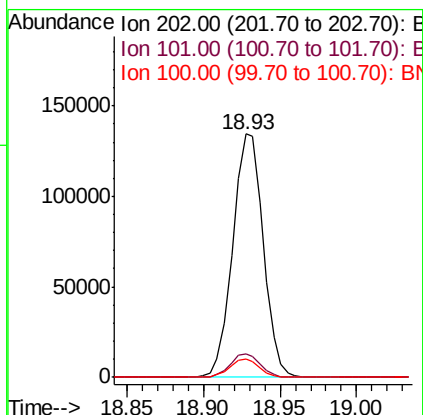
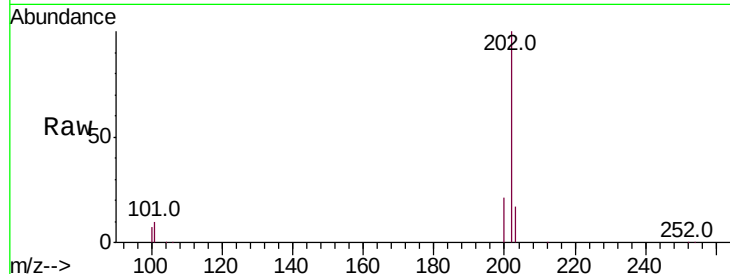




#15
Fluoranthene
Concen: 1.216 ng/ul
RT: 18.93 min Scan# 4104
Delta R.T. -0.00 min
Lab File: BN007033.D
Acq: 08 Aug 2019 19:40

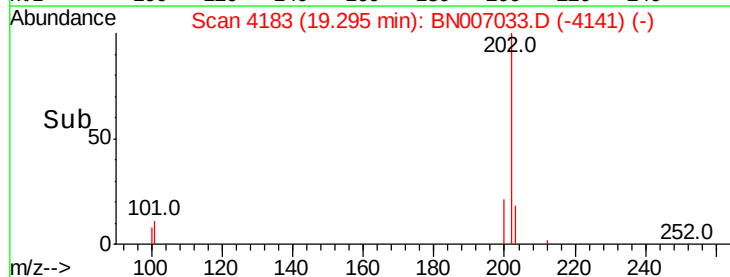
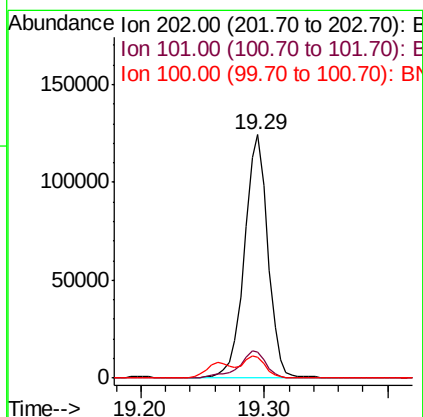
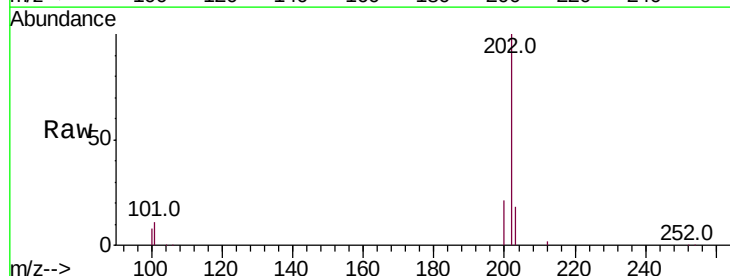
Instrument :
BNA_N
ClientSampleId :

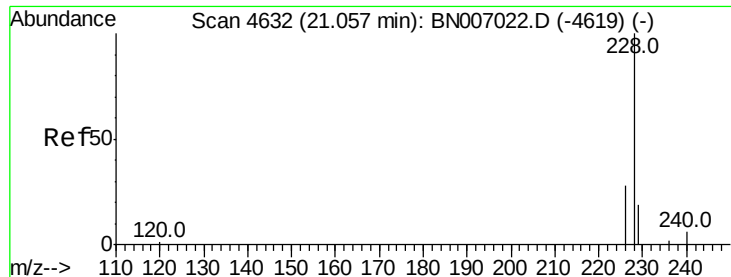
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.0
100	7.5	0.0	27.7



#17
Pyrene
Concen: 1.221 ng/ul
RT: 19.29 min Scan# 4183
Delta R.T. -0.00 min
Lab File: BN007033.D
Acq: 08 Aug 2019 19:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.3	13.9
100	8.4	7.3	10.9





#18

Benzo(a)anthracene

Concen: 0.570 ng/ul

RT: 21.06 min Scan# 4633

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

Instrument :

BNA_N

ClientSampleId :

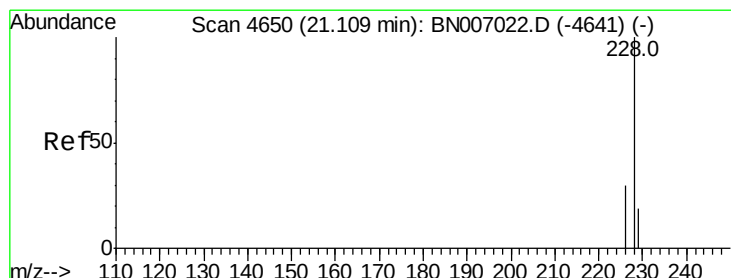
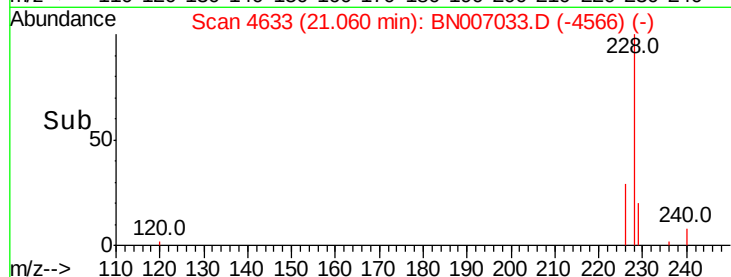
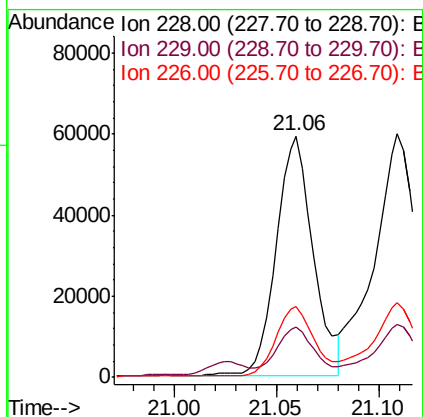
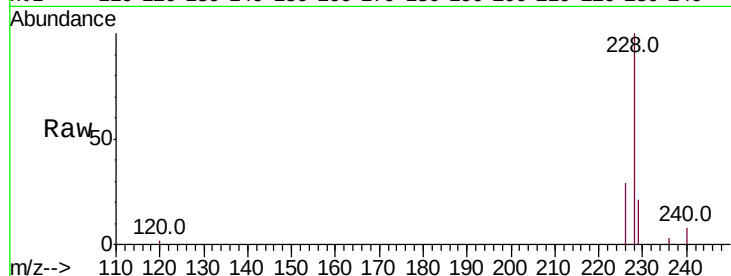
Tot Ion:228 Resp: 74673

Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

226 29.4 22.2 33.4



#19

Chrysene

Concen: 0.699 ng/ul

RT: 21.11 min Scan# 4650

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

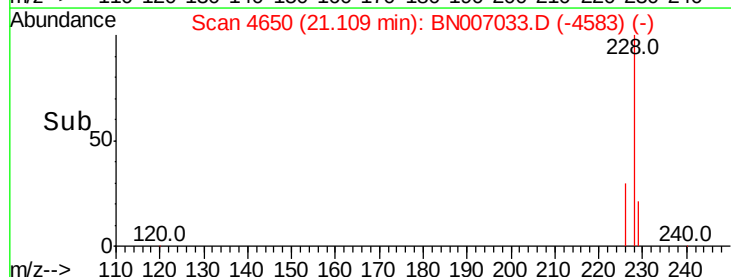
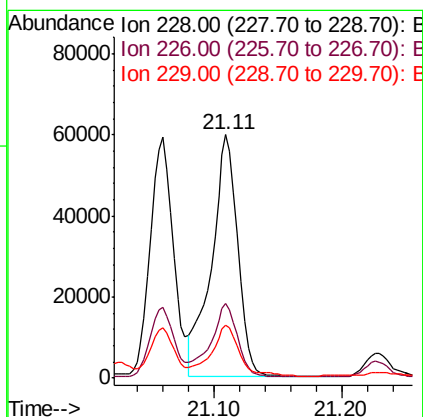
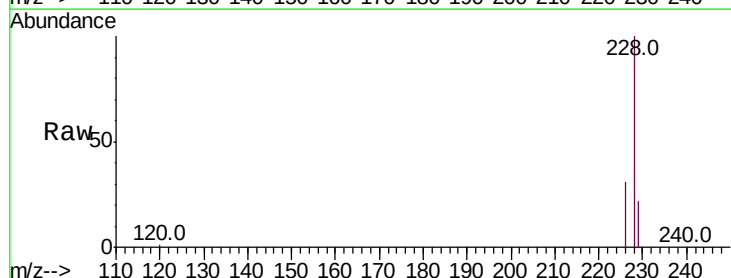
Tgt Ion:228 Resp: 85688

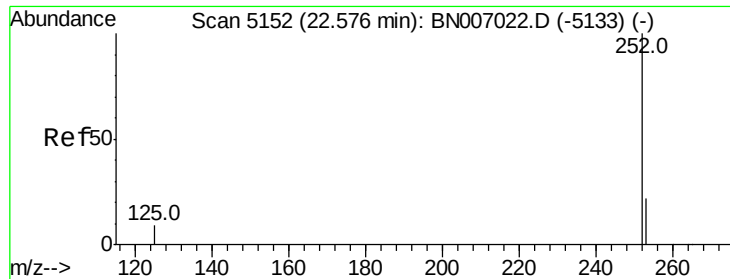
Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 21.8 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 1.253 ng/ul

RT: 22.58 min Scan# 5152

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

Instrument :

BNA_N

ClientSampleId :

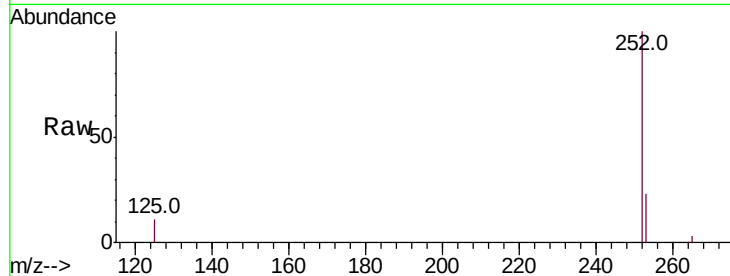
Tot Ion:252 Resp: 136744

Ion Ratio Lower Upper

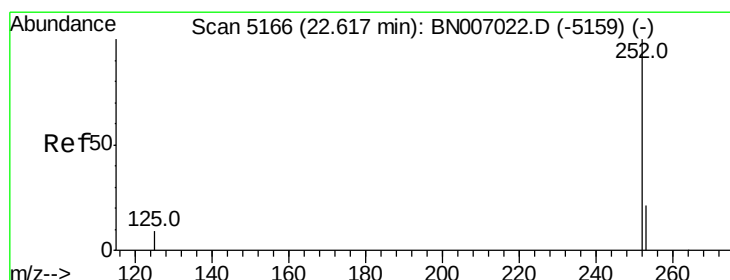
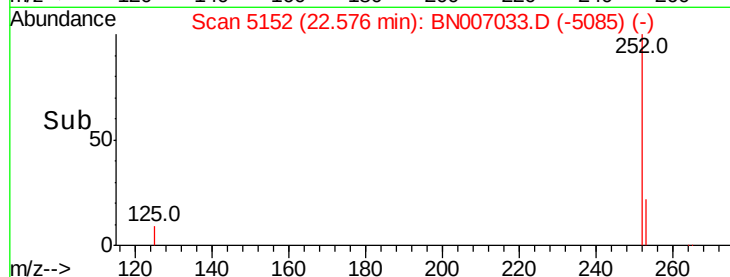
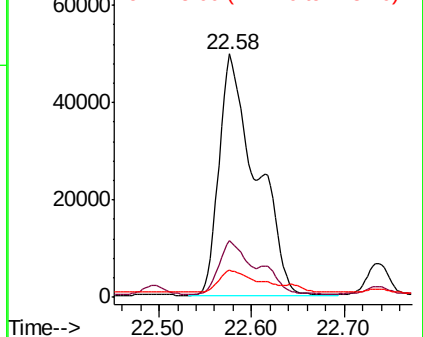
252 100

253 23.3 0.0 45.2

125 11.1 0.0 22.2



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: 1.293 ng/ul

RT: 22.58 min Scan# 5152

Delta R.T. -0.05 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

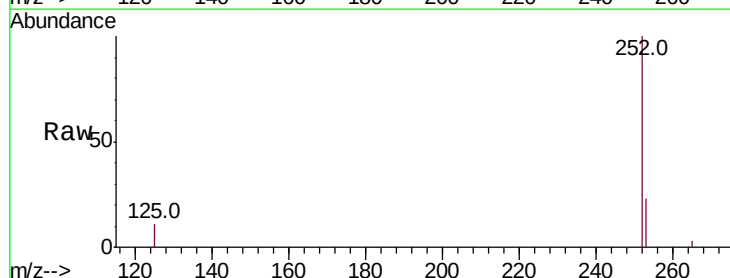
Tgt Ion:252 Resp: 136744

Ion Ratio Lower Upper

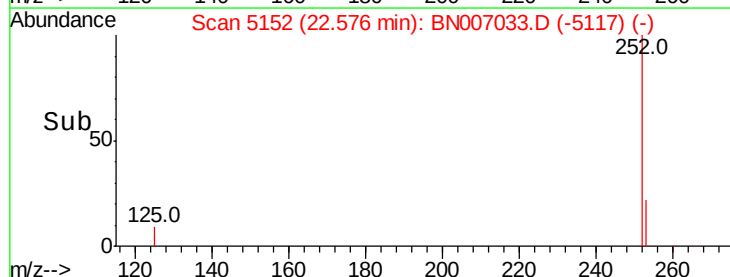
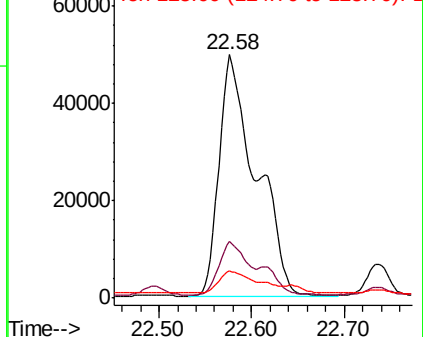
252 100

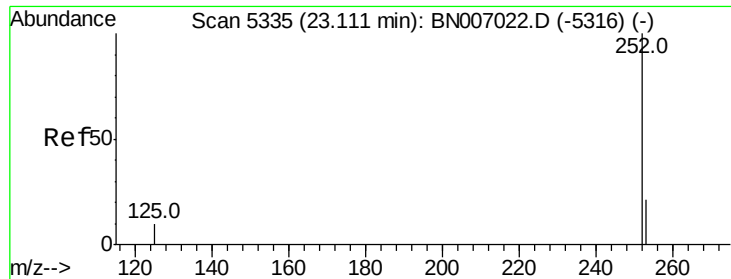
253 23.3 18.6 28.0

125 11.1 8.7 13.1



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: 0.599 ng/ul

RT: 23.11 min Scan# 5335

Delta R.T. -0.00 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

Instrument :

BNA_N

ClientSampleId :

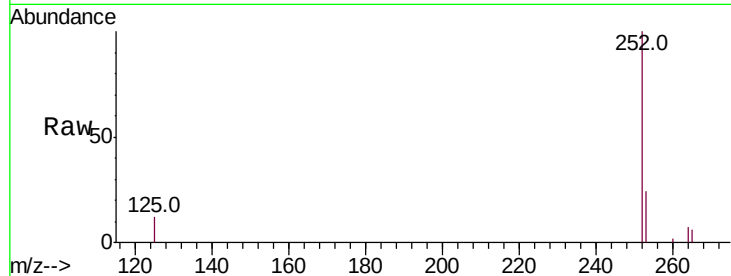
Tot Ion:252 Resp: 61537

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

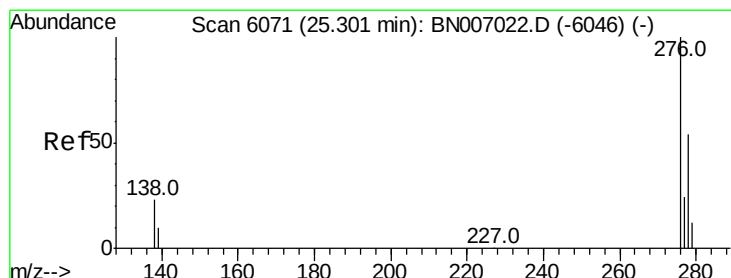
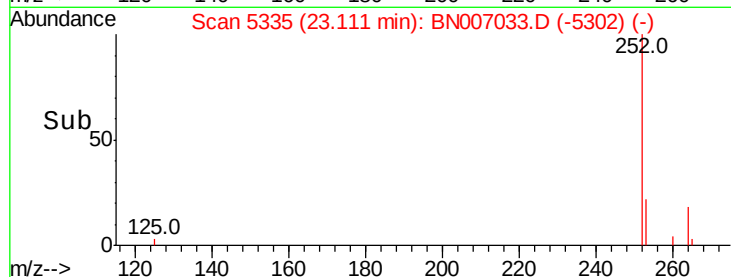
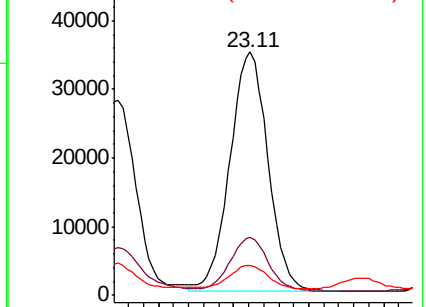
125 12.3 10.0 15.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.383 ng/ul

RT: 25.30 min Scan# 6070

Delta R.T. -0.01 min

Lab File: BN007033.D

Acq: 08 Aug 2019 19:40

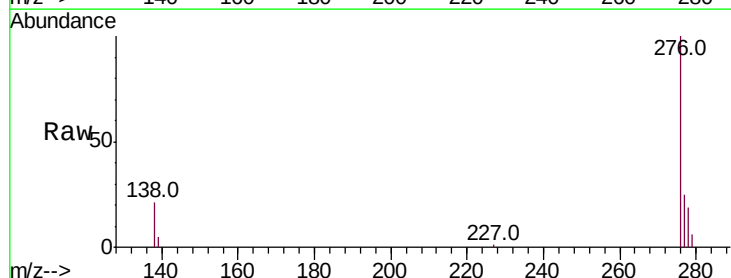
Tgt Ion:276 Resp: 42379

Ion Ratio Lower Upper

276 100

138 21.0 19.9 29.9

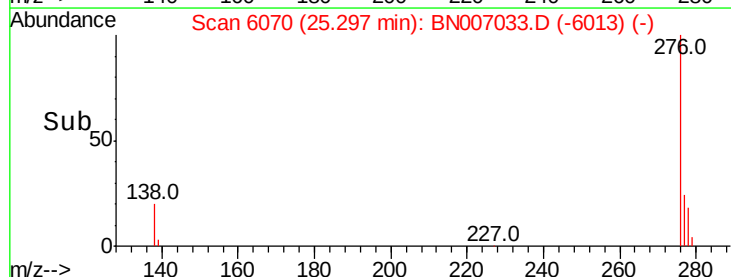
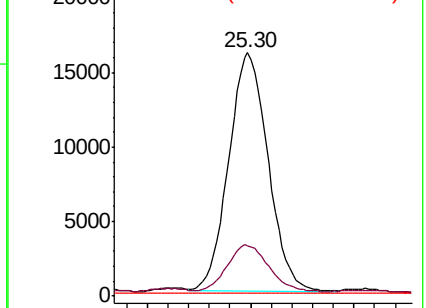
227 0.2 0.2 0.4#

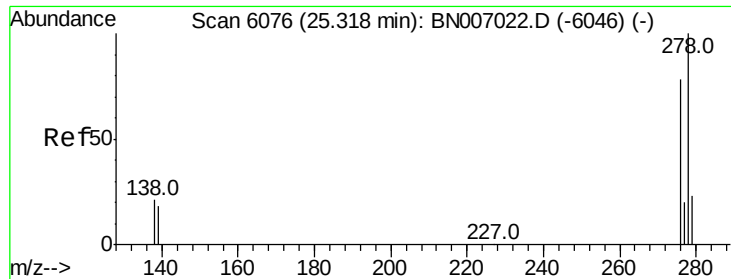


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

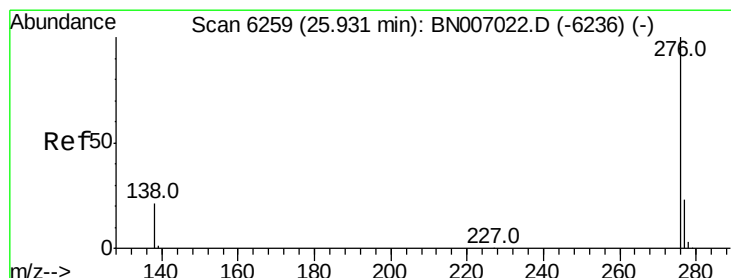
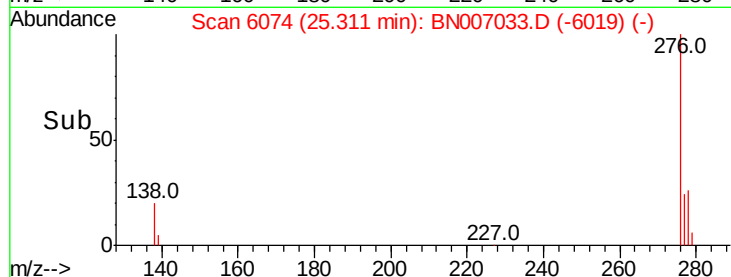
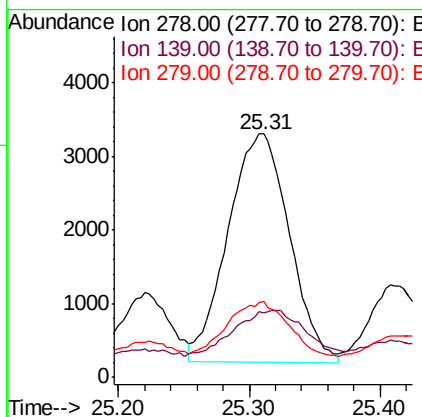
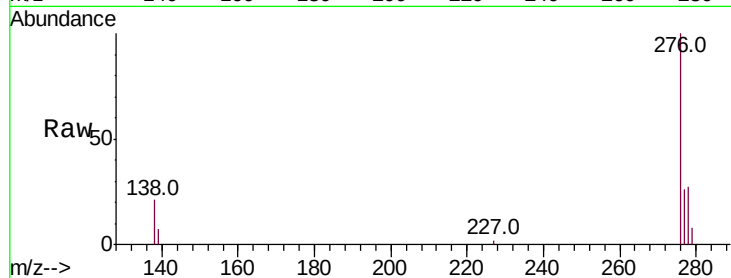




#25
Dibenzo(a,h)anthracene
Concen: 0.114 ng/ul
RT: 25.31 min Scan# 6074
Delta R.T. -0.02 min
Lab File: BN007033.D
Acq: 08 Aug 2019 19:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 10095
Ion Ratio Lower Upper
278 100
139 26.4 14.3 21.5#
279 31.0 19.6 29.4#



#26
Benzo(g,h,i)perylene
Concen: 0.463 ng/ul
RT: 25.93 min Scan# 6259
Delta R.T. -0.01 min
Lab File: BN007033.D
Acq: 08 Aug 2019 19:40

Tgt Ion:276 Resp: 42985
Ion Ratio Lower Upper
276 100
138 22.3 18.7 28.1
277 24.2 19.3 28.9

