

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN007032.D
 Acq On : 08 Aug 2019 19:04
 Operator : HP/JU
 Sample : K3962-21DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 09 02:03:53 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	7636	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	29789	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	18342	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	46700	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	39740	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	37140	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.83	152	1649	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	5140	0.03	ng/ul	0.00

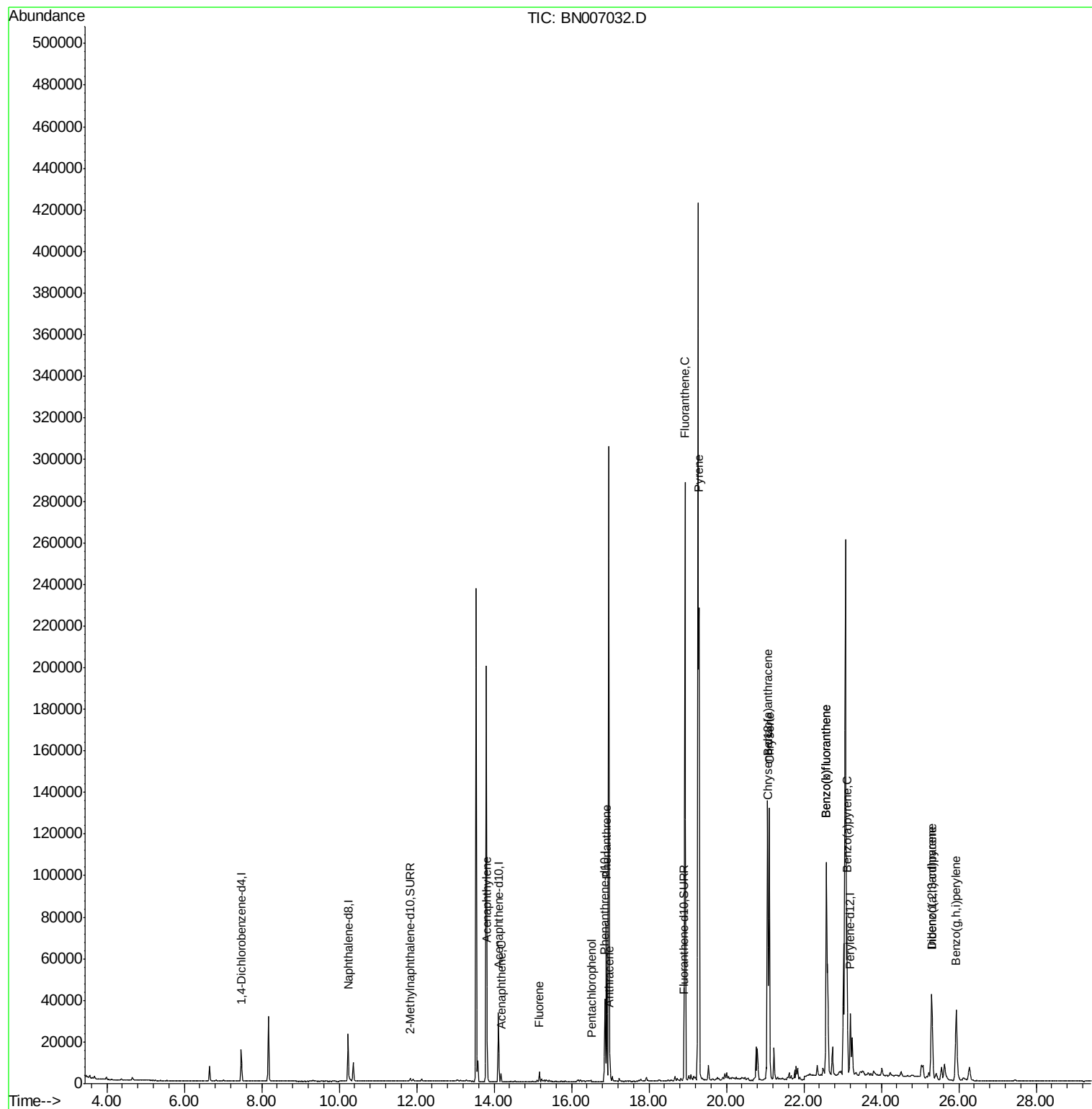
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Acenaphthylene	13.82	152	3772	0.035	ng/ul#	93
8) Acenaphthene	14.18	153	2231	0.031	ng/ul	98
9) Fluorene	15.17	166	2932	0.033	ng/ul#	96
11) Pentachlorophenol	16.52	266	350	0.027	ng/ul#	34
12) Phenanthrene	16.90	178	77997	0.524	ng/ul	99
13) Anthracene	16.99	178	12414	0.082	ng/ul	99
15) Fluoranthene	18.93	202	256727	1.388	ng/ul	97
17) Pyrene	19.29	202	223798	1.261	ng/ul	99
18) Benzo(a)anthracene	21.06	228	105713	0.606	ng/ul	98
19) Chrysene	21.11	228	129470	0.792	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	219711	1.459	ng/ul	99
22) Benzo(k)fluoranthene	22.58	252	219711	1.505	ng/ul	99
23) Benzo(a)pyrene	23.11	252	95994	0.677	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.30	276	66760	0.437	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.31	278	15477	0.127	ng/ul#	88
26) Benzo(a,h,i)perylene	25.94	276	67377	0.526	ng/ul	98

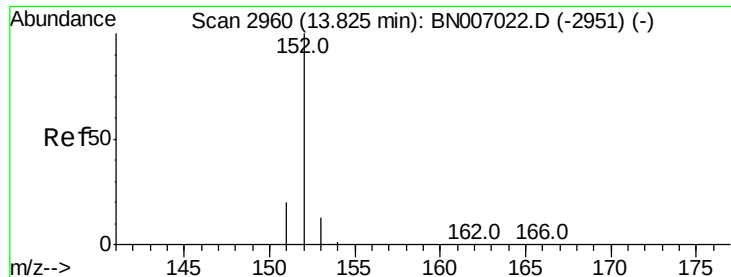
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

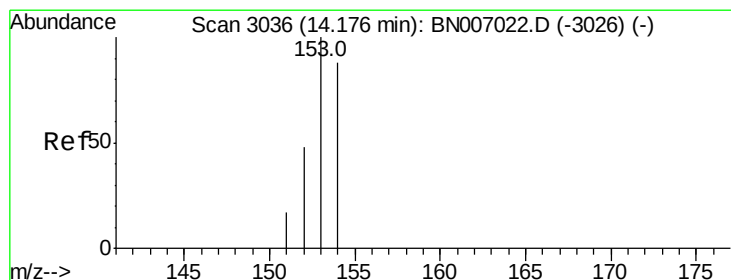
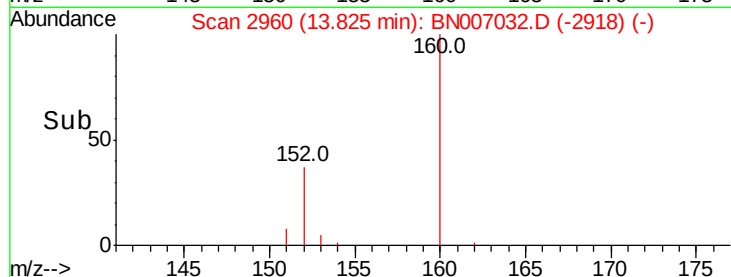
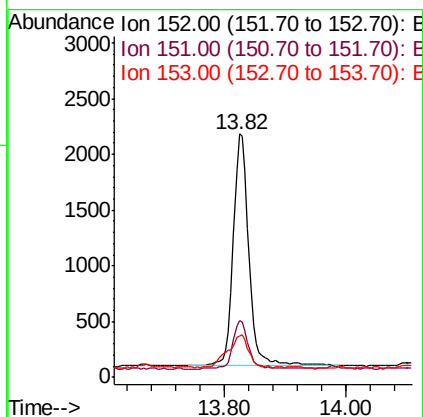
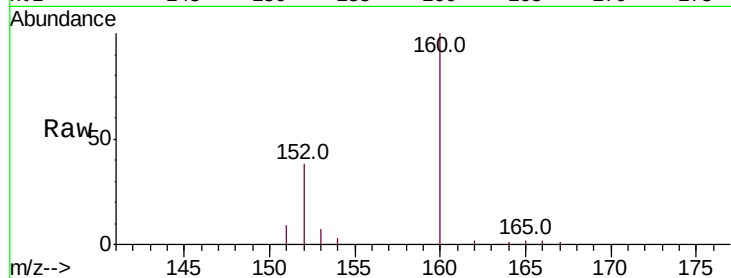
Tot Ion:152 Resp: 3772

Ion Ratio Lower Upper

152 100

151 23.2 16.3 24.5

153 17.1 11.0 16.4#



#8

Acenaphthene

Concen: 0.031 ng/ul

RT: 14.18 min Scan# 3036

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

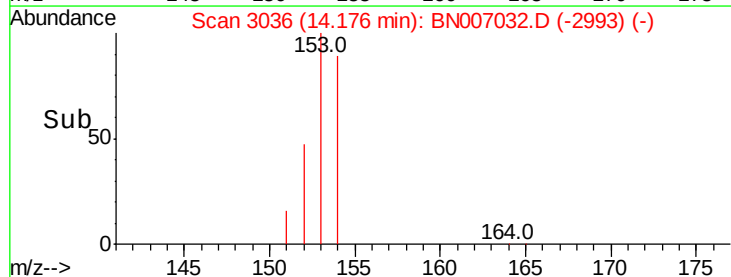
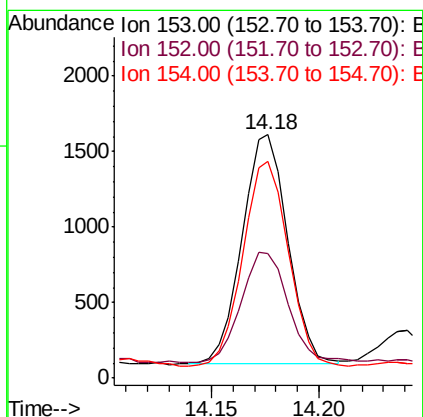
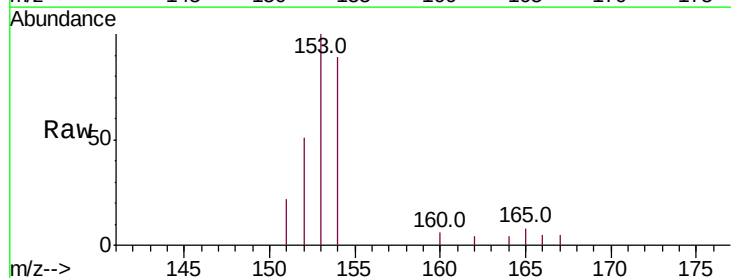
Tgt Ion:153 Resp: 2231

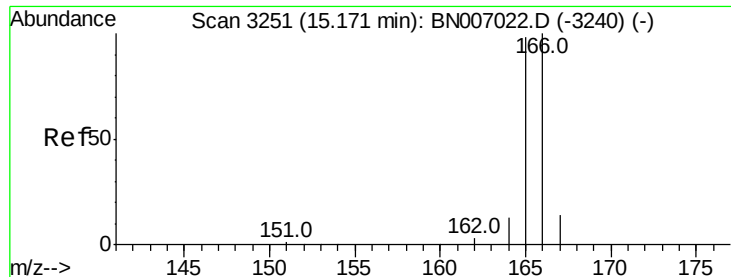
Ion Ratio Lower Upper

153 100

152 51.2 39.4 59.2

154 88.8 70.1 105.1





#9

Fluorene

Concen: 0.033 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

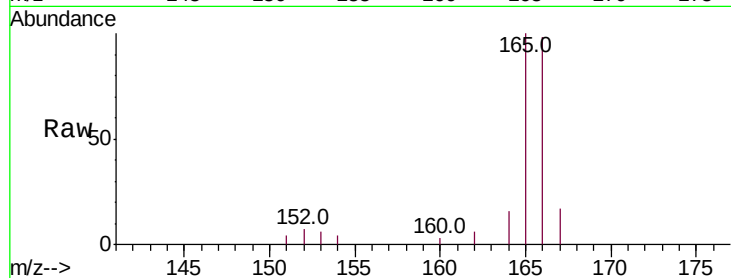
Tot Ion:166 Resp: 2932

Ion Ratio Lower Upper

166 100

165 101.8 78.8 118.2

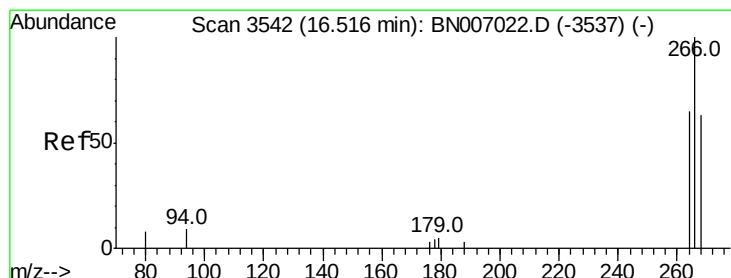
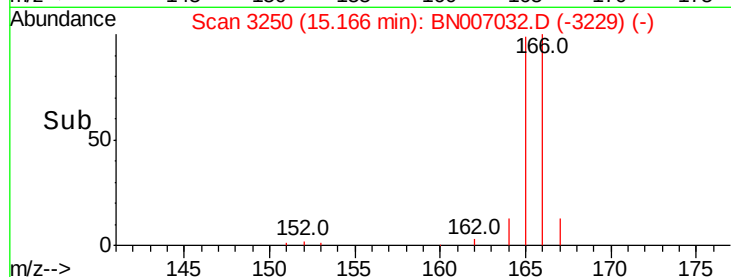
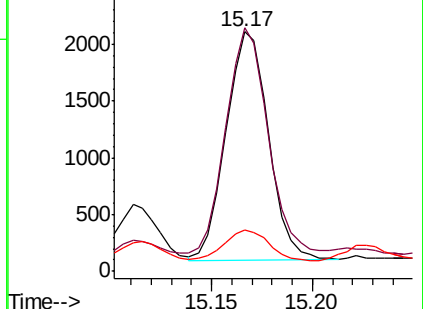
167 17.2 11.3 16.9#



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: 0.027 ng/ul

RT: 16.52 min Scan# 3544

Delta R.T. 0.01 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

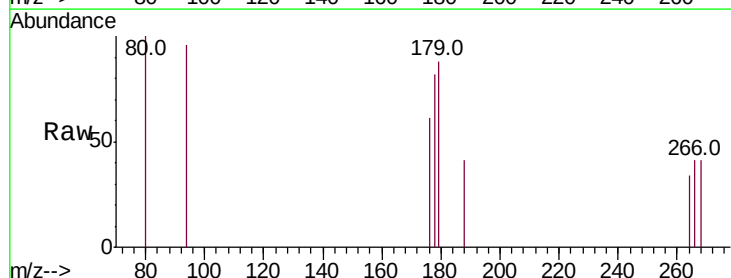
Tgt Ion:266 Resp: 350

Ion Ratio Lower Upper

266 100

264 89.1 55.7 83.5#

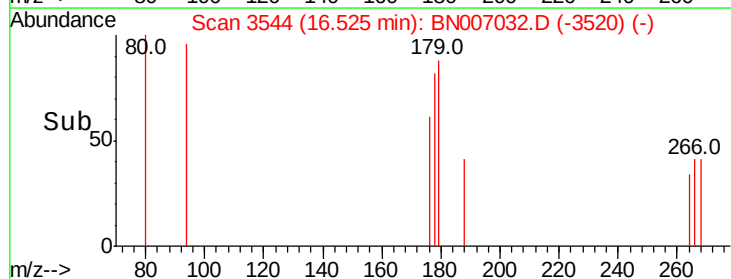
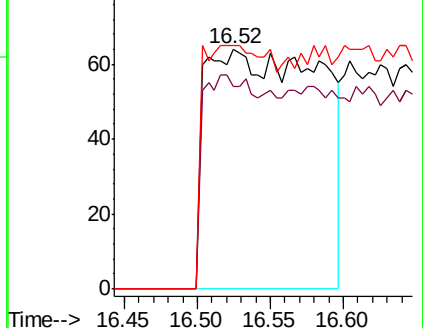
268 0.0 75.2 112.8#

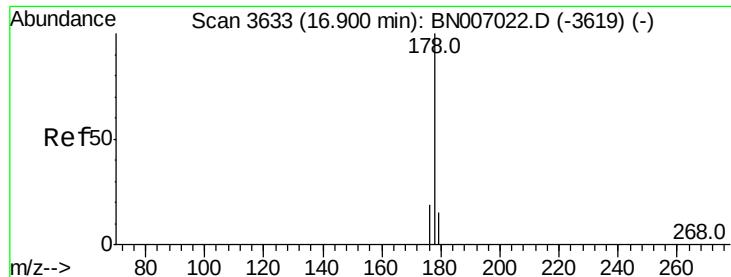


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.524 ng/ul

RT: 16.90 min Scan# 3633

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

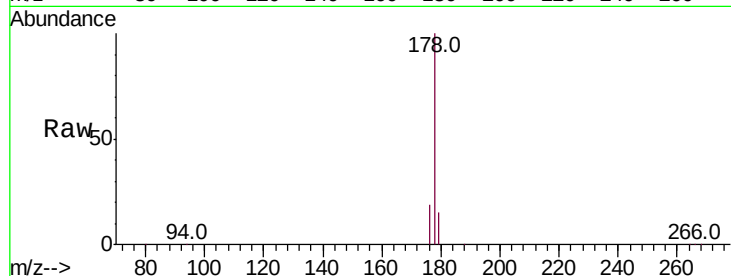
Tot Ion:178 Resp: 77997

Ion Ratio Lower Upper

178 100

179 15.0 12.5 18.7

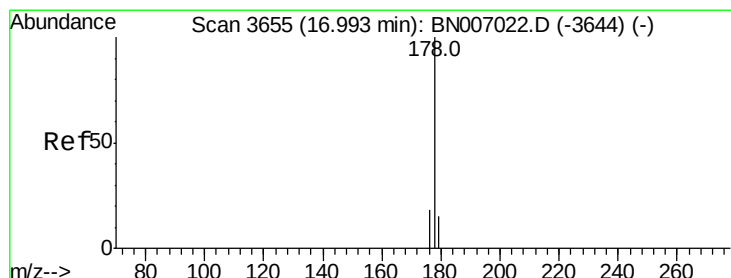
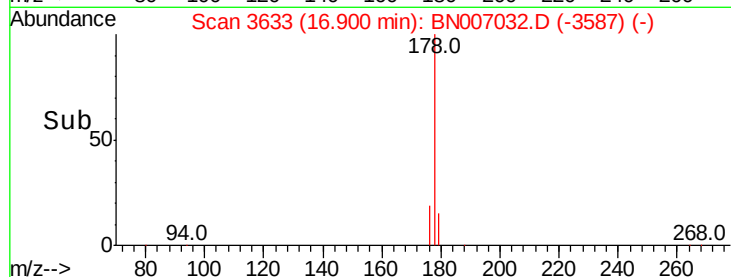
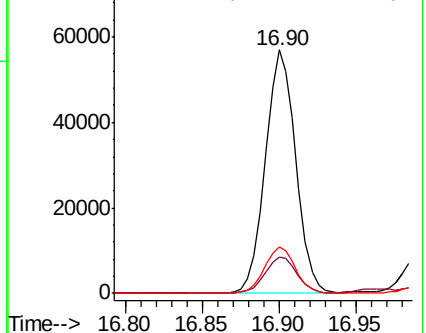
176 19.3 15.6 23.4



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



#13

Anthracene

Concen: 0.082 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

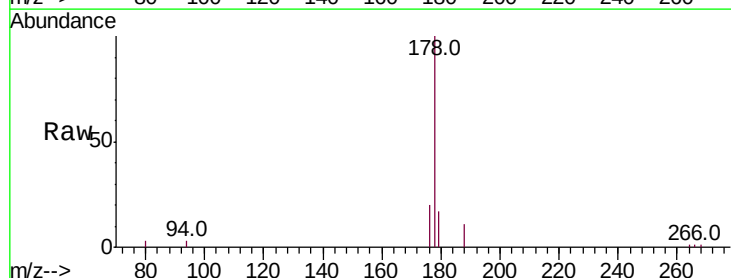
Tgt Ion:178 Resp: 12414

Ion Ratio Lower Upper

178 100

179 16.6 12.6 18.8

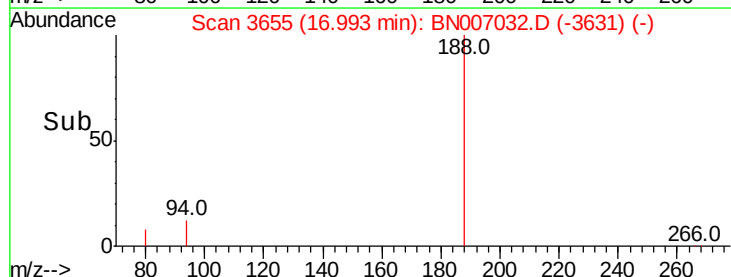
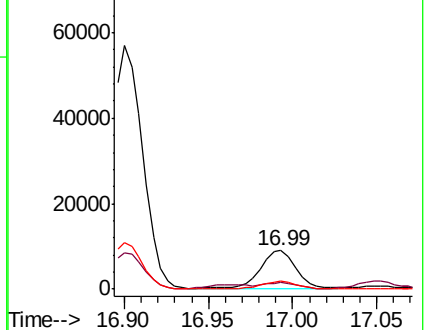
176 19.6 15.4 23.0

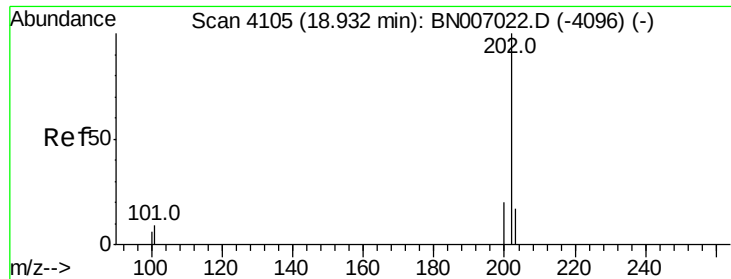


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.388 ng/ul

RT: 18.93 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BN007032.D

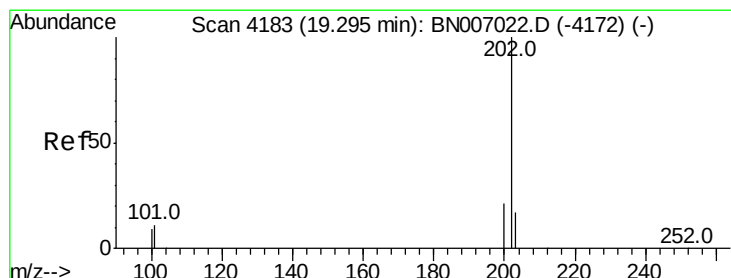
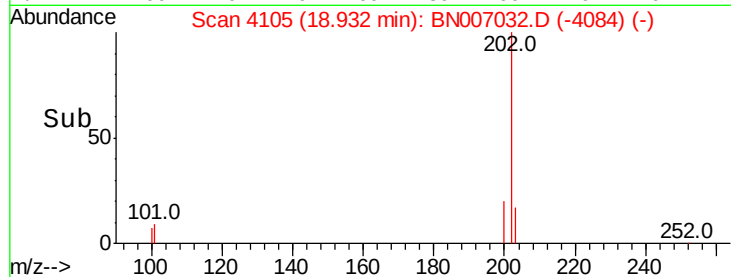
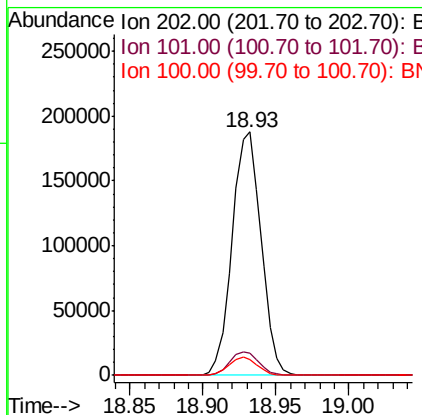
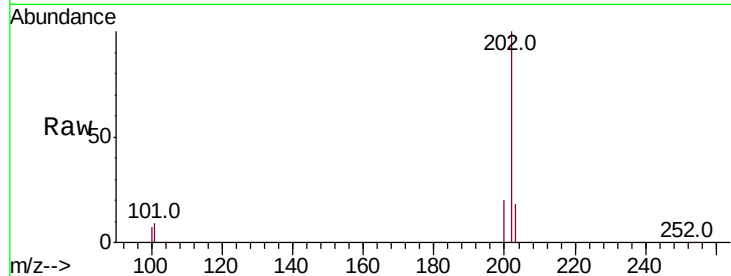
Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	202	Resp:	256727
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.0
100	6.6	0.0	27.7



#17

Pyrene

Concen: 1.261 ng/ul

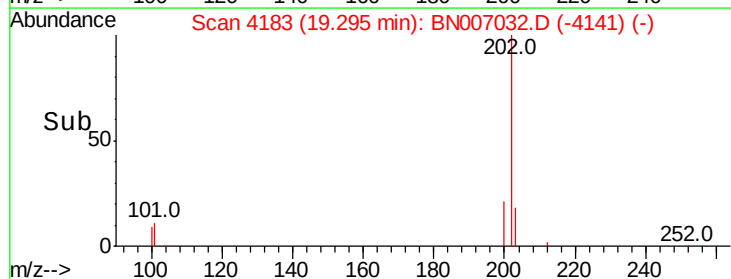
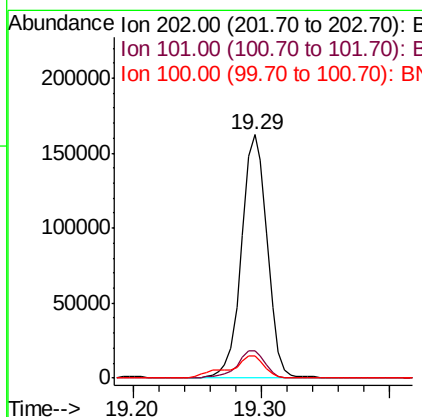
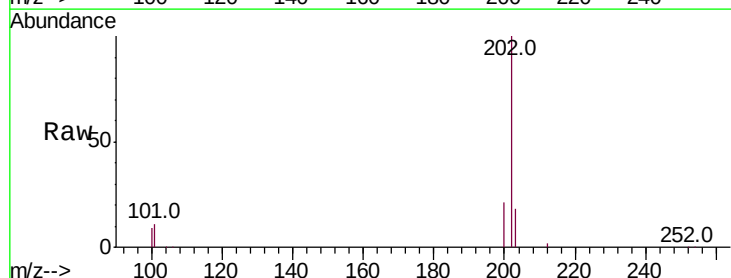
RT: 19.29 min Scan# 4183

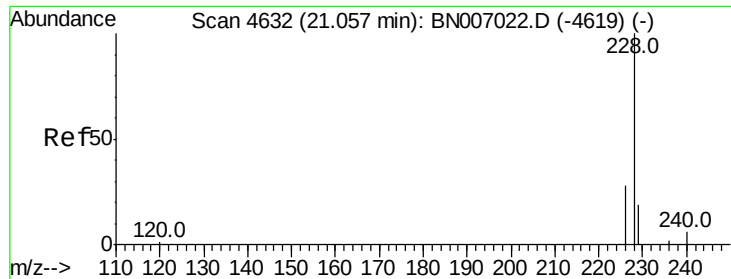
Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Tgt Ion:	202	Resp:	223798
Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.3	13.9
100	9.1	7.3	10.9





#18

Benzo(a)anthracene

Concen: 0.606 ng/ul

RT: 21.06 min Scan# 4633

Delta R.T. -0.01 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampled :

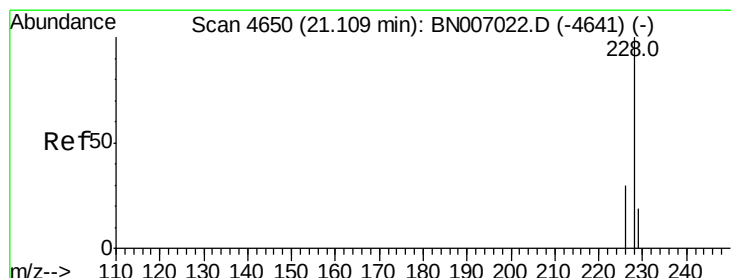
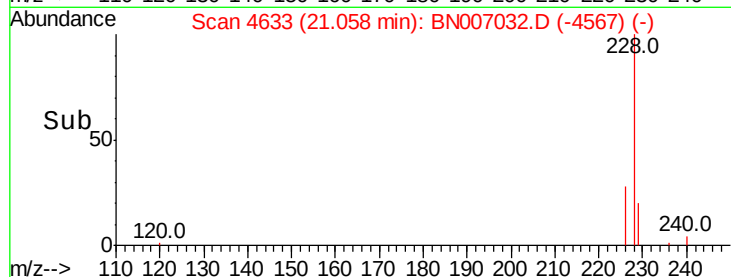
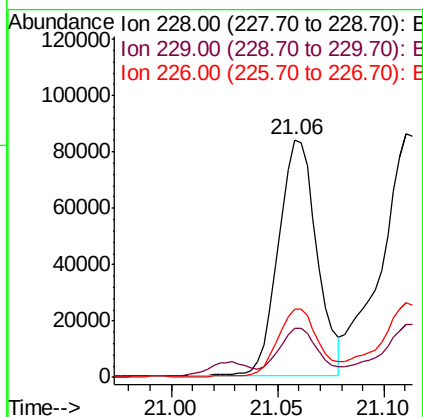
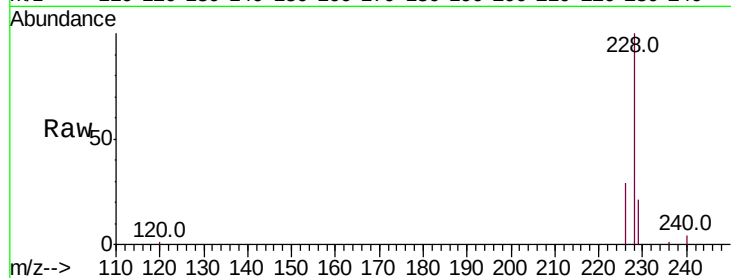
Tot Ion:228 Resp: 105713

Ion Ratio Lower Upper

228 100

229 20.7 15.9 23.9

226 28.8 22.2 33.4



#19

Chrysene

Concen: 0.792 ng/ul

RT: 21.11 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

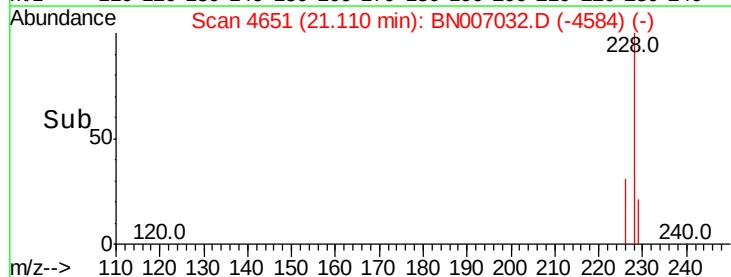
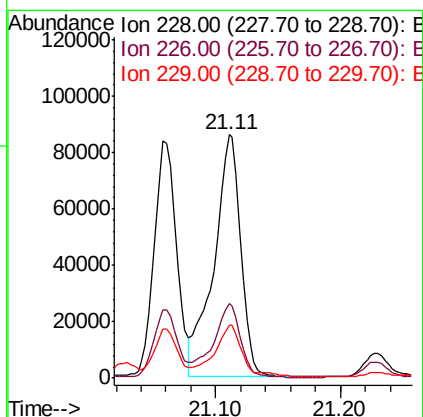
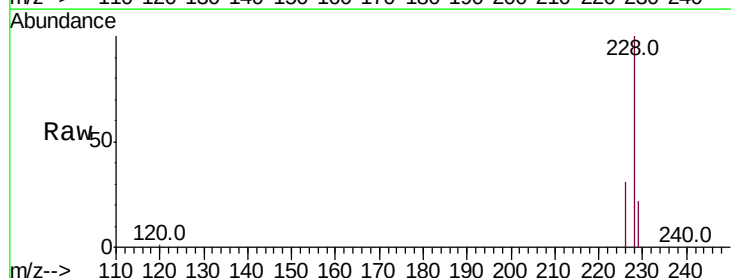
Tgt Ion:228 Resp: 129470

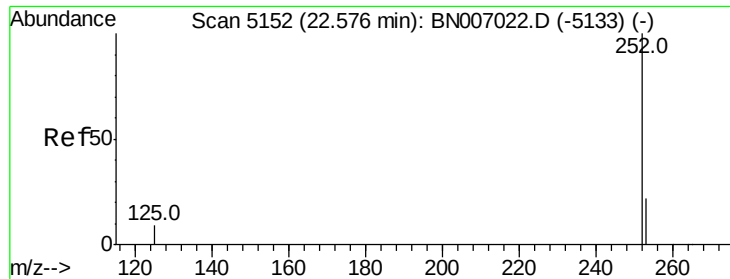
Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 21.6 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 1.459 ng/ul

RT: 22.58 min Scan# 5153

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

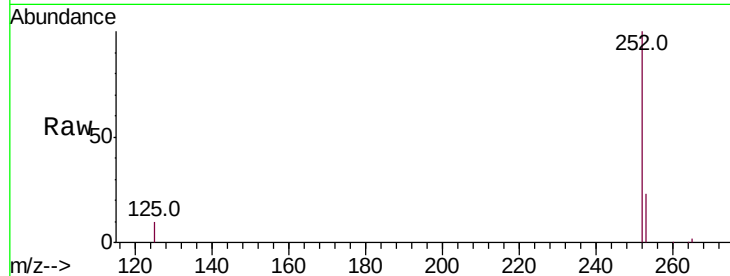
Tot Ion:252 Resp: 219711

Ion Ratio Lower Upper

252 100

253 22.6 0.0 45.2

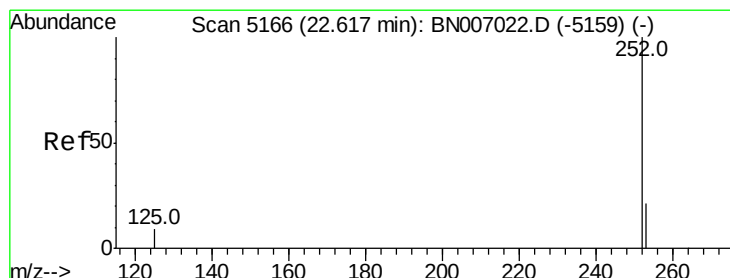
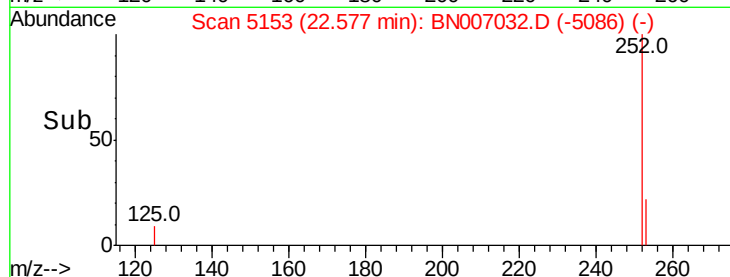
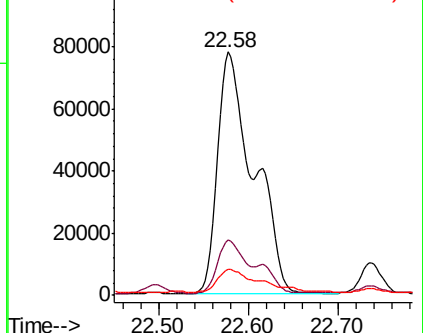
125 10.5 0.0 22.2



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: 1.505 ng/ul

RT: 22.58 min Scan# 5153

Delta R.T. -0.05 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

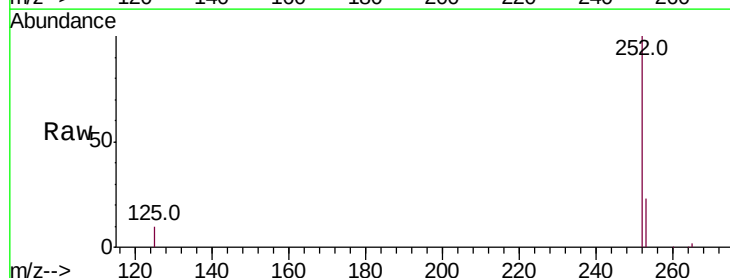
Tgt Ion:252 Resp: 219711

Ion Ratio Lower Upper

252 100

253 22.6 18.6 28.0

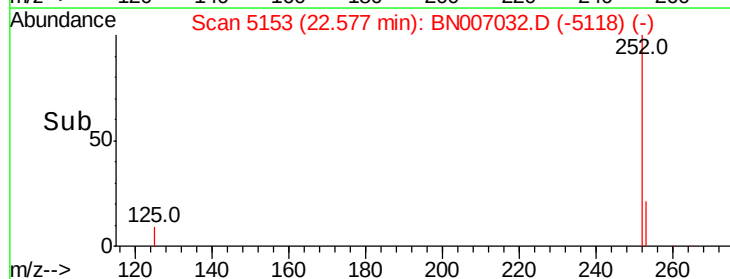
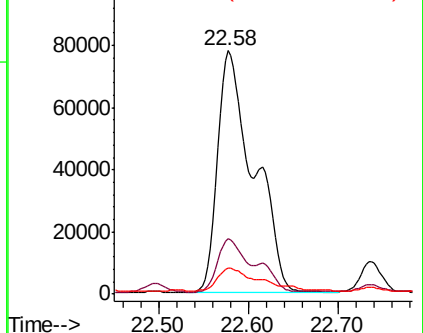
125 10.5 8.7 13.1

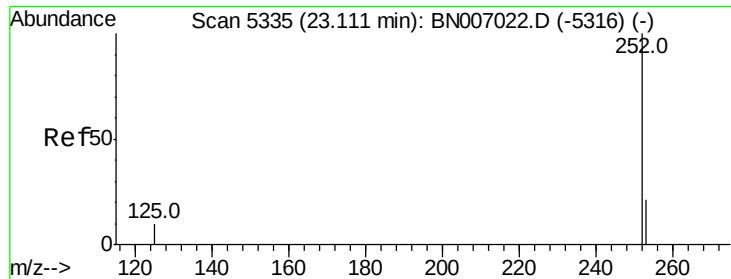


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.677 ng/ul

RT: 23.11 min Scan# 5335

Delta R.T. -0.01 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

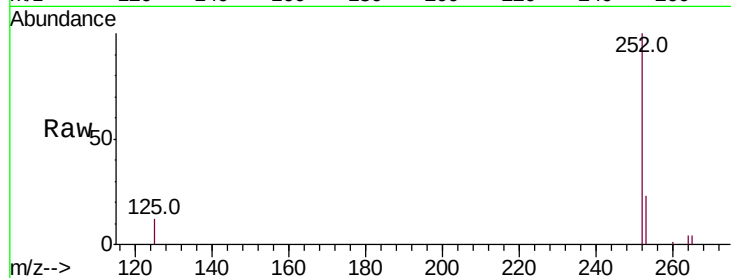
Tot Ion:252 Resp: 95994

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

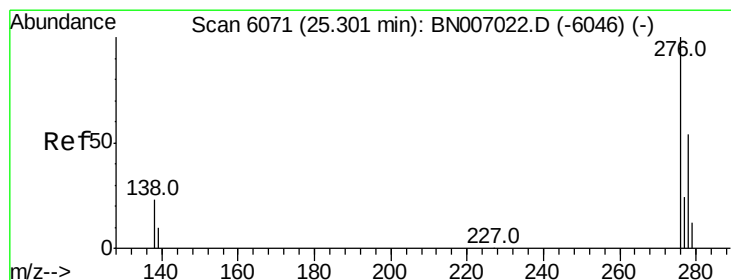
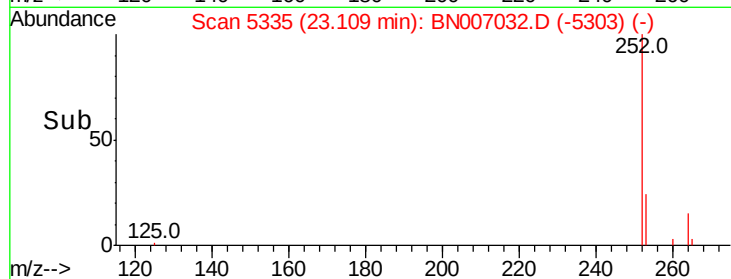
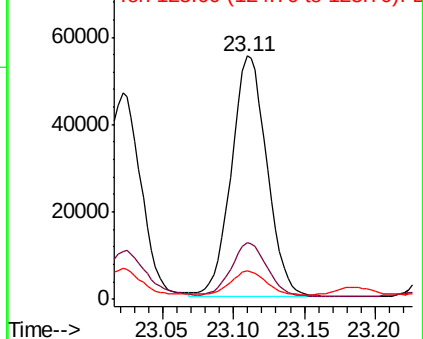
125 11.6 10.0 15.0



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: 0.437 ng/ul

RT: 25.30 min Scan# 6070

Delta R.T. -0.01 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

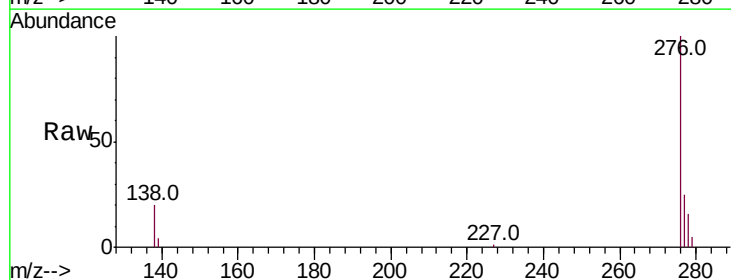
Tgt Ion:276 Resp: 66760

Ion Ratio Lower Upper

276 100

138 20.9 19.9 29.9

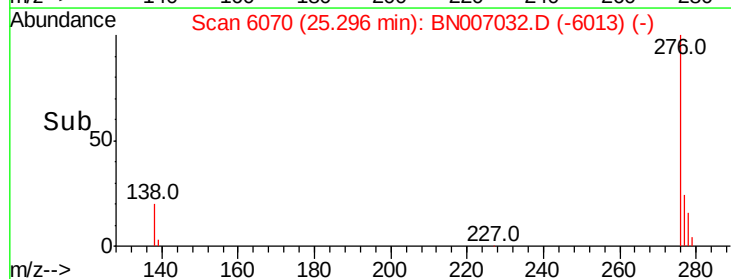
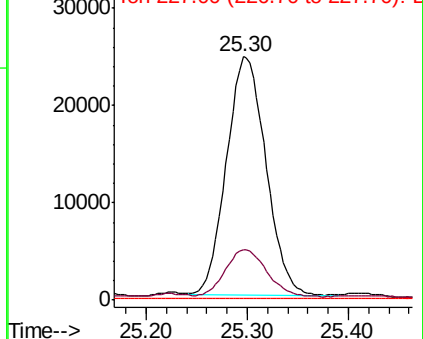
227 0.2 0.2 0.4#

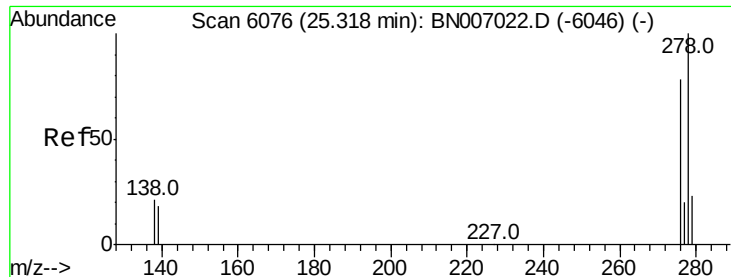


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.127 ng/ul

RT: 25.31 min Scan# 6074

Delta R.T. -0.02 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

Instrument :

BNA_N

ClientSampleId :

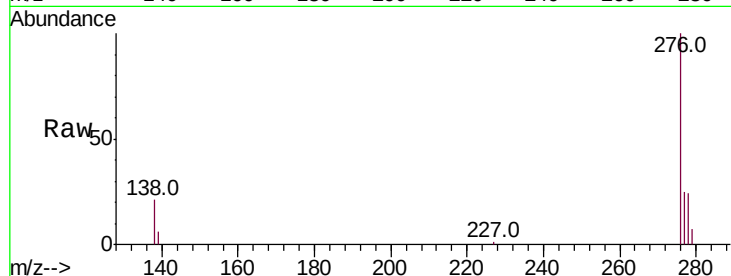
Tot Ion:278 Resp: 15477

Ion Ratio Lower Upper

278 100

139 25.3 14.3 21.5#

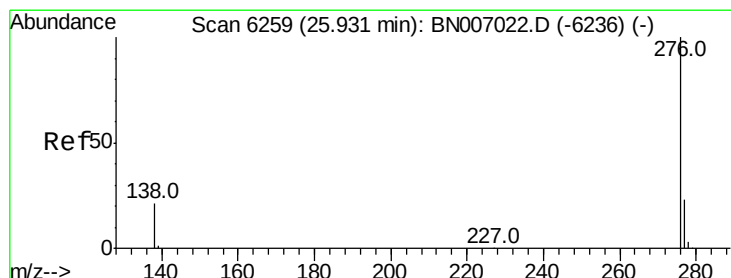
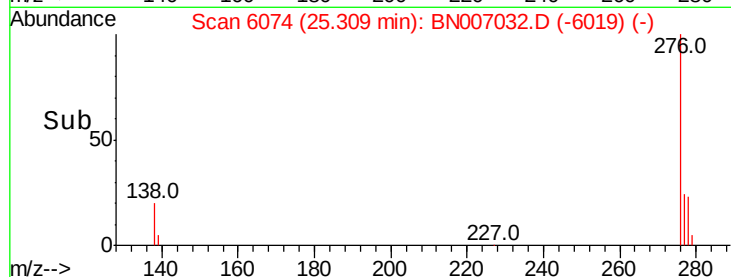
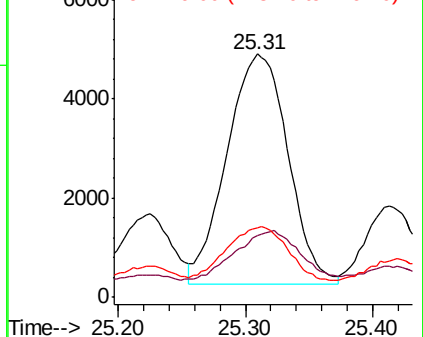
279 28.7 19.6 29.4



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: 0.526 ng/ul

RT: 25.94 min Scan# 6261

Delta R.T. -0.00 min

Lab File: BN007032.D

Acq: 08 Aug 2019 19:04

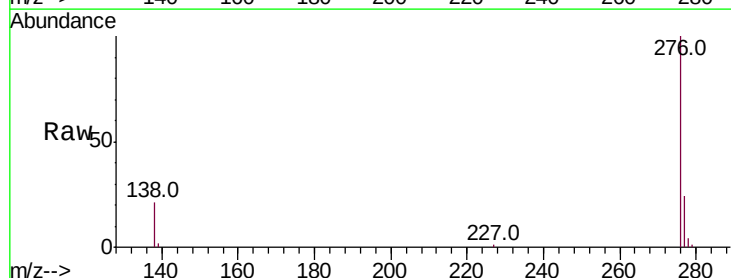
Tgt Ion:276 Resp: 67377

Ion Ratio Lower Upper

276 100

138 21.1 18.7 28.1

277 24.0 19.3 28.9



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

