

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN007031.D
 Acq On : 08 Aug 2019 18:28
 Operator : HP/JU
 Sample : K3962-20DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 09 02:03:40 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

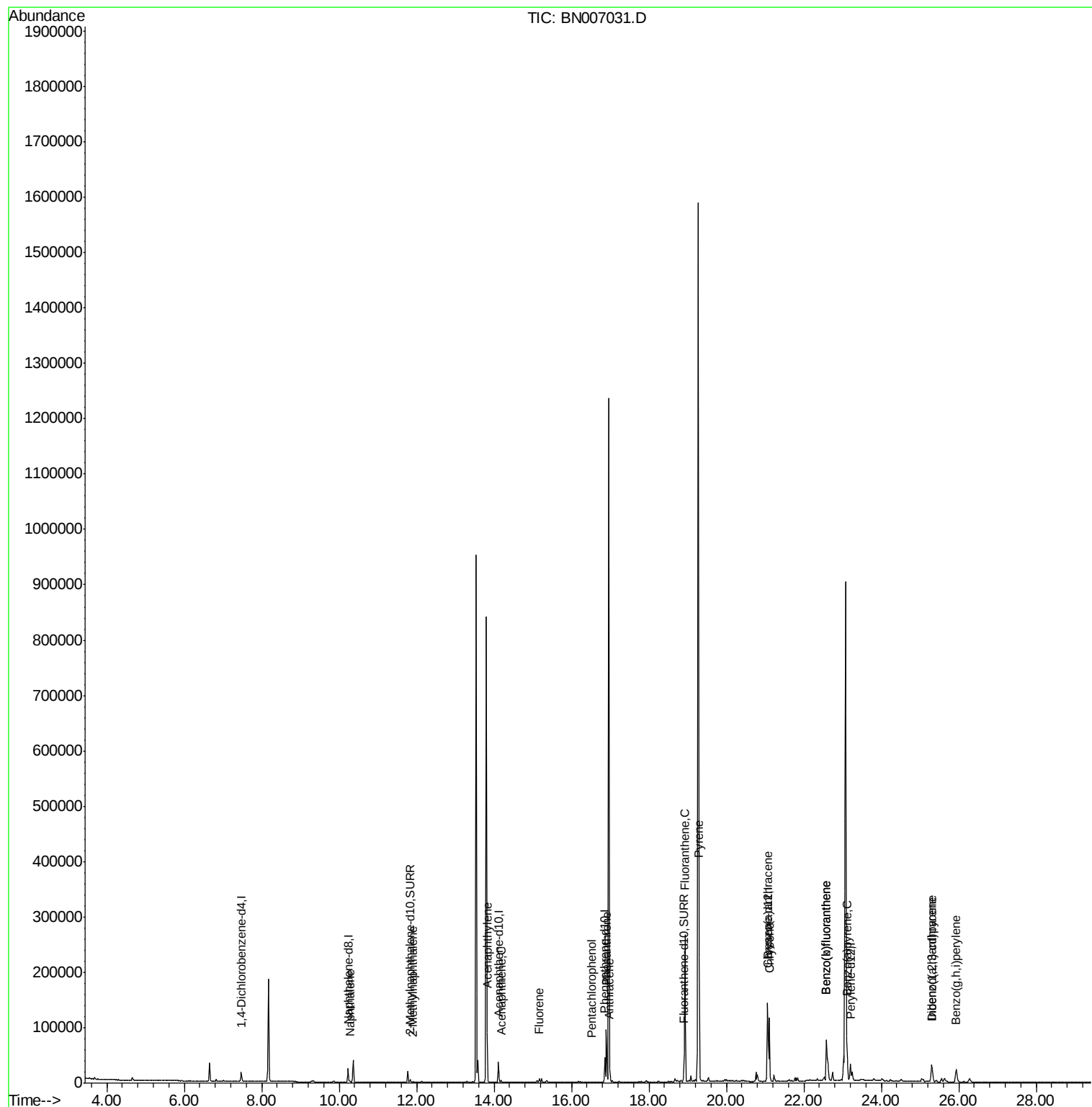
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	8245	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	33068	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	20600	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	52345	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	42559	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	39351	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	6806	0.12	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	21226	0.13	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.28	128	3277	0.034	ng/ul#	94
5) 2-Methylnaphthalene	11.91	142	1519	0.021	ng/ul	98
7) Acenaphthylene	13.83	152	9983	0.084	ng/ul	98
8) Acenaphthene	14.18	153	2667	0.033	ng/ul	97
9) Fluorene	15.17	166	4644	0.047	ng/ul#	97
11) Pentachlorophenol	16.52	266	451	0.031	ng/ul	93
12) Phenanthrene	16.90	178	97651	0.585	ng/ul	100
13) Anthracene	16.99	178	18696	0.110	ng/ul	98
15) Fluoranthene	18.93	202	230912	1.114	ng/ul	97
17) Pyrene	19.29	202	214331	1.128	ng/ul	100
18) Benzo(a)anthracene	21.06	228	112505	0.602	ng/ul	95
19) Chrysene	21.11	228	114514	0.654	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	161762	1.014	ng/ul	99
22) Benzo(k)fluoranthene	22.58	252	161762	1.046	ng/ul	100
23) Benzo(a)pyrene	23.12	252	80436	0.535	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.30	276	47765	0.295	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.31	278	13141	0.102	ng/ul#	82
26) Benzo(g,h,i)perylene	25.94	276	46082	0.339	ng/ul	98

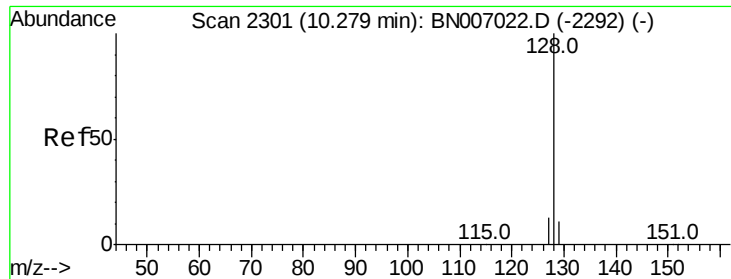
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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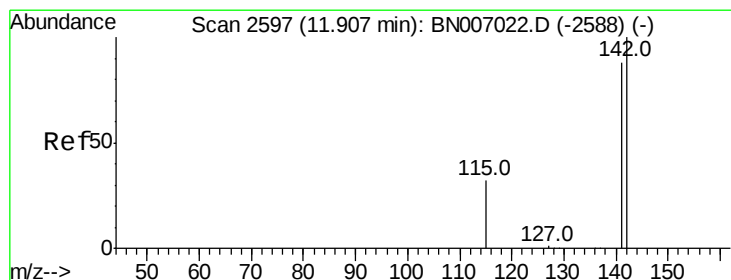
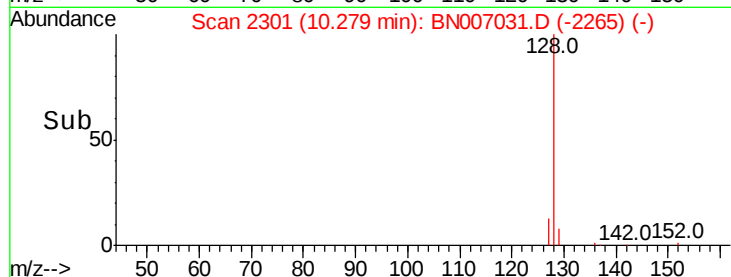
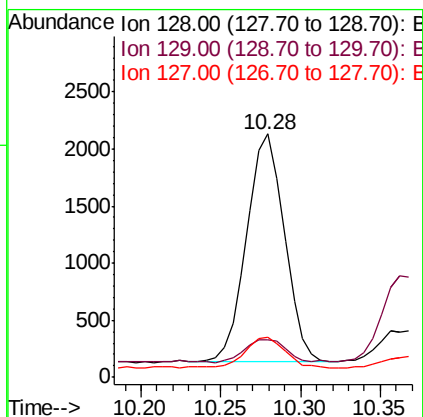
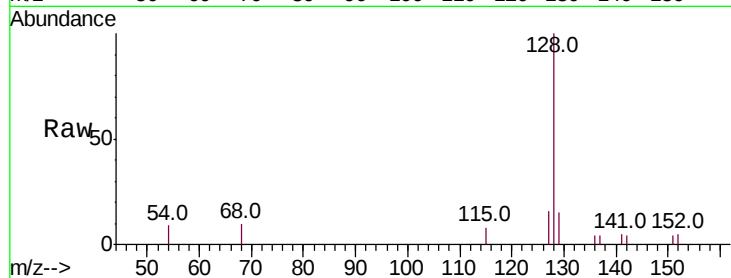
#3

Naphthalene

Concen: 0.034 ng/ul
 RT: 10.28 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: BN007031.D
 Acq: 08 Aug 2019 18:28

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:128 Resp: 3277
 Ion Ratio Lower Upper
 128 100
 129 15.5 10.0 15.0#
 127 16.4 11.7 17.5

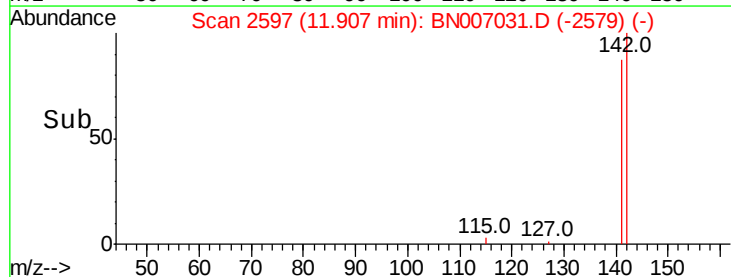
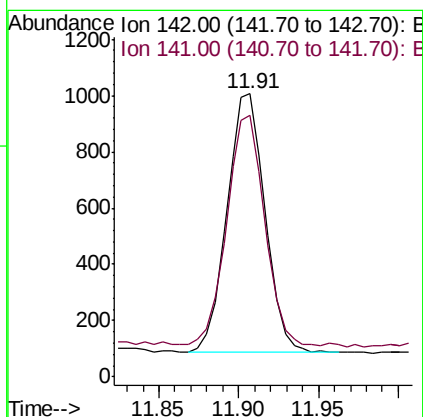
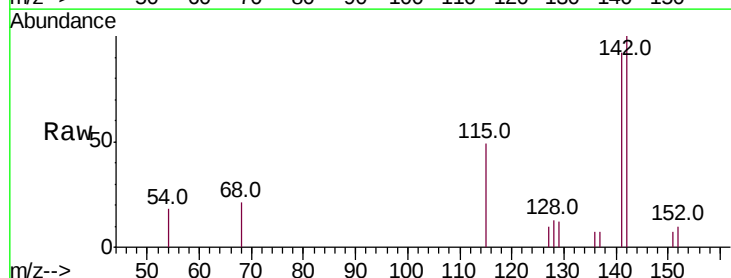


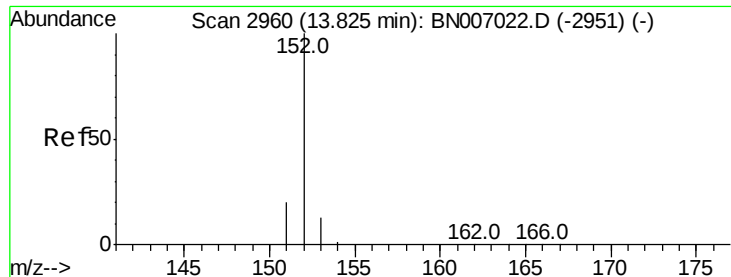
#5

2-Methylnaphthalene

Concen: 0.021 ng/ul
 RT: 11.91 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: BN007031.D
 Acq: 08 Aug 2019 18:28

Tgt Ion:142 Resp: 1519
 Ion Ratio Lower Upper
 142 100
 141 91.1 71.0 106.6





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

Instrument :

BNA_N

ClientSampleId :

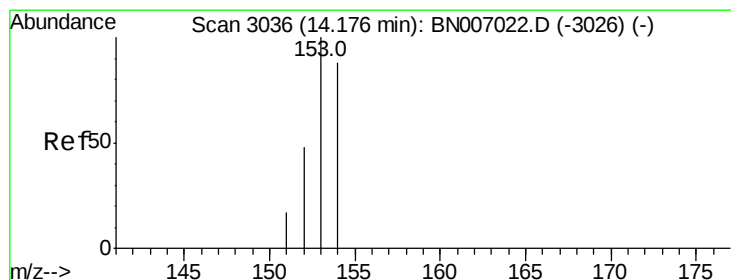
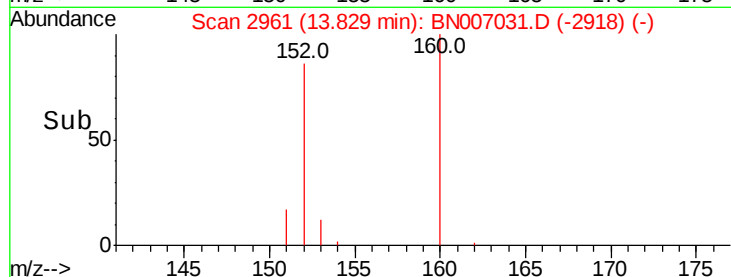
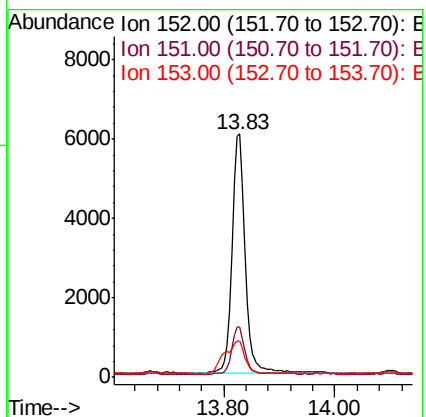
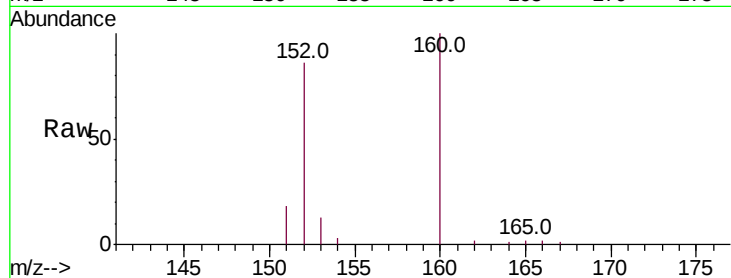
Tot Ion:152 Resp: 9983

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 15.1 11.0 16.4



#8

Acenaphthene

Concen: 0.033 ng/ul

RT: 14.18 min Scan# 3036

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

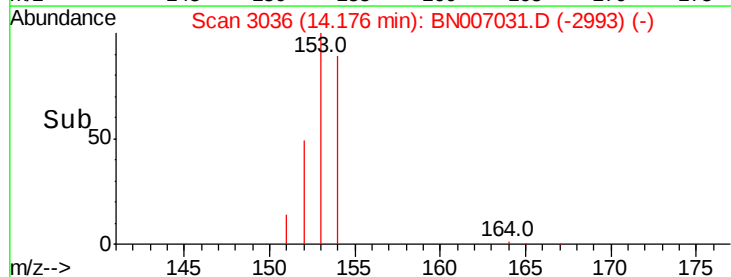
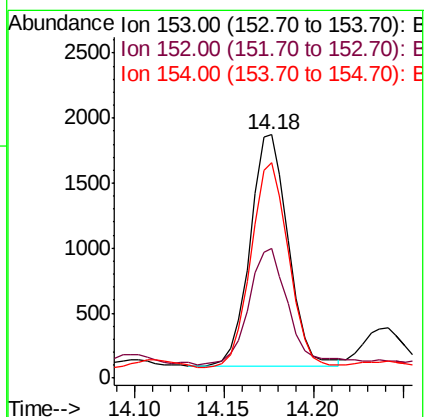
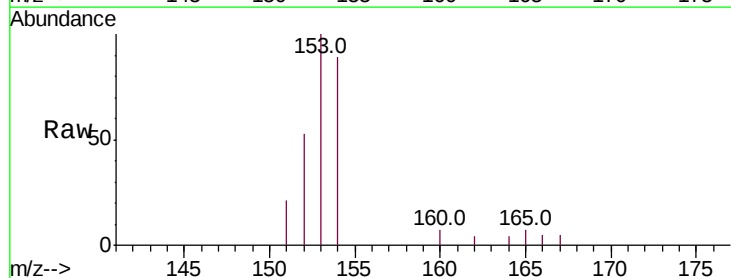
Tgt Ion:153 Resp: 2667

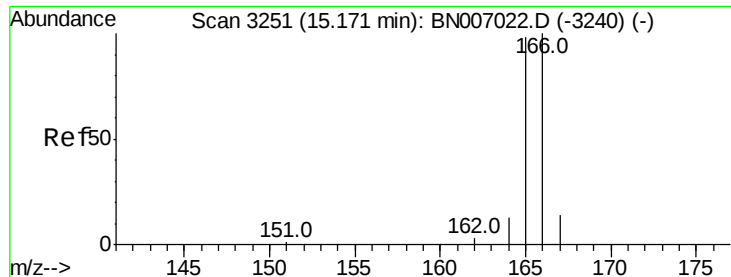
Ion Ratio Lower Upper

153 100

152 53.3 39.4 59.2

154 88.6 70.1 105.1





#9

Fluorene

Concen: 0.047 ng/ul

RT: 15.17 min Scan# 3250

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

Instrument :

BNA_N

ClientSampleId :

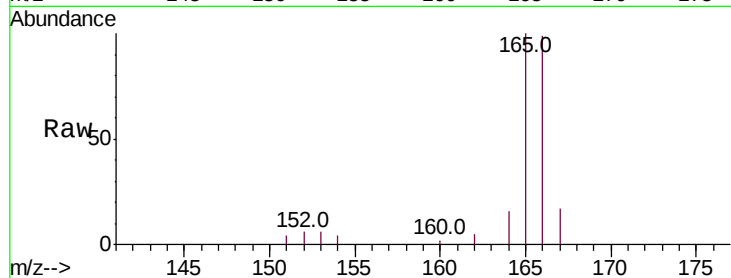
Tot Ion:166 Resp: 4644

Ion Ratio Lower Upper

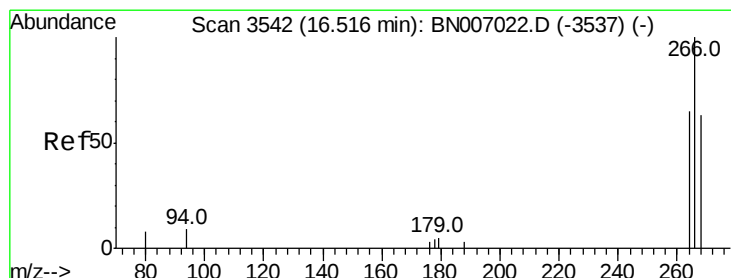
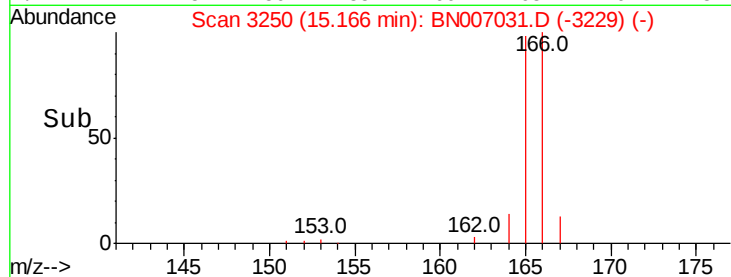
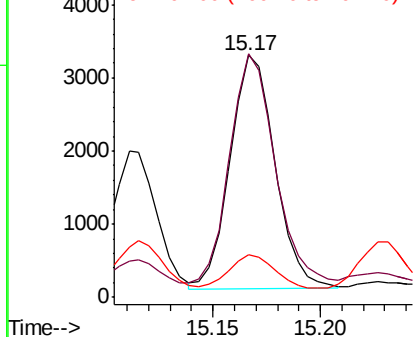
166 100

165 100.6 78.8 118.2

167 17.4 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: 0.031 ng/ul

RT: 16.52 min Scan# 3543

Delta R.T. 0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

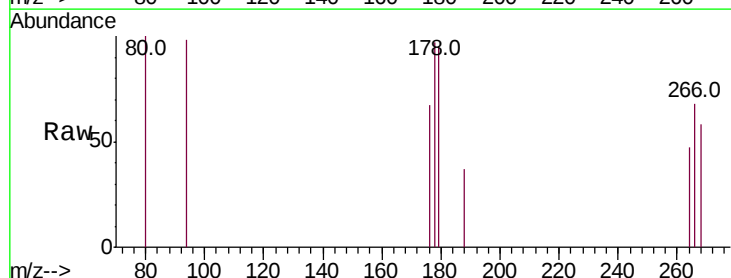
Tgt Ion:266 Resp: 451

Ion Ratio Lower Upper

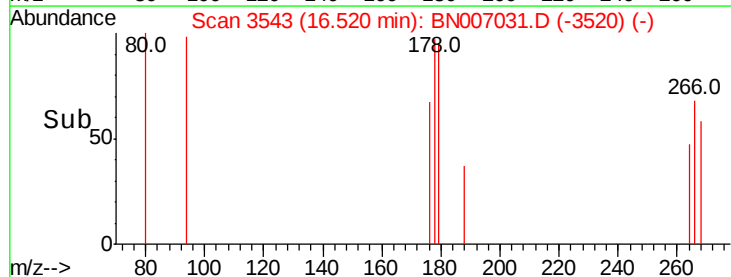
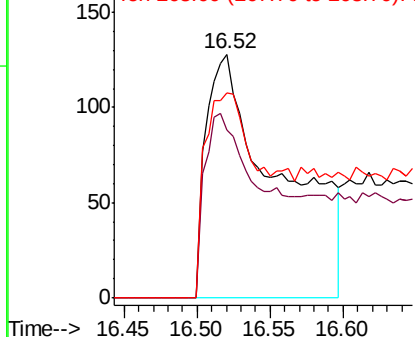
266 100

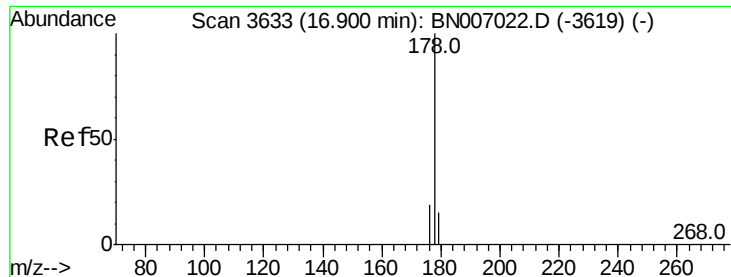
264 80.3 55.7 83.5

268 95.8 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: 0.585 ng/ul

RT: 16.90 min Scan# 3633

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

Instrument :

BNA_N

ClientSampleId :

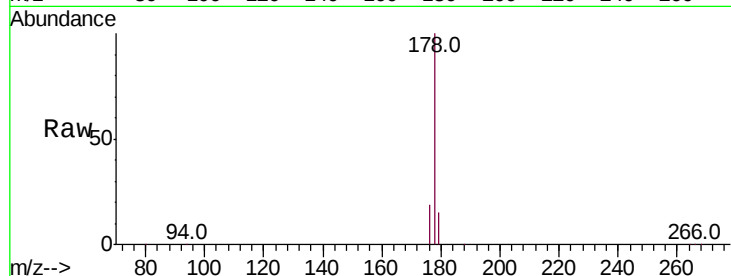
Tot Ion:178 Resp: 97651

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

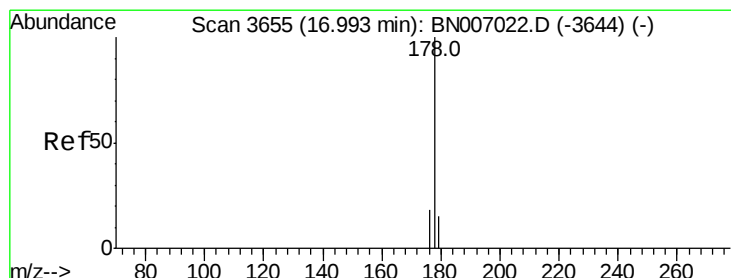
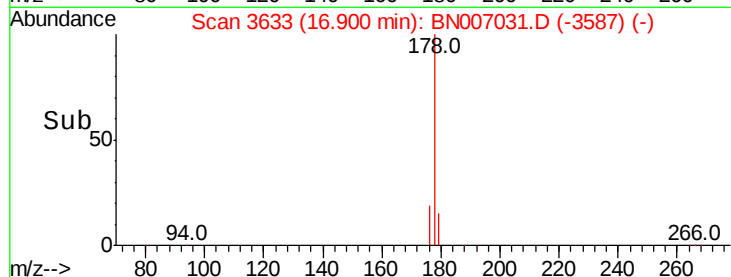
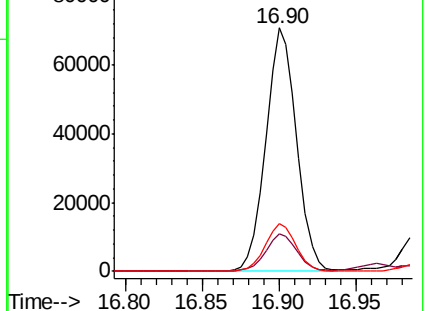
176 19.5 15.6 23.4



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: 0.110 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

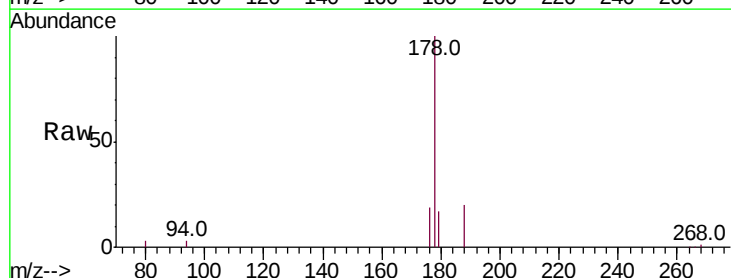
Tgt Ion:178 Resp: 18696

Ion Ratio Lower Upper

178 100

179 16.9 12.6 18.8

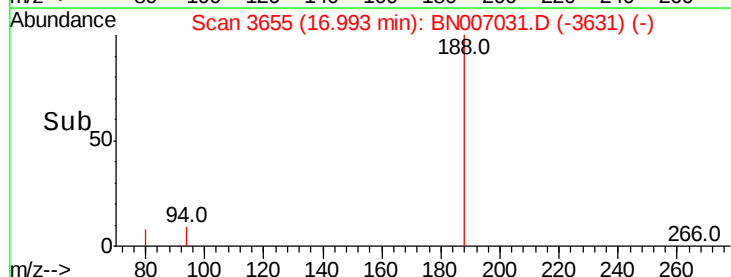
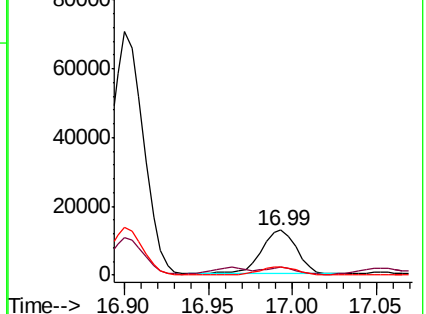
176 19.0 15.4 23.0

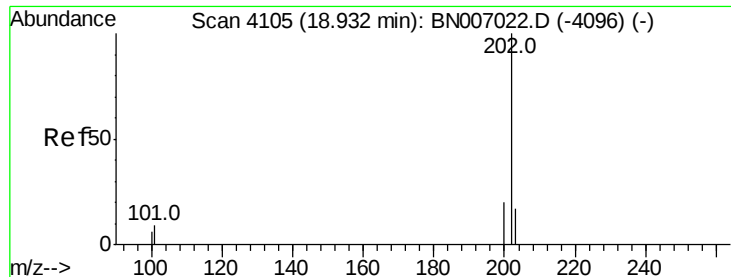


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

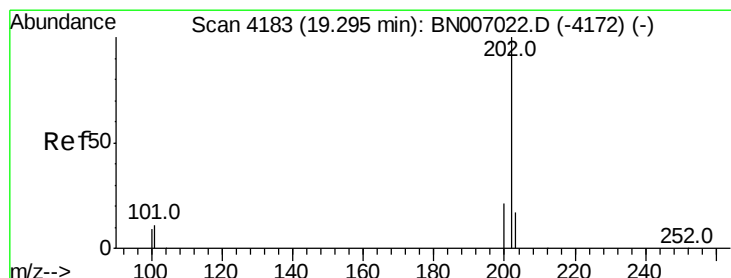
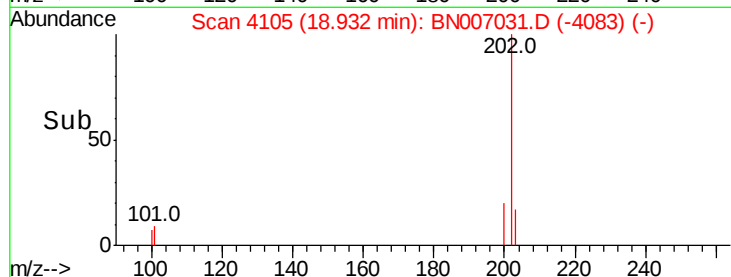
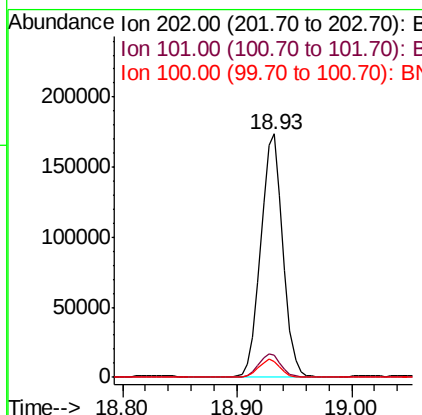
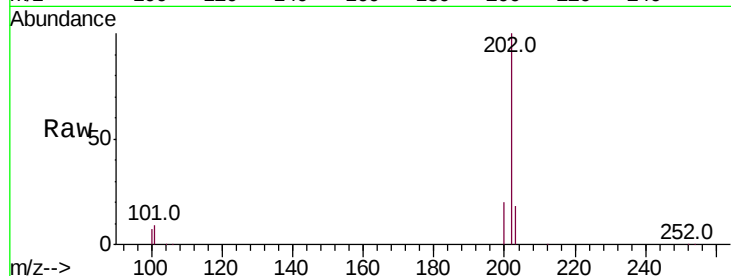




#15
Fluoranthene
Concen: 1.114 ng/ul
RT: 18.93 min Scan# 4105
Delta R.T. -0.00 min
Lab File: BN007031.D
Acq: 08 Aug 2019 18:28

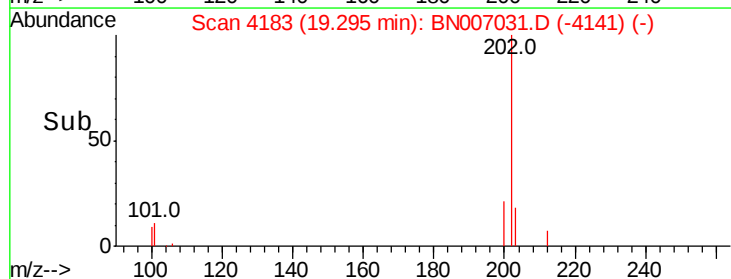
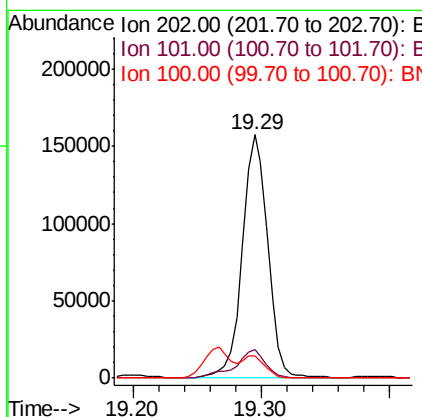
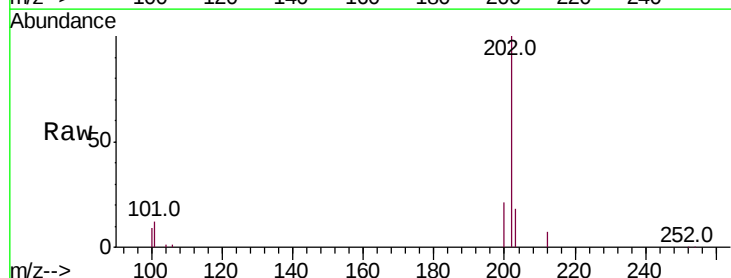
Instrument :
BNA_N
ClientSampleId :

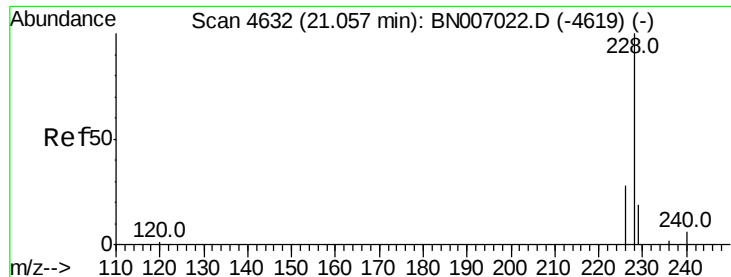
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	30.0
100	6.6	0.0	27.7



#17
Pyrene
Concen: 1.128 ng/ul
RT: 19.29 min Scan# 4183
Delta R.T. -0.00 min
Lab File: BN007031.D
Acq: 08 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.3	13.9
100	9.3	7.3	10.9





#18

Benzo(a)anthracene

Concen: 0.602 ng/ul

RT: 21.06 min Scan# 4634

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

Instrument :

BNA_N

ClientSampled :

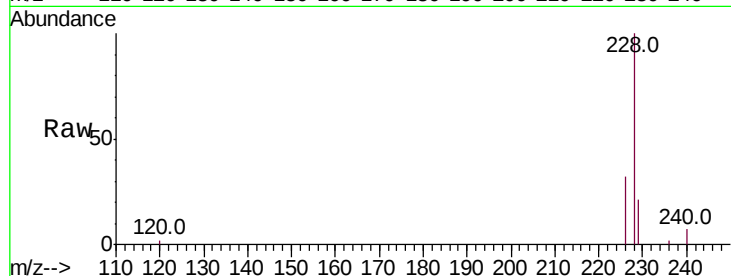
Tot Ion:228 Resp: 112505

Ion Ratio Lower Upper

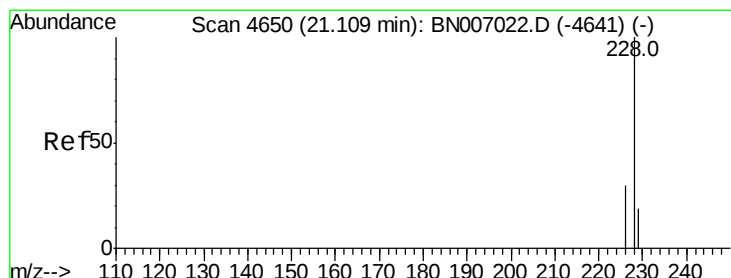
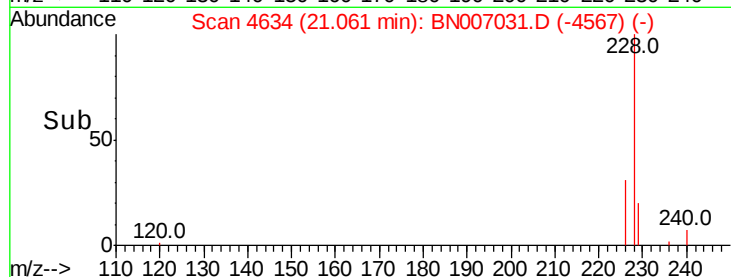
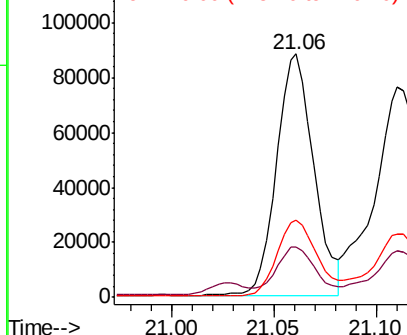
228 100

229 20.8 15.9 23.9

226 31.6 22.2 33.4



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: 0.654 ng/ul

RT: 21.11 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

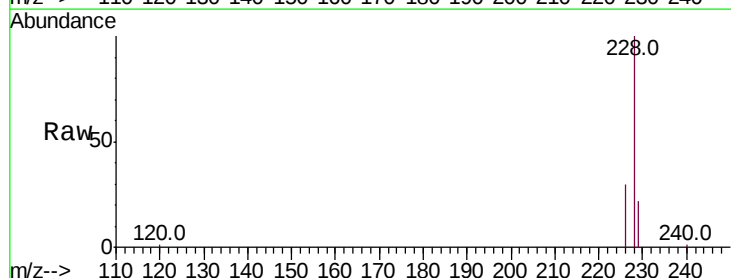
Tgt Ion:228 Resp: 114514

Ion Ratio Lower Upper

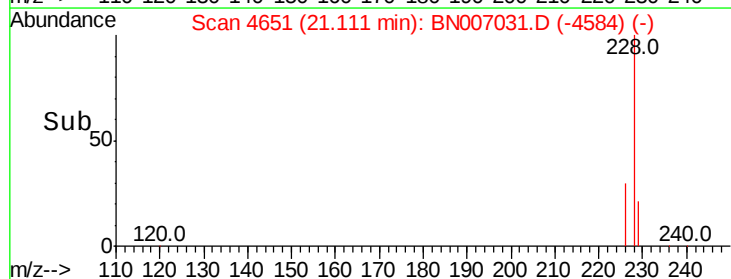
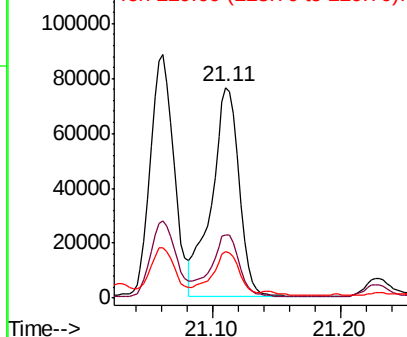
228 100

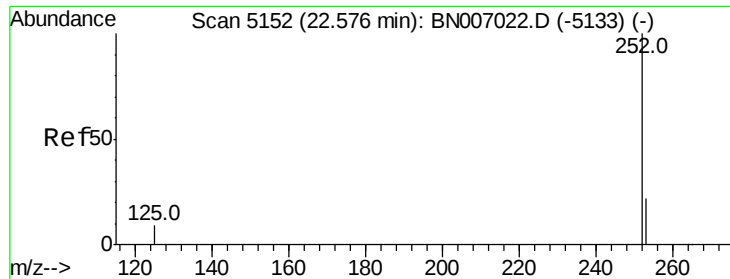
226 30.2 24.7 37.1

229 22.2 15.5 23.3



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: 1.014 ng/ul

RT: 22.58 min Scan# 5154

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

Instrument :

BNA_N

ClientSampleId :

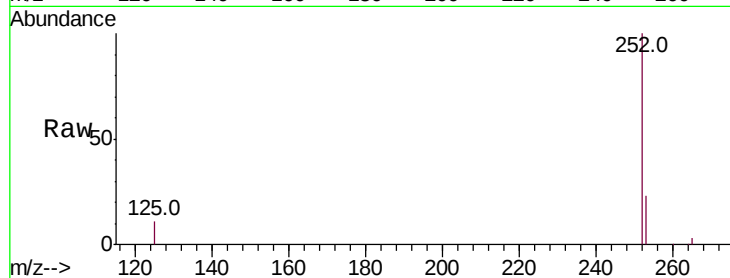
Tot Ion:252 Resp: 161762

Ion Ratio Lower Upper

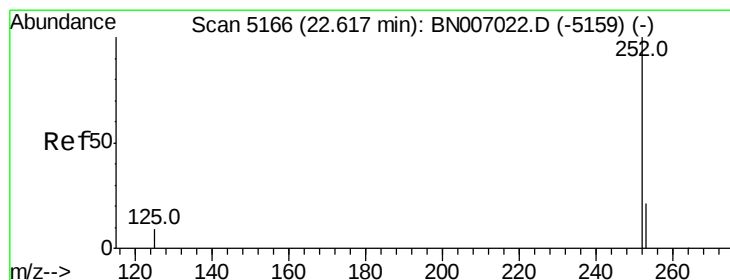
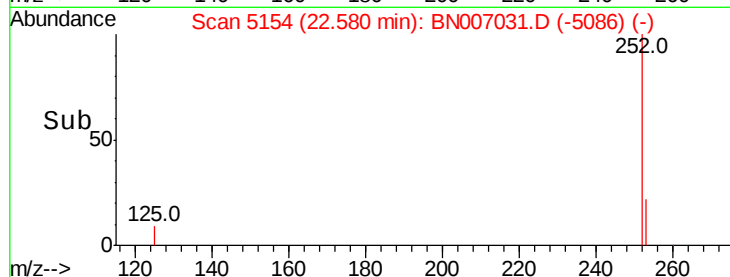
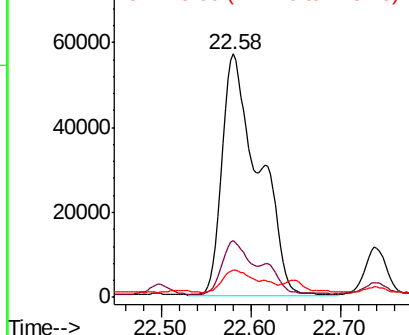
252 100

253 23.2 0.0 45.2

125 11.0 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: 1.046 ng/ul

RT: 22.58 min Scan# 5154

Delta R.T. -0.04 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

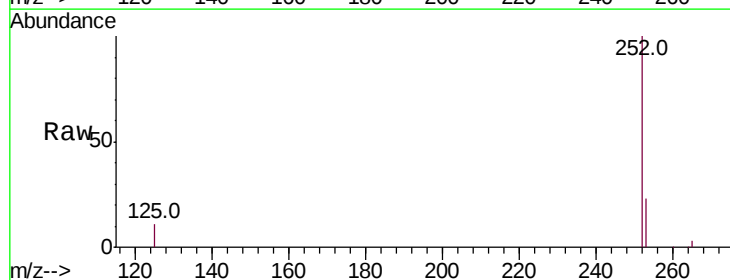
Tgt Ion:252 Resp: 161762

Ion Ratio Lower Upper

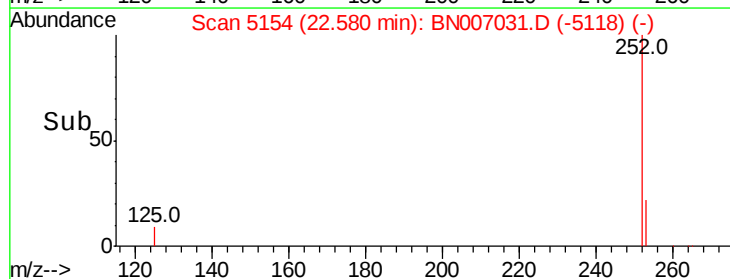
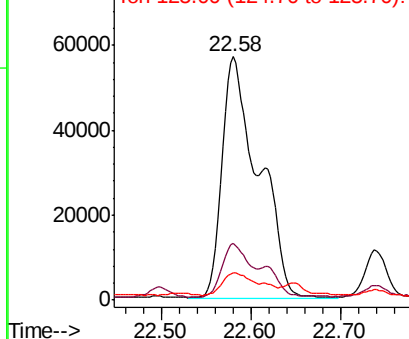
252 100

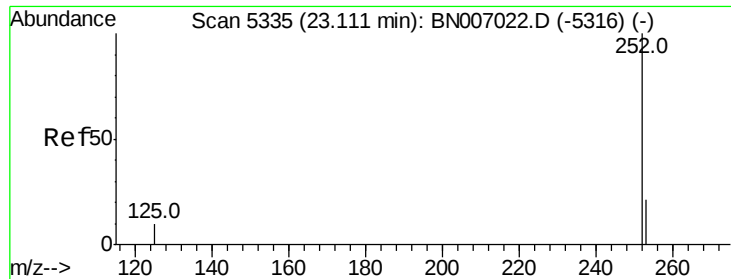
253 23.2 18.6 28.0

125 11.0 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: 0.535 ng/ul

RT: 23.12 min Scan# 5337

Delta R.T. -0.00 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

Instrument :

BNA_N

ClientSampleId :

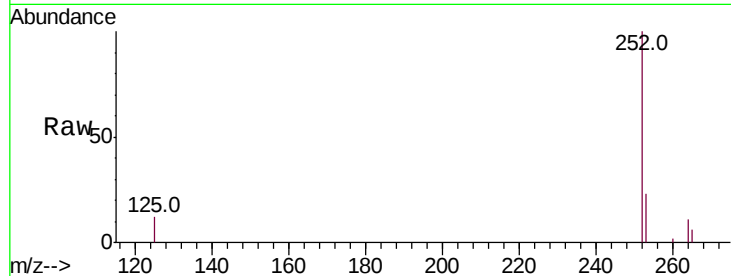
Tot Ion:252 Resp: 80436

Ion Ratio Lower Upper

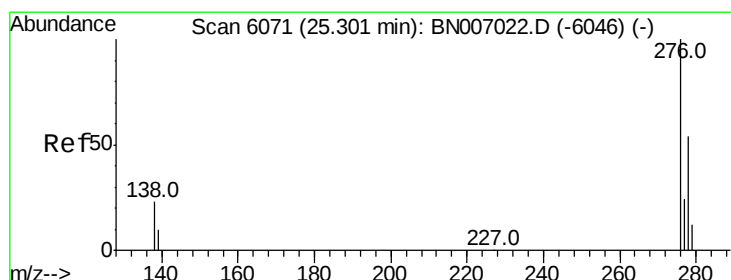
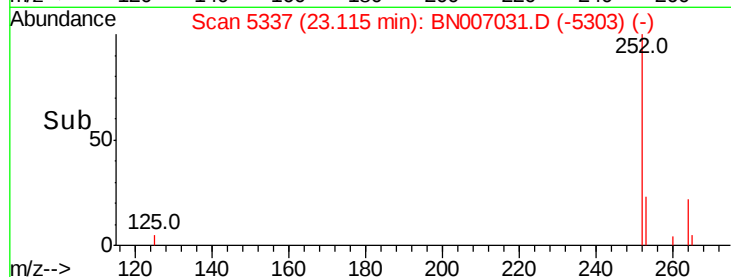
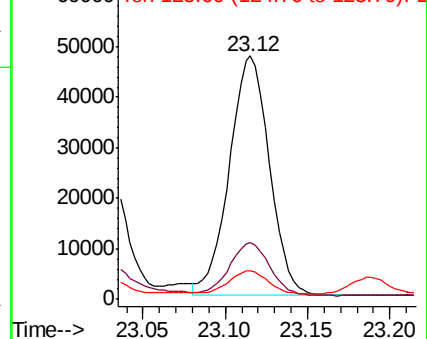
252 100

253 23.2 18.0 27.0

125 11.5 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: 0.295 ng/ul

RT: 25.30 min Scan# 6071

Delta R.T. -0.01 min

Lab File: BN007031.D

Acq: 08 Aug 2019 18:28

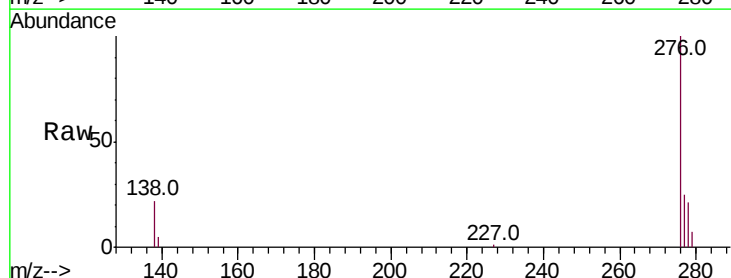
Tgt Ion:276 Resp: 47765

Ion Ratio Lower Upper

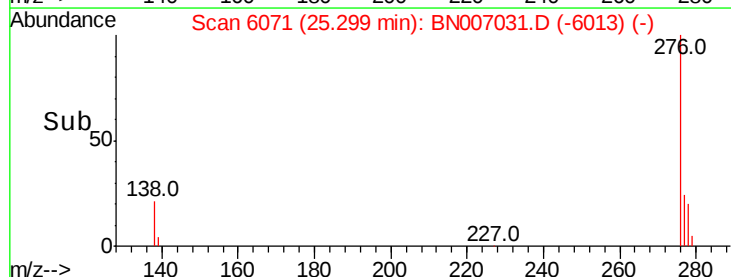
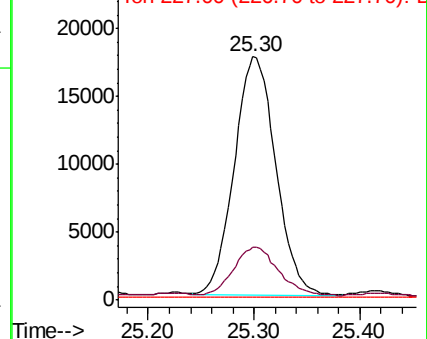
276 100

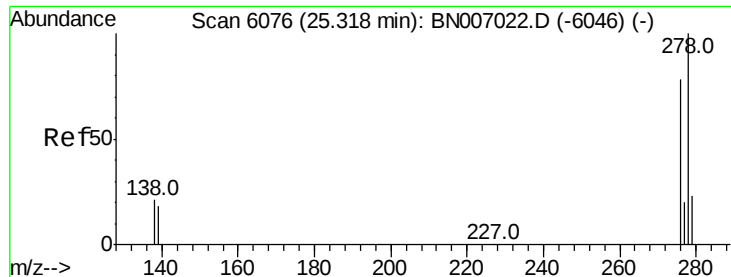
138 22.2 19.9 29.9

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

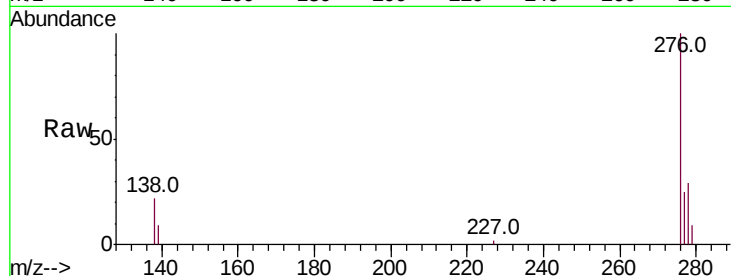




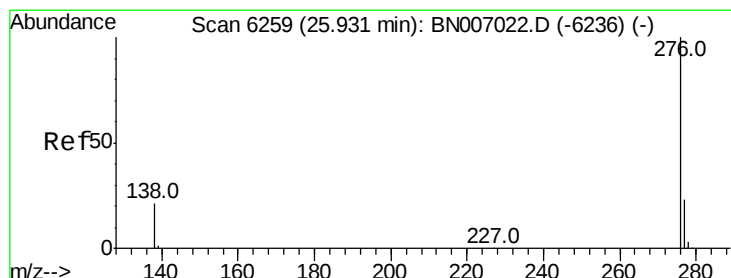
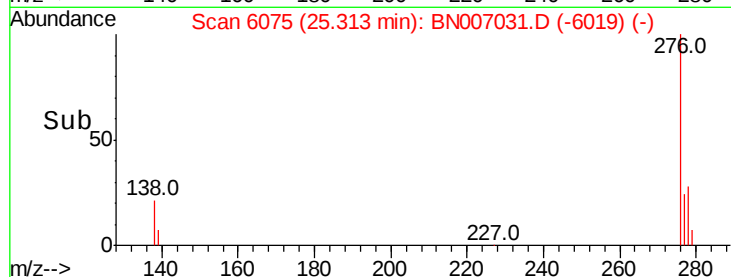
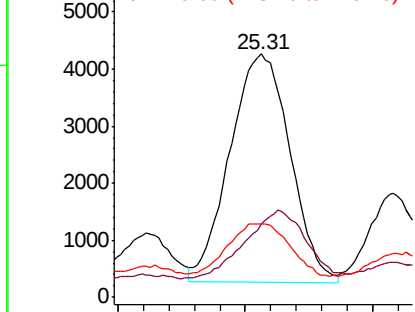
#25
Dibenzo(a,h)anthracene
Concen: 0.102 ng/ul
RT: 25.31 min Scan# 6075
Delta R.T. -0.01 min
Lab File: BN007031.D
Acq: 08 Aug 2019 18:28

Instrument :
BNA_N
ClientSampled :

Tot Ion:278 Resp: 13141
Ion Ratio Lower Upper
278 100
139 29.9 14.3 21.5#
279 30.2 19.6 29.4#

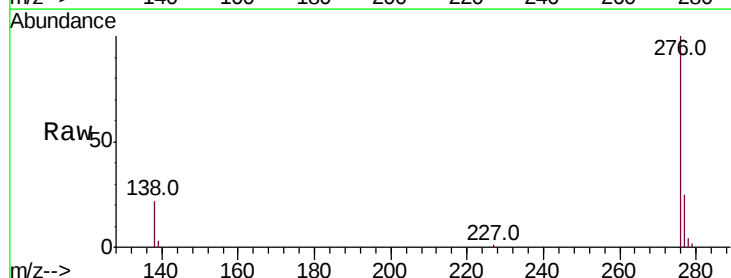


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.339 ng/ul
RT: 25.94 min Scan# 6261
Delta R.T. -0.00 min
Lab File: BN007031.D
Acq: 08 Aug 2019 18:28

Tgt Ion:276 Resp: 46082
Ion Ratio Lower Upper
276 100
138 22.1 18.7 28.1
277 24.6 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

