

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053019\
 Data File : BN005970.D
 Acq On : 30 May 2019 21:32
 Operator : JU/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 31 01:07:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 15:28:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	9366	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	36024	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.39	164	19074	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	40906	0.40	ng/ul	0.00
16) Chrysene-d12	21.35	240	24193	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	22100	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	22003	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.18	212	40636	0.37	ng/ul	0.00

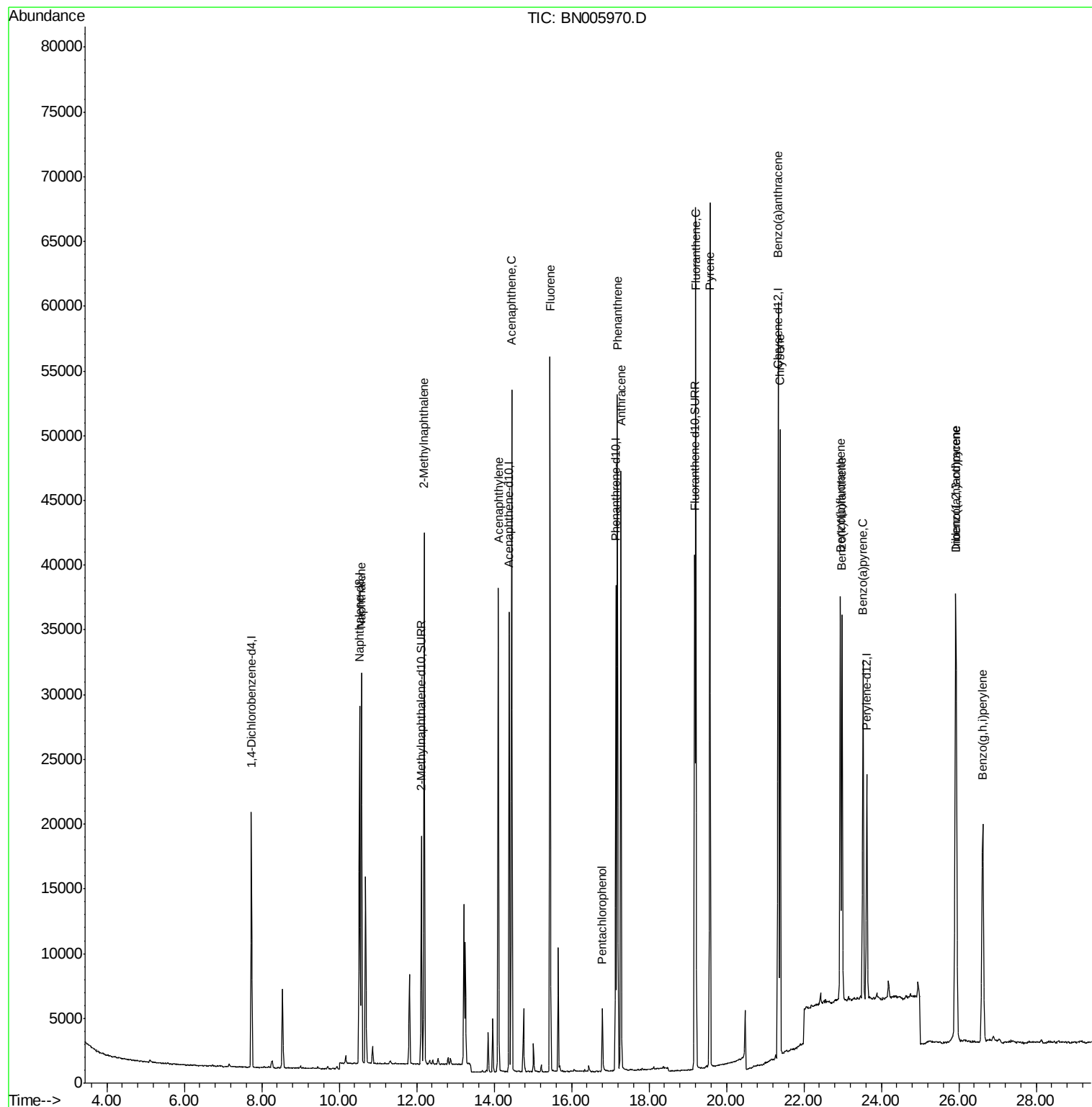
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.57	128	39614	0.398	ng/ul	99
5) 2-Methylnaphthalene	12.19	142	27664	0.399	ng/ul	100
7) Acenaphthylene	14.11	152	41130	0.388	ng/ul	100
8) Acenaphthene	14.45	153	29035	0.395	ng/ul	100
9) Fluorene	15.44	166	32765	0.381	ng/ul	96
11) Pentachlorophenol	16.79	266	3439	0.331	ng/ul	100
12) Phenanthrene	17.18	178	51669	0.393	ng/ul	99
13) Anthracene	17.28	178	49393	0.394	ng/ul	99
15) Fluoranthene	19.21	202	53757	0.371	ng/ul	97
17) Pyrene	19.57	202	53782	0.422	ng/ul	97
18) Benzo(a)anthracene	21.33	228	42660	0.399	ng/ul	99
19) Chrysene	21.39	228	40324	0.401	ng/ul	99
21) Benzo(b)fluoranthene	22.94	252	36308	0.394	ng/ul	98
22) Benzo(k)fluoranthene	22.98	252	35521	0.396	ng/ul	100
23) Benzo(a)pyrene	23.53	252	34813	0.406	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.92	276	39723	0.428	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.93	278	31822	0.428	ng/ul	99
26) Benzo(g,h,i)perylene	26.62	276	33790	0.434	ng/ul	99

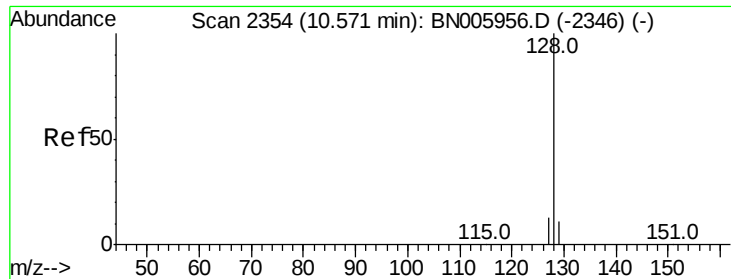
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053019\
Data File : BN005970.D
Acq On : 30 May 2019 21:32
Operator : JU/SJ
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: May 31 01:07:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 15:28:35 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.398 ng/ul

RT: 10.57 min Scan# 2354

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

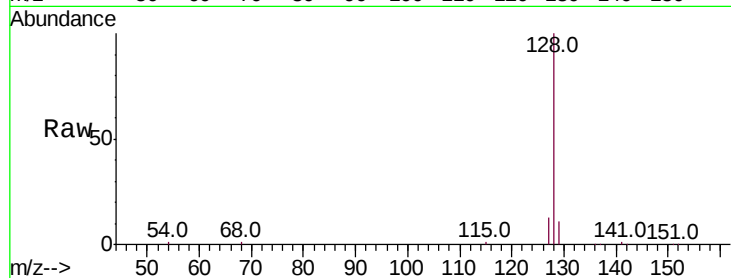
Tot Ion:128 Resp: 39614

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

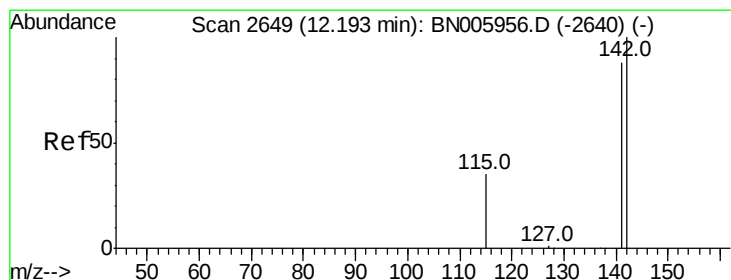
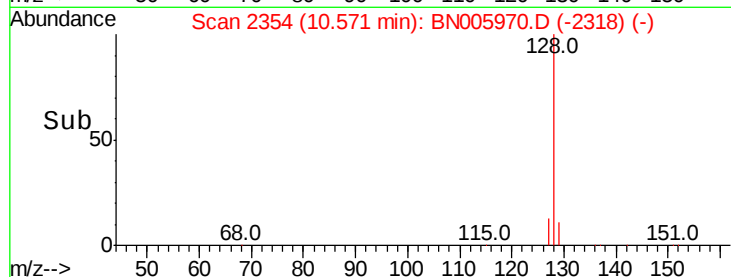
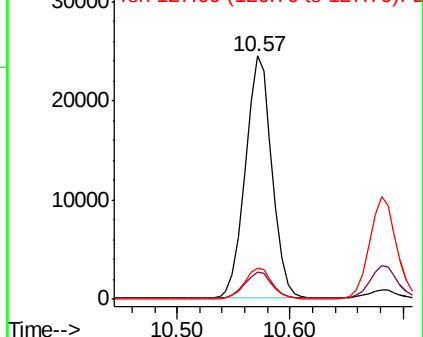
127 13.0 10.7 16.1



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: 0.399 ng/ul

RT: 12.19 min Scan# 2649

Delta R.T. 0.00 min

Lab File: BN005970.D

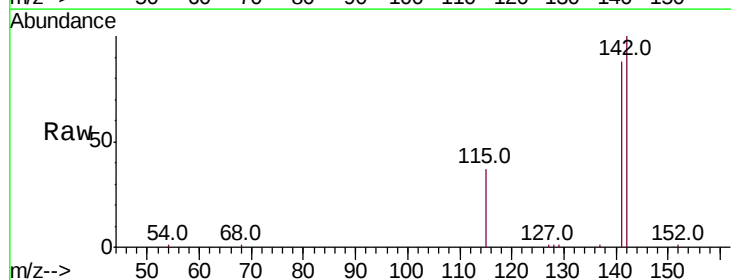
Acq: 30 May 2019 21:32

Tgt Ion:142 Resp: 27664

Ion Ratio Lower Upper

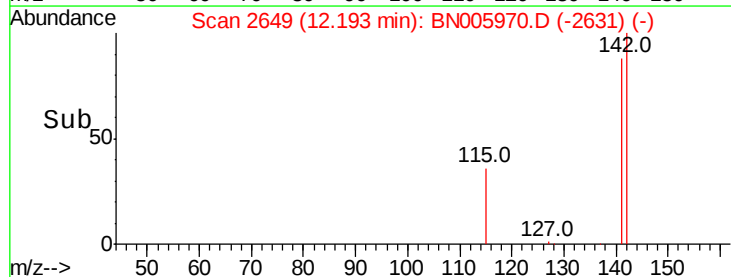
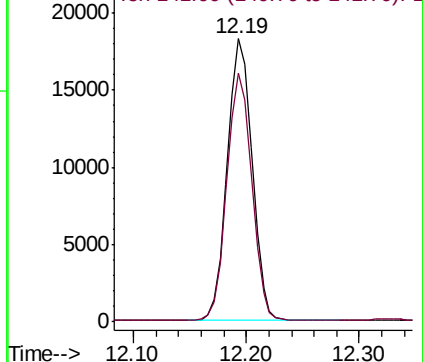
142 100

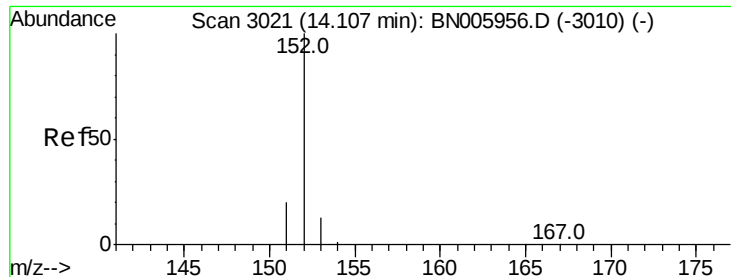
141 88.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.388 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

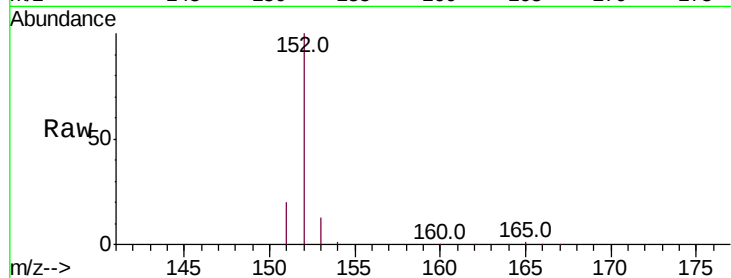
Tot Ion:152 Resp: 41130

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

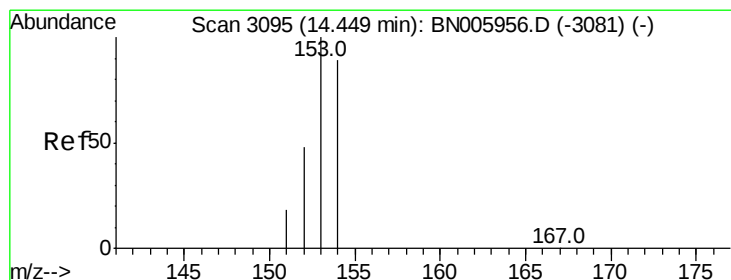
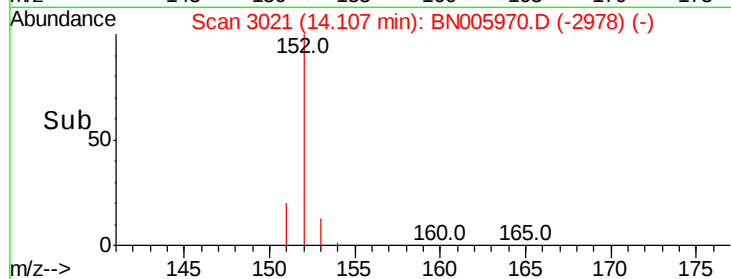
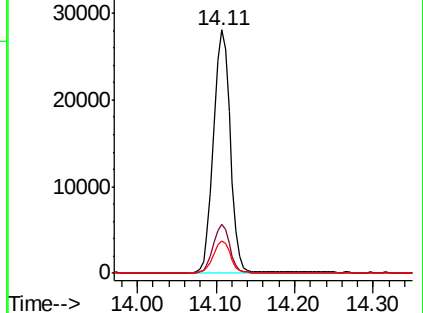
153 13.3 10.8 16.2



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: 0.395 ng/ul

RT: 14.45 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

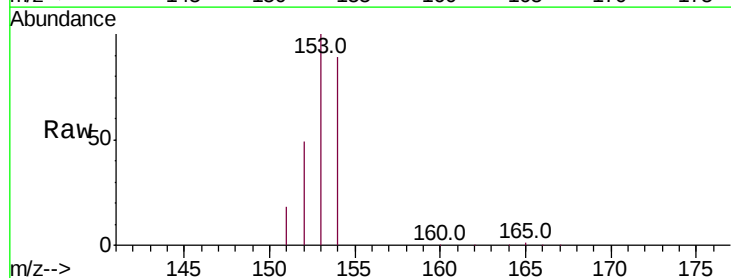
Tgt Ion:153 Resp: 29035

Ion Ratio Lower Upper

153 100

152 48.6 39.1 58.7

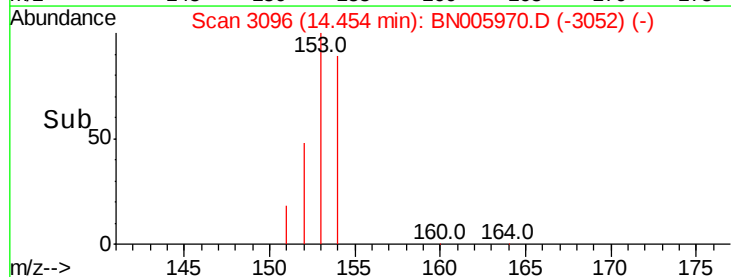
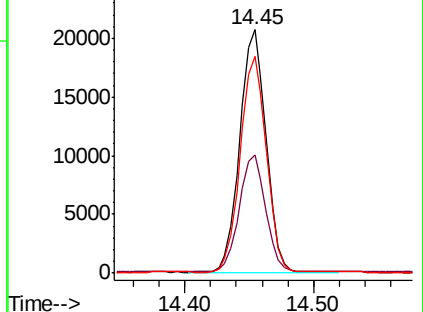
154 89.1 71.1 106.7

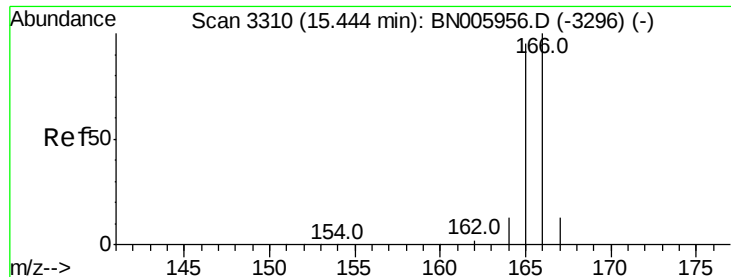


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.381 ng/ul

RT: 15.44 min Scan# 3310

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

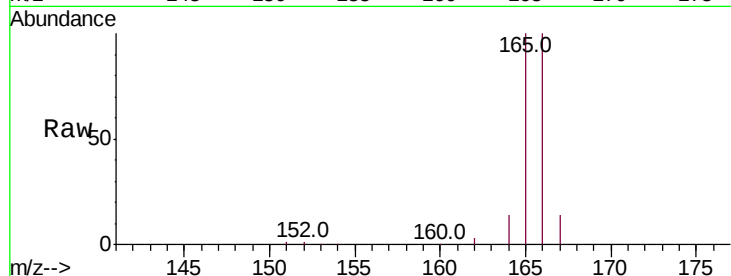
Tot Ion:166 Resp: 32765

Ion Ratio Lower Upper

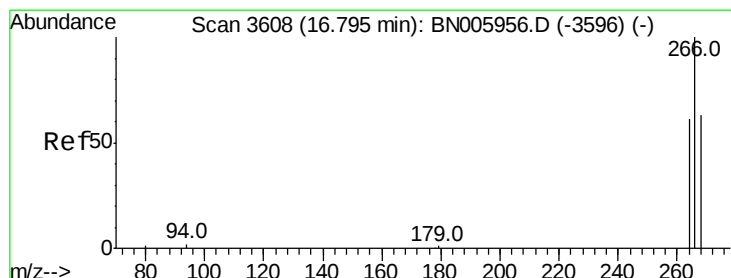
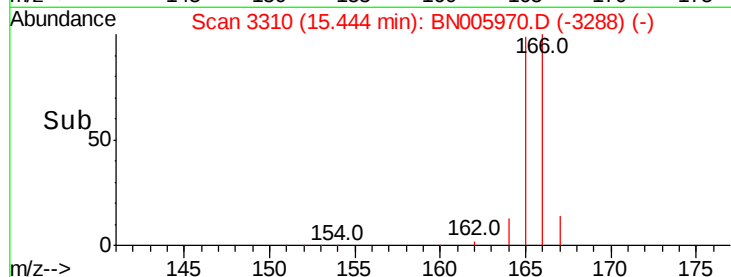
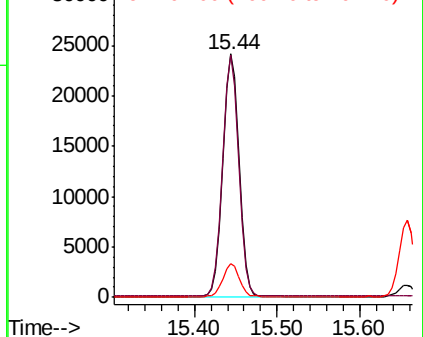
166 100

165 99.7 76.4 114.6

167 13.9 11.0 16.6



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: 0.331 ng/ul

RT: 16.79 min Scan# 3608

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

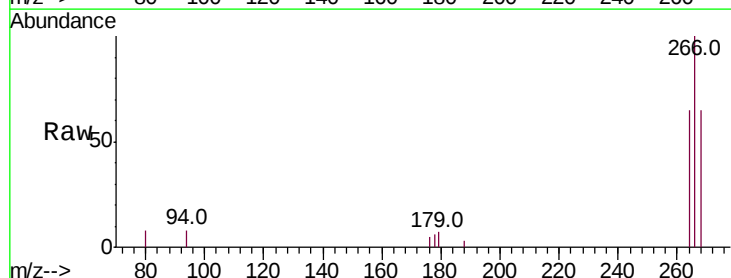
Tgt Ion:266 Resp: 3439

Ion Ratio Lower Upper

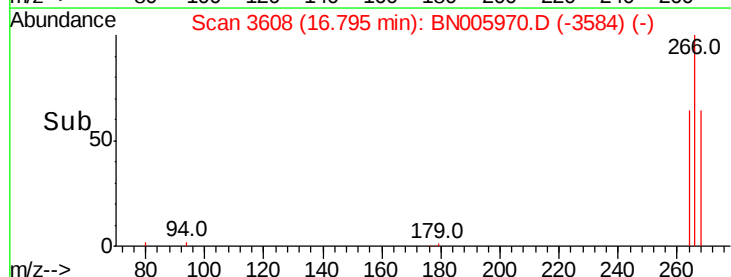
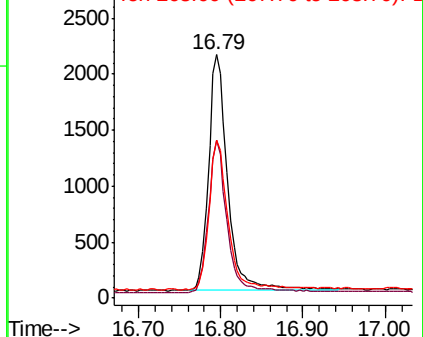
266 100

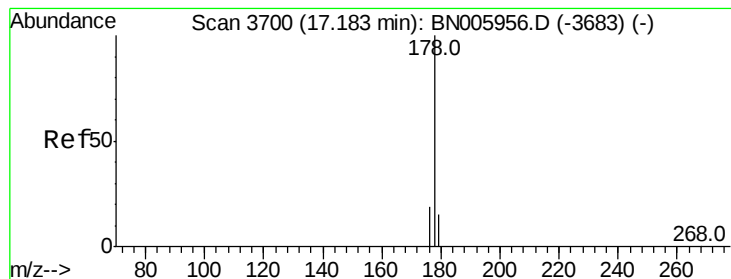
264 63.4 50.3 75.5

268 64.0 51.3 76.9



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: 0.393 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

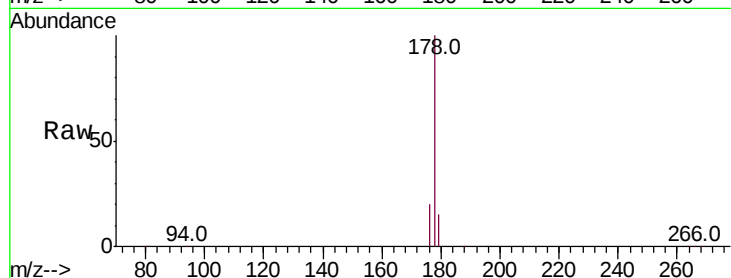
Tot Ion:178 Resp: 51669

Ion Ratio Lower Upper

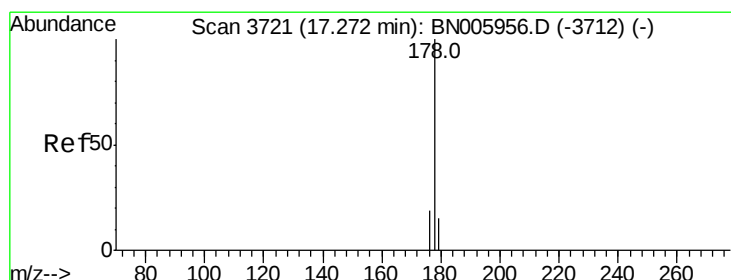
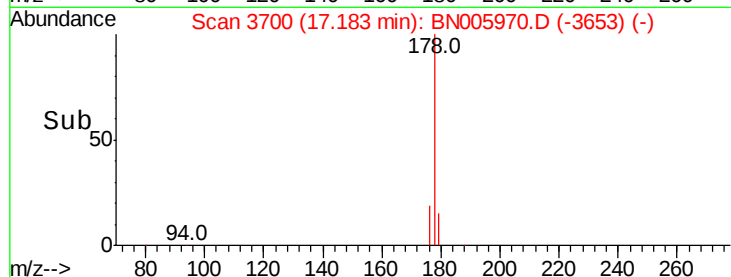
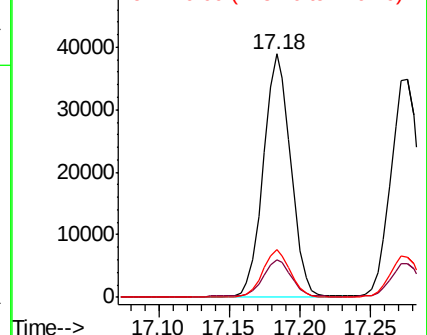
178 100

179 15.5 12.3 18.5

176 19.5 15.3 22.9



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: 0.394 ng/ul

RT: 17.28 min Scan# 3722

Delta R.T. 0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

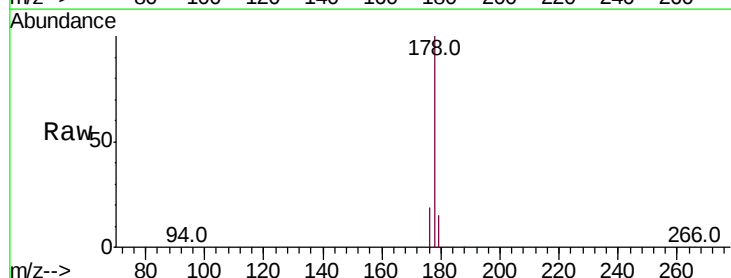
Tgt Ion:178 Resp: 49393

Ion Ratio Lower Upper

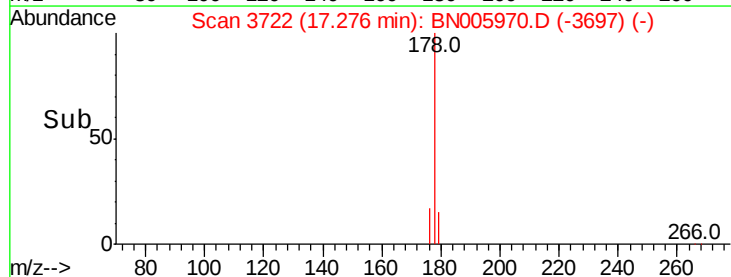
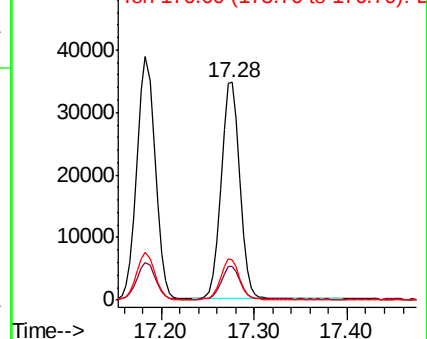
178 100

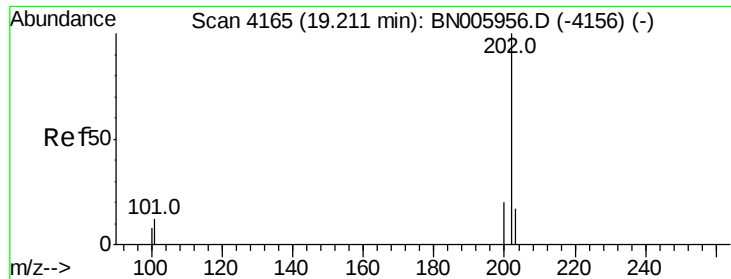
179 15.5 12.2 18.4

176 18.6 15.1 22.7



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

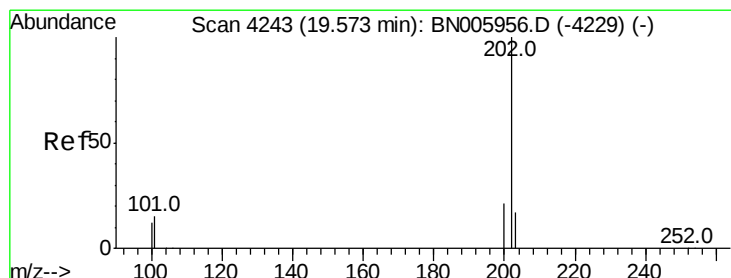
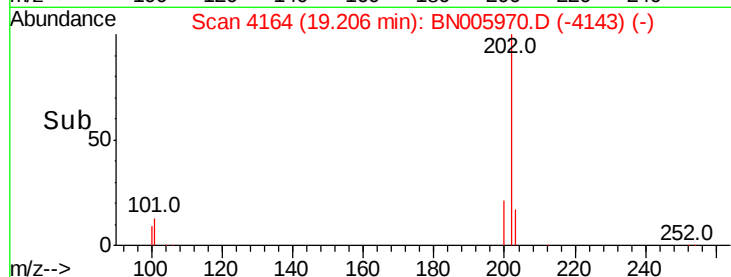
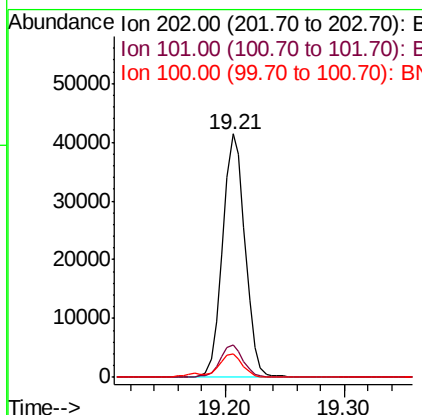
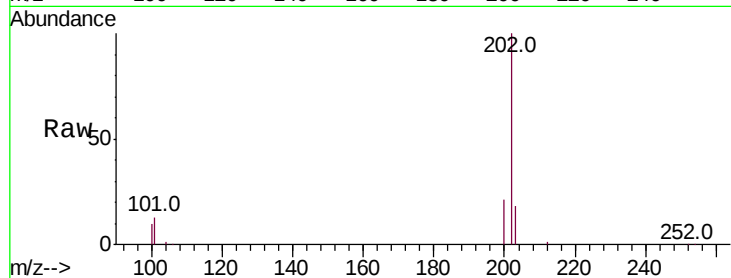




#15
Fluoranthene
Concen: 0.371 ng/ul
RT: 19.21 min Scan# 4164
Delta R.T. -0.00 min
Lab File: BN005970.D
Acq: 30 May 2019 21:32

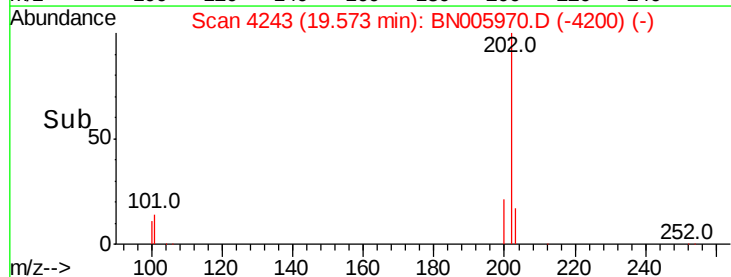
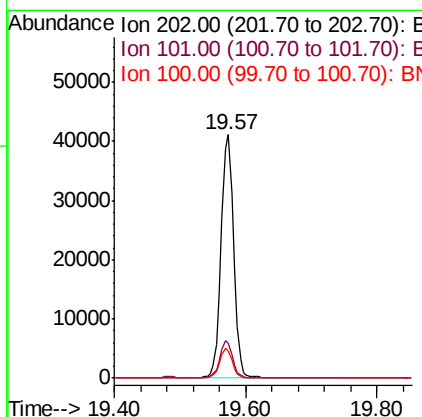
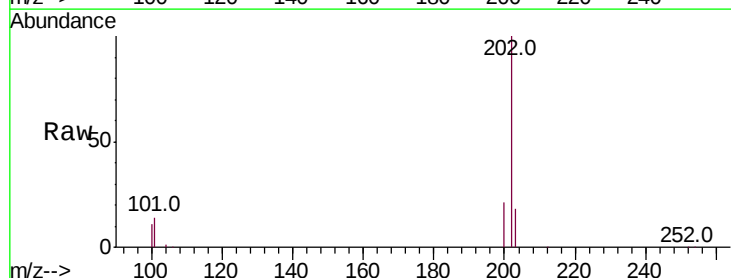
Instrument :
BNA_N
ClientSampleId :

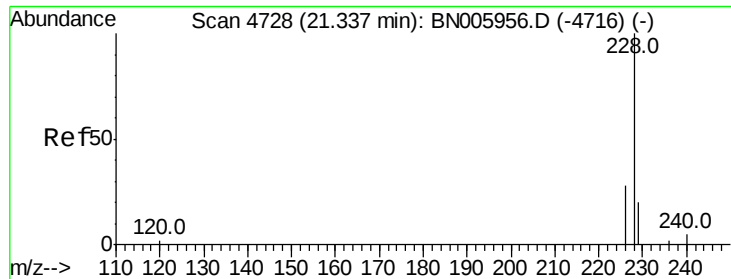
Tot Ion:202 Resp: 53757
Ion Ratio Lower Upper
202 100
101 13.3 0.0 32.1
100 9.6 0.0 28.7



#17
Pyrene
Concen: 0.422 ng/ul
RT: 19.57 min Scan# 4243
Delta R.T. 0.00 min
Lab File: BN005970.D
Acq: 30 May 2019 21:32

Tgt Ion:202 Resp: 53782
Ion Ratio Lower Upper
202 100
101 14.2 12.2 18.2
100 11.0 9.8 14.6





#18

Benzo(a)anthracene

Concen: 0.399 ng/ul

RT: 21.33 min Scan# 4727

Delta R.T. -0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

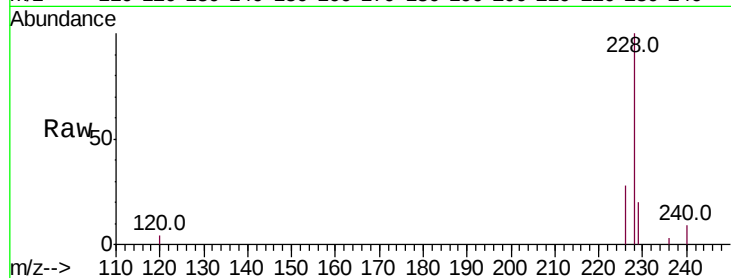
Tot Ion:228 Resp: 42660

Ion Ratio Lower Upper

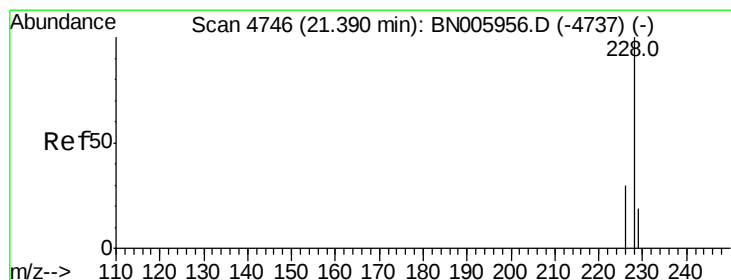
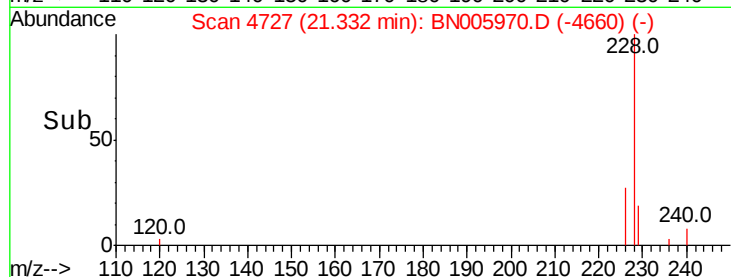
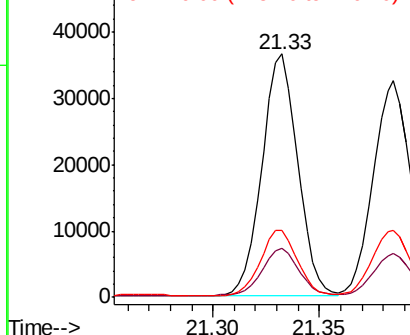
228 100

229 20.1 16.5 24.7

226 27.7 22.8 34.2



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: 0.401 ng/ul

RT: 21.39 min Scan# 4745

Delta R.T. -0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

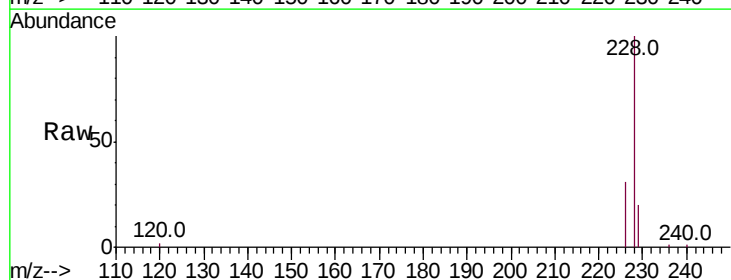
Tgt Ion:228 Resp: 40324

Ion Ratio Lower Upper

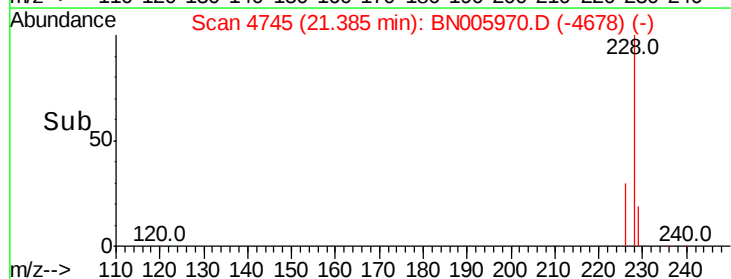
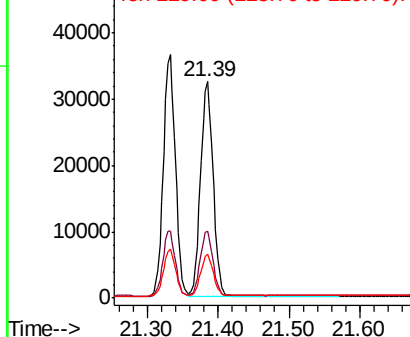
228 100

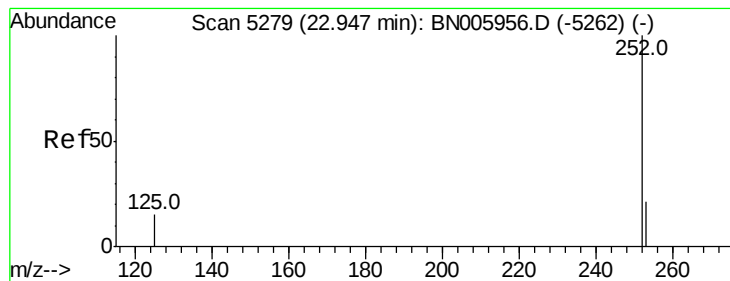
226 30.7 25.0 37.6

229 20.2 16.3 24.5



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: 0.394 ng/u1

RT: 22.94 min Scan# 5277

Delta R.T. -0.01 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

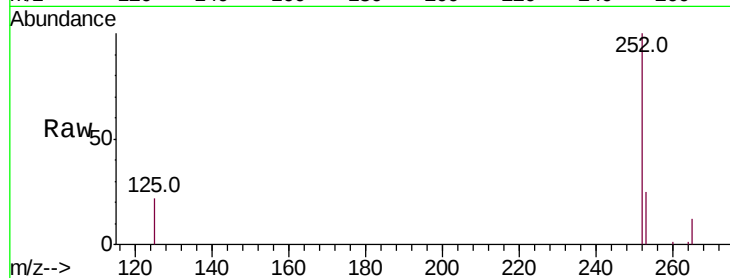
Tot Ion:252 Resp: 36308

Ion Ratio Lower Upper

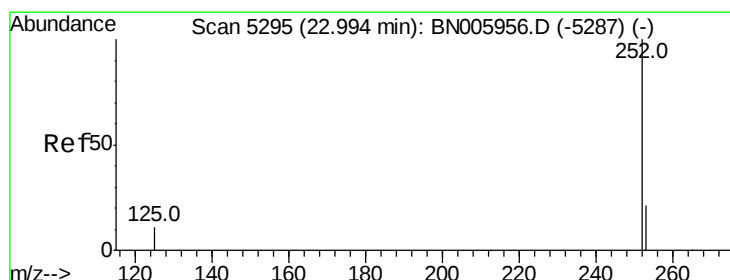
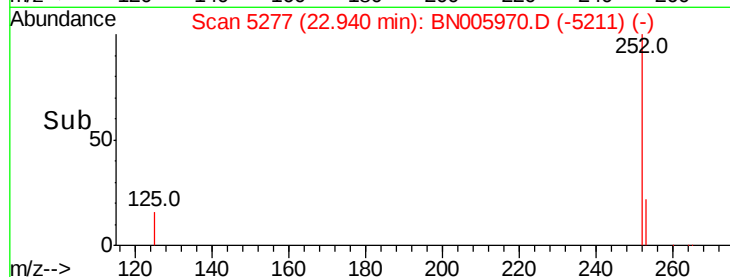
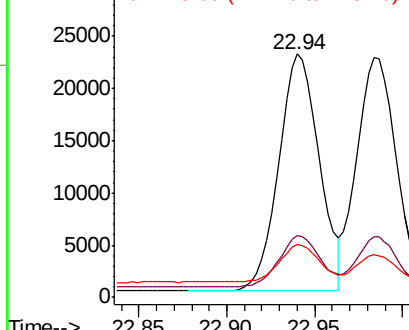
252 100

253 25.2 0.0 51.4

125 21.7 0.0 41.0



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



#22

Benzo(k)fluoranthene

Concen: 0.396 ng/u1

RT: 22.98 min Scan# 5292

Delta R.T. -0.01 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

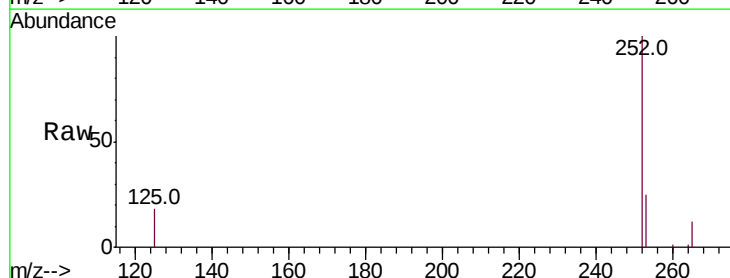
Tgt Ion:252 Resp: 35521

Ion Ratio Lower Upper

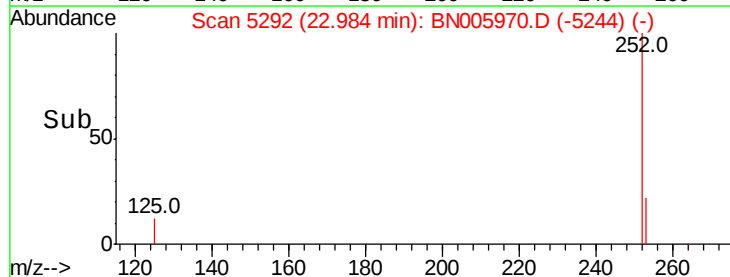
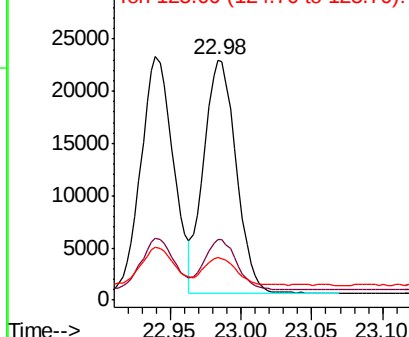
252 100

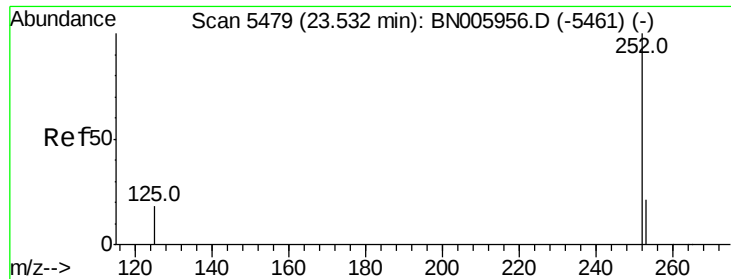
253 25.2 20.3 30.5

125 17.9 14.3 21.5



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: 0.406 ng/ul

RT: 23.53 min Scan# 5478

Delta R.T. -0.00 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

Instrument :

BNA_N

ClientSampleId :

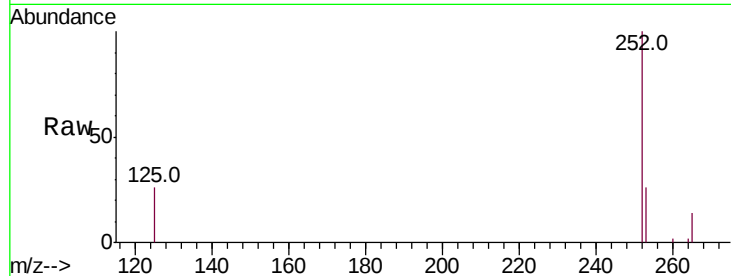
Tot Ion:252 Resp: 34813

Ion Ratio Lower Upper

252 100

253 26.2 21.1 31.7

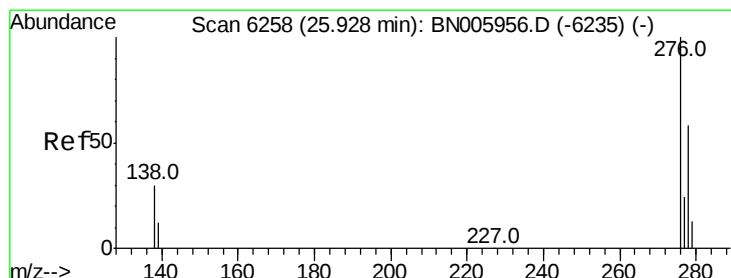
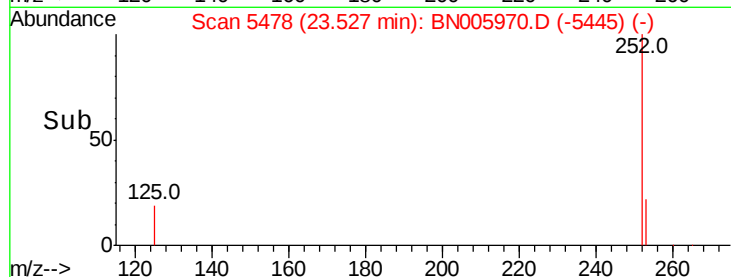
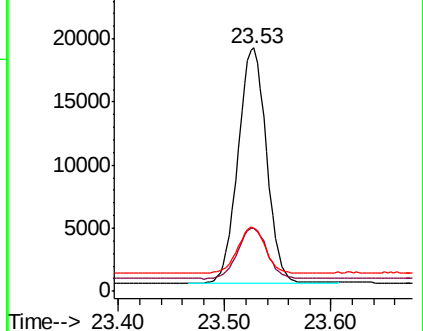
125 25.7 20.3 30.5



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.428 ng/ul

RT: 25.92 min Scan# 6255

Delta R.T. -0.01 min

Lab File: BN005970.D

Acq: 30 May 2019 21:32

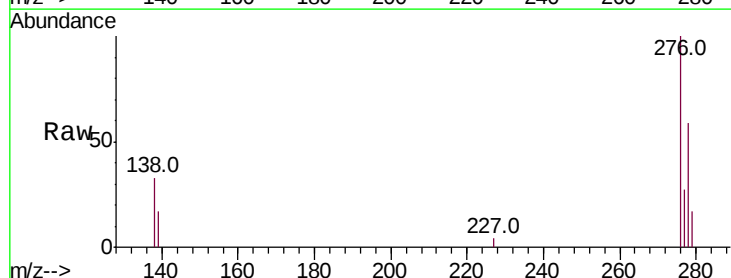
Tgt Ion:276 Resp: 39723

Ion Ratio Lower Upper

276 100

138 31.8 25.6 38.4

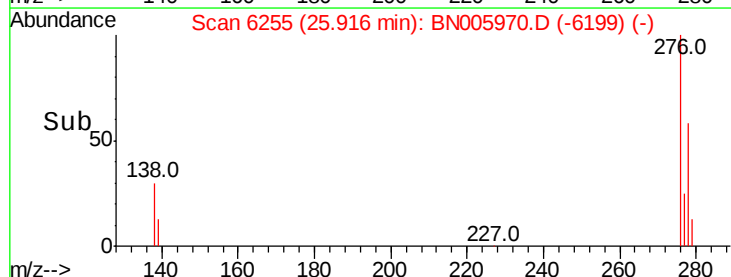
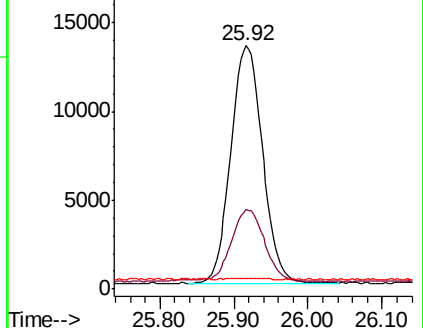
227 0.1 0.3 0.5#

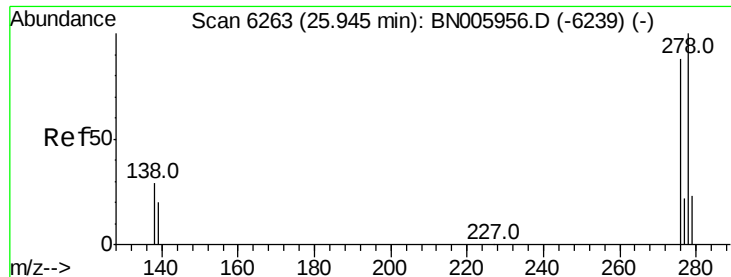


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



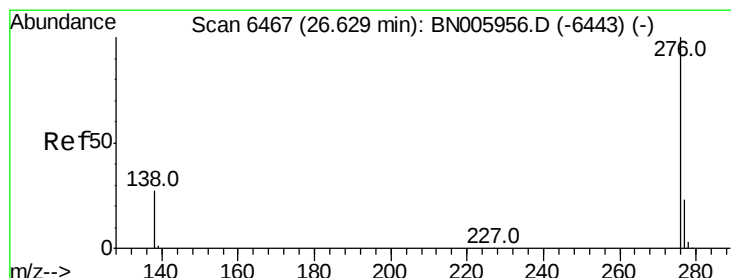
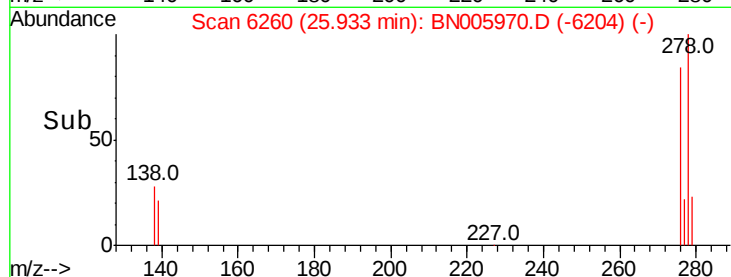
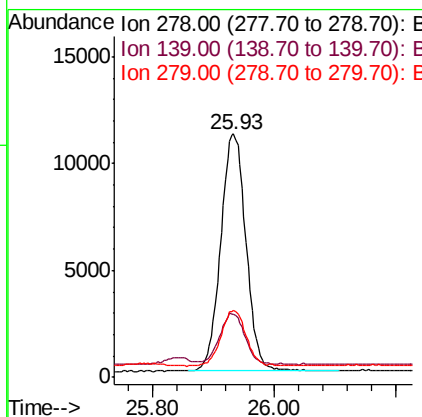
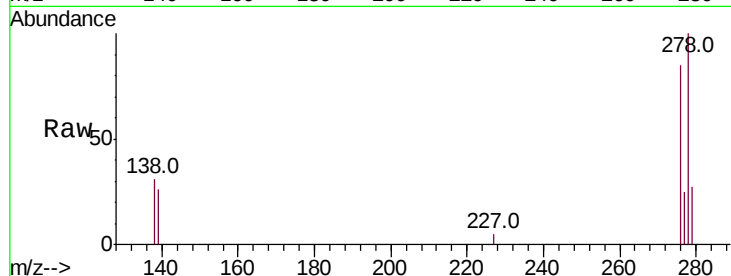


#25
Dibenzo(a,h)anthracene
Concen: 0.428 ng/ul
RT: 25.93 min Scan# 6260
Delta R.T. -0.01 min
Lab File: BN005970.D
Acq: 30 May 2019 21:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 31822

Ion	Ratio	Lower	Upper
278	100		
139	26.2	21.2	31.8
279	27.3	22.6	33.8



#26
Benzo(g,h,i)perylene
Concen: 0.434 ng/ul
RT: 26.62 min Scan# 6464
Delta R.T. -0.01 min
Lab File: BN005970.D
Acq: 30 May 2019 21:32

Tgt Ion:276 Resp: 33790

Ion	Ratio	Lower	Upper
276	100		
138	30.5	24.2	36.4
277	26.5	21.5	32.3

