

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110519\
 Data File : BN008463.D
 Acq On : 06 Nov 2019 00:47
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 07 11:11:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN110519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 10:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1323	0.40	ng/ul	0.01
2) Naphthalene-d8	10.32	136	5895	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	3712	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	6947	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	4958	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	4453	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	3581	0.38	ng/ul	0.01
14) Fluoranthene-d10	18.99	212	8290	0.40	ng/ul	0.00

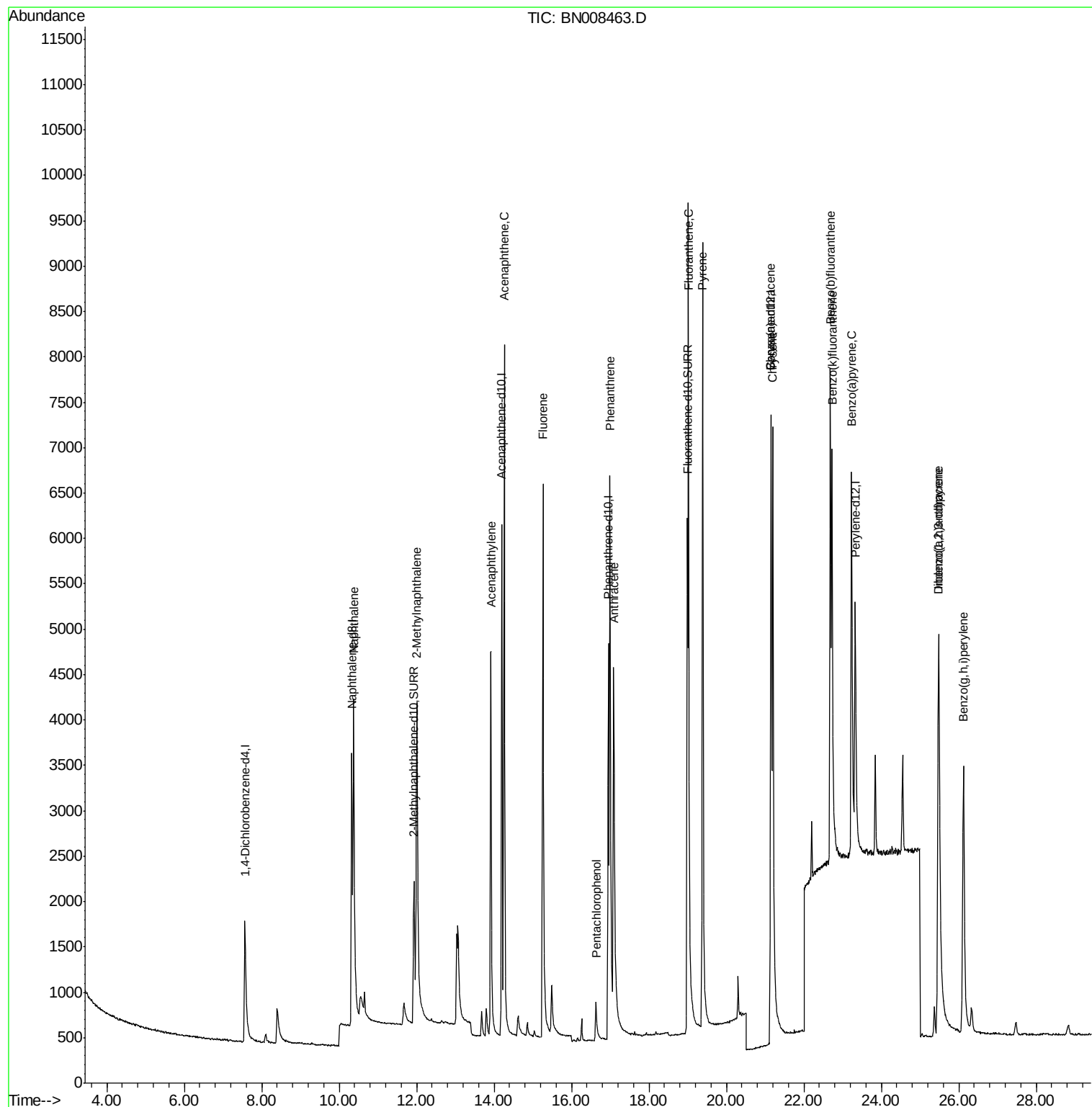
Target Compounds					Ovalue	
3) Naphthalene	10.37	128	6678	0.398	ng/ul	100
5) 2-Methylnaphthalene	12.00	142	4306	0.385	ng/ul	98
7) Acenaphthylene	13.92	152	6262	0.362	ng/ul	100
8) Acenaphthene	14.26	153	5228	0.373	ng/ul	99
9) Fluorene	15.26	166	5551	0.362	ng/ul	100
11) Pentachlorophenol	16.63	266	516	0.341	ng/ul	98
12) Phenanthrene	16.99	178	8378	0.397	ng/ul	100
13) Anthracene	17.09	178	7114	0.385	ng/ul	100
15) Fluoranthene	19.02	202	9675	0.400	ng/ul	99
17) Pyrene	19.38	202	10117	0.418	ng/ul	98
18) Benzo(a)anthracene	21.14	228	6291	0.364	ng/ul	99
19) Chrysene	21.20	228	9219	0.420	ng/ul	99
21) Benzo(b)fluoranthene	22.68	252	6665	0.402	ng/ul	93
22) Benzo(k)fluoranthene	22.72	252	7643	0.405	ng/ul	99
23) Benzo(a)pyrene	23.24	252	6696	0.401	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.47	276	7552	0.398	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.49	278	5940	0.395	ng/ul	99
26) Benzo(g,h,i)perylene	26.12	276	6971	0.410	ng/ul	99

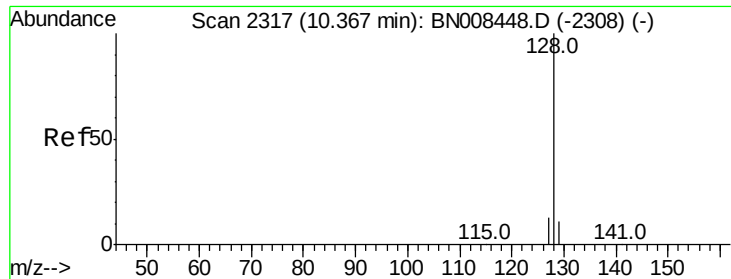
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.398 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

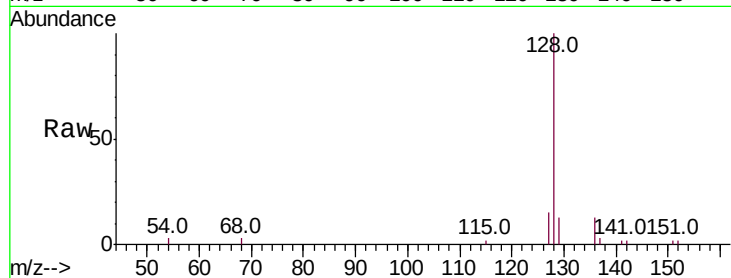
Tot Ion:128 Resp: 6678

Ion Ratio Lower Upper

128 100

129 12.7 10.0 15.0

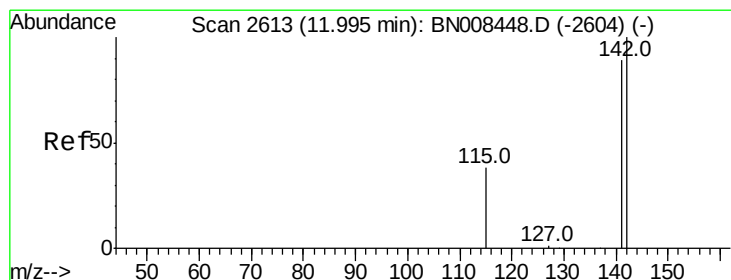
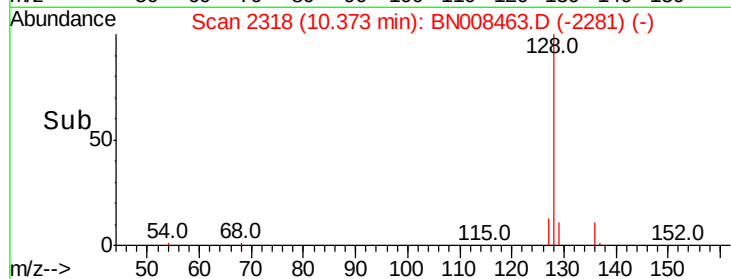
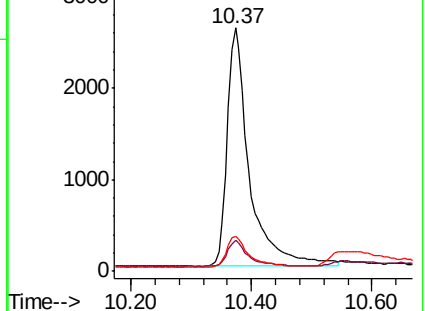
127 14.5 11.6 17.4



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: 0.385 ng/ul

RT: 12.00 min Scan# 2614

Delta R.T. 0.01 min

Lab File: BN008463.D

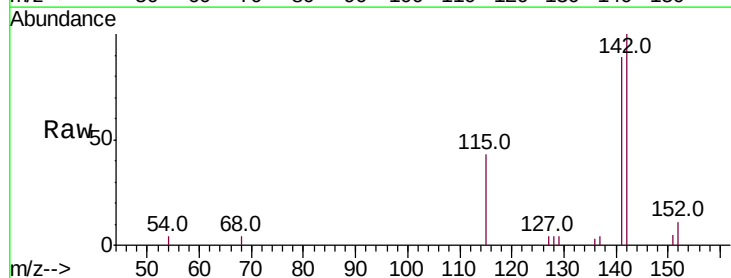
Acq: 06 Nov 2019 00:47

Tgt Ion:142 Resp: 4306

Ion Ratio Lower Upper

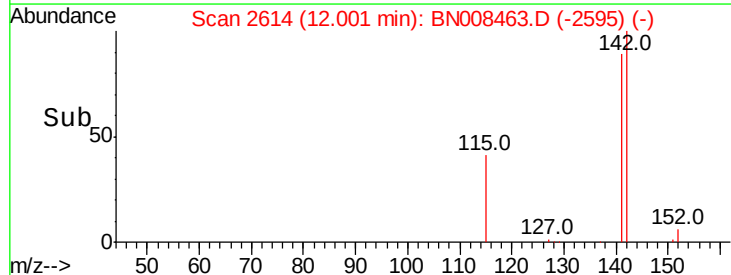
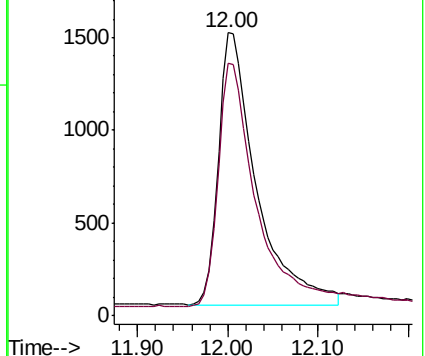
142 100

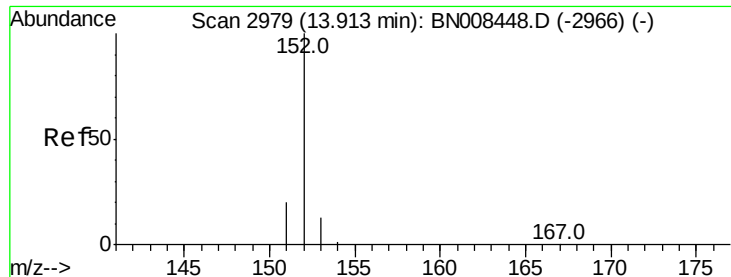
141 89.5 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.362 ng/ul

RT: 13.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

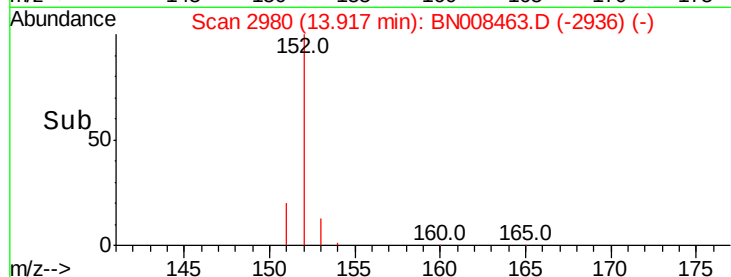
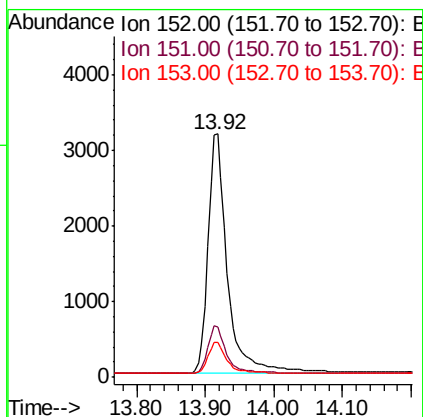
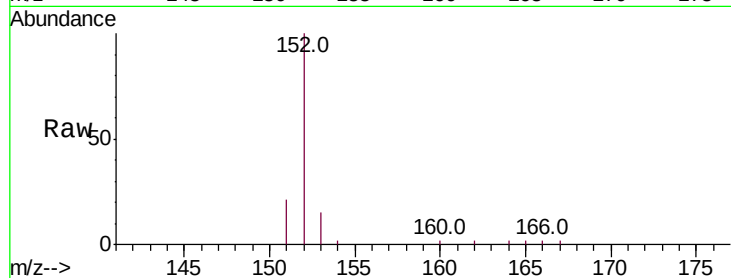
Tot Ion:152 Resp: 6262

Ion Ratio Lower Upper

152 100

151 20.8 16.7 25.1

153 14.5 11.4 17.2



#8

Acenaphthene

Concen: 0.373 ng/ul

RT: 14.26 min Scan# 3054

Delta R.T. 0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

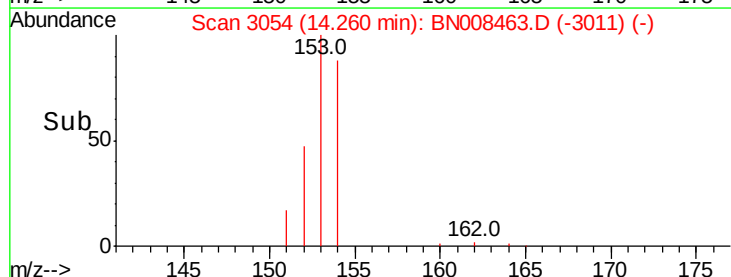
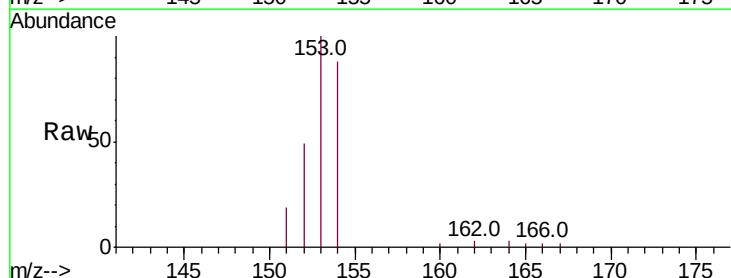
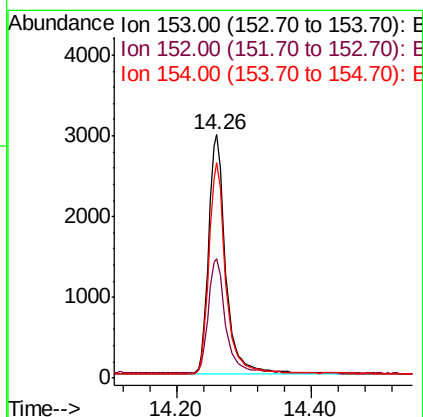
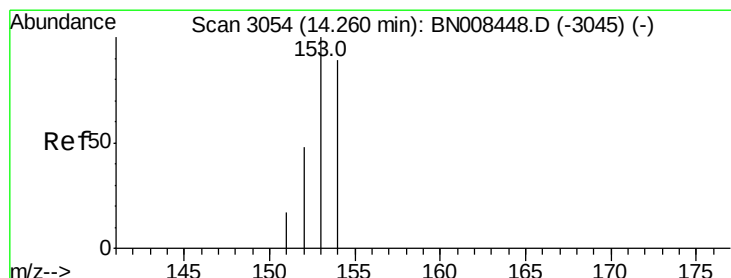
Tgt Ion:153 Resp: 5228

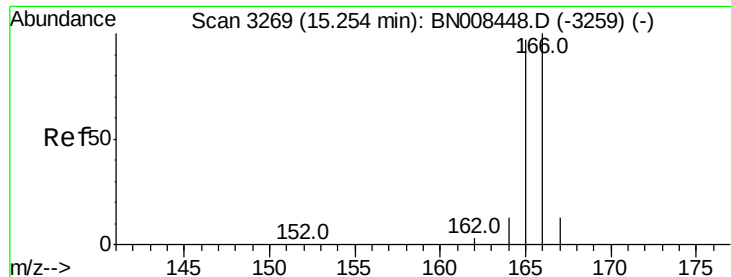
Ion Ratio Lower Upper

153 100

152 48.9 39.8 59.8

154 88.5 71.6 107.4

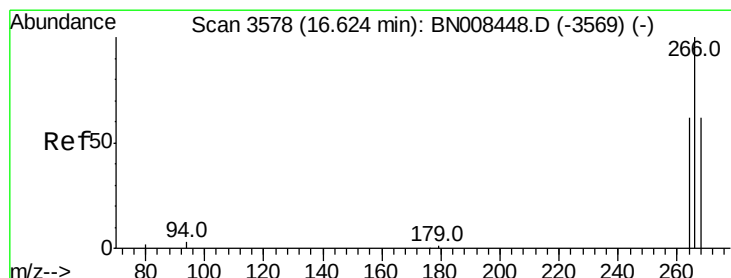
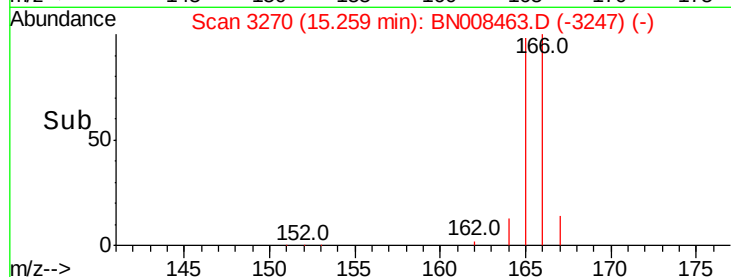
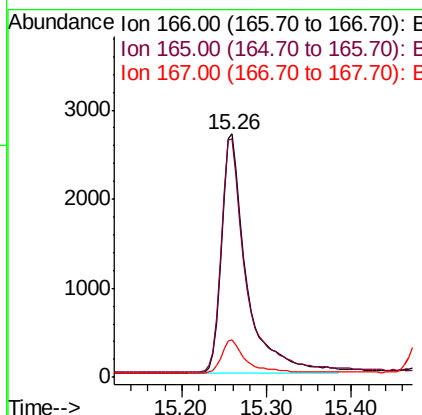
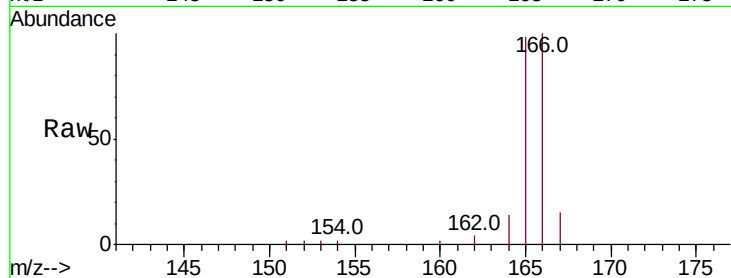




#9
Fluorene
 Concen: 0.362 ng/ul
 RT: 15.26 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: BN008463.D
 Acq: 06 Nov 2019 00:47

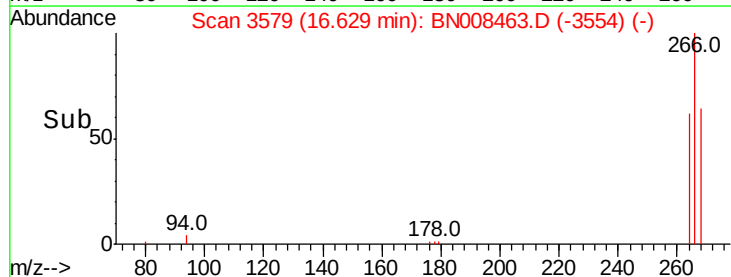
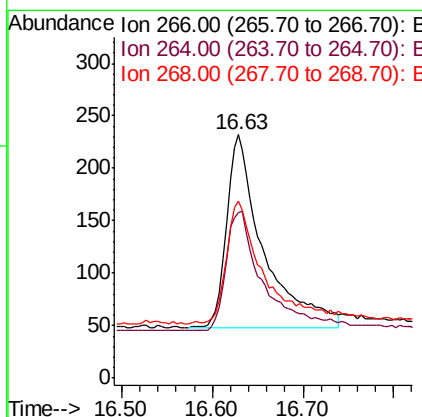
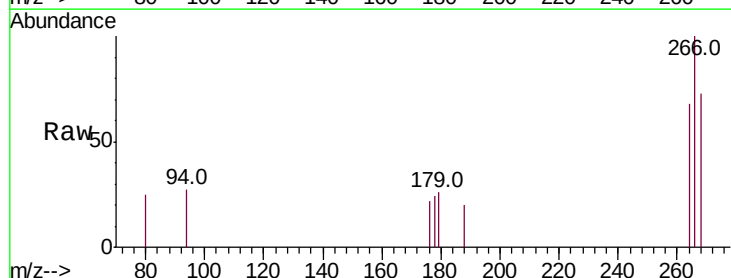
Instrument :
 BNA_N
 ClientSampleId :

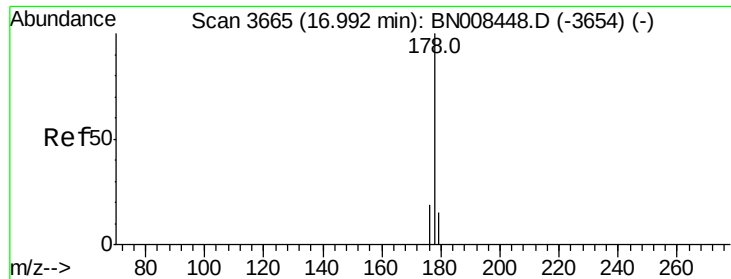
Tot Ion:166 Resp: 5551
 Ion Ratio Lower Upper
 166 100
 165 98.1 78.2 117.2
 167 15.3 12.1 18.1



#11
Pentachlorophenol
 Concen: 0.341 ng/ul
 RT: 16.63 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: BN008463.D
 Acq: 06 Nov 2019 00:47

Tgt Ion:266 Resp: 516
 Ion Ratio Lower Upper
 266 100
 264 63.8 49.8 74.8
 268 62.4 51.0 76.6





#12

Phenanthrene

Concen: 0.397 ng/ul

RT: 16.99 min Scan# 3665

Delta R.T. 0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

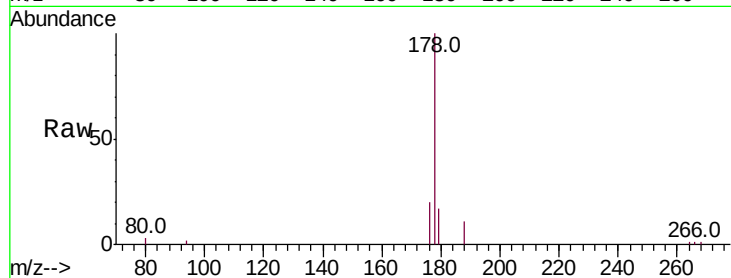
Tot Ion:178 Resp: 8378

Ion Ratio Lower Upper

178 100

179 16.6 13.2 19.8

176 19.8 15.6 23.4

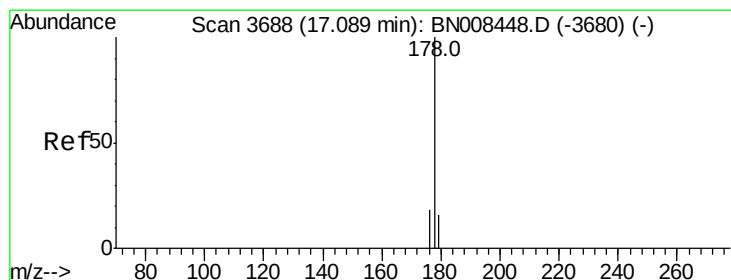
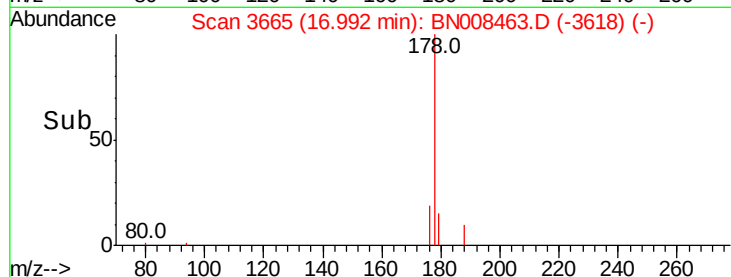
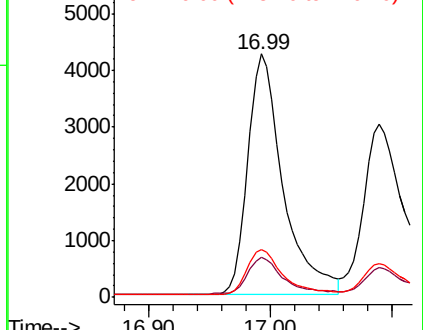


Abundance

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: 0.385 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

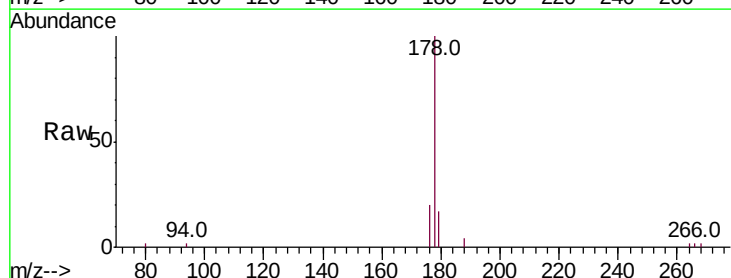
Tgt Ion:178 Resp: 7114

Ion Ratio Lower Upper

178 100

179 17.0 13.7 20.5

176 19.7 15.7 23.5

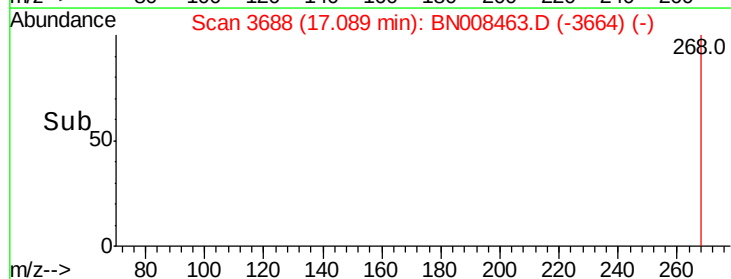
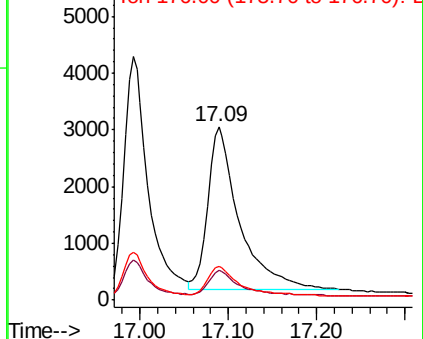


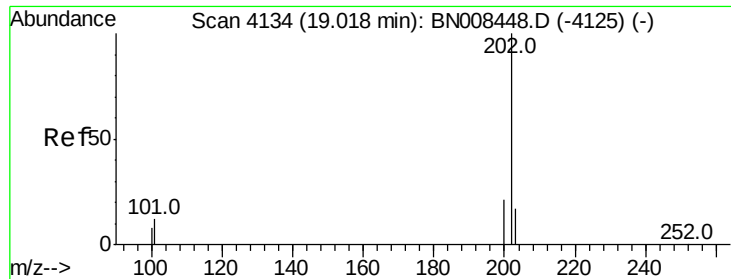
Abundance

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: 0.400 ng/ul

RT: 19.02 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

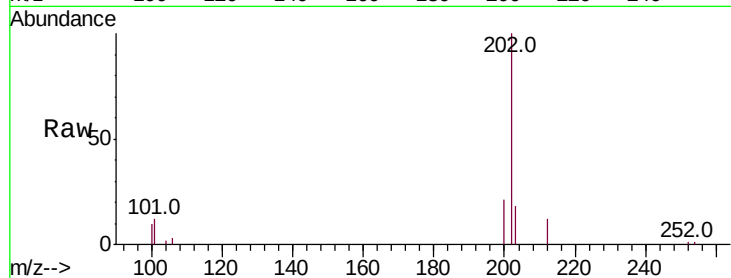
Tot Ion:202 Resp: 9675

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.0

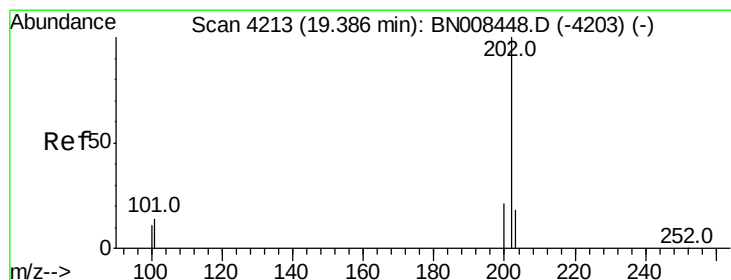
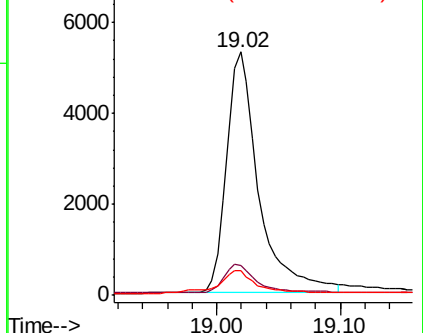
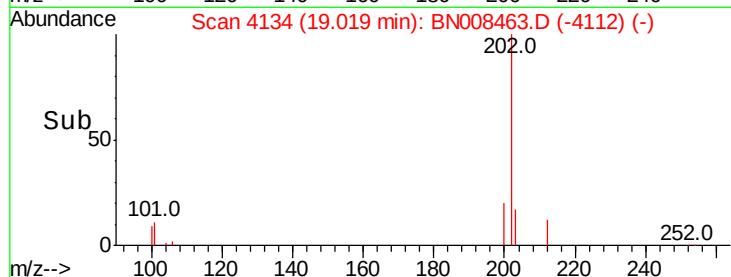
100 9.9 0.0 30.2



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: 0.418 ng/ul

RT: 19.38 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

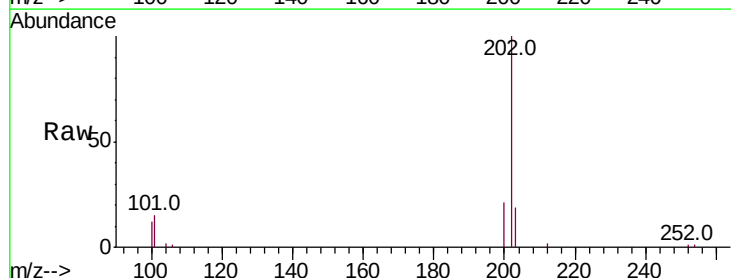
Tgt Ion:202 Resp: 10117

Ion Ratio Lower Upper

202 100

101 15.2 11.6 17.4

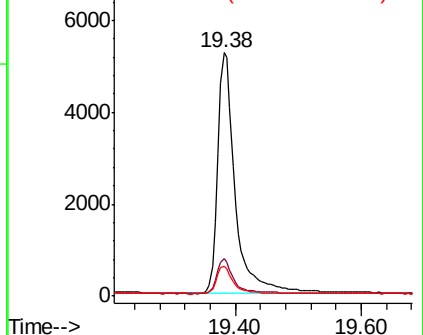
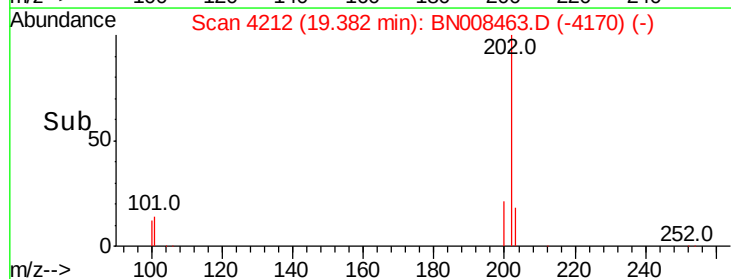
100 12.5 9.4 14.0

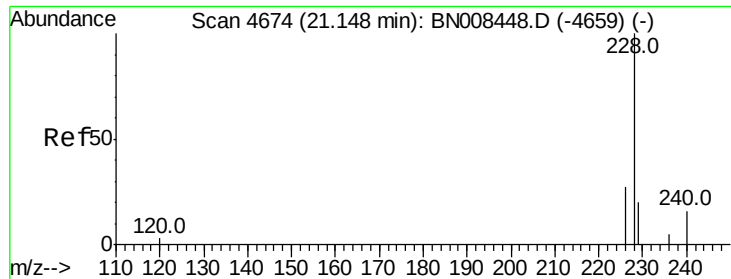


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.364 ng/ul

RT: 21.14 min Scan# 4672

Delta R.T. -0.01 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

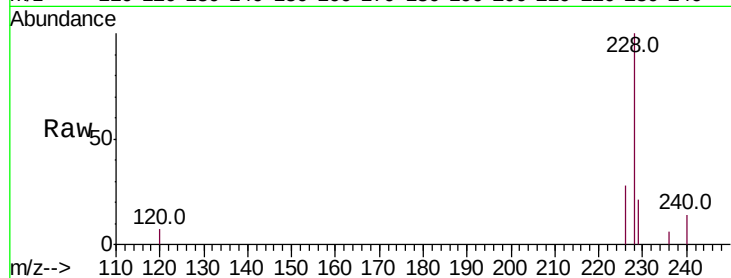
Tot Ion:228 Resp: 6291

Ion Ratio Lower Upper

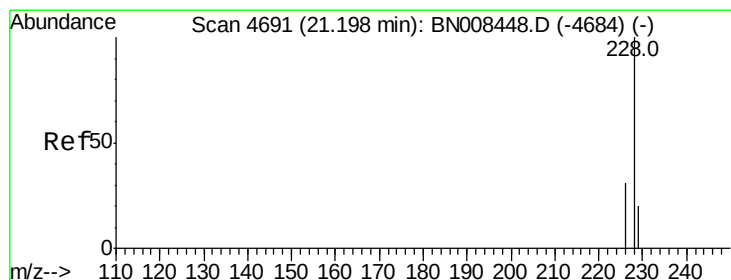
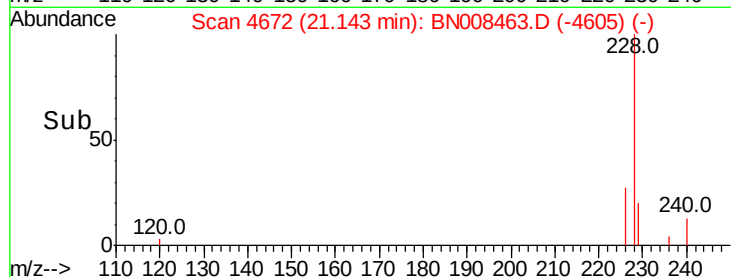
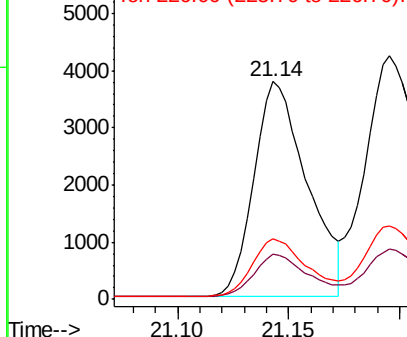
228 100

229 20.8 16.6 24.8

226 27.8 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: 0.420 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. -0.00 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

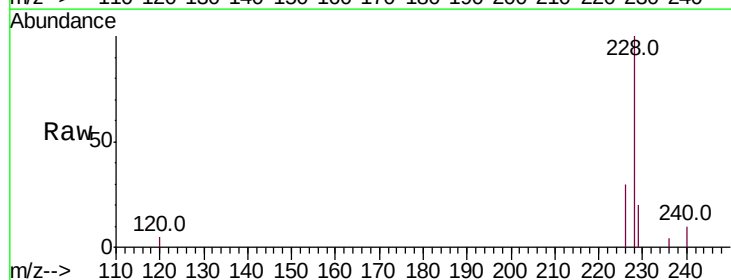
Tgt Ion:228 Resp: 9219

Ion Ratio Lower Upper

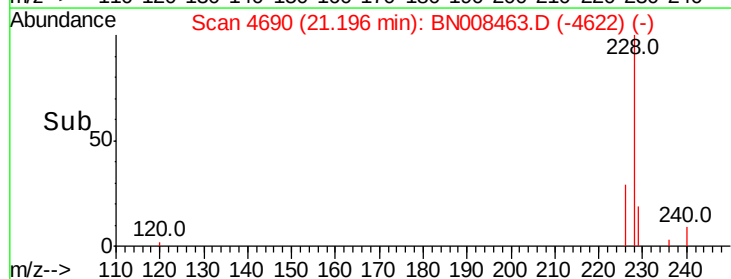
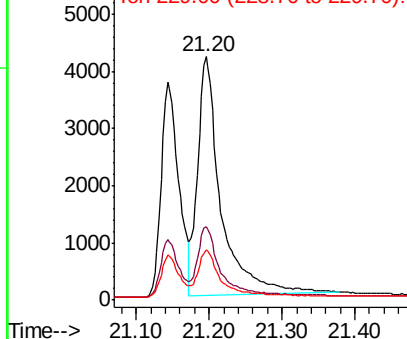
228 100

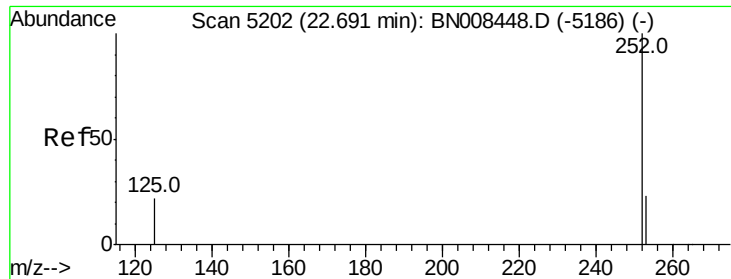
226 30.4 24.9 37.3

229 20.5 16.6 25.0



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: 0.402 ng/ul

RT: 22.68 min Scan# 5199

Delta R.T. -0.01 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

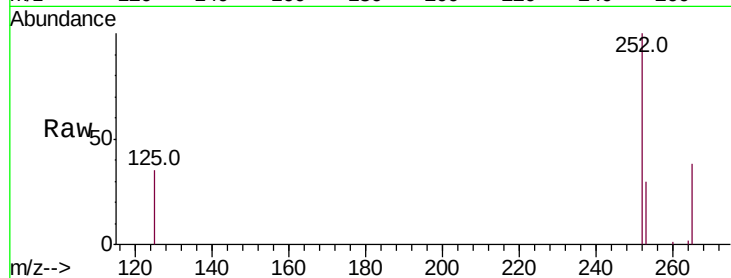
Tot Ion:252 Resp: 6665

Ion Ratio Lower Upper

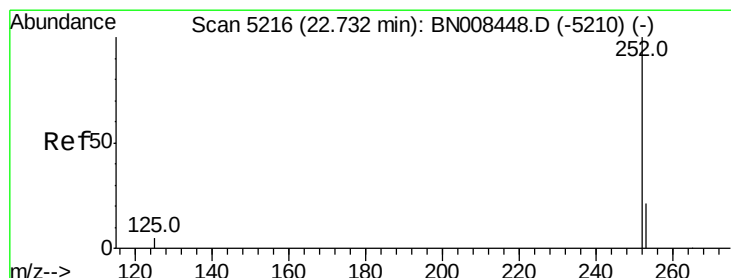
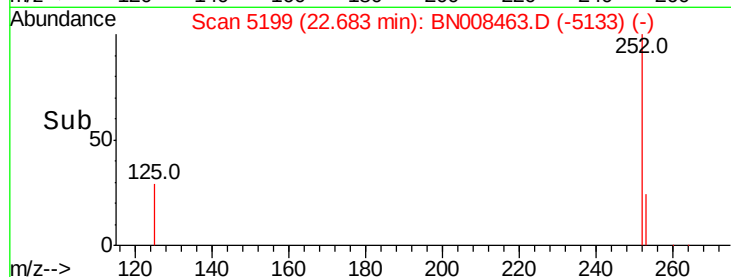
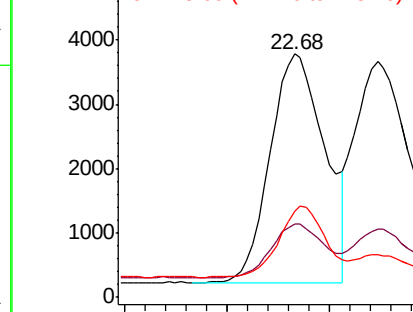
252 100

253 30.4 0.0 58.4

125 35.3 0.0 58.6



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: 0.405 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.01 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

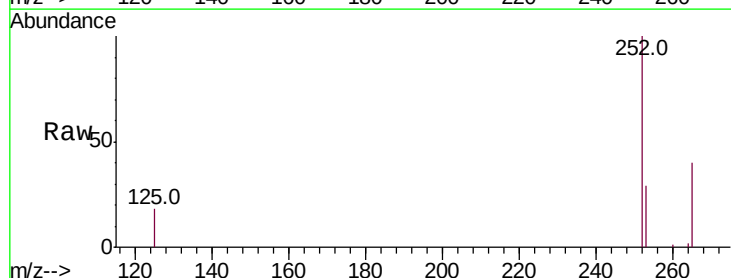
Tgt Ion:252 Resp: 7643

Ion Ratio Lower Upper

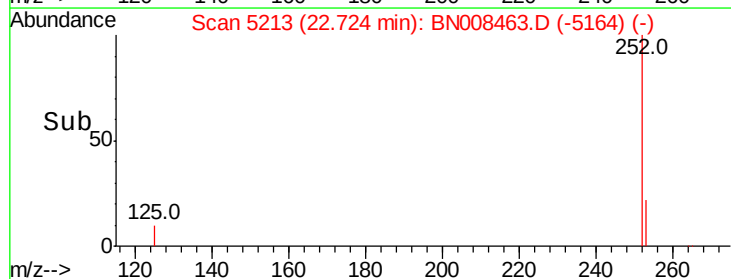
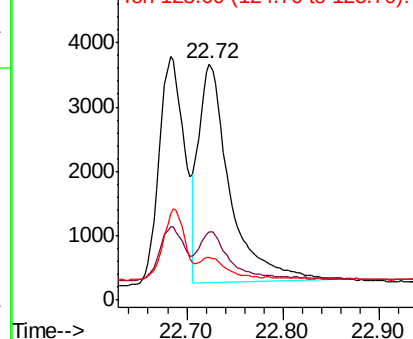
252 100

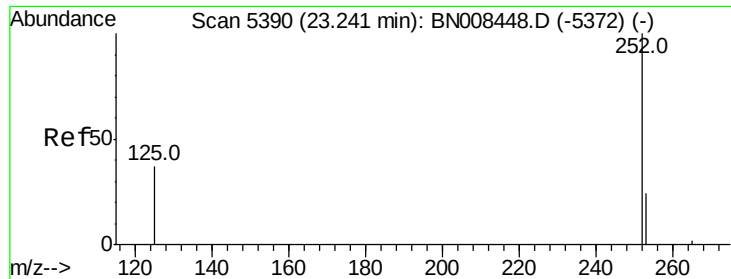
253 28.8 22.6 34.0

125 18.1 14.7 22.1



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: 0.401 ng/ul

RT: 23.24 min Scan# 5388

Delta R.T. -0.01 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

Instrument :

BNA_N

ClientSampleId :

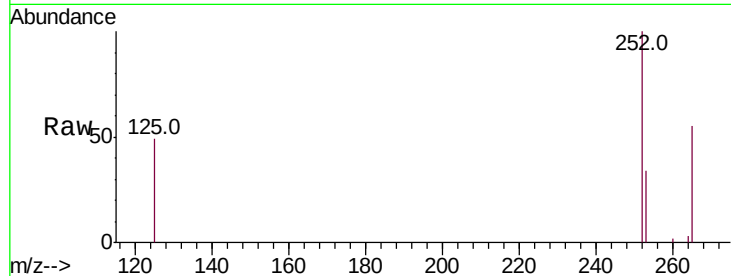
Tot Ion:252 Resp: 6696

Ion Ratio Lower Upper

252 100

253 34.3 27.2 40.8

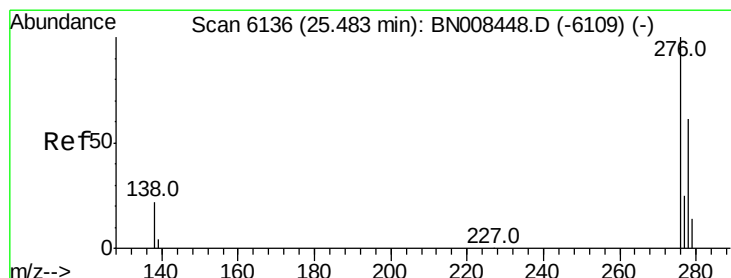
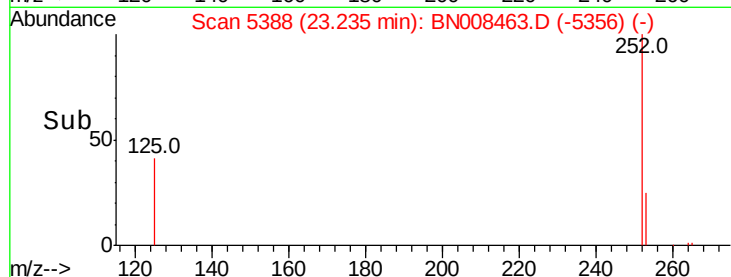
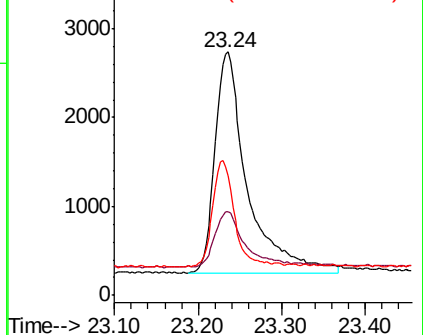
125 48.8 37.0 55.6



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: 0.398 ng/ul

RT: 25.47 min Scan# 6133

Delta R.T. -0.01 min

Lab File: BN008463.D

Acq: 06 Nov 2019 00:47

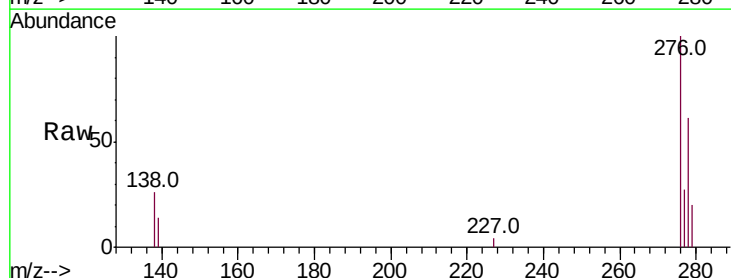
Tgt Ion:276 Resp: 7552

Ion Ratio Lower Upper

276 100

138 23.5 18.3 27.5

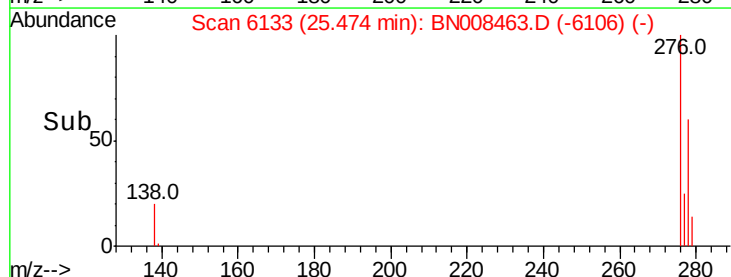
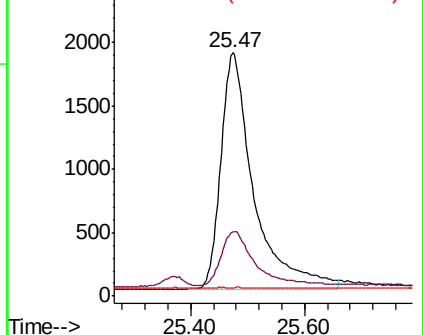
227 0.1 0.0 0.0#

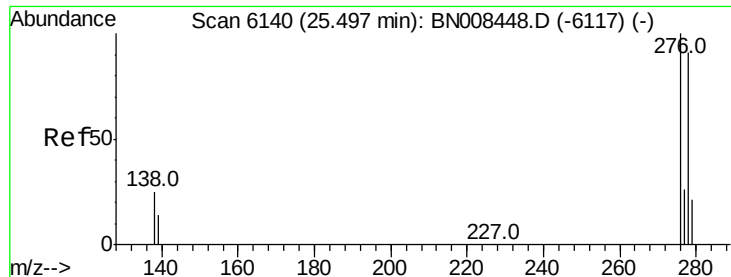


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



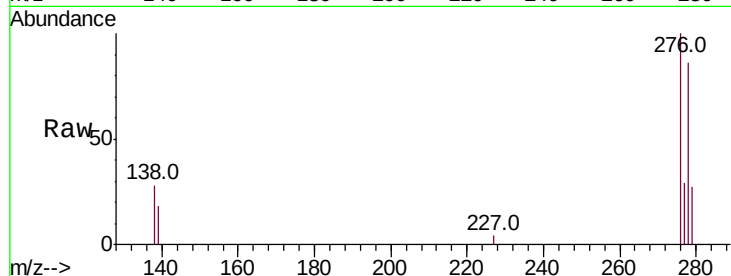


#25
Dibenzo(a,h)anthracene
Concen: 0.395 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.01 min
Lab File: BN008463.D
Acq: 06 Nov 2019 00:47

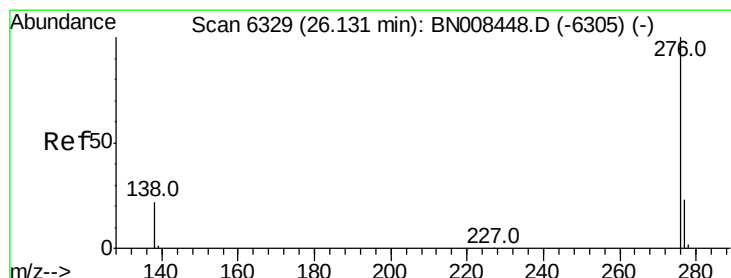
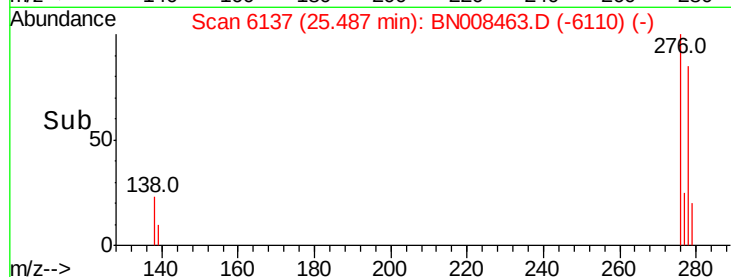
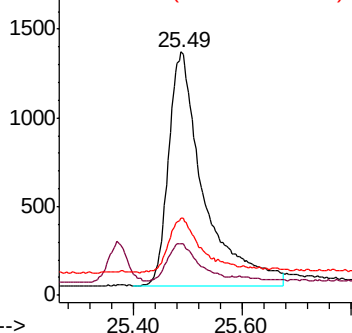
Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 5940

Ion	Ratio	Lower	Upper
278	100		
139	21.3	17.6	26.4
279	31.9	25.1	37.7



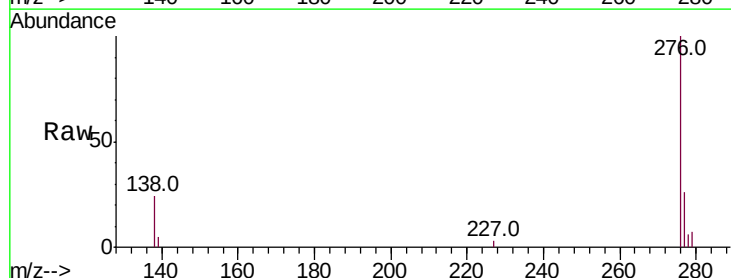
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.410 ng/ul
RT: 26.12 min Scan# 6327
Delta R.T. -0.01 min
Lab File: BN008463.D
Acq: 06 Nov 2019 00:47

Tgt Ion:276 Resp: 6971

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.1	30.1
277	26.3	20.6	31.0



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

