

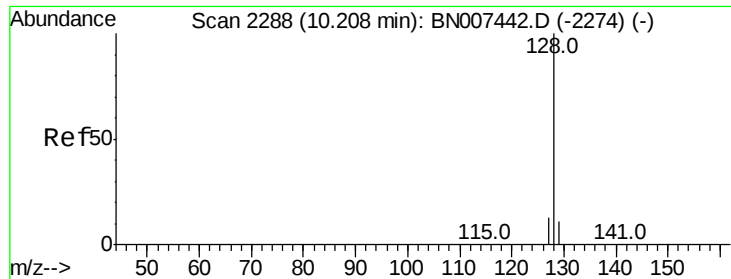
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007454.D
 Acq On : 28 Aug 2019 04:30
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 06:35:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 02:09:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3984	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	16623	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	8569	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	19070	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	19693	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	20516	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	10157	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	27335	0.44	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	18307	0.390	ng/ul	99
5) 2-Methylnaphthalene	11.84	142	12391	0.393	ng/ul	99
7) Acenaphthylene	13.76	152	18181	0.381	ng/ul	99
8) Acenaphthene	14.11	153	13329	0.389	ng/ul	98
9) Fluorene	15.11	166	14291	0.386	ng/ul	98
11) Pentachlorophenol	16.47	266	2057	0.479	ng/ul	98
12) Phenanthrene	16.84	178	23838	0.401	ng/ul	99
13) Anthracene	16.93	178	22941	0.409	ng/ul	99
15) Fluoranthene	18.87	202	34342	0.431	ng/ul	97
17) Pyrene	19.24	202	35867	0.372	ng/ul	98
18) Benzo(a)anthracene	21.00	228	34454	0.391	ng/ul	99
19) Chrysene	21.05	228	36135	0.382	ng/ul	99
21) Benzo(b)fluoranthene	22.50	252	34717	0.387	ng/ul	98
22) Benzo(k)fluoranthene	22.54	252	37516	0.400	ng/ul#	95
23) Benzo(a)pyrene	23.03	252	34688	0.388	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.18	276	39866	0.399	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.20	278	31432	0.397	ng/ul	100
26) Benzo(g,h,i)perylene	25.81	276	33419	0.391	ng/ul	100

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



#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampleId :

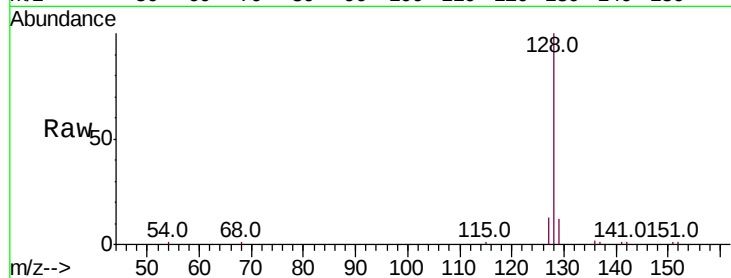
Tot Ion:128 Resp: 18307

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

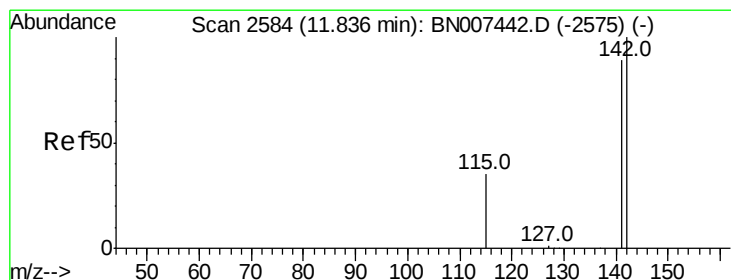
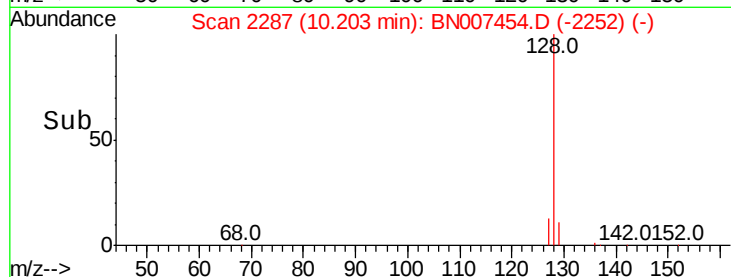
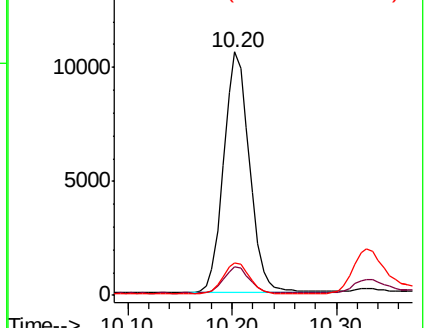
127 13.4 10.4 15.6



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: 0.393 ng/ul

RT: 11.84 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BN007454.D

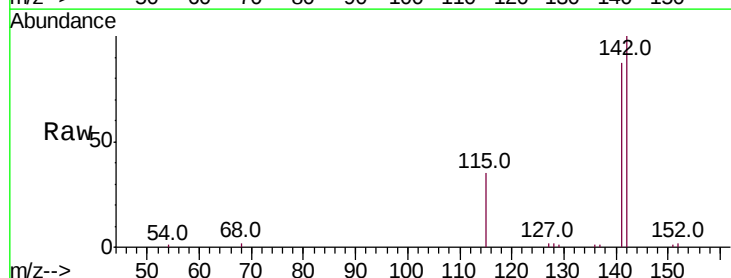
Acq: 28 Aug 2019 04:30

Tgt Ion:142 Resp: 12391

Ion Ratio Lower Upper

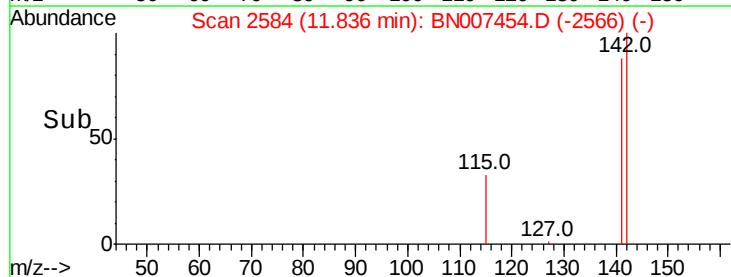
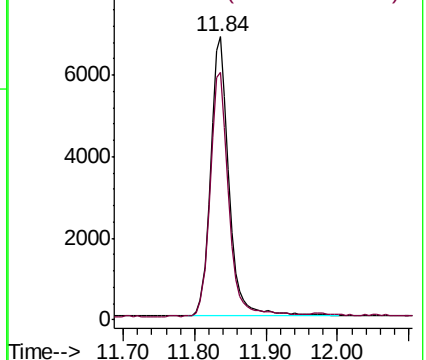
142 100

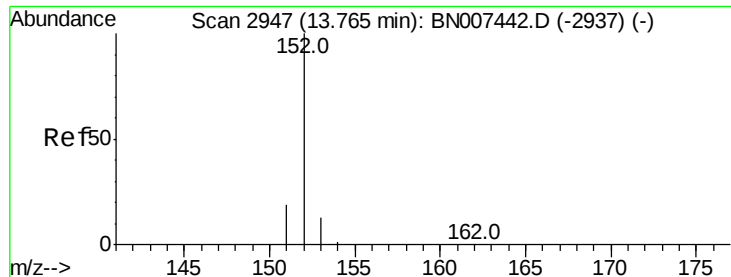
141 88.6 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.381 ng/ul

RT: 13.76 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampleId :

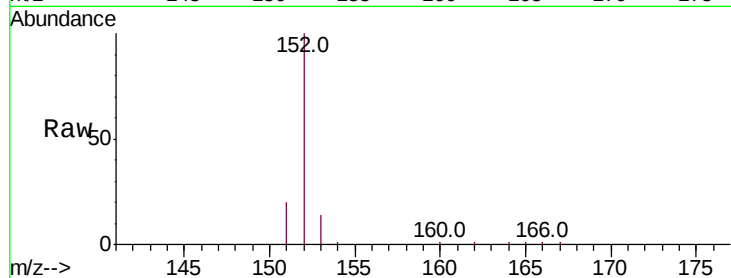
Tot Ion:152 Resp: 18181

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

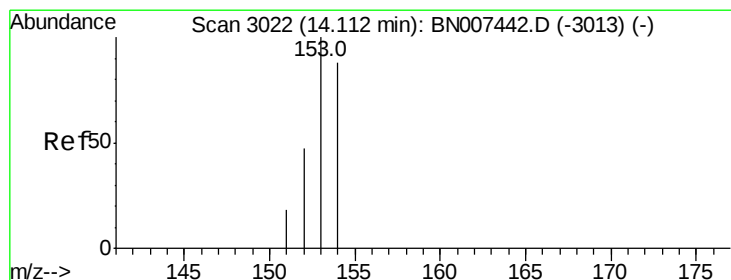
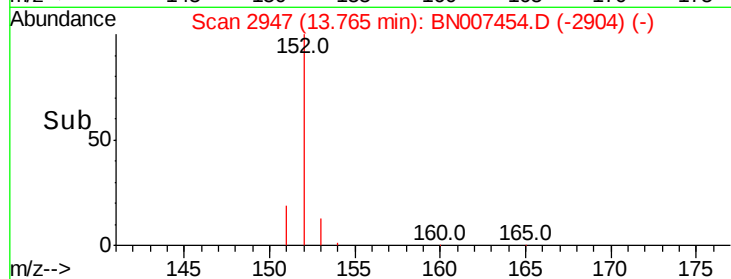
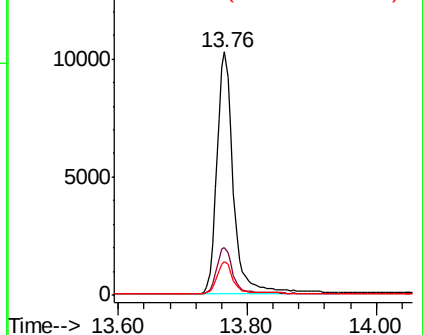
153 13.9 10.8 16.2



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: 0.389 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

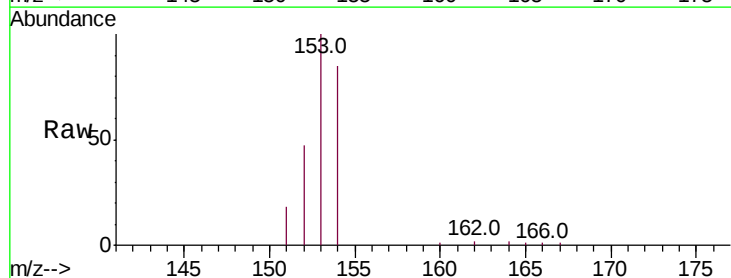
Tgt Ion:153 Resp: 13329

Ion Ratio Lower Upper

153 100

152 47.5 39.1 58.7

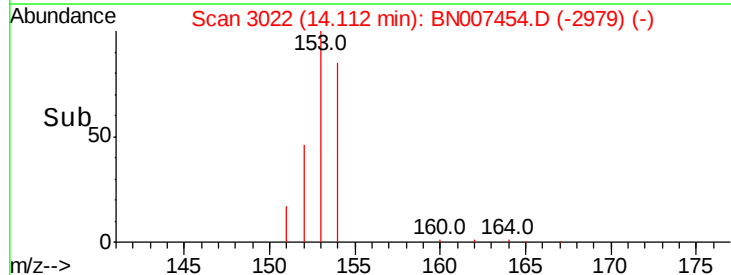
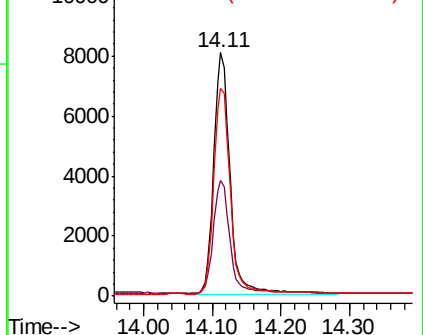
154 85.5 69.4 104.2

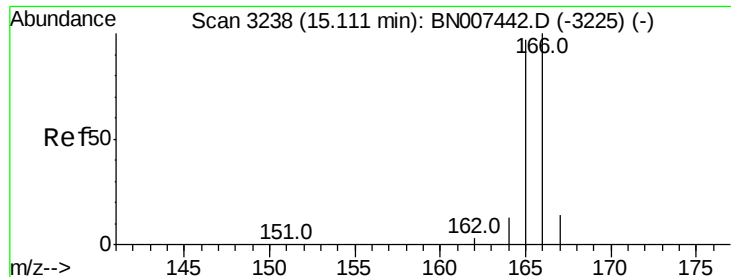


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.386 ng/ul

RT: 15.11 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampled :

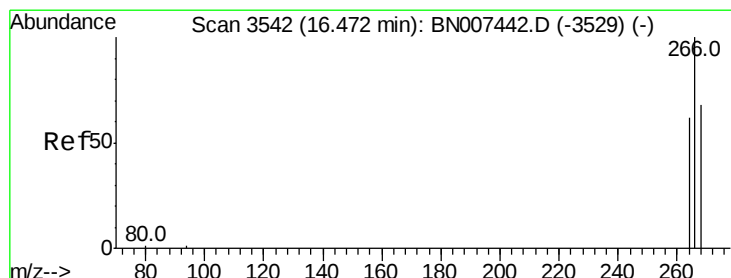
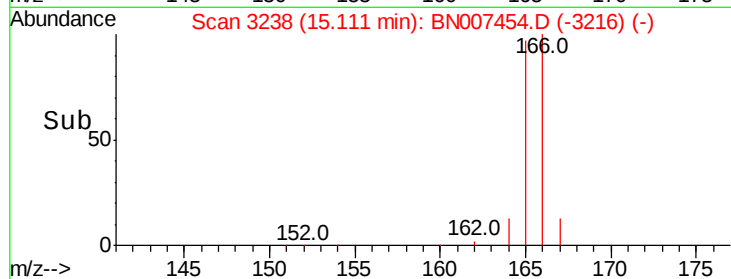
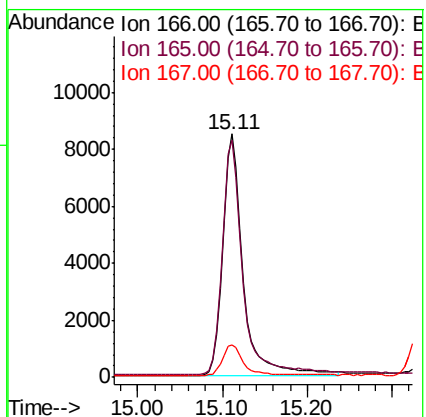
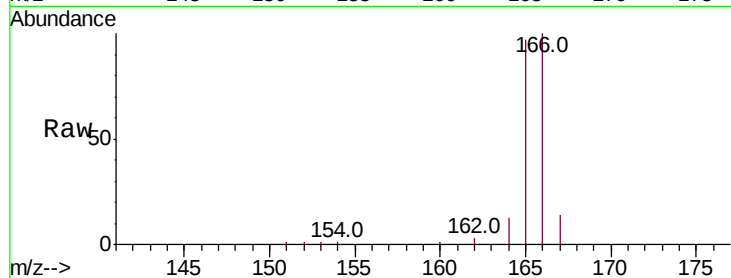
Tot Ion:166 Resp: 14291

Ion Ratio Lower Upper

166 100

165 97.3 79.6 119.4

167 13.5 11.7 17.5



#11

Pentachlorophenol

Concen: 0.479 ng/ul

RT: 16.47 min Scan# 3541

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

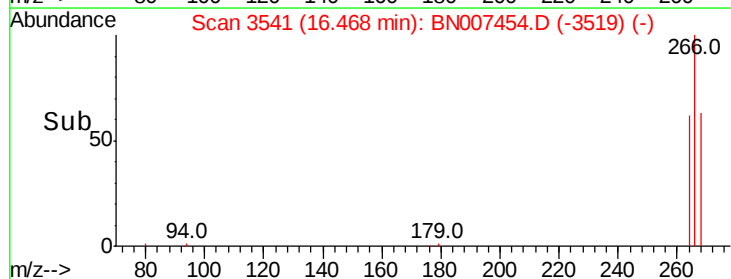
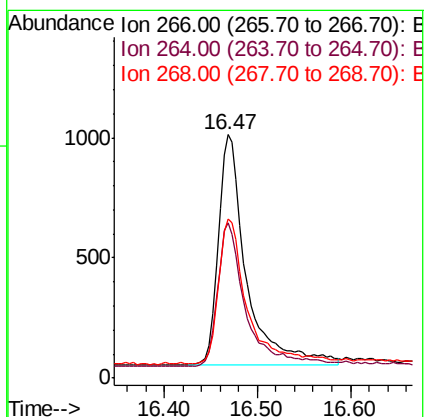
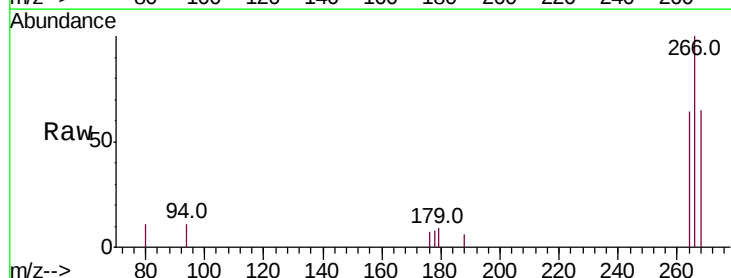
Tgt Ion:266 Resp: 2057

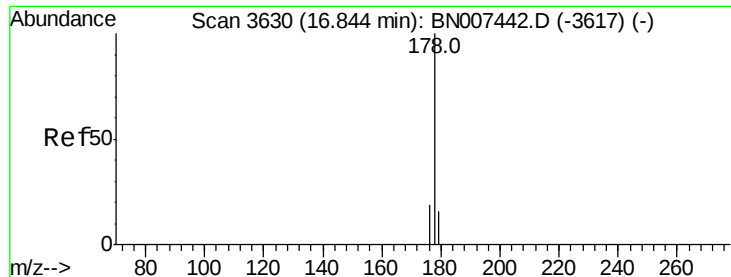
Ion Ratio Lower Upper

266 100

264 63.0 49.0 73.6

268 63.5 50.2 75.2





#12

Phenanthrene

Concen: 0.401 ng/ul

RT: 16.84 min Scan# 3630

Delta R.T. 0.00 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampleId :

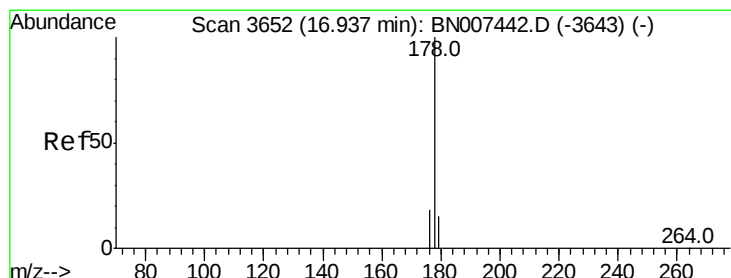
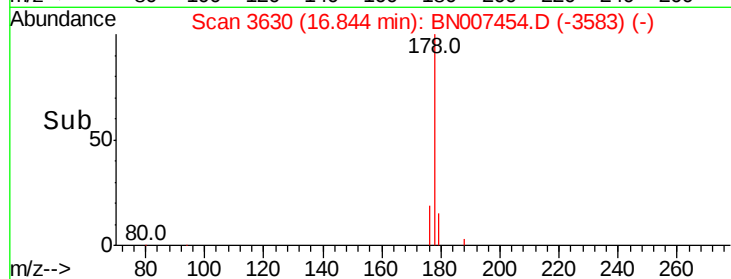
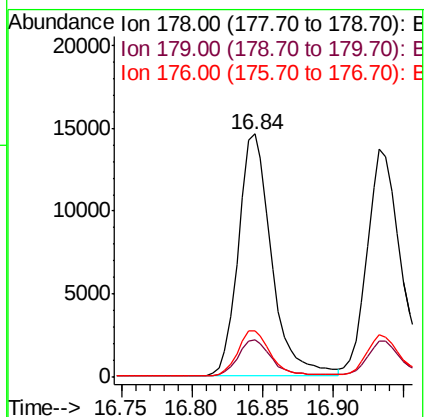
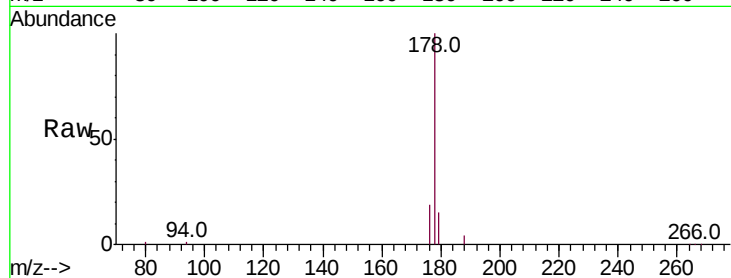
Tot Ion:178 Resp: 23838

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 19.3 15.2 22.8



#13

Anthracene

Concen: 0.409 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

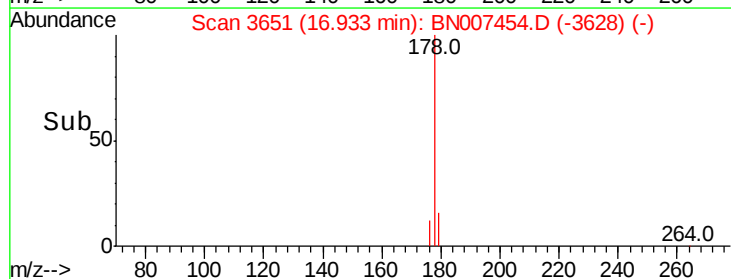
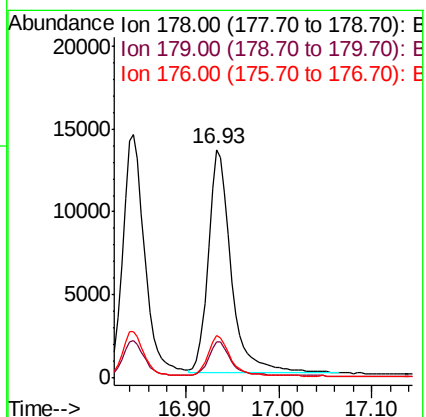
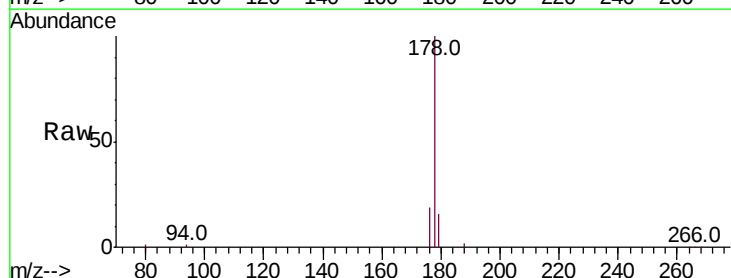
Tgt Ion:178 Resp: 22941

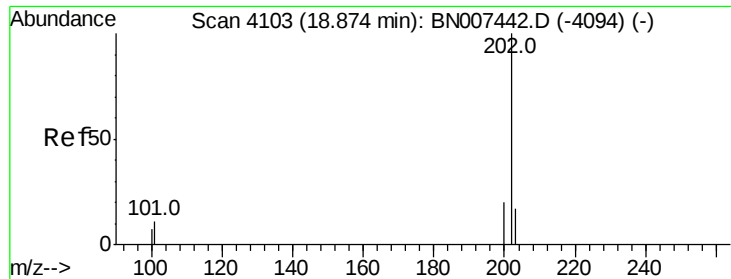
Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 18.6 14.6 21.8

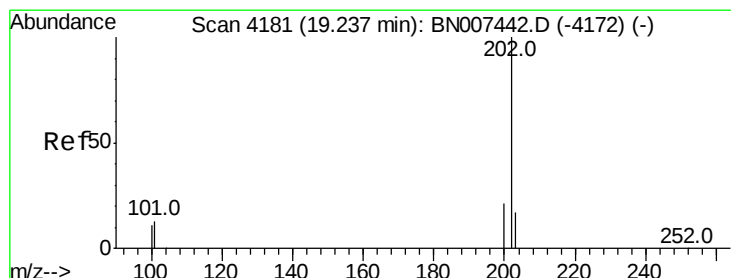
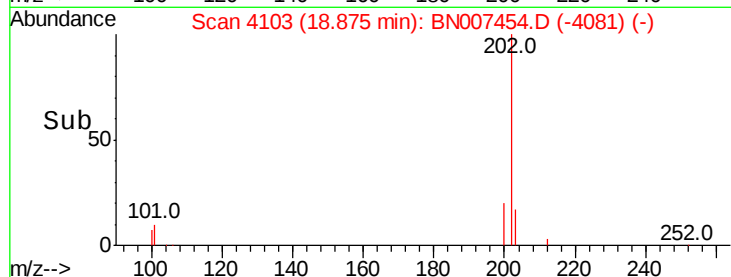
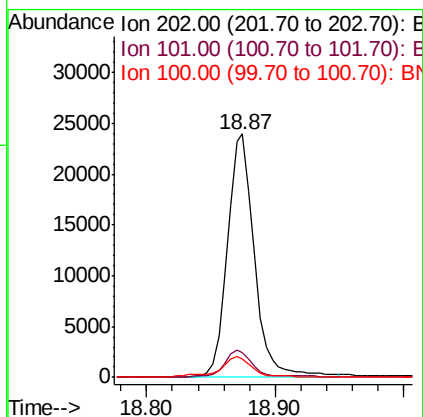
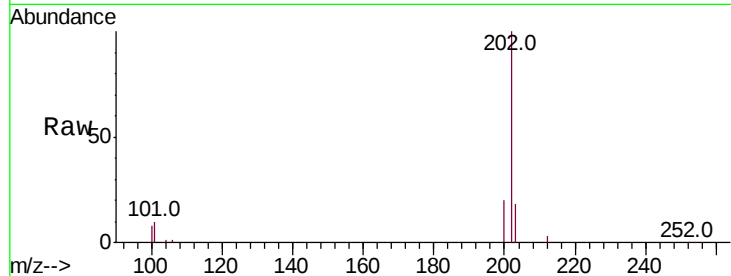




#15
Fluoranthene
Concen: 0.431 ng/ul
RT: 18.87 min Scan# 4103
Delta R.T. 0.00 min
Lab File: BN007454.D
Acq: 28 Aug 2019 04:30

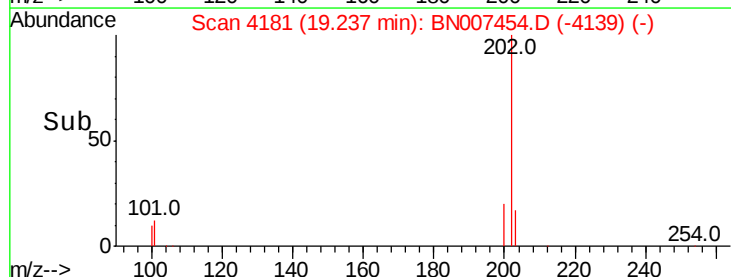
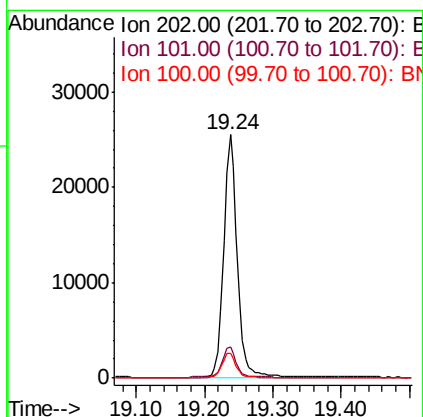
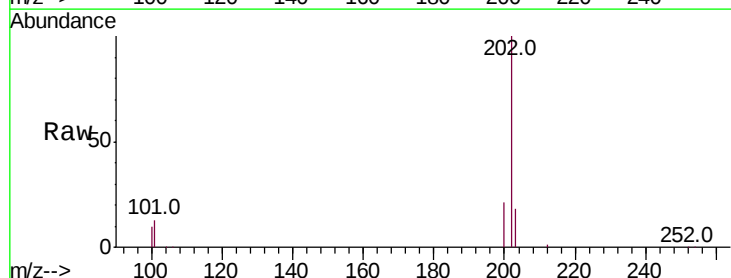
Instrument :
BNA_N
ClientSampleId :

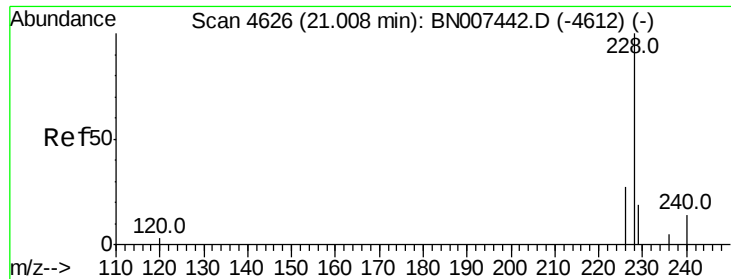
Tot Ion:202 Resp: 34342
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
100 7.6 0.0 28.5



#17
Pyrene
Concen: 0.372 ng/ul
RT: 19.24 min Scan# 4181
Delta R.T. -0.00 min
Lab File: BN007454.D
Acq: 28 Aug 2019 04:30

Tgt Ion:202 Resp: 35867
Ion Ratio Lower Upper
202 100
101 12.7 10.7 16.1
100 10.3 8.6 12.8





#18

Benzo(a)anthracene

Concen: 0.391 ng/ul

RT: 21.00 min Scan# 4624

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampleId :

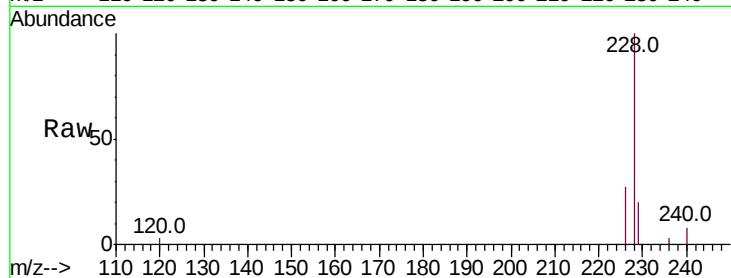
Tot Ion:228 Resp: 34454

Ion Ratio Lower Upper

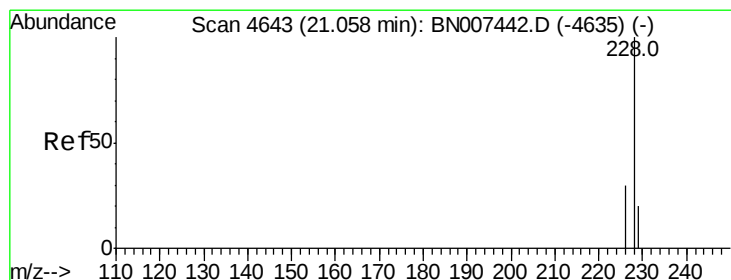
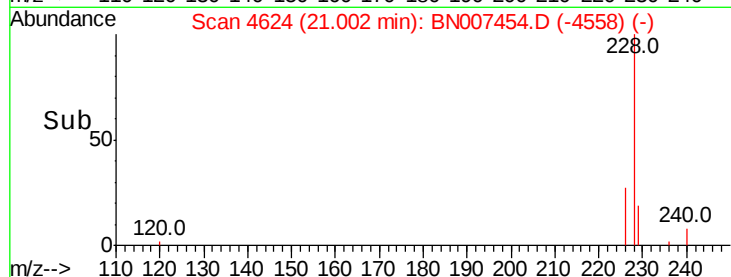
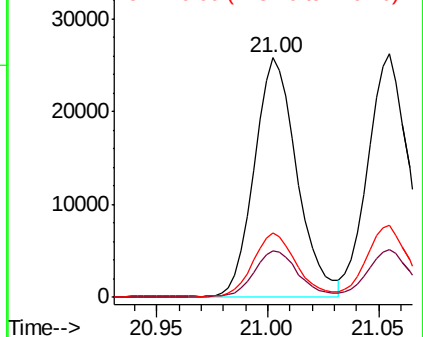
228 100

229 19.5 15.4 23.2

226 26.9 22.0 33.0



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: 0.382 ng/ul

RT: 21.05 min Scan# 4642

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

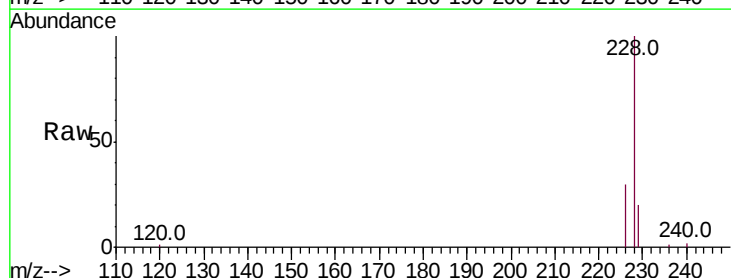
Tgt Ion:228 Resp: 36135

Ion Ratio Lower Upper

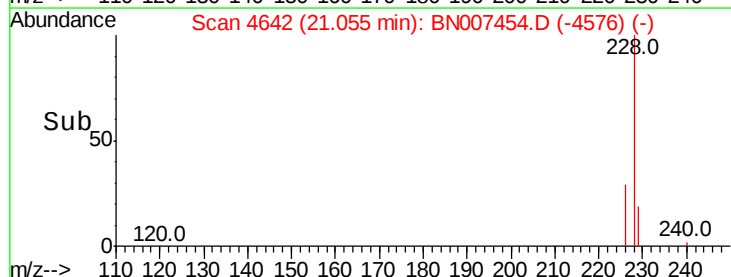
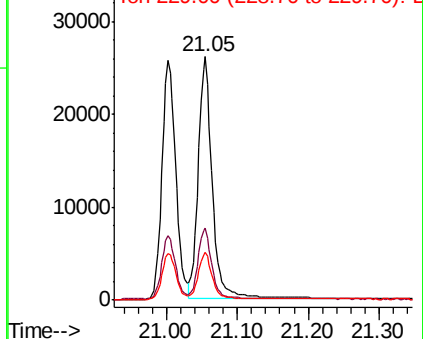
228 100

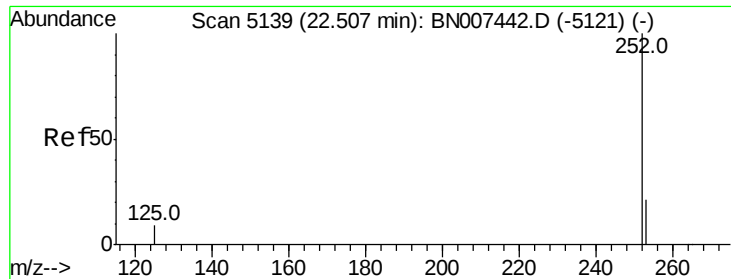
226 29.5 24.1 36.1

229 19.7 16.1 24.1



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: 0.387 ng/ul

RT: 22.50 min Scan# 5137

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampleId :

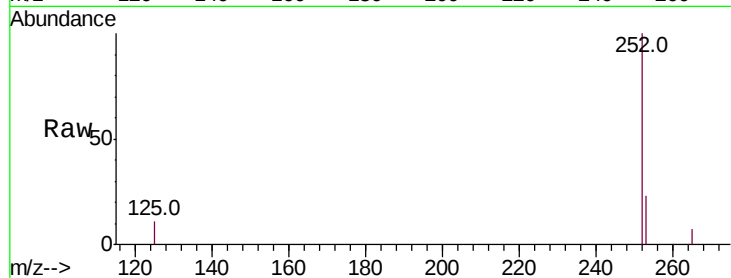
Tot Ion:252 Resp: 34717

Ion Ratio Lower Upper

252 100

253 23.1 0.0 47.0

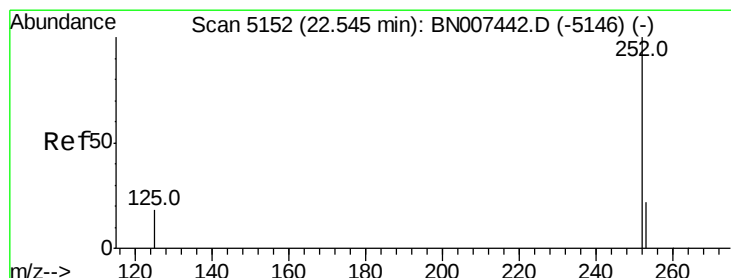
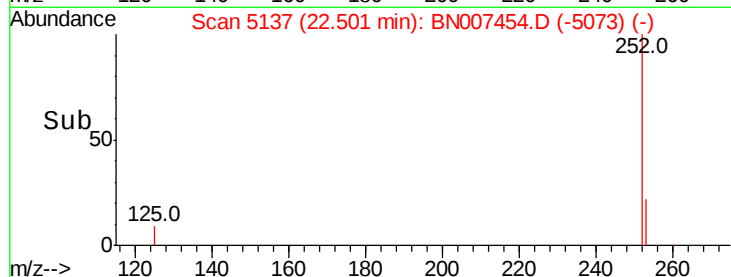
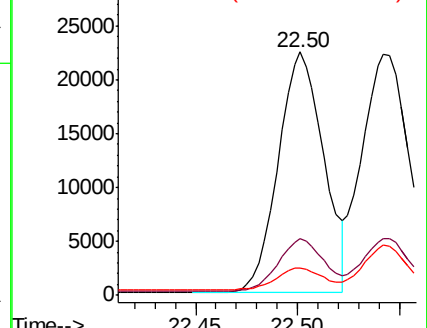
125 11.2 0.0 24.8



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: 0.400 ng/ul

RT: 22.54 min Scan# 5151

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

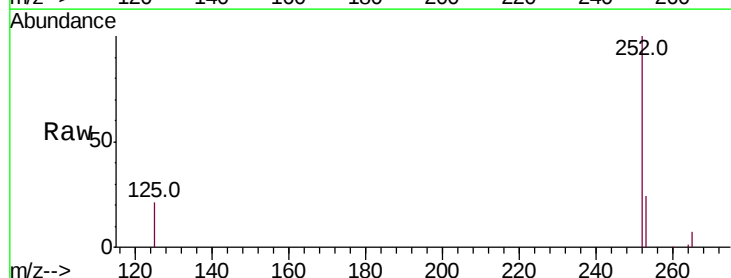
Tgt Ion:252 Resp: 37516

Ion Ratio Lower Upper

252 100

253 23.6 18.7 28.1

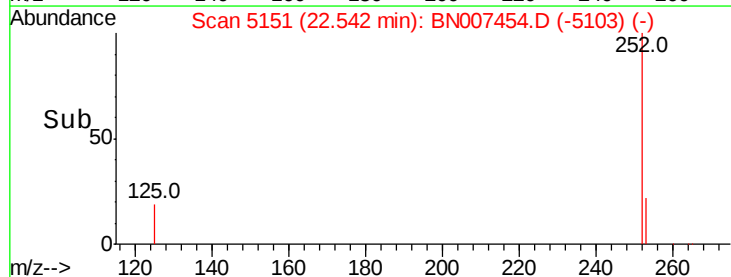
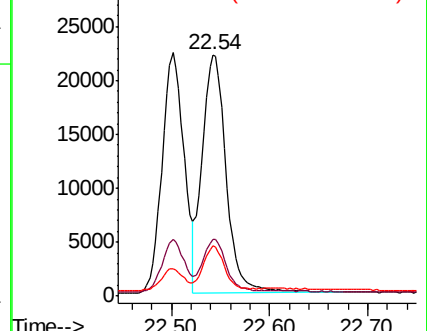
125 20.7 12.4 18.6#

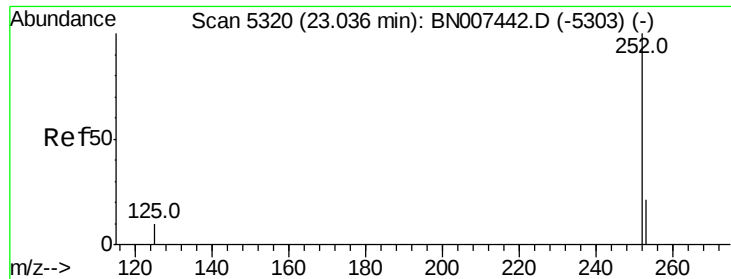


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.388 ng/u1

RT: 23.03 min Scan# 5318

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

Instrument :

BNA_N

ClientSampleId :

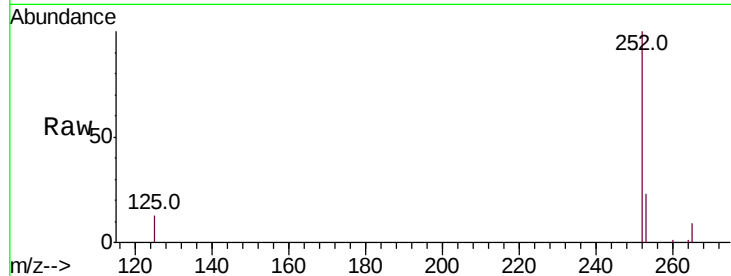
Tot Ion:252 Resp: 34688

Ion Ratio Lower Upper

252 100

253 23.4 19.0 28.6

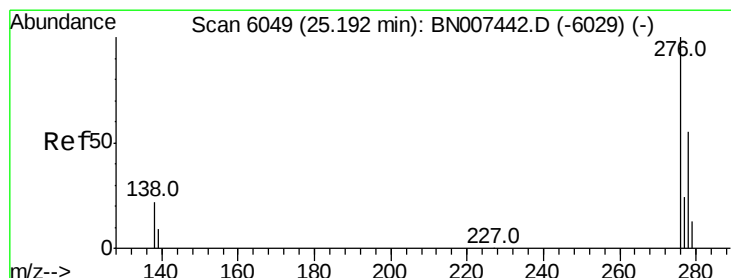
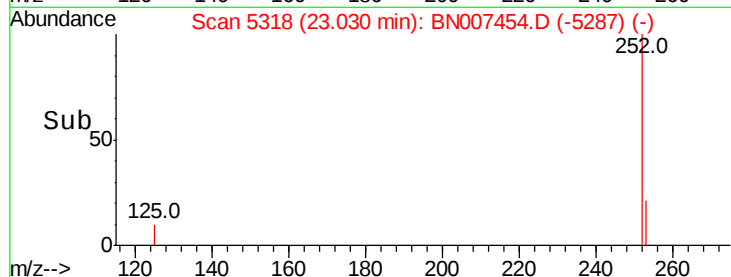
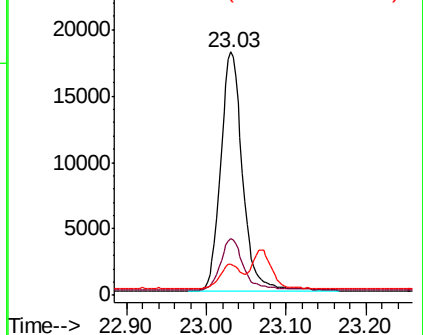
125 12.6 11.2 16.8



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: 0.399 ng/u1

RT: 25.18 min Scan# 6046

Delta R.T. -0.01 min

Lab File: BN007454.D

Acq: 28 Aug 2019 04:30

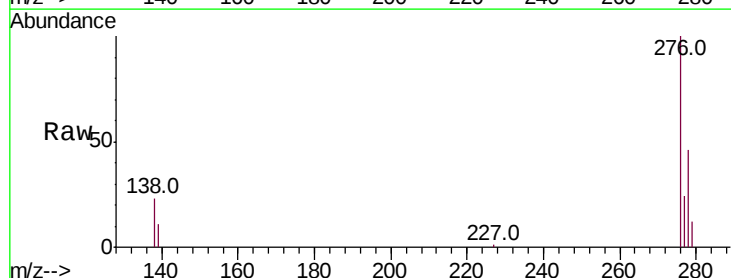
Tgt Ion:276 Resp: 39866

Ion Ratio Lower Upper

276 100

138 24.6 19.7 29.5

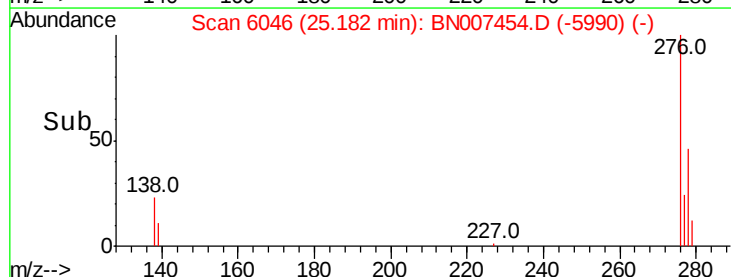
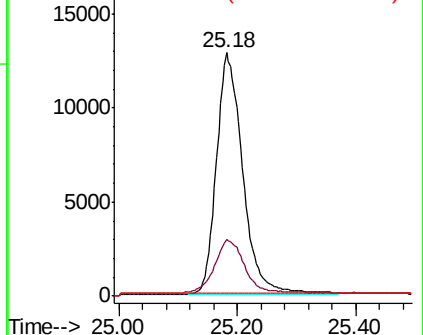
227 8.6 0.1 0.1#

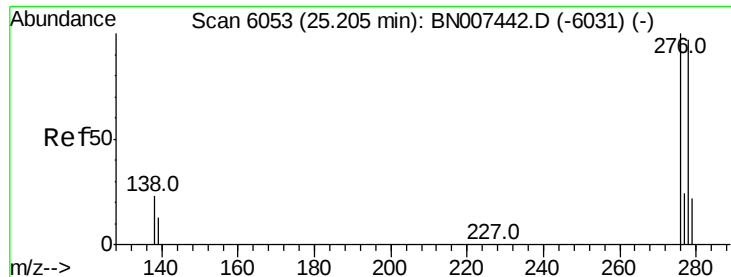


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

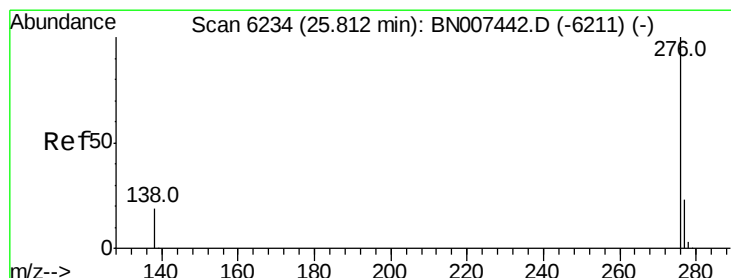
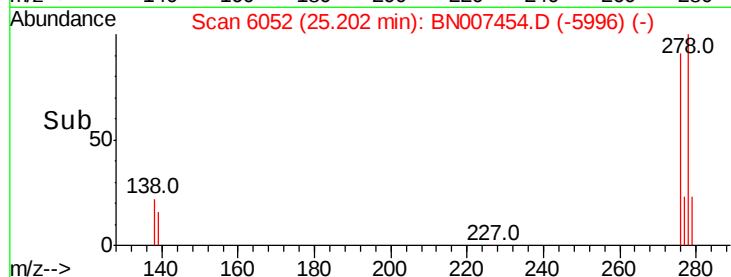
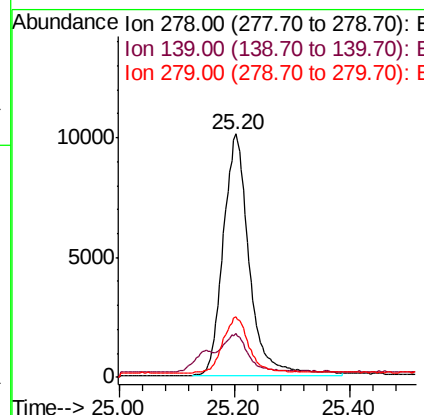
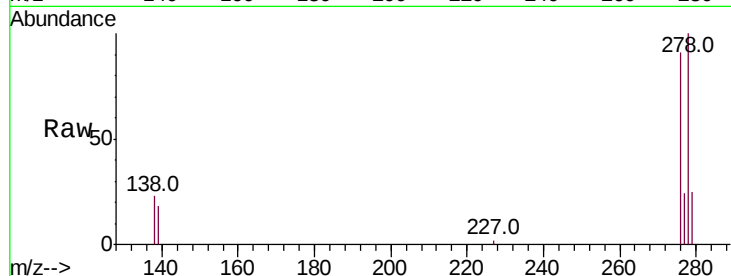




#25
Dibenzo(a,h)anthracene
Concen: 0.397 ng/ul
RT: 25.20 min Scan# 6052
Delta R.T. -0.01 min
Lab File: BN007454.D
Acq: 28 Aug 2019 04:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 31432
Ion Ratio Lower Upper
278 100
139 17.8 14.6 21.8
279 24.8 19.8 29.8



#26
Benzo(g,h,i)perylene
Concen: 0.391 ng/ul
RT: 25.81 min Scan# 6233
Delta R.T. -0.01 min
Lab File: BN007454.D
Acq: 28 Aug 2019 04:30

Tgt Ion:276 Resp: 33419
Ion Ratio Lower Upper
276 100
138 21.5 17.1 25.7
277 24.3 19.4 29.0

