

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008354.D
 Acq On : 23 Oct 2019 17:56
 Operator : JU
 Sample : K5223-04DL 2X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 01:38:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1678	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	8056	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5287	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	11673	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	10730	0.40	ng/ul	-0.01
20) Perylene-d12	23.34	264	8890	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	1123	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	3888	0.10	ng/ul	-0.01

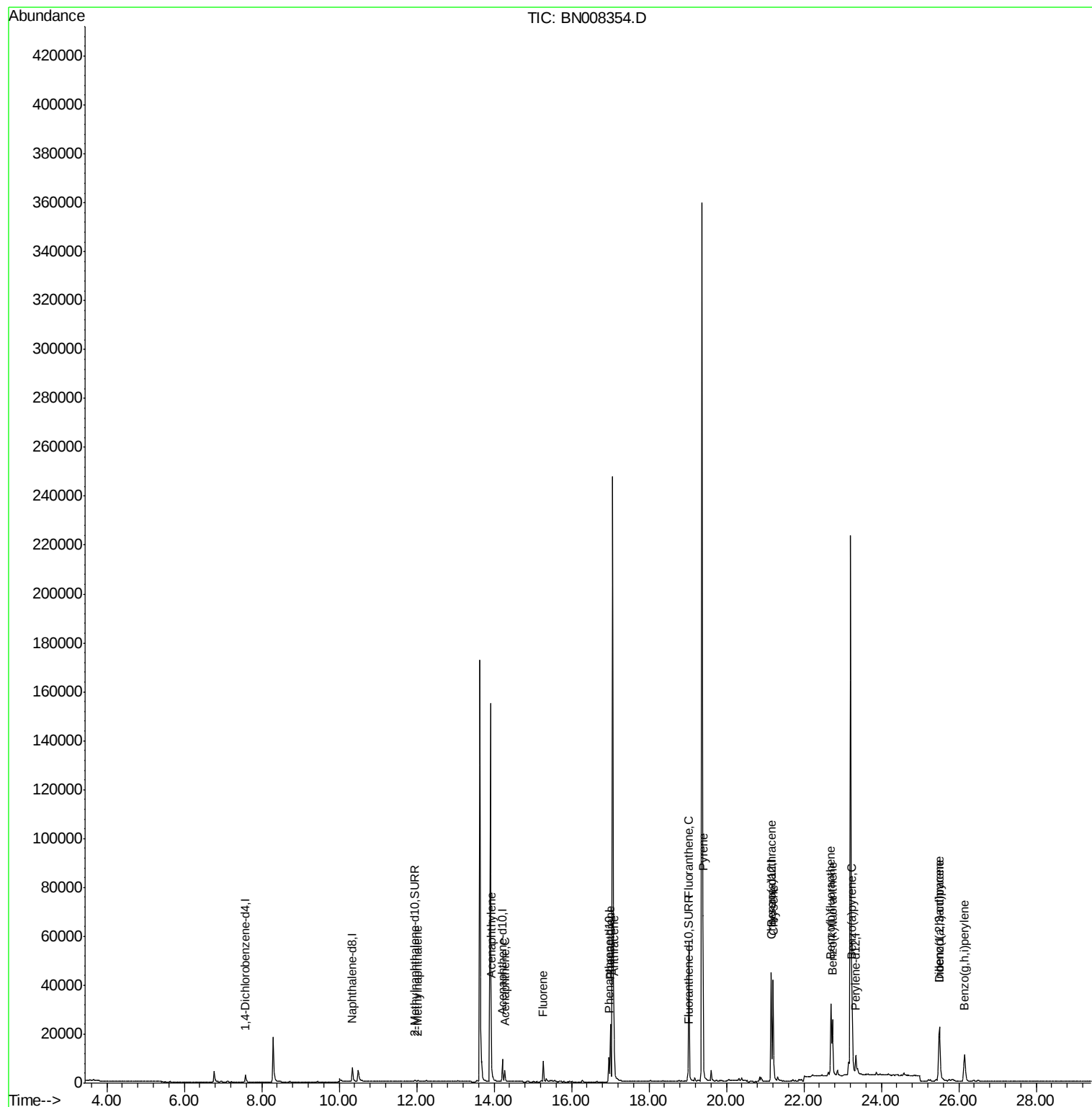
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) 2-Methylnaphthalene	12.03	142	417	0.027	ng/ul	99
7) Acenaphthylene	13.93	152	2625	0.104	ng/ul#	94
8) Acenaphthene	14.28	153	2752	0.141	ng/ul	98
9) Fluorene	15.27	166	5492	0.247	ng/ul	97
12) Phenanthrene	17.00	178	25119	0.735	ng/ul	99
13) Anthracene	17.10	178	17057	0.567	ng/ul	99
15) Fluoranthene	19.03	202	52040	1.153	ng/ul	99
17) Pyrene	19.40	202	52067	1.219	ng/ul	99
18) Benzo(a)anthracene	21.15	228	38703	0.992	ng/ul	99
19) Chrysene	21.21	228	40615	0.848	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	38678	1.336	ng/ul	93
22) Benzo(k)fluoranthene	22.74	252	28971	0.884	ng/ul	95
23) Benzo(a)pyrene	23.25	252	31561	1.036	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.49	276	27911	0.778	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.50	278	19156	0.676	ng/ul	97
26) Benzo(a,h,i)perylene	26.15	276	23054	0.701	ng/ul	98

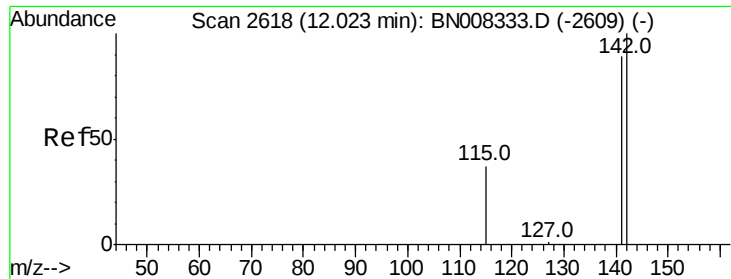
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.027 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

Instrument :

BNA_N

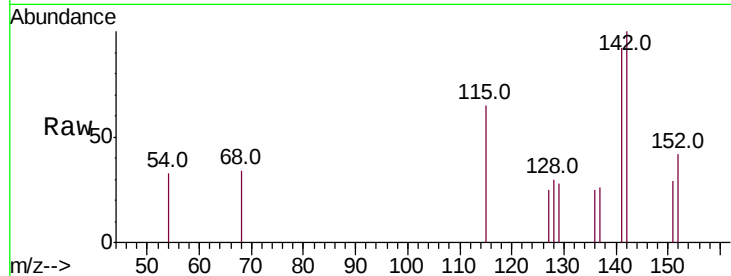
ClientSampleId :

Tot Ion:142 Resp: 417

Ion Ratio Lower Upper

142 100

141 90.2 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

200

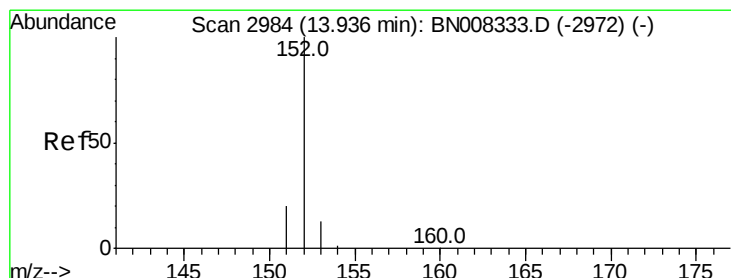
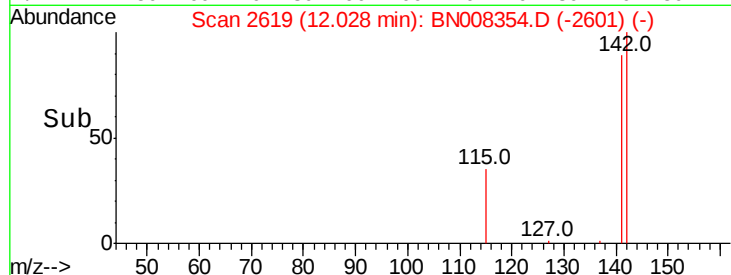
150

100

50

0

Time-->



#7

Acenaphthylene

Concen: 0.104 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

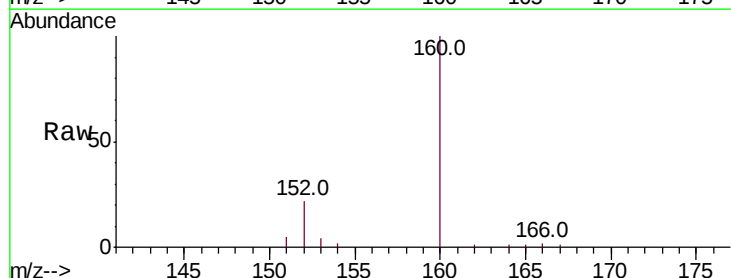
Tgt Ion:152 Resp: 2625

Ion Ratio Lower Upper

152 100

151 22.7 16.2 24.4

153 17.0 11.0 16.4#



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

13.93

2000

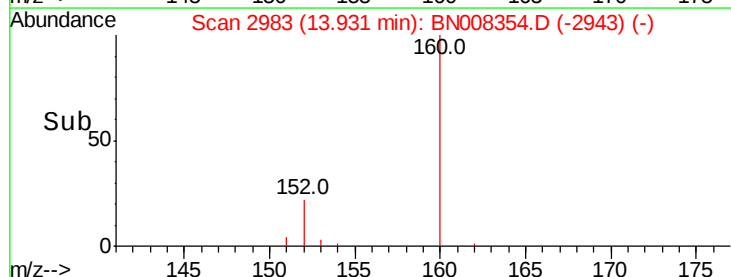
1500

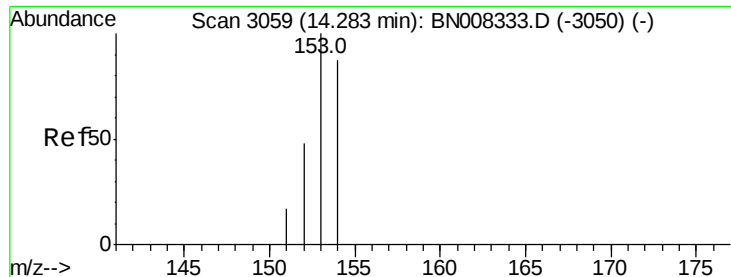
1000

500

0

Time-->





#8

Acenaphthene

Concen: 0.141 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

Instrument :

BNA_N

ClientSampleId :

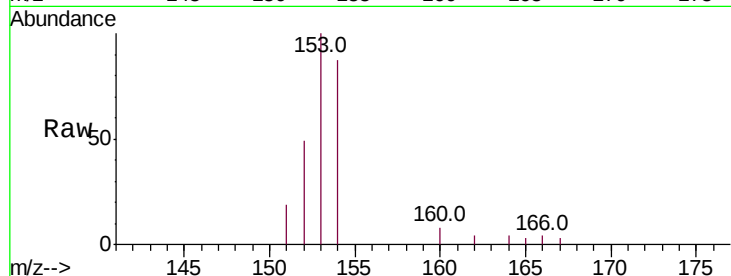
Tot Ion:153 Resp: 2752

Ion Ratio Lower Upper

153 100

152 48.7 38.2 57.2

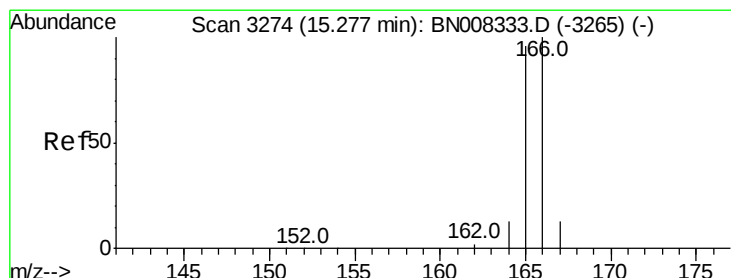
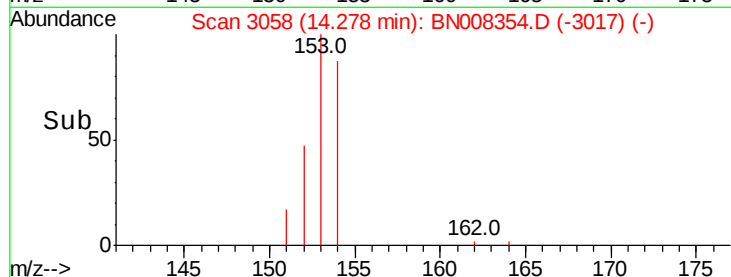
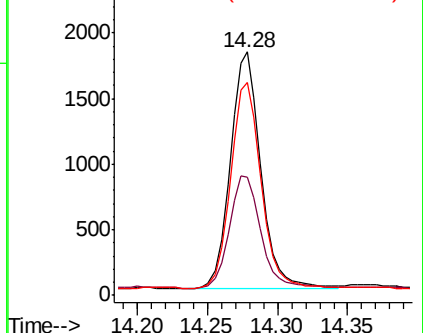
154 87.3 71.8 107.8



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: 0.247 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

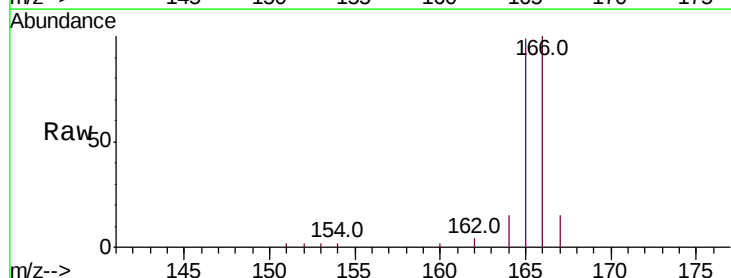
Tgt Ion:166 Resp: 5492

Ion Ratio Lower Upper

166 100

165 98.8 76.6 115.0

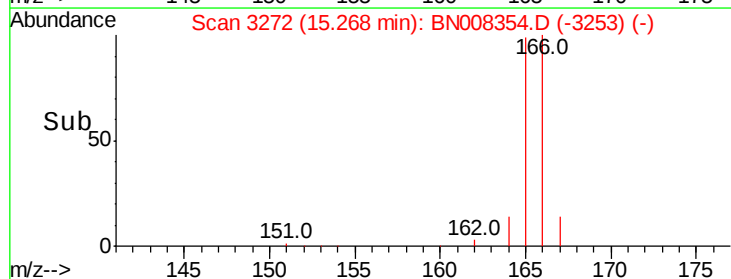
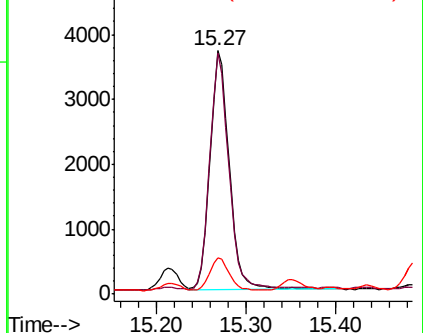
167 14.8 11.7 17.5

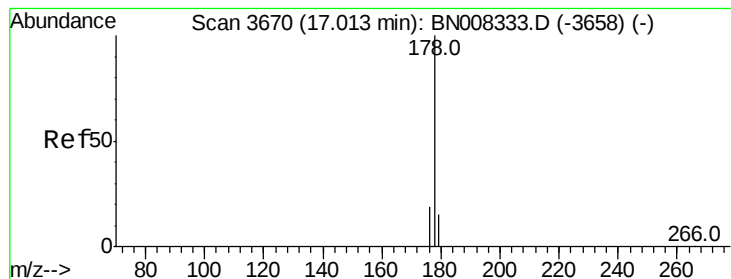


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.735 ng/ul

RT: 17.00 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

Instrument :

BNA_N

ClientSampleId :

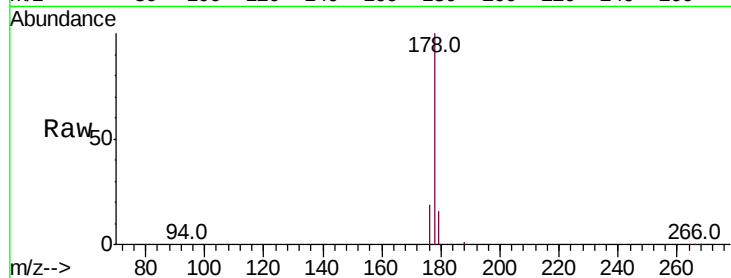
Tot Ion:178 Resp: 25119

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

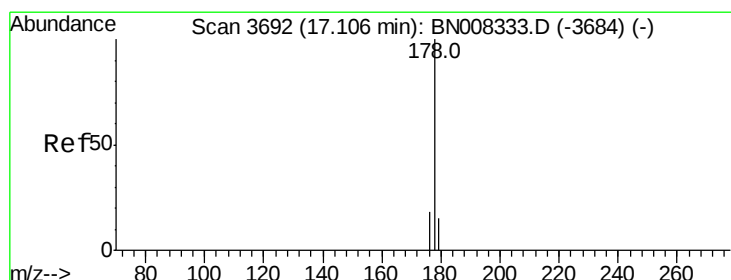
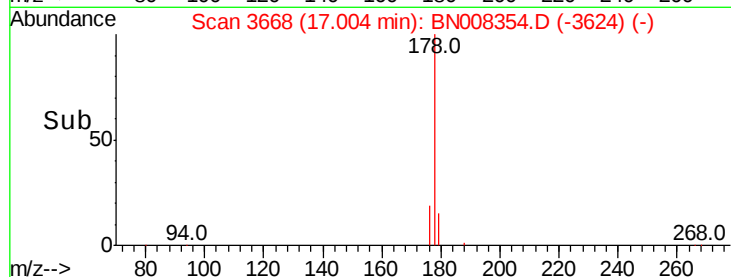
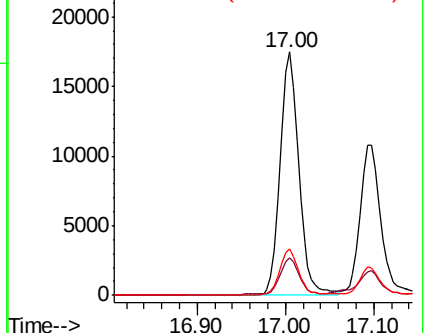
176 19.1 15.4 23.2



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: 0.567 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

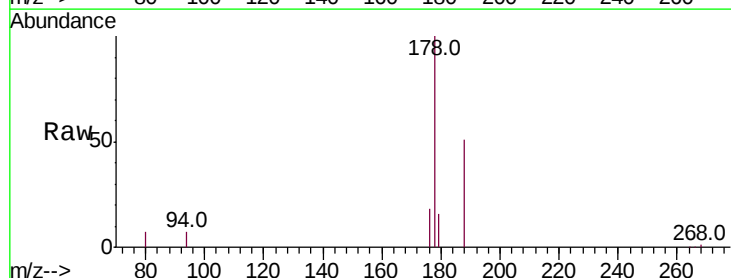
Tgt Ion:178 Resp: 17057

Ion Ratio Lower Upper

178 100

179 16.2 13.0 19.6

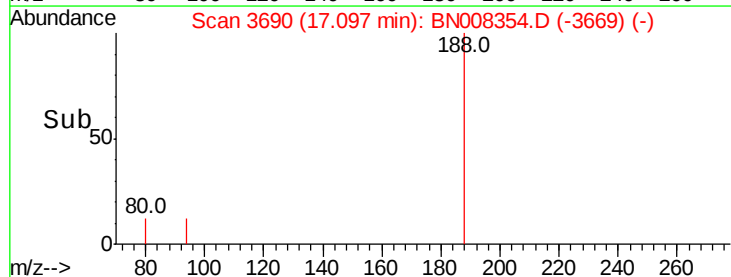
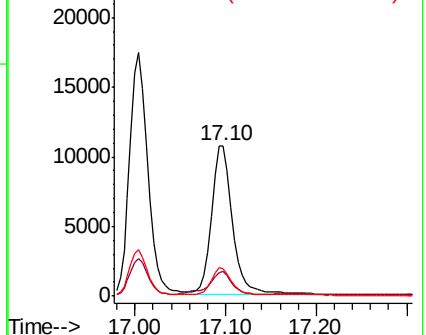
176 18.3 15.0 22.6

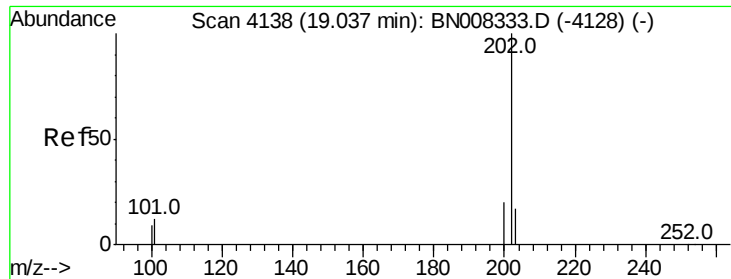


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

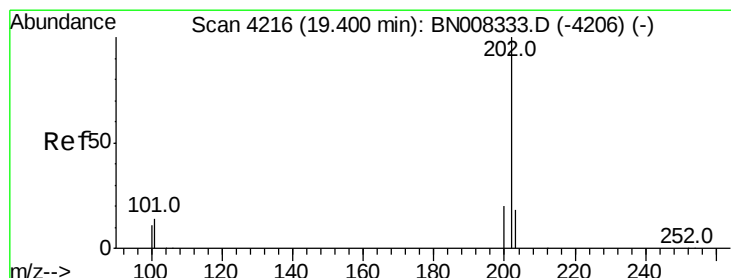
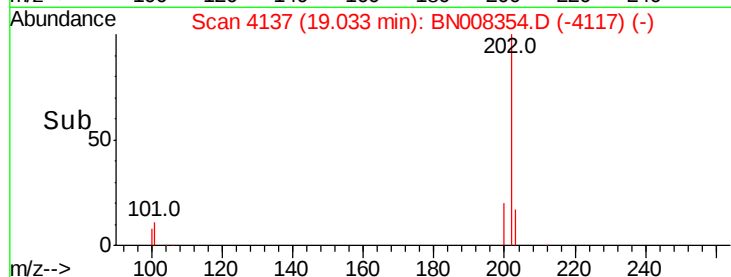
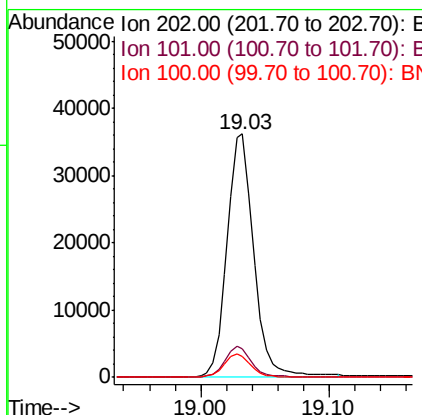
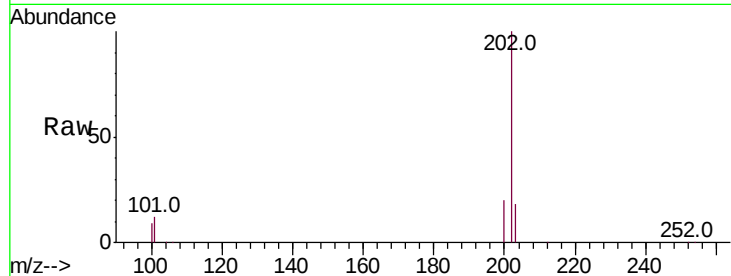




#15
Fluoranthene
Concen: 1.153 ng/ul
RT: 19.03 min Scan# 4137
Delta R.T. -0.01 min
Lab File: BN008354.D
Acq: 23 Oct 2019 17:56

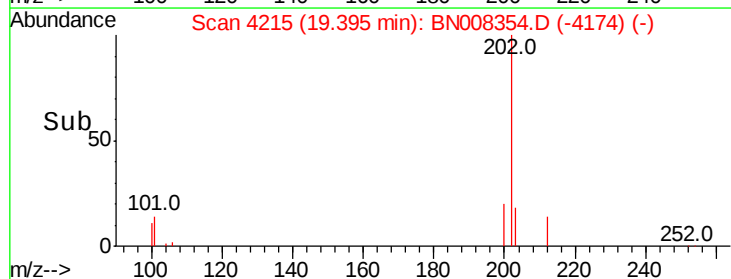
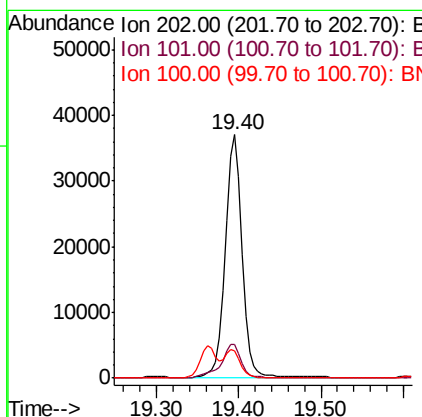
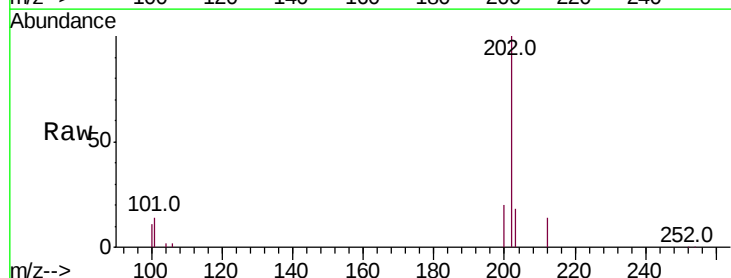
Instrument :
BNA_N
ClientSampleId :

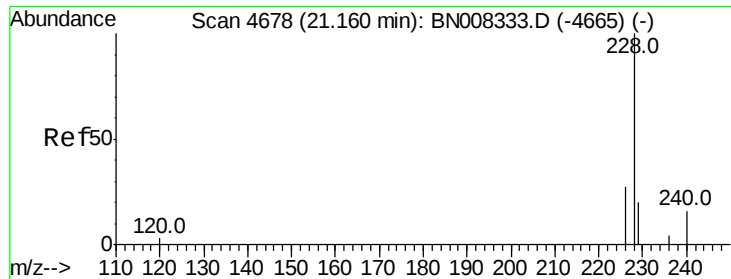
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.2
100	8.6	0.0	28.5



#17
Pyrene
Concen: 1.219 ng/ul
RT: 19.40 min Scan# 4215
Delta R.T. -0.01 min
Lab File: BN008354.D
Acq: 23 Oct 2019 17:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.9	16.3
100	11.4	8.7	13.1





#18

Benzo(a)anthracene

Concen: 0.992 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

Instrument :

BNA_N

ClientSampleId :

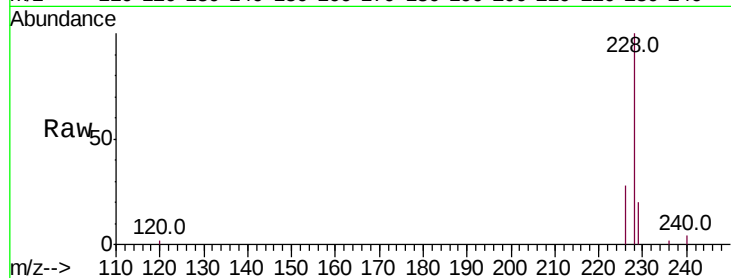
Tot Ion:228 Resp: 38703

Ion Ratio Lower Upper

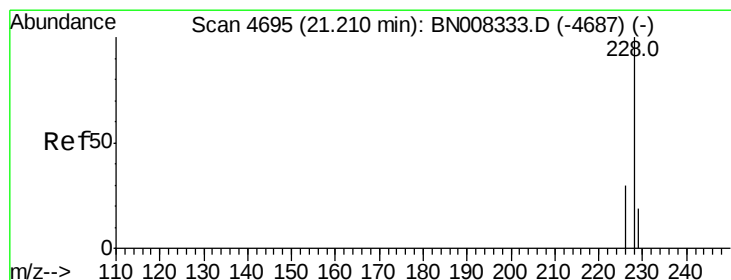
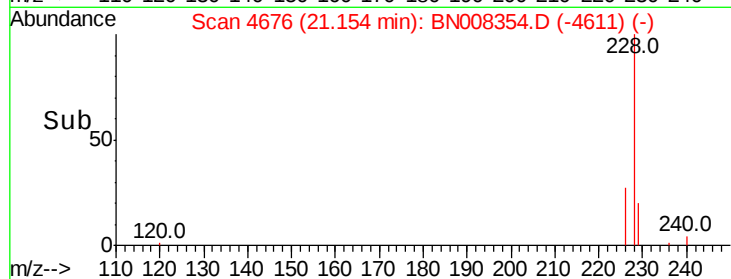
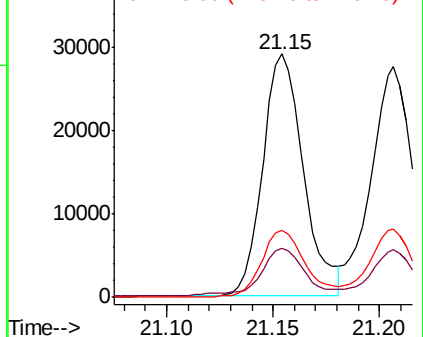
228 100

229 20.3 16.2 24.2

226 27.6 21.4 32.0



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: 0.848 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

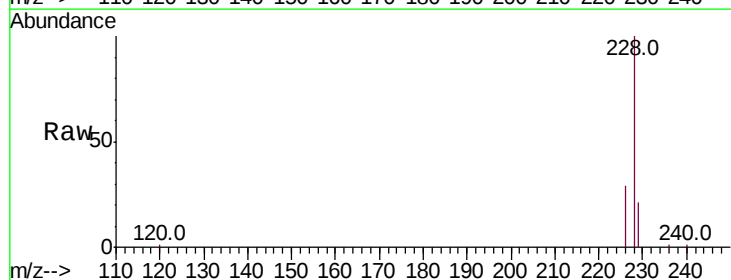
Tgt Ion:228 Resp: 40615

Ion Ratio Lower Upper

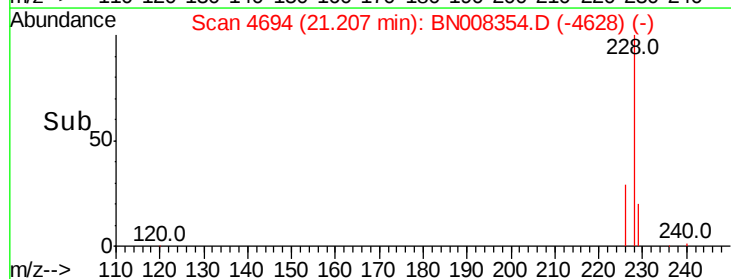
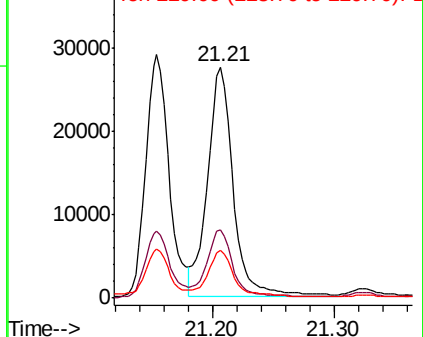
228 100

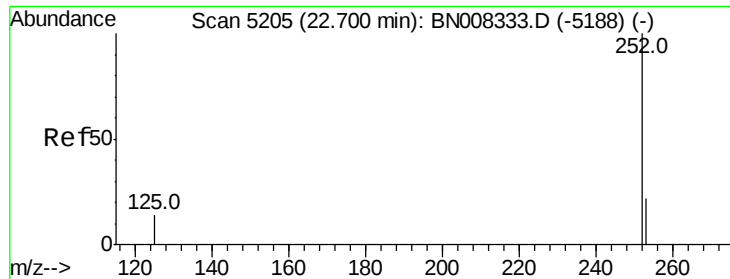
226 29.3 24.1 36.1

229 20.5 16.2 24.2



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

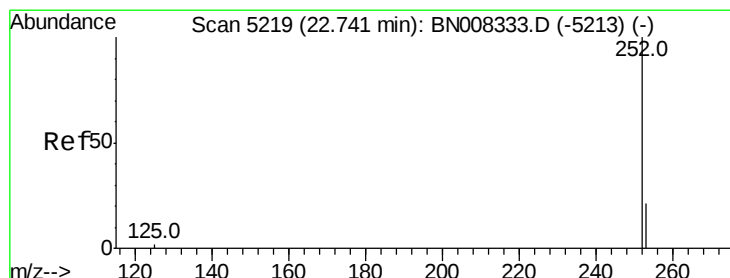
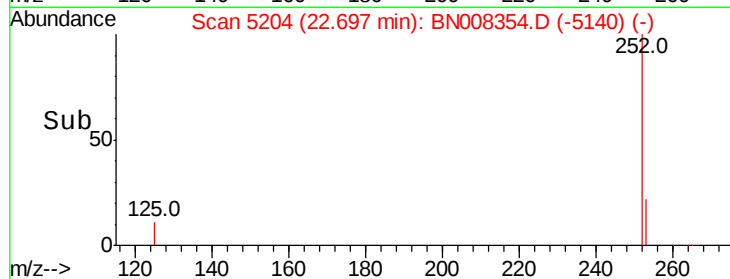
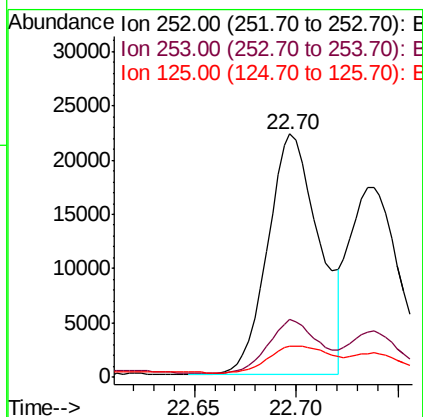
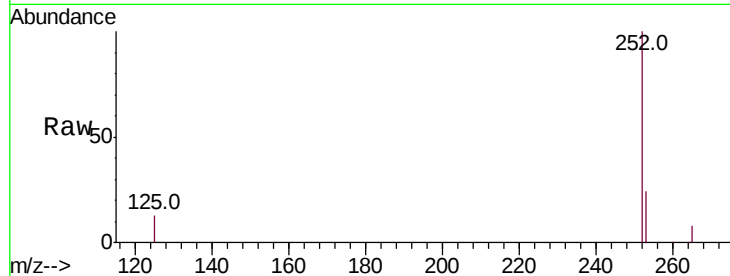




#21
Benzo(b)fluoranthene
Concen: 1.336 ng/ul
RT: 22.70 min Scan# 5204
Delta R.T. -0.01 min
Lab File: BN008354.D
Acq: 23 Oct 2019 17:56

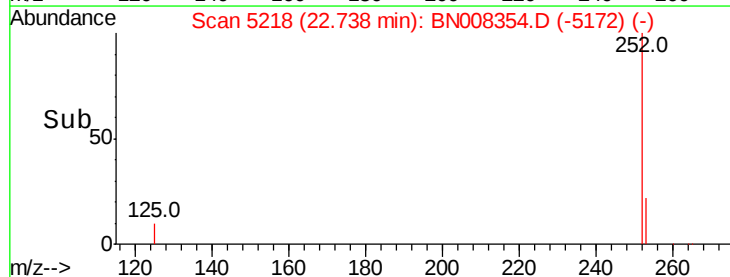
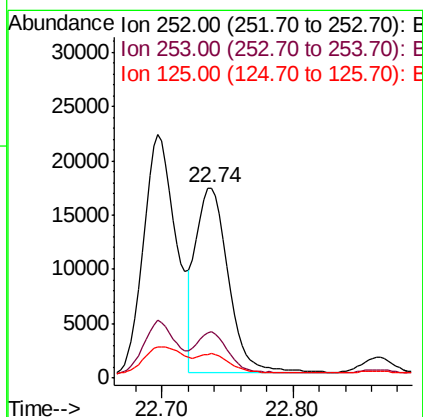
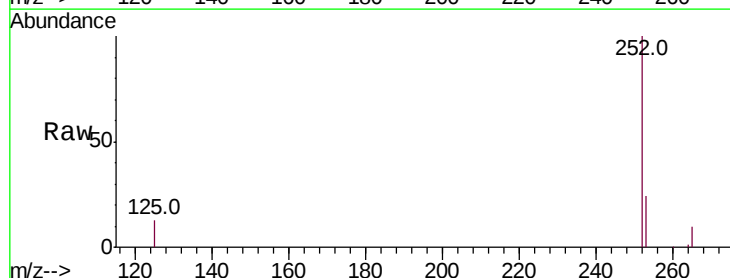
Instrument :
BNA_N
ClientSampleId :

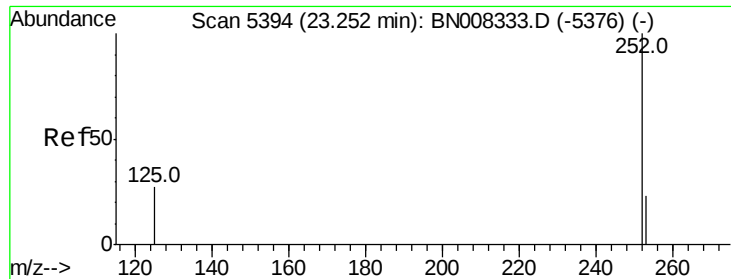
Tot Ion:252 Resp: 38678
Ion Ratio Lower Upper
252 100
253 23.6 0.0 53.4
125 12.8 0.0 32.4



#22
Benzo(k)fluoranthene
Concen: 0.884 ng/ul
RT: 22.74 min Scan# 5218
Delta R.T. -0.01 min
Lab File: BN008354.D
Acq: 23 Oct 2019 17:56

Tgt Ion:252 Resp: 28971
Ion Ratio Lower Upper
252 100
253 24.2 21.3 31.9
125 12.7 12.3 18.5





#23

Benzo(a)pyrene

Concen: 1.036 ng/ul

RT: 23.25 min Scan# 5392

Delta R.T. -0.01 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

Instrument :

BNA_N

ClientSampleId :

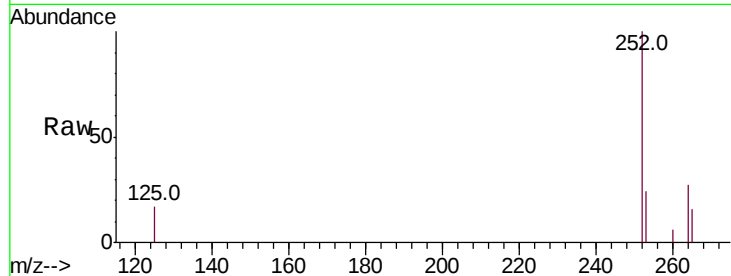
Tot Ion:252 Resp: 31561

Ion Ratio Lower Upper

252 100

253 24.3 22.8 34.2

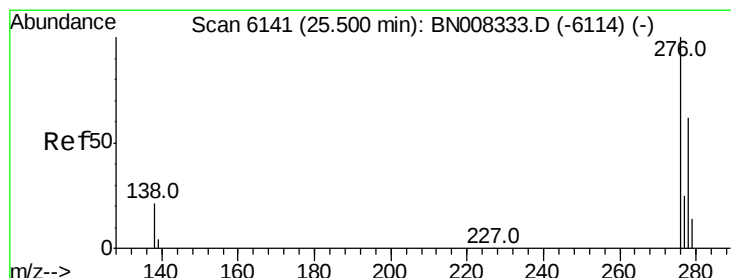
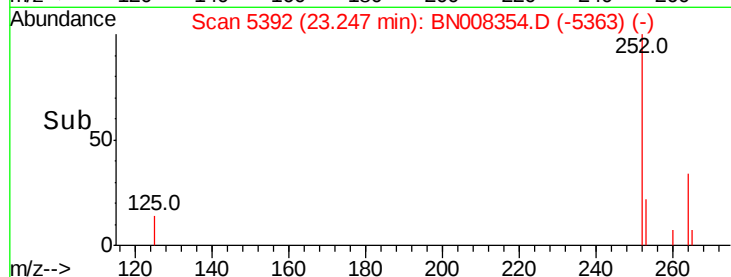
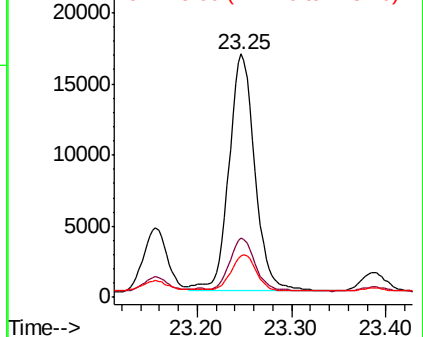
125 17.0 18.4 27.6#



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: 0.778 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

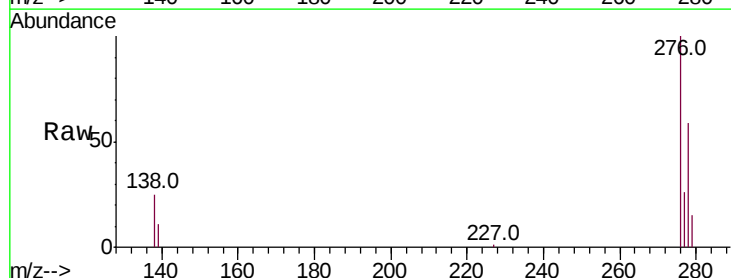
Tgt Ion:276 Resp: 27911

Ion Ratio Lower Upper

276 100

138 24.4 16.1 24.1#

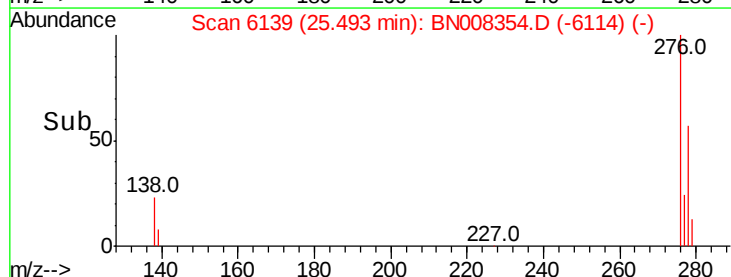
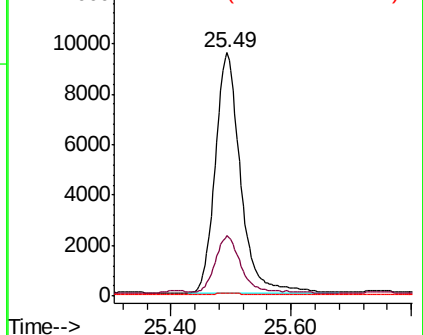
227 0.3 0.2 0.2#

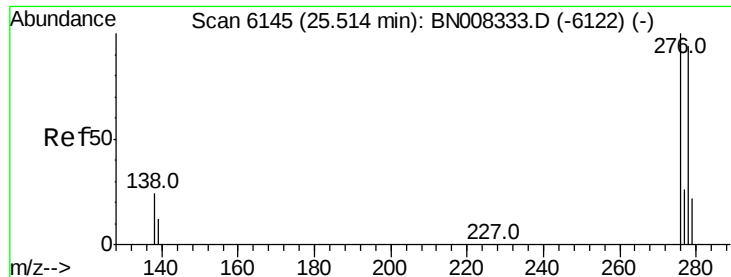


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.676 ng/u1

RT: 25.50 min Scan# 6142

Delta R.T. -0.02 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

Instrument :

BNA_N

ClientSampleId :

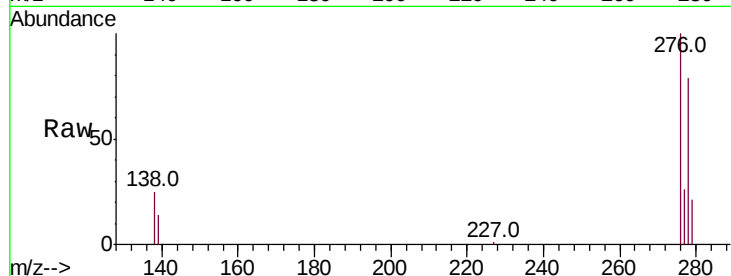
Tot Ion:278 Resp: 19156

Ion Ratio Lower Upper

278 100

139 17.8 15.0 22.6

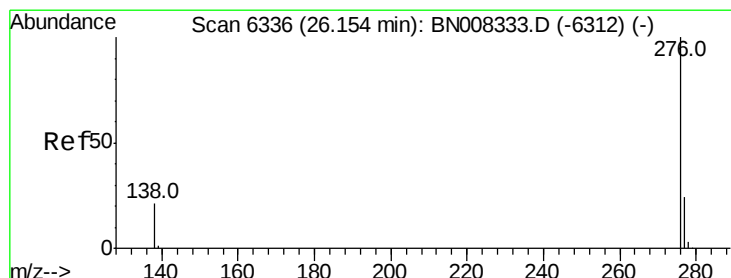
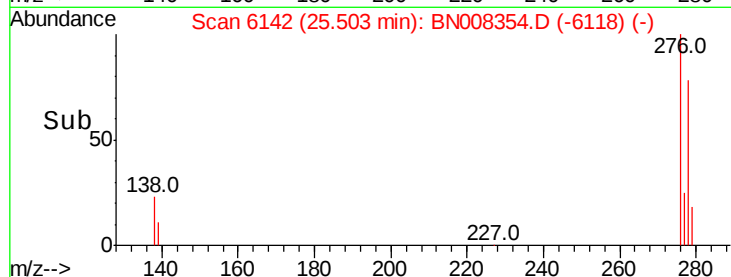
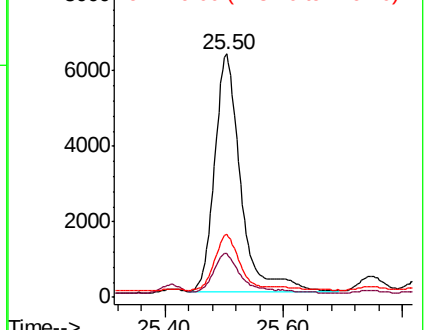
279 25.9 22.4 33.6



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: 0.701 ng/u1

RT: 26.15 min Scan# 6335

Delta R.T. -0.02 min

Lab File: BN008354.D

Acq: 23 Oct 2019 17:56

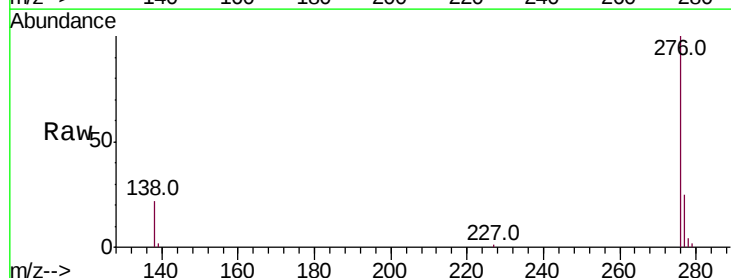
Tgt Ion:276 Resp: 23054

Ion Ratio Lower Upper

276 100

138 22.2 17.0 25.4

277 24.6 20.4 30.6



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

