

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007443.D
 Acq On : 27 Aug 2019 21:53
 Operator : HP/JU
 Sample : K4337-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 00:04:45 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 : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5394	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22856	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	13112	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.90	188	2195912	0.40	ng/ul	0.09
16) Chrysene-d12	21.15	240	150	0.40	ng/ul	0.13
20) Perylene-d12	23.12	264	26451	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	15316	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	663	0.00	ng/ul	0.13

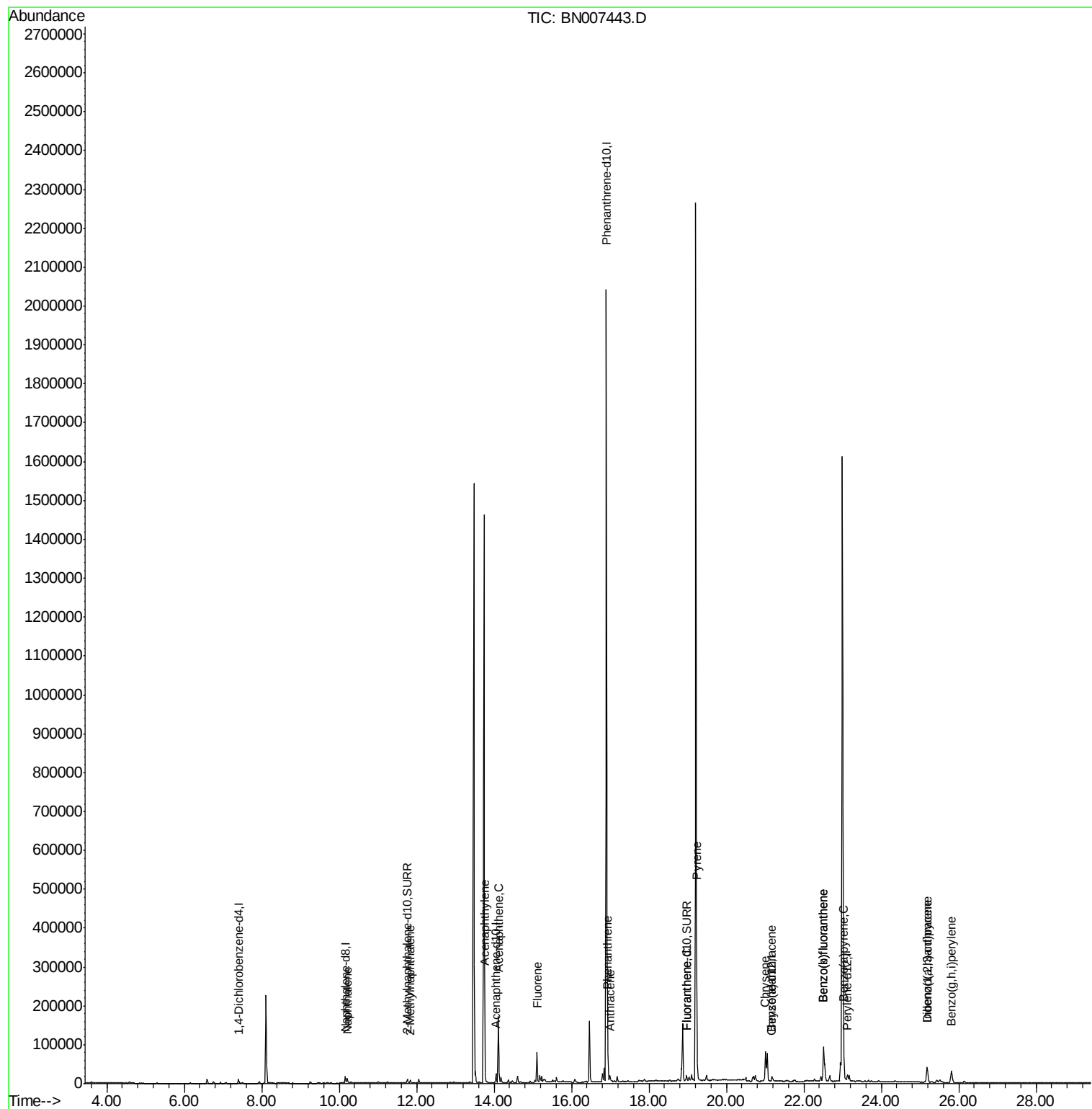
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	17960	0.278	ng/ul	98
5) 2-Methylnaphthalene	11.83	142	4901	0.113	ng/ul	97
7) Acenaphthylene	13.76	152	23850	0.327	ng/ul	99
8) Acenaphthene	14.11	153	100321	1.914	ng/ul	98
9) Fluorene	15.11	166	47815	0.843	ng/ul	95
12) Phenanthrene	16.93	178	131270	0.019	ng/ul	99
13) Anthracene	16.99	178	6206	0.001	ng/ul#	1
15) Fluoranthene	18.97	202	2752	0.000	ng/ul#	18
17) Pyrene	19.24	202	101384	138.163	ng/ul	99
18) Benzo(a)anthracene	21.17	228	13521	20.160	ng/ul#	47
19) Chrysene	21.01	228	37384	51.916	ng/ul	94
21) Benzo(b)fluoranthene	22.51	252	176519	1.528	ng/ul	99
22) Benzo(k)fluoranthene	22.51	252	176519	1.461	ng/ul#	96
23) Benzo(a)pyrene	23.03	252	66250	0.575	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.18	276	62690	0.486	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.19	278	14604	0.143	ng/ul#	84
26) Benzo(a,h,i)perylene	25.81	276	59853	0.544	ng/ul	99

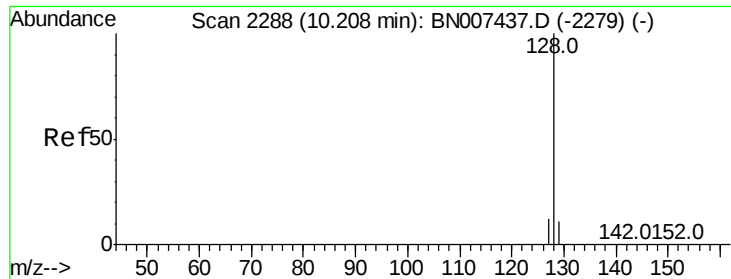
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.278 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampled :

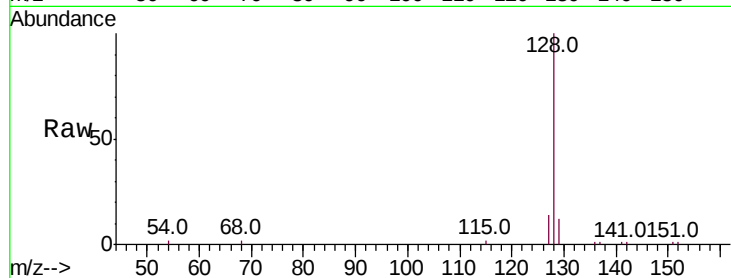
Tot Ion:128 Resp: 17960

Ion Ratio Lower Upper

128 100

129 12.2 9.2 13.8

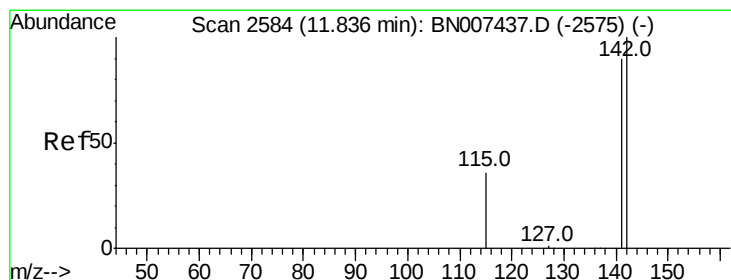
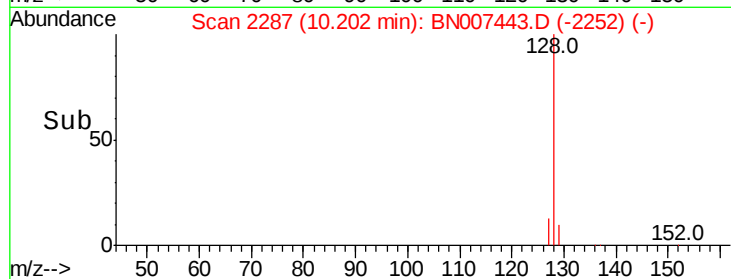
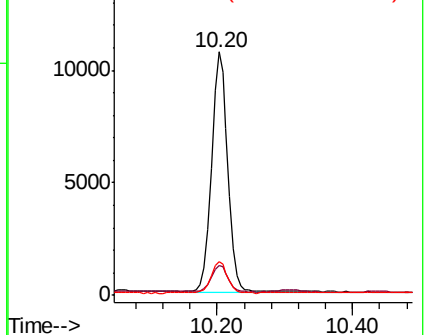
127 13.7 10.4 15.6



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: 0.113 ng/ul

RT: 11.83 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN007443.D

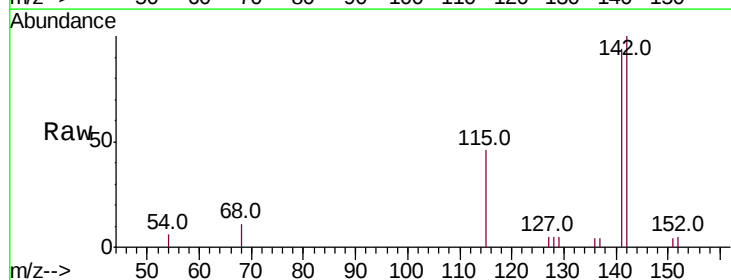
Acq: 27 Aug 2019 21:53

Tgt Ion:142 Resp: 4901

Ion Ratio Lower Upper

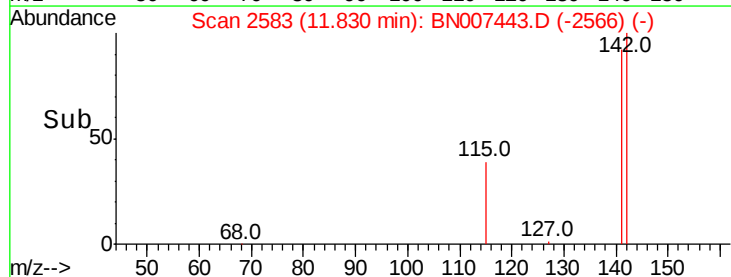
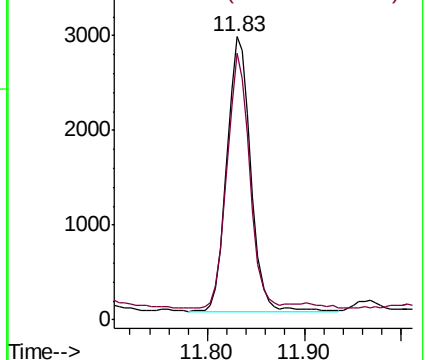
142 100

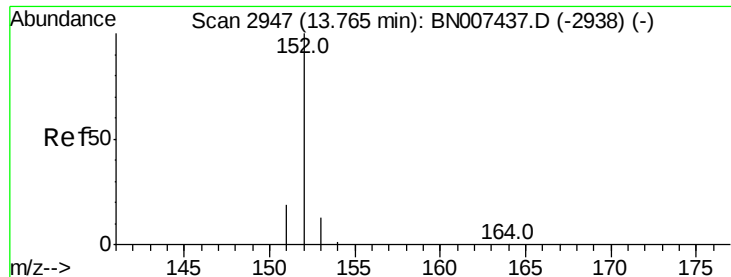
141 92.2 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.327 ng/ul

RT: 13.76 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :

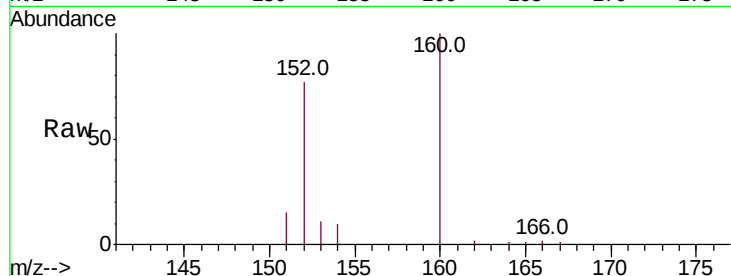
Tot Ion:152 Resp: 23850

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 14.6 10.8 16.2

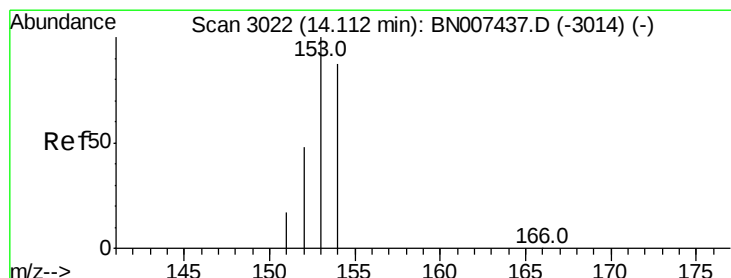
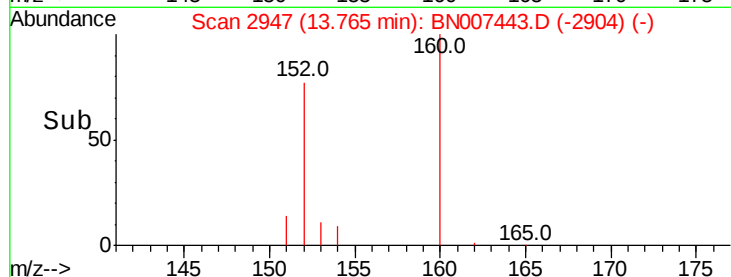
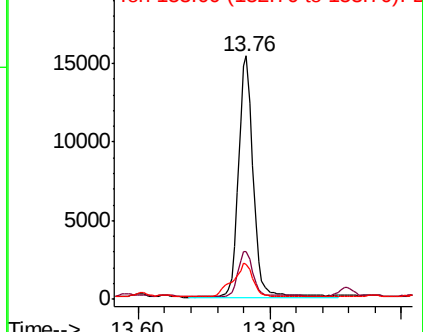


Abundance

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: 1.914 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

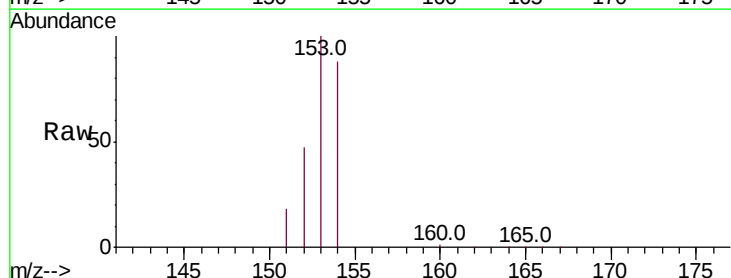
Tgt Ion:153 Resp: 100321

Ion Ratio Lower Upper

153 100

152 47.3 39.1 58.7

154 88.4 69.4 104.2

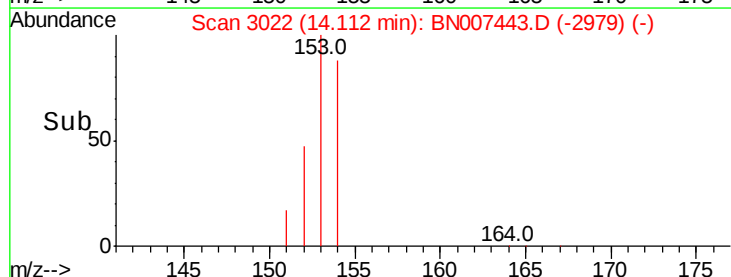
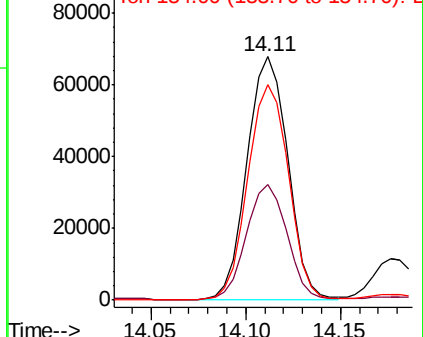


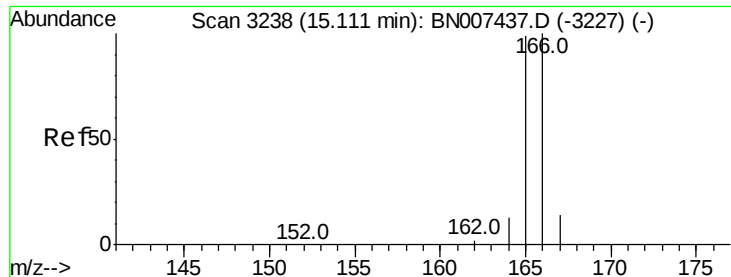
Abundance

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: 0.843 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :

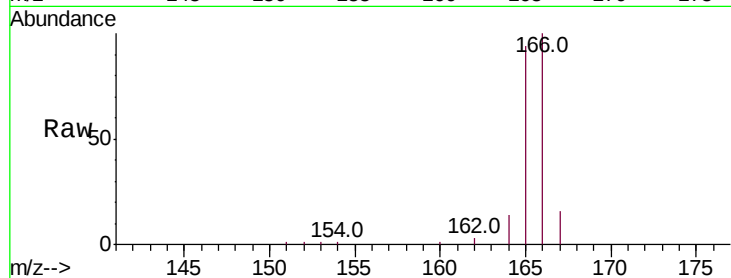
Tot Ion:166 Resp: 47815

Ion Ratio Lower Upper

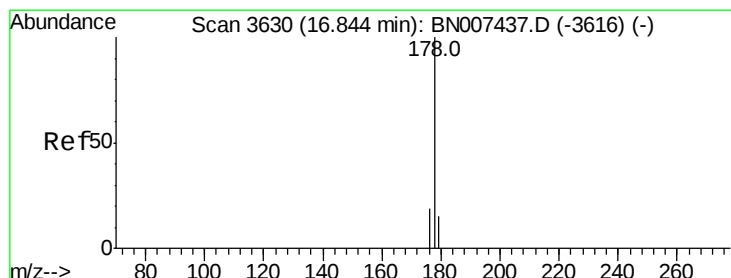
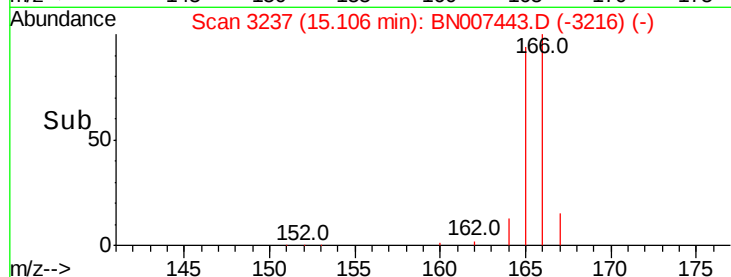
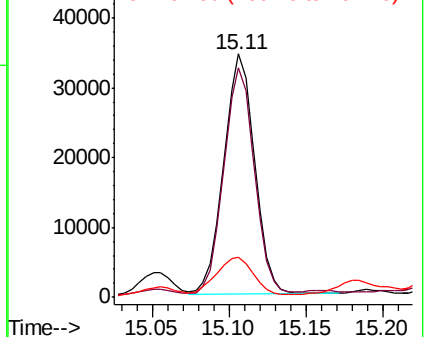
166 100

165 94.4 79.6 119.4

167 16.2 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: 0.019 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. 0.09 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

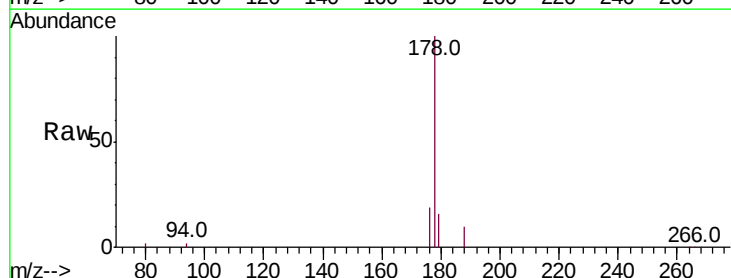
Tgt Ion:178 Resp: 131270

Ion Ratio Lower Upper

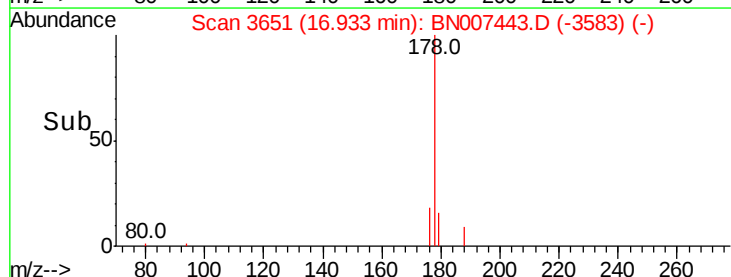
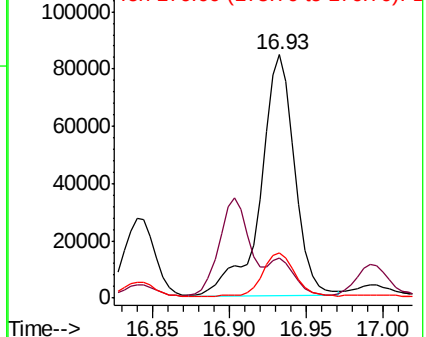
178 100

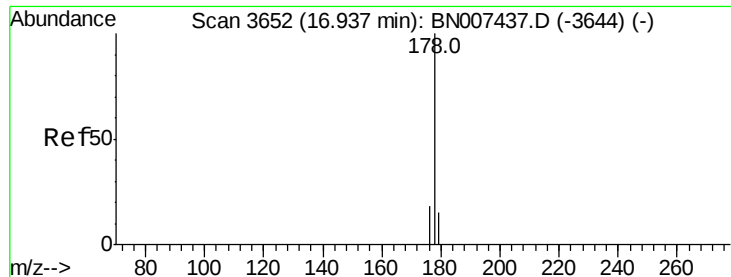
179 16.4 12.8 19.2

176 18.8 15.2 22.8



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: 0.001 ng/ul

RT: 16.99 min Scan# 3665

Delta R.T. 0.05 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :

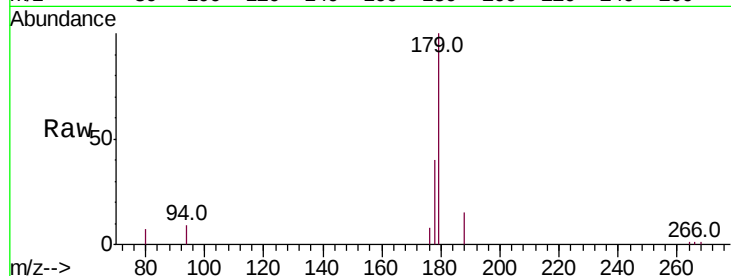
Tot Ion:178 Resp: 6206

Ion Ratio Lower Upper

178 100

179 250.5 12.8 19.2#

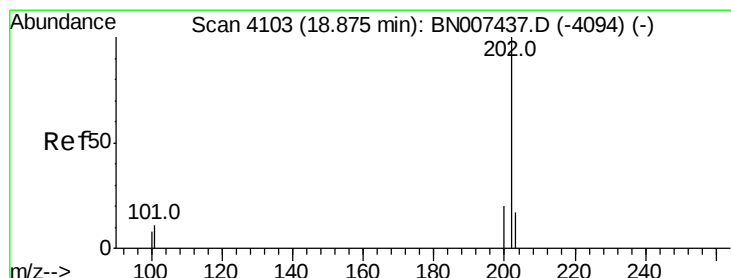
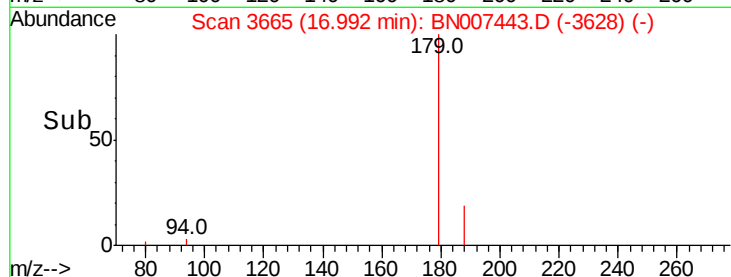
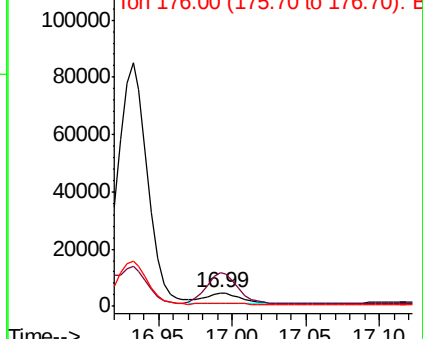
176 20.7 14.6 21.8



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: 0.000 ng/ul

RT: 18.97 min Scan# 4123

Delta R.T. 0.09 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

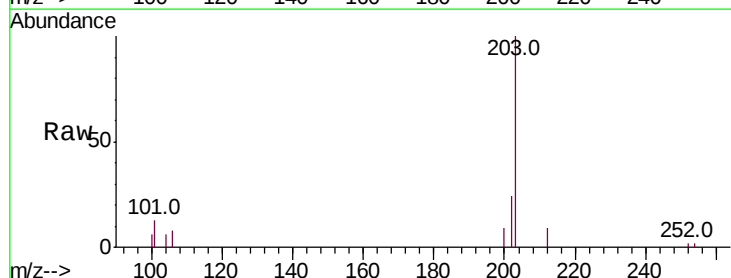
Tgt Ion:202 Resp: 2752

Ion Ratio Lower Upper

202 100

101 52.3 0.0 31.3#

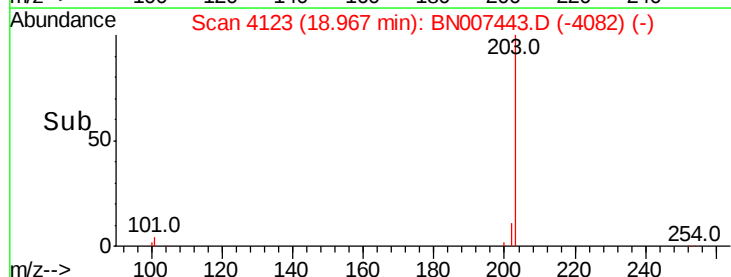
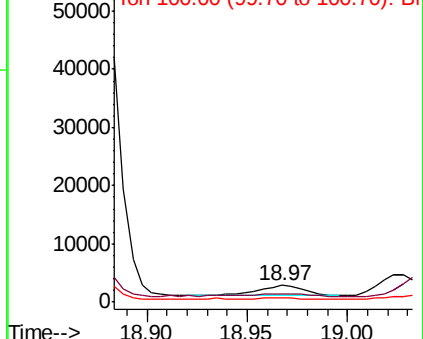
100 25.4 0.0 28.5

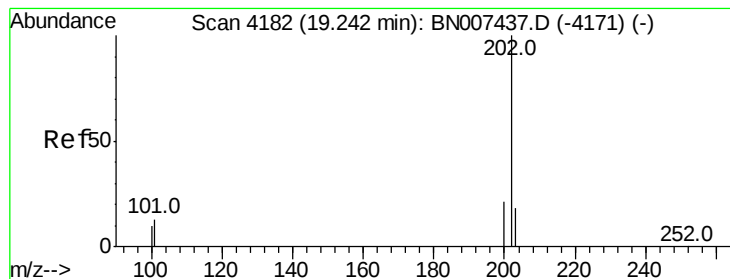


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 138.163 ng/ul

RT: 19.24 min Scan# 4181

Delta R.T. -0.00 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :

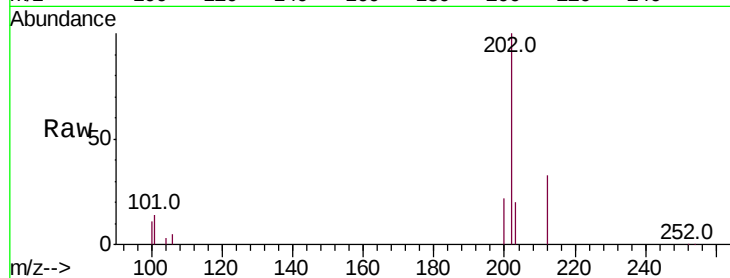
Tot Ion:202 Resp: 101384

Ion Ratio Lower Upper

202 100

101 13.9 10.7 16.1

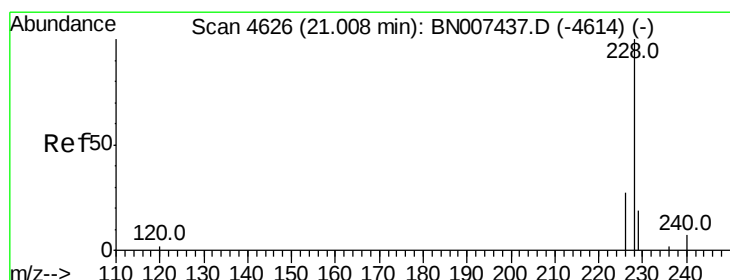
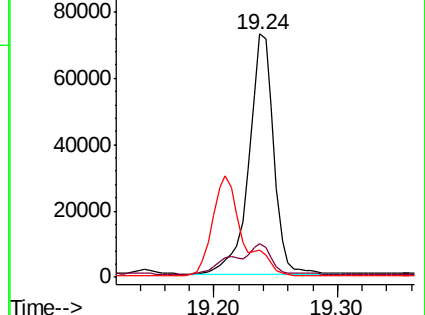
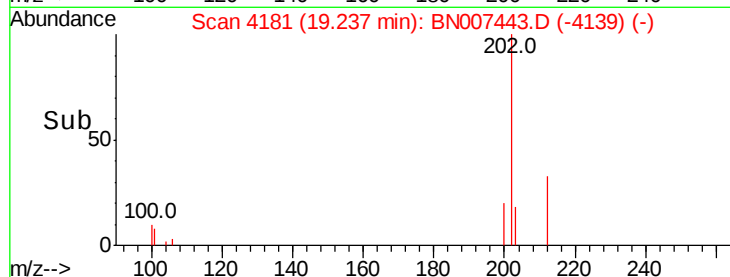
100 11.1 8.6 12.8



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: 20.160 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. 0.16 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

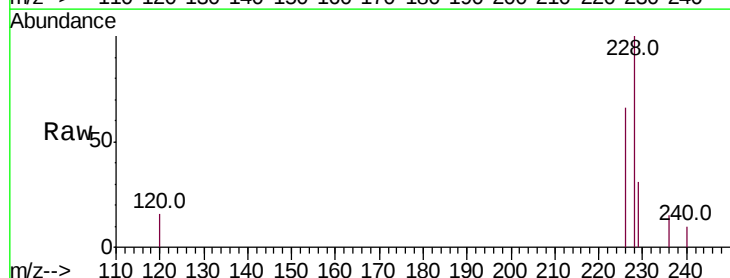
Tgt Ion:228 Resp: 13521

Ion Ratio Lower Upper

228 100

229 30.8 15.4 23.2#

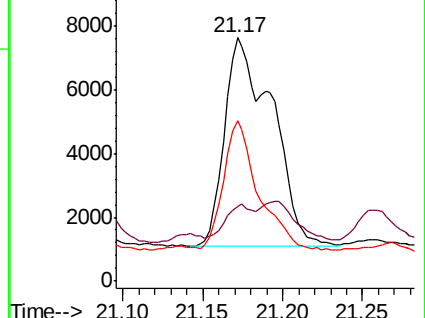
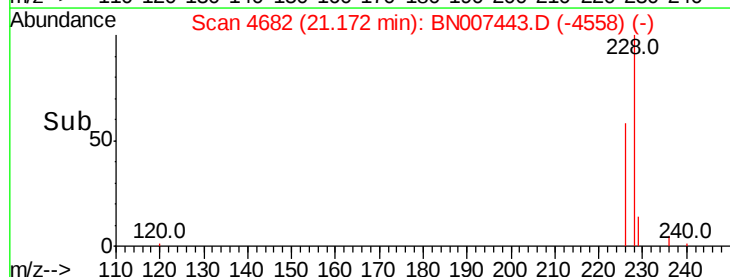
226 65.7 22.0 33.0#

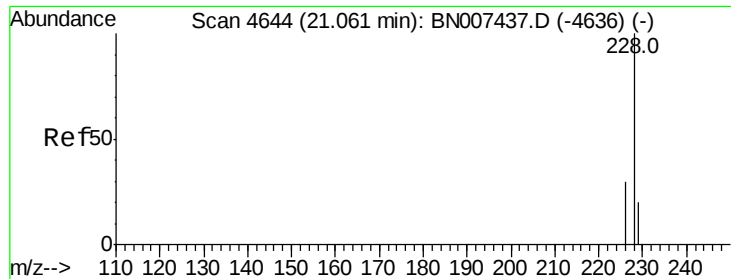


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 51.916 ng/ul

RT: 21.01 min Scan# 4625

Delta R.T. -0.06 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :

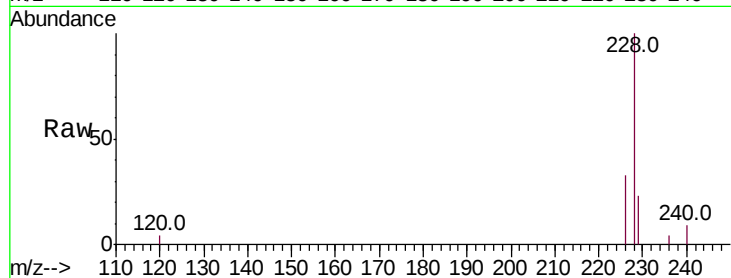
Tot Ion:228 Resp: 37384

Ion Ratio Lower Upper

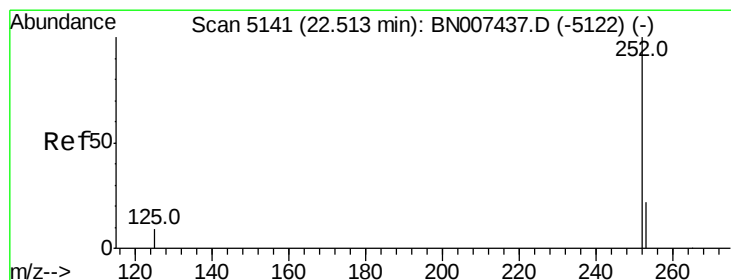
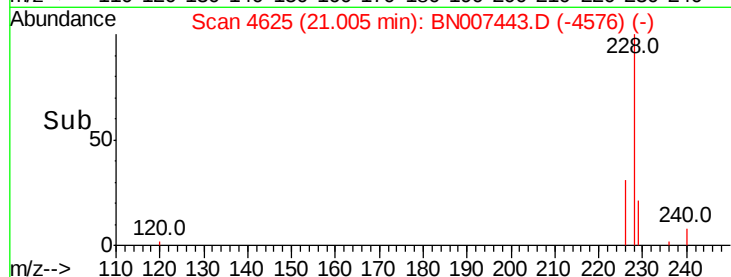
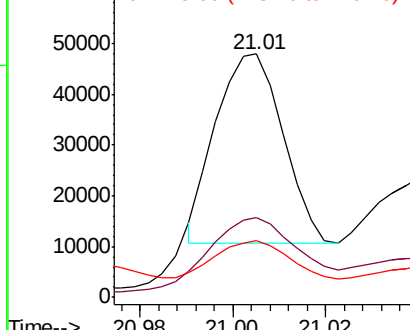
228 100

226 32.5 24.1 36.1

229 23.4 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: 1.528 ng/ul

RT: 22.51 min Scan# 5139

Delta R.T. -0.01 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

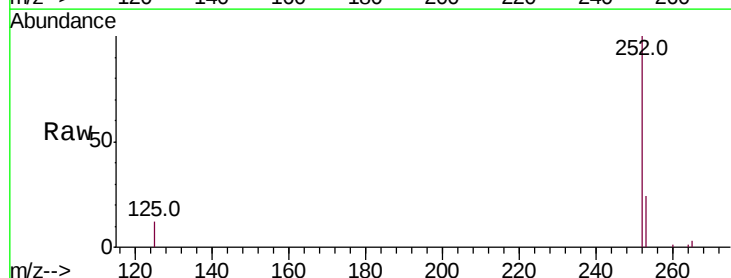
Tgt Ion:252 Resp: 176519

Ion Ratio Lower Upper

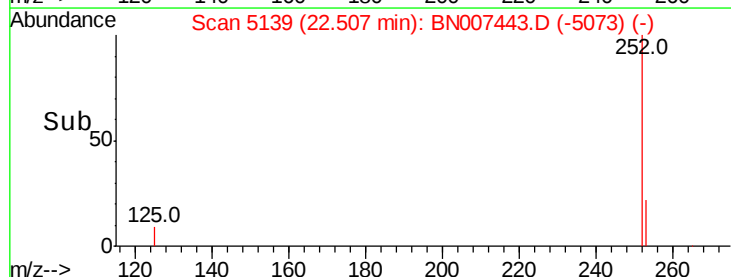
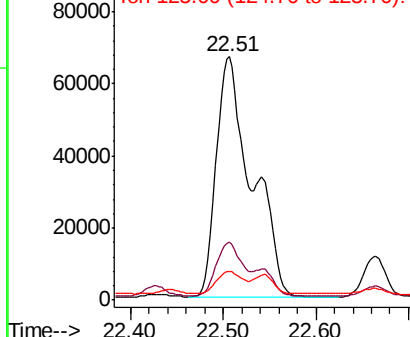
252 100

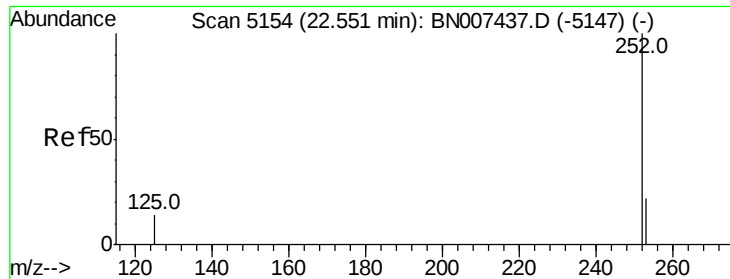
253 23.6 0.0 47.0

125 11.8 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: 1.461 ng/ul

RT: 22.51 min Scan# 5139

Delta R.T. -0.04 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :

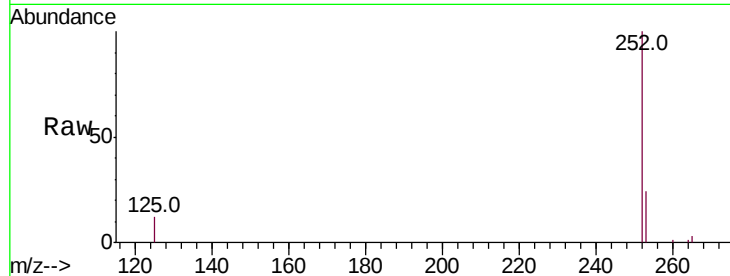
Tot Ion:252 Resp: 176519

Ion Ratio Lower Upper

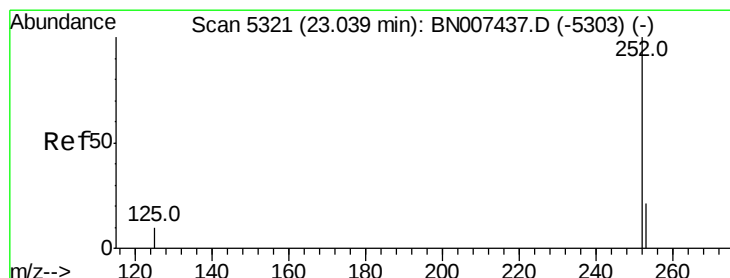
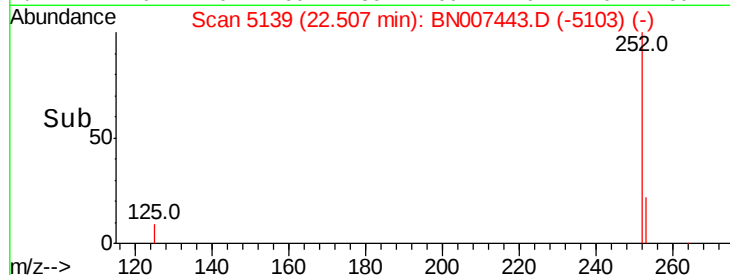
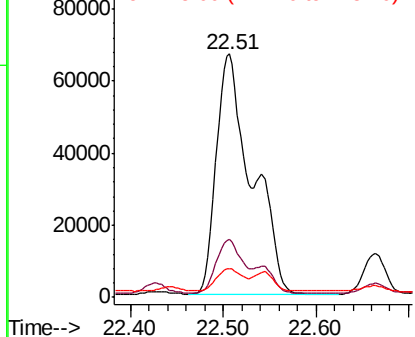
252 100

253 23.6 18.7 28.1

125 11.8 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: 0.575 ng/ul

RT: 23.03 min Scan# 5319

Delta R.T. -0.01 min

Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

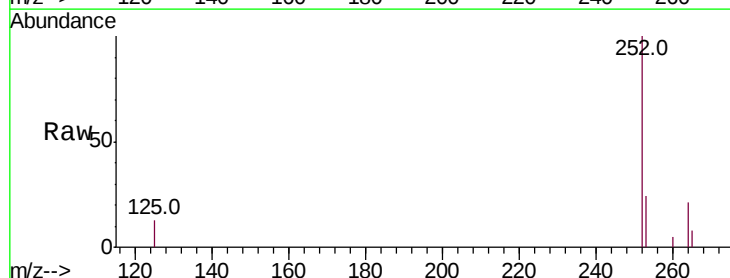
Tgt Ion:252 Resp: 66250

Ion Ratio Lower Upper

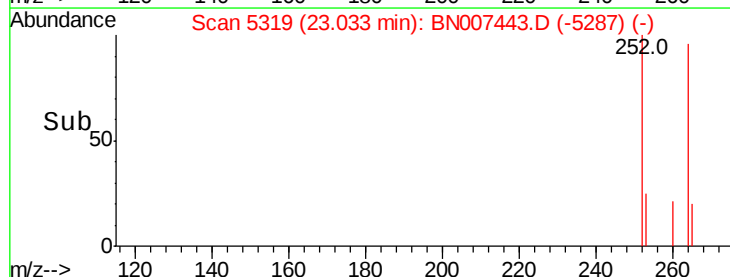
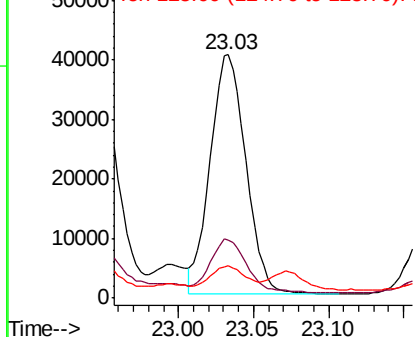
252 100

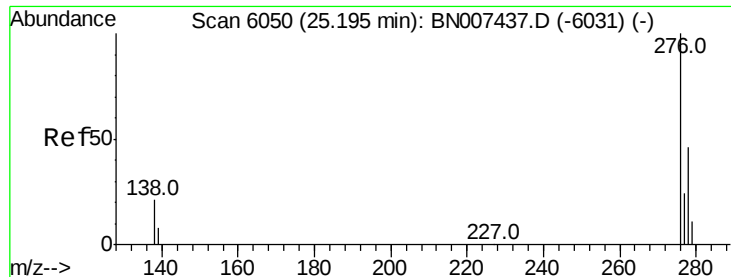
253 24.0 19.0 28.6

125 13.3 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

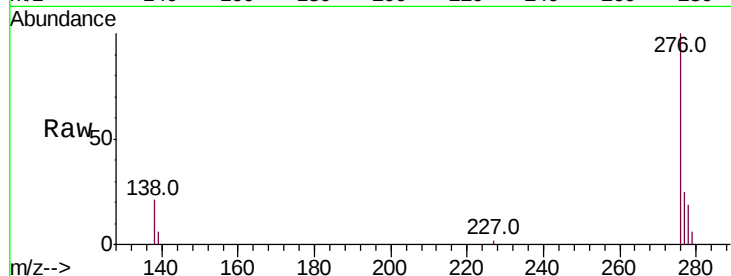




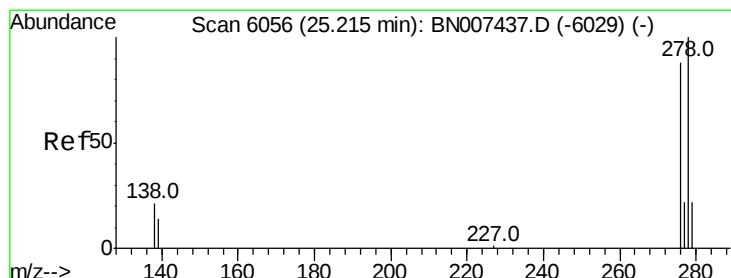
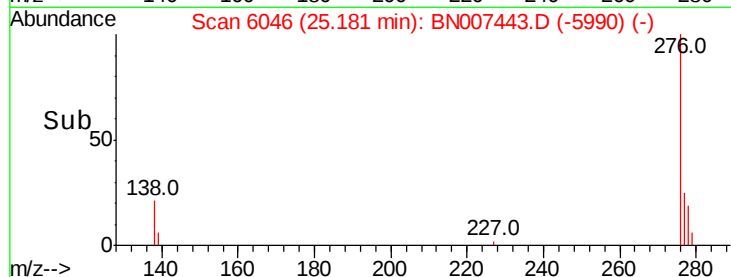
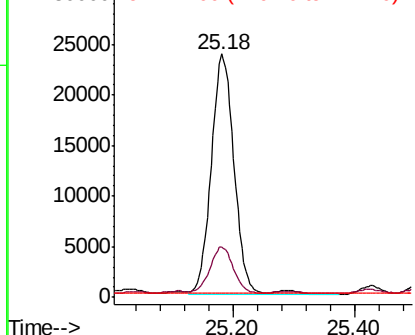
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.486 ng/ul
 RT: 25.18 min Scan# 6046
 Delta R.T. -0.01 min
 Lab File: BN007443.D
 Acq: 27 Aug 2019 21:53

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 62690
 Ion Ratio Lower Upper
 276 100
 138 23.3 19.7 29.5
 227 0.0 0.1 0.1#

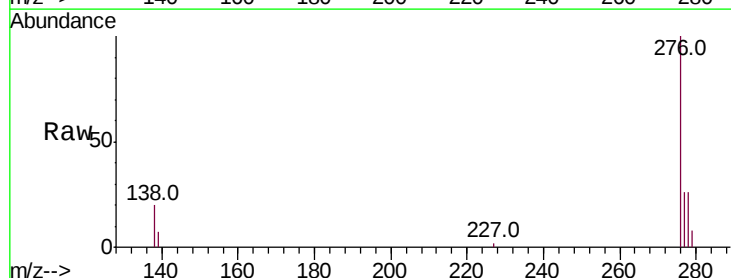


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

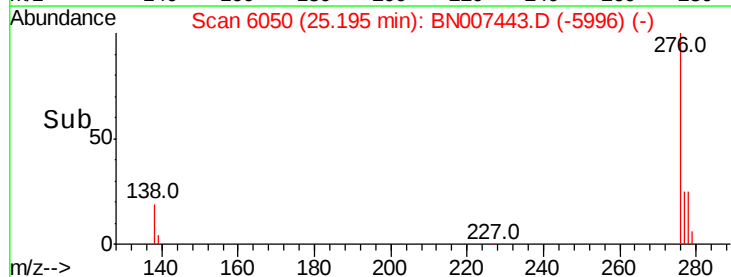
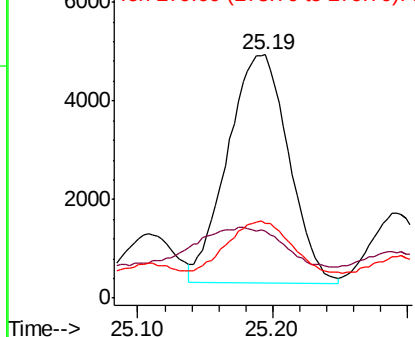


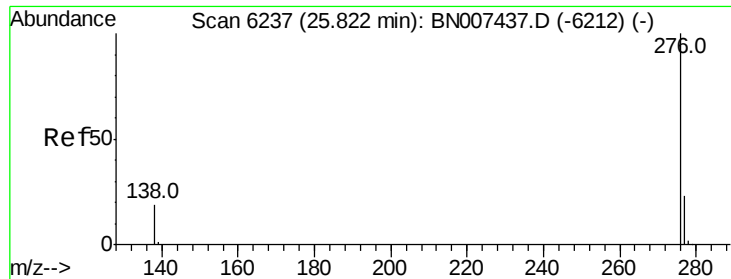
#25
 Dibenzo(a,h)anthracene
 Concen: 0.143 ng/ul
 RT: 25.19 min Scan# 6050
 Delta R.T. -0.02 min
 Lab File: BN007443.D
 Acq: 27 Aug 2019 21:53

Tgt Ion:278 Resp: 14604
 Ion Ratio Lower Upper
 278 100
 139 27.4 14.6 21.8#
 279 30.7 19.8 29.8#



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(a,h,i)perylene

Concen: 0.544 ng/ul

RT: 25.81 min Scan# 6234

Delta R.T. -0.01 min

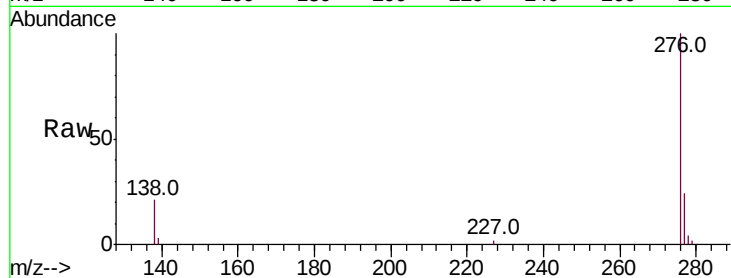
Lab File: BN007443.D

Acq: 27 Aug 2019 21:53

Instrument :

BNA_N

ClientSampleId :



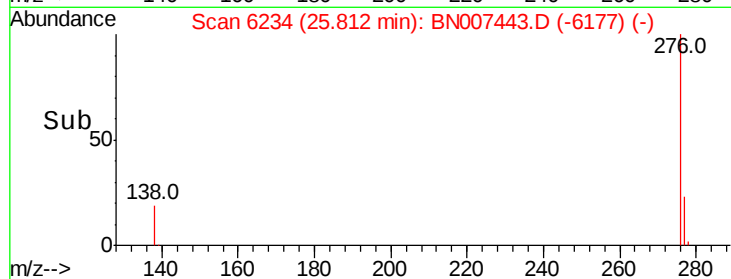
Tot Ion:276 Resp: 59853

Ion Ratio Lower Upper

276 100

138 20.7 17.1 25.7

277 24.4 19.4 29.0



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

