

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
 Data File : BN011713.D
 Acq On : 04 Sep 2020 22:59
 Operator : CG/JU
 Sample : L3840-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 05 02:00:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 05 01:53:42 2020
 Response via : Initial Calibration

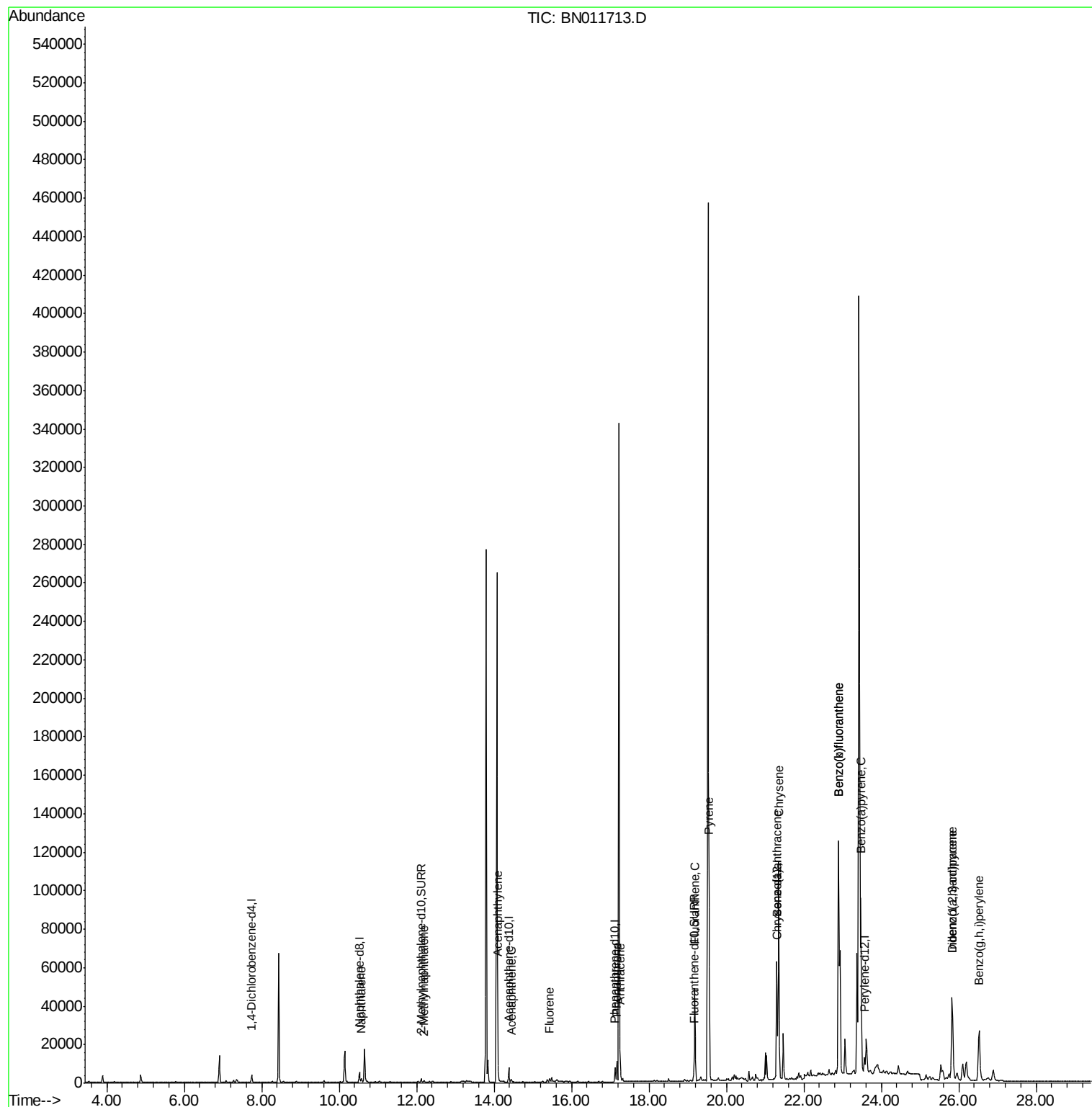
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1842	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	7027	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	4136	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.12	188	8883	0.40	ng/ul	0.00
16) Chrysene-d12	21.31	240	9414	0.40	ng/ul	0.00
20) Perylene-d12	23.57	264	9642	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1984	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	4791	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.57	128	2403	0.117	ng/ul	96
5) 2-Methylnaphthalene	12.19	142	462	0.036	ng/ul	94
7) Acenaphthylene	14.10	152	9114	0.438	ng/ul	98
8) Acenaphthene	14.44	153	761	0.047	ng/ul	97
9) Fluorene	15.43	166	1335	0.070	ng/ul#	95
12) Phenanthrene	17.16	178	10804	0.360	ng/ul	98
13) Anthracene	17.26	178	13425	0.543	ng/ul	97
15) Fluoranthene	19.19	202	40626	1.175	ng/ul	99
17) Pyrene	19.55	202	85621	2.327	ng/ul	98
18) Benzo(a)anthracene	21.30	228	49176	1.557	ng/ul	98
19) Chrysene	21.35	228	105497	2.477	ng/ul	100
21) Benzo(b)fluoranthene	22.89	252	271419	6.476	ng/ul	93
22) Benzo(k)fluoranthene	22.89	252	271419	5.858	ng/ul	93
23) Benzo(a)pyrene	23.47	252	118897	3.376	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.83	276	67539	1.418	ng/ul	100
25) Dibenzo(a,h)anthracene	25.84	278	19275	0.497	ng/ul	97
26) Benzo(a,h,i)perylene	26.52	276	57015	1.279	ng/ul	98

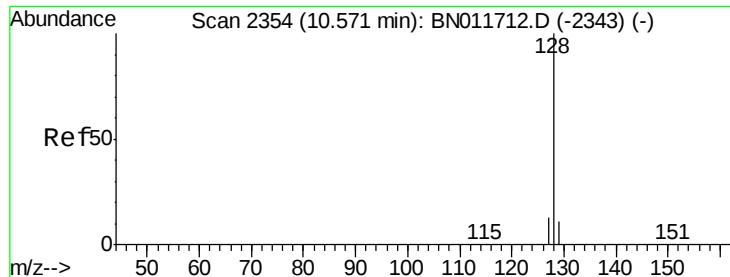
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.117 ng/ul

RT: 10.57 min Scan# 2354

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :

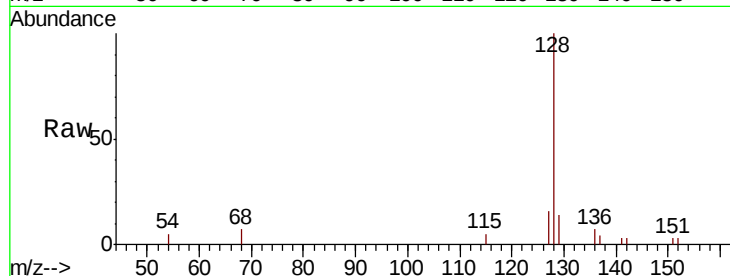
Tot Ion:128 Resp: 2403

Ion Ratio Lower Upper

128 100

129 14.2 10.4 15.6

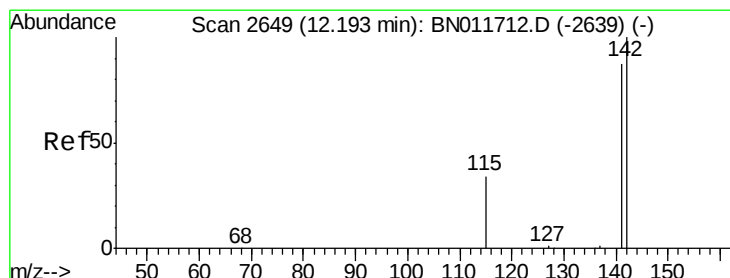
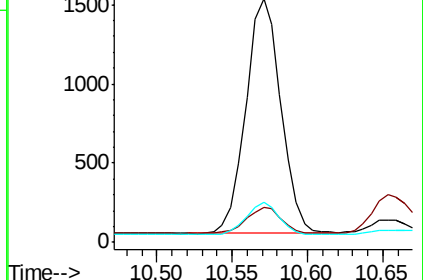
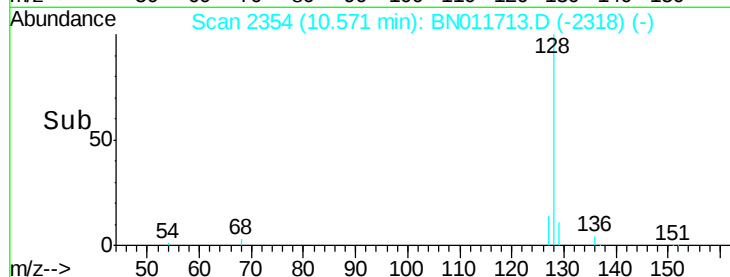
127 16.5 11.4 17.0



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: 0.036 ng/ul

RT: 12.19 min Scan# 2648

Delta R.T. -0.01 min

Lab File: BN011713.D

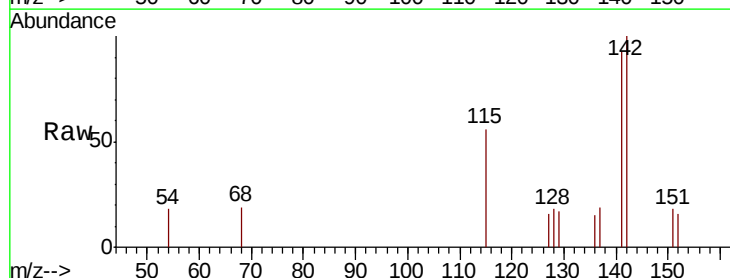
Acq: 04 Sep 2020 22:59

Tgt Ion:142 Resp: 462

Ion Ratio Lower Upper

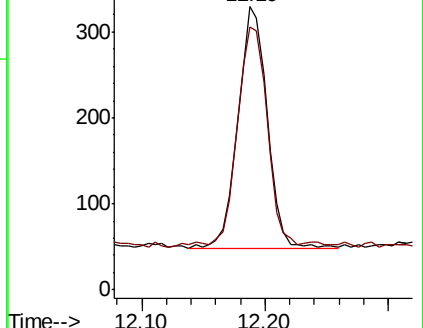
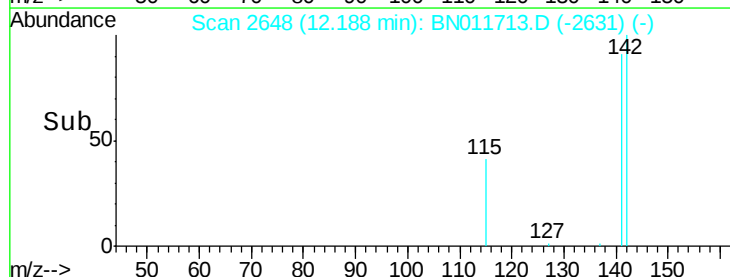
142 100

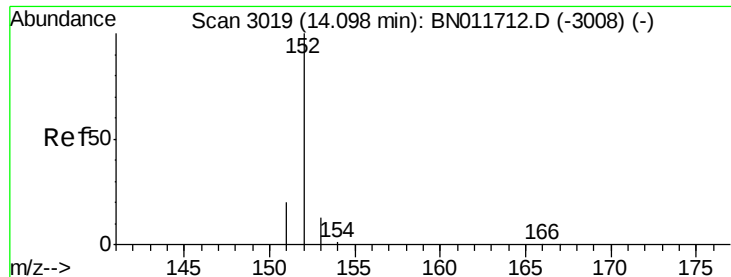
141 95.5 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.438 ng/ul

RT: 14.10 min Scan# 3019

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :

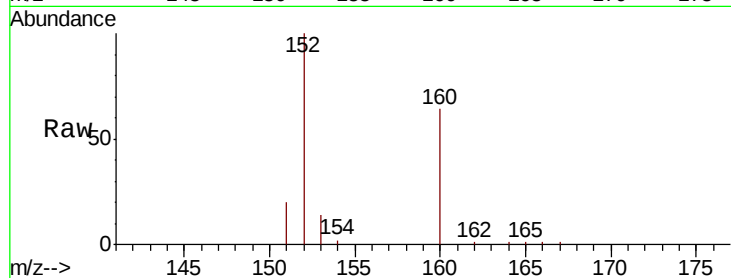
Tot Ion:152 Resp: 9114

Ion Ratio Lower Upper

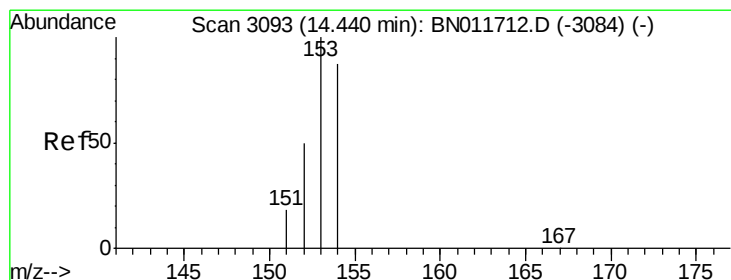
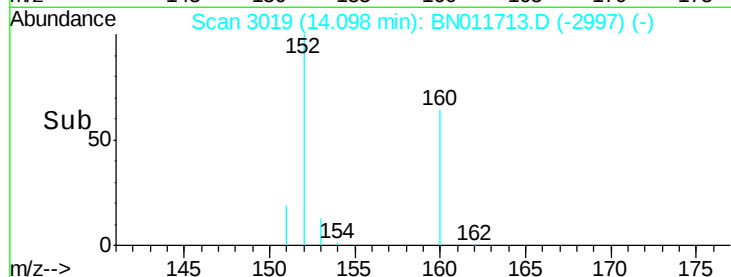
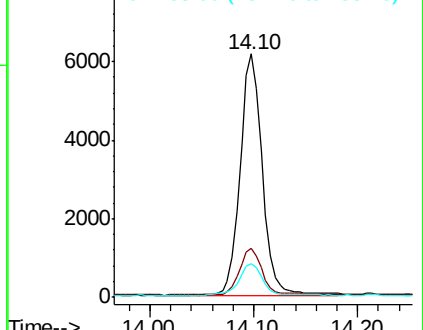
152 100

151 20.2 16.7 25.1

153 13.8 12.3 18.5



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: 0.047 ng/ul

RT: 14.44 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

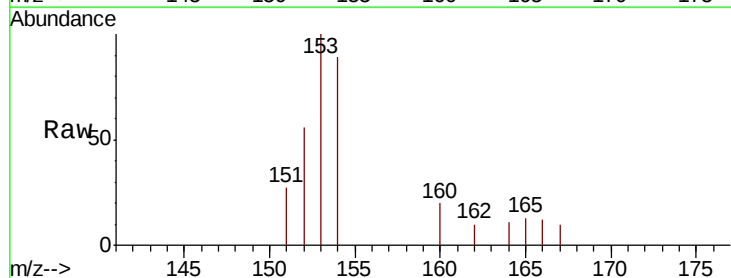
Tgt Ion:153 Resp: 761

Ion Ratio Lower Upper

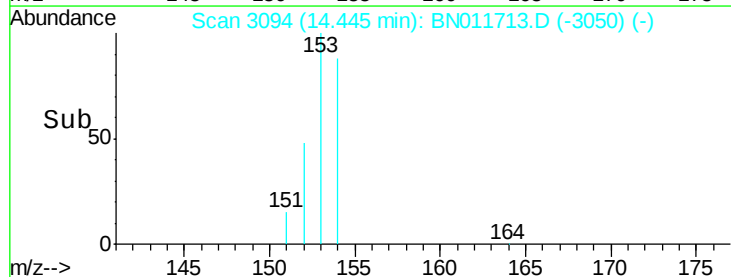
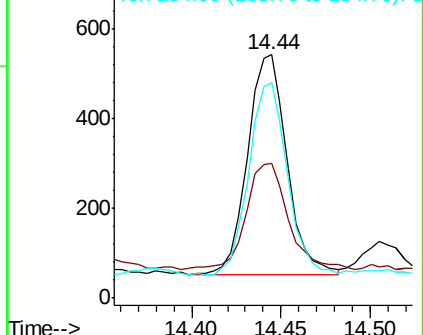
153 100

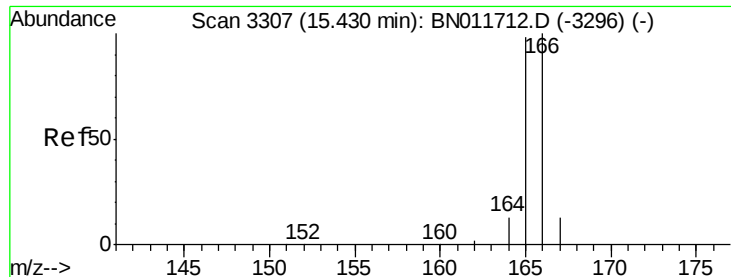
152 55.6 41.0 61.6

154 88.6 70.2 105.2



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: 0.070 ng/ul

RT: 15.43 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :

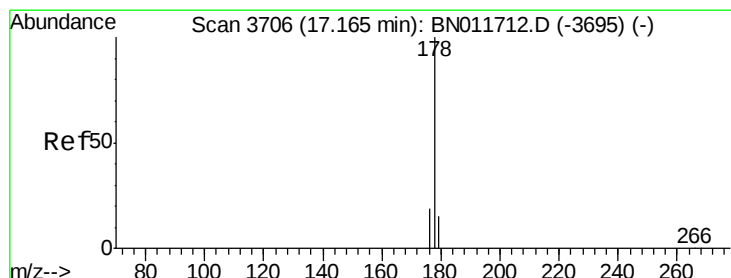
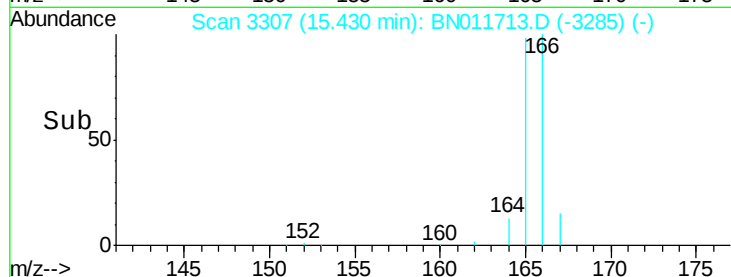
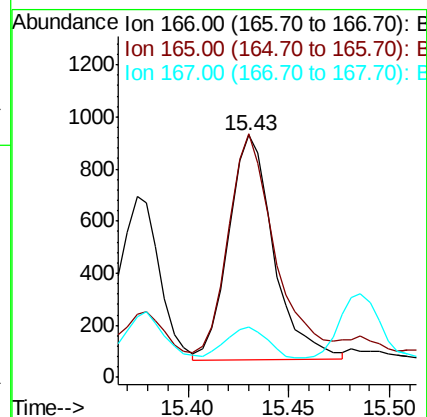
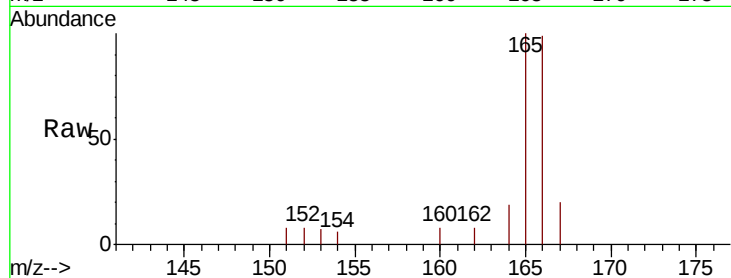
Tot Ion:166 Resp: 1335

Ion Ratio Lower Upper

166 100

165 100.6 77.7 116.5

167 20.6 12.5 18.7#



#12

Phenanthrene

Concen: 0.360 ng/ul

RT: 17.16 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

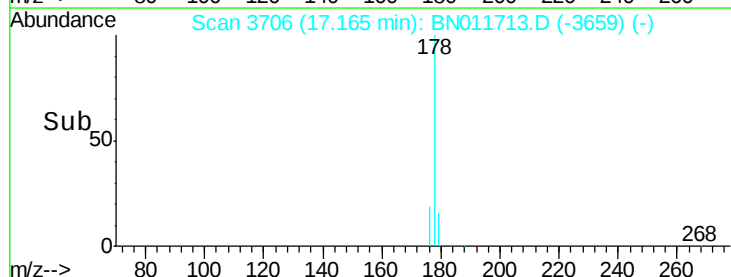
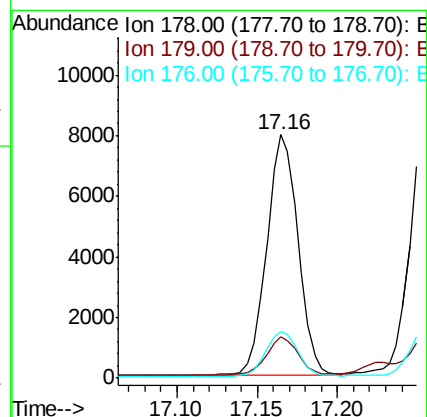
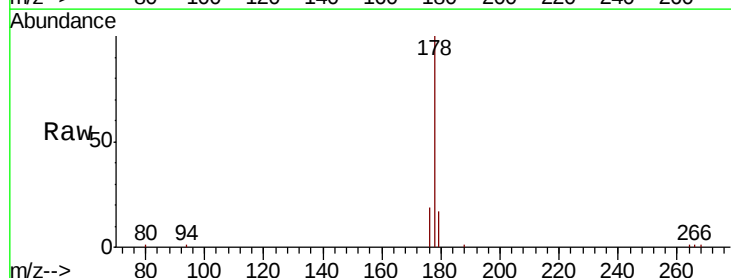
Tgt Ion:178 Resp: 10804

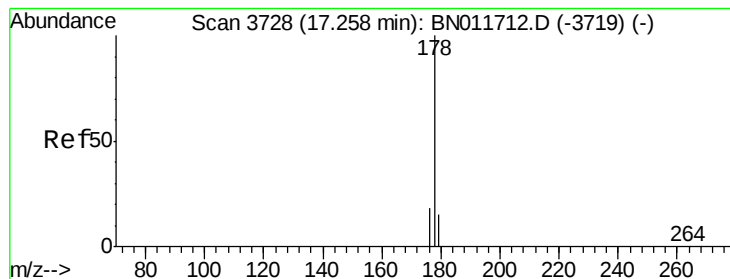
Ion Ratio Lower Upper

178 100

179 16.8 13.8 20.8

176 19.3 16.3 24.5





#13

Anthracene

Concen: 0.543 ng/ul

RT: 17.26 min Scan# 3728

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :

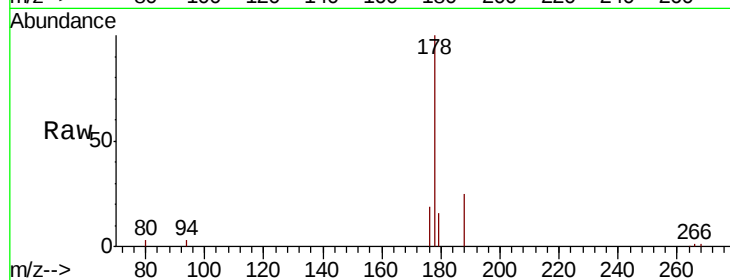
Tot Ion:178 Resp: 13425

Ion Ratio Lower Upper

178 100

179 16.4 14.2 21.2

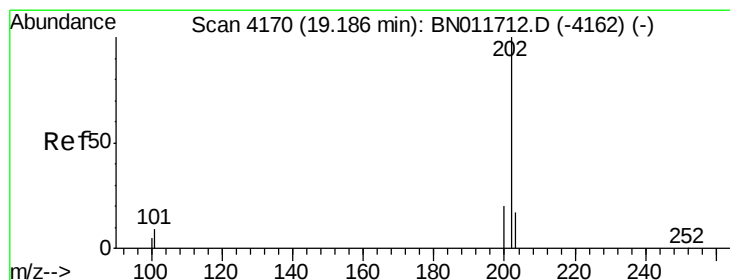
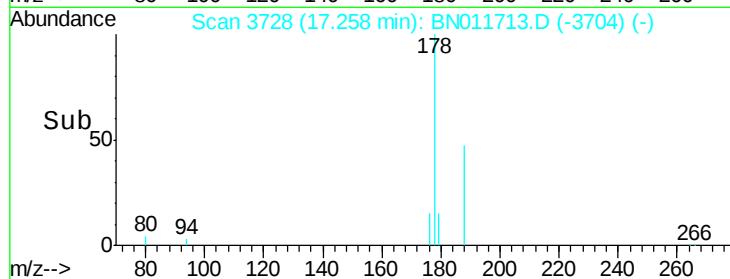
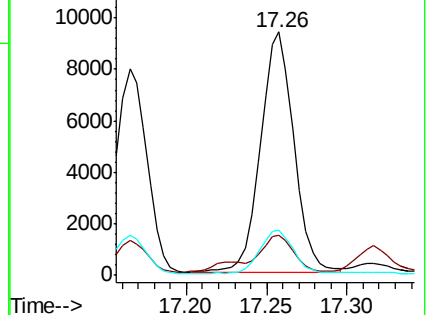
176 18.6 15.8 23.8



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: 1.175 ng/ul

RT: 19.19 min Scan# 4170

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

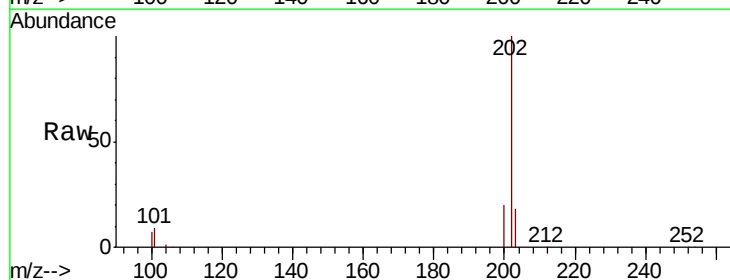
Tgt Ion:202 Resp: 40626

Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.3

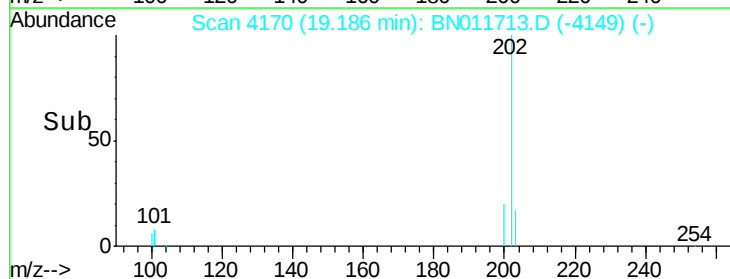
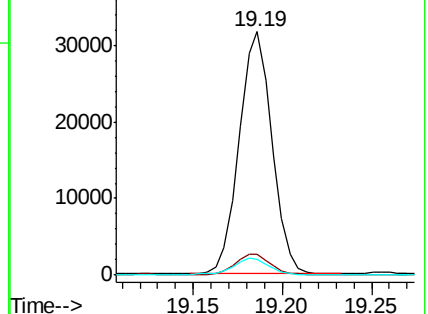
100 6.6 0.0 27.1

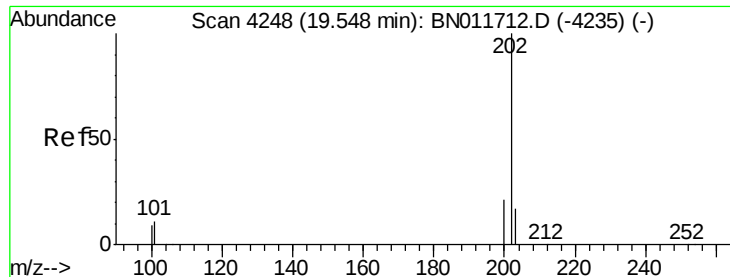


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

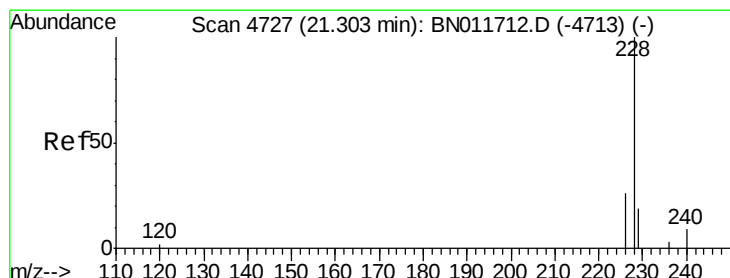
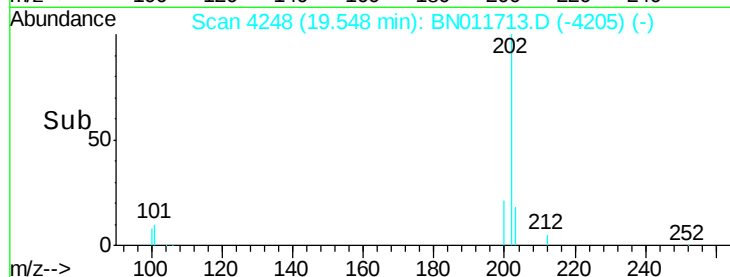
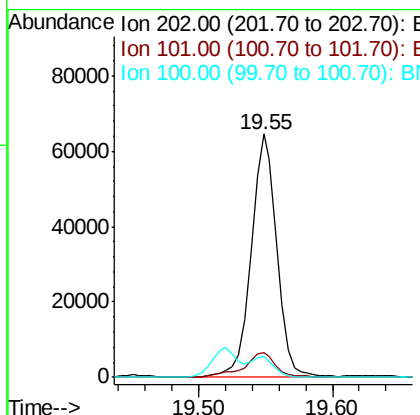
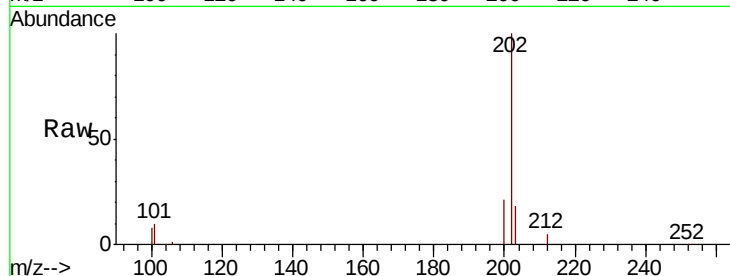




#17
Pvrene
Concen: 2.327 ng/ul
RT: 19.55 min Scan# 4248
Delta R.T. -0.00 min
Lab File: BN011713.D
Acq: 04 Sep 2020 22:59

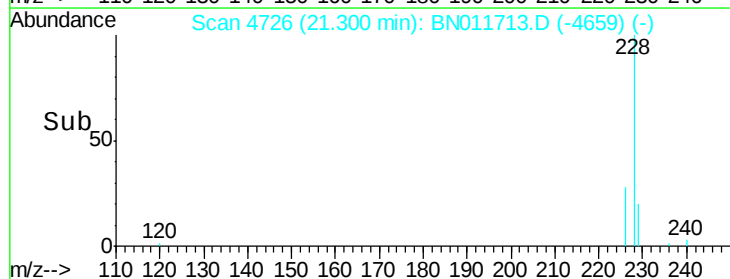
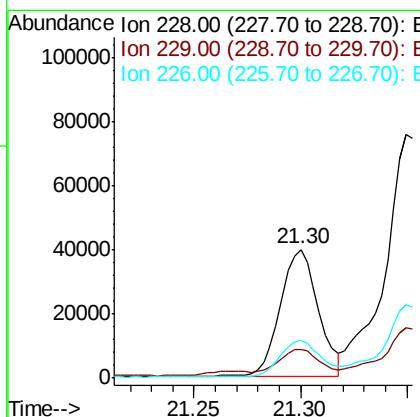
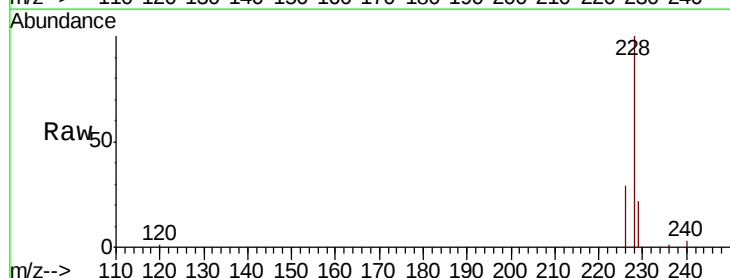
Instrument :
BNA_N
ClientSampleId :

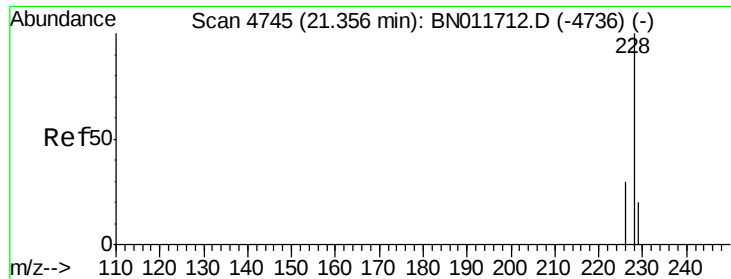
Tot Ion:202 Resp: 85621
Ion Ratio Lower Upper
202 100
101 10.2 7.3 10.9
100 8.4 6.7 10.1



#18
Benzo(a)anthracene
Concen: 1.557 ng/ul
RT: 21.30 min Scan# 4726
Delta R.T. -0.00 min
Lab File: BN011713.D
Acq: 04 Sep 2020 22:59

Tgt Ion:228 Resp: 49176
Ion Ratio Lower Upper
228 100
229 22.4 16.7 25.1
226 28.8 22.9 34.3





#19

Chrysene

Concen: 2.477 ng/ul

RT: 21.35 min Scan# 4743

Delta R.T. -0.01 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :

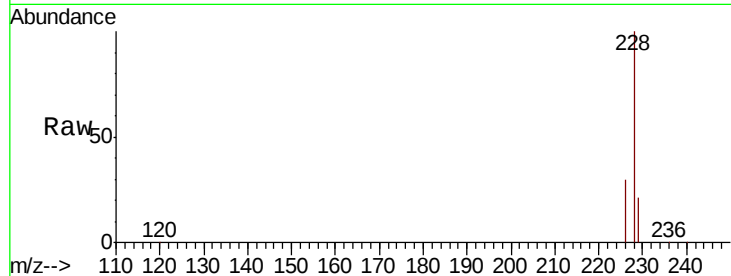
Tot Ion:228 Resp: 105497

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

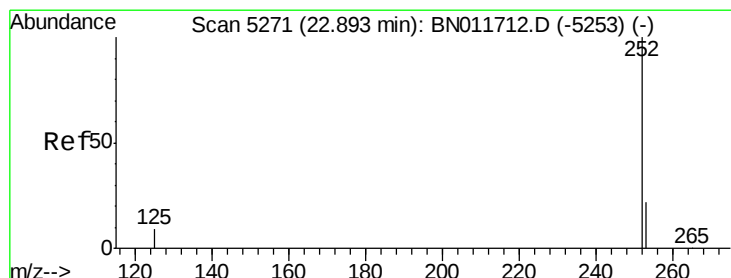
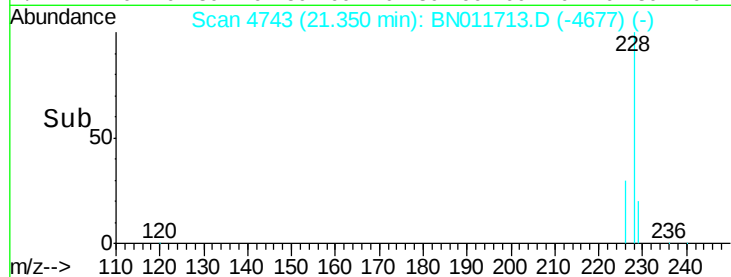
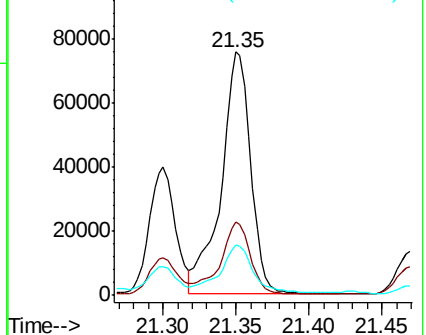
229 20.8 16.4 24.6



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: 6.476 ng/ul

RT: 22.89 min Scan# 5270

Delta R.T. -0.00 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

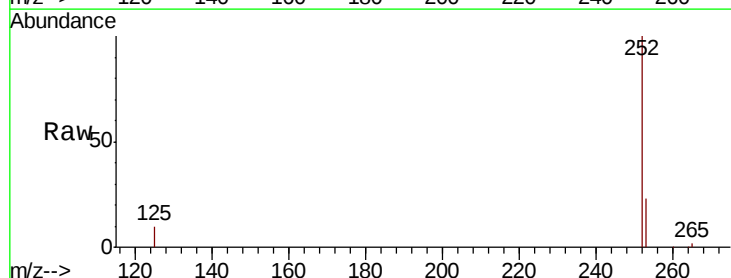
Tgt Ion:252 Resp: 271419

Ion Ratio Lower Upper

252 100

253 22.9 0.0 54.8

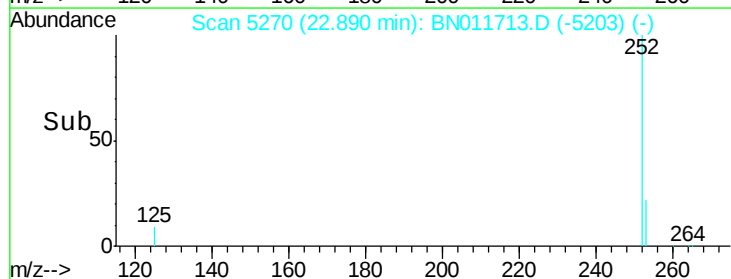
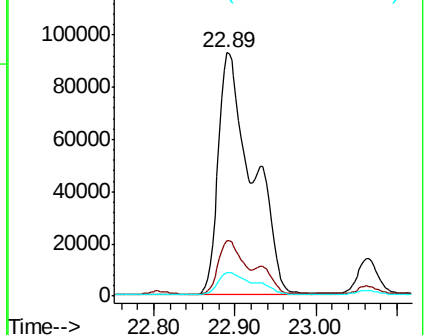
125 9.6 0.0 22.2

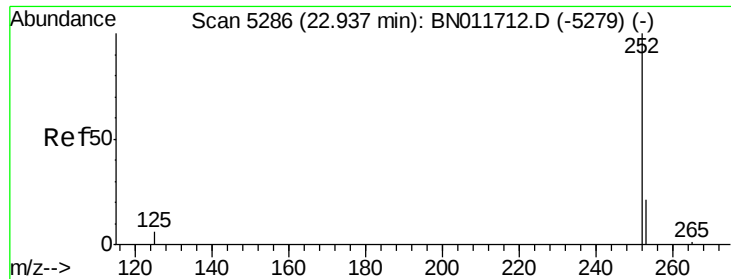


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.858 ng/ul

RT: 22.89 min Scan# 5270

Delta R.T. -0.05 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :

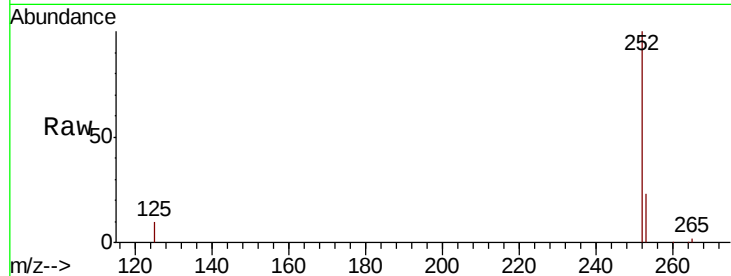
Tot Ion:252 Resp: 271419

Ion Ratio Lower Upper

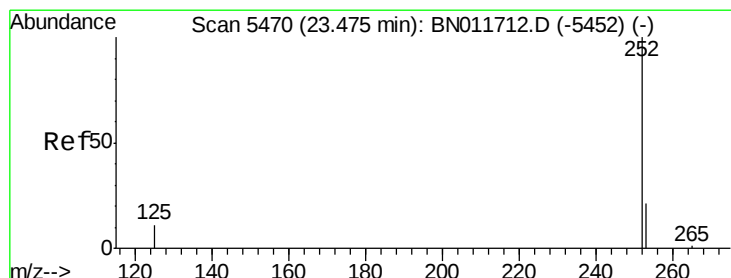
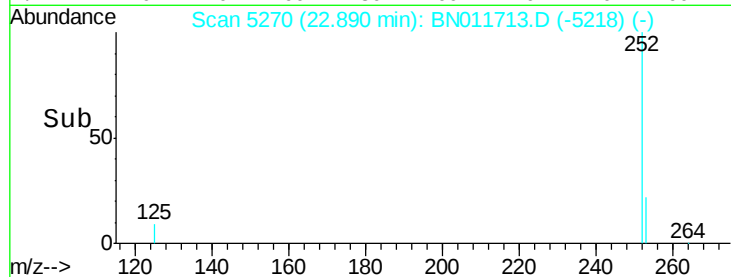
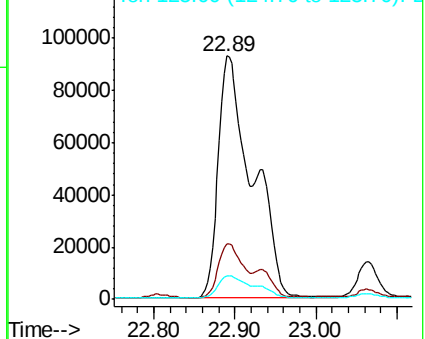
252 100

253 22.9 21.8 32.6

125 9.6 9.1 13.7



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: 3.376 ng/ul

RT: 23.47 min Scan# 5468

Delta R.T. -0.01 min

Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

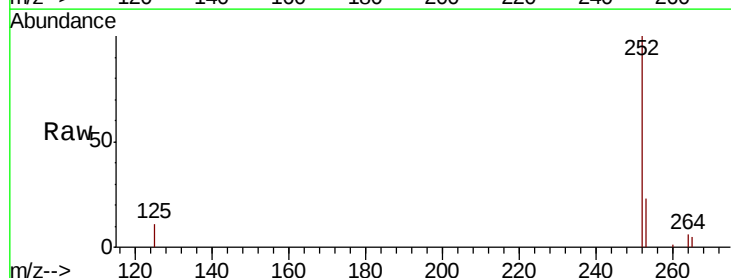
Tgt Ion:252 Resp: 118897

Ion Ratio Lower Upper

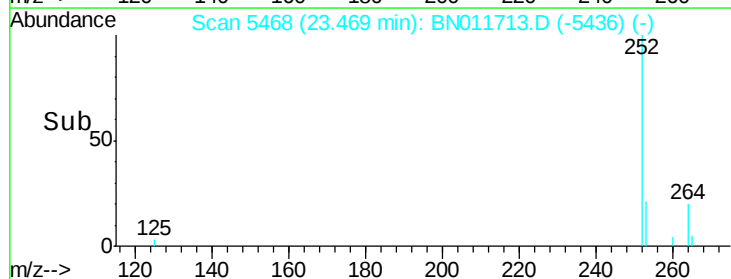
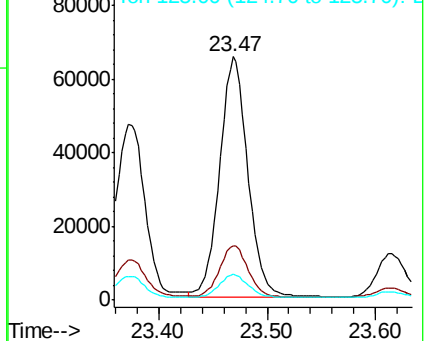
252 100

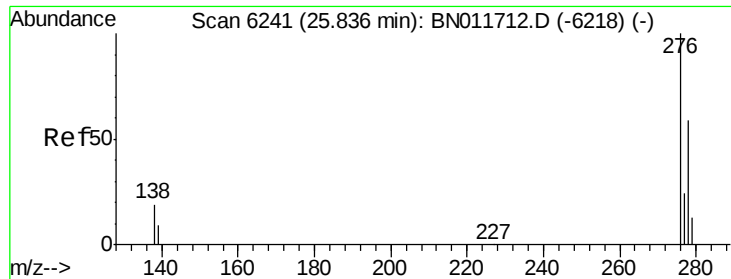
253 22.5 24.4 36.6#

125 10.6 11.1 16.7#



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



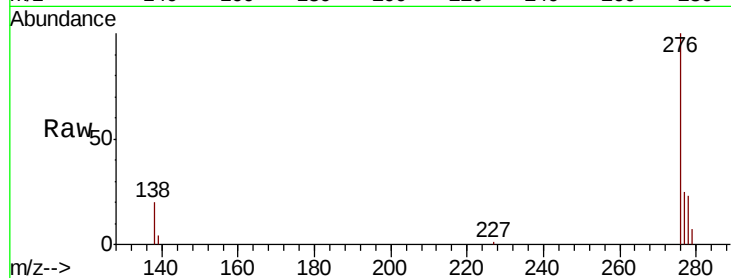


#24

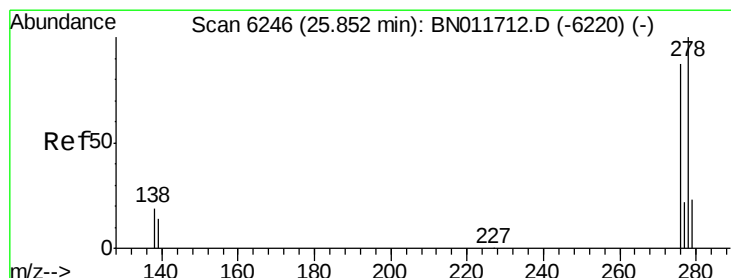
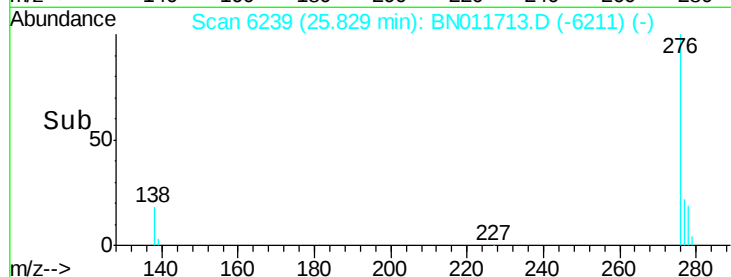
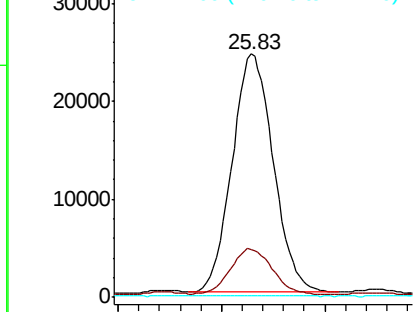
Indeno(1,2,3-cd)pyrene
Concen: 1.418 ng/ul
RT: 25.83 min Scan# 6239
Delta R.T. -0.01 min
Lab File: BN011713.D
Acq: 04 Sep 2020 22:59

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 67539
Ion Ratio Lower Upper
276 100
138 19.7 15.8 23.6
227 0.2 0.2 0.2



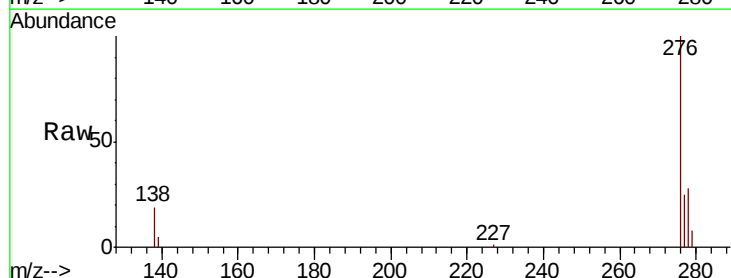
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



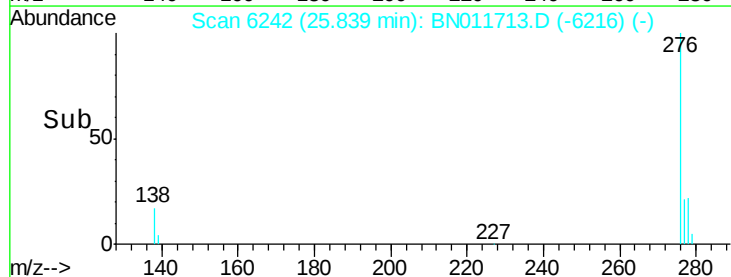
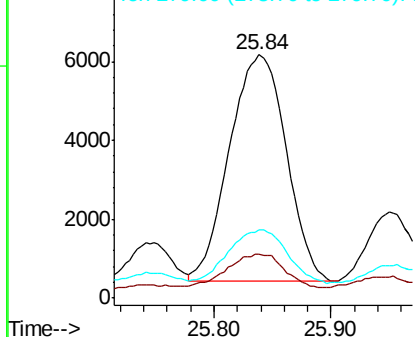
#25

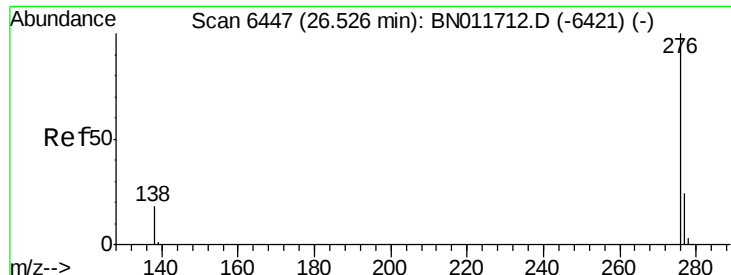
Dibenzo(a,h)anthracene
Concen: 0.497 ng/ul
RT: 25.84 min Scan# 6242
Delta R.T. -0.01 min
Lab File: BN011713.D
Acq: 04 Sep 2020 22:59

Tgt Ion:278 Resp: 19275
Ion Ratio Lower Upper
278 100
139 18.1 12.1 18.1
279 28.0 22.9 34.3



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: 1.279 ng/ul

RT: 26.52 min Scan# 6446

Delta R.T. -0.00 min

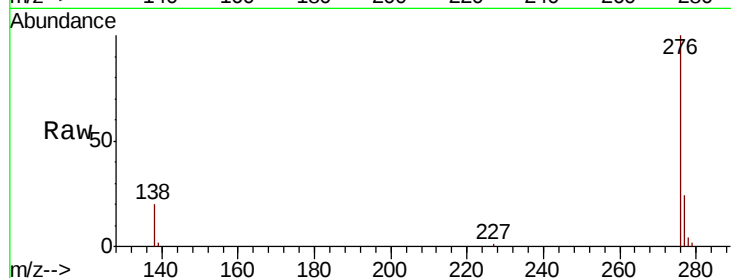
Lab File: BN011713.D

Acq: 04 Sep 2020 22:59

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 57015

Ion Ratio Lower Upper

276 100

138 20.0 15.8 23.6

277 24.2 20.6 31.0

Abundance Ion 276.00 (275.70 to 276.70): E
 25000 Ion 138.00 (137.70 to 138.70): E
 20000 Ion 277.00 (276.70 to 277.70): E

