

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
 Data File : BN012312.D
 Acq On : 18 Oct 2020 03:22
 Operator : CG/JU
 Sample : L4235-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS9

Quant Time: Oct 19 01:04:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 19 01:01:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	290075	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	1195549	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.24	164	733339	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	1522689	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	1482864	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	1552024	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	14079	2.24	ng/uL	0.00
5) Phenol-d5	6.78	99	301227	11.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	198541	12.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	241751	11.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	218376	10.43	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	124783	12.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	128393	11.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	232542	11.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	174540	6.95	ng/ul	0.00
44) Dimethylphthalate-d6	13.66	166	797055	13.39	ng/ul	0.00
47) Acenaphthylene-d8	13.93	160	986260	13.81	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	69987	6.16	ng/ul	0.00
58) Fluorene-d10	15.24	176	708255	13.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	77761	7.29	ng/ul	0.00
71) Anthracene-d10	17.09	188	1075548	14.38	ng/ul	0.00
79) Pyrene-d10	19.39	212	1181250	14.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	1265338	14.12	ng/ul	0.00

Target Compounds

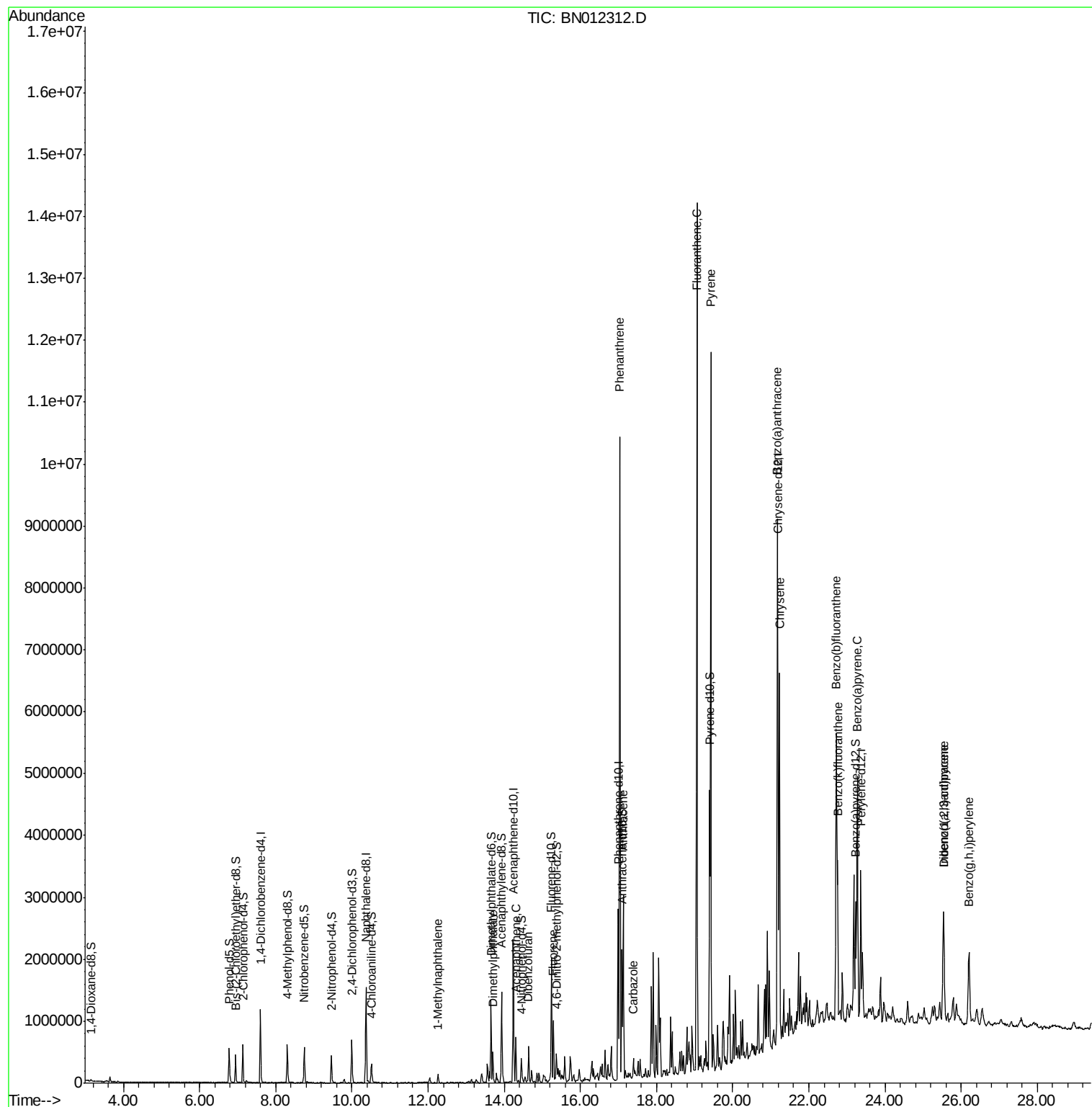
					Ovalue
35) 1-Methylnaphthalene	12.26	142	60225	1.274	ng/uL 99
45) Dimethylphthalate	13.70	163	289085	4.661	ng/ul 100
50) Acenaphthene	14.30	153	268113	5.115	ng/ul 100
54) Dibenzofuran	14.64	168	264654	3.710	ng/ul 93
59) Fluorene	15.29	166	384784	6.413	ng/ul 92
70) Phenanthrene	17.03	178	5910903	63.131	ng/ul 100
72) Anthracene	17.12	178	1706147	18.111	ng/ul 98
75) Carbazole	17.39	167	156860	1.878	ng/ul 94
77) Fluoranthene	19.06	202	7950015	74.029	ng/ul 99
80) Pyrene	19.42	202	6645530	59.284	ng/ul 99
83) Benzo(a)anthracene	21.17	228	3477616	34.176	ng/ul 97
85) Chrysene	21.23	228	2968239	29.761	ng/ul 98
88) Benzo(b)fluoranthene	22.72	252	3356361	30.790	ng/ul 98
89) Benzo(k)fluoranthene	22.76	252	1187604	11.221	ng/ul 99
91) Benzo(a)pyrene	23.27	252	2494040	24.963	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.53	276	1559517	12.255	ng/ul 94
93) Dibenzo(a,h)anthracene	25.54	278	458574	4.262	ng/ul# 95
94) Benzo(g,h,i)perylene	26.20	276	1264592	11.946	ng/ul 98

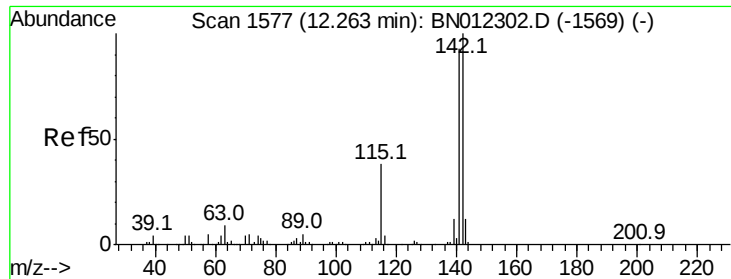
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#35

1-Methylnaphthalene

Concen: 1.274 ng/uL

RT: 12.26 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

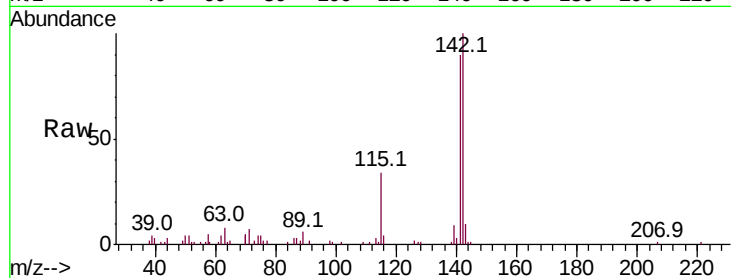
Tot Ion:142 Resp: 60225

Ion Ratio Lower Upper

142 100

141 92.0 74.5 111.7

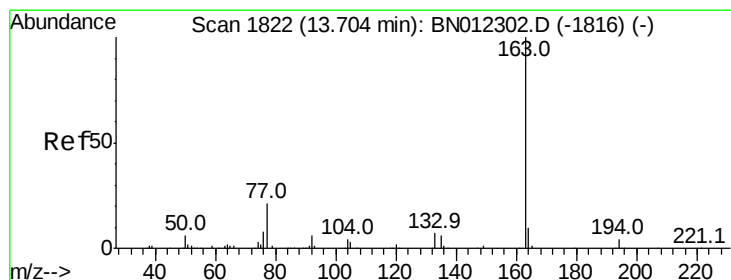
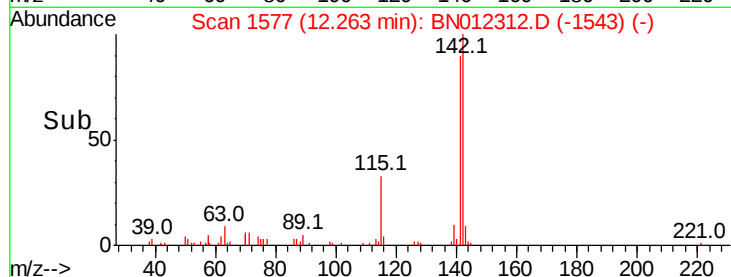
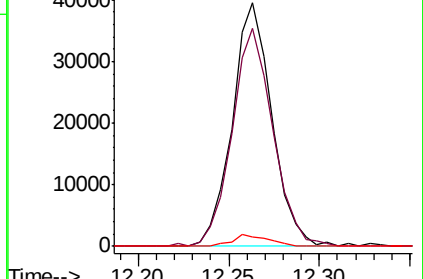
116 4.2 3.4 5.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 4.661 ng/uL

RT: 13.70 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

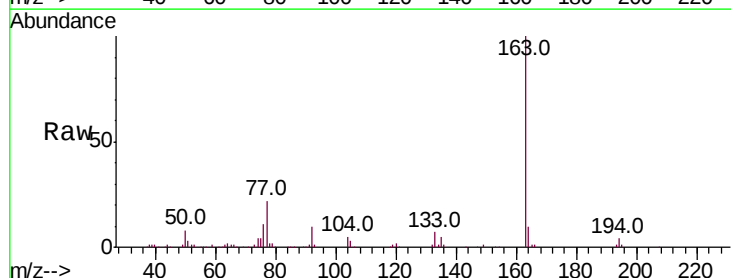
Tgt Ion:163 Resp: 289085

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

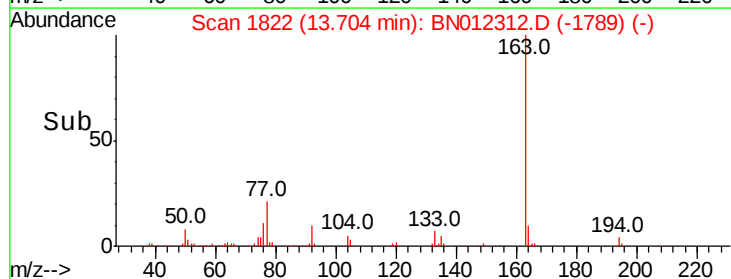
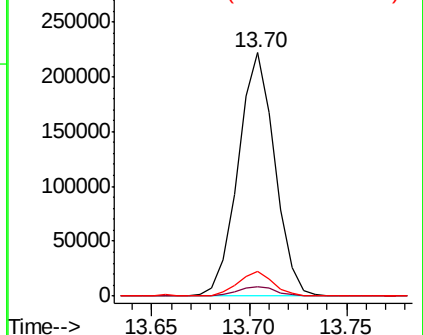
164 9.9 7.9 11.9

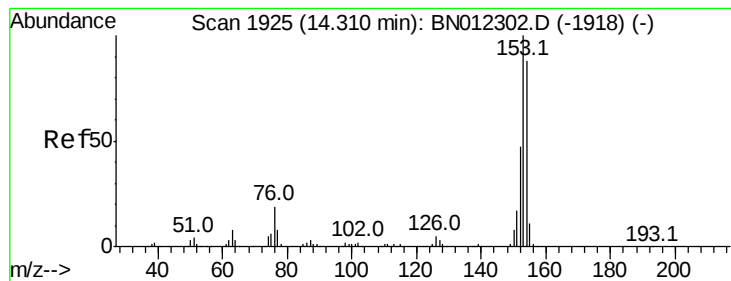


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 5.115 ng/ul

RT: 14.30 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

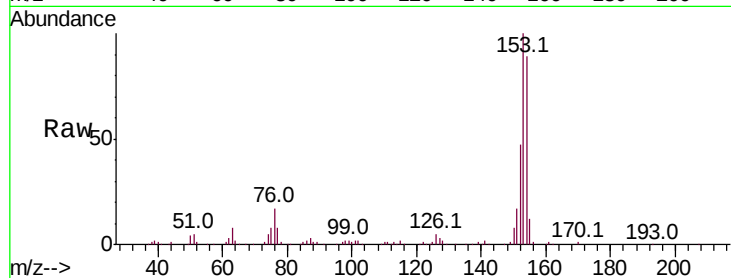
Tot Ion:153 Resp: 268113

Ion Ratio Lower Upper

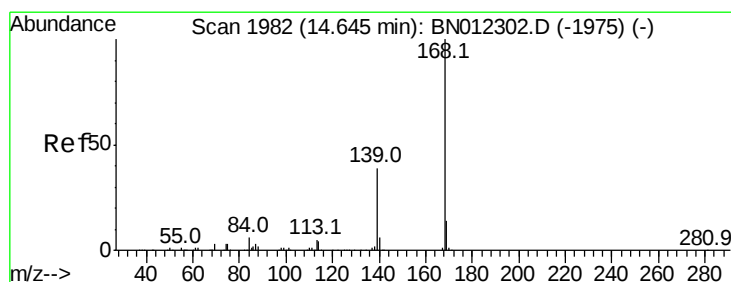
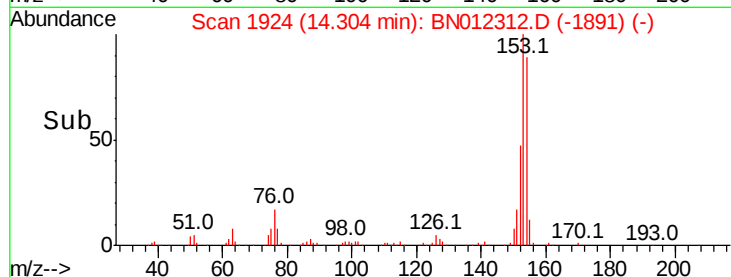
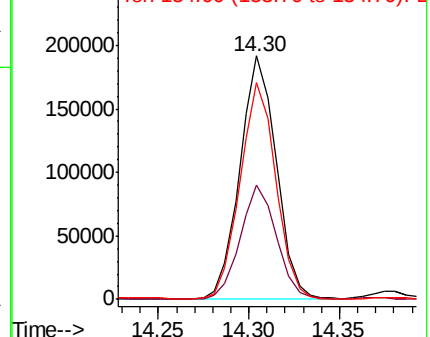
153 100

152 46.9 37.7 56.5

154 89.2 71.6 107.4



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



#54

Dibenzofuran

Concen: 3.710 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BN012312.D

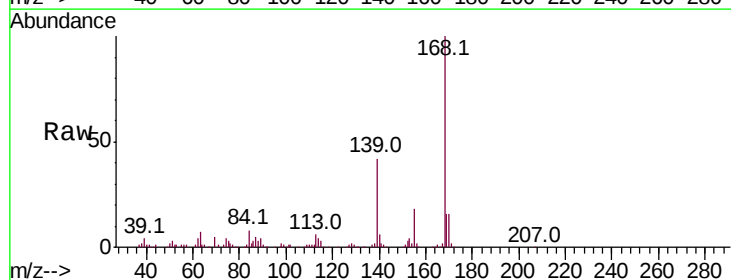
Acq: 18 Oct 2020 03:22

Tgt Ion:168 Resp: 264654

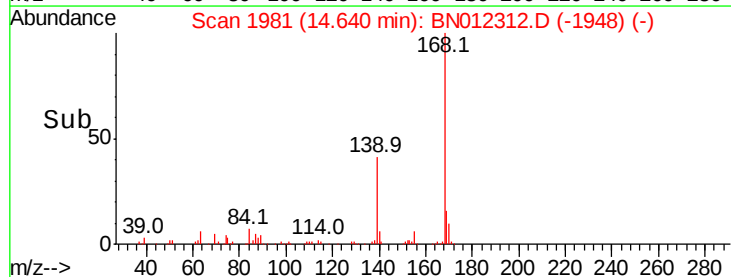
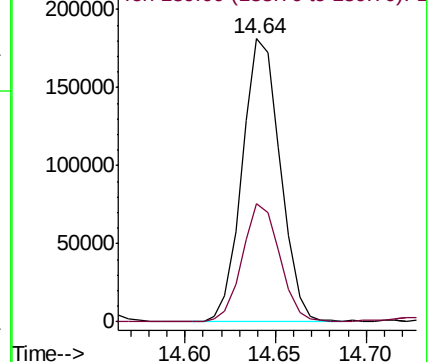
Ion Ratio Lower Upper

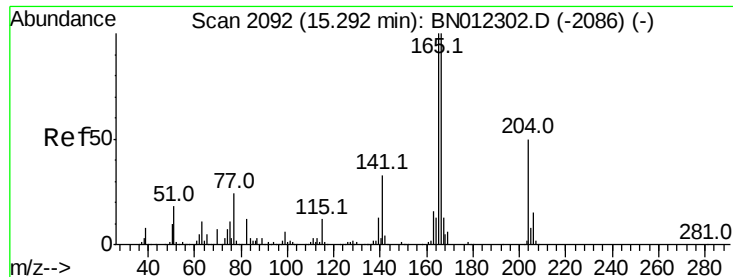
168 100

139 41.9 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 6.413 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

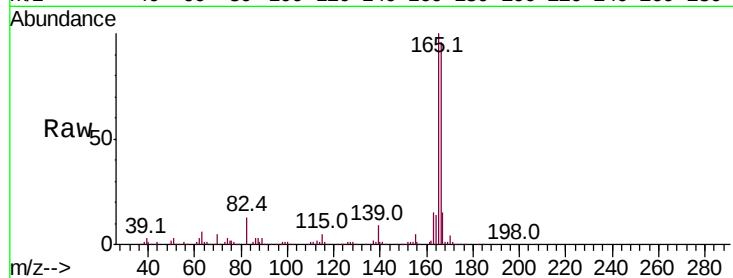
Tot Ion:166 Resp: 384784

Ion Ratio Lower Upper

166 100

165 104.7 77.3 115.9

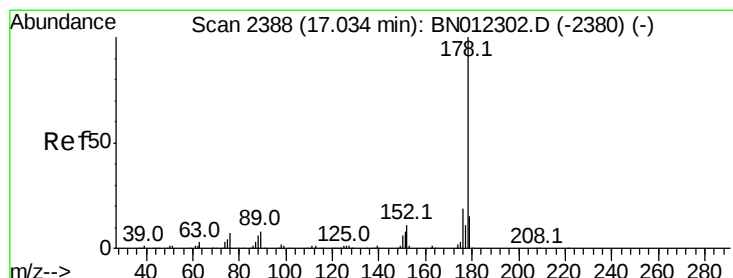
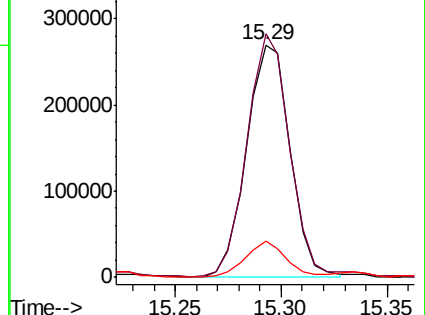
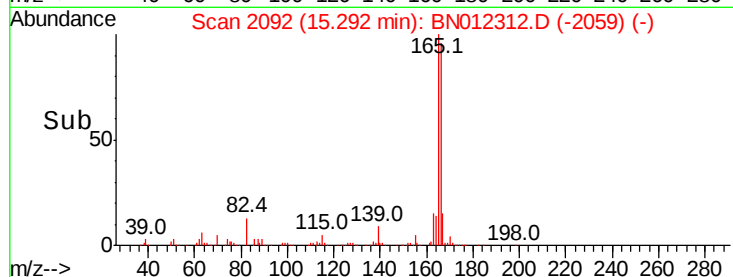
167 15.4 11.3 16.9



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



#70

Phenanthrene

Concen: 63.131 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

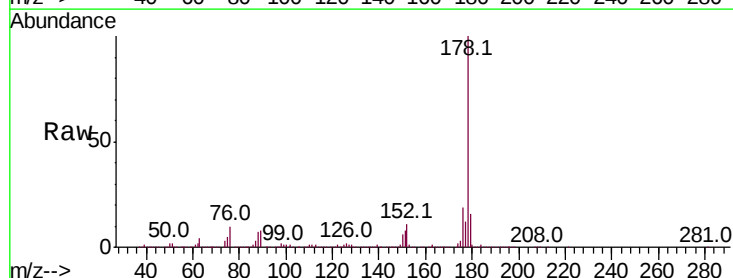
Tgt Ion:178 Resp: 5910903

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

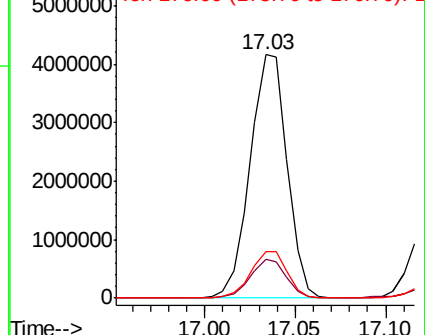
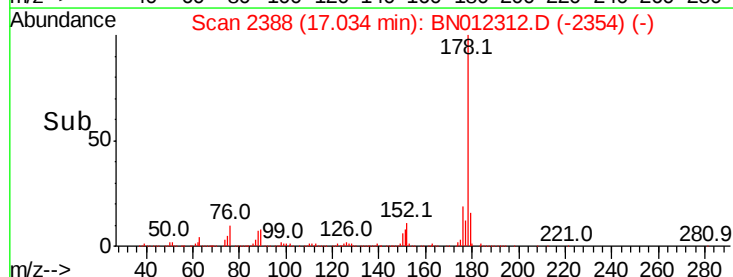
176 19.0 15.3 22.9

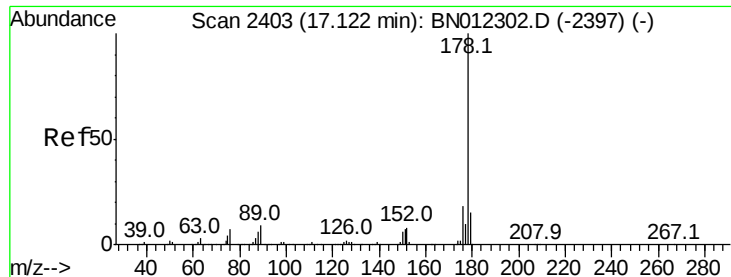


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 18.111 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

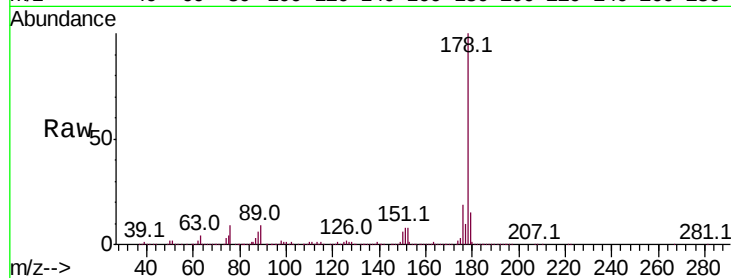
Tot Ion:178 Resp: 1706147

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

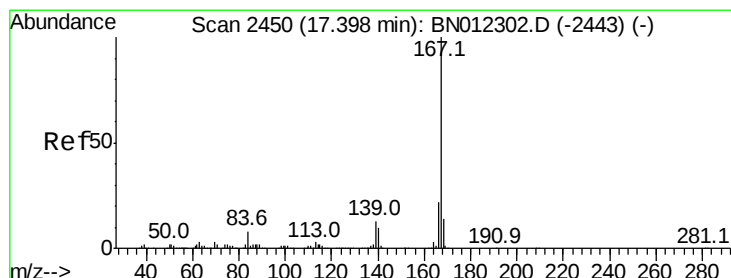
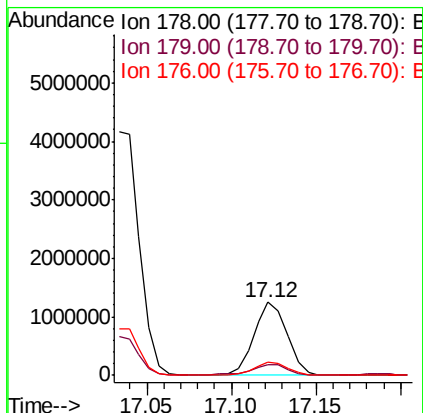
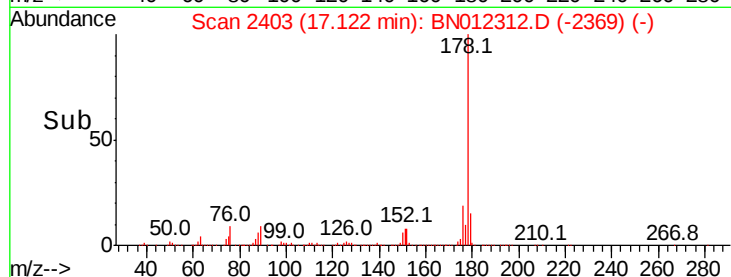
176 18.6 14.6 22.0



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



#75

Carbazole

Concen: 1.878 ng/ul

RT: 17.39 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

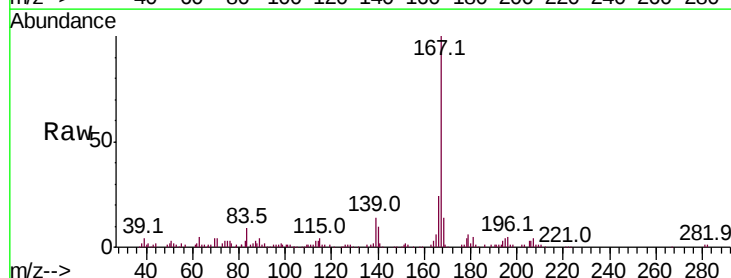
Tgt Ion:167 Resp: 156860

Ion Ratio Lower Upper

167 100

166 24.3 16.8 25.2

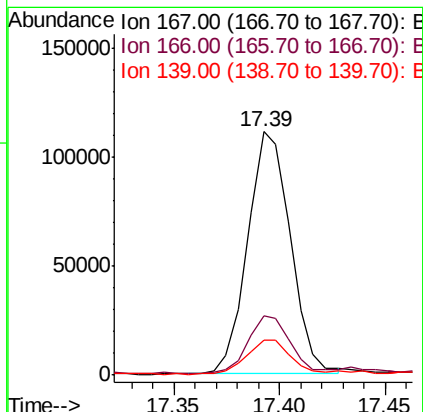
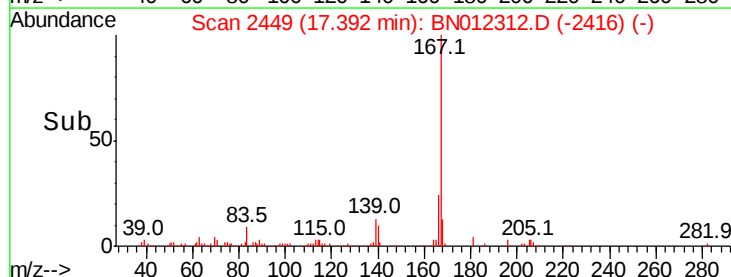
139 14.1 10.3 15.5

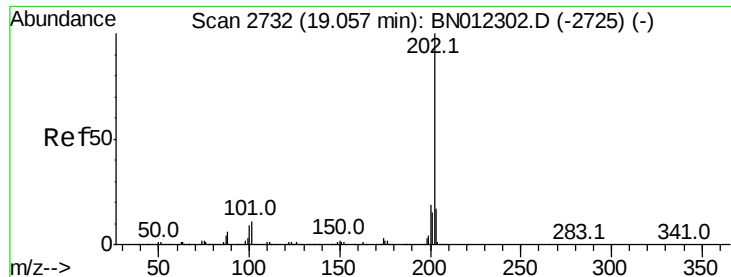


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

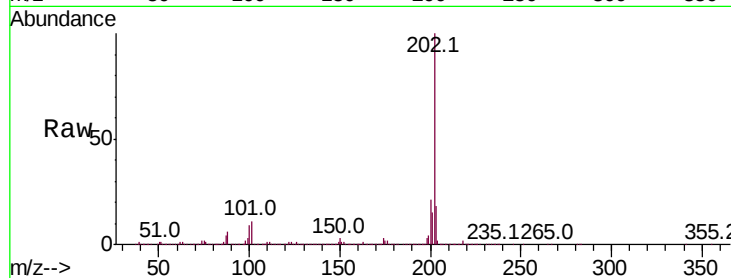




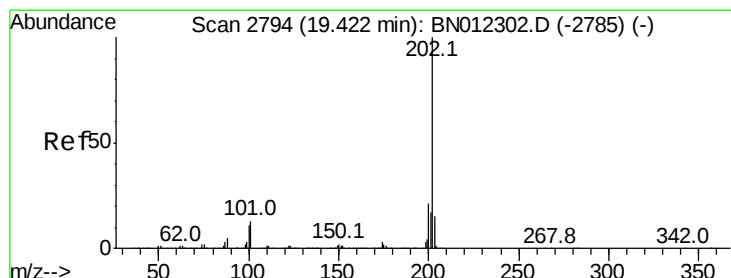
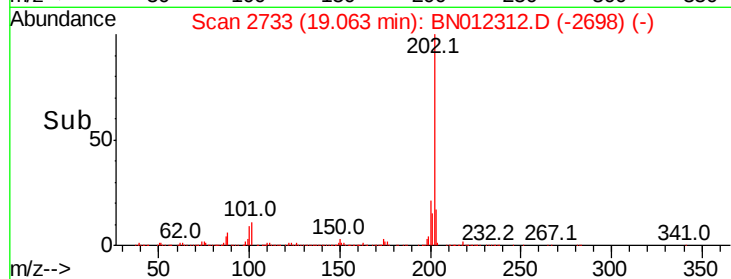
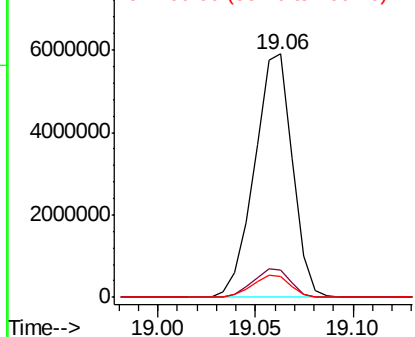
#77
 Fluoranthene
 Concen: 74.029 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BN012312.D
 Acq: 18 Oct 2020 03:22

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Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.7	13.1
100	8.6	6.9	10.3

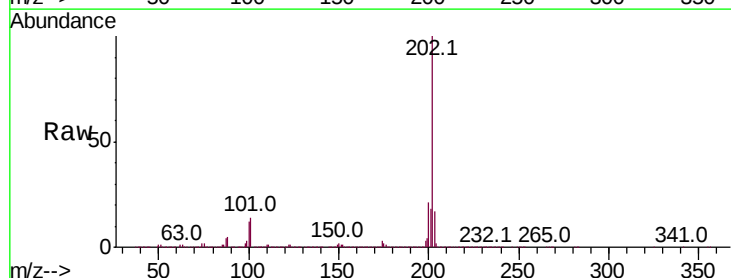


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

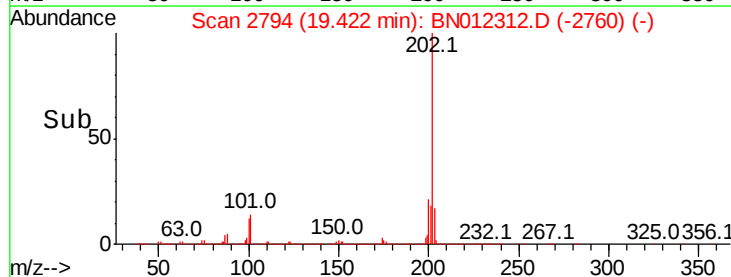
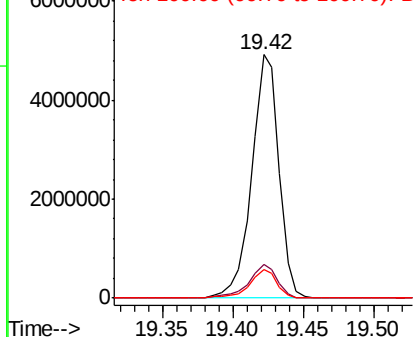


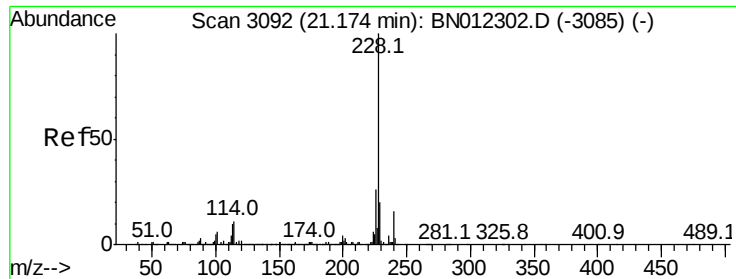
#80
 Pyrene
 Concen: 59.284 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: BN012312.D
 Acq: 18 Oct 2020 03:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.2	16.8
100	11.7	8.9	13.3



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





#83

Benzo(a)anthracene

Concen: 34.176 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

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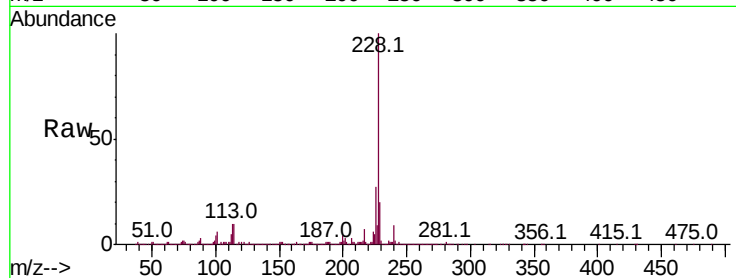
Tot Ion:228 Resp: 3477616

Ion Ratio Lower Upper

228 100

229 19.7 15.9 23.9

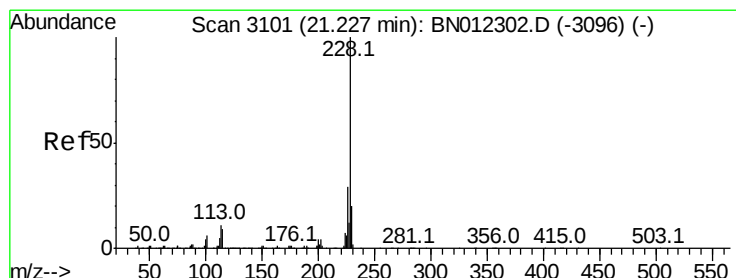
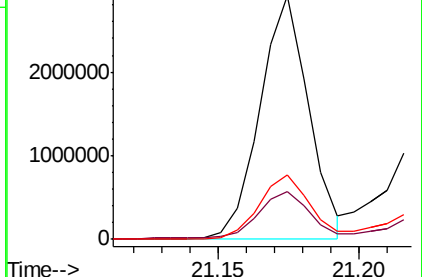
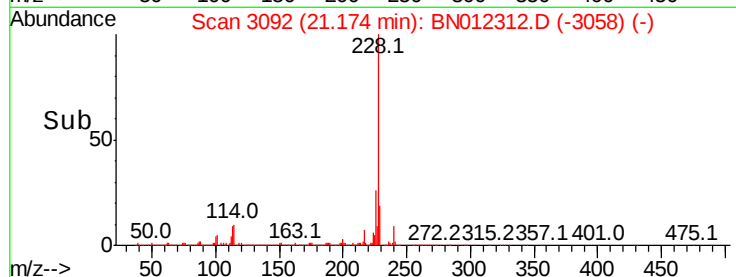
226 26.6 23.5 35.3



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



#85

Chrysene

Concen: 29.761 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

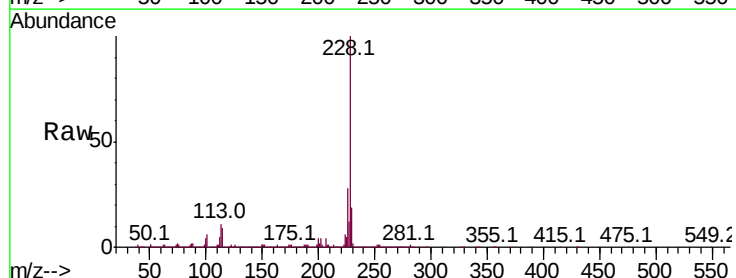
Tgt Ion:228 Resp: 2968239

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.6

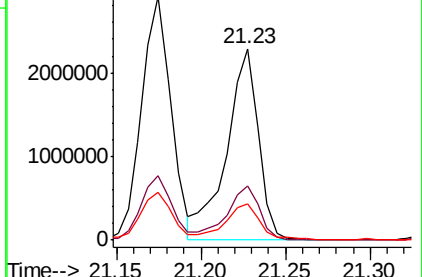
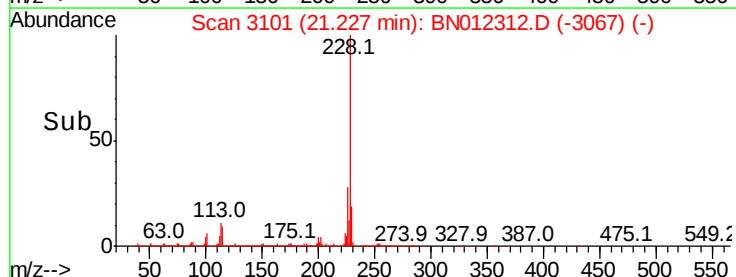
229 19.0 14.6 21.8

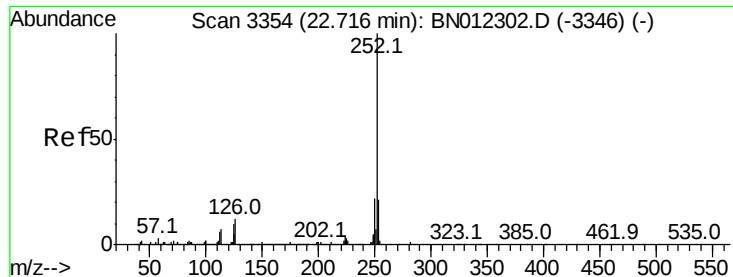


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 30.790 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

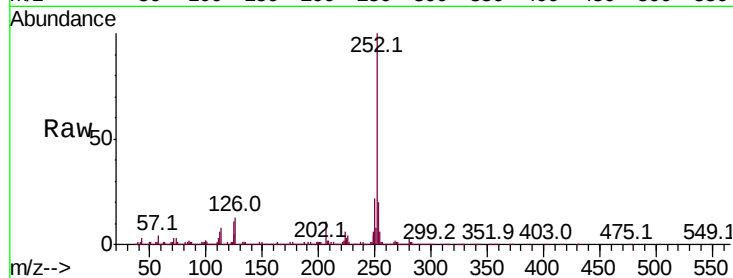
Tot Ion:252 Resp: 3356361

Ion Ratio Lower Upper

252 100

253 20.5 17.3 25.9

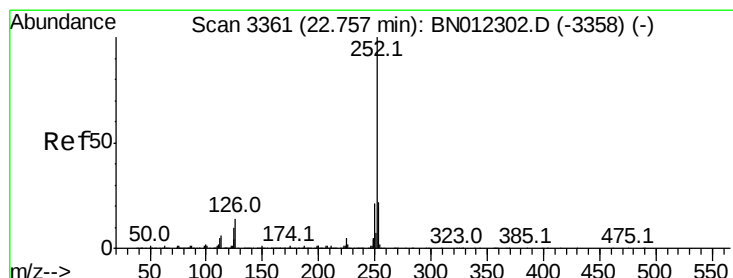
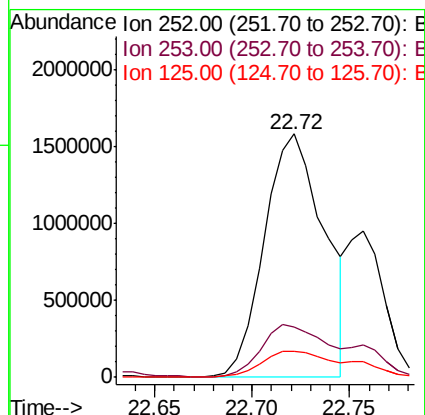
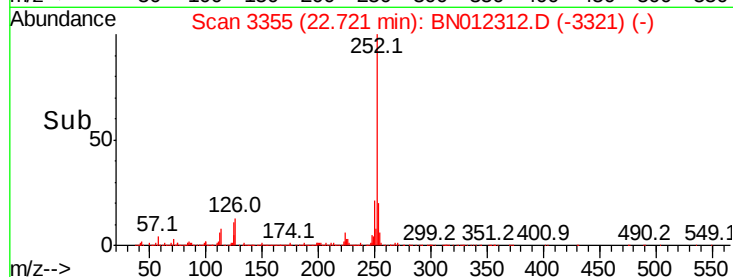
125 10.9 7.9 11.9



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



#89

Benzo(k)fluoranthene

Concen: 11.221 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

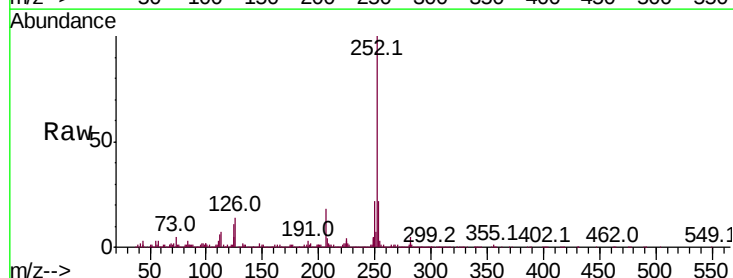
Tgt Ion:252 Resp: 1187604

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

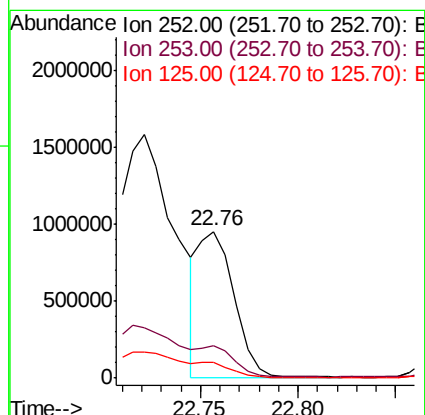
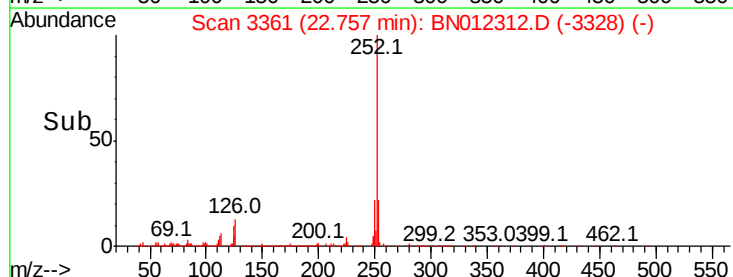
125 10.5 7.6 11.4

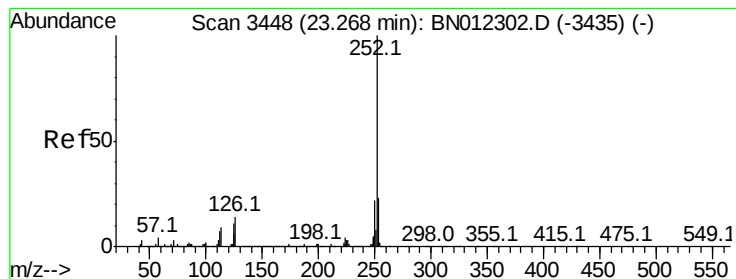


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 24.963 ng/ul

RT: 23.27 min Scan# 3449

Delta R.T. 0.00 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

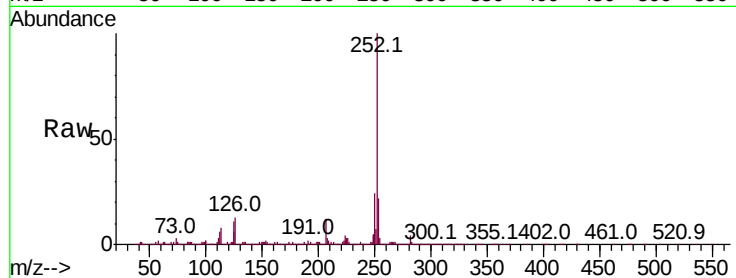
Tot Ion:252 Resp: 2494040

Ion Ratio Lower Upper

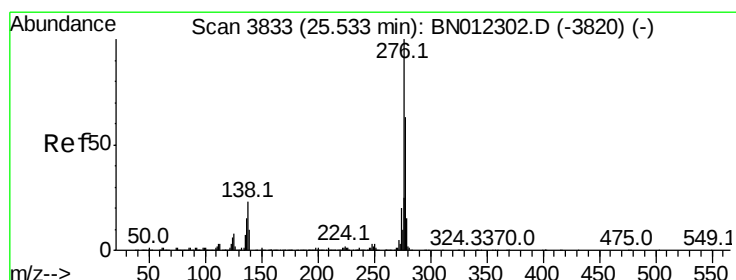
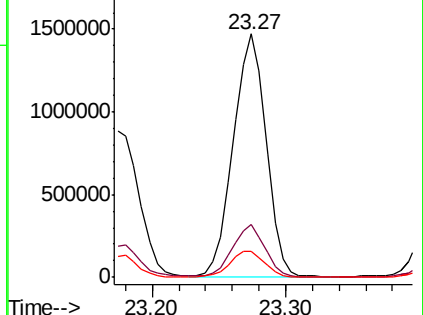
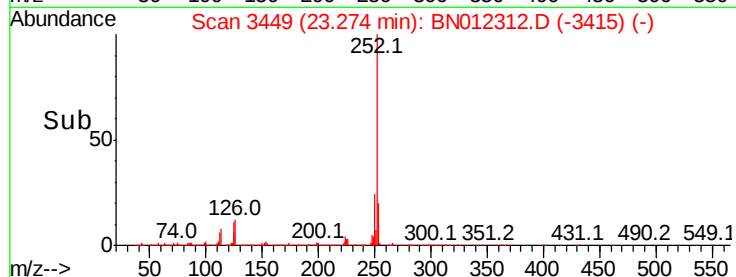
252 100

253 21.7 18.2 27.4

125 10.8 9.3 13.9



Abundance Ion 252.00 (251.70 to 252.70): E
2000000
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 12.255 ng/ul

RT: 25.53 min Scan# 3833

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

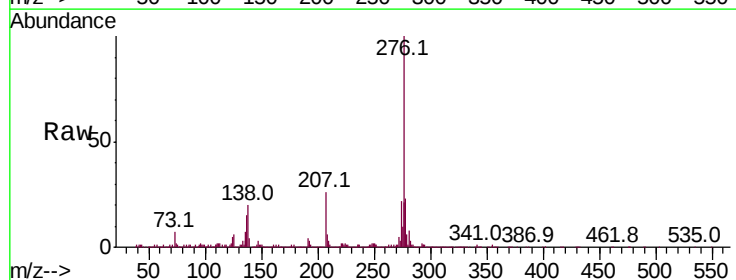
Tgt Ion:276 Resp: 1559517

Ion Ratio Lower Upper

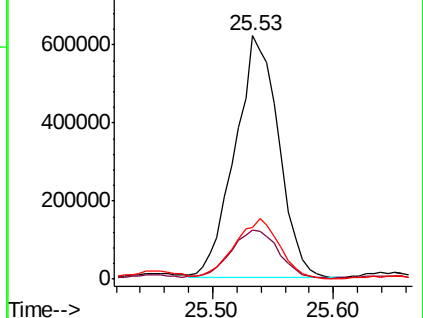
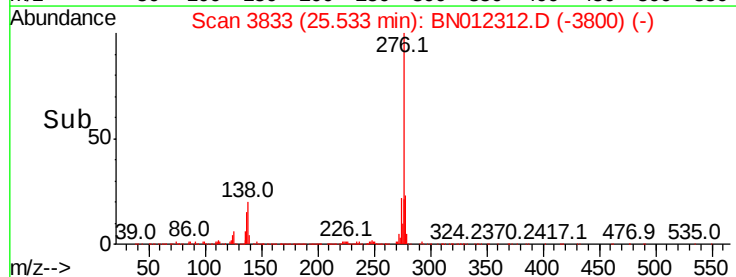
276 100

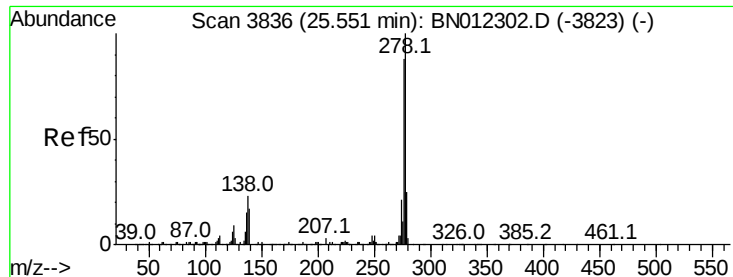
138 20.4 17.8 26.6

277 21.2 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E
800000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 4.262 ng/ul

RT: 25.54 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Instrument :

BNA_N

ClientSampleId :

C0AS9

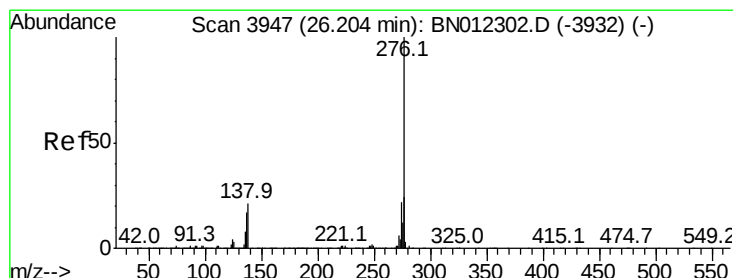
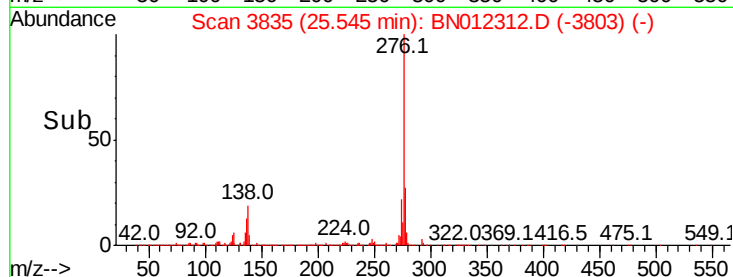
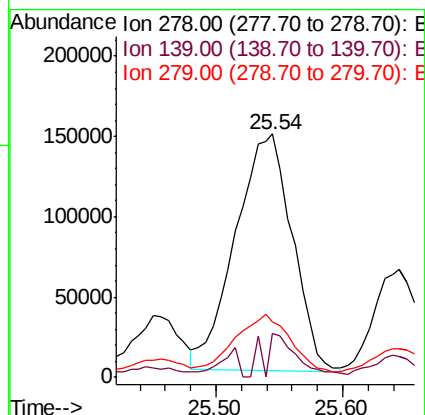
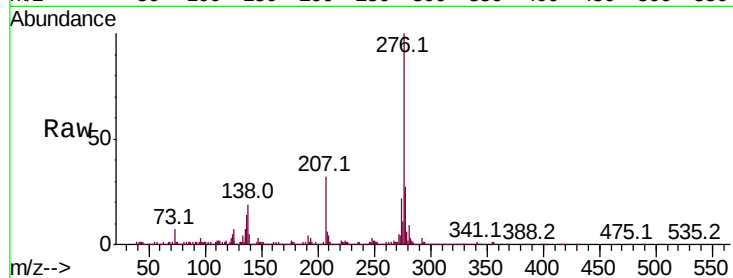
Tot Ion:278 Resp: 458574

Ion Ratio Lower Upper

278 100

139 18.0 11.8 17.6#

279 22.9 17.0 25.4



#94

Benzo(g,h,i)perylene

Concen: 11.946 ng/ul

RT: 26.20 min Scan# 3947

Delta R.T. -0.01 min

Lab File: BN012312.D

Acq: 18 Oct 2020 03:22

Tgt Ion:276 Resp: 1264592

Ion Ratio Lower Upper

276 100

138 20.7 16.8 25.2

277 20.2 17.6 26.4

