

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
 Data File : BN007689.D
 Acq On : 17 Sep 2019 06:02
 Operator : HP/JU
 Sample : K4633-09DL 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 17 08:26:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 16 18:09:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	612851	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	2581126	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1623722	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	3319621	20.00	ng/ul	0.00
77) Chrysene-d12	21.27	240	3112349	20.00	ng/ul	0.00
85) Perylene-d12	23.50	264	3490511	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	1867	0.12	ng/uL	0.01
5) Phenol-d5	6.88	99	77909	1.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	41062	1.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	63000	1.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	55460	1.25	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	29246	1.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	26905	1.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	66891	1.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	60886	1.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	217332	1.68	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	244378	1.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	19166	0.83	ng/ul	0.00
57) Fluorene-d10	15.33	176	192157	1.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	5832	0.33	ng/ul	0.01
70) Anthracene-d10	17.17	188	306808	1.86	ng/ul	0.00
78) Pyrene-d10	19.47	212	320263	1.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.36	264	328160	1.81	ng/ul	0.00

Target Compounds

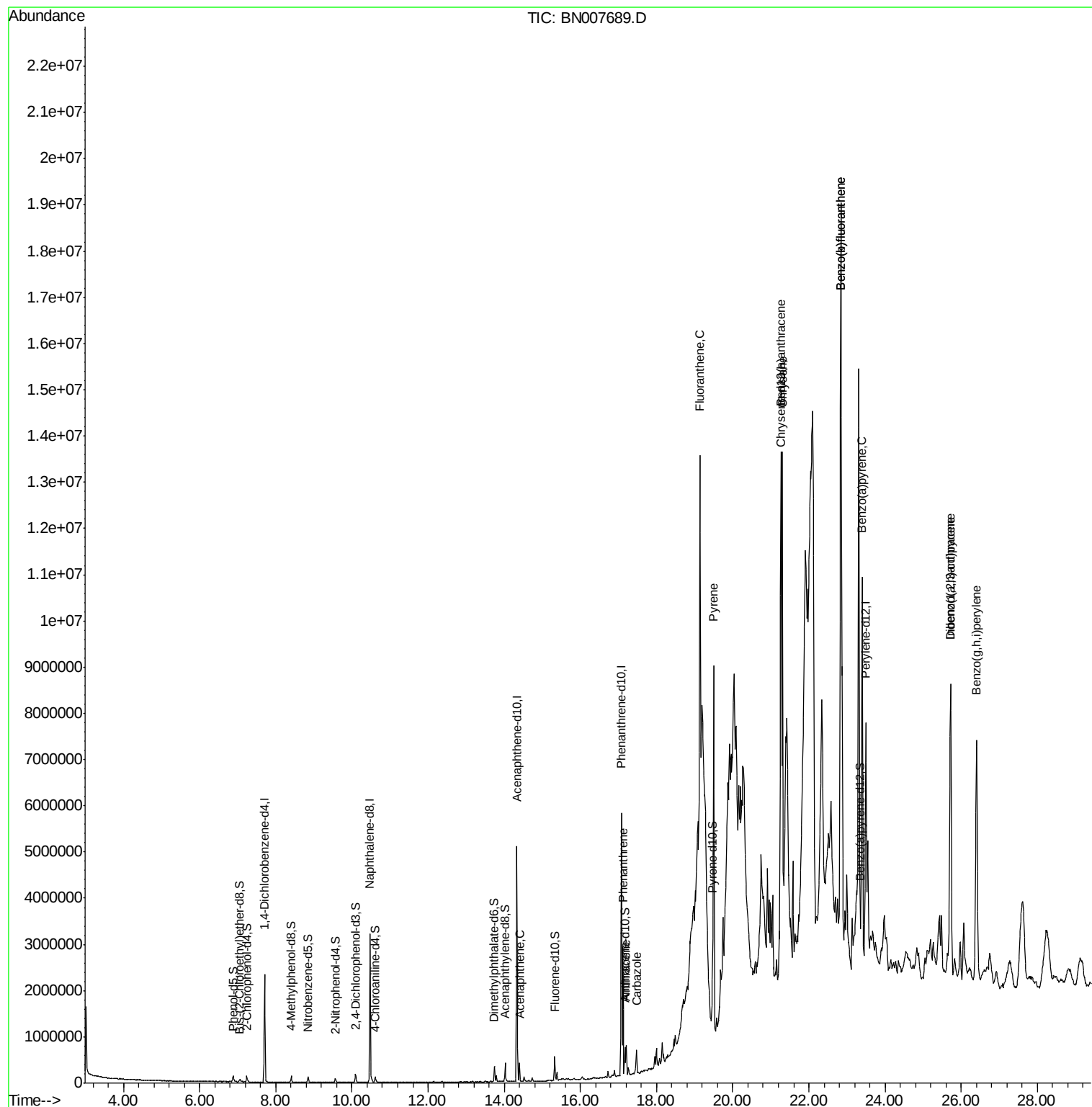
					Ovalue	
49) Acenaphthene	14.40	153	155246	1.416	ng/ul	98
69) Phenanthrene	17.12	178	1584464	8.049	ng/ul	99
71) Anthracene	17.20	178	409134	2.076	ng/ul	98
74) Carbazole	17.47	167	314294	1.886	ng/ul	99
76) Fluoranthene	19.14	202	4678845	21.667	ng/ul	98
79) Pyrene	19.50	202	4804563	23.183	ng/ul	97
82) Benzo(a)anthracene	21.26	228	4270903	19.258	ng/ul	97
84) Chrysene	21.31	228	6121112	29.665	ng/ul	97
87) Benzo(b)fluoranthene	22.84	252	13159043	58.295	ng/ul	97
88) Benzo(k)fluoranthene	22.84	252	13159043	59.987	ng/ul	97
90) Benzo(a)pyrene	23.40	252	5540314	25.387	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.73	276	5918005	23.081	ng/ul	96
92) Dibenzo(a,h)anthracene	25.72	278	1956425	9.148	ng/ul#	84
93) Benzo(g,h,i)perylene	26.40	276	6012573	28.604	ng/ul	99

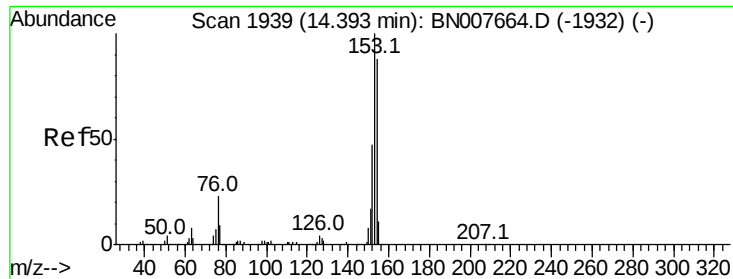
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091619\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 16 18:09:41 2019
Response via : Initial Calibration





#49

Acenaphthene

Concen: 1.416 ng/ul

RT: 14.40 min Scan# 1940

Delta R.T. 0.01 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

Instrument :

BNA_N

ClientSampleId :

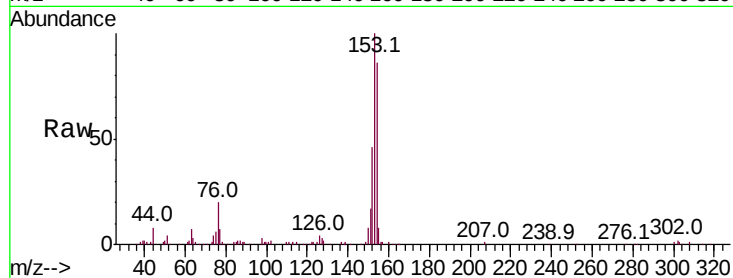
Tot Ion:153 Resp: 155246

Ion Ratio Lower Upper

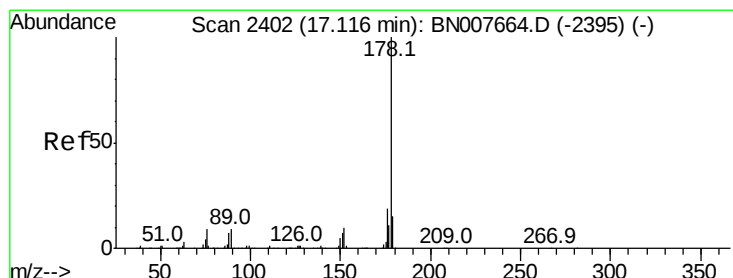
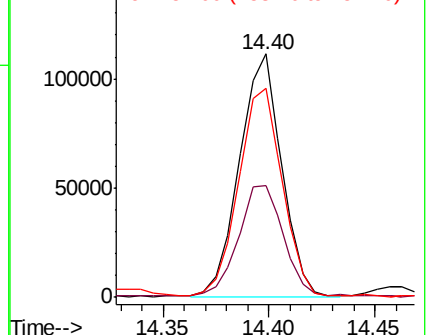
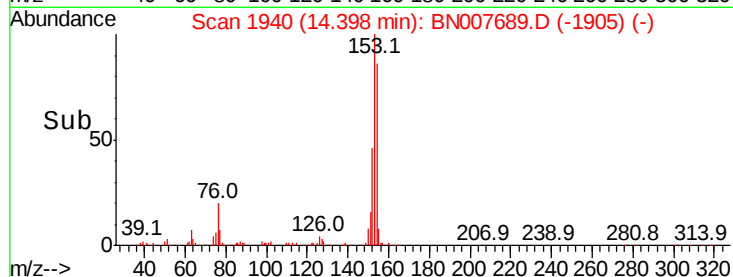
153 100

152 46.0 37.8 56.8

154 85.9 70.3 105.5



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



#69

Phenanthrene

Concen: 8.049 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

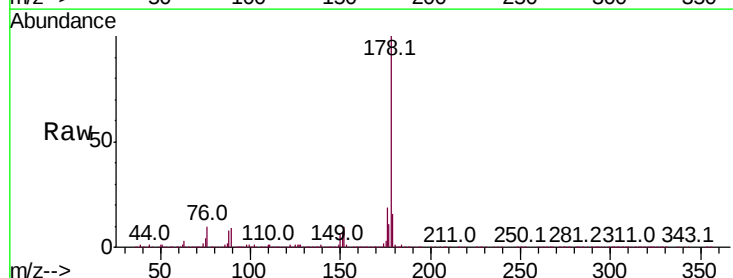
Tgt Ion:178 Resp: 1584464

Ion Ratio Lower Upper

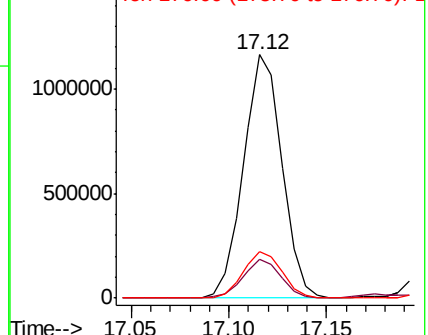
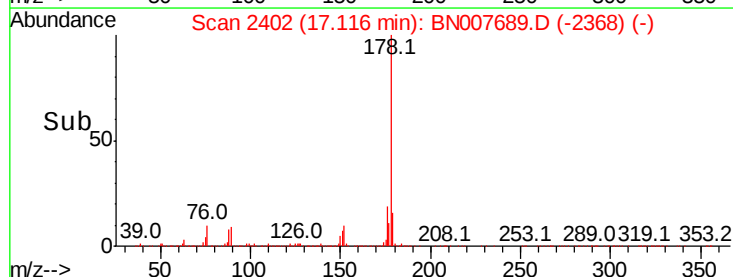
178 100

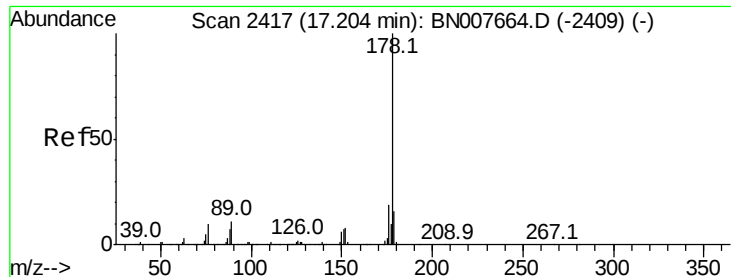
179 15.9 11.9 17.9

176 19.1 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

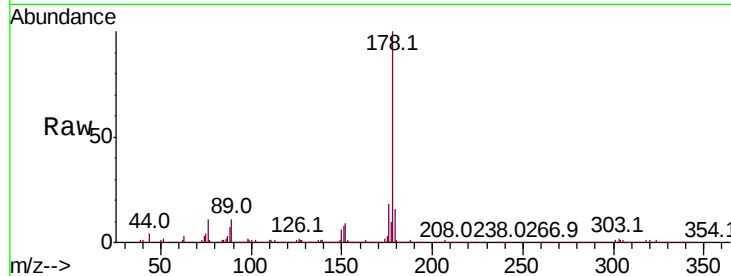




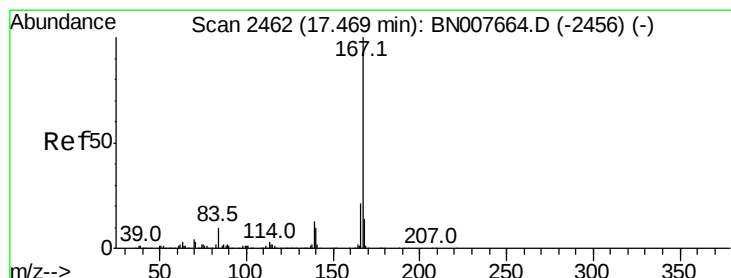
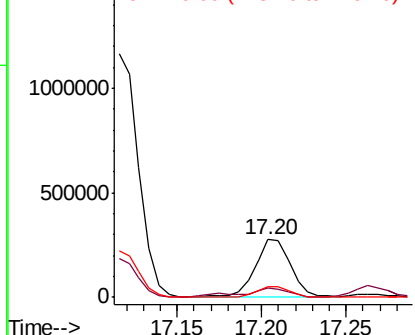
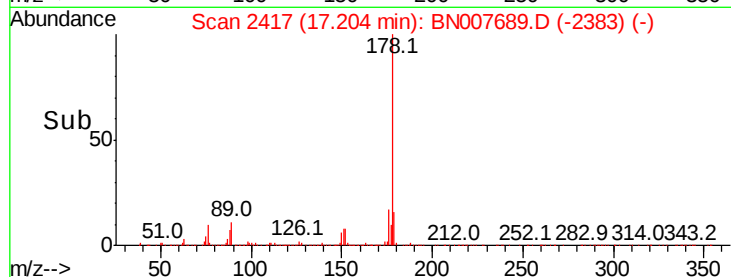
#71
 Anthracene
 Concen: 2.076 ng/ul
 RT: 17.20 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BN007689.D
 Acq: 17 Sep 2019 06:02

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:178 Resp: 409134
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.7 19.1
 176 17.5 15.1 22.7

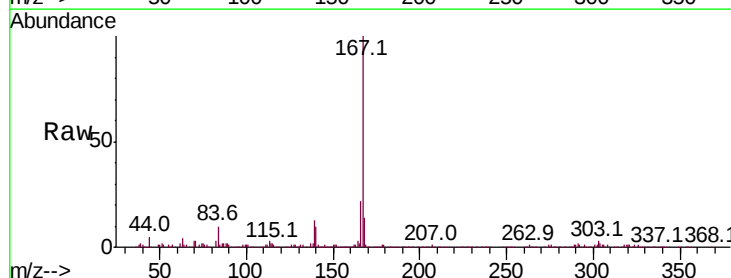


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

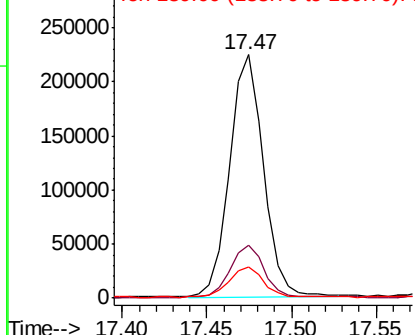
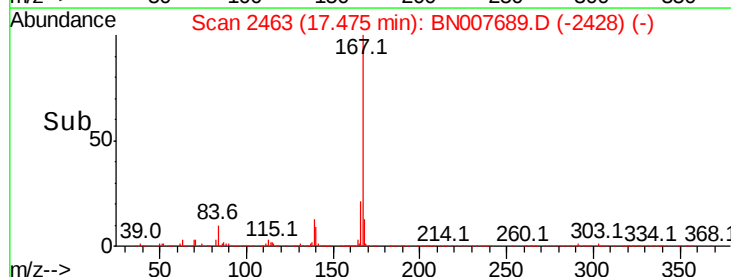


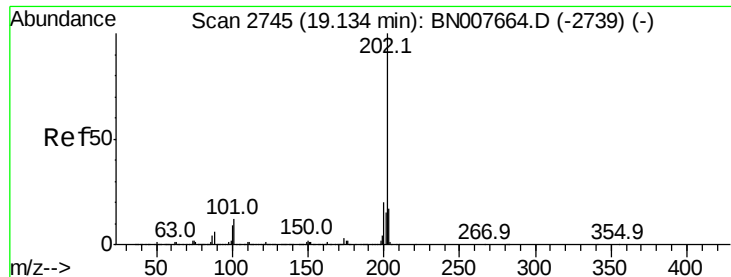
#74
 Carbazole
 Concen: 1.886 ng/ul
 RT: 17.47 min Scan# 2463
 Delta R.T. 0.01 min
 Lab File: BN007689.D
 Acq: 17 Sep 2019 06:02

Tgt Ion:167 Resp: 314294
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.4
 139 12.9 10.1 15.1



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

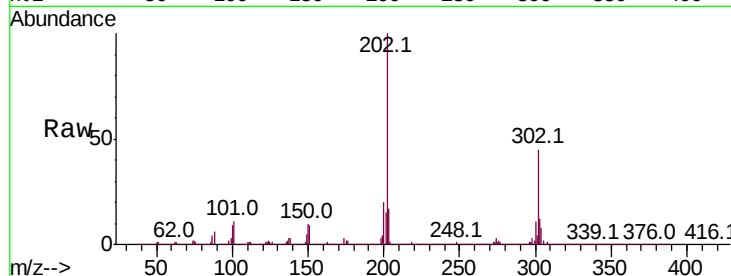




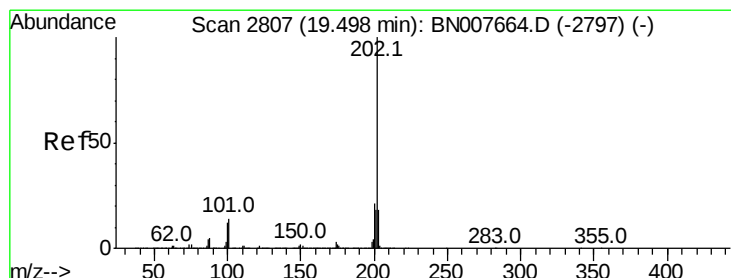
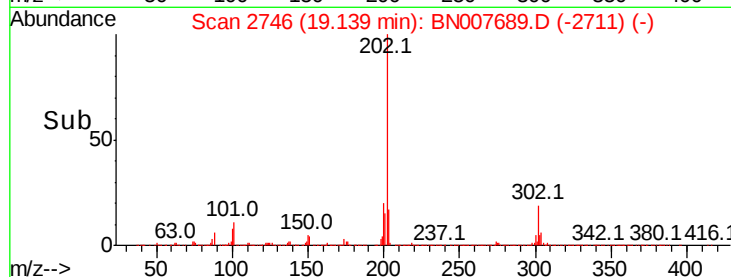
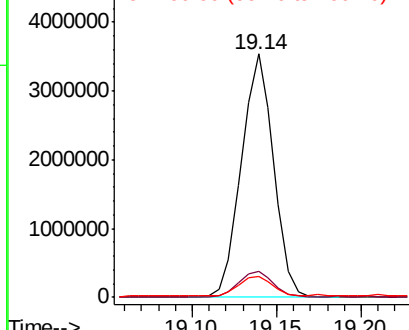
#76
Fluoranthene
Concen: 21.667 ng/ul
RT: 19.14 min Scan# 2746
Delta R.T. 0.01 min
Lab File: BN007689.D
Acq: 17 Sep 2019 06:02

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 4678845
Ion Ratio Lower Upper
202 100
101 10.8 9.4 14.2
100 8.8 7.1 10.7

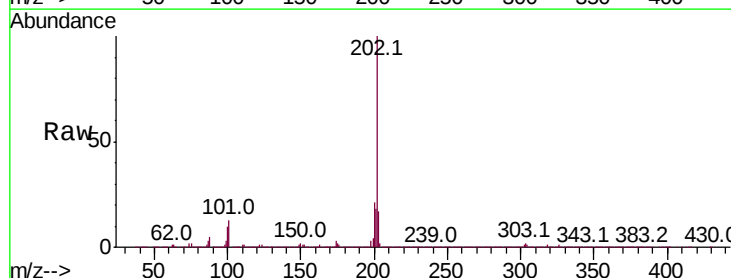


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

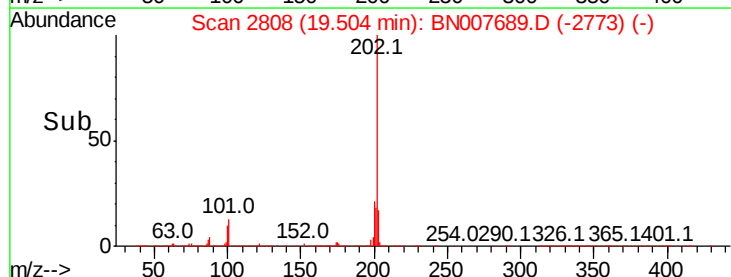
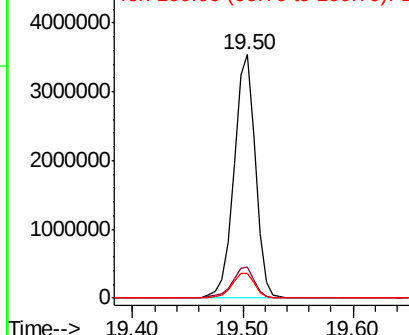


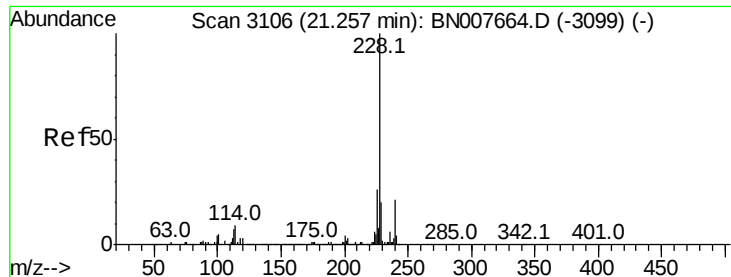
#79
Pyrene
Concen: 23.183 ng/ul
RT: 19.50 min Scan# 2808
Delta R.T. 0.01 min
Lab File: BN007689.D
Acq: 17 Sep 2019 06:02

Tgt Ion:202 Resp: 4804563
Ion Ratio Lower Upper
202 100
101 12.8 11.2 16.8
100 10.3 9.4 14.0



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





#82

Benzo(a)anthracene

Concen: 19.258 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

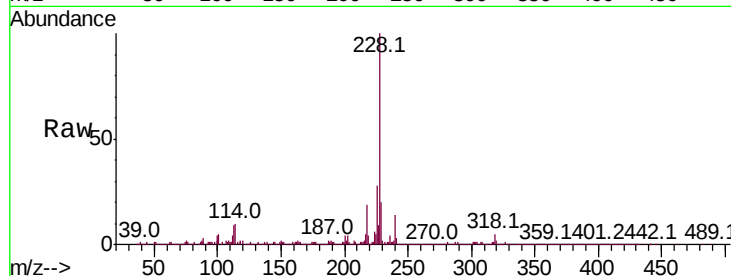
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 4270903

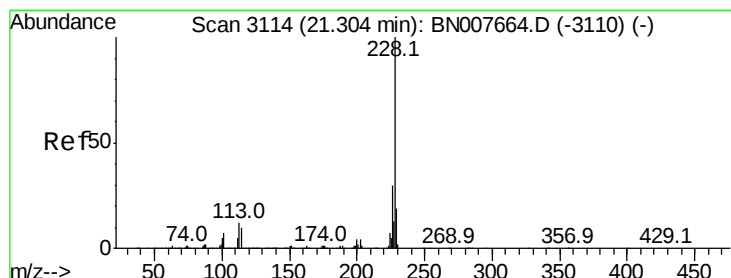
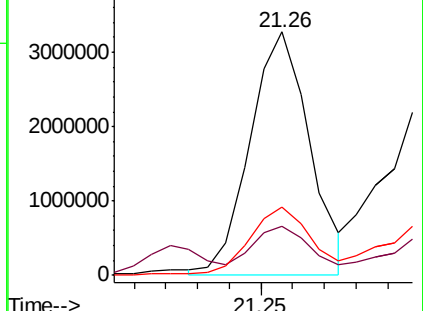
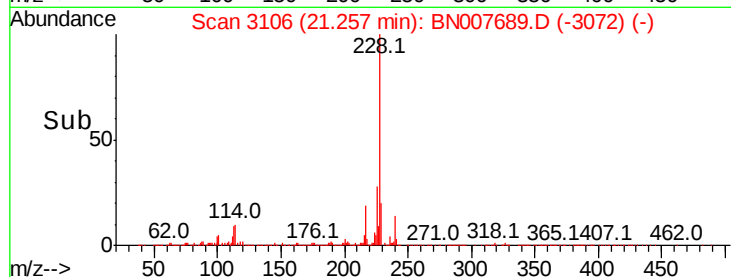
Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	28.2	20.9	31.3



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



#84

Chrysene

Concen: 29.665 ng/ul

RT: 21.31 min Scan# 3115

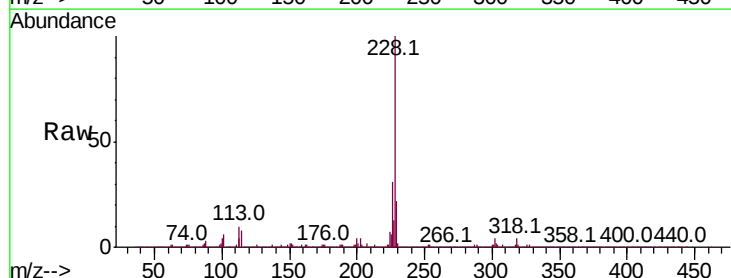
Delta R.T. 0.01 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

Tgt Ion:228 Resp: 6121112

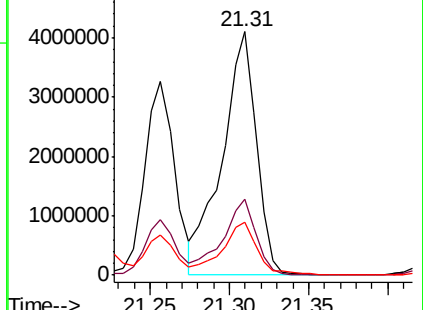
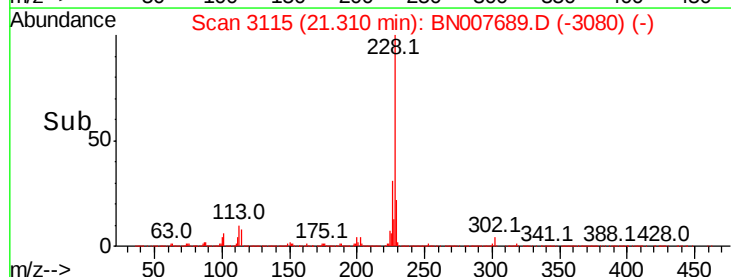
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	22.0	15.5	23.3

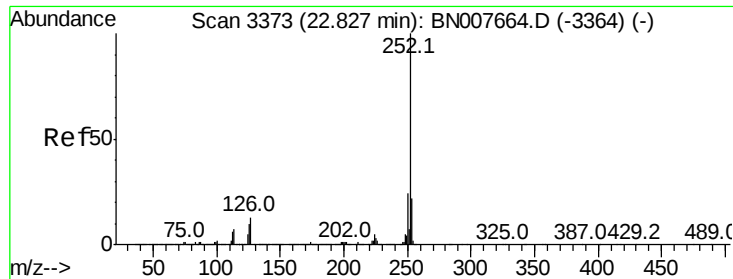


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 58.295 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. 0.01 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

Instrument :

BNA_N

ClientSampleId :

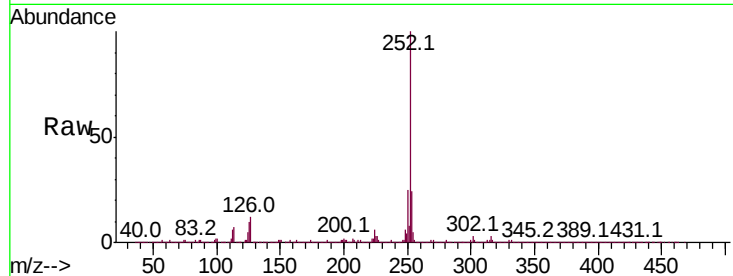
Tot Ion:252 Resp:13159043

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

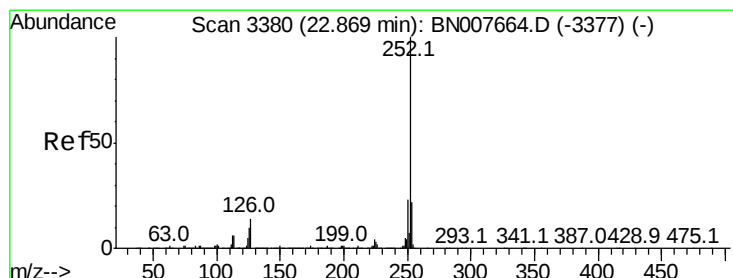
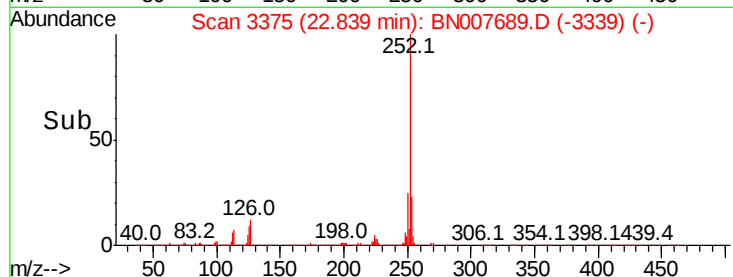
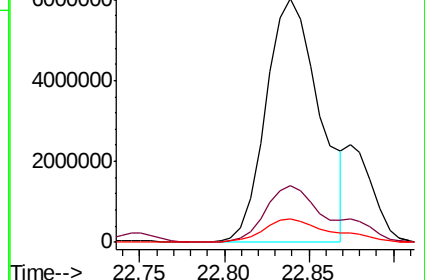
125 9.6 8.0 12.0



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



#88

Benzo(k)fluoranthene

Concen: 59.987 ng/ul

RT: 22.84 min Scan# 3375

Delta R.T. -0.03 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

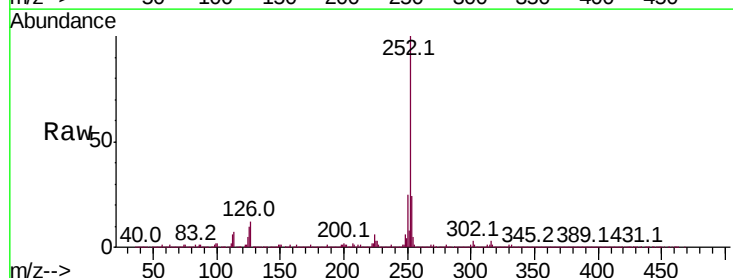
Tgt Ion:252 Resp:13159043

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

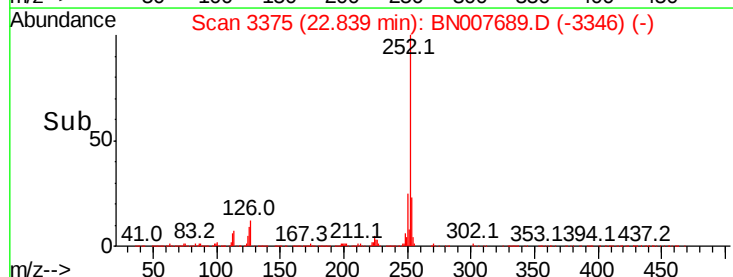
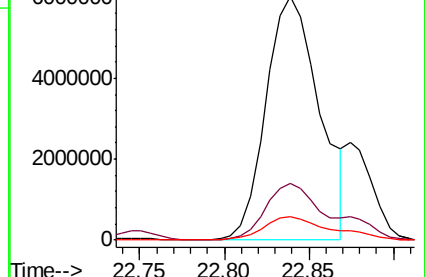
125 9.6 8.2 12.4

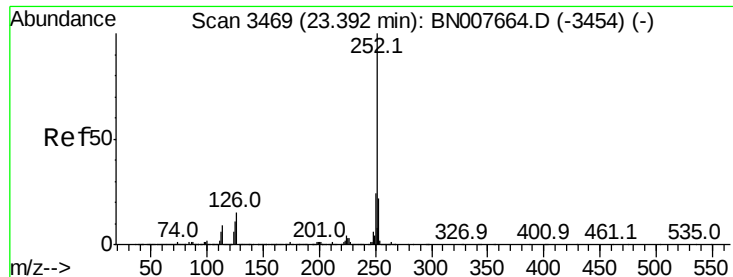


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 25.387 ng/ul

RT: 23.40 min Scan# 3471

Delta R.T. 0.01 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

Instrument :

BNA_N

ClientSampleId :

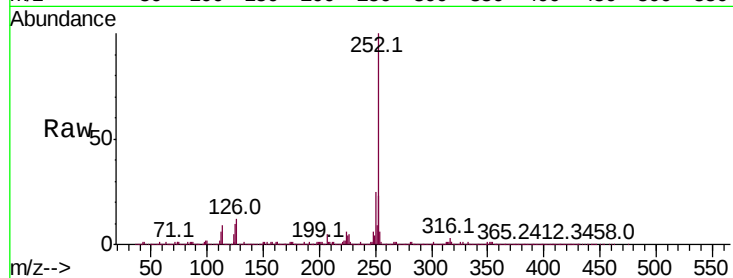
Tot Ion:252 Resp: 5540314

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 10.0 9.2 13.8

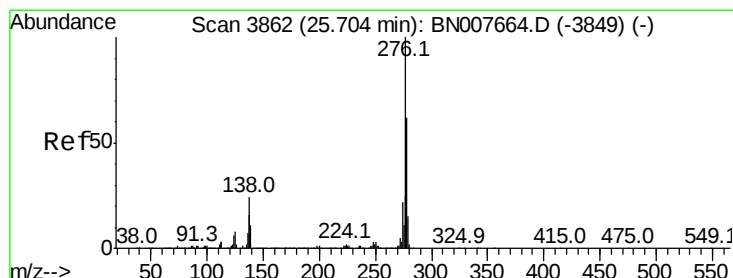
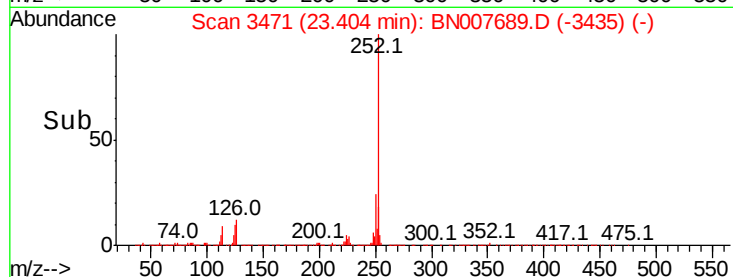
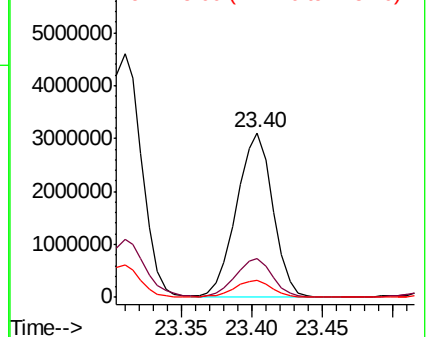


Abundance

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



#91

Indeno(1,2,3-cd)pyrene

Concen: 23.081 ng/ul

RT: 25.73 min Scan# 3866

Delta R.T. 0.02 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

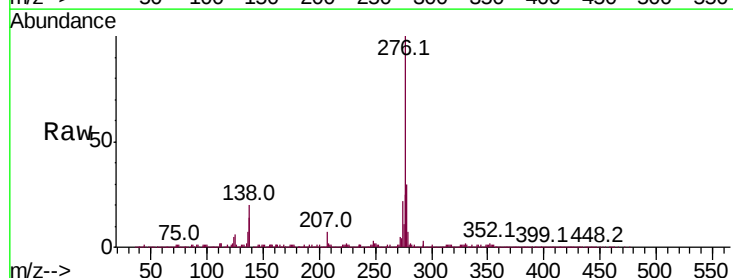
Tgt Ion:276 Resp: 5918005

Ion Ratio Lower Upper

276 100

138 19.7 19.1 28.7

277 24.8 19.7 29.5

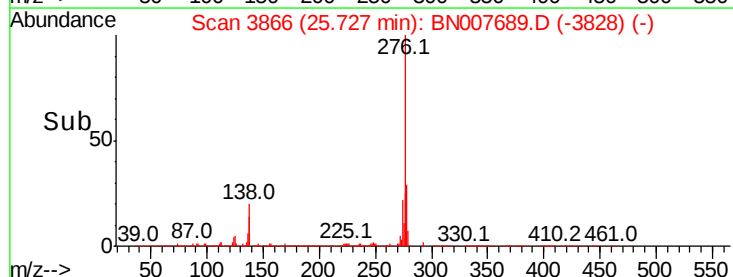
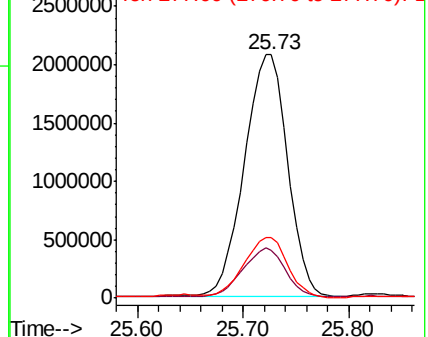


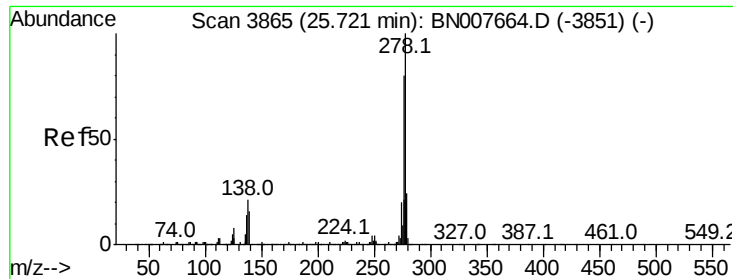
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 9.148 ng/ul

RT: 25.72 min Scan# 3865

Delta R.T. -0.00 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

Instrument :

BNA_N

ClientSampleId :

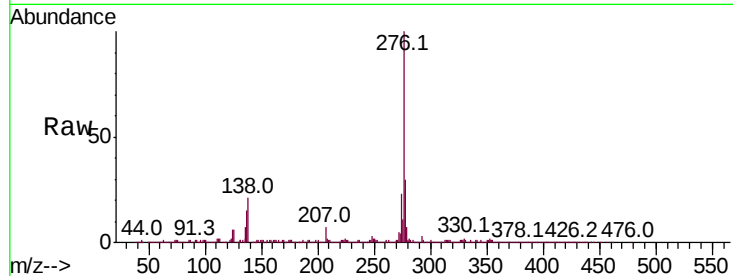
Tot Ion:278 Resp: 1956425

Ion Ratio Lower Upper

278 100

139 0.0 12.6 19.0#

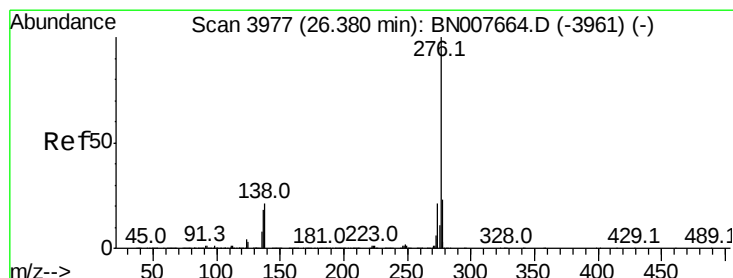
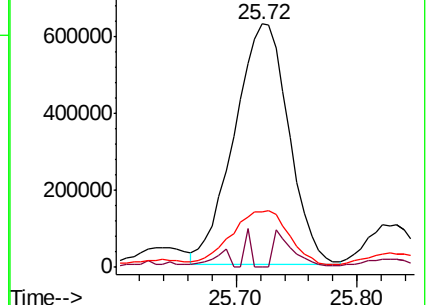
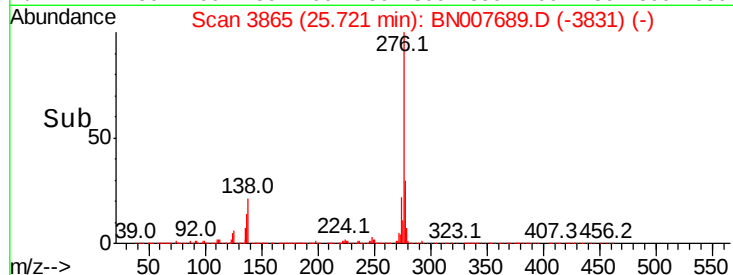
279 23.0 19.4 29.2



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



#93

Benzo(g,h,i)perylene

Concen: 28.604 ng/ul

RT: 26.40 min Scan# 3981

Delta R.T. 0.02 min

Lab File: BN007689.D

Acq: 17 Sep 2019 06:02

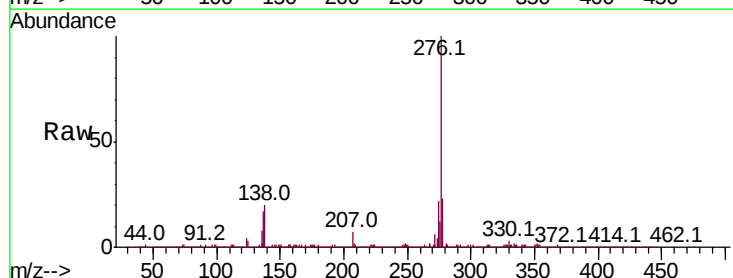
Tgt Ion:276 Resp: 6012573

Ion Ratio Lower Upper

276 100

138 19.8 16.5 24.7

277 23.4 18.7 28.1



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

