

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009653.D
 Acq On : 07 Feb 2020 19:14
 Operator : CG/JU
 Sample : L1324-19DL 30X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 07 23:20:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 15:21:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	140158	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	595364	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	365316	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.82	188	732338	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	677048	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	691862	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.66	99	5499	0.45	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.80	67	3849	0.47	ng/ul	0.02
9) 2-Chlorophenol-d4	6.97	132	4278	0.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	3828	0.39	ng/ul	0.02
19) Nitrobenzene-d5	8.60	128	1582	0.36	ng/ul	0.02
22) 2-Nitrophenol-d4	9.30	143	1393	0.28	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.86	165	3604	0.39	ng/ul	0.03
29) 4-Chloroaniline-d4	10.37	131	232	0.02	ng/ul	0.03
43) Dimethylphthalate-d6	13.50	166	14801	0.55	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	17746	0.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.36	143	449	0.09	ng/ul	0.05
57) Fluorene-d10	15.07	176	13582	0.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	620	0.14	ng/ul	0.02
70) Anthracene-d10	16.82	188	732338	22.01	ng/ul	-0.11
78) Pyrene-d10	19.23	212	24332	0.68	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	23765	0.70	ng/ul	0.00

Target Compounds

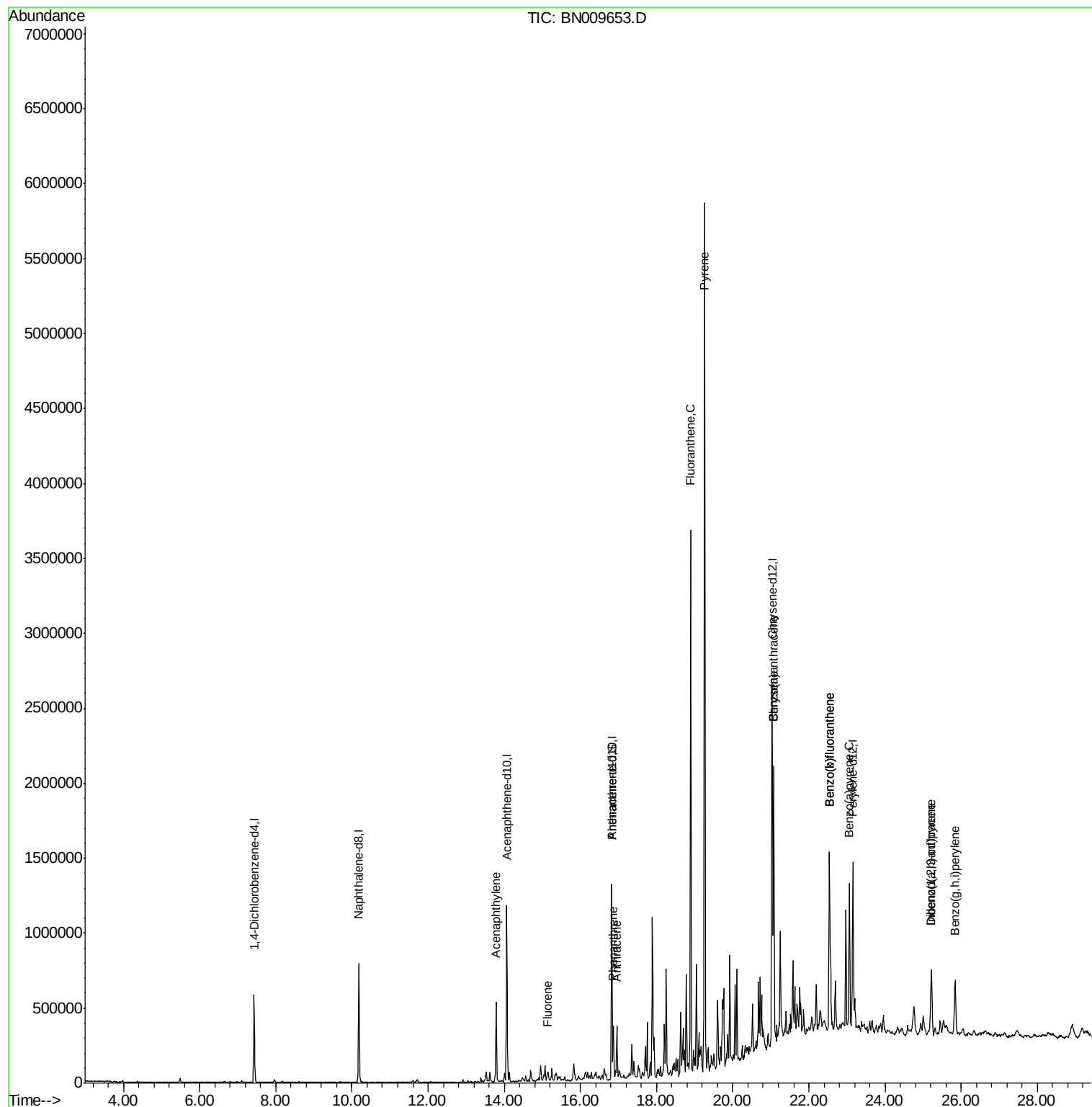
					Ovalue	
47) Acenaphthylene	13.79	152	374475	10.619	ng/ul	97
58) Fluorene	15.15	166	31255	1.120	ng/ul#	65
69) Phenanthrene	16.86	178	197206	4.722	ng/ul	98
71) Anthracene	16.96	178	217884	5.142	ng/ul	98
76) Fluoranthene	18.90	202	1943633	40.776	ng/ul	99
79) Pyrene	19.26	202	3368129	68.147	ng/ul	96
82) Benzo(a)anthracene	21.07	228	928213	19.856	ng/ul	97
84) Chrysene	21.07	228	928418	19.950	ng/ul	98
87) Benzo(b)fluoranthene	22.54	252	823835	19.032	ng/ul	99
88) Benzo(k)fluoranthene	22.54	252	823835	19.325	ng/ul	98
90) Benzo(a)pyrene	23.06	252	492957	12.292	ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	25.22	276	362544	7.603	ng/ul	91
92) Dibenzo(a,h)anthracene	25.21	278	115008	2.865	ng/ul#	93
93) Benzo(g,h,i)perylene	25.84	276	365805	9.154	ng/ul	96

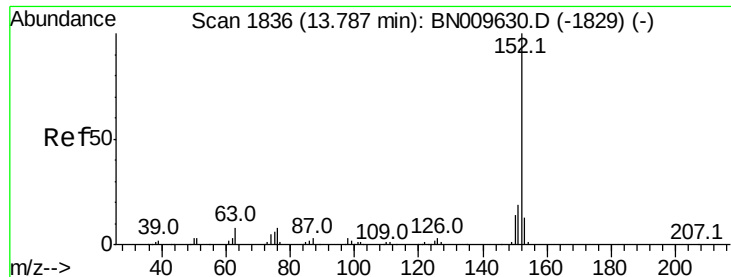
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 15:21:46 2020
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 10.619 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.00 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

Instrument :

BNA_N

ClientSampleId :

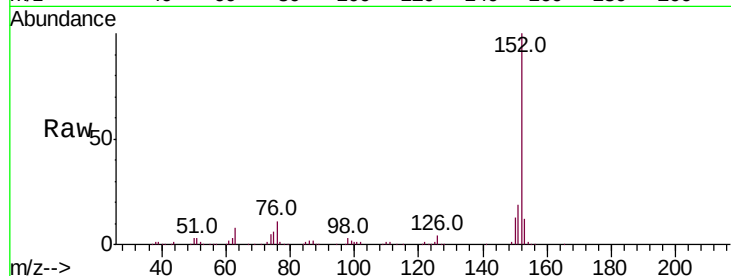
Tot Ion:152 Resp: 374475

Ion Ratio Lower Upper

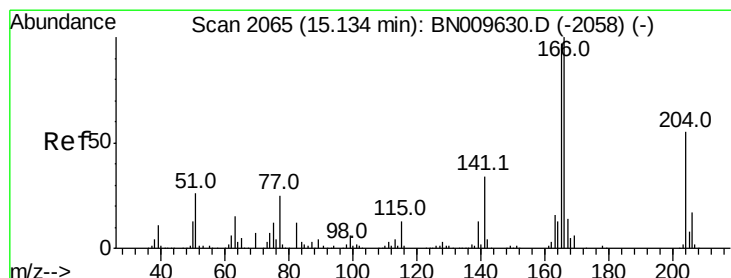
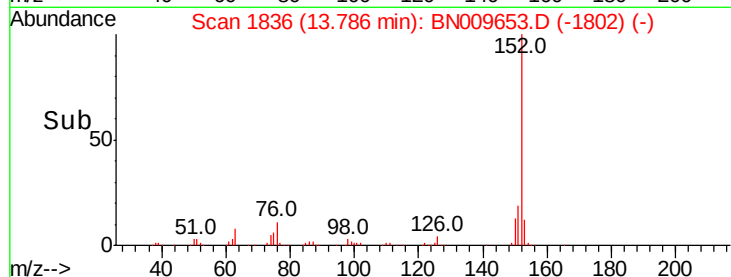
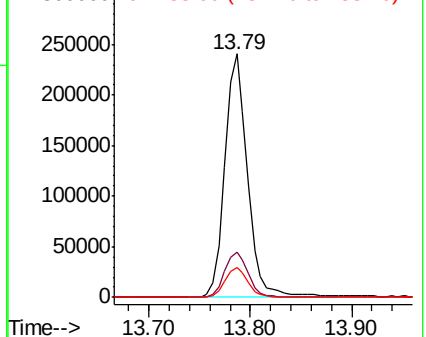
152 100

151 18.6 16.2 24.2

153 12.5 10.6 15.8



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



#58

Fluorene

Concen: 1.120 ng/ul

RT: 15.15 min Scan# 2067

Delta R.T. 0.01 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

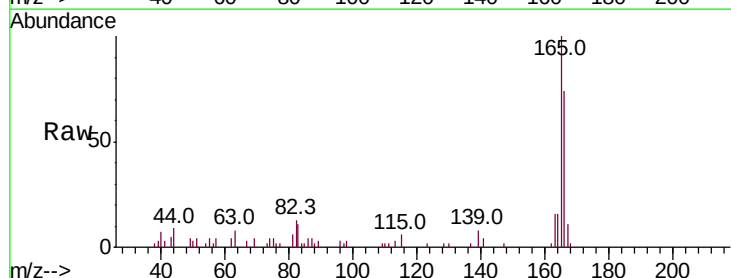
Tgt Ion:166 Resp: 31255

Ion Ratio Lower Upper

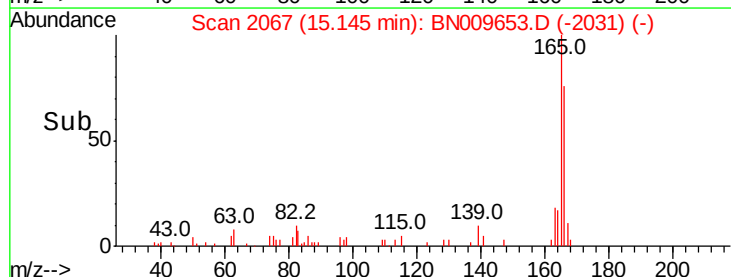
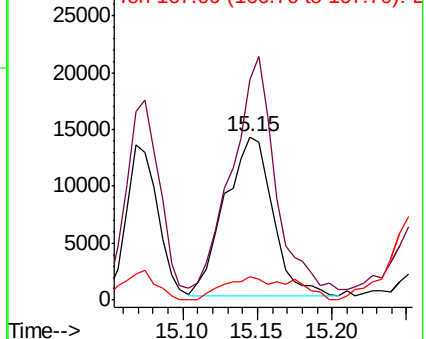
166 100

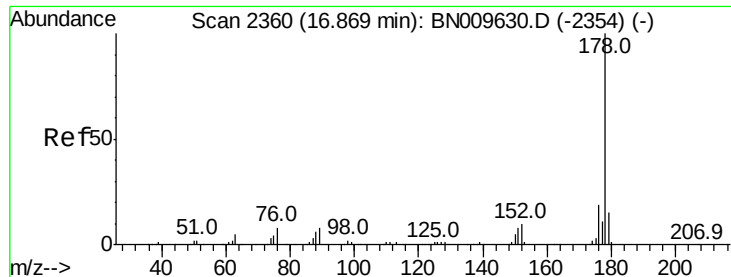
165 135.2 76.7 115.1#

167 14.6 11.1 16.7



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





#69

Phenanthrene

Concen: 4.722 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

Instrument :

BNA_N

ClientSampleId :

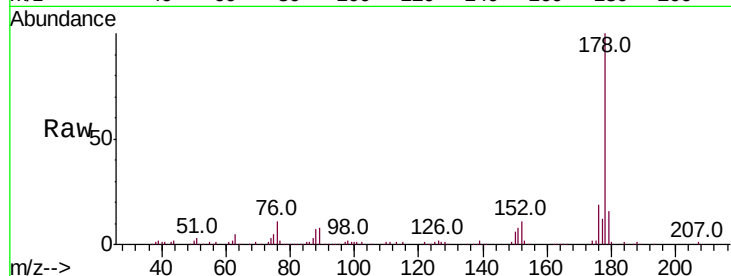
Tot Ion:178 Resp: 197206

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

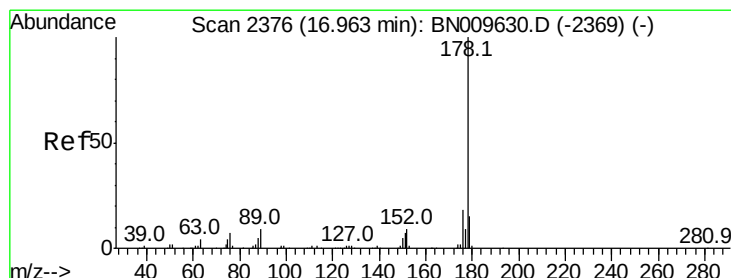
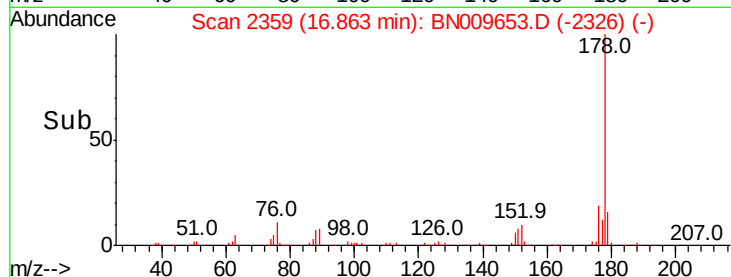
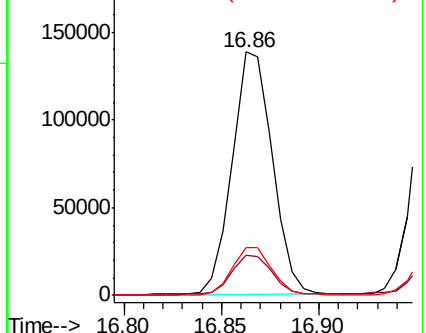
176 19.4 14.8 22.2



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



#71

Anthracene

Concen: 5.142 ng/ul

RT: 16.96 min Scan# 2375

Delta R.T. -0.01 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

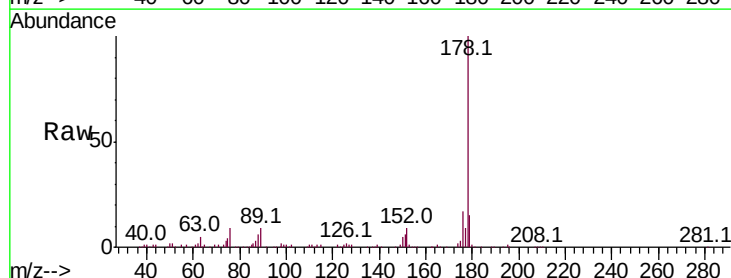
Tgt Ion:178 Resp: 217884

Ion Ratio Lower Upper

178 100

179 14.6 12.1 18.1

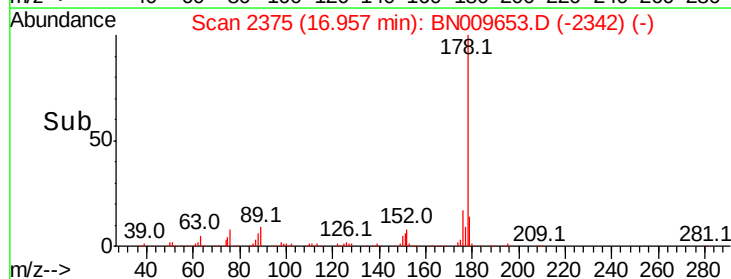
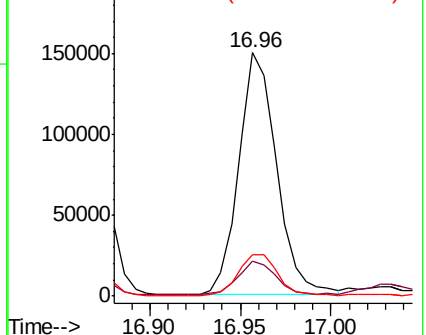
176 17.2 14.6 21.8

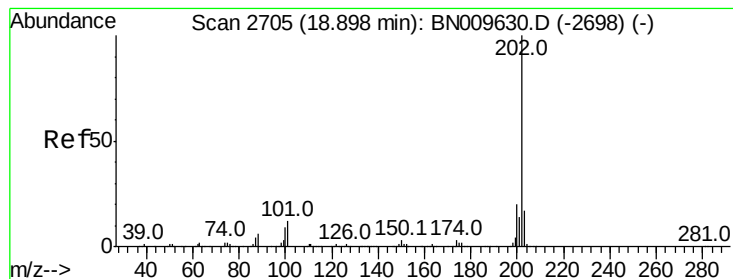


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 40.776 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. -0.00 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

Instrument :

BNA_N

ClientSampleId :

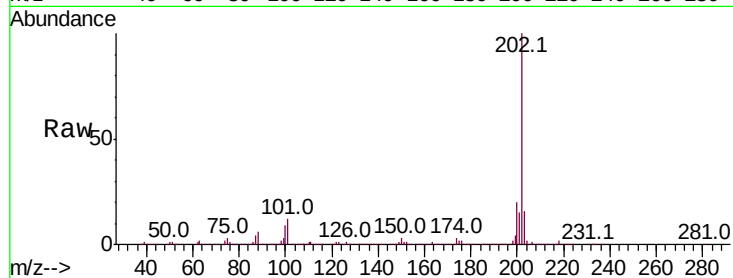
Tot Ion:202 Resp: 1943633

Ion Ratio Lower Upper

202 100

101 12.1 9.2 13.8

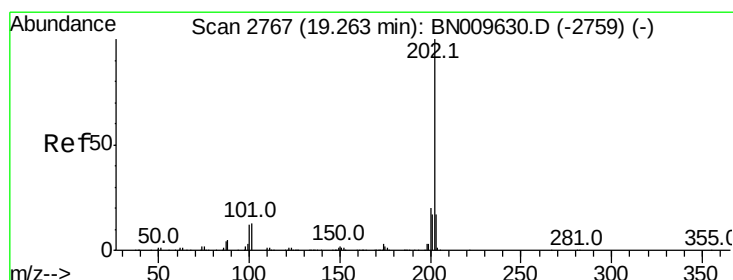
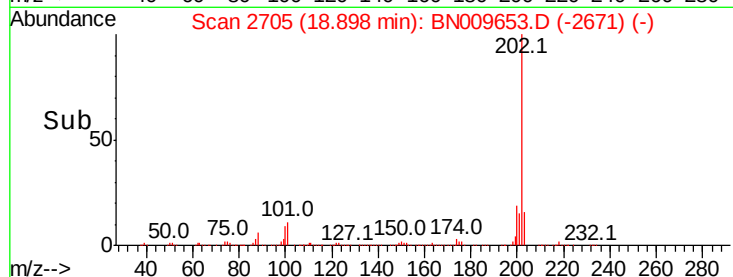
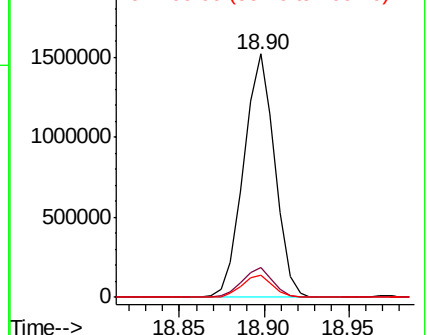
100 9.1 6.9 10.3



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



#79

Pyrene

Concen: 68.147 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

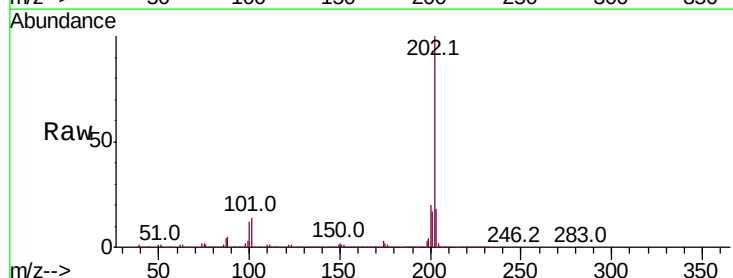
Tgt Ion:202 Resp: 3368129

Ion Ratio Lower Upper

202 100

101 14.2 10.3 15.5

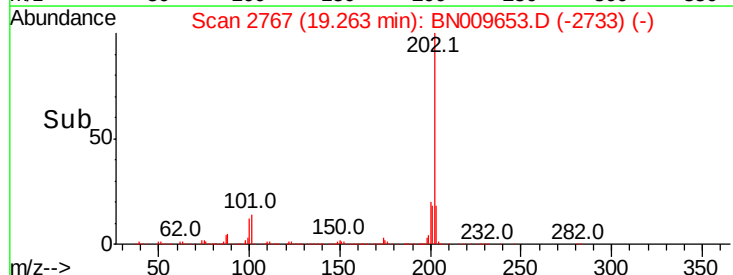
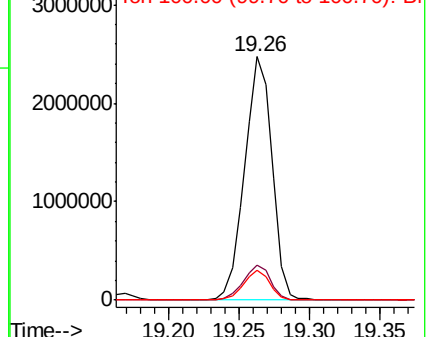
100 12.0 8.4 12.6

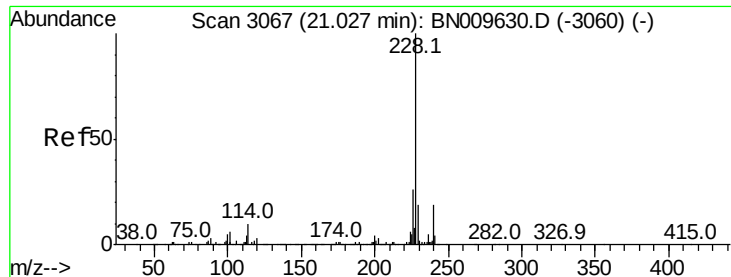


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 19.856 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.04 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

Instrument :

BNA_N

ClientSampled :

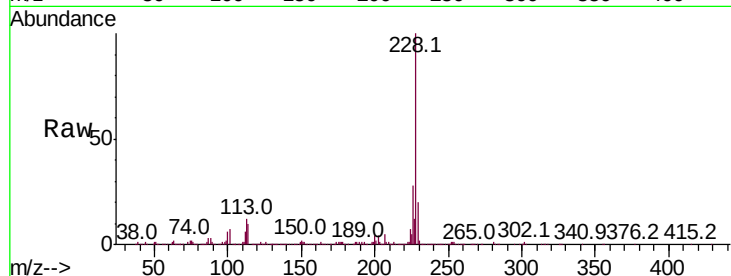
Tot Ion:228 Resp: 928213

Ion Ratio Lower Upper

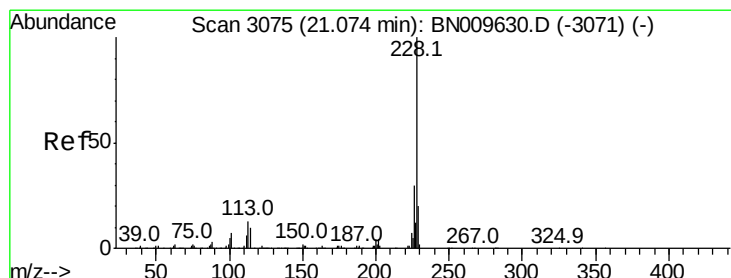
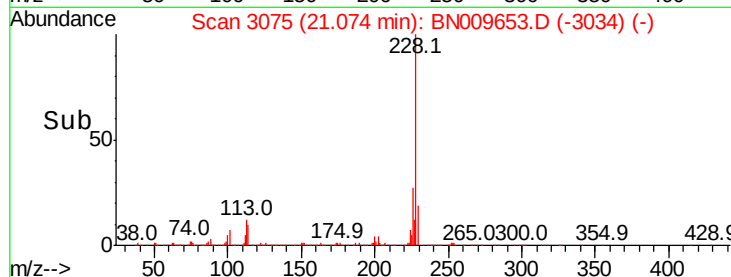
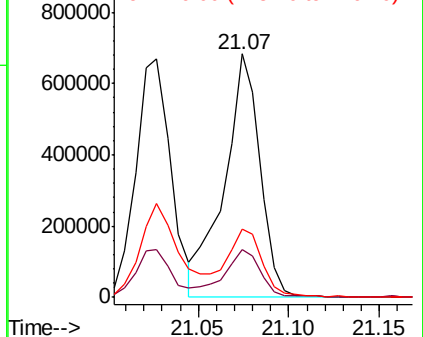
228 100

229 19.6 15.0 22.4

226 27.9 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: 19.950 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

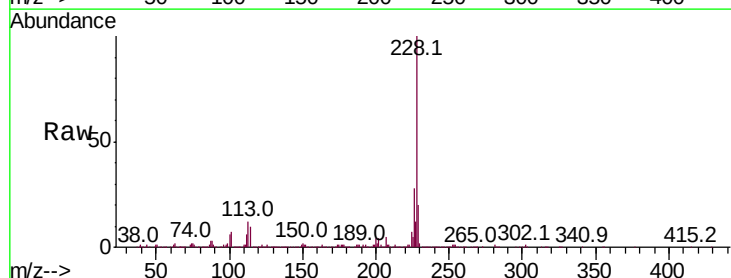
Tgt Ion:228 Resp: 928418

Ion Ratio Lower Upper

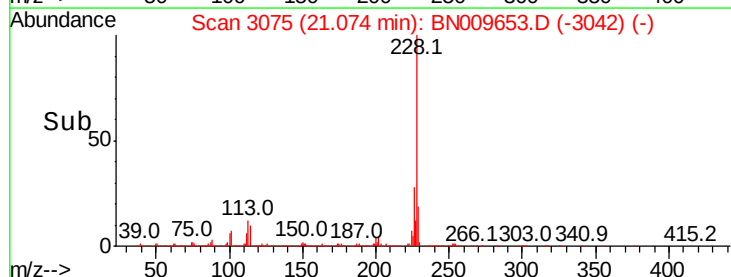
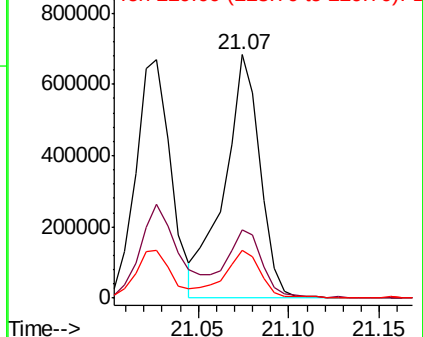
228 100

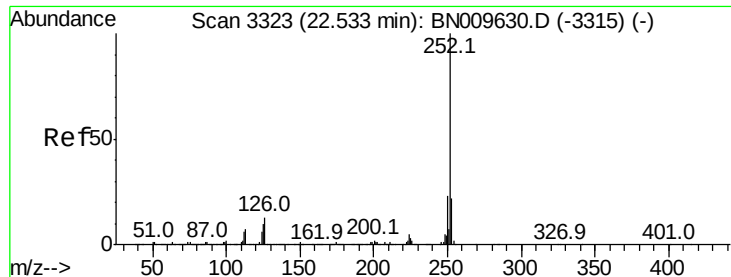
226 27.9 23.5 35.3

229 19.6 15.8 23.8



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

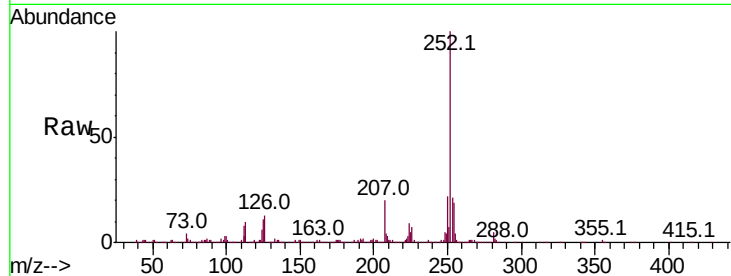




#87
Benzo(b)fluoranthene
Concen: 19.032 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.01 min
Lab File: BN009653.D
Acq: 07 Feb 2020 19:14

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	11.5	8.2	12.2

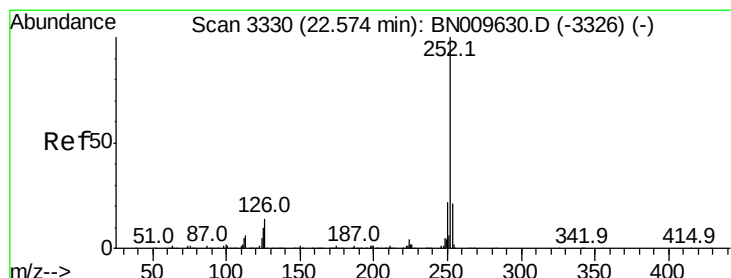
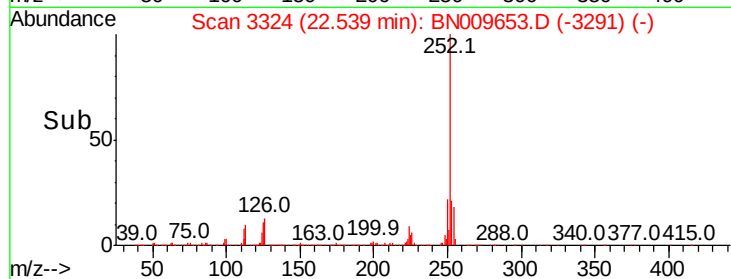
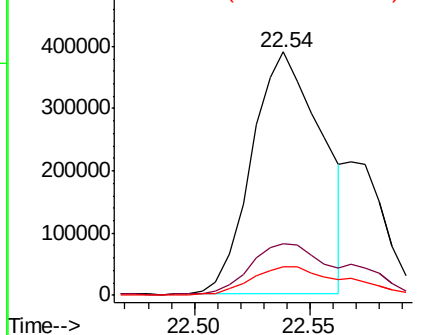


Abundance

Ion 252.00 (251.70 to 252.70): E

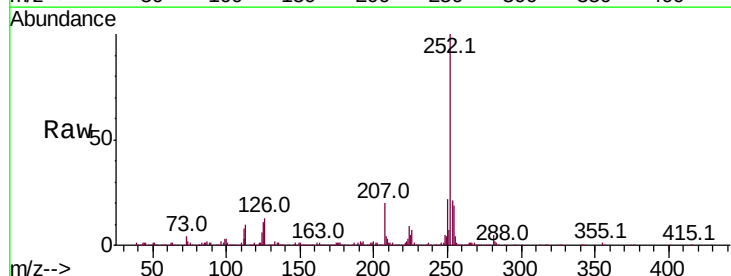
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 19.325 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.05 min
Lab File: BN009653.D
Acq: 07 Feb 2020 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.4
125	11.5	8.0	12.0

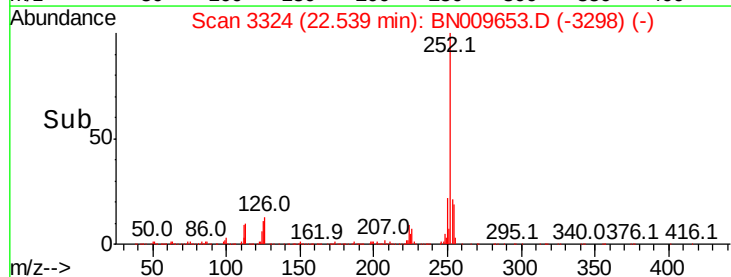
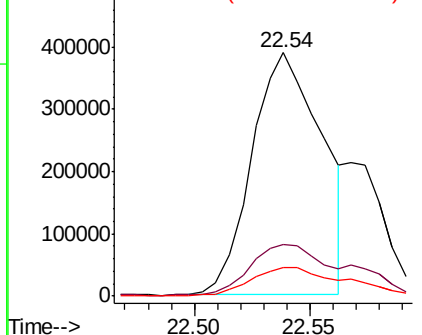


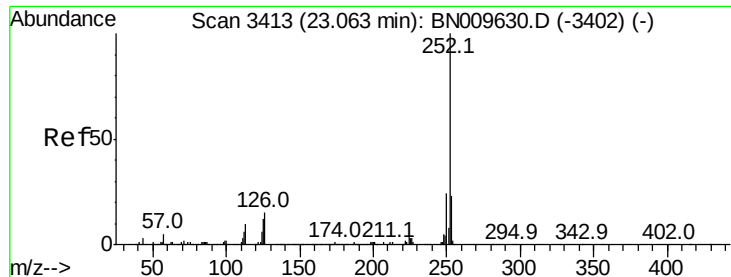
Abundance

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





#90

Benzo(a)pyrene

Concen: 12.292 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

Instrument :

BNA_N

ClientSampleId :

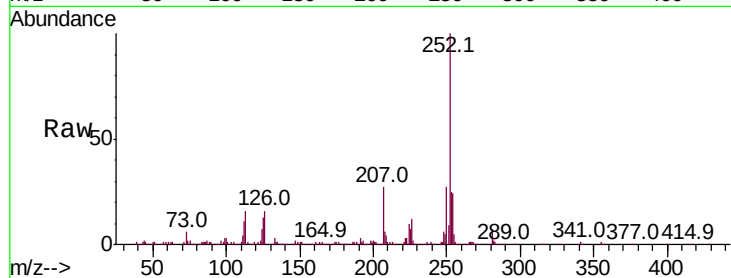
Tot Ion:252 Resp: 492957

Ion Ratio Lower Upper

252 100

253 25.1 15.8 23.8#

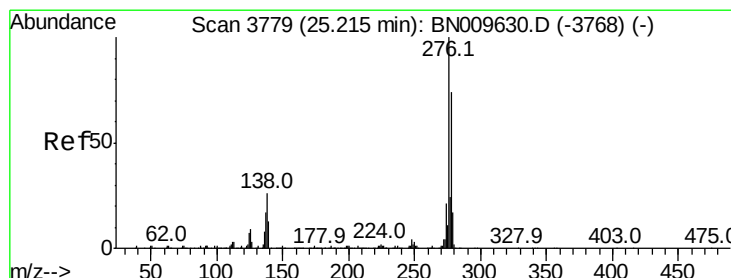
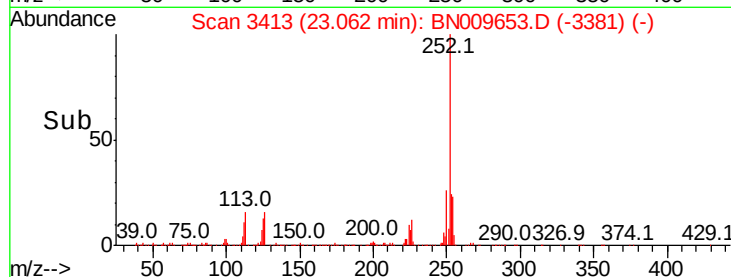
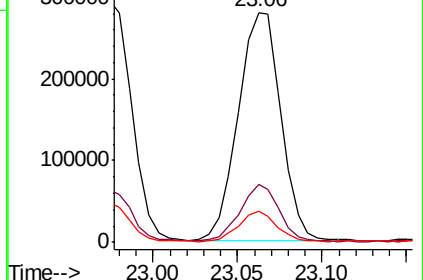
125 13.3 8.7 13.1#



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: 7.603 ng/ul

RT: 25.22 min Scan# 3779

Delta R.T. -0.02 min

Lab File: BN009653.D

Acq: 07 Feb 2020 19:14

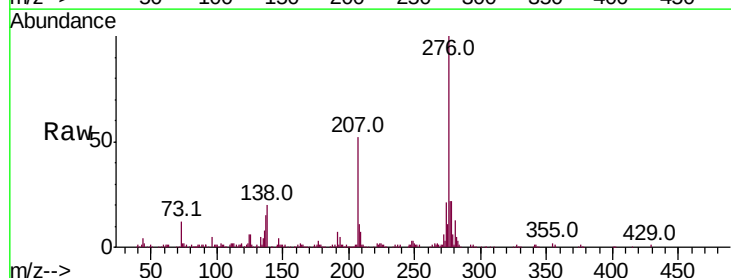
Tgt Ion:276 Resp: 362544

Ion Ratio Lower Upper

276 100

138 20.5 20.3 30.5

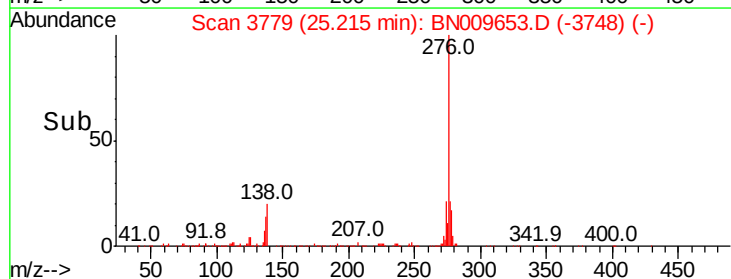
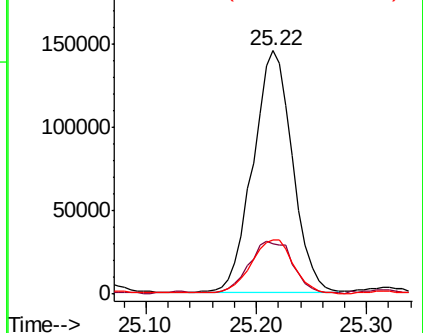
277 22.0 21.2 31.8

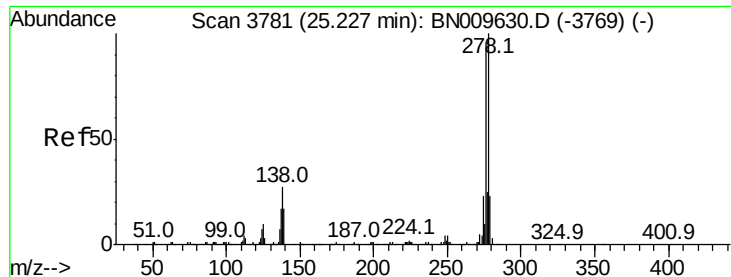


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



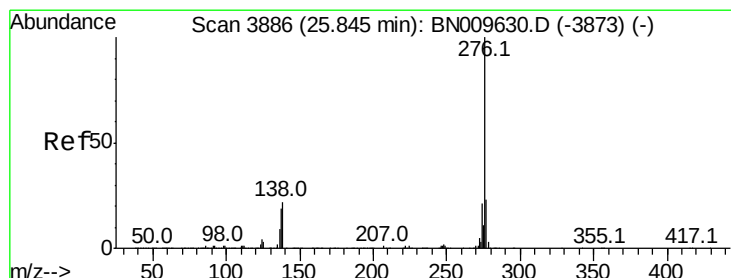
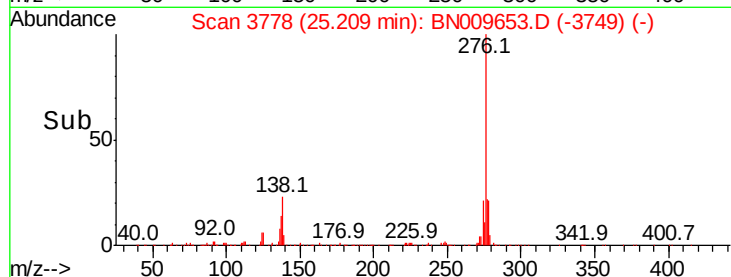
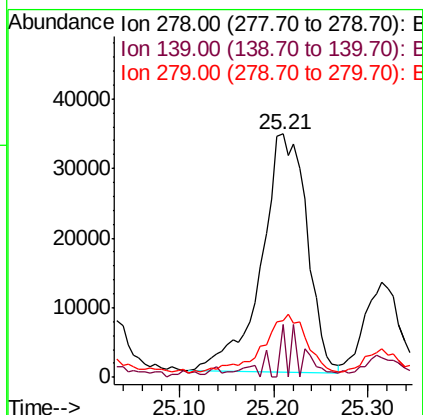
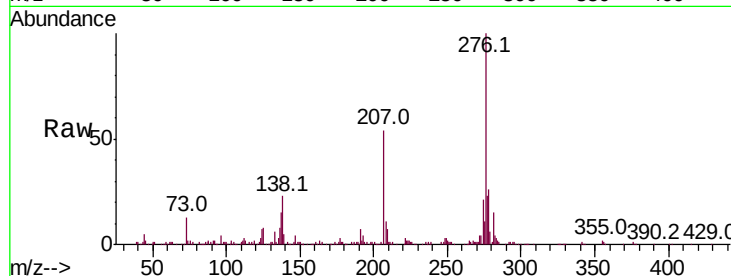


#92

Dibenzo(a,h)anthracene
 Concen: 2.865 ng/ul
 RT: 25.21 min Scan# 3778
 Delta R.T. -0.03 min
 Lab File: BN009653.D
 Acq: 07 Feb 2020 19:14

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 115008
 Ion Ratio Lower Upper
 278 100
 139 21.5 12.7 19.1#
 279 23.2 19.8 29.8



#93

Benzo(g,h,i)perylene
 Concen: 9.154 ng/ul
 RT: 25.84 min Scan# 3885
 Delta R.T. -0.02 min
 Lab File: BN009653.D
 Acq: 07 Feb 2020 19:14

Tgt Ion:276 Resp: 365805
 Ion Ratio Lower Upper
 276 100
 138 22.0 16.0 24.0
 277 22.8 17.0 25.6

