

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009673.D
 Acq On : 08 Feb 2020 07:46
 Operator : CG/JU
 Sample : L1401-17
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 10 02:42:33 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	140694	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	583727	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	372499	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.82	188	781788	20.00	ng/ul	0.00
77) Chrysene-d12	21.03	240	773209	20.00	ng/ul	-0.01
85) Perylene-d12	23.15	264	751282	20.00	ng/ul	-0.01

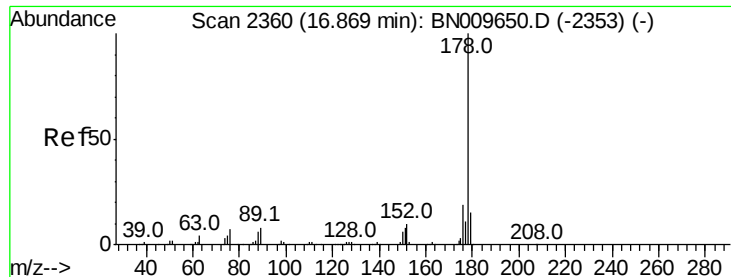
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	7880	2.30	ng/uL	0.00
5) Phenol-d5	6.63	99	162047	13.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.79	67	114874	13.94	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	128203	14.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	128611	13.16	ng/ul	0.00
19) Nitrobenzene-d5	8.57	128	63872	14.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	68024	14.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	124442	13.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	172640	17.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.49	166	410161	15.08	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	481088	14.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.31	143	53045	10.33	ng/ul	0.00
57) Fluorene-d10	15.07	176	360180	15.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	47439	9.72	ng/ul	0.00
70) Anthracene-d10	16.92	188	538953	15.17	ng/ul	0.00
78) Pyrene-d10	19.23	212	642994	15.82	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	602574	16.29	ng/ul	0.00

Target Compounds

					Ovalue
69) Phenanthrene	16.86	178	87013	1.952 ng/ul	96
71) Anthracene	16.86	178	87013	1.923 ng/ul	97
76) Fluoranthene	18.89	202	184428	3.624 ng/ul	98
79) Pyrene	19.26	202	167477	2.967 ng/ul	96
82) Benzo(a)anthracene	21.02	228	95852	1.795 ng/ul	97
84) Chrysene	21.07	228	91874	1.729 ng/ul	99
87) Benzo(b)fluoranthene	22.53	252	112304	2.389 ng/ul	94
88) Benzo(k)fluoranthene	22.53	252	113331	2.448 ng/ul	94
90) Benzo(a)pyrene	23.06	252	73937	1.698 ng/ul#	89
93) Benzo(a,h,i)perylene	25.84	276	44638	1.029 ng/ul#	93

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



#69

Phenanthrene

Concen: 1.952 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.01 min

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Instrument :

BNA_N

ClientSampleId :

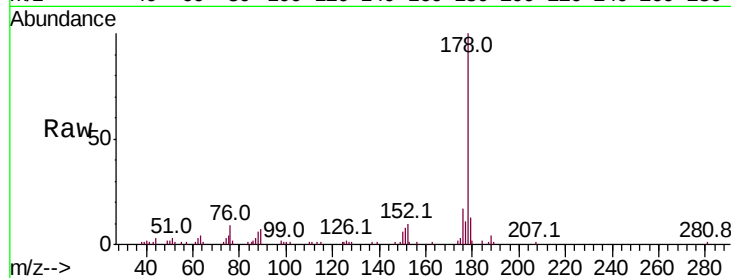
Tot Ion:178 Resp: 87013

Ion Ratio Lower Upper

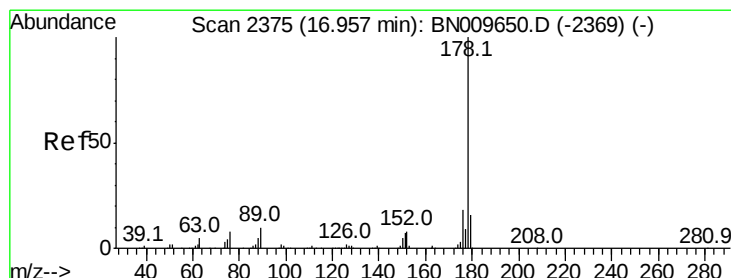
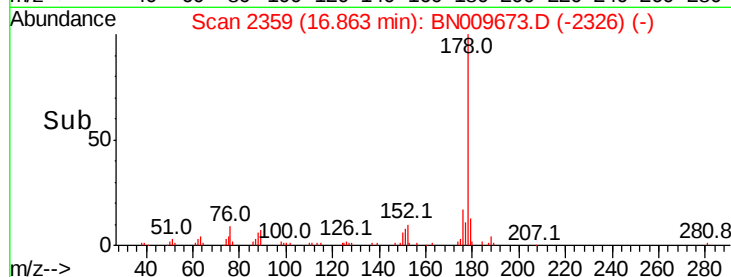
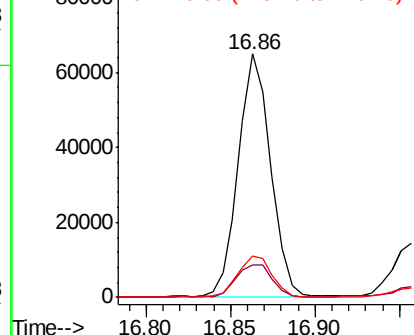
178 100

179 13.4 12.2 18.2

176 17.1 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: 1.923 ng/ul

RT: 16.86 min Scan# 2359

Delta R.T. -0.10 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

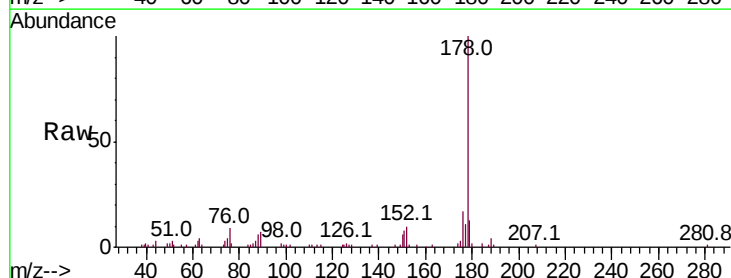
Tgt Ion:178 Resp: 87013

Ion Ratio Lower Upper

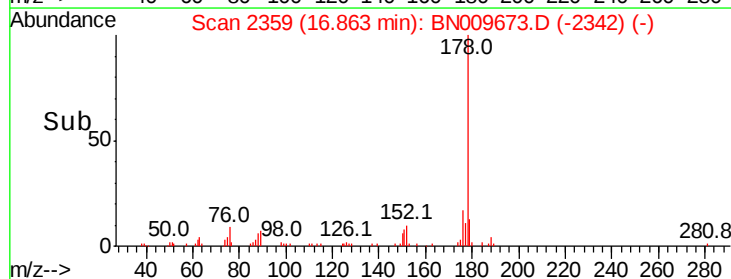
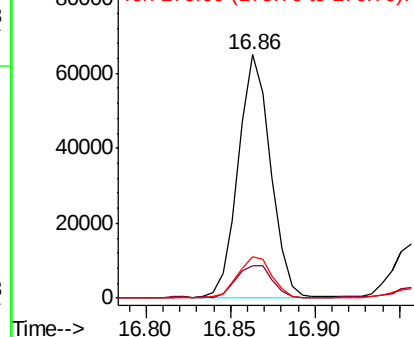
178 100

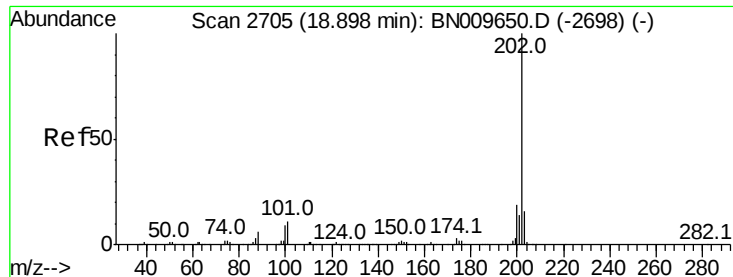
179 13.4 12.1 18.1

176 17.1 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: 3.624 ng/ul

RT: 18.89 min Scan# 2704

Delta R.T. -0.01 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

Instrument :

BNA_N

ClientSampleId :

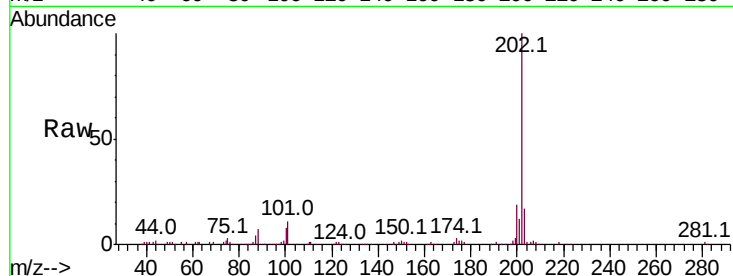
Tot Ion:202 Resp: 184428

Ion Ratio Lower Upper

202 100

101 10.9 9.2 13.8

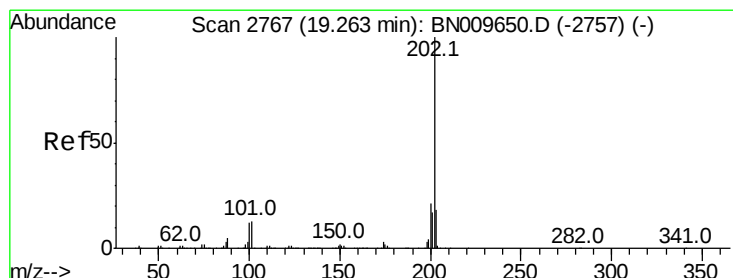
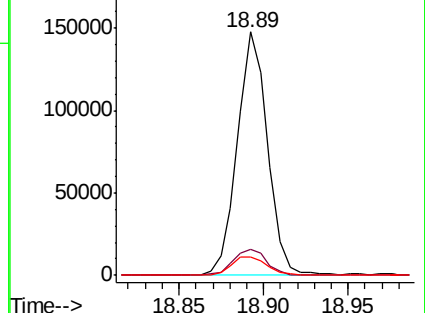
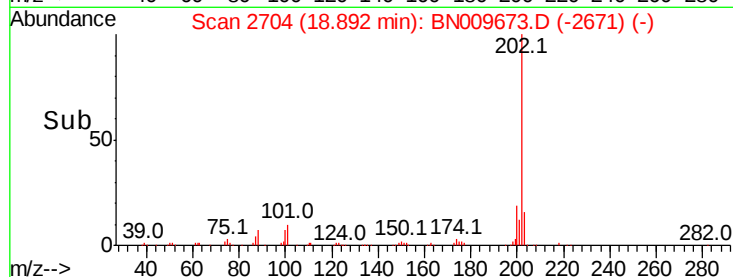
100 7.6 6.9 10.3



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



#79

Pyrene

Concen: 2.967 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

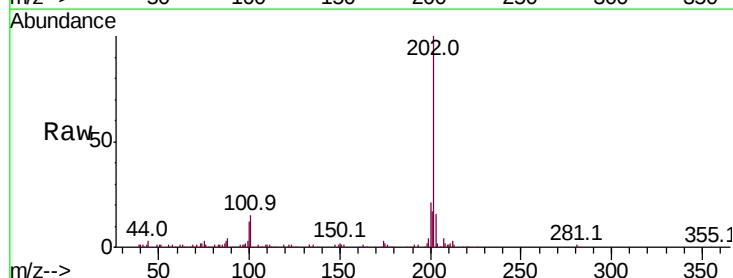
Tgt Ion:202 Resp: 167477

Ion Ratio Lower Upper

202 100

101 14.9 10.3 15.5

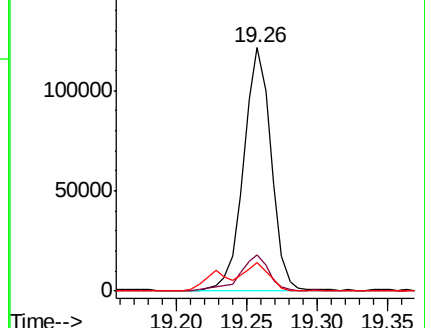
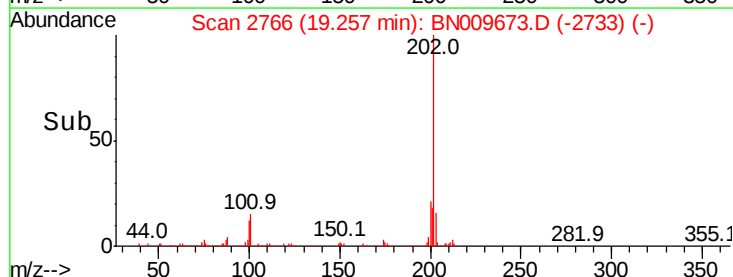
100 11.7 8.4 12.6

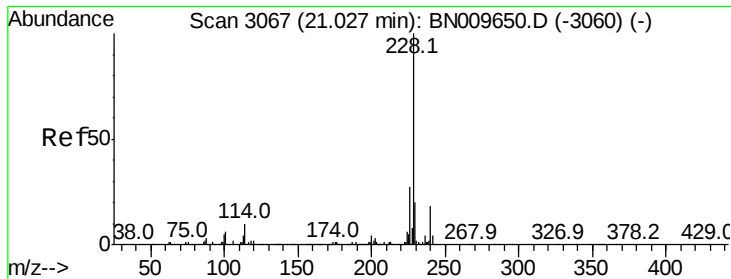


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.795 ng/ul

RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

Instrument :

BNA_N

ClientSampleId :

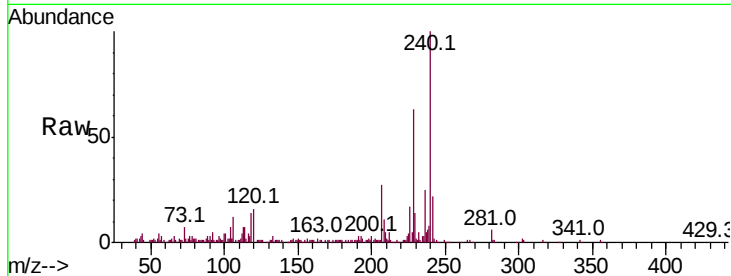
Tot Ion:228 Resp: 95852

Ion Ratio Lower Upper

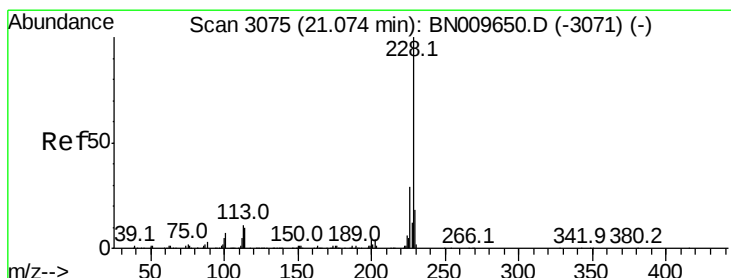
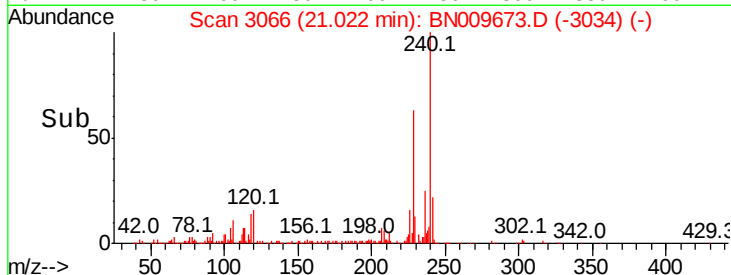
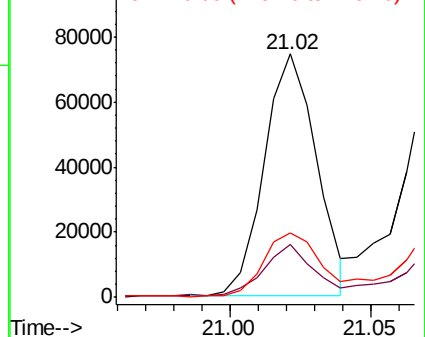
228 100

229 21.9 15.0 22.4

226 26.4 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: 1.729 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

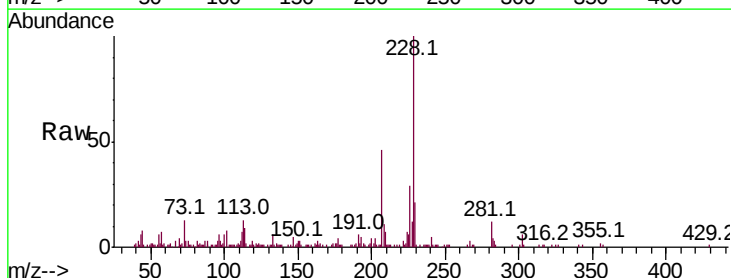
Tgt Ion:228 Resp: 91874

Ion Ratio Lower Upper

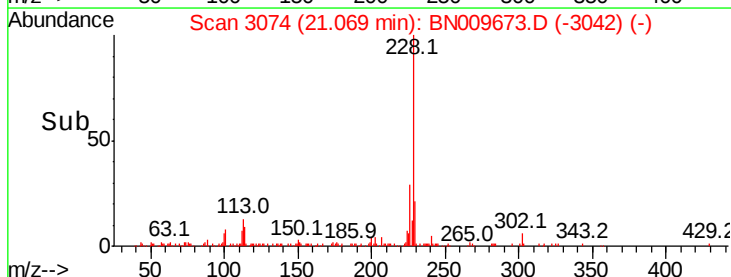
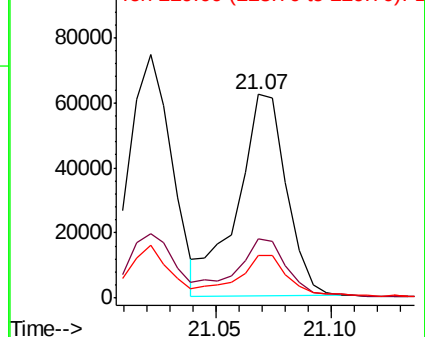
228 100

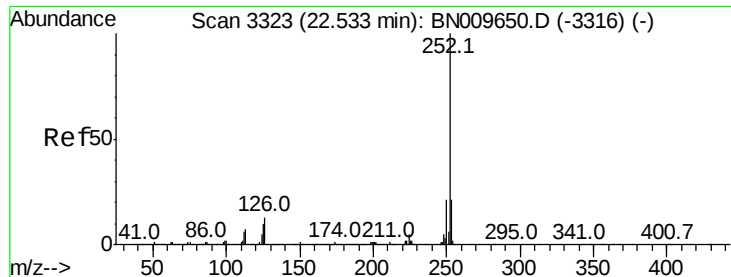
226 29.3 23.5 35.3

229 21.0 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: 2.389 ng/ul

RT: 22.53 min Scan# 3322

Delta R.T. -0.02 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

Instrument :

BNA_N

ClientSampleId :

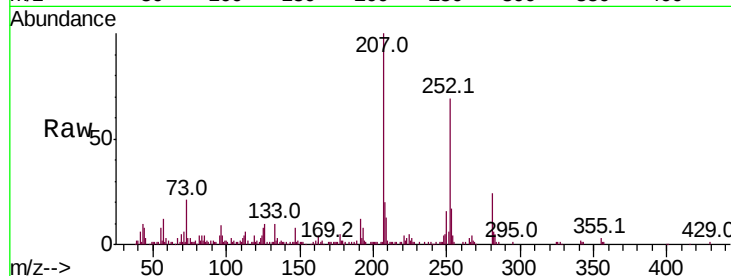
Tot Ion:252 Resp: 112304

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

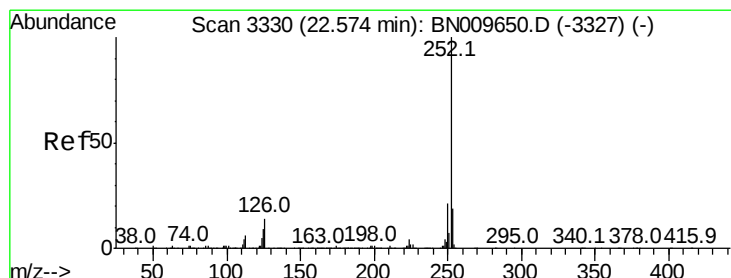
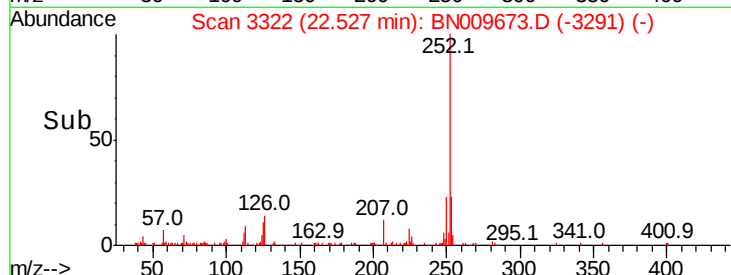
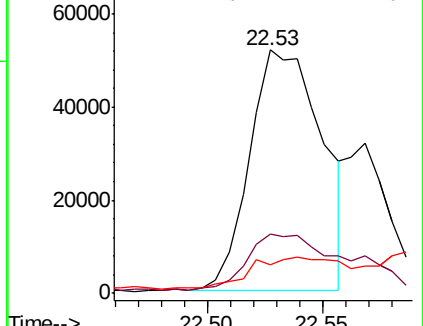
125 11.8 8.2 12.2



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: 2.448 ng/ul

RT: 22.53 min Scan# 3322

Delta R.T. -0.06 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

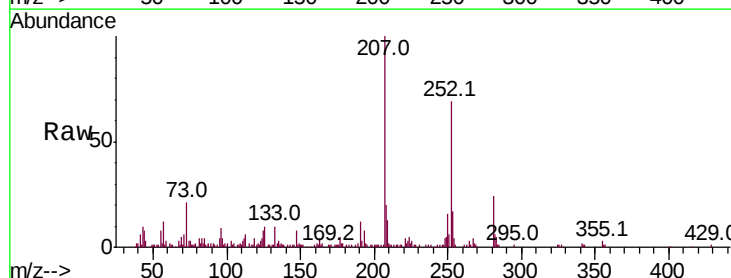
Tgt Ion:252 Resp: 113331

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

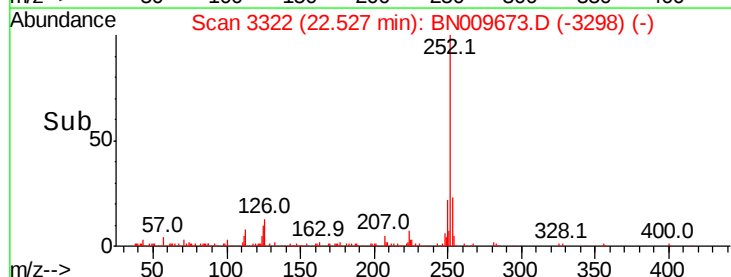
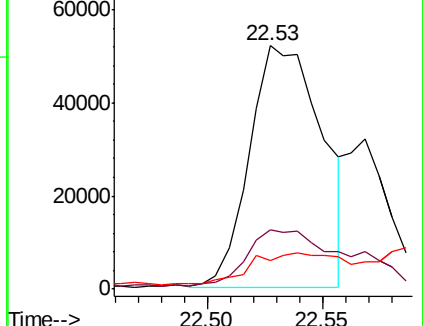
125 11.8 8.0 12.0

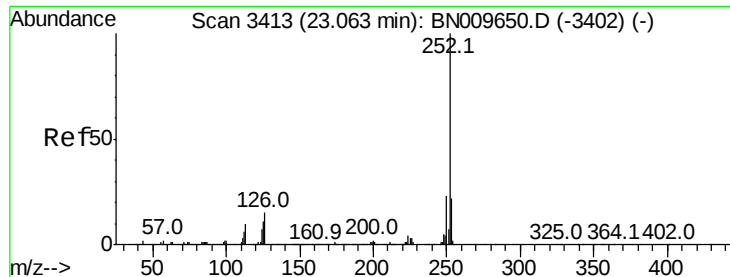


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.698 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

Instrument :

BNA_N

ClientSampled :

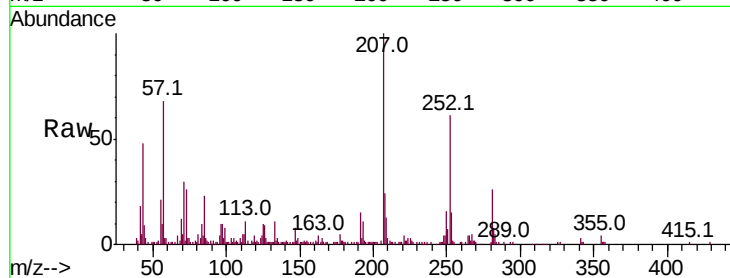
Tot Ion:252 Resp: 73937

Ion Ratio Lower Upper

252 100

253 24.4 15.8 23.8#

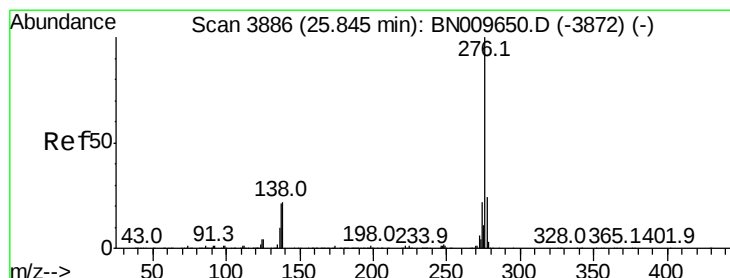
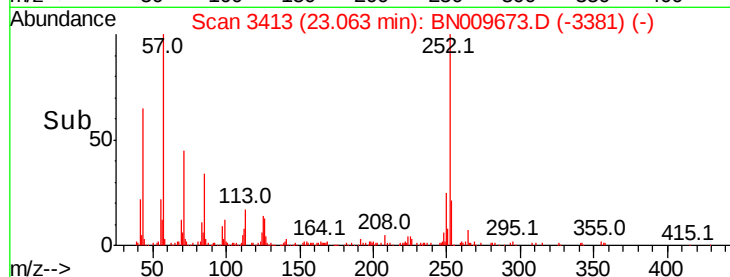
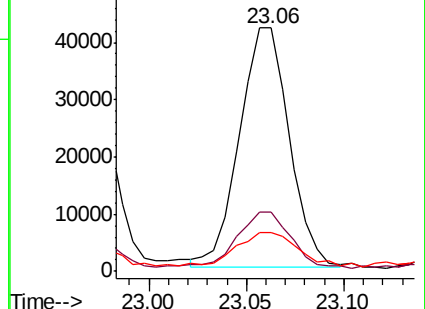
125 16.1 8.7 13.1#



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



#93

Benzo(g,h,i)perylene

Concen: 1.029 ng/ul

RT: 25.84 min Scan# 3885

Delta R.T. -0.02 min

Lab File: BN009673.D

Acq: 08 Feb 2020 07:46

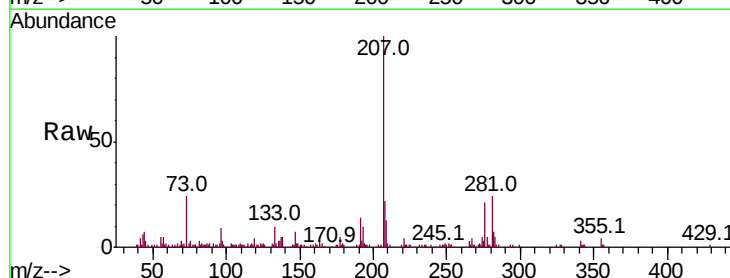
Tgt Ion:276 Resp: 44638

Ion Ratio Lower Upper

276 100

138 24.5 16.0 24.0#

277 22.9 17.0 25.6



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

