

Data File : BN009184.D
Acq On : 26 Dec 2019 22:04
Operator : JU
Sample : K6381-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
CB5R8

Quant Time: Dec 27 01:34:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 27 01:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	341694	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1511565	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	949033	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1959146	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1459746	20.00	ng/ul	0.00
85) Perylene-d12	23.25	264	1361117	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	34608	4.63	ng/uL	0.00
5) Phenol-d5	6.72	99	854286	26.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	555883	26.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	642685	27.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	694054	26.47	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	334970	29.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	380363	29.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	657103	27.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	866280	29.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	1943886	27.27	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	2487720	29.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	350953	24.76	ng/ul	0.00
57) Fluorene-d10	15.15	176	1728591	27.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	207709	16.99	ng/ul	0.00
70) Anthracene-d10	17.00	188	2493794	27.36	ng/ul	0.00
78) Pyrene-d10	19.30	212	2669795	35.06	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	1991117	29.03	ng/ul	0.00

Target Compounds

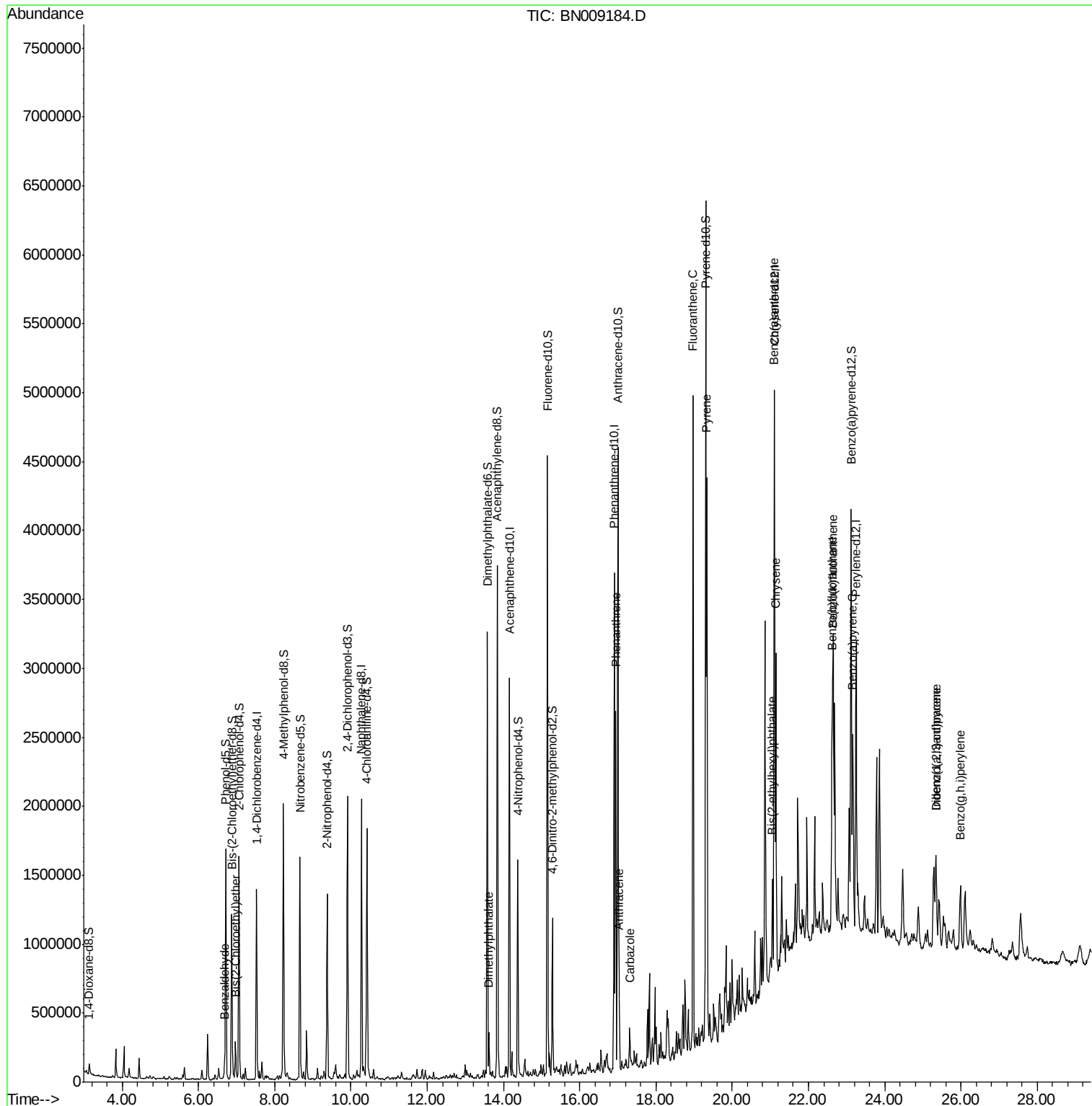
					Qvalue	
4) Benzaldehyde	6.68	77	26247	1.289	ng/ul	96
8) Bis(2-Chloroethyl)ether	6.98	93	93452	3.618	ng/ul#	14
44) Dimethylphthalate	13.62	163	181798	2.494	ng/ul	97
69) Phenanthrene	16.95	178	1451149	13.434	ng/ul	99
71) Anthracene	17.03	178	287750	2.589	ng/ul	99
74) Carbazole	17.31	167	143175	1.491	ng/ul	99
76) Fluoranthene	18.97	202	2721590	21.815	ng/ul	98
79) Pyrene	19.33	202	2336661	23.080	ng/ul	99
82) Benzo(a)anthracene	21.10	228	1180301	11.966	ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.06	149	211866	3.104	ng/ul	98
84) Chrysene	21.15	228	1138485	12.011	ng/ul	99
87) Benzo(b)fluoranthene	22.62	252	1423173	17.108	ng/ul	98
88) Benzo(k)fluoranthene	22.66	252	327661	4.033	ng/ul	99
90) Benzo(a)pyrene	23.16	252	832186	10.895	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.34	276	547152	5.913	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.34	278	85324	1.092	ng/ul#	88
93) Benzo(g,h,i)perylene	25.98	276	504811	6.519	ng/ul	97

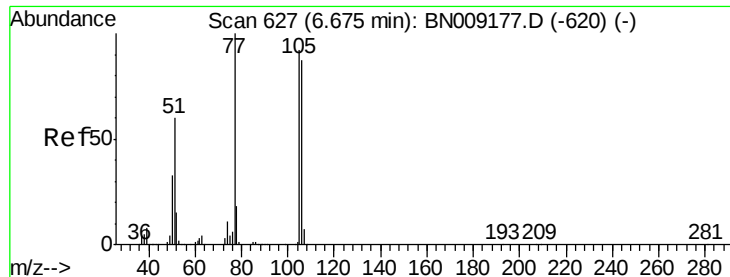
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.289 ng/ul

RT: 6.68 min Scan# 628

Delta R.T. 0.01 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

BNA_N

ClientSampleId :

CB5R8

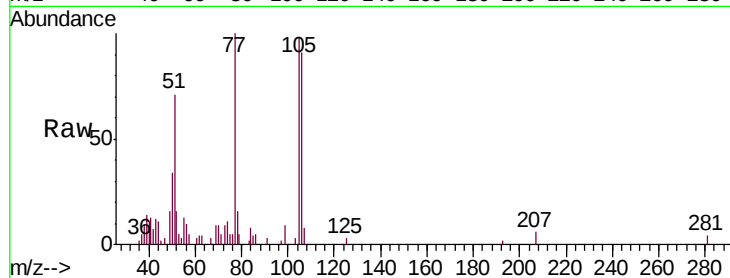
Tgt Ion: 77 Resp: 26247

Ion Ratio Lower Upper

77 100

105 98.5 73.9 110.9

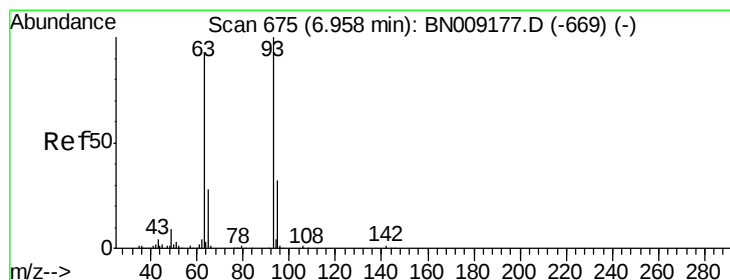
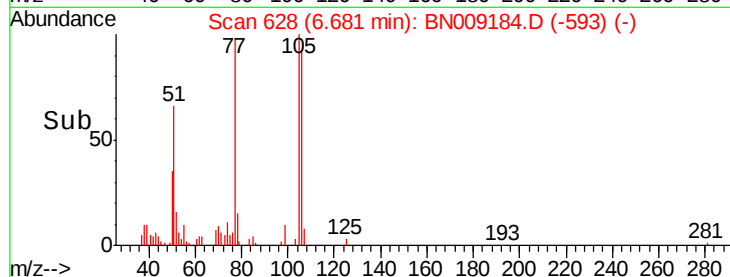
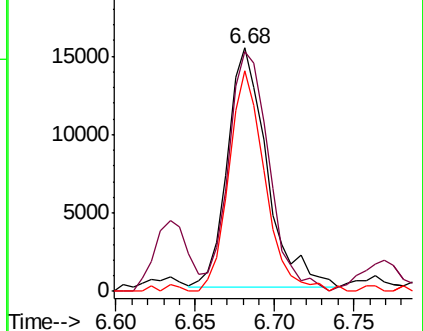
106 90.7 72.1 108.1



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#8

Bis(2-Chloroethyl)ether

Concen: 3.618 ng/ul

RT: 6.98 min Scan# 678

Delta R.T. 0.02 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

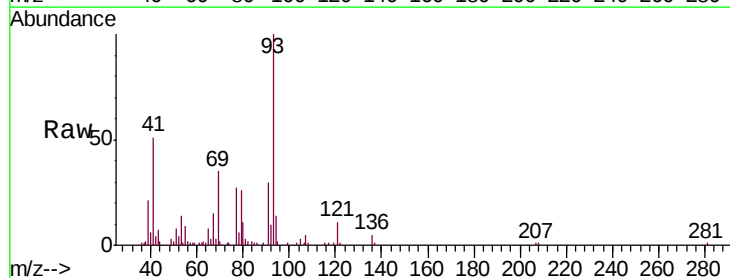
Tgt Ion: 93 Resp: 93452

Ion Ratio Lower Upper

93 100

63 2.2 78.0 117.0#

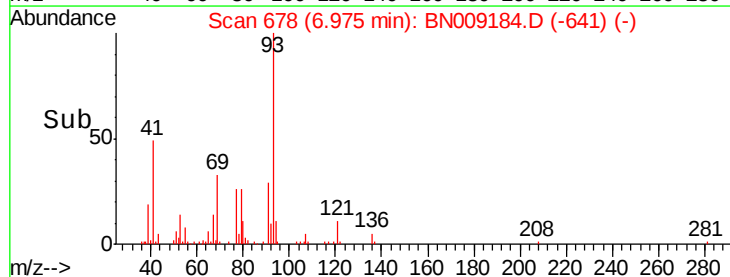
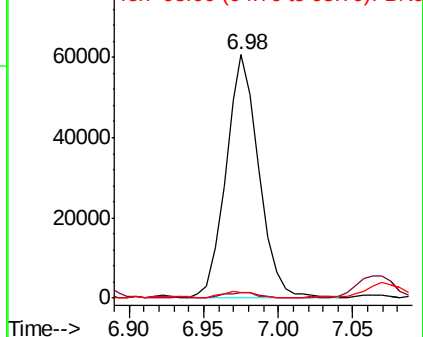
95 2.3 25.5 38.3#

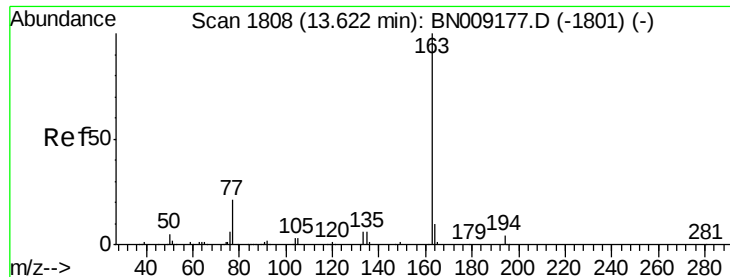


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

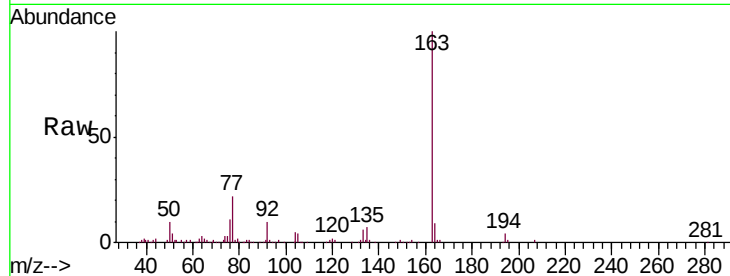




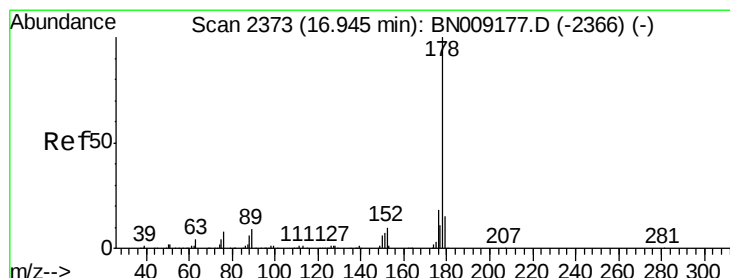
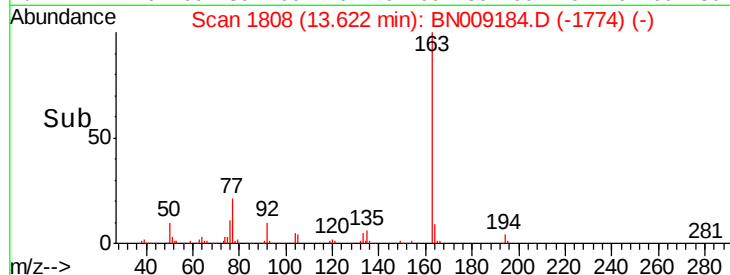
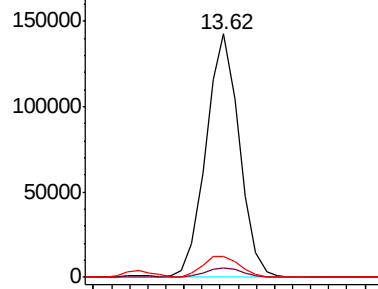
#44
Dimethylphthalate
Concen: 2.494 ng/ul
RT: 13.62 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BN009184.D
Acq: 26 Dec 2019 22:04

Instrument :
BNA_N
ClientSampleId :
CB5R8

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	8.8	8.3	12.5

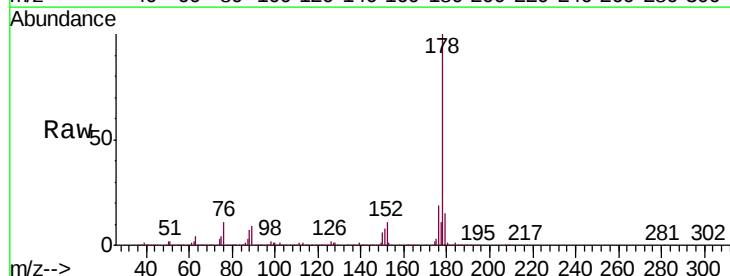


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

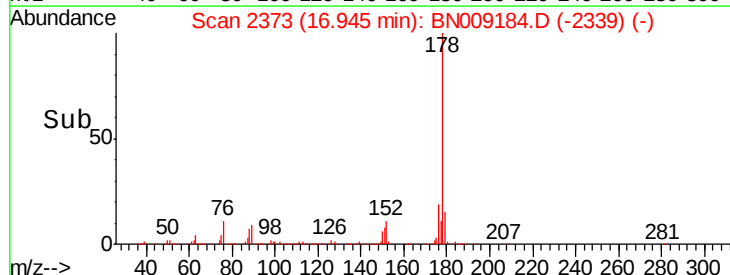
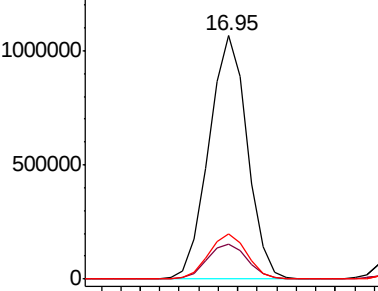


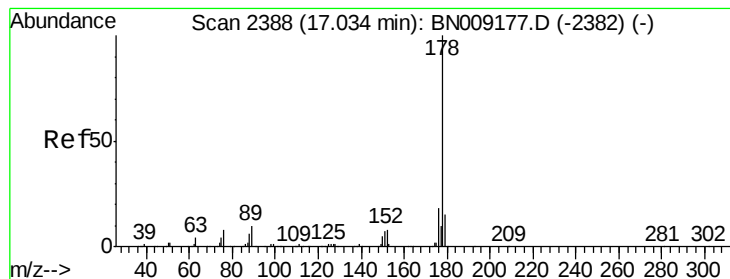
#69
Phenanthrene
Concen: 13.434 ng/ul
RT: 16.95 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BN009184.D
Acq: 26 Dec 2019 22:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	11.8	17.8
176	18.6	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: 2.589 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

BNA_N

ClientSampled :

CB5R8

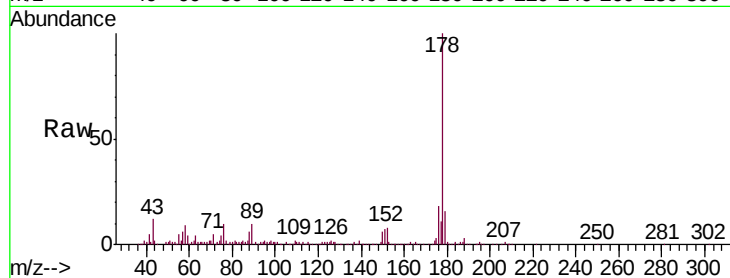
Tgt Ion:178 Resp: 287750

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

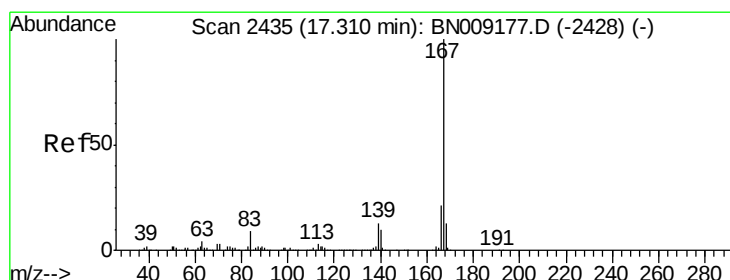
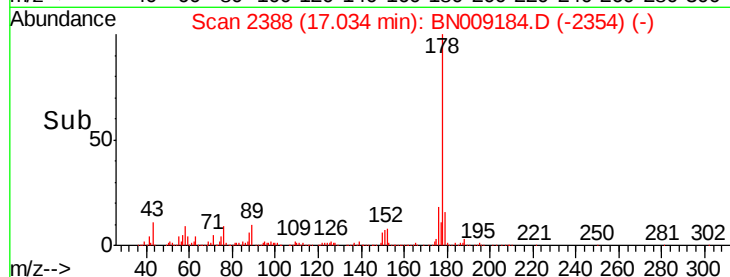
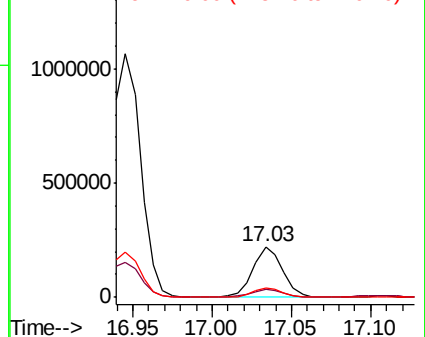
176 18.0 14.8 22.2



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



#74

Carbazole

Concen: 1.491 ng/ul

RT: 17.31 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

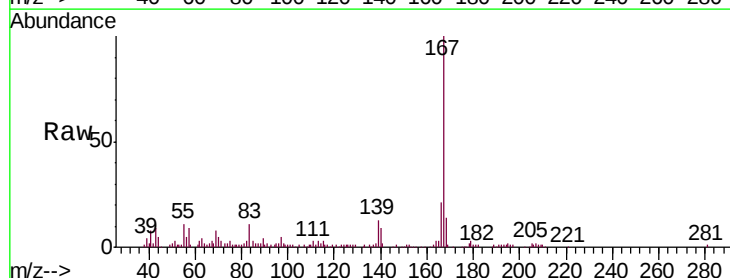
Tgt Ion:167 Resp: 143175

Ion Ratio Lower Upper

167 100

166 20.7 16.8 25.2

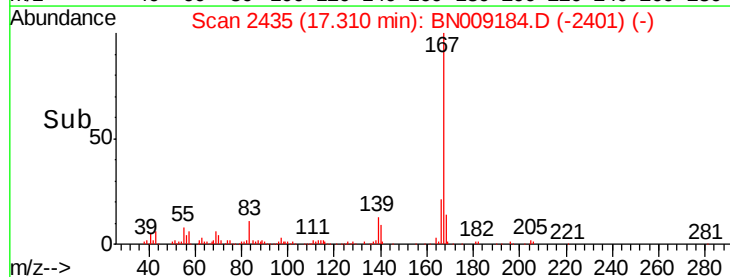
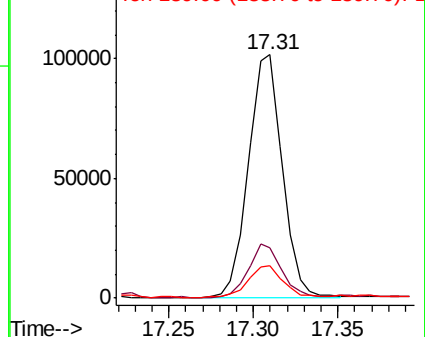
139 13.4 10.6 15.8

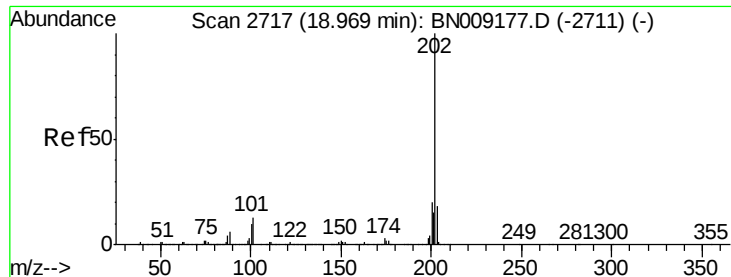


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 21.815 ng/ul

RT: 18.97 min Scan# 2717

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

BNA_N

ClientSampleId :

CB5R8

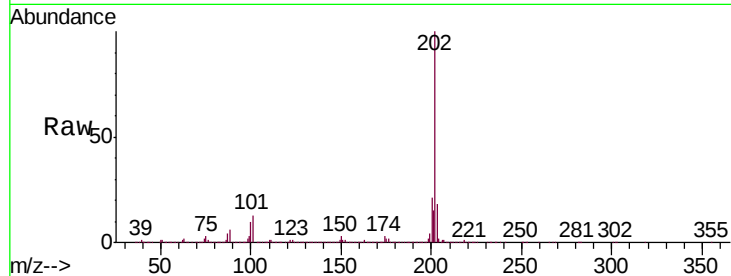
Tgt Ion:202 Resp: 2721590

Ion Ratio Lower Upper

202 100

101 12.9 9.3 13.9

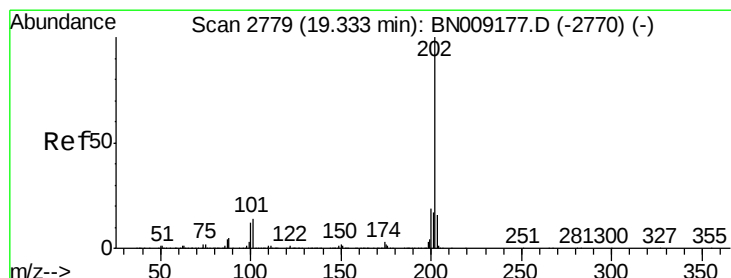
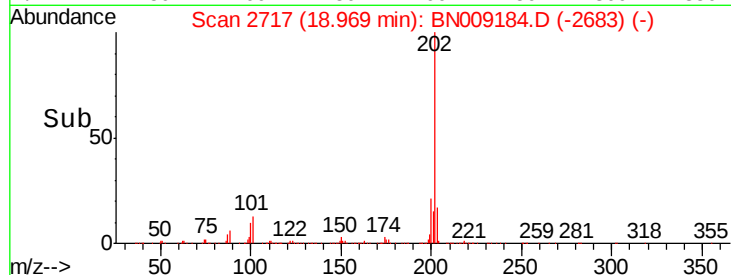
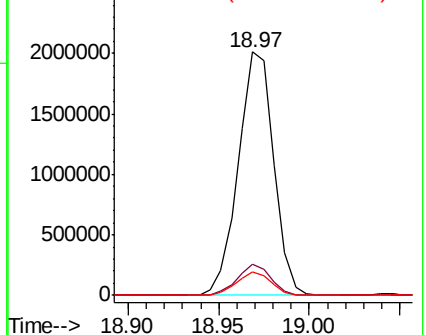
100 9.7 7.6 11.4



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: 23.080 ng/ul

RT: 19.33 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

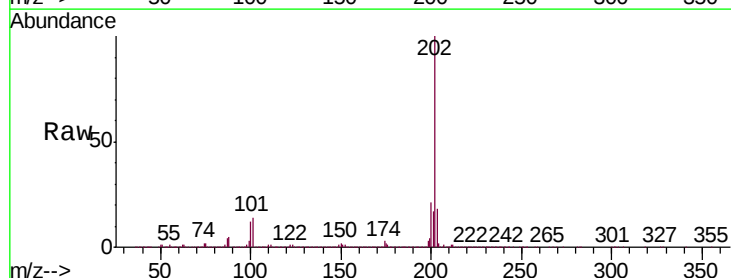
Tgt Ion:202 Resp: 2336661

Ion Ratio Lower Upper

202 100

101 13.8 11.1 16.7

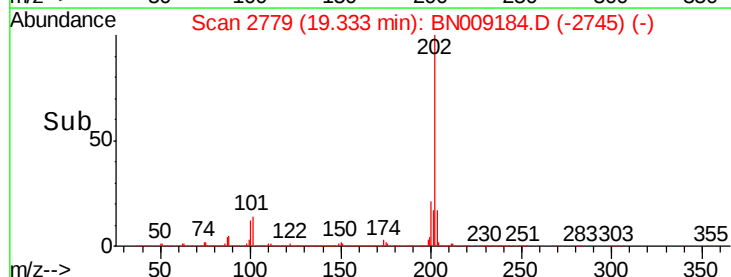
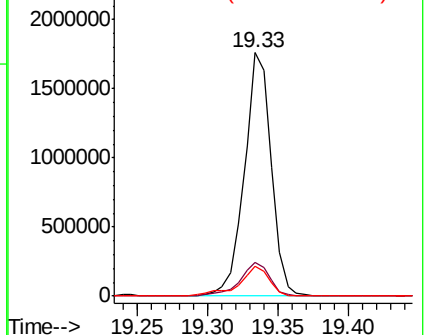
100 12.0 9.0 13.4

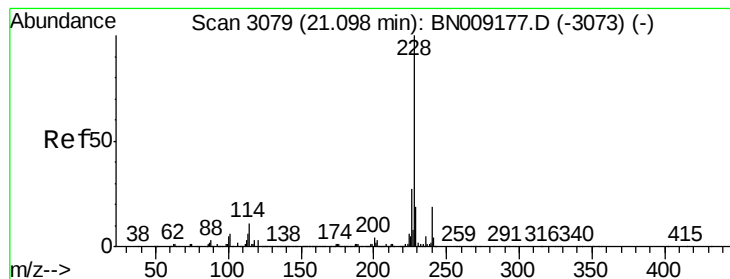


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 11.966 ng/u1

RT: 21.10 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

BNA_N

ClientSampleId :

CB5R8

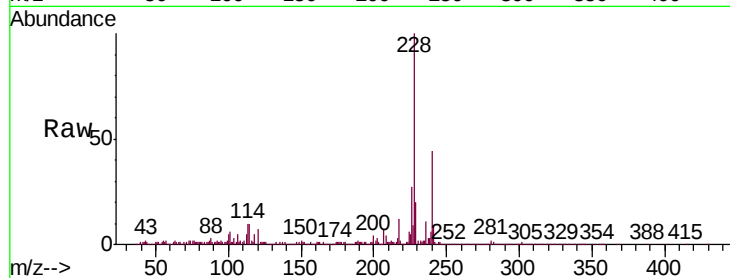
Tgt Ion:228 Resp: 1180301

Ion Ratio Lower Upper

228 100

229 20.2 15.2 22.8

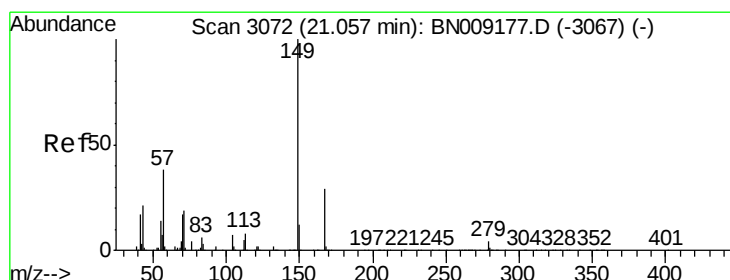
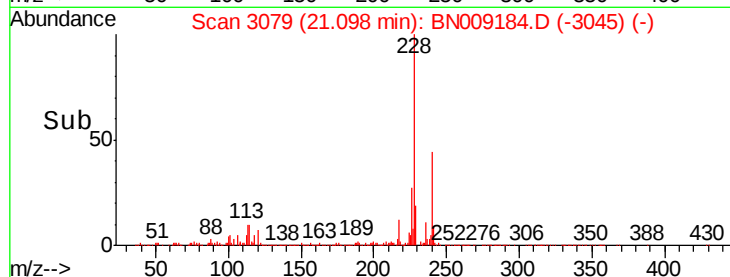
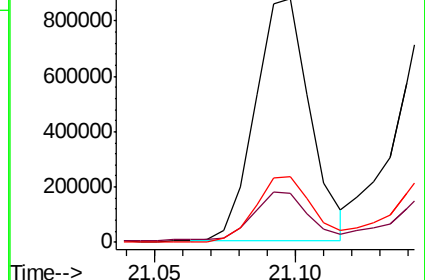
226 27.1 19.8 29.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.104 ng/u1

RT: 21.06 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

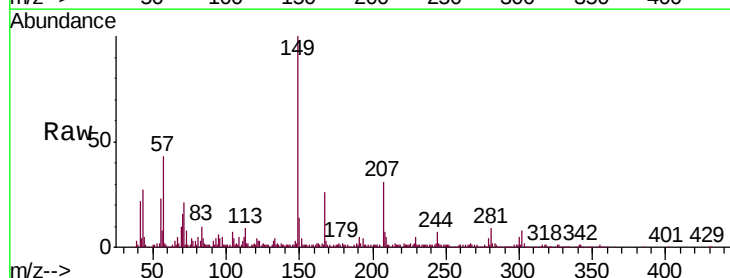
Tgt Ion:149 Resp: 211866

Ion Ratio Lower Upper

149 100

167 26.4 22.2 33.2

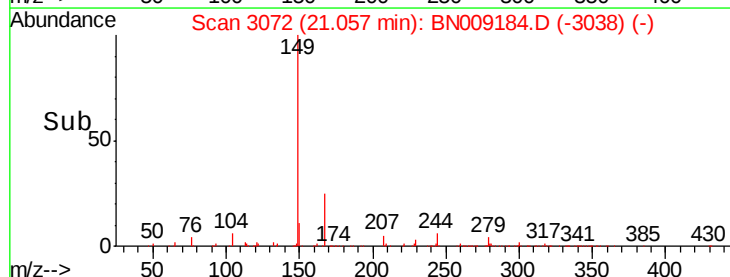
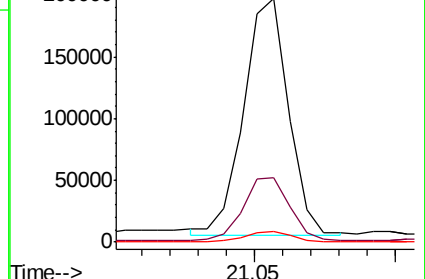
279 4.1 3.5 5.3

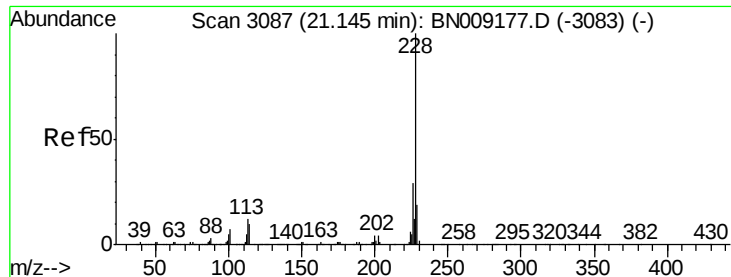


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 12.011 ng/u1

RT: 21.15 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

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CB5R8

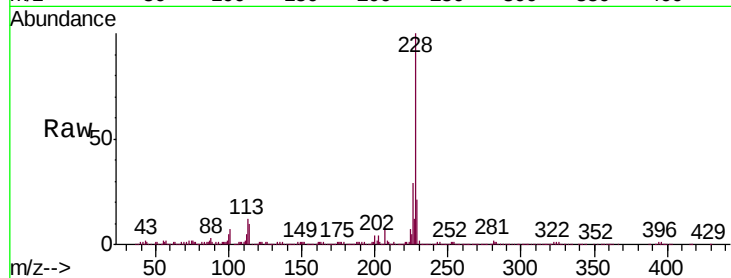
Tgt Ion:228 Resp: 1138485

Ion Ratio Lower Upper

228 100

226 29.2 23.9 35.9

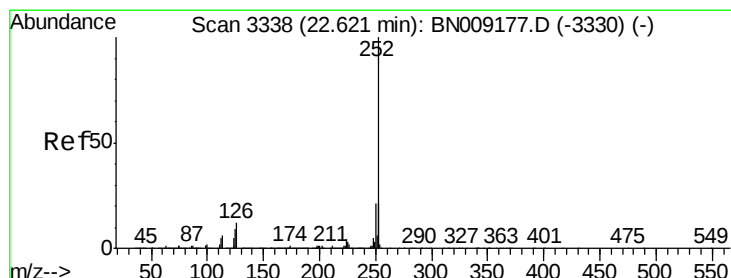
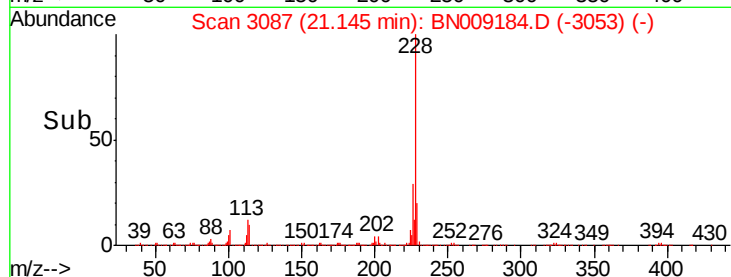
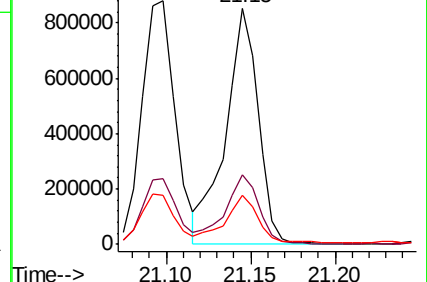
229 20.7 15.9 23.9



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: 17.108 ng/u1

RT: 22.62 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

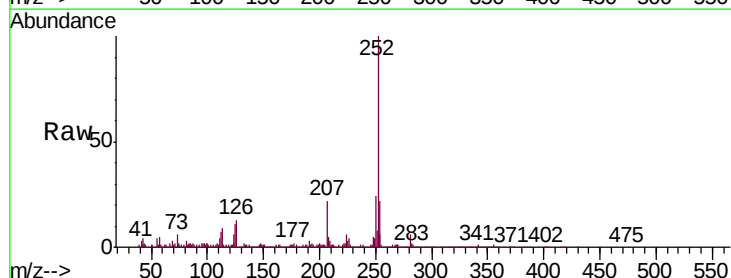
Tgt Ion:252 Resp: 1423173

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

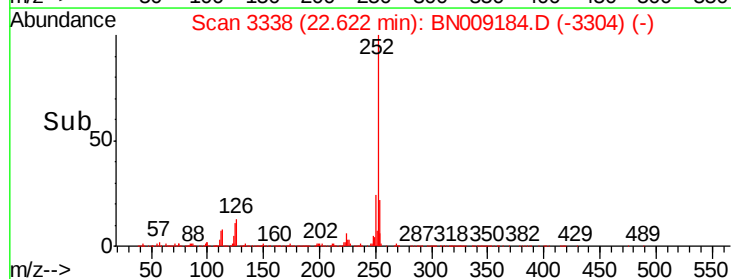
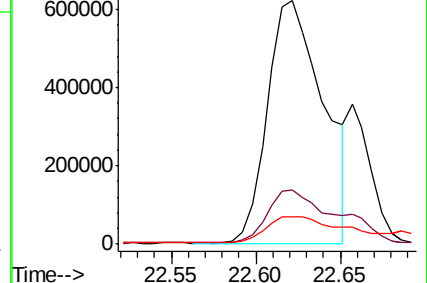
125 11.4 8.5 12.7

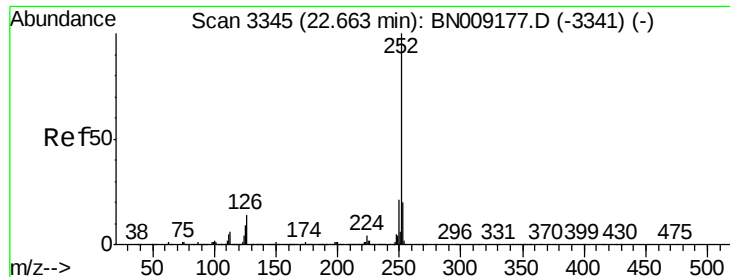


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.033 ng/ul

RT: 22.66 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

BNA_N

ClientSampleId :

CB5R8

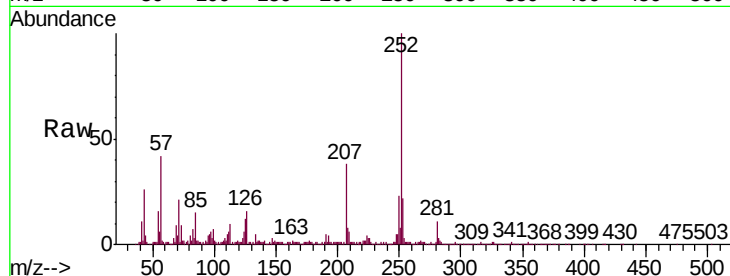
Tgt Ion:252 Resp: 327661

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

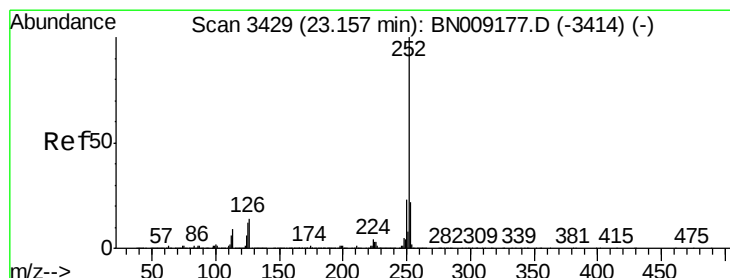
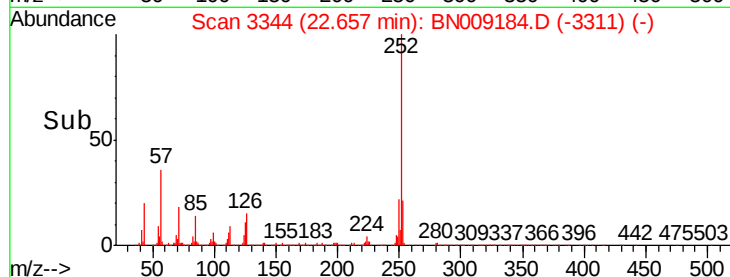
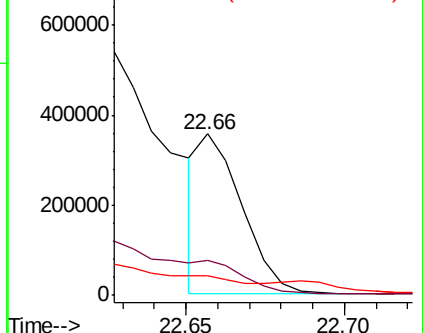
125 12.0 8.8 13.2



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



#90

Benzo(a)pyrene

Concen: 10.895 ng/ul

RT: 23.16 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

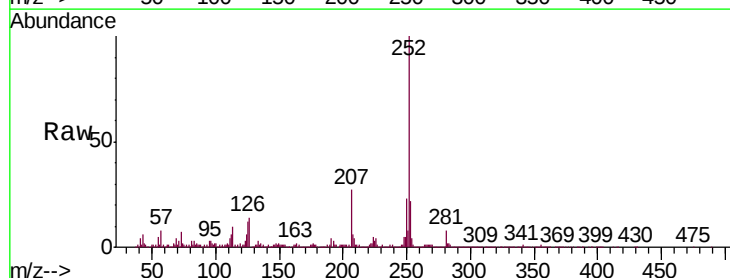
Tgt Ion:252 Resp: 832186

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

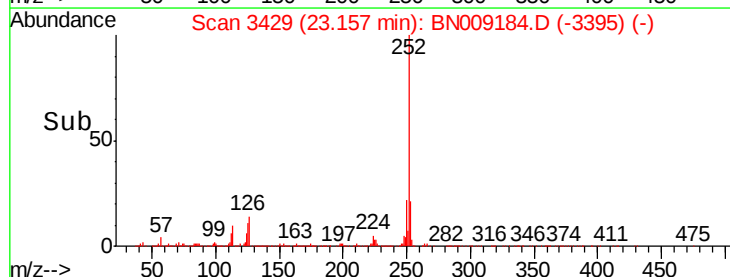
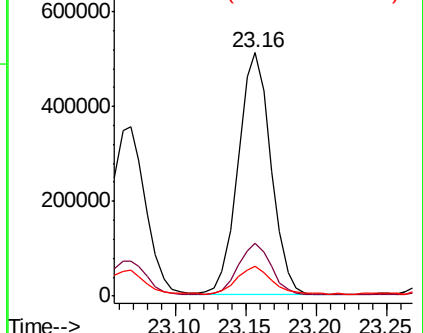
125 12.1 9.5 14.3

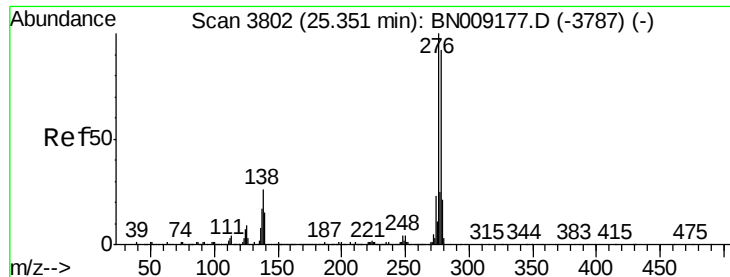


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



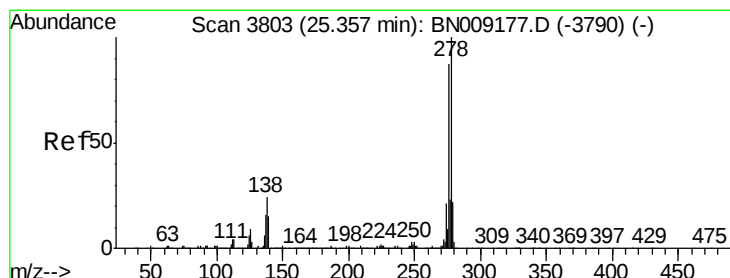
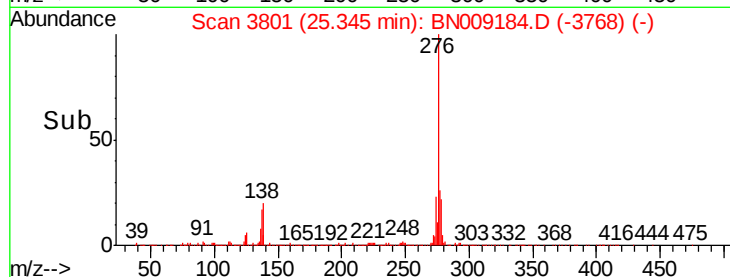
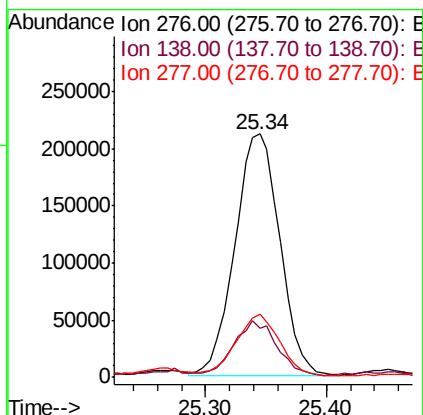
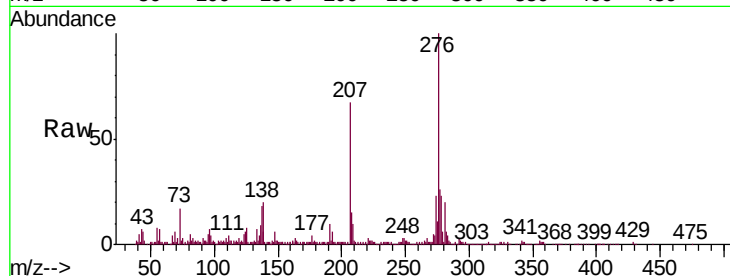


#91

Indeno(1,2,3-cd)pyrene
Concen: 5.913 ng/u1
RT: 25.34 min Scan# 3801
Delta R.T. -0.01 min
Lab File: BN009184.D
Acq: 26 Dec 2019 22:04

Instrument :
BNA_N
ClientSampled :
CB5R8

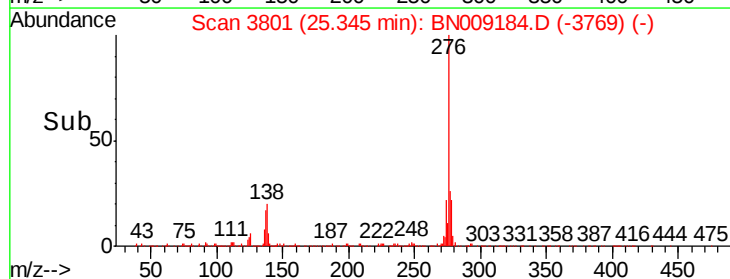
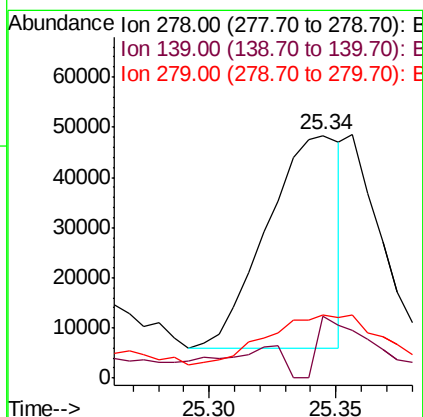
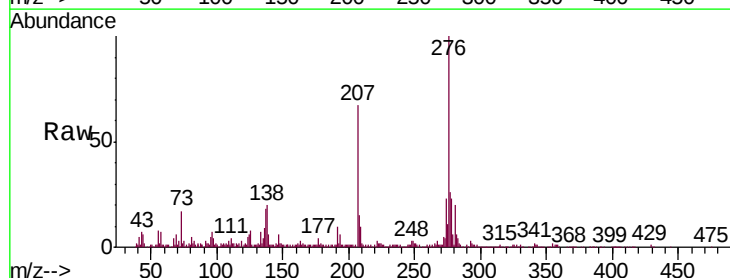
Tgt Ion:276 Resp: 547152
Ion Ratio Lower Upper
276 100
138 20.4 20.5 30.7#
277 26.1 20.2 30.4

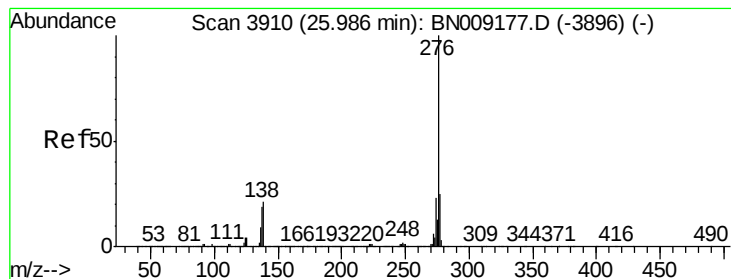


#92

Dibenzo(a,h)anthracene
Concen: 1.092 ng/u1
RT: 25.34 min Scan# 3801
Delta R.T. -0.01 min
Lab File: BN009184.D
Acq: 26 Dec 2019 22:04

Tgt Ion:278 Resp: 85324
Ion Ratio Lower Upper
278 100
139 25.2 12.4 18.6#
279 25.8 19.0 28.6





#93

Benzo(g,h,i)perylene

Concen: 6.519 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BN009184.D

Acq: 26 Dec 2019 22:04

Instrument :

BNA_N

ClientSampleId :

CB5R8

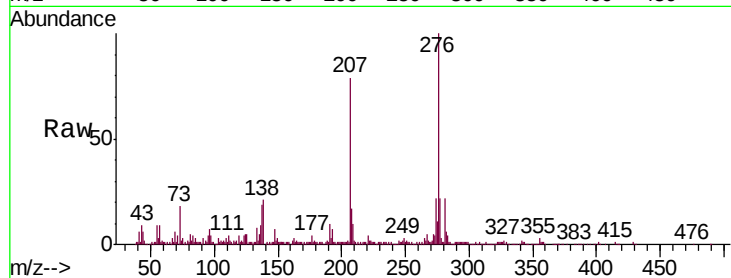
Tgt Ion: 276 Resp: 504811

Ion Ratio Lower Upper

276 100

138 20.9 17.8 26.6

277 21.6 18.9 28.3



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

