

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002010.D
 Acq On : 11 Jul 2018 14:50
 Operator : JU/SJ
 Sample : J3775-20
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:42:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 11 22:41:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	445913	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2055356	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1222189	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	2781591	20.00	ng/ul	0.00
75) Chrysene-d12	21.30	240	2726887	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	2418893	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	40785	3.97	ng/uL	0.00
5) Phenol-d5	6.89	99	1054112	26.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	641410	25.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	844316	26.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	831192	25.71	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	425214	27.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	483311	30.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	881314	26.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	563010	16.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	2657541	25.75	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	3453035	27.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	448616	23.60	ng/ul	0.00
57) Fluorene-d10	15.33	176	2439068	26.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	367658	24.27	ng/ul	0.00
70) Anthracene-d10	17.19	188	3675066	27.35	ng/ul	0.00
76) Pyrene-d10	19.49	212	4035511	29.36	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.40	264	3556987	27.04	ng/ul	0.02

Target Compounds

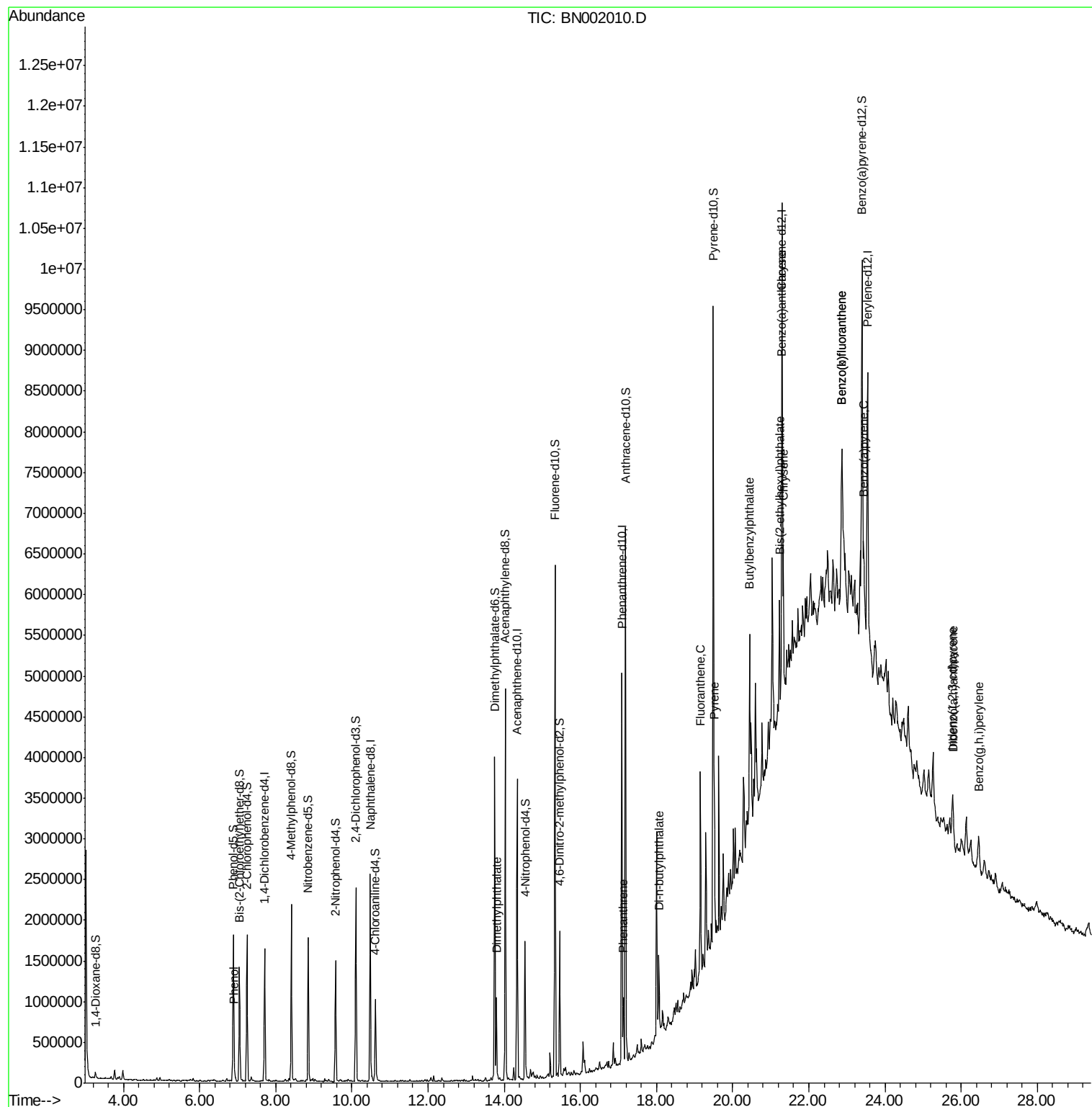
					Ovalue	
6) Phenol	6.91	94	61461	1.510	ng/ul#	89
44) Dimethylphthalate	13.80	163	643411	6.343	ng/ul#	99
69) Phenanthrene	17.13	178	485166	3.096	ng/ul	99
73) Di-n-butylphthalate	18.06	149	667455	3.978	ng/ul	100
74) Fluoranthene	19.15	202	1472861	8.942	ng/ul#	89
77) Pyrene	19.52	202	1243161	7.285	ng/ul#	88
78) Butylbenzylphthalate	20.44	149	96483	1.325	ng/ul#	81
80) Benzo(a)anthracene	21.28	228	657028	3.812	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.23	149	467747	4.308	ng/ul	100
82) Chrysene	21.33	228	958670	5.979	ng/ul	97
85) Benzo(b)fluoranthene	22.87	252	1367894	8.954	ng/ul#	89
86) Benzo(k)fluoranthene	22.87	252	1367894	9.233	ng/ul#	88
88) Benzo(a)pyrene	23.44	252	596036	4.175	ng/ul#	84
89) Indeno(1,2,3-cd)pyrene	25.77	276	576203	3.793	ng/ul#	87
90) Dibenzo(a,h)anthracene	25.78	278	150842	1.193	ng/ul#	70
91) Benzo(g,h,i)perylene	26.46	276	527704	4.211	ng/ul#	86

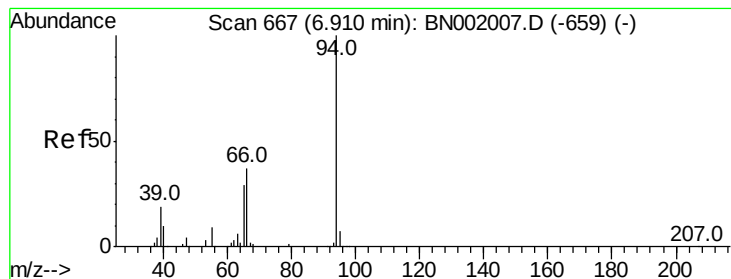
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.510 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. 0.00 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampleId :

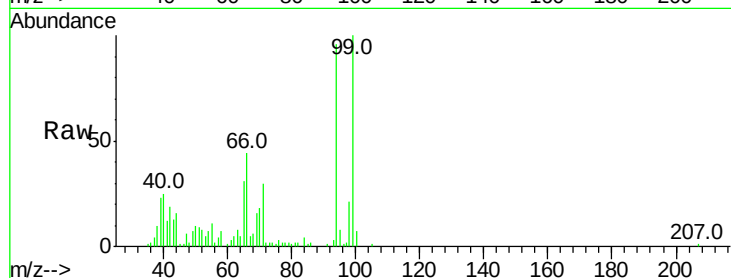
Tot Ion: 94 Resp: 61461

Ion Ratio Lower Upper

94 100

65 32.6 23.0 34.6

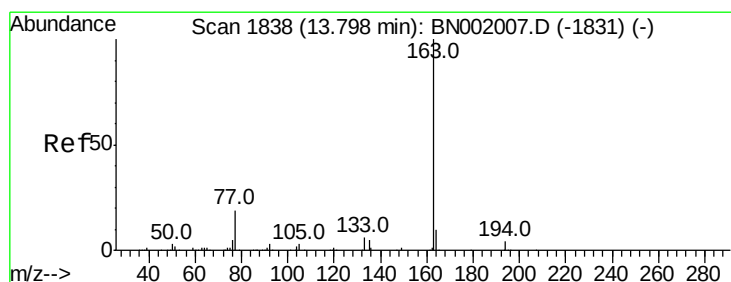
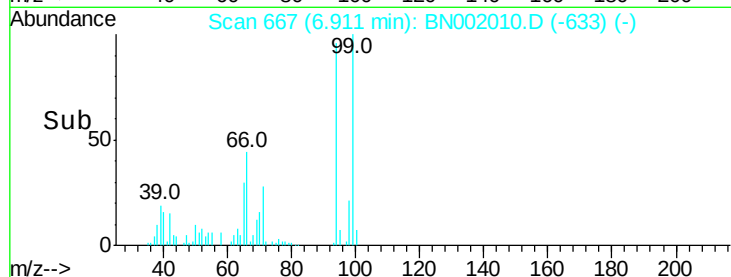
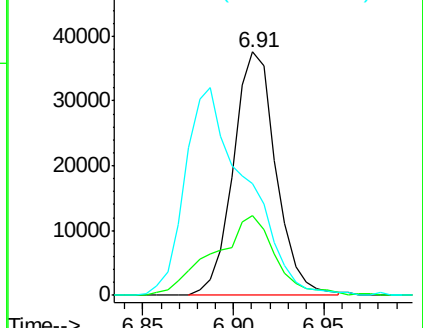
66 46.1 30.4 45.6#



Abundance Ion 94.00 (93.70 to 94.70): BN002007.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BN002007.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BN002007.D (-659) (-)



#44

Dimethylphthalate

Concen: 6.343 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

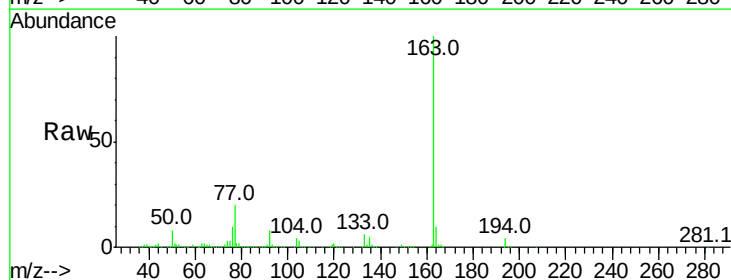
Tgt Ion:163 Resp: 643411

Ion Ratio Lower Upper

163 100

194 4.0 4.0 6.0#

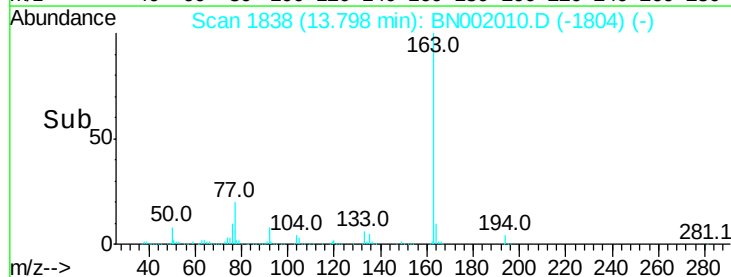
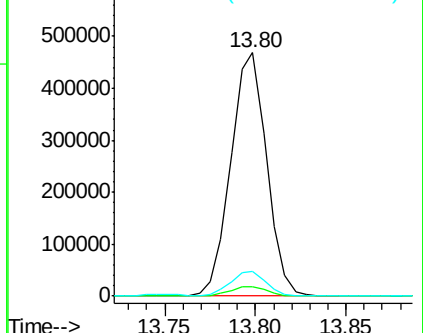
164 10.3 8.4 12.6

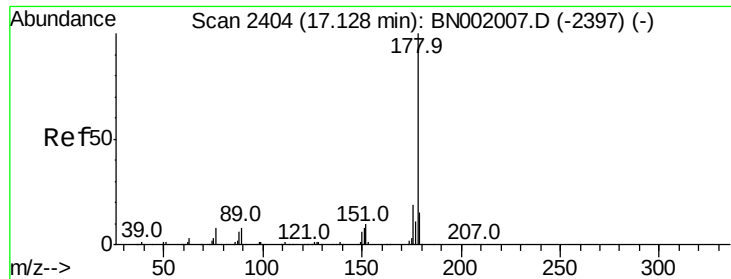


Abundance Ion 163.00 (162.70 to 163.70): BN002007.D (-1831) (-)

Ion 194.00 (193.70 to 194.70): BN002007.D (-1831) (-)

Ion 164.00 (163.70 to 164.70): BN002007.D (-1831) (-)





#69

Phenanthrene

Concen: 3.096 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampleId :

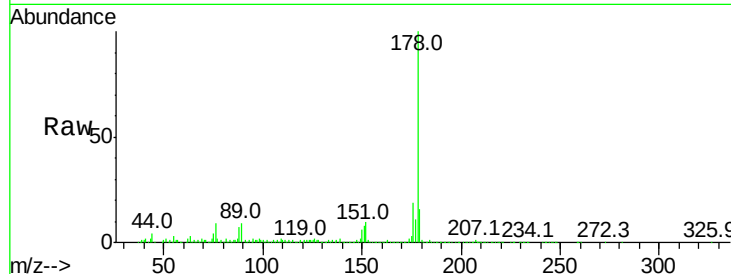
Tot Ion:178 Resp: 485166

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

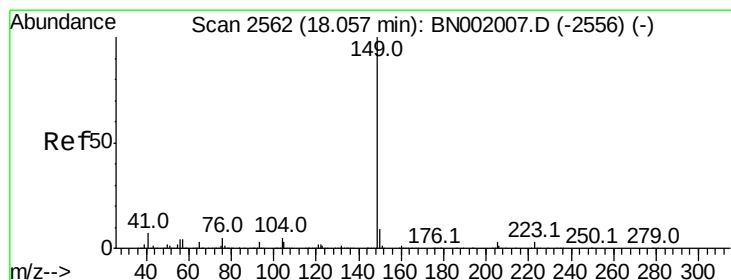
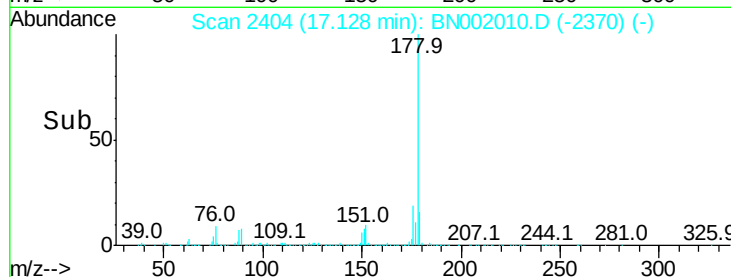
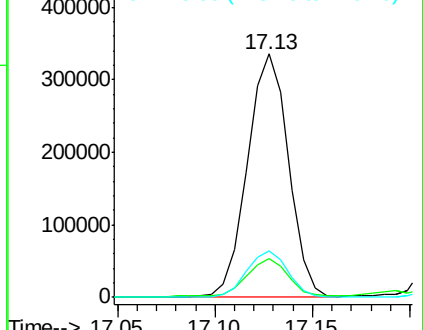
176 19.1 15.4 23.0



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



#73

Di-n-butylphthalate

Concen: 3.978 ng/ul

RT: 18.06 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

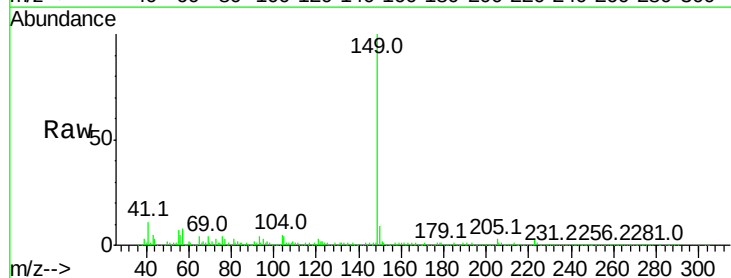
Tgt Ion:149 Resp: 667455

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

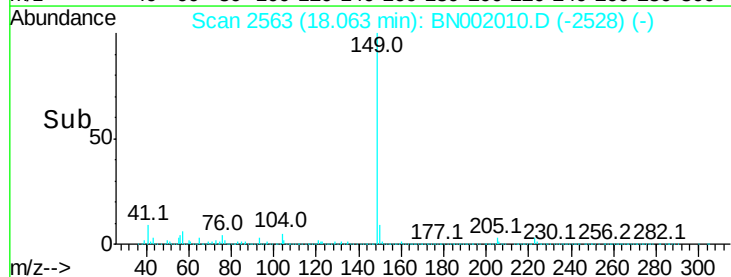
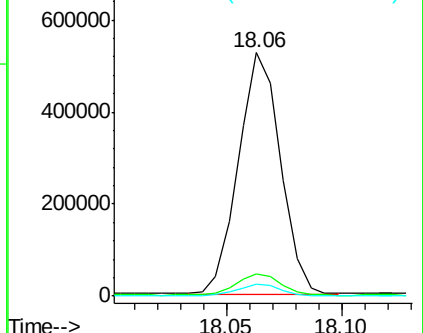
104 4.9 4.1 6.1

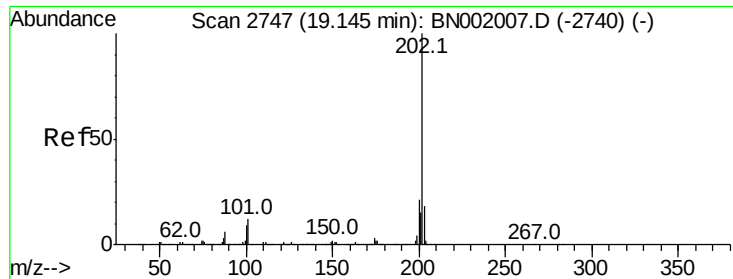


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 8.942 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampled :

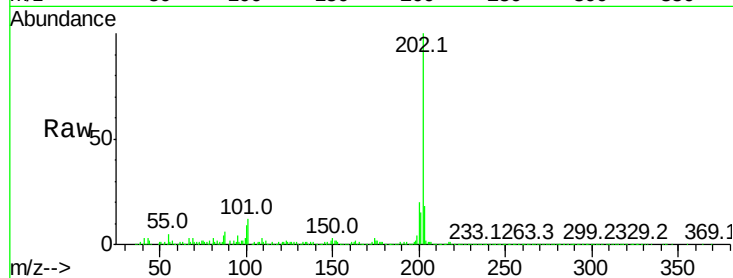
Tot Ion:202 Resp: 1472861

Ion Ratio Lower Upper

202 100

101 12.2 6.1 9.1#

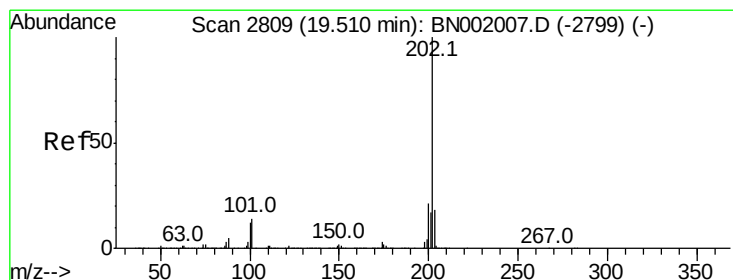
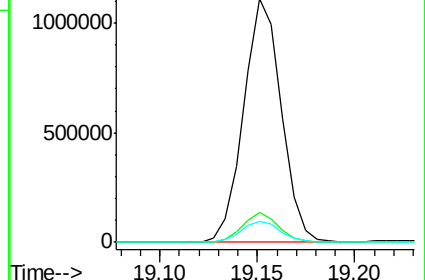
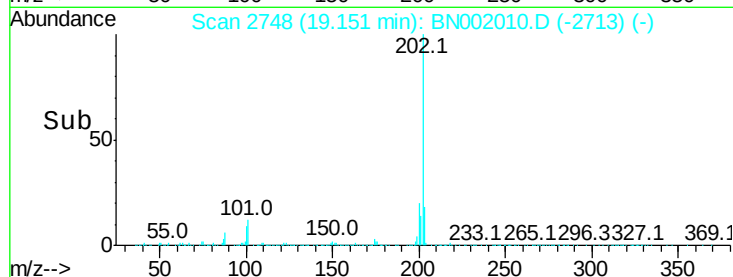
100 8.8 4.6 7.0#



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



#77

Pyrene

Concen: 7.285 ng/ul

RT: 19.52 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

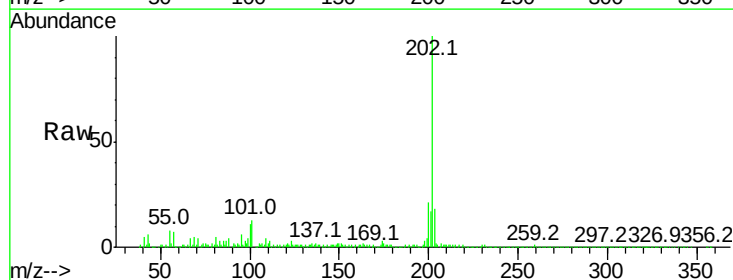
Tgt Ion:202 Resp: 1243161

Ion Ratio Lower Upper

202 100

101 13.1 6.9 10.3#

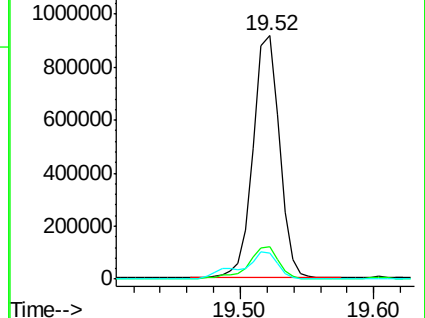
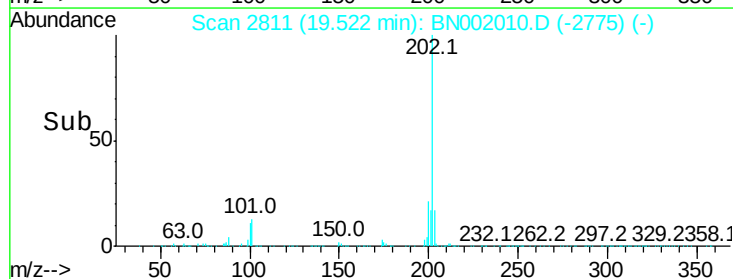
100 10.6 5.6 8.4#

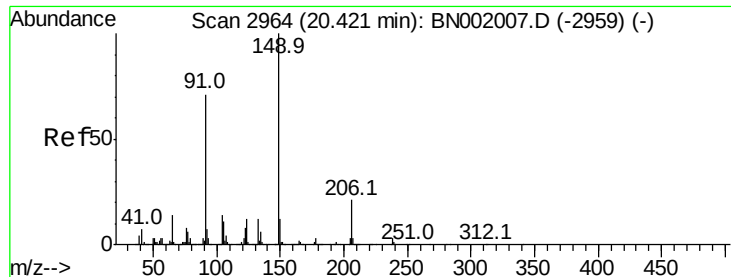


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 1.325 ng/ul

RT: 20.44 min Scan# 2967

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampleId :

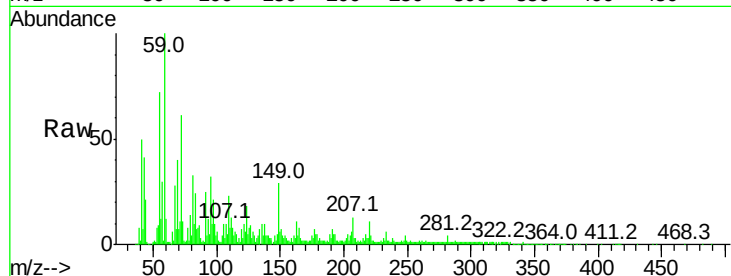
Tot Ion:149 Resp: 96483

Ion Ratio Lower Upper

149 100

91 85.5 53.4 80.0#

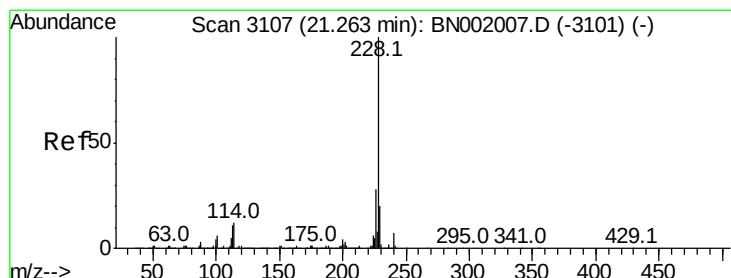
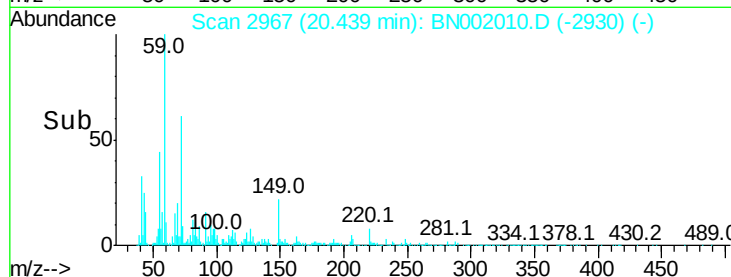
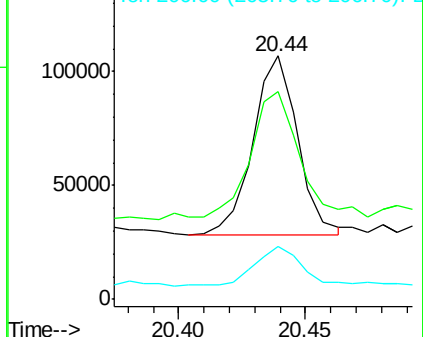
206 21.8 19.3 28.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BNA

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 3.812 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

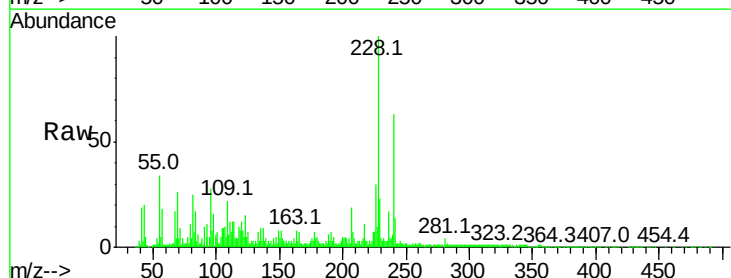
Tgt Ion:228 Resp: 657028

Ion Ratio Lower Upper

228 100

229 22.6 16.0 24.0

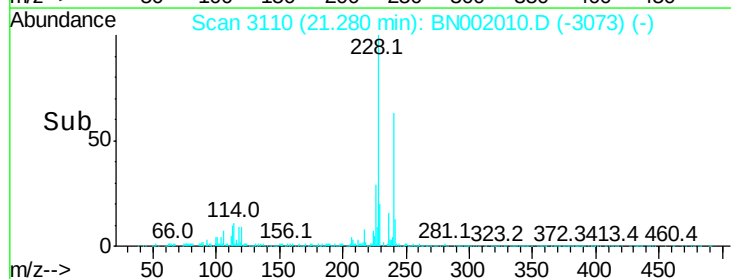
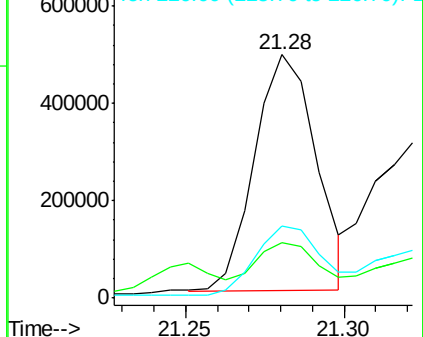
226 29.5 21.8 32.8

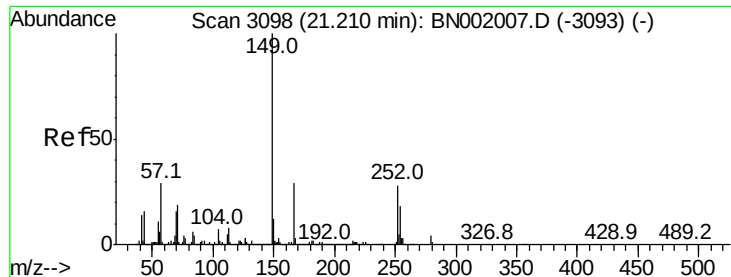


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 4.308 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

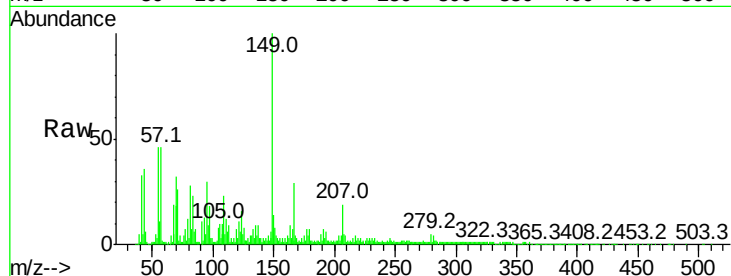
Instrument :

BNA_N

ClientSampleId :

Tot Ion:149 Resp: 467747

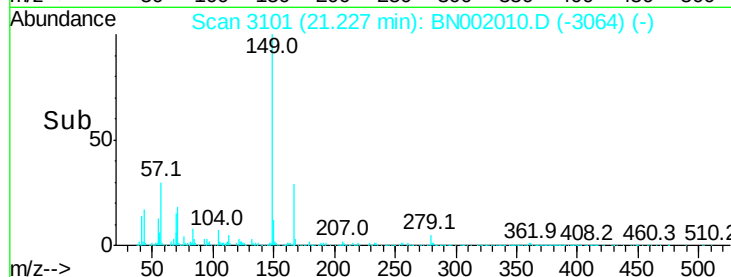
Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.0	34.6
279	4.9	4.3	6.5



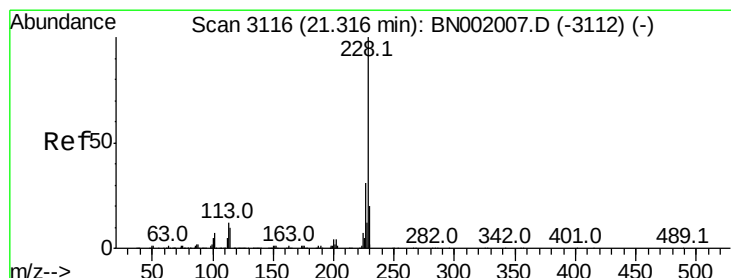
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#82

Chrysene

Concen: 5.979 ng/ul

RT: 21.33 min Scan# 3119

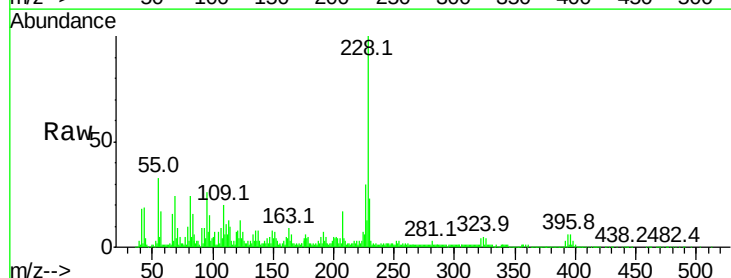
Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Tgt Ion:228 Resp: 958670

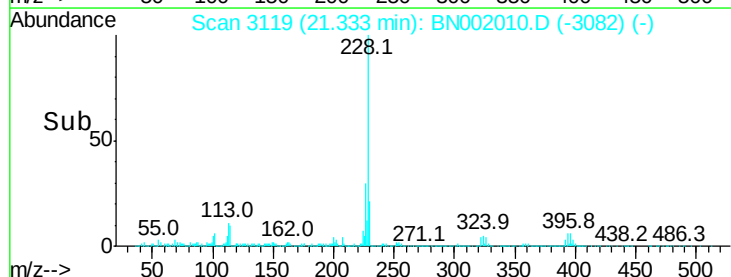
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	22.9	16.0	24.0



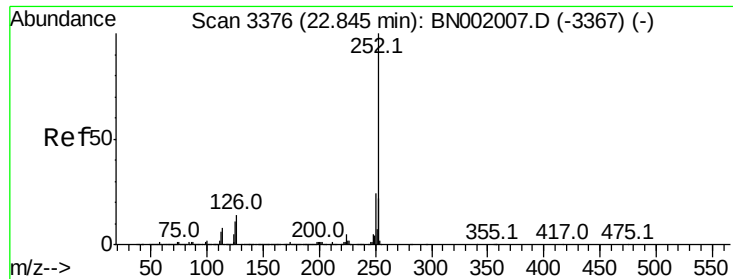
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 8.954 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampleId :

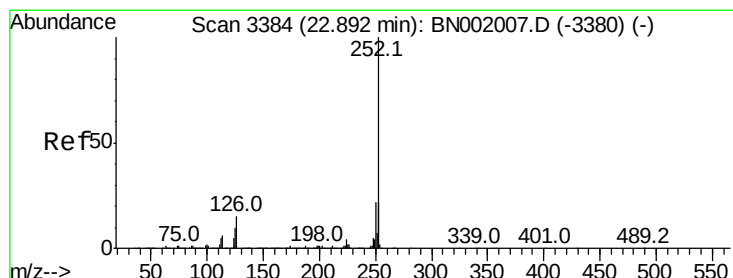
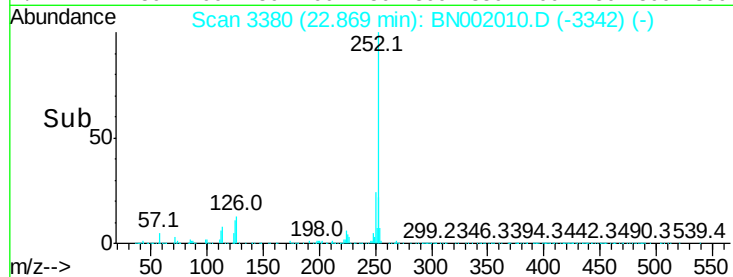
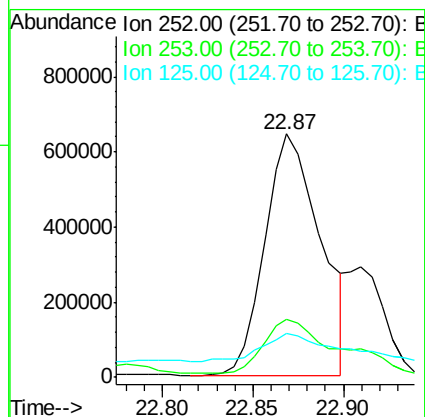
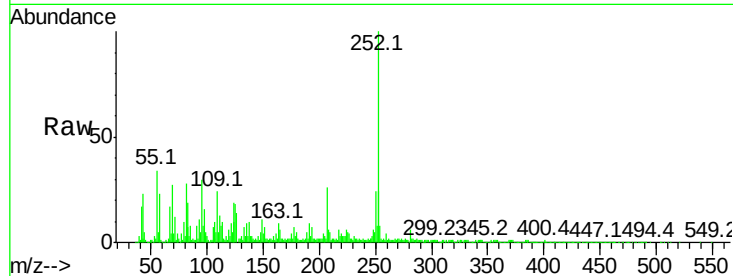
Tot Ion:252 Resp: 1367894

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 18.0 4.9 7.3#



#86

Benzo(k)fluoranthene

Concen: 9.233 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. -0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

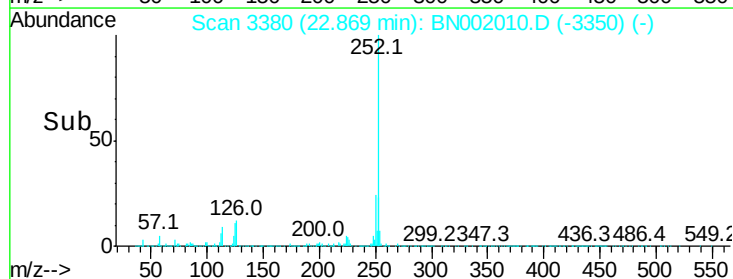
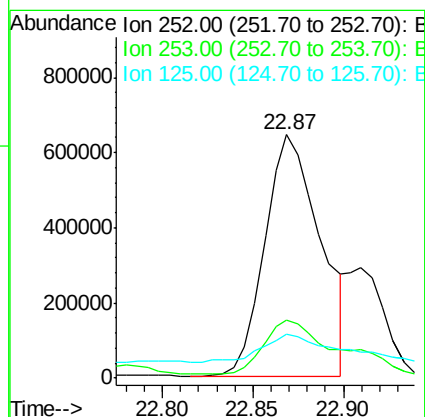
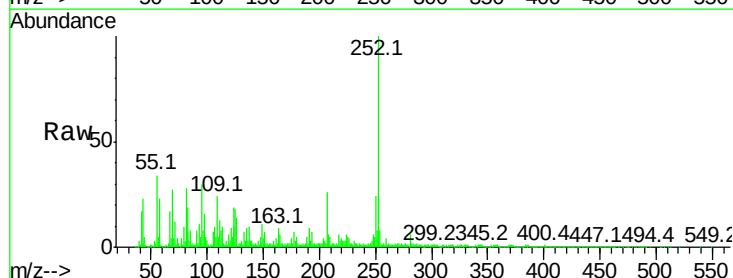
Tgt Ion:252 Resp: 1367894

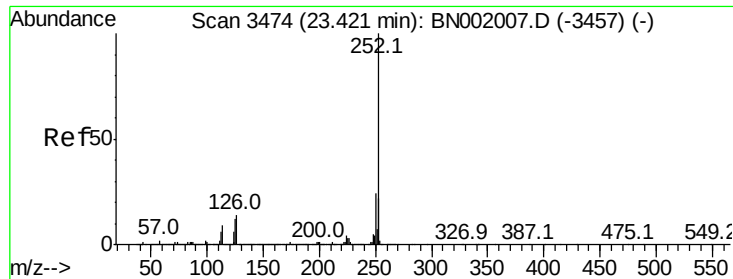
Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 18.0 5.4 8.0#





#88

Benzo(a)pyrene

Concen: 4.175 ng/ul

RT: 23.44 min Scan# 3477

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampleId :

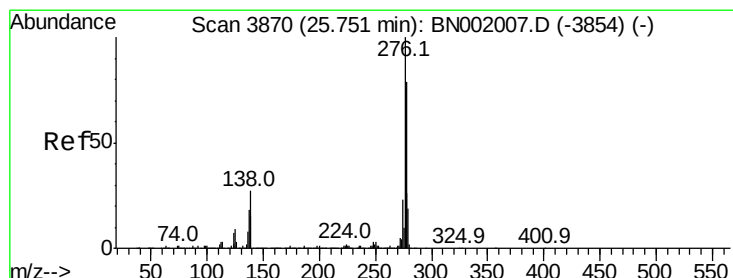
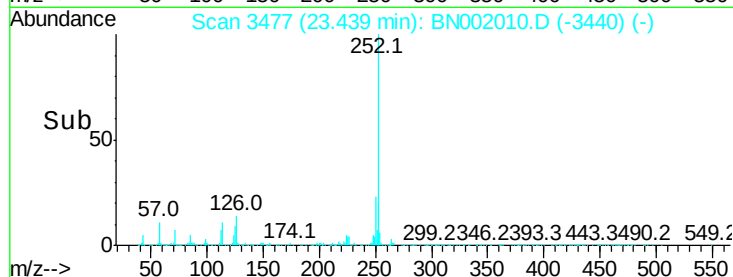
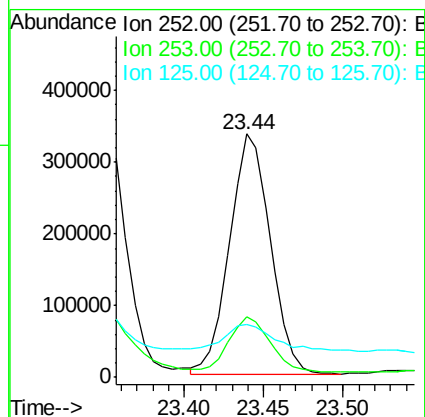
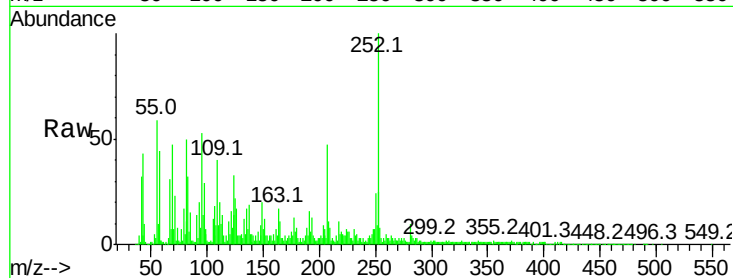
Tot Ion:252 Resp: 596036

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

125 22.0 5.8 8.6#



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.793 ng/ul

RT: 25.77 min Scan# 3874

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

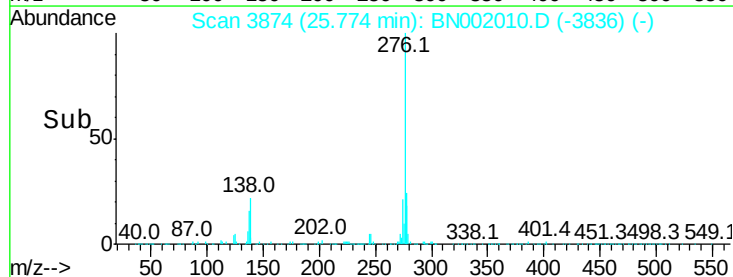
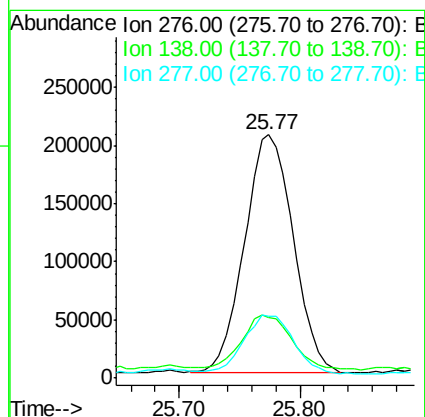
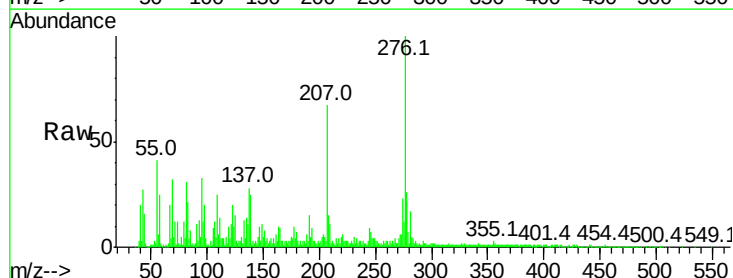
Tgt Ion:276 Resp: 576203

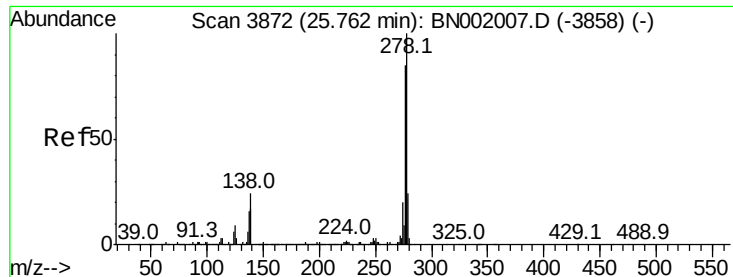
Ion Ratio Lower Upper

276 100

138 24.7 10.9 16.3#

277 25.5 18.9 28.3





#90

Dibenzo(a,h)anthracene

Concen: 1.193 ng/ul

RT: 25.78 min Scan# 3875

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Instrument :

BNA_N

ClientSampleId :

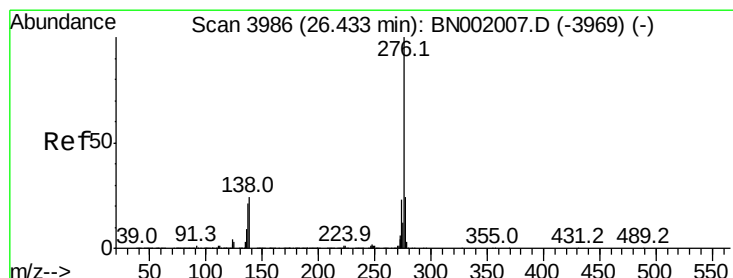
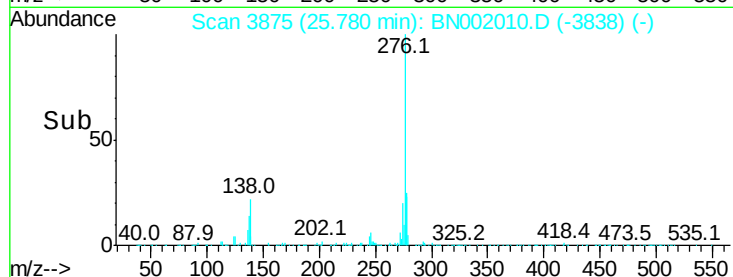
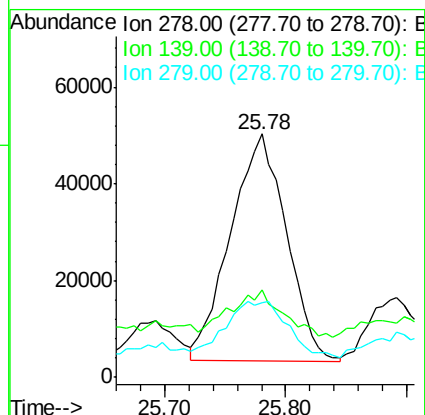
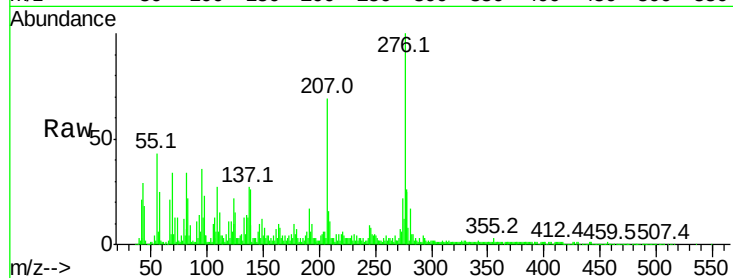
Tot Ion:278 Resp: 150842

Ion Ratio Lower Upper

278 100

139 36.0 9.0 13.4#

279 30.4 19.1 28.7#



#91

Benzo(g,h,i)perylene

Concen: 4.211 ng/ul

RT: 26.46 min Scan# 3990

Delta R.T. 0.02 min

Lab File: BN002010.D

Acq: 11 Jul 2018 14:50

Tgt Ion:276 Resp: 527704

Ion Ratio Lower Upper

276 100

138 26.5 11.2 16.8#

277 25.7 19.0 28.6

