

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070318\
 Data File : BN001950.D
 Acq On : 03 Jul 2018 19:03
 Operator : JU/SJ
 Sample : J3721-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 04 01:03:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	768894	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3468391	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1898767	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3963333	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2556601	20.00	ng/ul	0.00
83) Perylene-d12	23.53	264	2538694	20.00	ng/ul	0.02

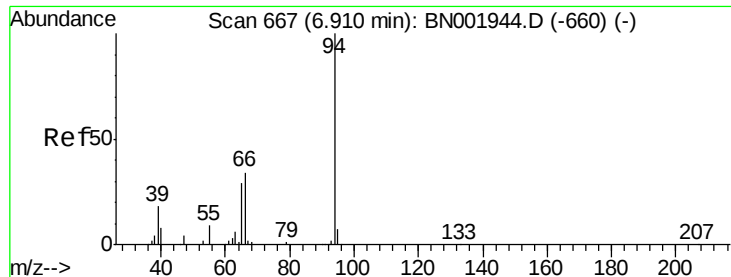
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	57478	3.25	ng/uL	0.00
5) Phenol-d5	6.88	99	1257828	18.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	900946	20.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1107652	20.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	1046481	18.77	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	588655	22.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	632712	23.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	1117922	19.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1065773	18.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3448715	21.51	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4511200	22.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	181580	6.15	ng/ul	0.00
57) Fluorene-d10	15.33	176	3043265	21.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	303346	14.05	ng/ul	0.00
70) Anthracene-d10	17.18	188	4367314	22.81	ng/ul	0.00
76) Pyrene-d10	19.49	212	3973347	30.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	3111791	22.54	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.91	94	140531	2.003	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.16	93	66410	1.221	ng/ul#	25
28) Naphthalene	10.53	128	188749	1.026	ng/ul	98
44) Dimethylphthalate	13.80	163	1608801	10.209	ng/ul#	99
47) Acenaphthylene	14.06	152	1850579	9.686	ng/ul	100
69) Phenanthrene	17.12	178	810344	3.630	ng/ul	99
71) Anthracene	17.22	178	3240959	14.341	ng/ul	98
72) Carbazole	17.49	167	811408	4.286	ng/ul	97
74) Fluoranthene	19.15	202	14129403	60.207	ng/ul#	80
80) Benzo(a)anthracene	21.33	228	11719883	72.534	ng/ul	92
82) Chrysene	21.33	228	11761649	78.234	ng/ul	95
85) Benzo(b)fluoranthene	22.87	252	19629700	122.423	ng/ul#	91
86) Benzo(k)fluoranthene	22.87	252	19629700	126.248	ng/ul#	91
88) Benzo(a)pyrene	23.44	252	11353515	75.772	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.77	276	8658015	54.303	ng/ul#	88
90) Dibenzo(a,h)anthracene	25.77	278	2306121	17.379	ng/ul#	89
91) Benzo(g,h,i)perylene	26.46	276	7205834	54.788	ng/ul#	90

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



#6

Phenol

Concen: 2.003 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. -0.00 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

Instrument :

BNA_N

ClientSampled :

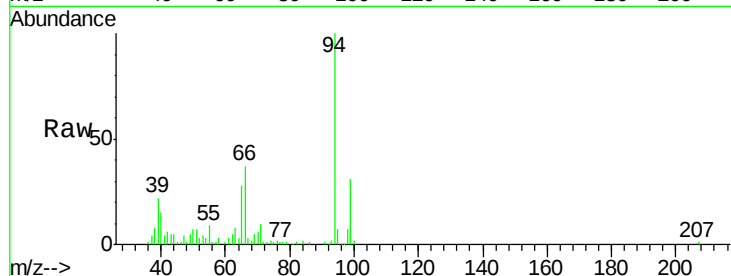
Tot Ion: 94 Resp: 140531

Ion Ratio Lower Upper

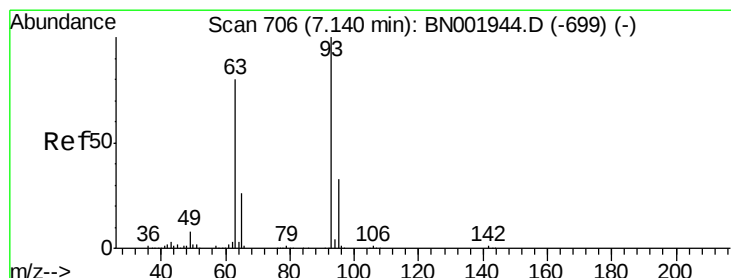
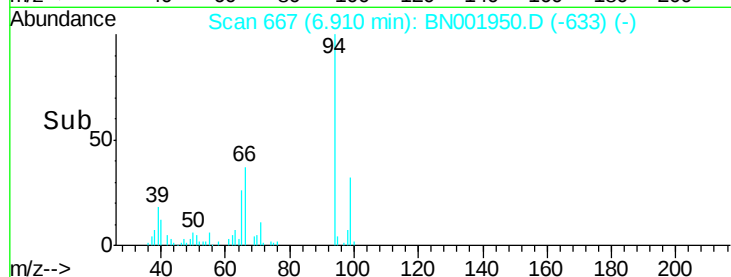
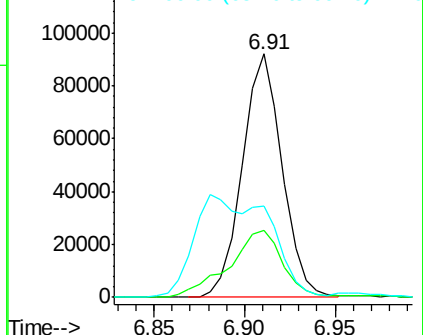
94 100

65 27.7 23.0 34.6

66 37.5 30.4 45.6



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#8

Bis(2-Chloroethyl)ether

Concen: 1.221 ng/ul

RT: 7.16 min Scan# 710

Delta R.T. 0.02 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

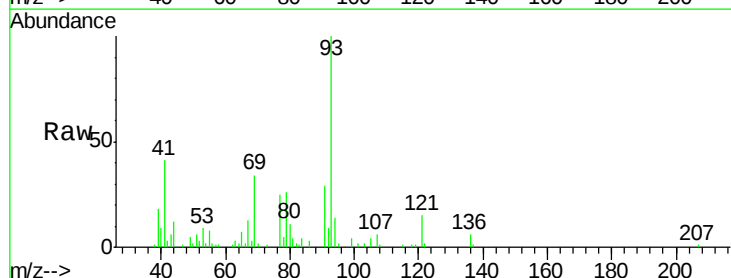
Tgt Ion: 93 Resp: 66410

Ion Ratio Lower Upper

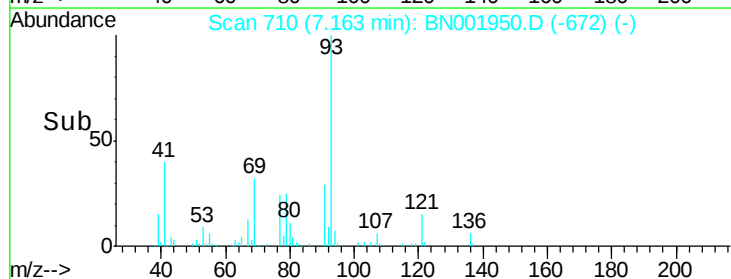
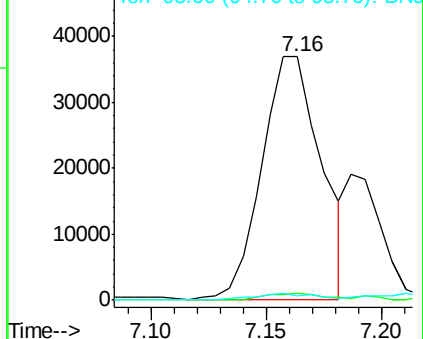
93 100

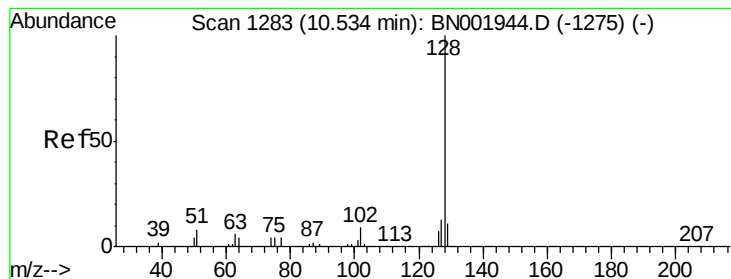
63 2.8 59.4 89.2#

95 2.0 26.4 39.6#



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#28

Naphthalene

Concen: 1.026 ng/ul

RT: 10.53 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

Instrument :

BNA_N

ClientSampleId :

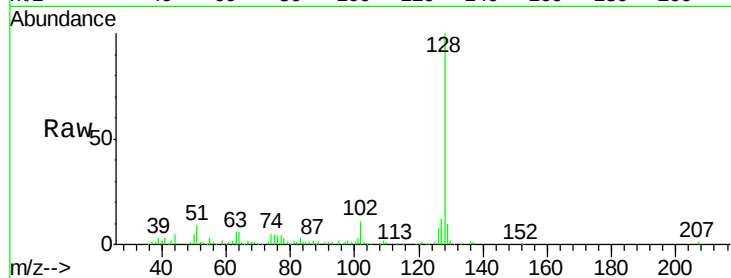
Tot Ion:128 Resp: 188749

Ion Ratio Lower Upper

128 100

129 10.2 8.3 12.5

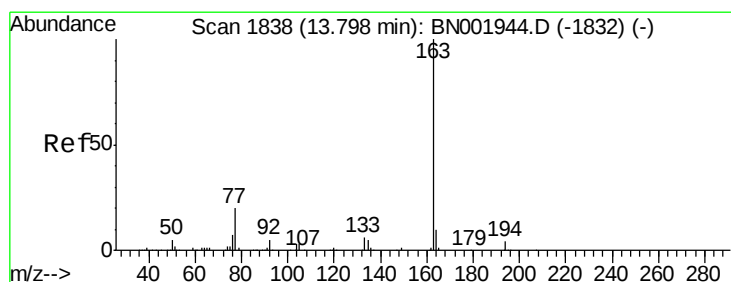
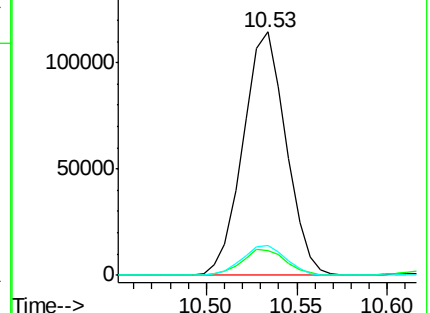
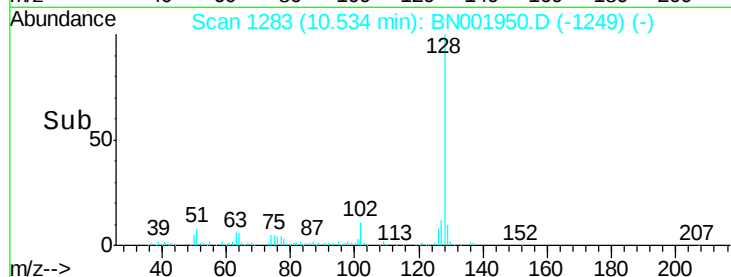
127 12.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 10.209 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

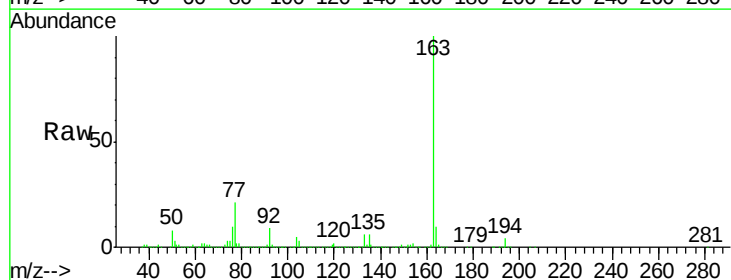
Tgt Ion:163 Resp: 1608801

Ion Ratio Lower Upper

163 100

194 4.0 4.0 6.0#

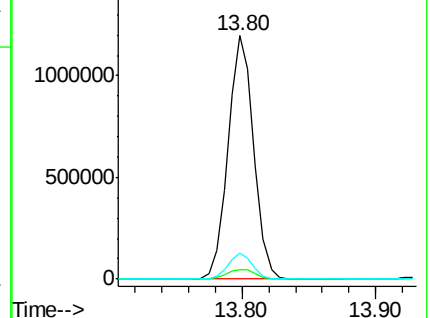
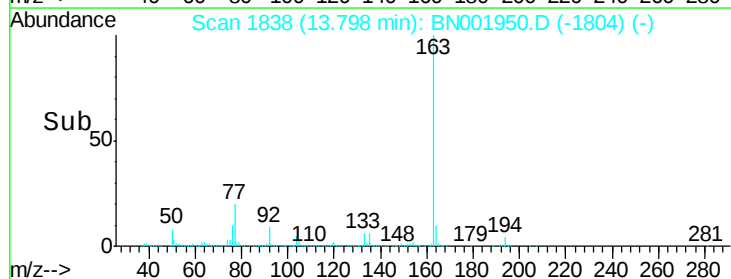
164 10.5 8.4 12.6

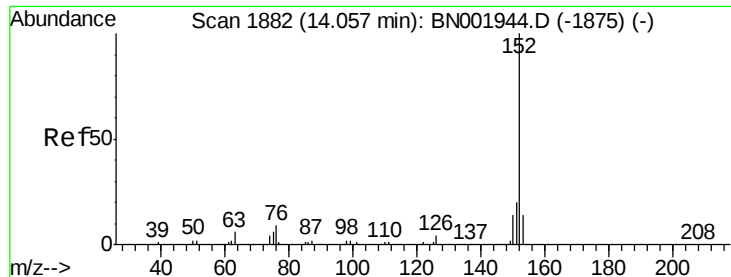


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 9.686 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

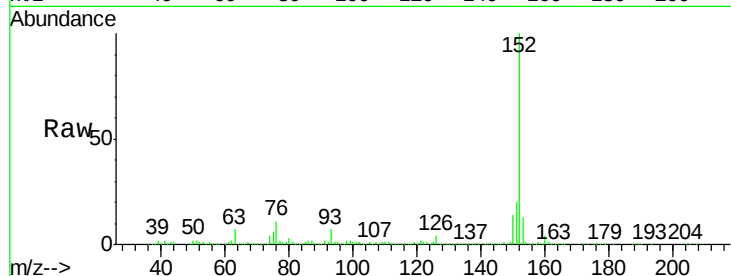
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 1850579

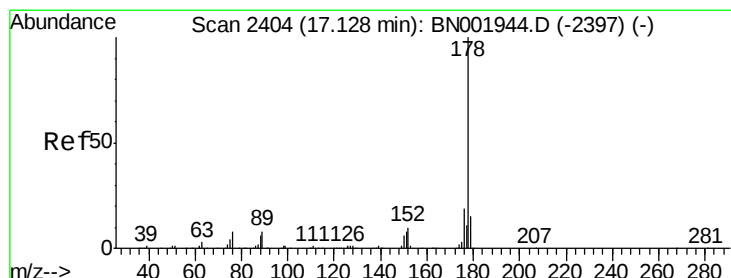
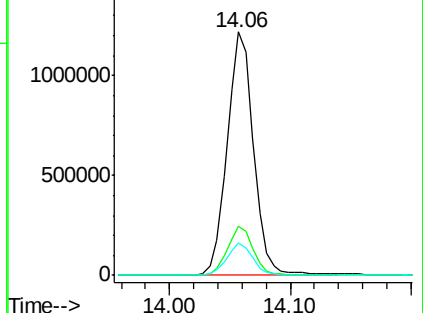
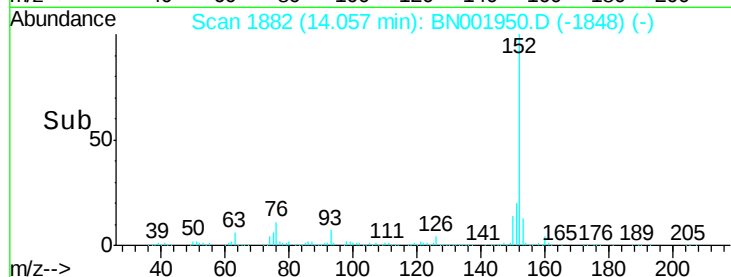
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.3	10.8	16.2



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



#69

Phenanthrene

Concen: 3.630 ng/ul

RT: 17.12 min Scan# 2403

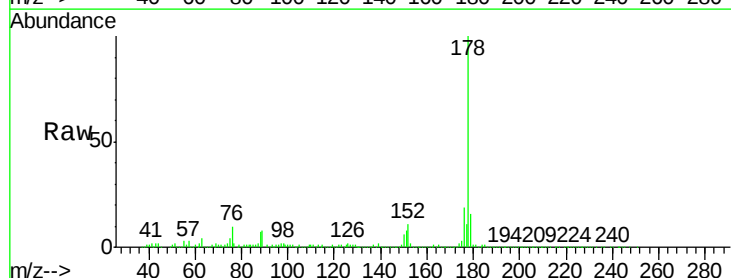
Delta R.T. -0.01 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

Tgt Ion:178 Resp: 810344

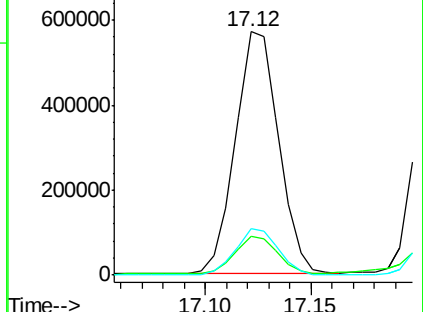
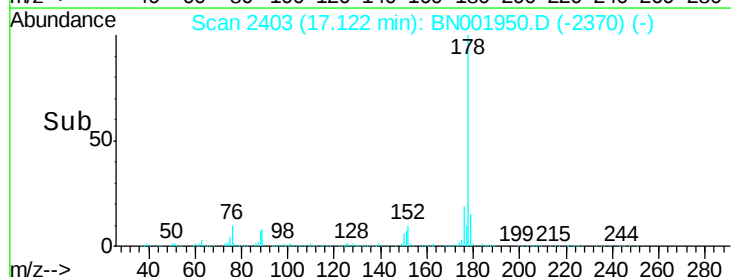
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.9	15.4	23.0

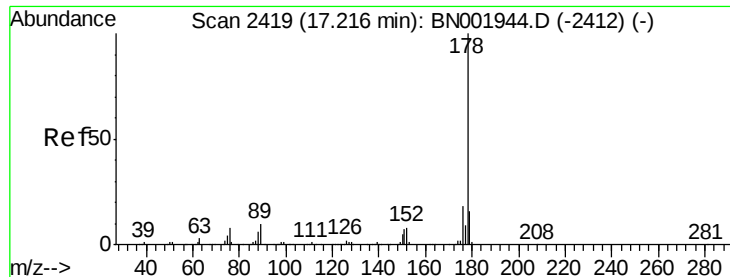


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

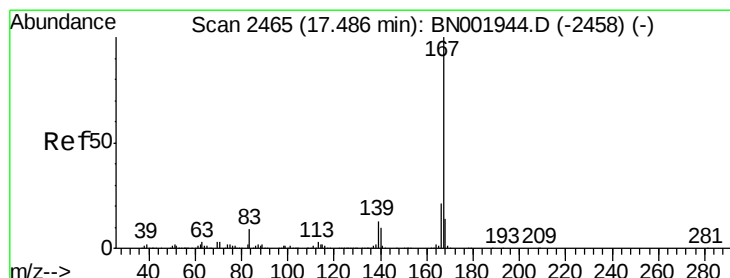
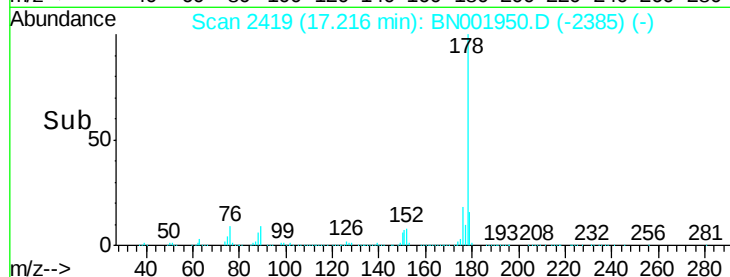
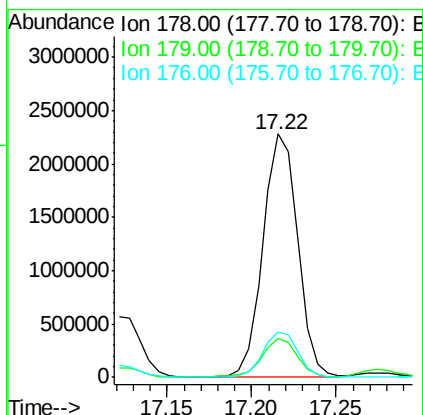
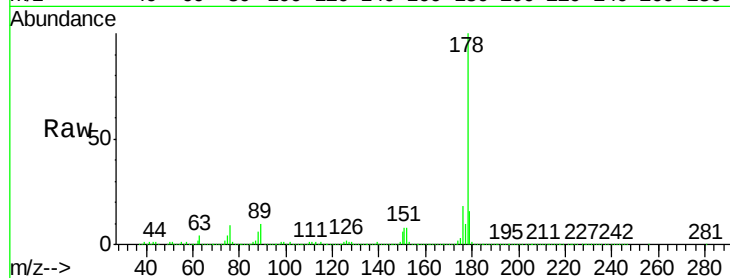




#71
 Anthracene
 Concen: 14.341 ng/ul
 RT: 17.22 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BN001950.D
 Acq: 03 Jul 2018 19:03

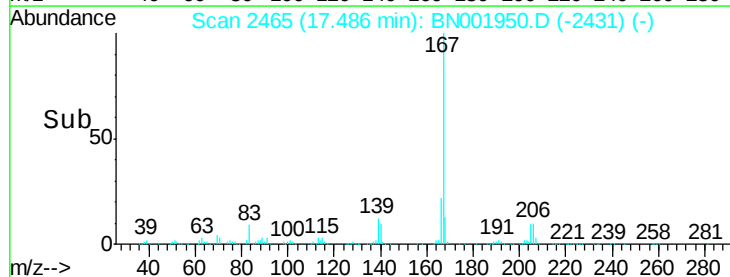
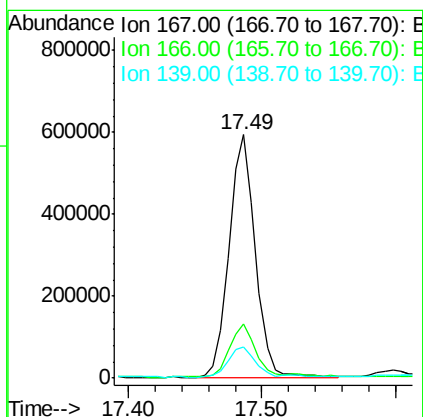
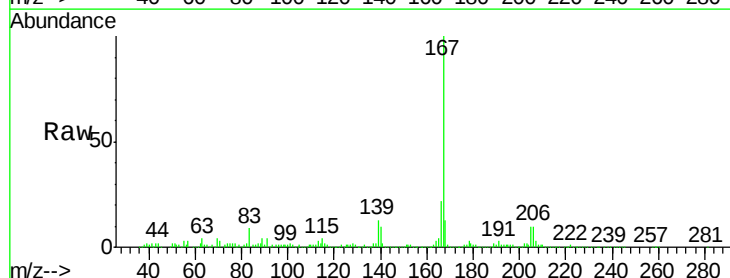
Instrument :
 BNA_N
 ClientSampleId :

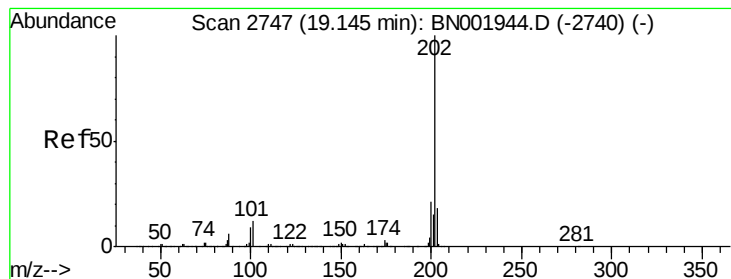
Tot Ion:178 Resp: 3240959
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.4 20.2
 176 18.3 15.4 23.0



#72
 Carbazole
 Concen: 4.286 ng/ul
 RT: 17.49 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BN001950.D
 Acq: 03 Jul 2018 19:03

Tgt Ion:167 Resp: 811408
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.0 25.4
 139 12.9 9.1 13.7





#74

Fluoranthene

Concen: 60.207 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

Instrument :

BNA_N

ClientSampled :

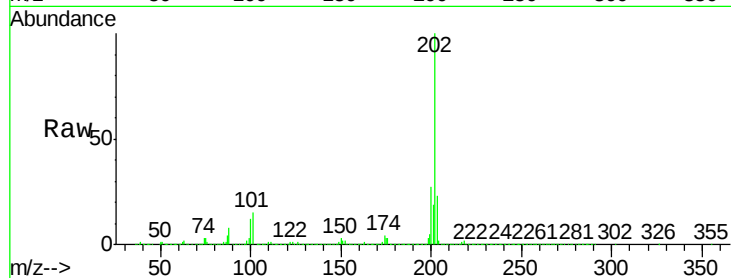
Tot Ion:202 Resp:14129403

Ion Ratio Lower Upper

202 100

101 15.3 6.1 9.1#

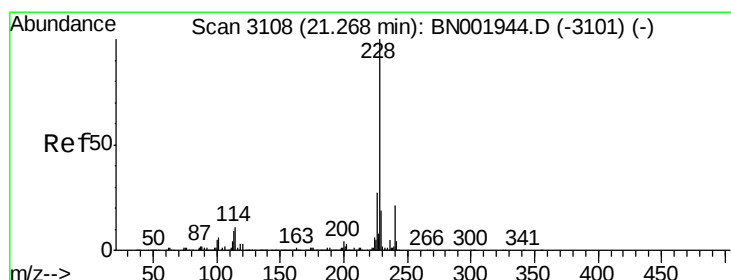
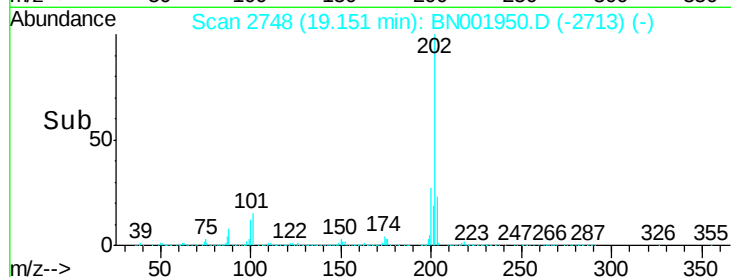
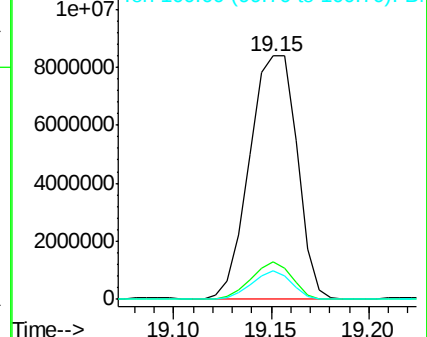
100 11.8 4.6 7.0#



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): E



#80

Benzo(a)anthracene

Concen: 72.534 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.06 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

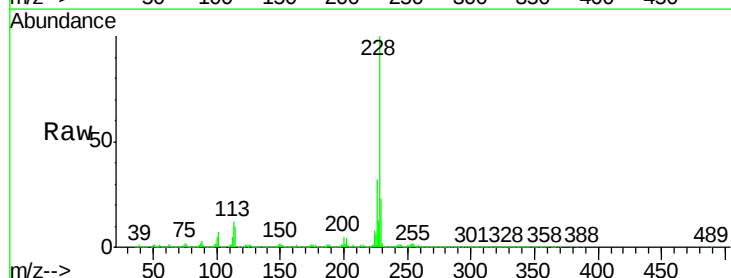
Tgt Ion:228 Resp:11719883

Ion Ratio Lower Upper

228 100

229 23.0 16.0 24.0

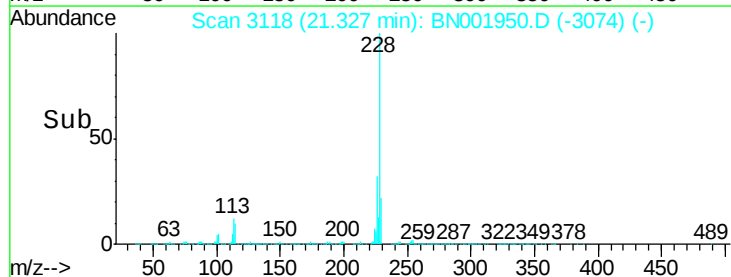
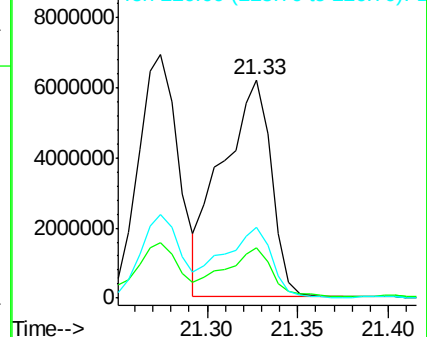
226 32.2 21.8 32.8

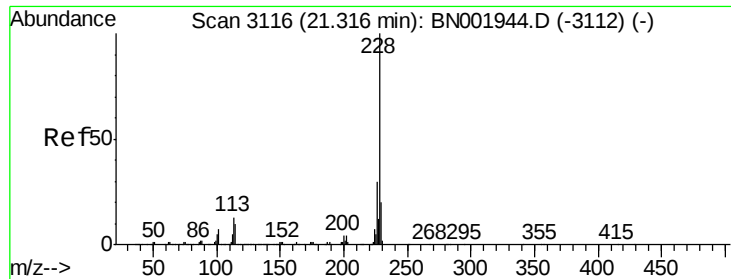


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 78.234 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

Instrument :

BNA_N

ClientSampled :

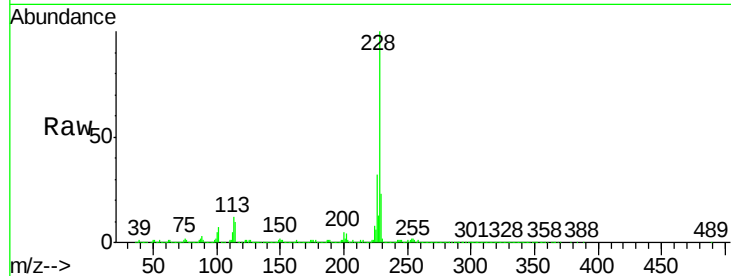
Tot Ion:228 Resp:11761649

Ion Ratio Lower Upper

228 100

226 32.2 24.1 36.1

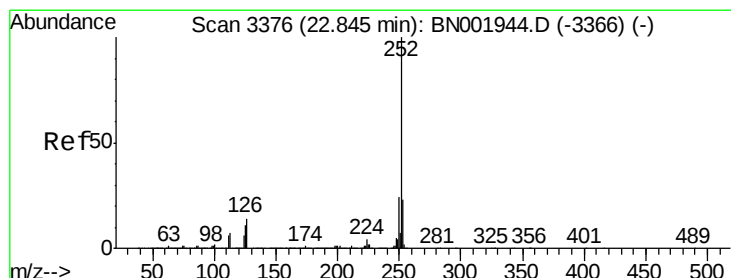
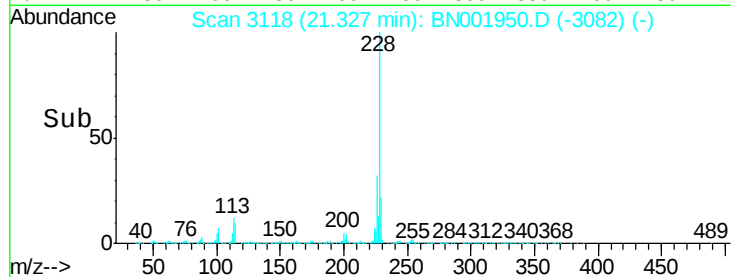
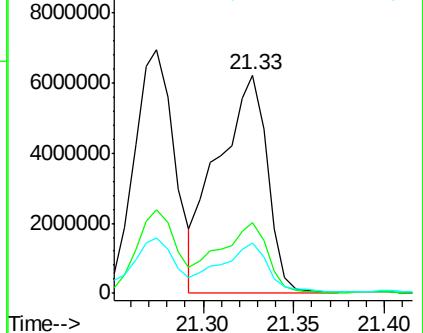
229 23.0 16.0 24.0



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



#85

Benzo(b)fluoranthene

Concen: 122.423 ng/ul

RT: 22.87 min Scan# 3381

Delta R.T. 0.03 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

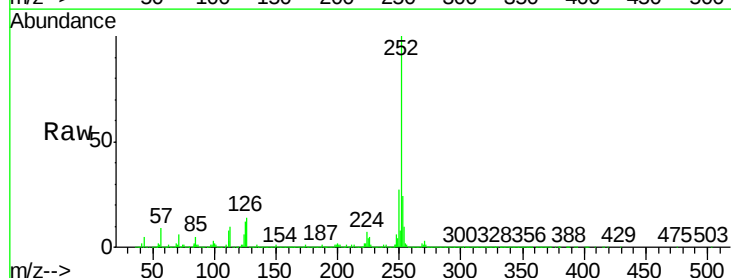
Tgt Ion:252 Resp:19629700

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

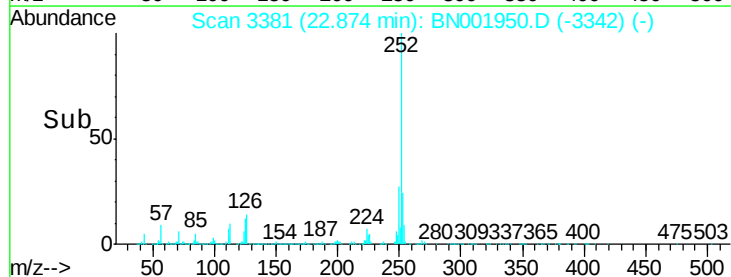
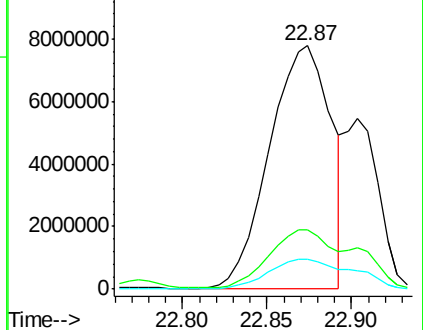
125 12.4 4.9 7.3#

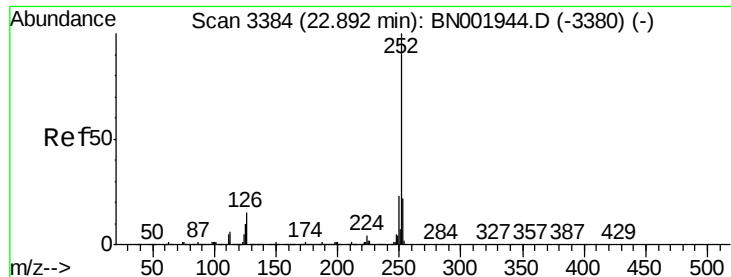


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

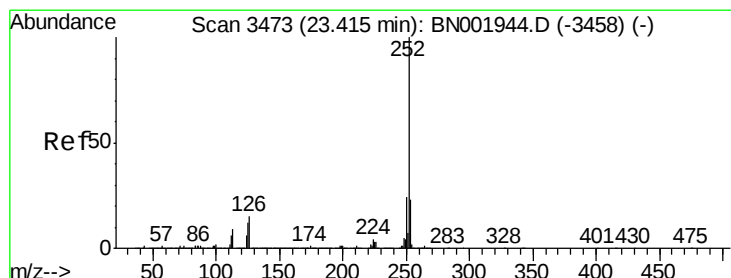
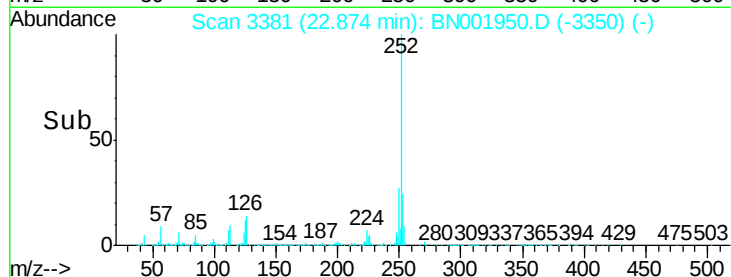
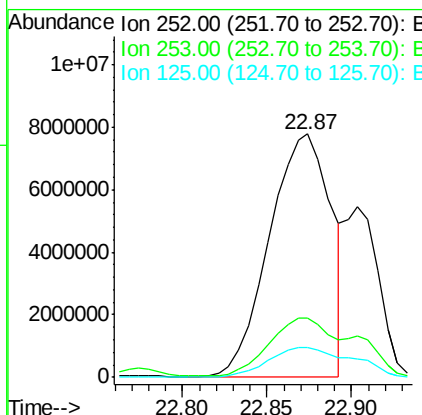
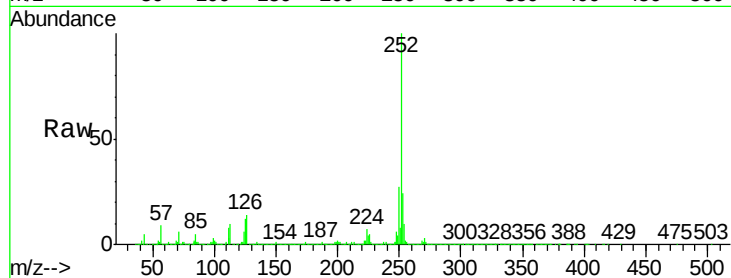




#86
Benzo(k)fluoranthene
Concen: 126.248 ng/ul
RT: 22.87 min Scan# 3381
Delta R.T. -0.02 min
Lab File: BN001950.D
Acq: 03 Jul 2018 19:03

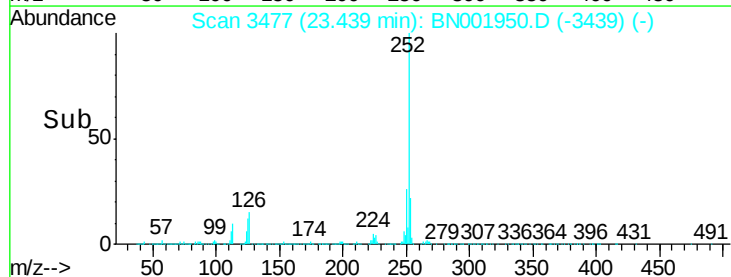
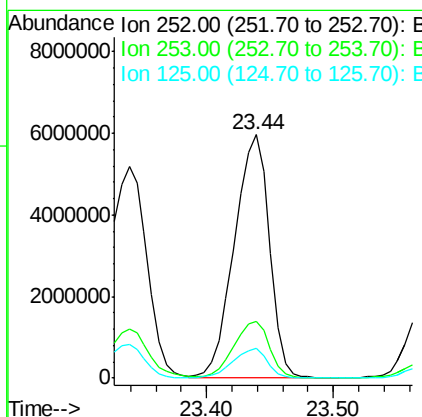
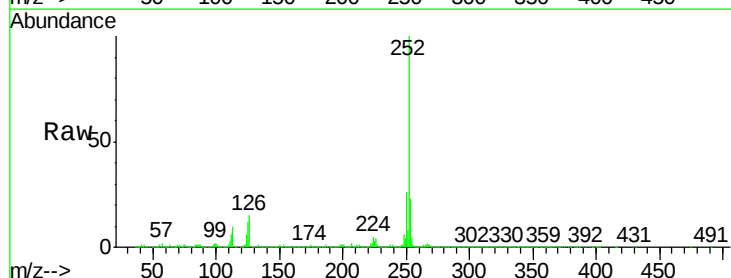
Instrument :
BNA_N
ClientSampleId :

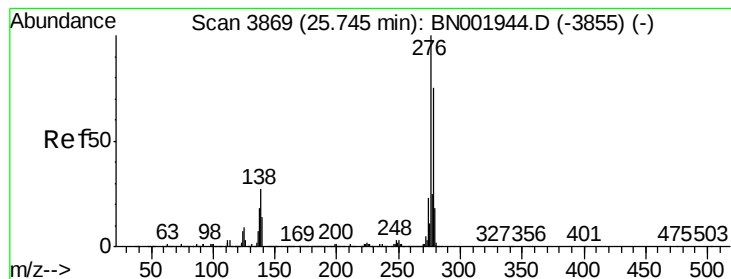
Tot Ion:252 Resp:19629700
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 12.4 5.4 8.0#



#88
Benzo(a)pyrene
Concen: 75.772 ng/ul
RT: 23.44 min Scan# 3477
Delta R.T. 0.02 min
Lab File: BN001950.D
Acq: 03 Jul 2018 19:03

Tgt Ion:252 Resp:11353515
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.0 5.8 8.6#



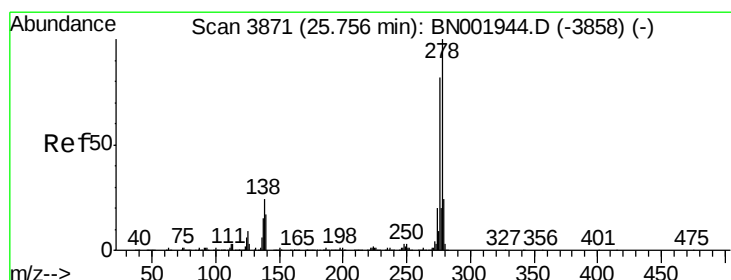
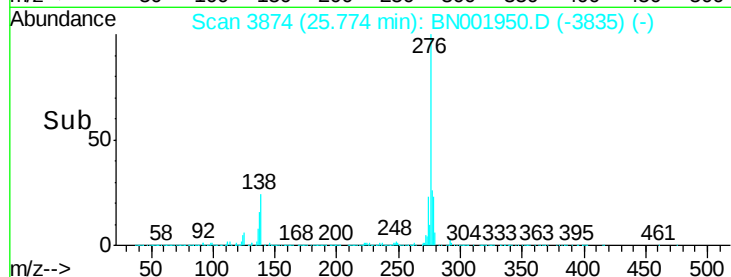
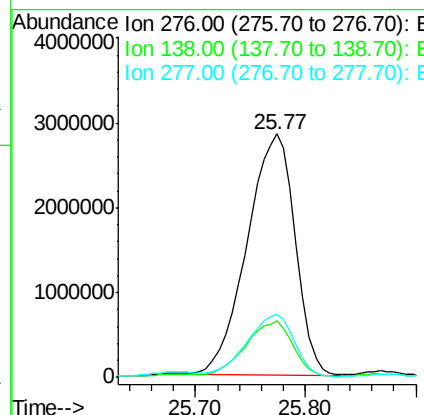
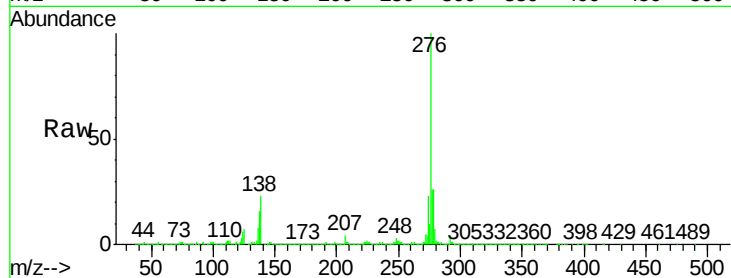


#89

Indeno(1,2,3-cd)pyrene
Concen: 54.303 ng/ul
RT: 25.77 min Scan# 3874
Delta R.T. 0.03 min
Lab File: BN001950.D
Acq: 03 Jul 2018 19:03

Instrument :
BNA_N
ClientSampleId :

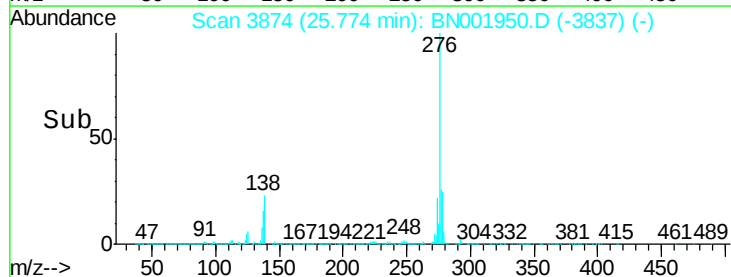
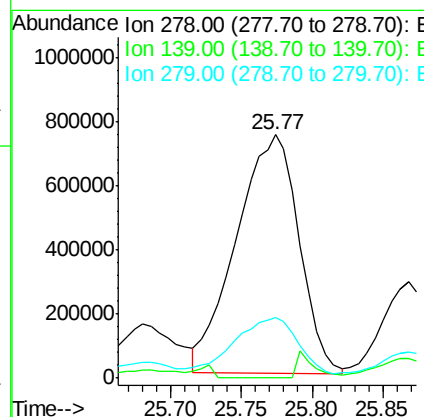
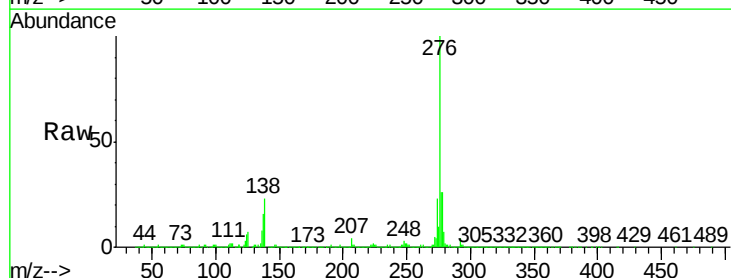
Tot Ion:276 Resp: 8658015
Ion Ratio Lower Upper
276 100
138 23.3 10.9 16.3#
277 25.7 18.9 28.3

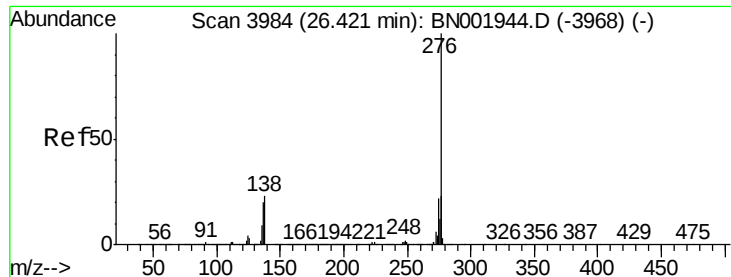


#90

Dibenzo(a,h)anthracene
Concen: 17.379 ng/ul
RT: 25.77 min Scan# 3874
Delta R.T. 0.02 min
Lab File: BN001950.D
Acq: 03 Jul 2018 19:03

Tgt Ion:278 Resp: 2306121
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.4#
279 24.9 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 54.788 ng/ul

RT: 26.46 min Scan# 3990

Delta R.T. 0.04 min

Lab File: BN001950.D

Acq: 03 Jul 2018 19:03

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 7205834

Ion Ratio Lower Upper

276 100

138 23.6 11.2 16.8#

277 24.9 19.0 28.6

