

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122718\
 Data File : BN004251.D
 Acq On : 27 Dec 2018 21:44
 Operator : JU/SJ
 Sample : J6441-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BE7Z7

Quant Time: Dec 28 03:14:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 28 03:12:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	43792	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	204987	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	122467	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	250198	20.00	ng/ul	0.00
77) Chrysene-d12	21.40	240	305251	20.00	ng/ul	0.00
85) Perylene-d12	23.72	264	277407	20.00	ng/ul	0.00

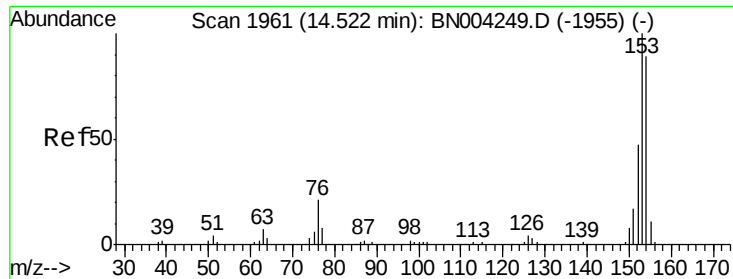
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.99	99	10498	2.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	6110	2.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	8566	2.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	8578	2.38	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	3949	2.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	4216	2.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	8478	2.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	6222	1.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	28041	2.57	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	35231	2.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	562	0.25	ng/ul	0.02
57) Fluorene-d10	15.45	176	28708	3.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.30	188	43610	3.45	ng/ul	0.00
78) Pyrene-d10	19.60	212	51623	3.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.57	264	52261	3.47	ng/ul	0.00

Target Compounds

					Qvalue	
49) Acenaphthene	14.52	153	9155	1.041	ng/ul	99
53) Dibenzofuran	14.86	168	13161	1.054	ng/ul	100
58) Fluorene	15.51	166	10688	1.028	ng/ul	98
69) Phenanthrene	17.25	178	374976	25.939	ng/ul	99
71) Anthracene	17.34	178	66533	4.490	ng/ul	99
74) Carbazole	17.62	167	59766	4.389	ng/ul	100
76) Fluoranthene	19.27	202	604119	34.094	ng/ul	100
79) Pyrene	19.63	202	527890	30.955	ng/ul	99
82) Benzo(a)anthracene	21.38	228	297766	15.643	ng/ul	98
84) Chrysene	21.43	228	272749	15.298	ng/ul	98
87) Benzo(b)fluoranthene	23.02	252	313945	18.892	ng/ul	96
88) Benzo(k)fluoranthene	23.02	252	313945	20.177	ng/ul#	95
90) Benzo(a)pyrene	23.62	252	192418	12.023	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	26.08	276	123780	5.934	ng/ul	96
92) Dibenzo(a,h)anthracene	26.08	278	39536	2.280	ng/ul#	86
93) Benzo(g,h,i)perylene	26.81	276	95849	5.489	ng/ul	99

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



#49

Acenaphthene

Concen: 1.041 ng/ul

RT: 14.52 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Instrument :

BNA_N

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BE7Z7

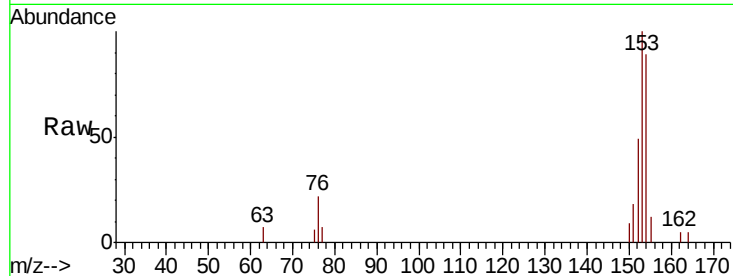
Tgt Ion:153 Resp: 9155

Ion Ratio Lower Upper

153 100

152 48.6 37.8 56.6

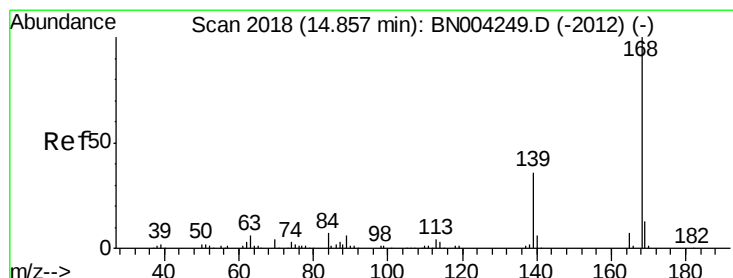
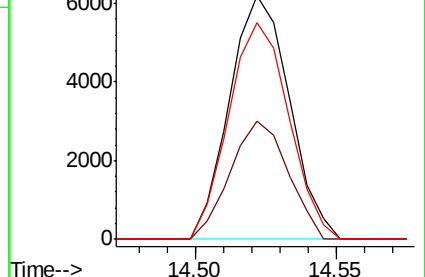
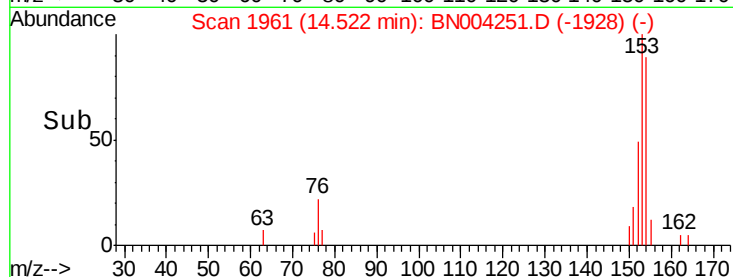
154 89.0 71.0 106.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.054 ng/ul

RT: 14.86 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BN004251.D

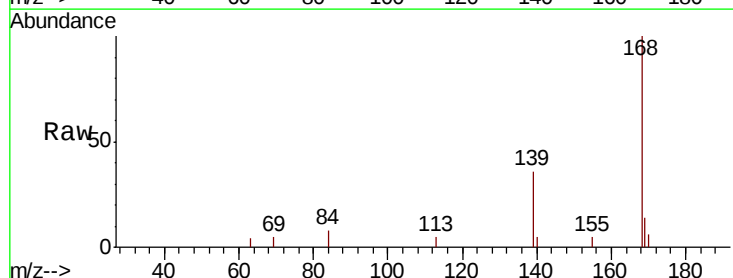
Acq: 27 Dec 2018 21:44

Tgt Ion:168 Resp: 13161

Ion Ratio Lower Upper

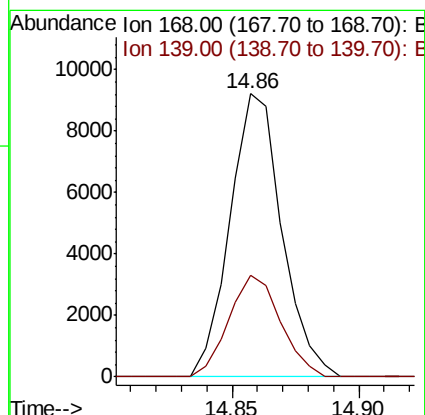
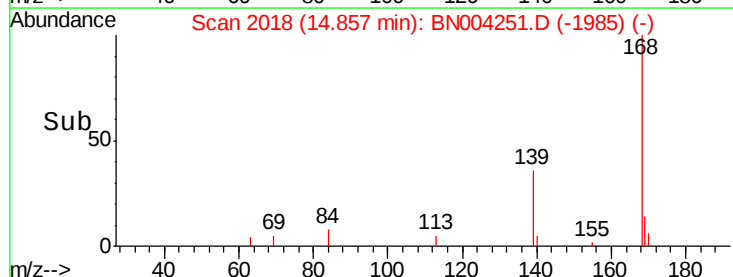
168 100

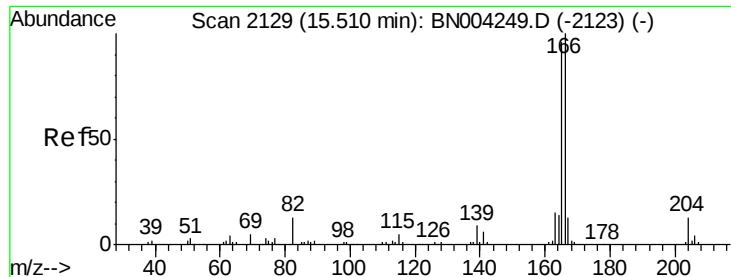
139 35.9 28.8 43.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.028 ng/ul

RT: 15.51 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Instrument :

BNA_N

ClientSampleId :

BE7Z7

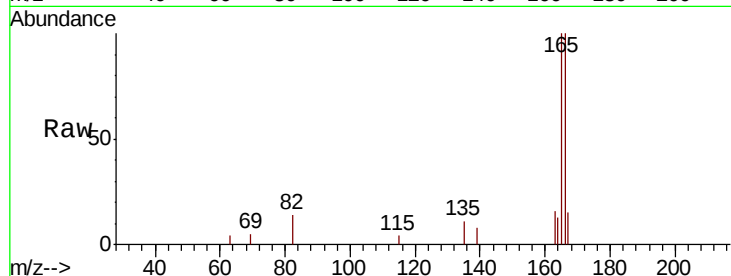
Tgt Ion:166 Resp: 10688

Ion Ratio Lower Upper

166 100

165 100.1 78.6 117.8

167 15.2 10.3 15.5

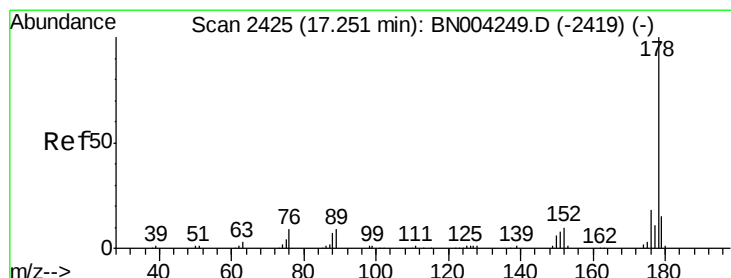
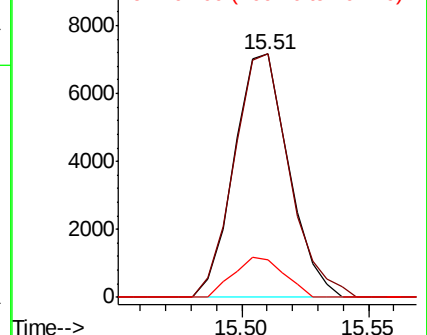
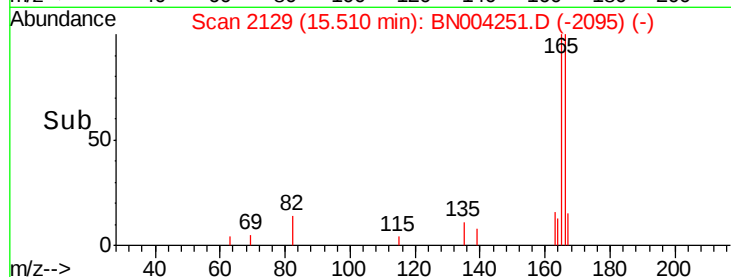


Abundance

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: 25.939 ng/ul

RT: 17.25 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

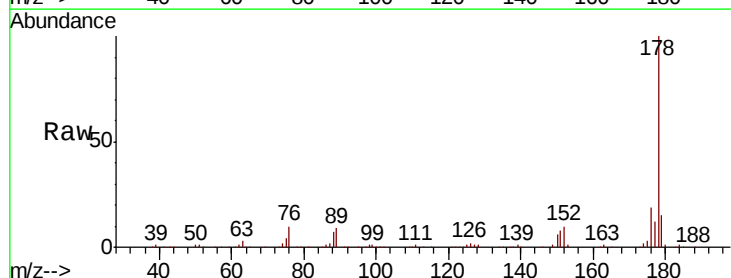
Tgt Ion:178 Resp: 374976

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

176 19.0 15.0 22.6

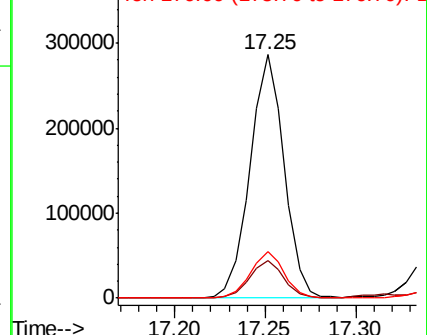
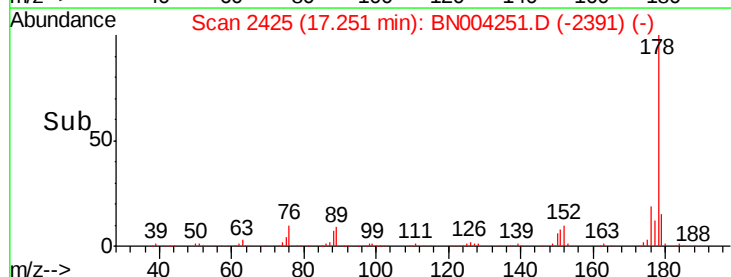


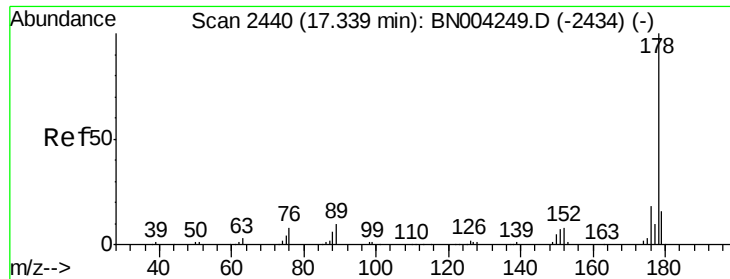
Abundance

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

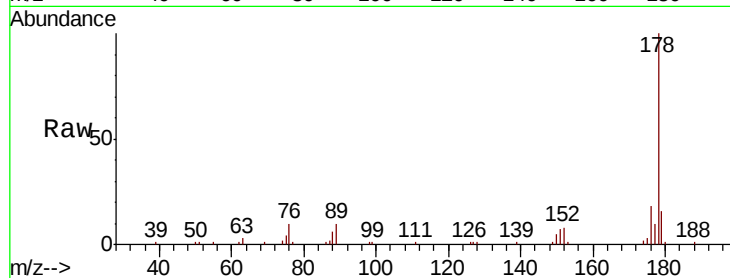




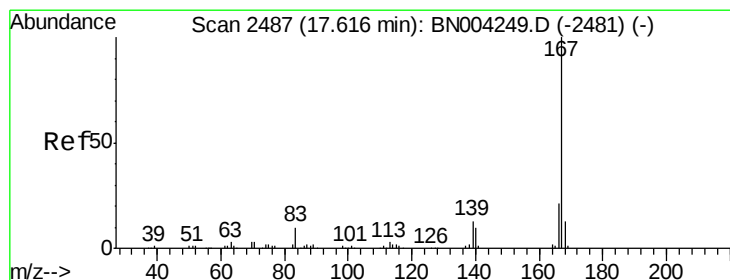
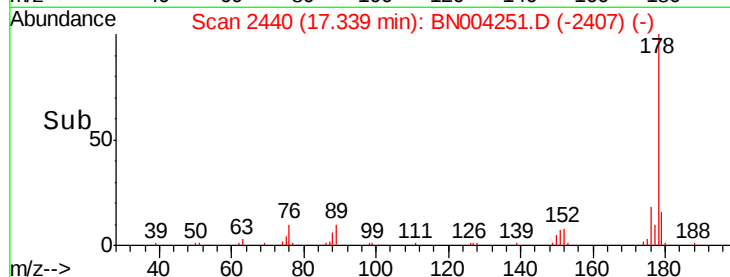
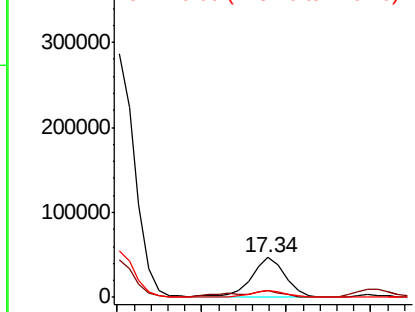
#71
 Anthracene
 Concen: 4.490 ng/ul
 RT: 17.34 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BN004251.D
 Acq: 27 Dec 2018 21:44

Instrument :
 BNA_N
 ClientSampleId :
 BE7Z7

Tgt Ion:178 Resp: 66533
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.1 18.1
 176 18.5 15.2 22.8

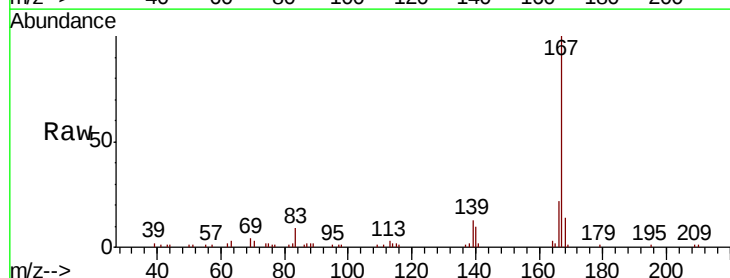


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

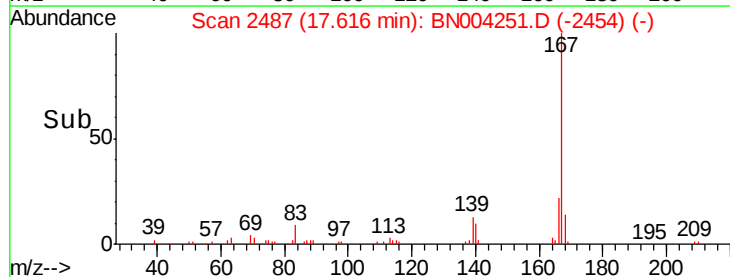
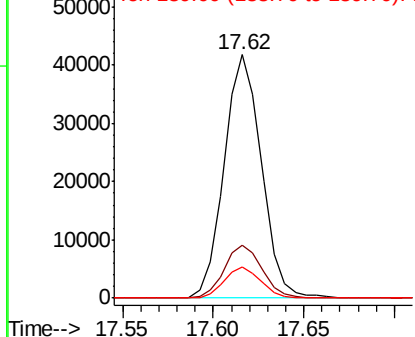


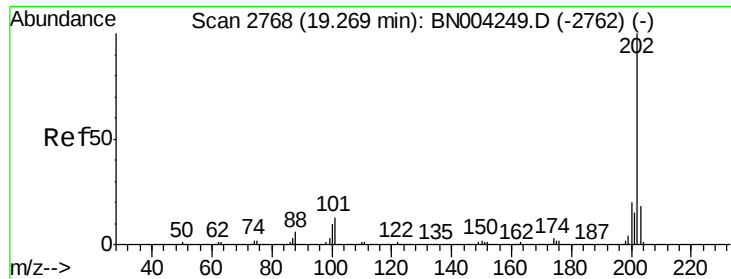
#74
 Carbazole
 Concen: 4.389 ng/ul
 RT: 17.62 min Scan# 2487
 Delta R.T. -0.01 min
 Lab File: BN004251.D
 Acq: 27 Dec 2018 21:44

Tgt Ion:167 Resp: 59766
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 12.7 10.2 15.2



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: 34.094 ng/ul

RT: 19.27 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Instrument :

BNA_N

ClientSampleId :

BE7Z7

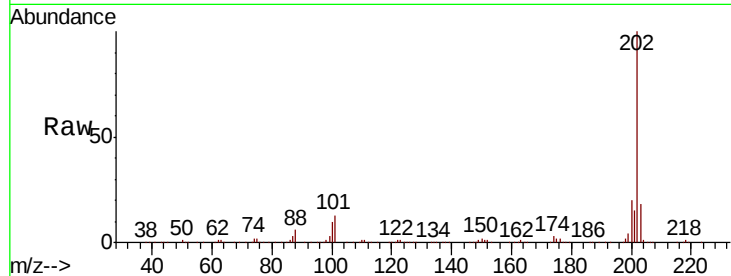
Tgt Ion:202 Resp: 604119

Ion Ratio Lower Upper

202 100

101 12.6 10.2 15.2

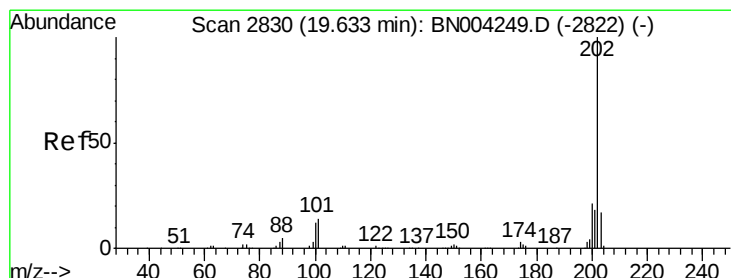
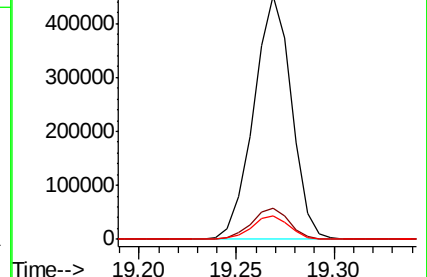
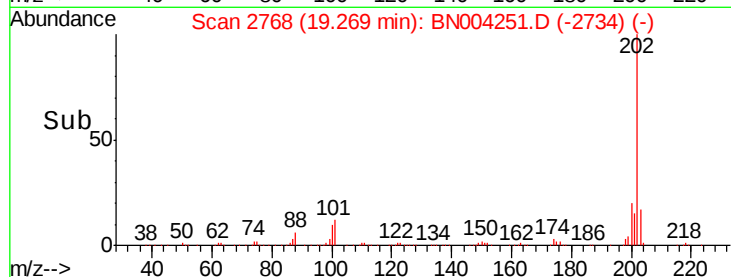
100 9.8 7.8 11.8



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: 30.955 ng/ul

RT: 19.63 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

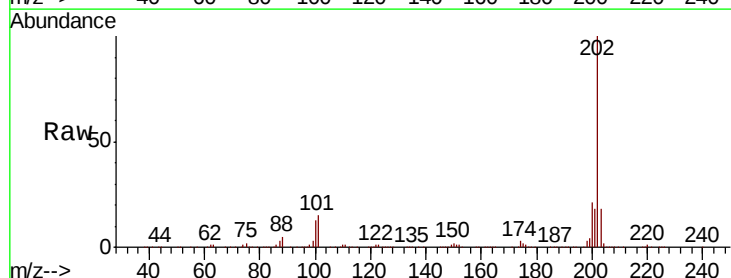
Tgt Ion:202 Resp: 527890

Ion Ratio Lower Upper

202 100

101 15.0 12.2 18.2

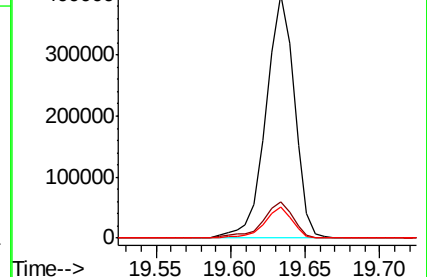
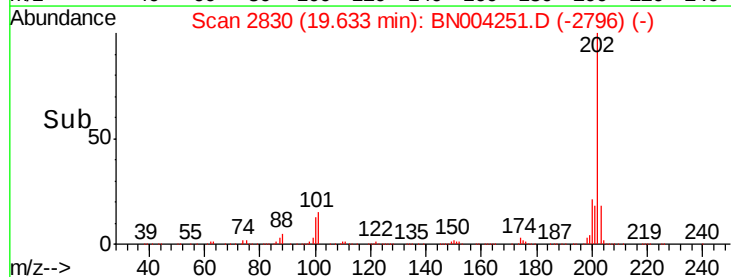
100 12.6 9.9 14.9

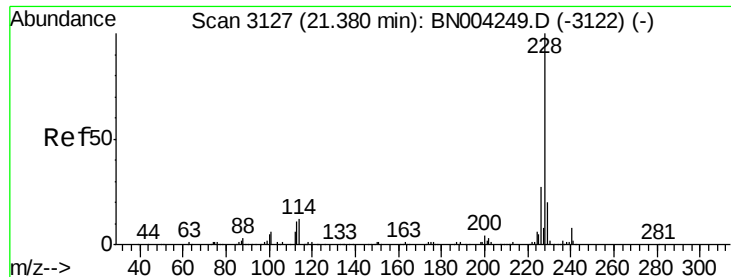


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

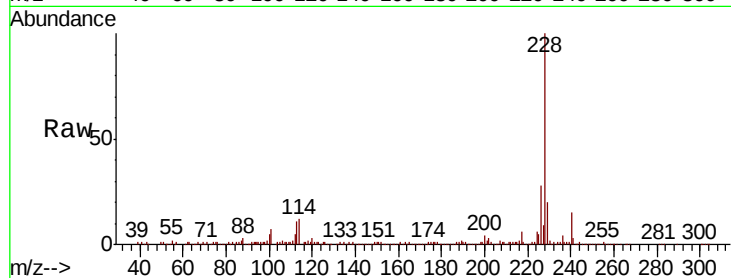




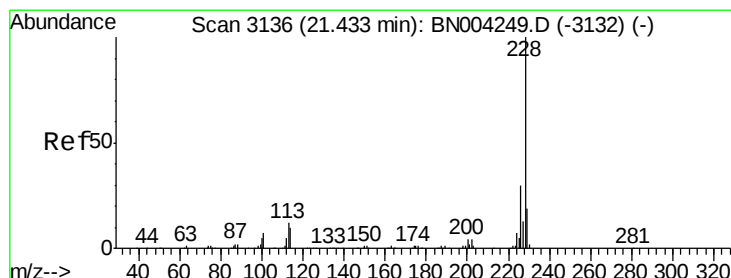
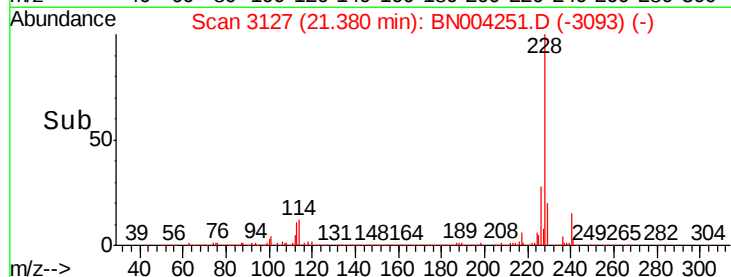
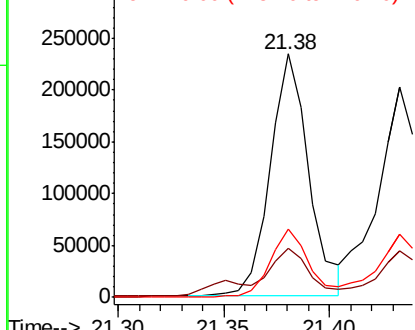
#82
Benzo(a)anthracene
Concen: 15.643 ng/ul
RT: 21.38 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BN004251.D
Acq: 27 Dec 2018 21:44

Instrument :
BNA_N
ClientSampleId :
BE7Z7

Tgt Ion:228 Resp: 297766
Ion Ratio Lower Upper
228 100
229 20.4 15.9 23.9
226 27.9 21.4 32.2

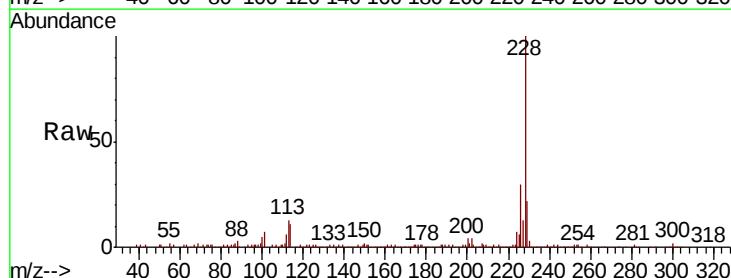


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

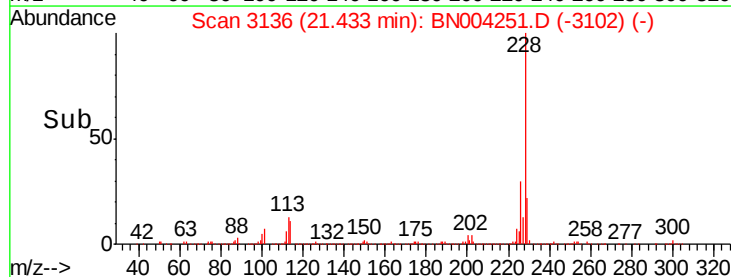
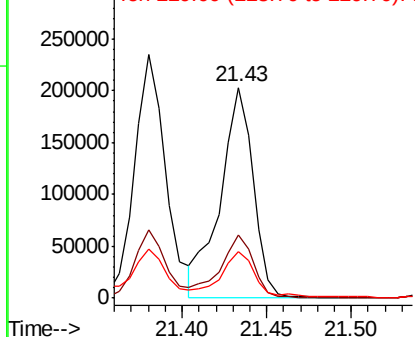


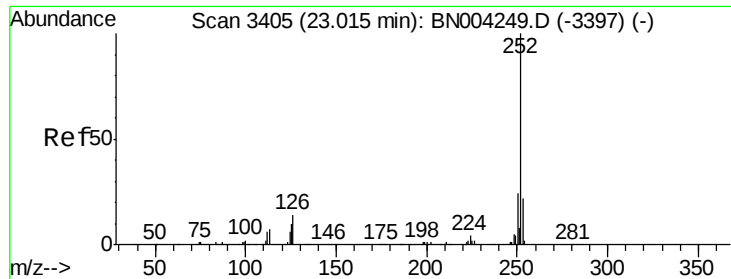
#84
Chrysene
Concen: 15.298 ng/ul
RT: 21.43 min Scan# 3136
Delta R.T. 0.00 min
Lab File: BN004251.D
Acq: 27 Dec 2018 21:44

Tgt Ion:228 Resp: 272749
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 22.4 15.8 23.6



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: 18.892 ng/ul

RT: 23.02 min Scan# 3405

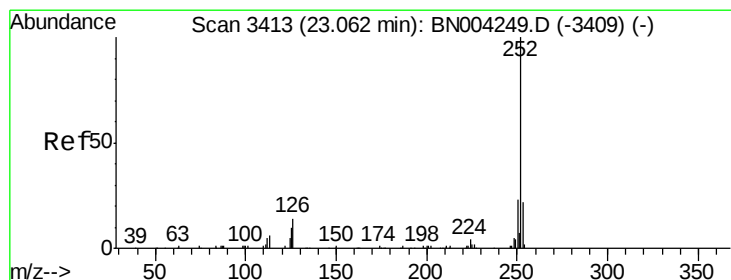
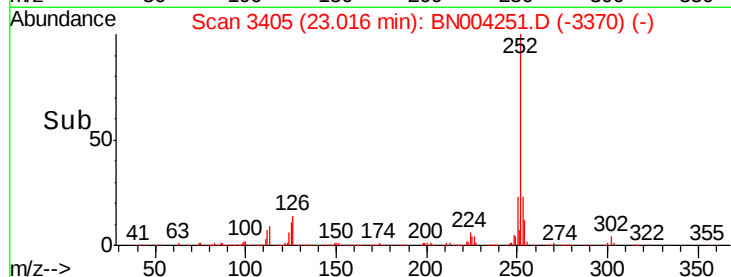
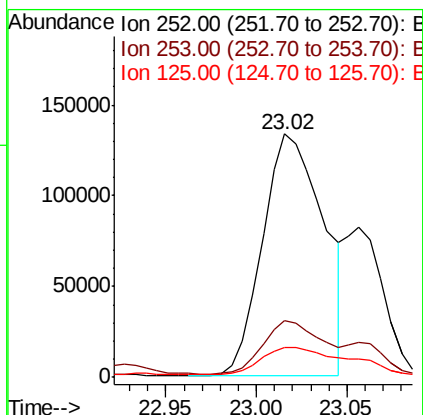
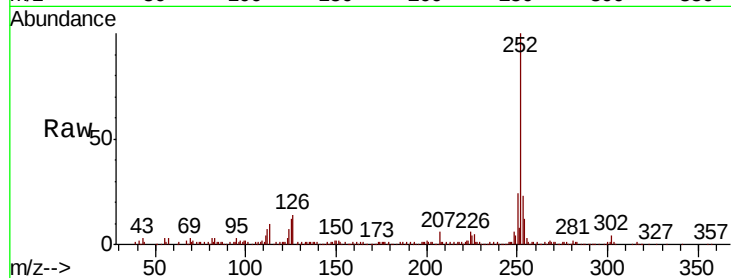
Delta R.T. 0.01 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Instrument :
BNA_N
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	12.4	8.2	12.4



#88

Benzo(k)fluoranthene

Concen: 20.177 ng/ul

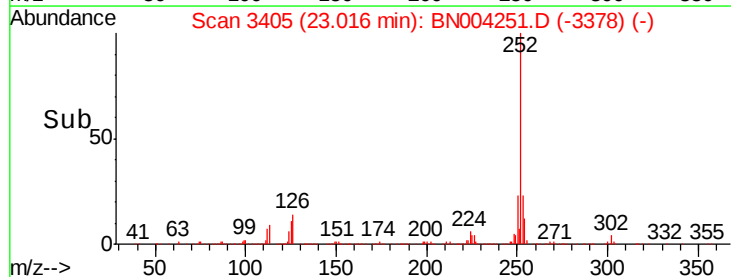
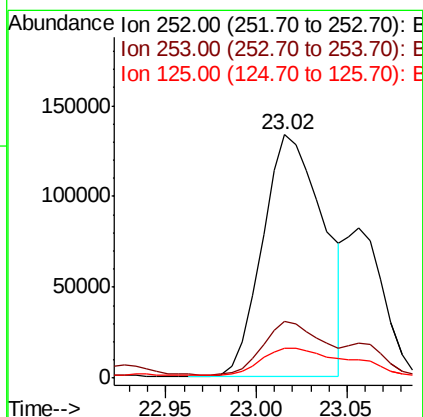
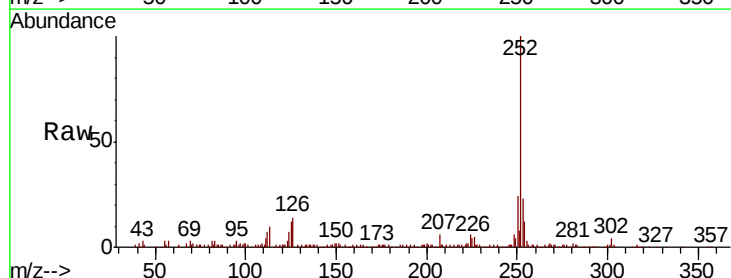
RT: 23.02 min Scan# 3405

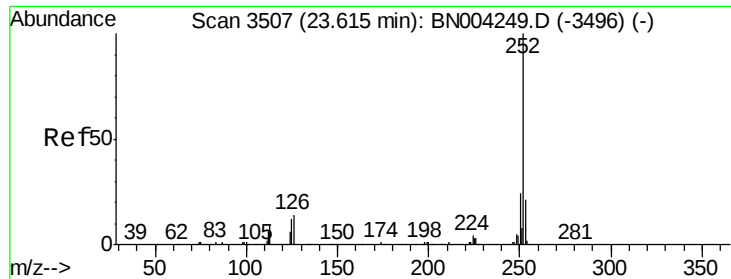
Delta R.T. -0.04 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.4	7.9	11.9#





#90

Benzo(a)pyrene

Concen: 12.023 ng/u1

RT: 23.62 min Scan# 3507

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Instrument :

BNA_N

ClientSampleId :

BE7Z7

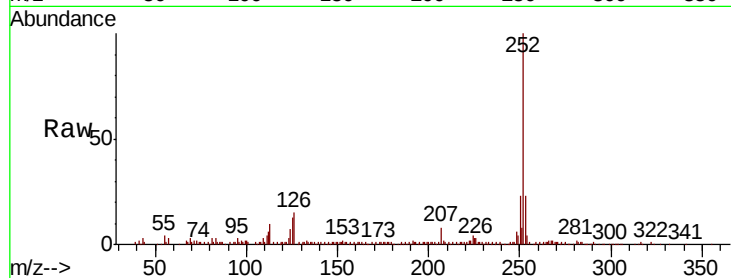
Tgt Ion:252 Resp: 192418

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

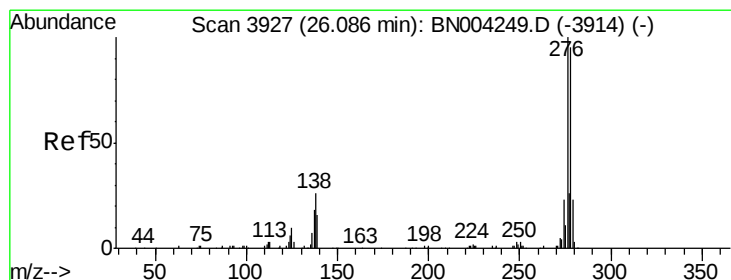
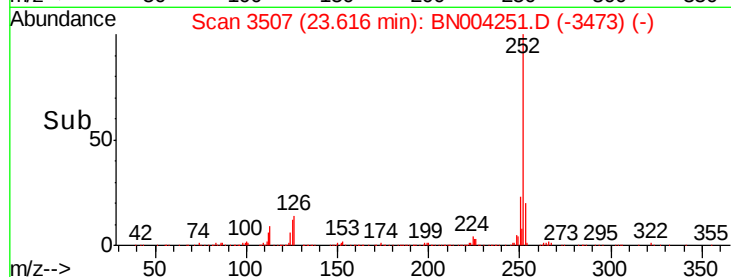
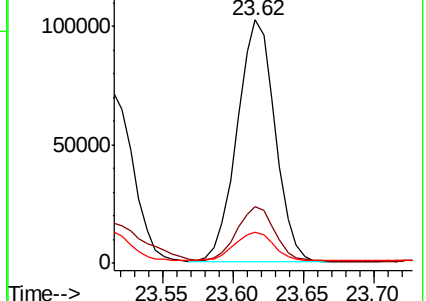
125 12.9 9.1 13.7



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.934 ng/u1

RT: 26.08 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

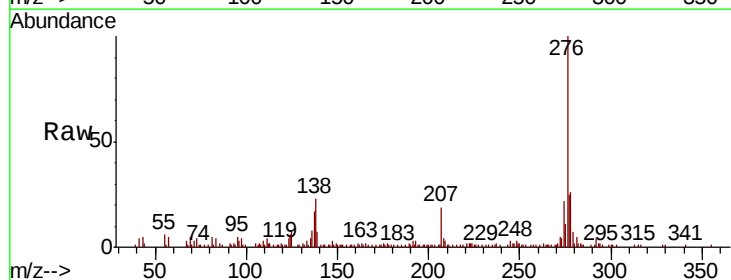
Tgt Ion:276 Resp: 123780

Ion Ratio Lower Upper

276 100

138 22.6 20.4 30.6

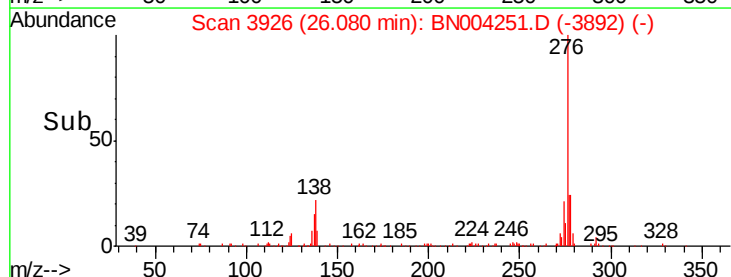
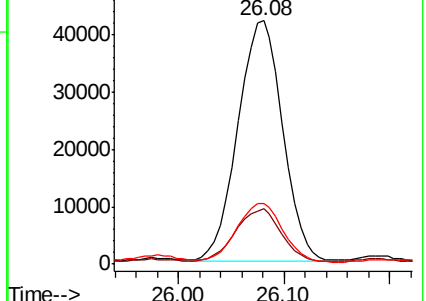
277 24.9 20.6 30.8

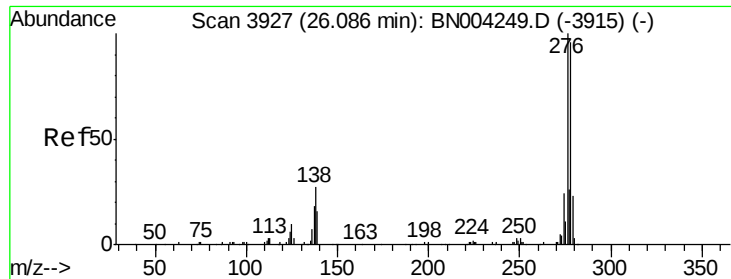


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.280 ng/u1

RT: 26.08 min Scan# 3926

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

Instrument :

BNA_N

ClientSampleId :

BE7Z7

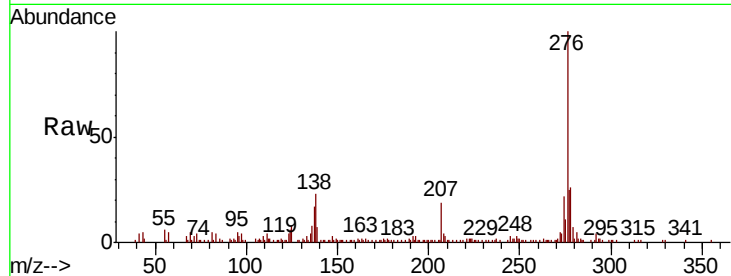
Tgt Ion:278 Resp: 39536

Ion Ratio Lower Upper

278 100

139 25.2 13.3 19.9#

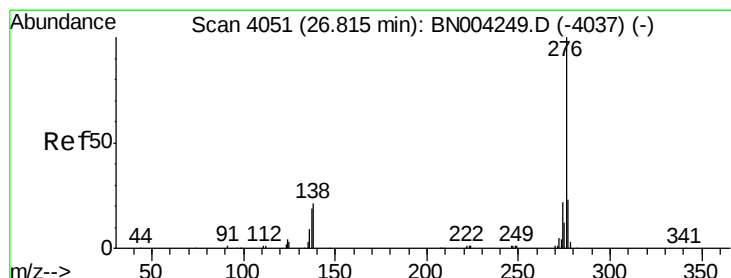
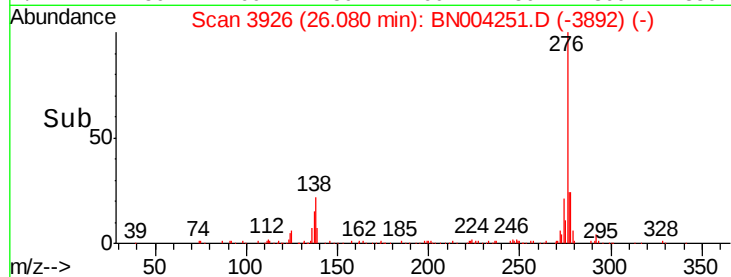
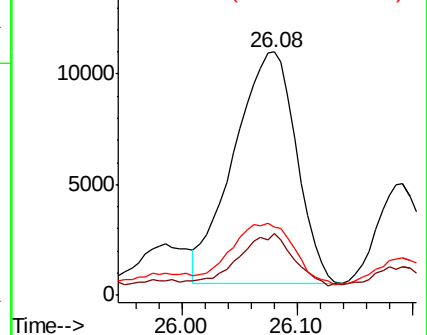
279 28.2 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 5.489 ng/u1

RT: 26.81 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BN004251.D

Acq: 27 Dec 2018 21:44

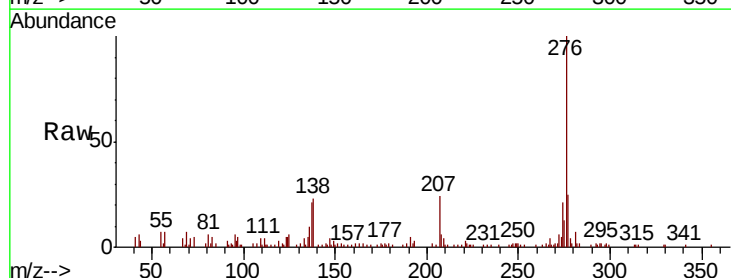
Tgt Ion:276 Resp: 95849

Ion Ratio Lower Upper

276 100

138 22.9 18.2 27.4

277 24.6 19.0 28.6



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

