

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002025.D
 Acq On : 12 Jul 2018 12:08
 Operator : JU/SJ
 Sample : J3775-02DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 12 13:03:07 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	7.71	152	574504	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2661706	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1564408	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3329520	20.00	ng/ul	0.01
75) Chrysene-d12	21.29	240	2345668	20.00	ng/ul	0.01
83) Perylene-d12	23.54	264	2128646	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	30583	2.31	ng/uL	0.00
5) Phenol-d5	6.89	99	778891	14.98	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.05	67	470828	14.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	623114	15.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	616061	14.79	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	317176	16.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	353523	17.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	646605	14.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	397421	8.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	1942927	14.71	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2494340	15.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	300664	12.35	ng/ul	0.02
57) Fluorene-d10	15.34	176	1744622	15.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	163951	9.04	ng/ul	0.01
70) Anthracene-d10	17.19	188	2545960	15.83	ng/ul	0.01
76) Pyrene-d10	19.49	212	2427312	20.53	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.40	264	1794163	15.50	ng/ul	0.02

Target Compounds

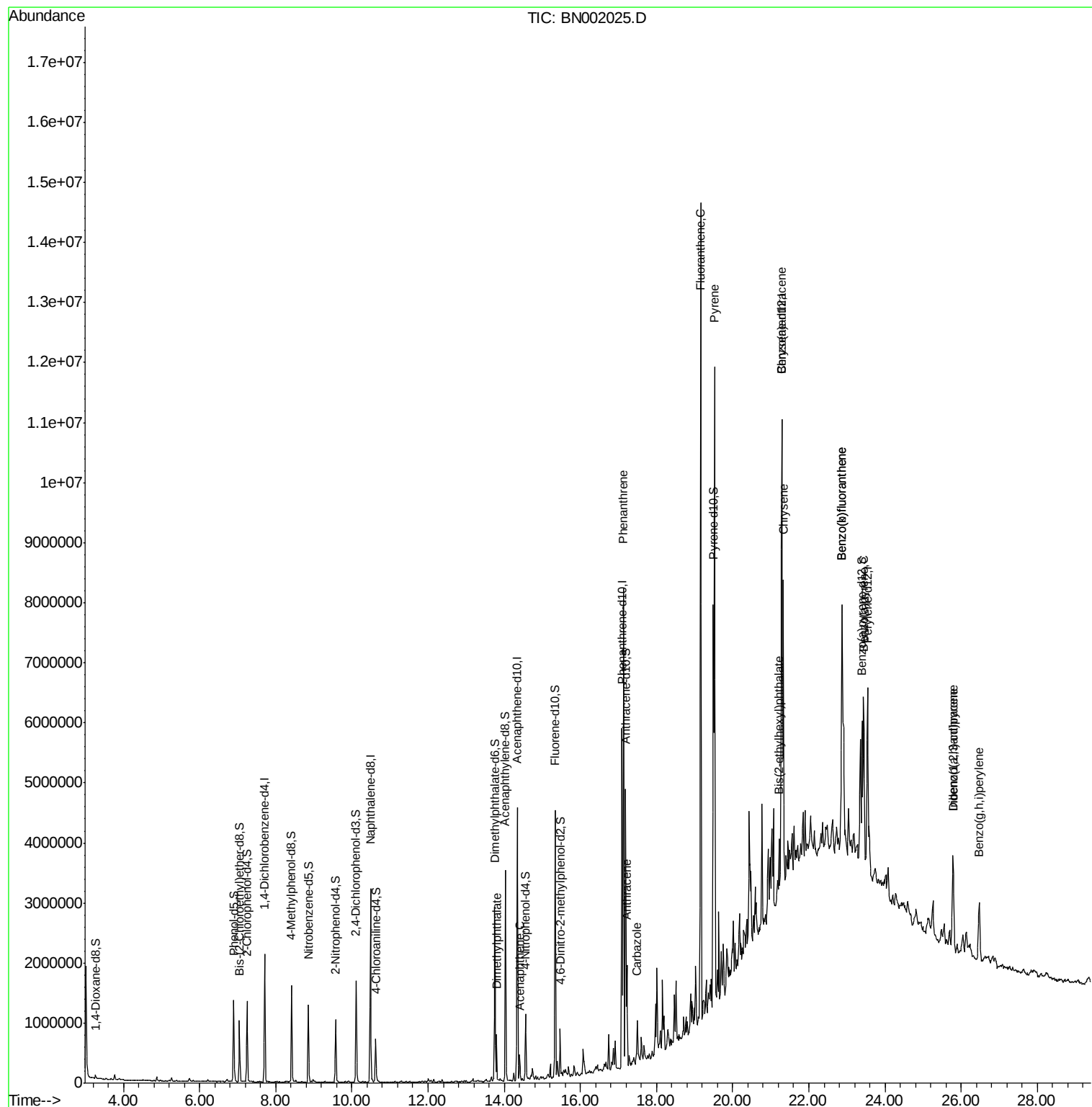
					Ovalue	
44) Dimethylphthalate	13.80	163	485717	3.741	ng/ul#	99
49) Acenaphthene	14.40	153	166341	1.523	ng/ul	96
69) Phenanthrene	17.13	178	4693627	25.025	ng/ul	99
71) Anthracene	17.22	178	1014207	5.342	ng/ul	97
72) Carbazole	17.49	167	439716	2.765	ng/ul	98
74) Fluoranthene	19.16	202	8259600	41.895	ng/ul#	87
77) Pyrene	19.52	202	6549355	44.617	ng/ul#	85
80) Benzo(a)anthracene	21.28	228	3126832	21.092	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.22	149	312628	3.347	ng/ul	99
82) Chrysene	21.33	228	2949608	21.384	ng/ul	98
85) Benzo(b)fluoranthene	22.87	252	3176210	23.625	ng/ul#	94
86) Benzo(k)fluoranthene	22.87	252	3176210	24.363	ng/ul#	94
88) Benzo(a)pyrene	23.45	252	1914936	15.242	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.79	276	1450558	10.851	ng/ul#	89
90) Dibenzo(a,h)anthracene	25.79	278	394303	3.544	ng/ul#	86
91) Benzo(g,h,i)perylene	26.47	276	1187230	10.766	ng/ul#	90

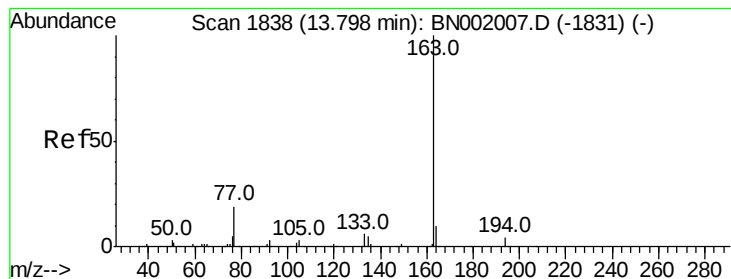
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 3.741 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Instrument :

BNA_N

ClientSampleId :

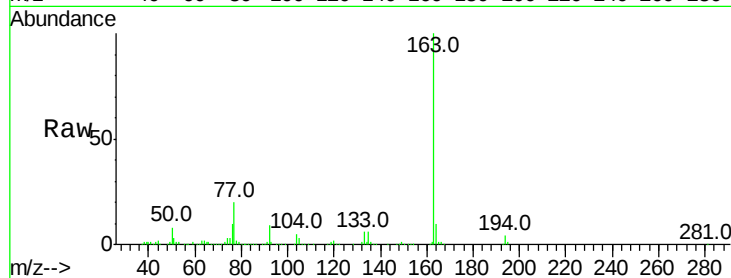
Tot Ion:163 Resp: 485717

Ion Ratio Lower Upper

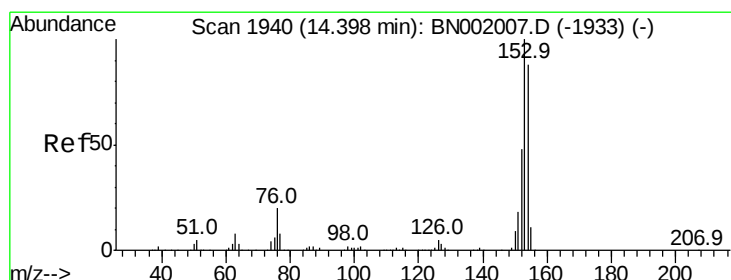
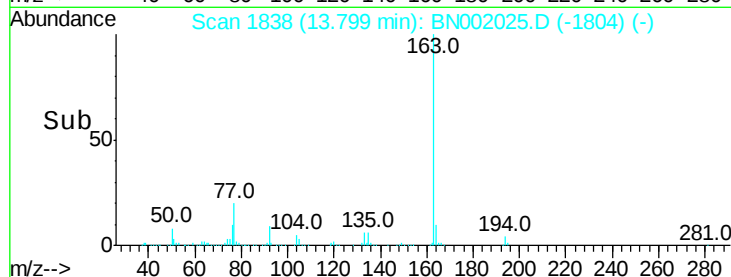
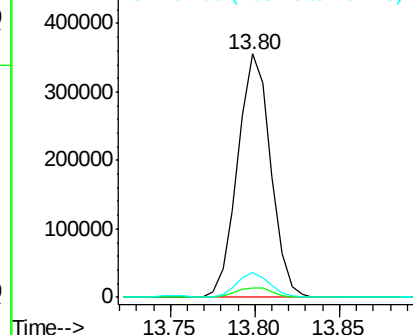
163 100

194 3.9 4.0 6.0#

164 10.3 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



#49

Acenaphthene

Concen: 1.523 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

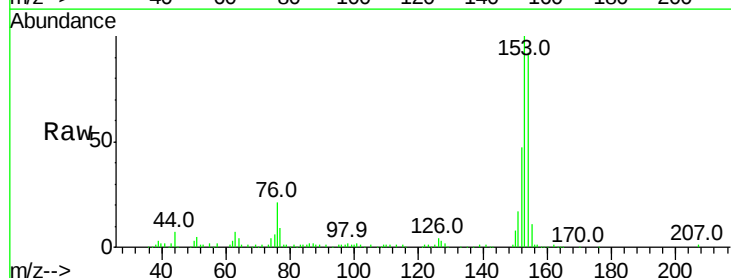
Tgt Ion:153 Resp: 166341

Ion Ratio Lower Upper

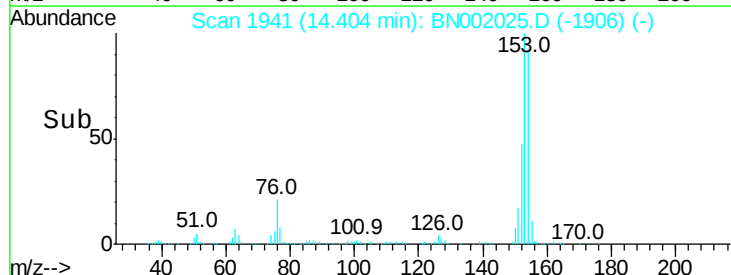
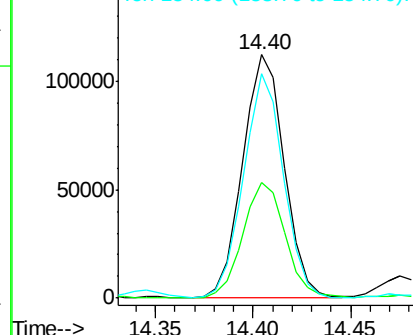
153 100

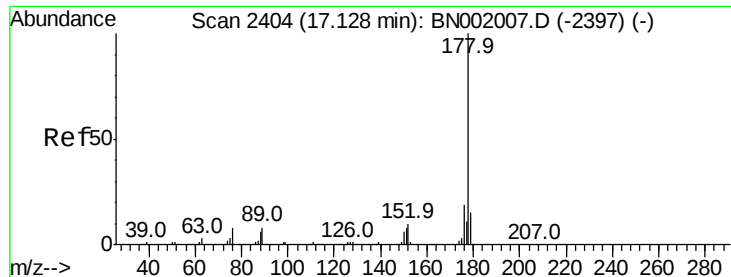
152 47.3 37.9 56.9

154 92.3 69.8 104.6



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





#69

Phenanthrene

Concen: 25.025 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

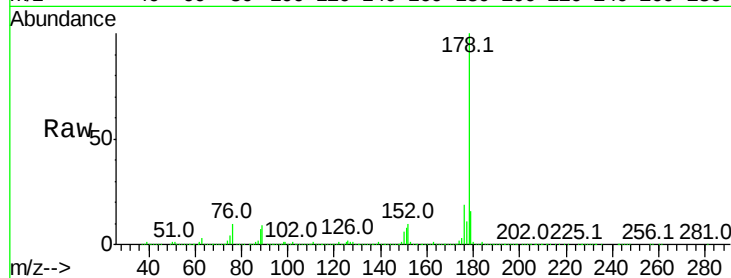
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 4693627

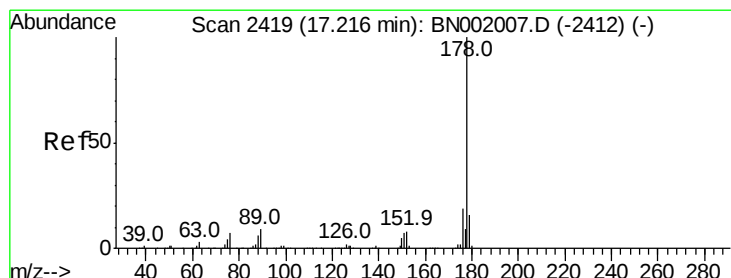
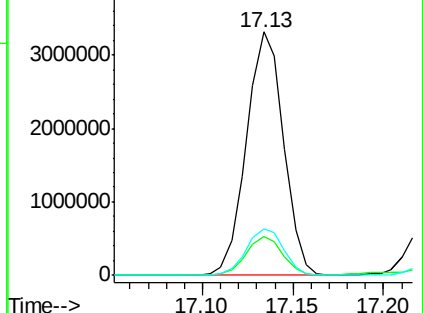
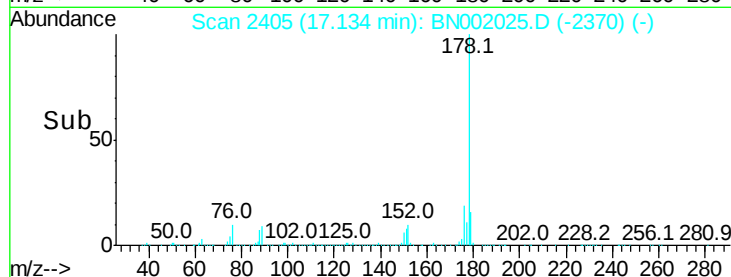
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.3	15.4	23.0



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: 5.342 ng/ul

RT: 17.22 min Scan# 2420

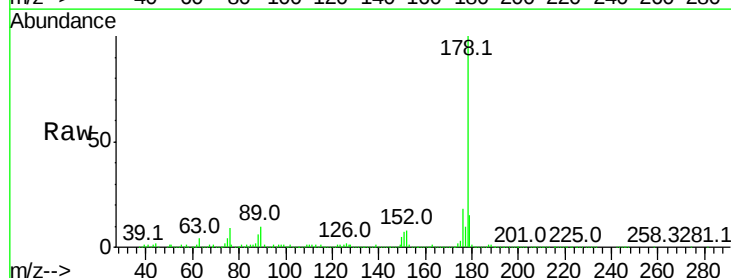
Delta R.T. 0.01 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Tgt Ion:178 Resp: 1014207

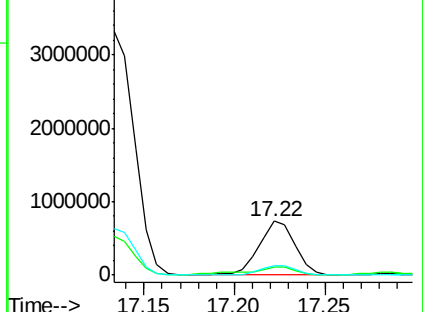
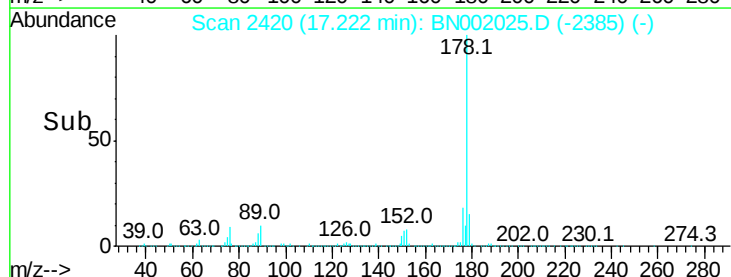
Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.4	20.2
176	18.4	15.4	23.0

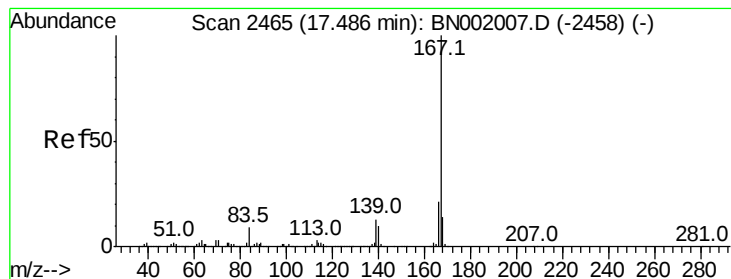


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.765 ng/ul

RT: 17.49 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Instrument :

BNA_N

ClientSampleId :

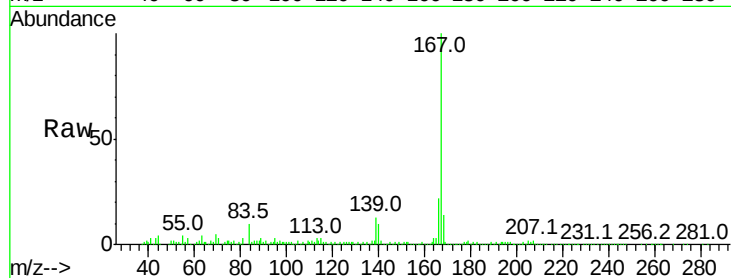
Tot Ion:167 Resp: 439716

Ion Ratio Lower Upper

167 100

166 21.8 17.0 25.4

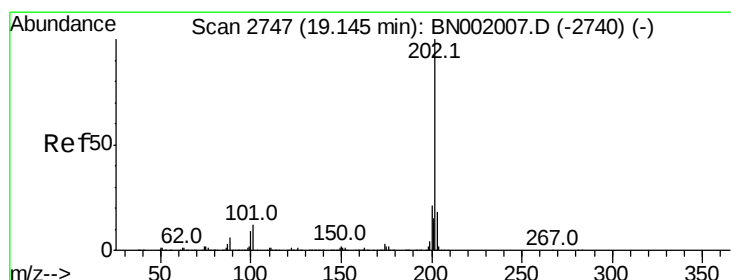
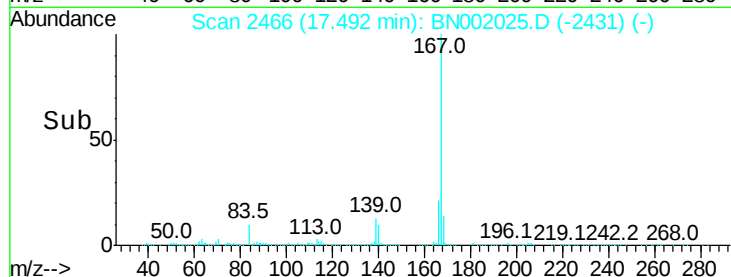
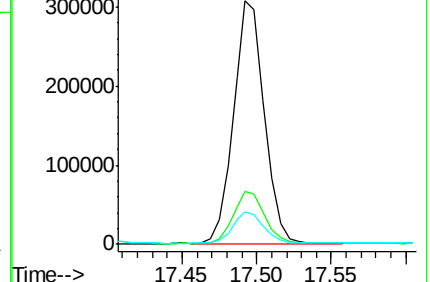
139 13.1 9.1 13.7



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



#74

Fluoranthene

Concen: 41.895 ng/ul

RT: 19.16 min Scan# 2749

Delta R.T. 0.01 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

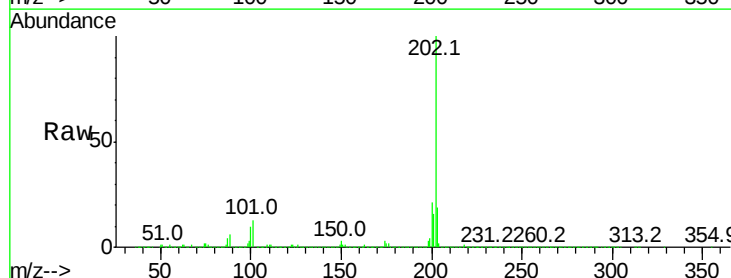
Tgt Ion:202 Resp: 8259600

Ion Ratio Lower Upper

202 100

101 12.6 6.1 9.1#

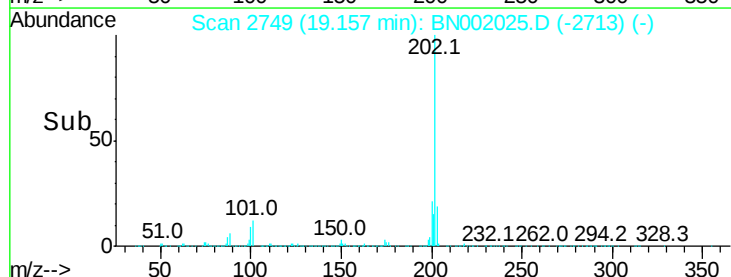
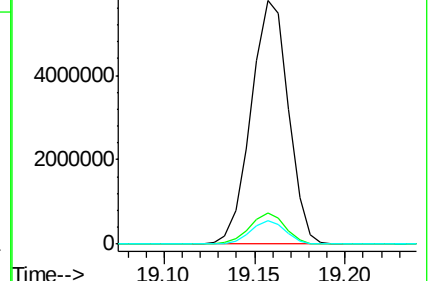
100 9.5 4.6 7.0#

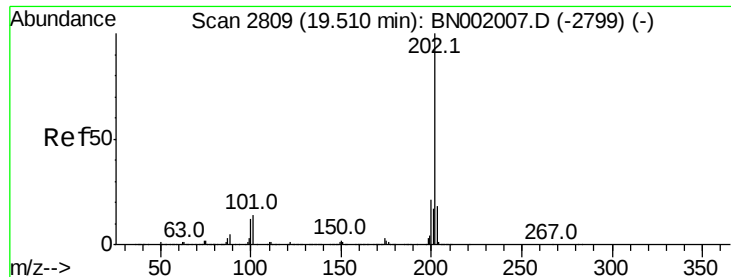


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 44.617 ng/ul

RT: 19.52 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Instrument :

BNA_N

ClientSampleId :

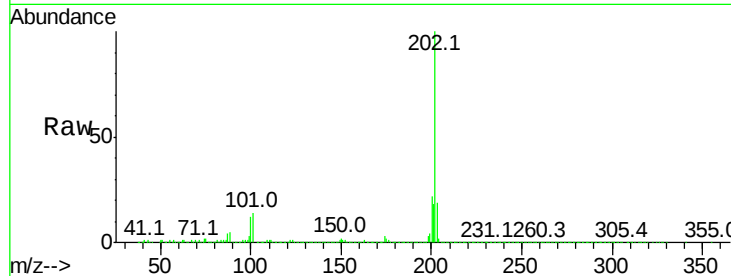
Tot Ion:202 Resp: 6549355

Ion Ratio Lower Upper

202 100

101 14.5 6.9 10.3#

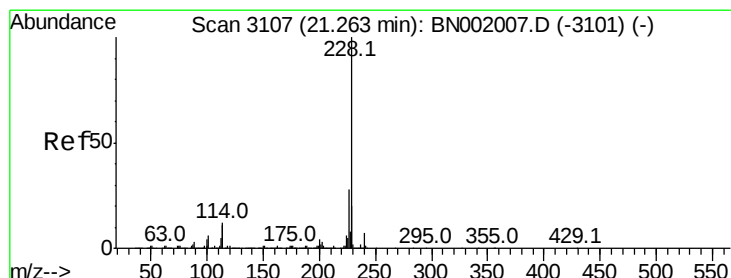
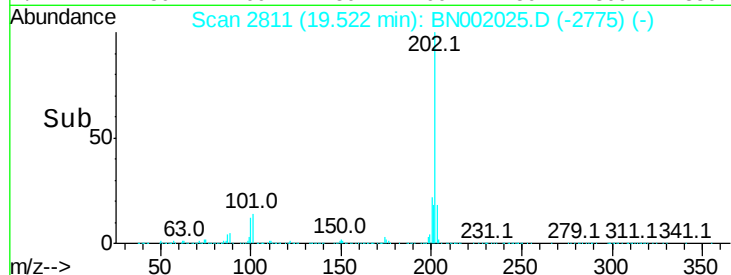
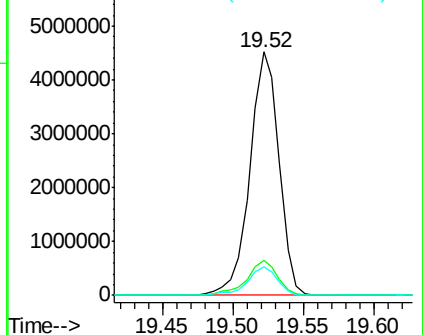
100 11.8 5.6 8.4#



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): E



#80

Benzo(a)anthracene

Concen: 21.092 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.02 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

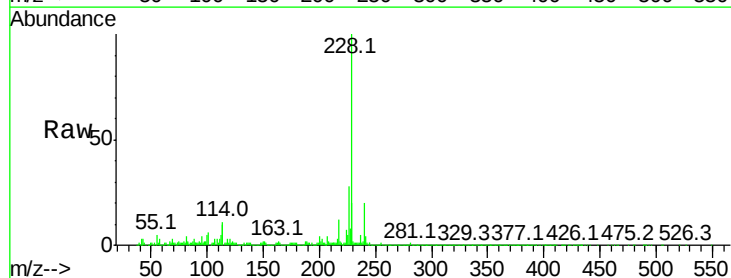
Tgt Ion:228 Resp: 3126832

Ion Ratio Lower Upper

228 100

229 20.3 16.0 24.0

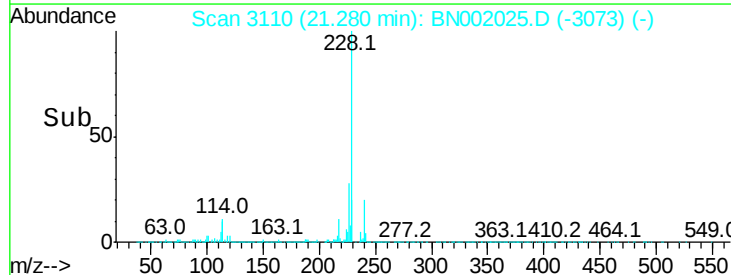
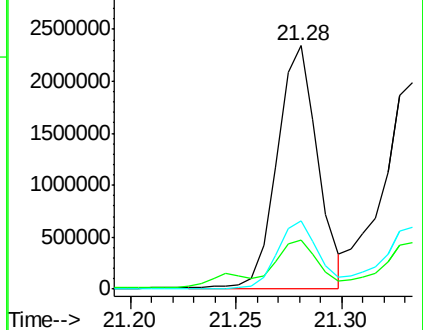
226 27.8 21.8 32.8

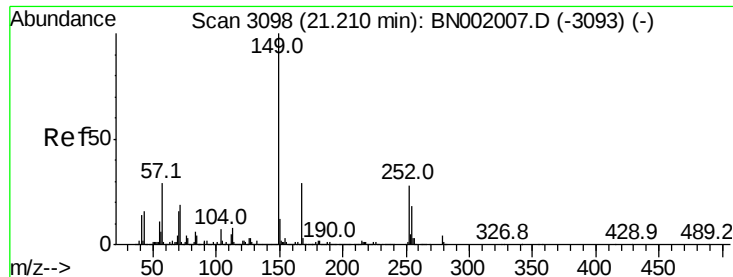


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

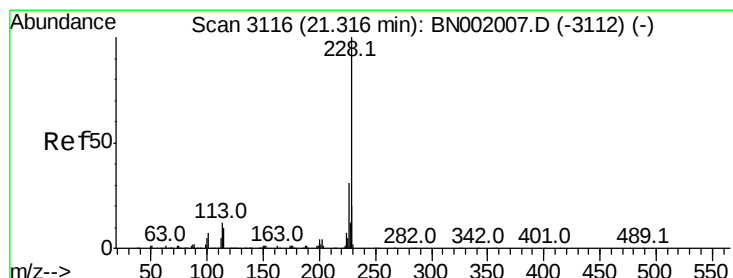
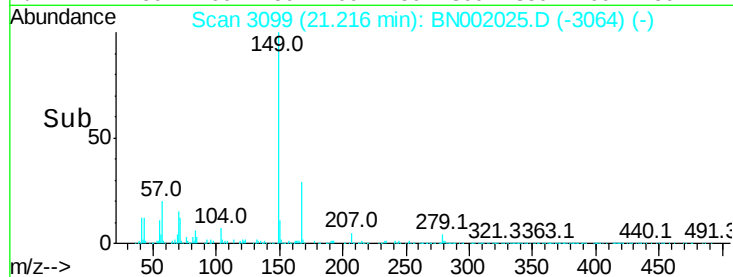
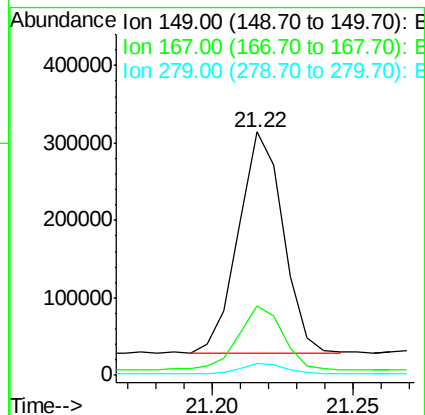
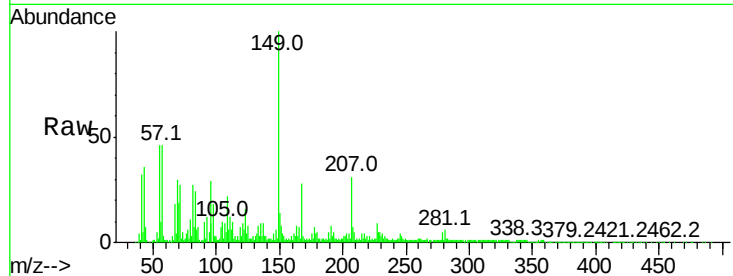




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.347 ng/ul
 RT: 21.22 min Scan# 3099
 Delta R.T. 0.01 min
 Lab File: BN002025.D
 Acq: 12 Jul 2018 12:08

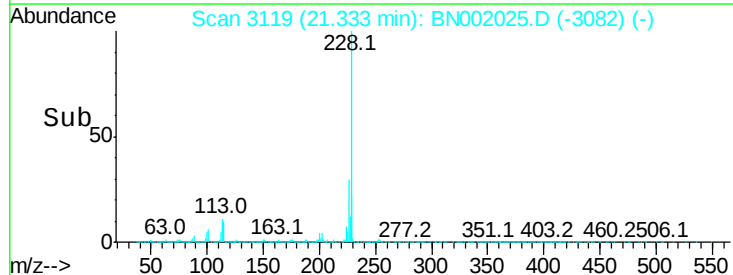
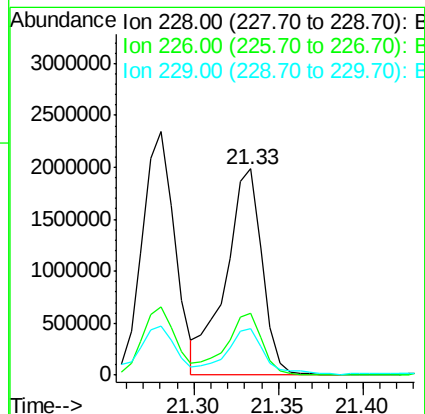
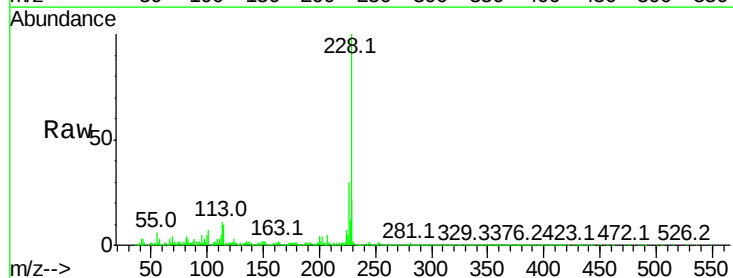
Instrument :
 BNA_N
 ClientSampleId :

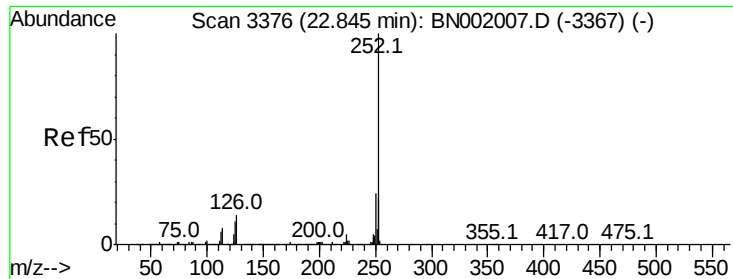
Tot Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.0	34.6
279	4.8	4.3	6.5



#82
 Chrysene
 Concen: 21.384 ng/ul
 RT: 21.33 min Scan# 3119
 Delta R.T. 0.02 min
 Lab File: BN002025.D
 Acq: 12 Jul 2018 12:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	22.3	16.0	24.0





#85

Benzo(b)fluoranthene

Concen: 23.625 ng/ul

RT: 22.87 min Scan# 3381

Delta R.T. 0.03 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Instrument :

BNA_N

ClientSampleId :

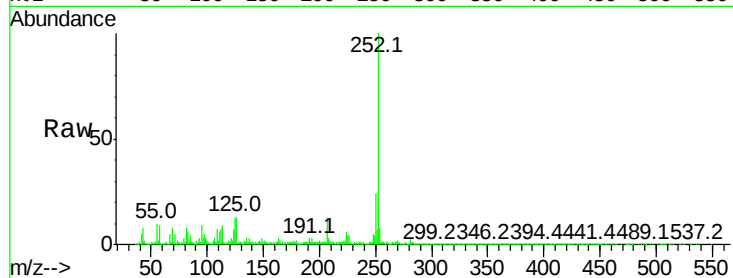
Tot Ion:252 Resp: 3176210

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

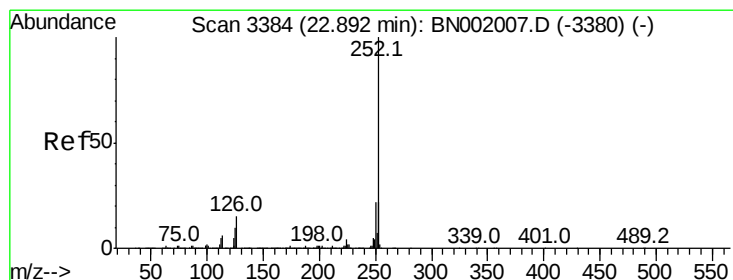
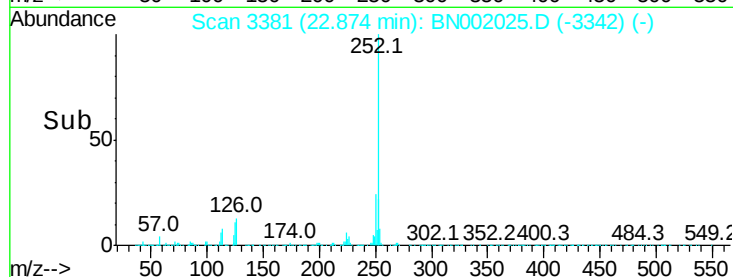
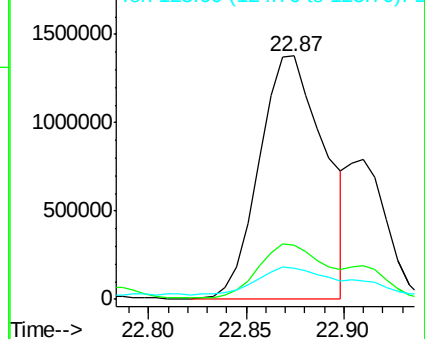
125 12.7 4.9 7.3#



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: 24.363 ng/ul

RT: 22.87 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

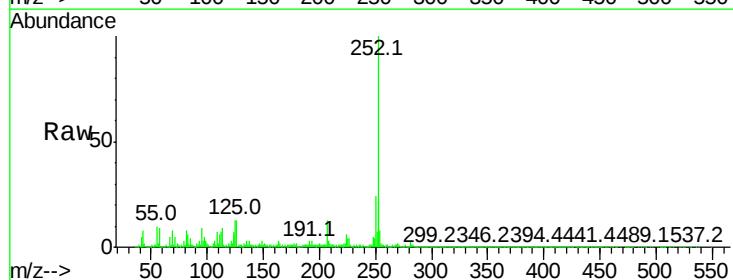
Tgt Ion:252 Resp: 3176210

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

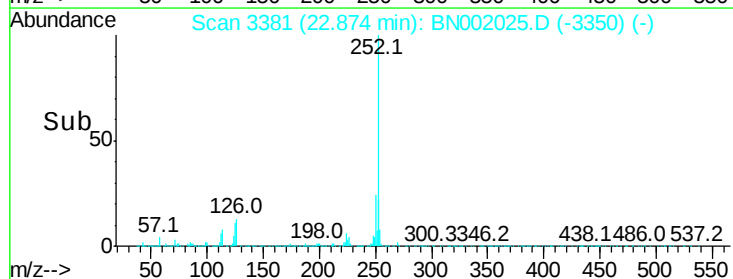
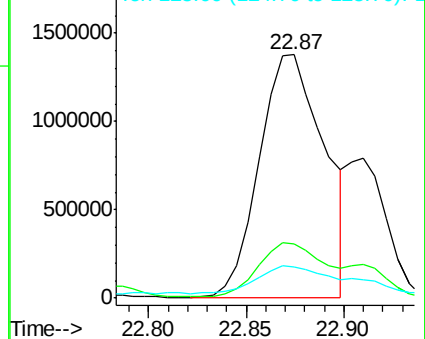
125 12.7 5.4 8.0#

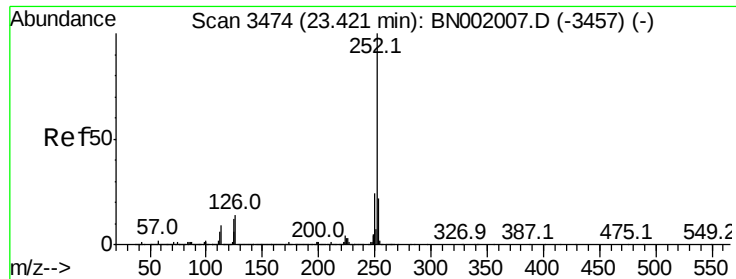


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 15.242 ng/ul

RT: 23.45 min Scan# 3478

Delta R.T. 0.02 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Instrument :

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ClientSampleId :

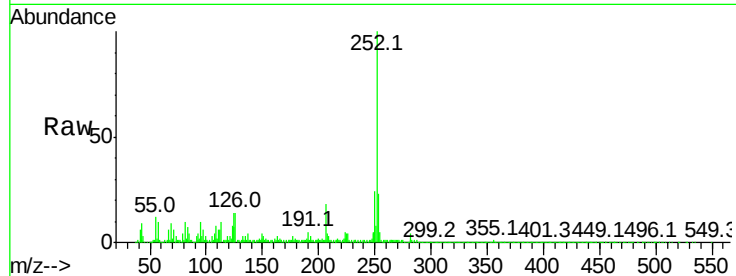
Tot Ion:252 Resp: 1914936

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

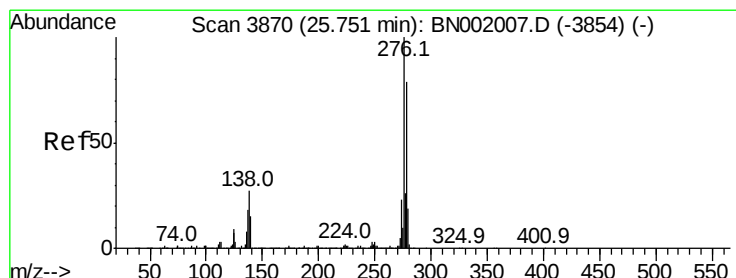
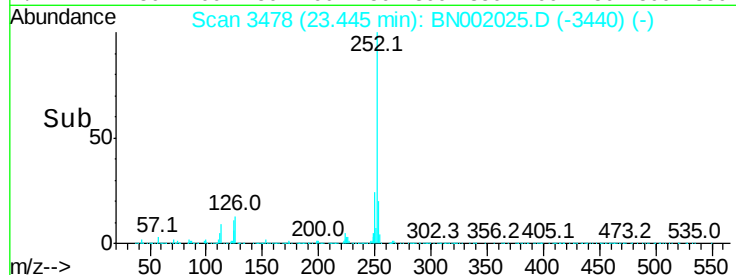
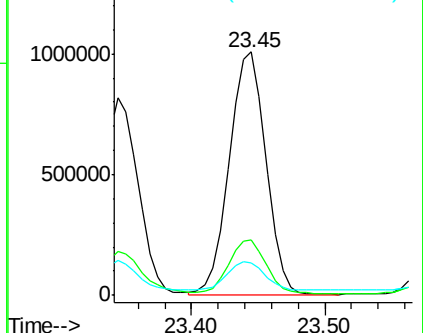
125 13.5 5.8 8.6#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.851 ng/ul

RT: 25.79 min Scan# 3876

Delta R.T. 0.04 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

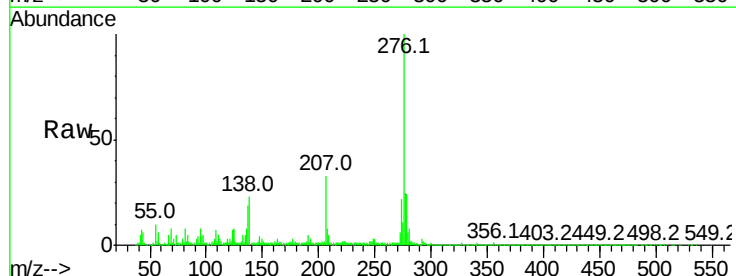
Tgt Ion:276 Resp: 1450558

Ion Ratio Lower Upper

276 100

138 23.0 10.9 16.3#

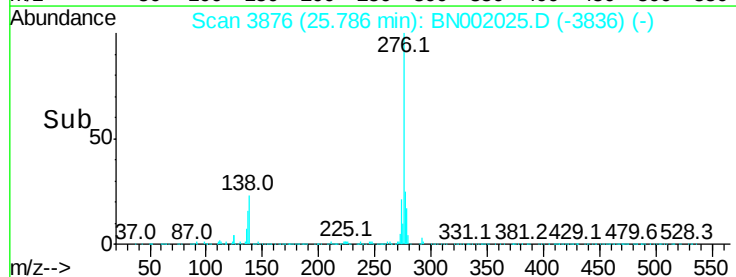
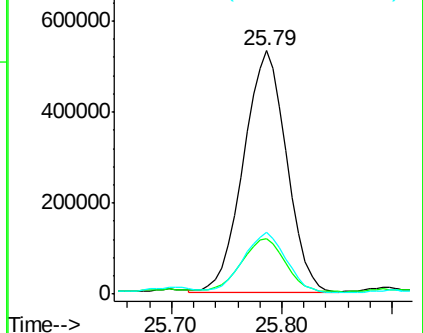
277 25.5 18.9 28.3

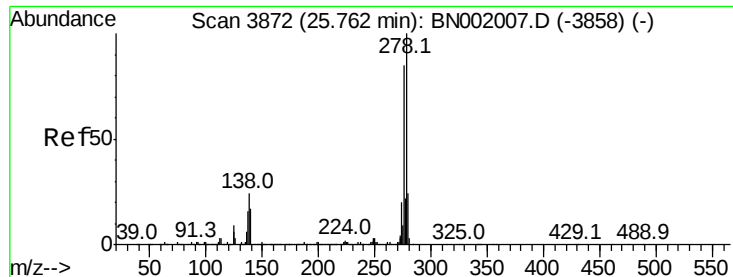


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.544 ng/ul

RT: 25.79 min Scan# 3876

Delta R.T. 0.02 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

Instrument :

BNA_N

ClientSampleId :

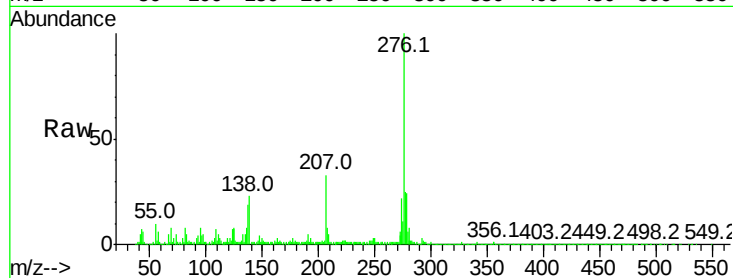
Tot Ion:278 Resp: 394303

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

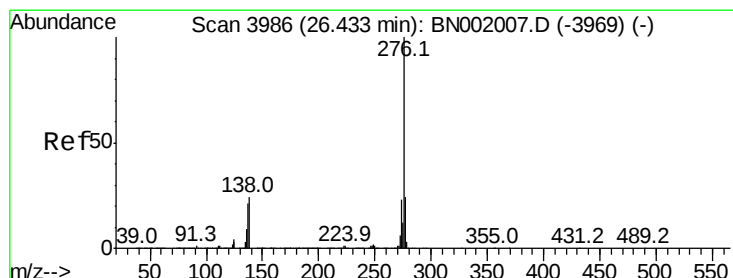
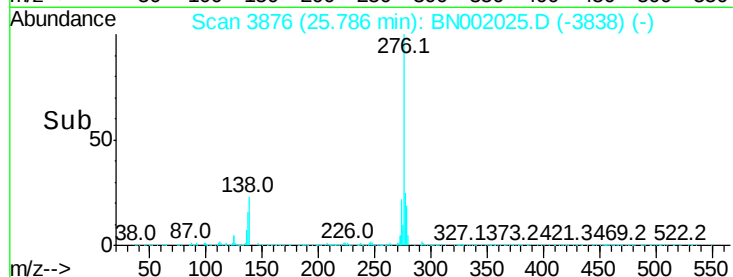
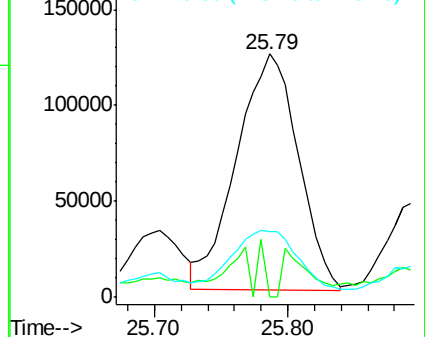
279 27.0 19.1 28.7



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



#91

Benzo(g,h,i)perylene

Concen: 10.766 ng/ul

RT: 26.47 min Scan# 3993

Delta R.T. 0.04 min

Lab File: BN002025.D

Acq: 12 Jul 2018 12:08

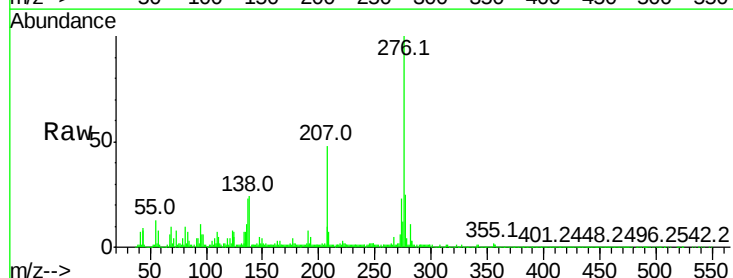
Tgt Ion:276 Resp: 1187230

Ion Ratio Lower Upper

276 100

138 23.7 11.2 16.8#

277 24.7 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

