

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002018.D
 Acq On : 11 Jul 2018 19:32
 Operator : JU/SJ
 Sample : J3775-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:44:09 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	494631	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2223140	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1301034	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.09	188	2906944	20.00	ng/ul	0.01
75) Chrysene-d12	21.29	240	2350794	20.00	ng/ul	0.01
83) Perylene-d12	23.54	264	2078460	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	52043	4.57	ng/uL	0.00
5) Phenol-d5	6.90	99	1293350	28.89	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.05	67	782834	28.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1039578	29.29	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	862893	24.06	ng/ul	0.01
19) Nitrobenzene-d5	8.86	128	536888	32.52	ng/ul	0.01
22) 2-Nitrophenol-d4	9.58	143	610252	35.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	1080706	29.62	ng/ul	0.01
29) 4-Chloroaniline-d4	10.63	131	599682	15.88	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	3328826	30.30	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4247972	31.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	520243	25.70	ng/ul	0.02
57) Fluorene-d10	15.34	176	3042642	31.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	297309	18.78	ng/ul	0.01
70) Anthracene-d10	17.19	188	4624497	32.93	ng/ul	0.01
76) Pyrene-d10	19.49	212	4715325	39.79	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.40	264	3633566	32.15	ng/ul	0.02

Target Compounds

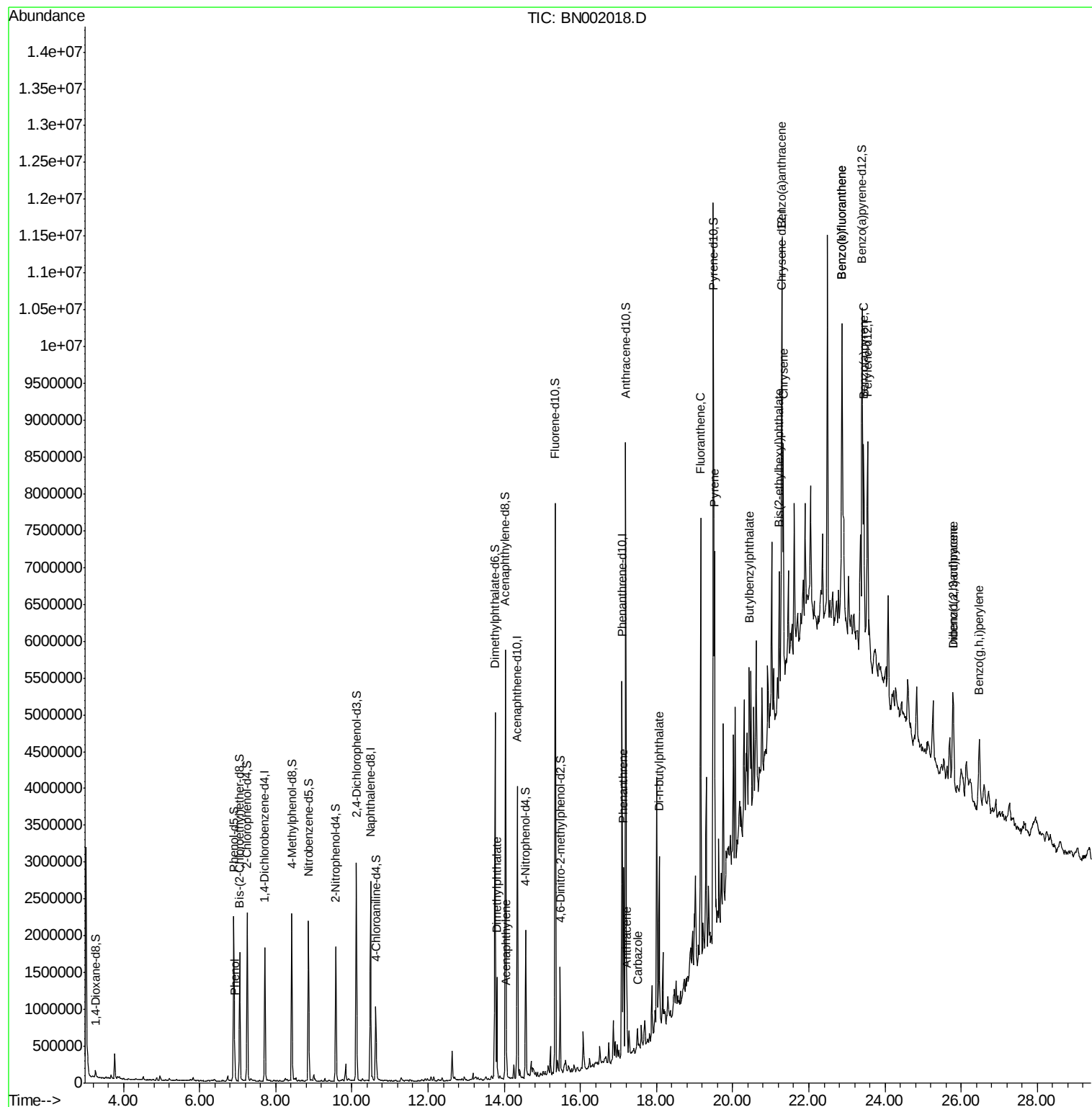
					Ovalue	
6) Phenol	6.92	94	76139	1.687	ng/ul	96
44) Dimethylphthalate	13.80	163	853138	7.901	ng/ul	100
47) Acenaphthylene	14.06	152	168041	1.284	ng/ul	100
69) Phenanthrene	17.13	178	1531248	9.351	ng/ul	99
71) Anthracene	17.23	178	342197	2.064	ng/ul	97
72) Carbazole	17.50	167	183801	1.324	ng/ul	95
73) Di-n-butylphthalate	18.07	149	1743827	9.946	ng/ul	99
74) Fluoranthene	19.16	202	3451490	20.052	ng/ul#	90
77) Pvrene	19.52	202	2883888	19.603	ng/ul#	87
78) Butylbenzylphthalate	20.43	149	436581	6.955	ng/ul	94
80) Benzo(a)anthracene	21.28	228	1512139	10.178	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.22	149	690837	7.380	ng/ul	98
82) Chrysene	21.33	228	1706020	12.341	ng/ul	97
85) Benzo(b)fluoranthene	22.87	252	2424272	18.467	ng/ul#	91
86) Benzo(k)fluoranthene	22.87	252	2424272	19.044	ng/ul#	91
88) Benzo(a)pyrene	23.45	252	1350423	11.008	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	25.79	276	1206749	9.245	ng/ul#	89
90) Dibenzo(a,h)anthracene	25.79	278	327897	3.018	ng/ul#	75
91) Benzo(g,h,i)perylene	26.47	276	1119990	10.401	ng/ul#	90

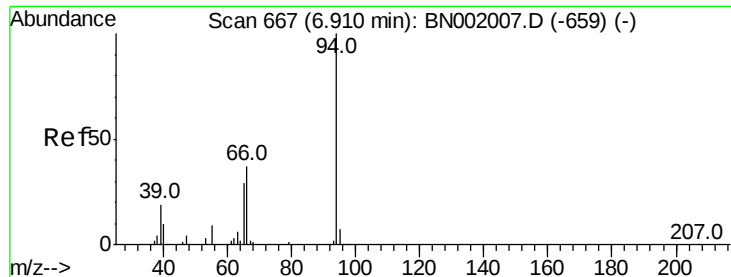
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.687 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampleId :

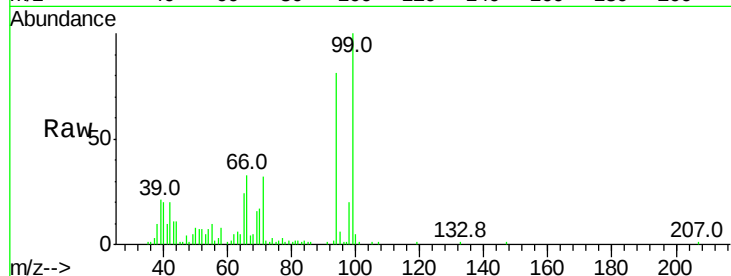
Tot Ion: 94 Resp: 76139

Ion Ratio Lower Upper

94 100

65 29.7 23.0 34.6

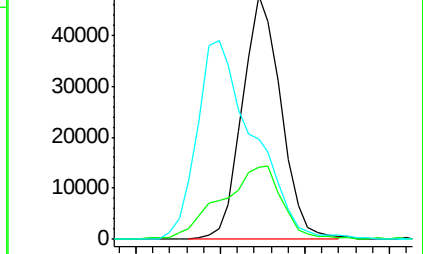
66 41.2 30.4 45.6



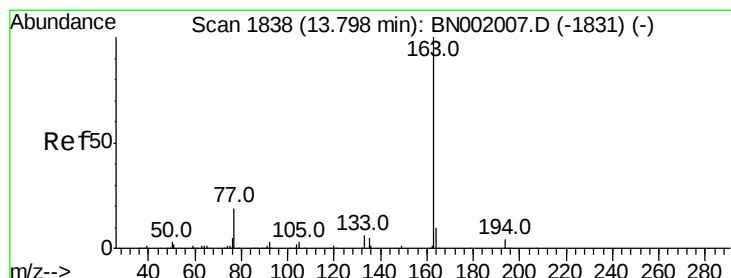
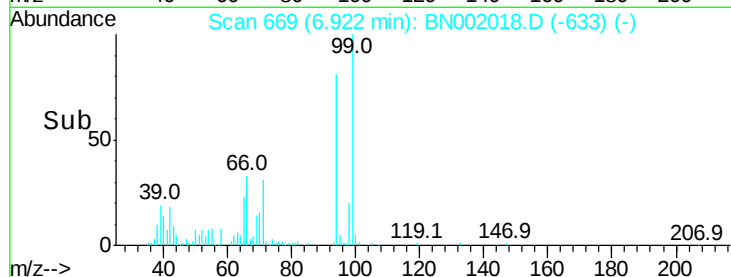
Abundance Ion 94.00 (93.70 to 94.70): BN002007.D (-659) (-)

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

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



Time-->



#44

Dimethylphthalate

Concen: 7.901 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

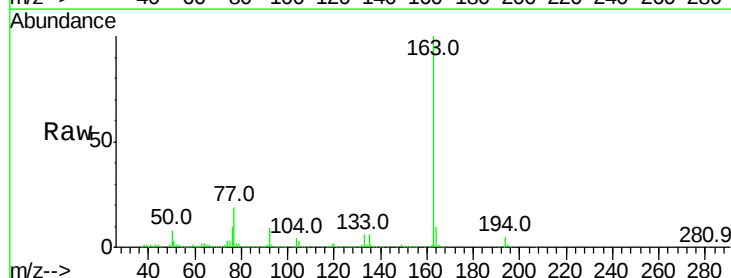
Tgt Ion:163 Resp: 853138

Ion Ratio Lower Upper

163 100

194 4.6 4.0 6.0

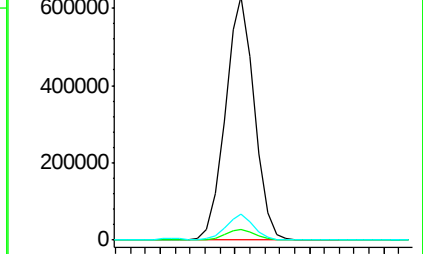
164 10.4 8.4 12.6



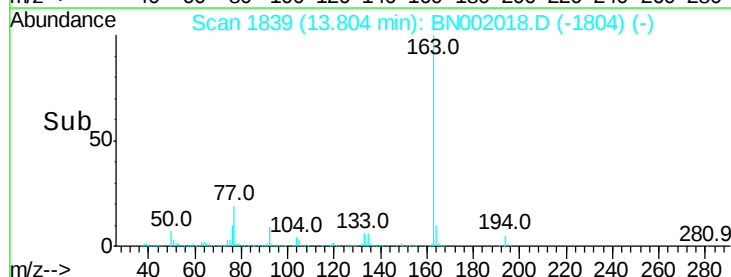
Abundance Ion 163.00 (162.70 to 163.70): BN002007.D (-1831) (-)

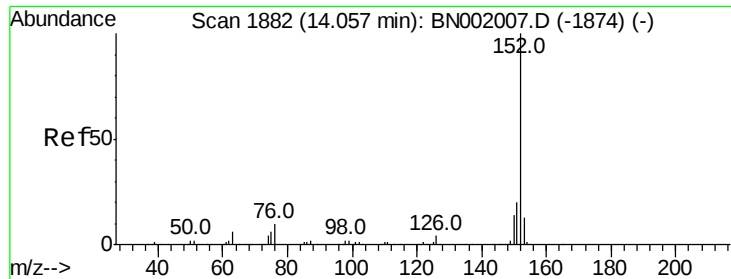
Ion 194.00 (193.70 to 194.70): BN002007.D (-1831) (-)

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



Time-->





#47

Acenaphthylene

Concen: 1.284 ng/ul

RT: 14.06 min Scan# 1883

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampleId :

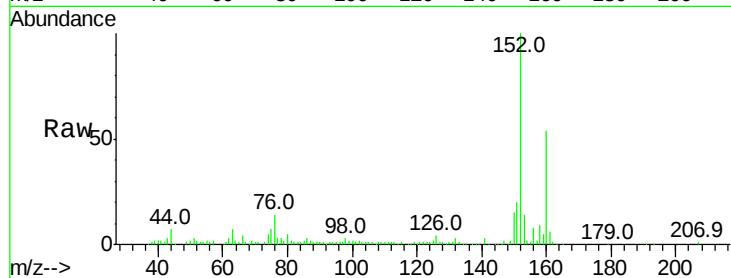
Tot Ion:152 Resp: 168041

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

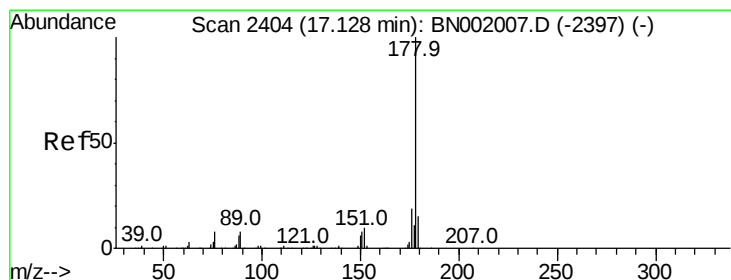
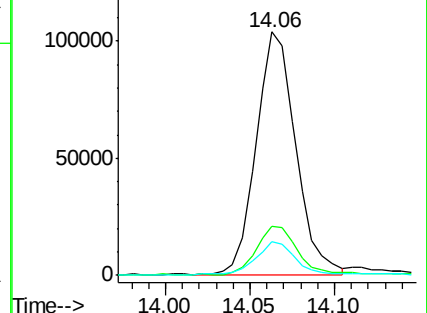
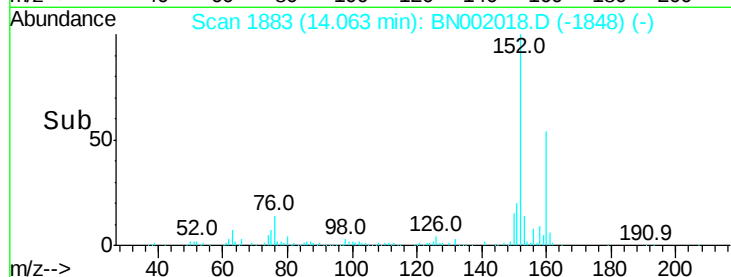
153 13.6 10.8 16.2



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: 9.351 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

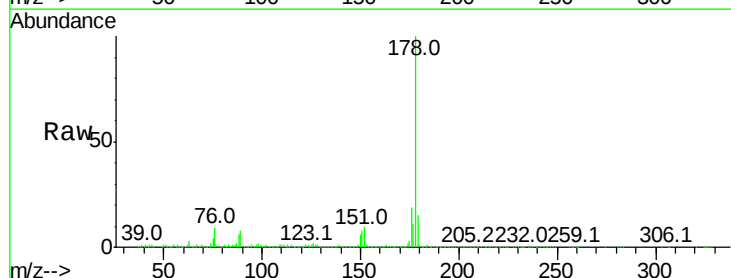
Tgt Ion:178 Resp: 1531248

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

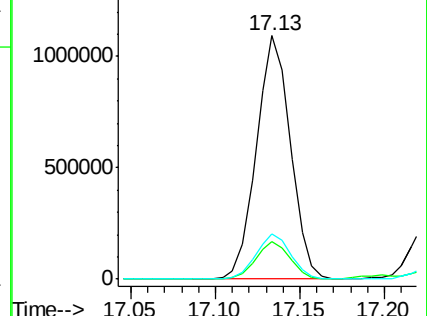
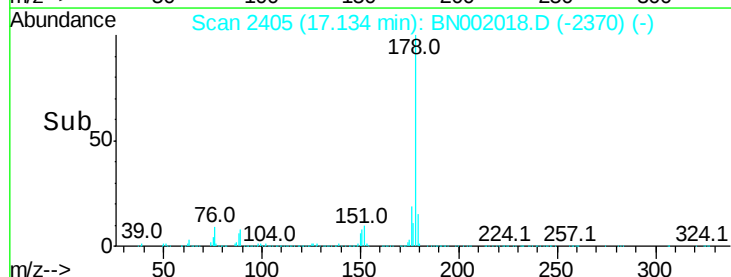
176 18.8 15.4 23.0

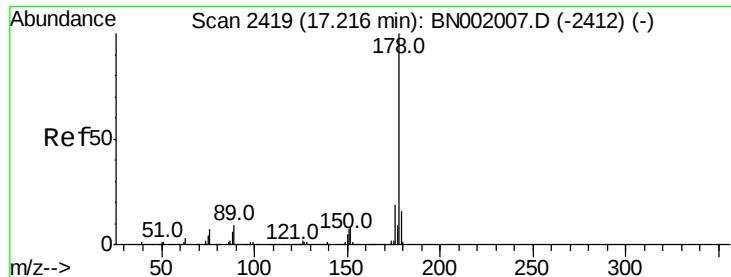


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

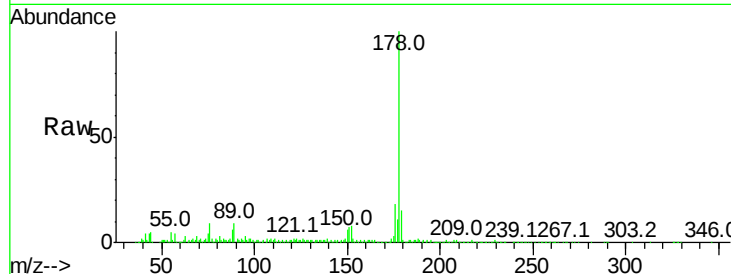




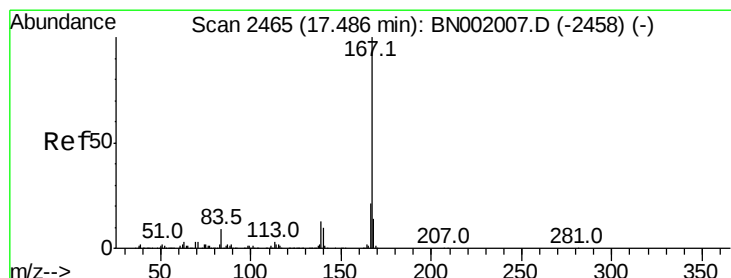
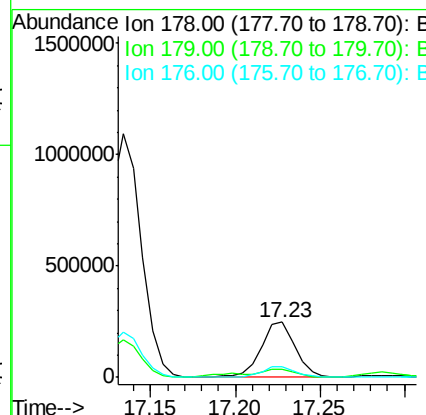
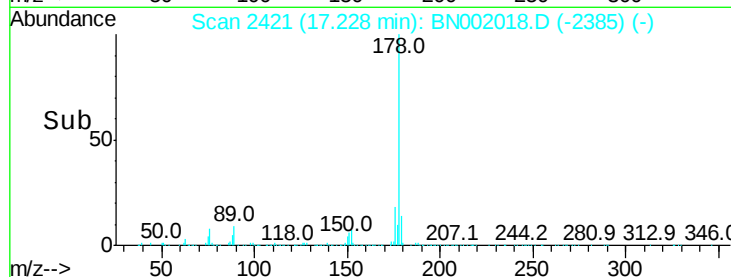
#71
 Anthracene
 Concen: 2.064 ng/ul
 RT: 17.23 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: BN002018.D
 Acq: 11 Jul 2018 19:32

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.8	13.4	20.2
176	18.3	15.4	23.0

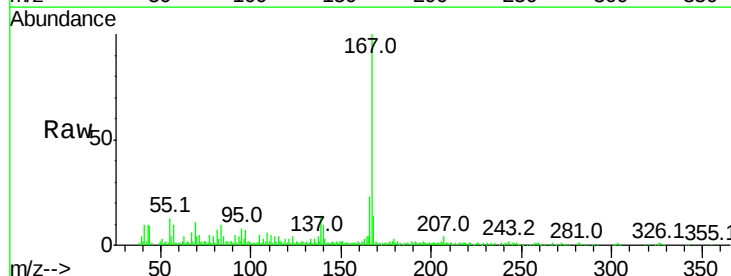


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

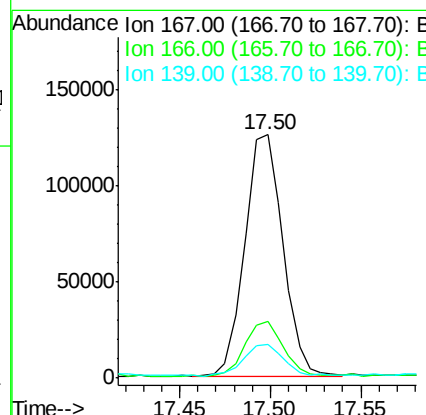
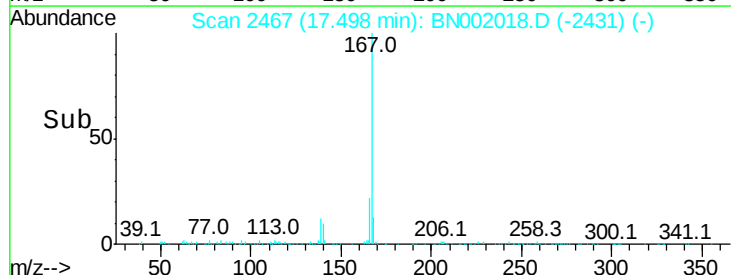


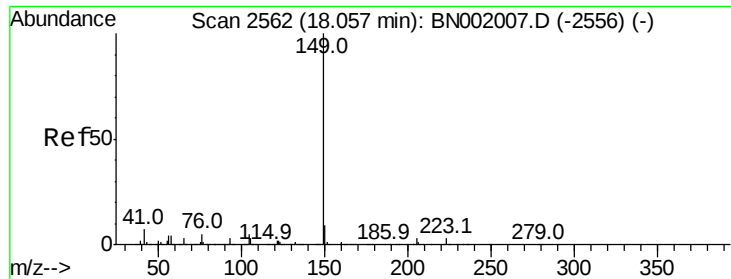
#72
 Carbazole
 Concen: 1.324 ng/ul
 RT: 17.50 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BN002018.D
 Acq: 11 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.0	25.4
139	13.7	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





#73

Di-n-butylphthalate

Concen: 9.946 ng/ul

RT: 18.07 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampleId :

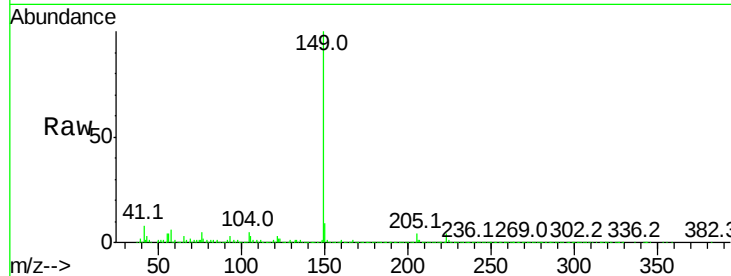
Tot Ion:149 Resp: 1743827

Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

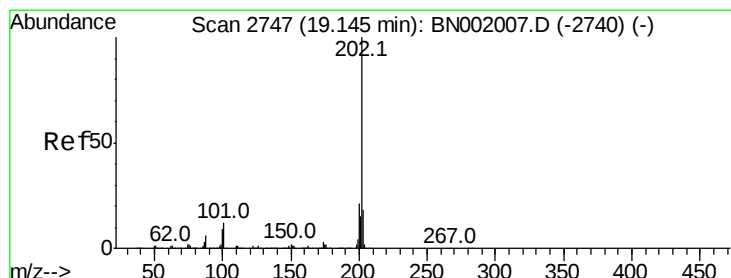
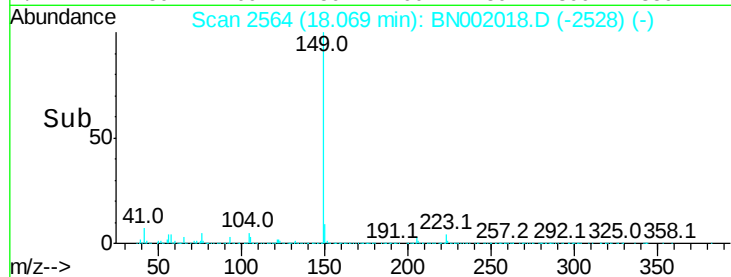
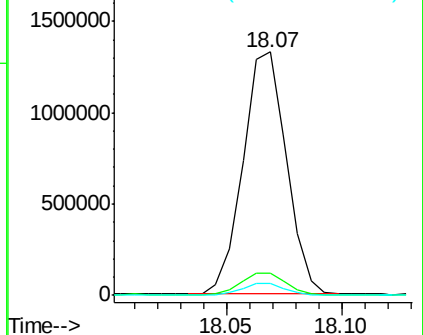
104 4.8 4.1 6.1



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: 20.052 ng/ul

RT: 19.16 min Scan# 2749

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

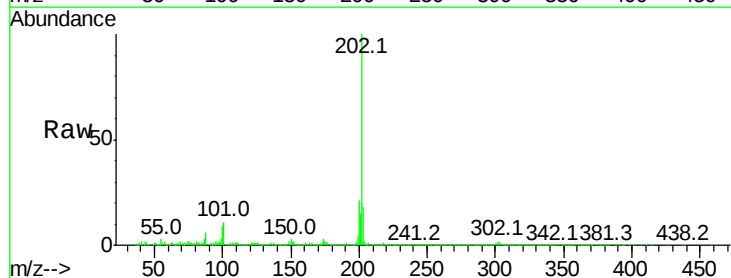
Tgt Ion:202 Resp: 3451490

Ion Ratio Lower Upper

202 100

101 11.5 6.1 9.1#

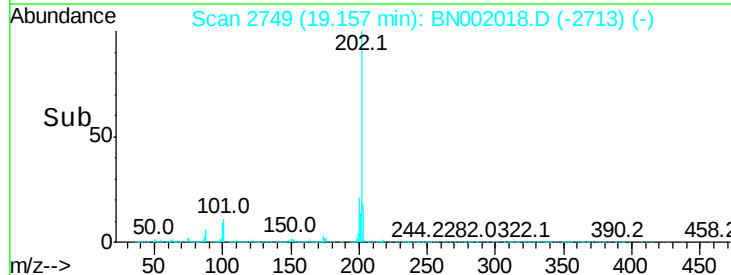
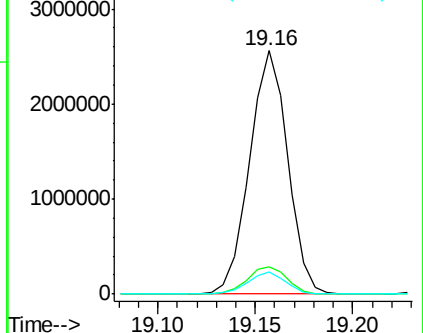
100 8.8 4.6 7.0#

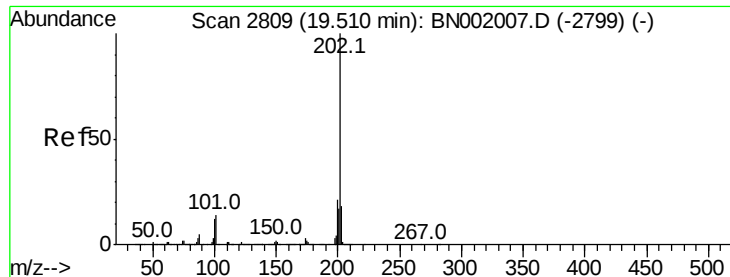


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 19.603 ng/ul

RT: 19.52 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampleId :

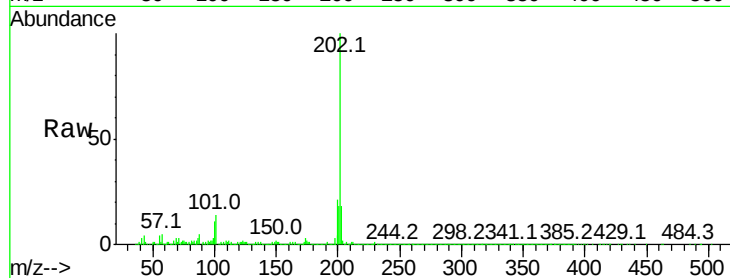
Tot Ion:202 Resp: 2883888

Ion Ratio Lower Upper

202 100

101 13.7 6.9 10.3#

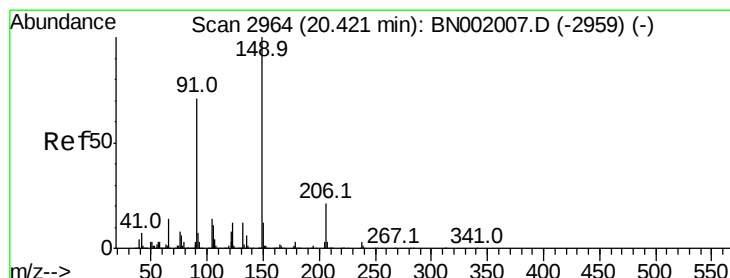
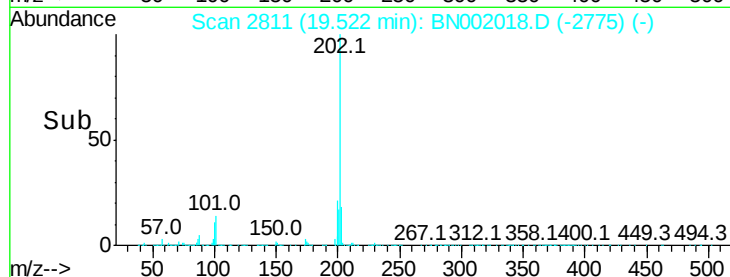
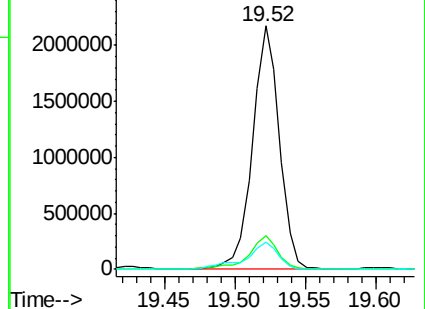
100 11.1 5.6 8.4#



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



#78

Butylbenzylphthalate

Concen: 6.955 ng/ul

RT: 20.43 min Scan# 2966

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

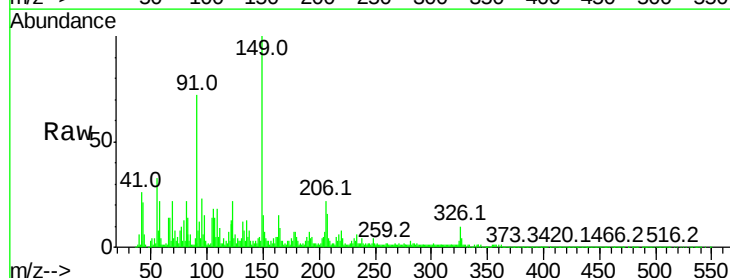
Tgt Ion:149 Resp: 436581

Ion Ratio Lower Upper

149 100

91 72.3 53.4 80.0

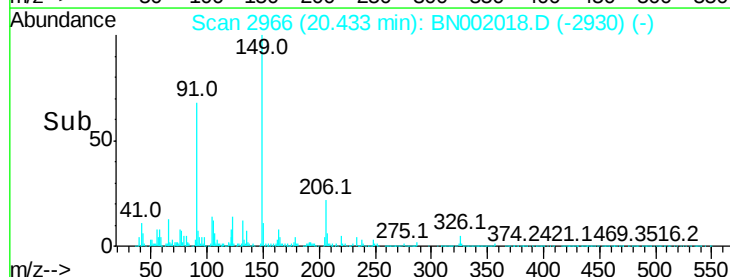
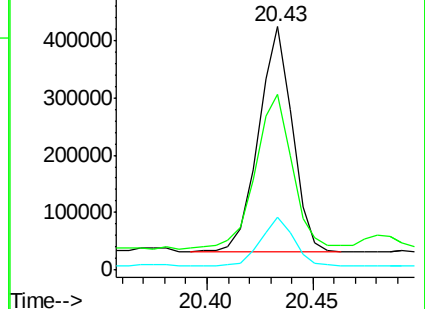
206 21.8 19.3 28.9

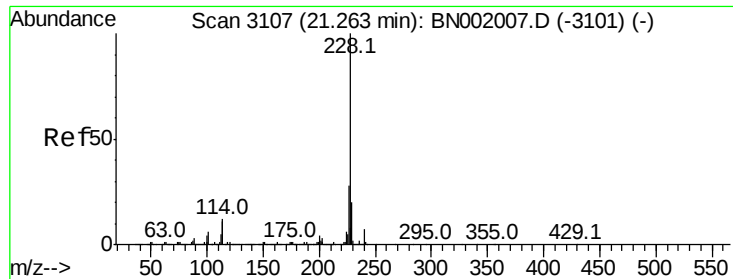


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 10.178 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.02 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampleId :

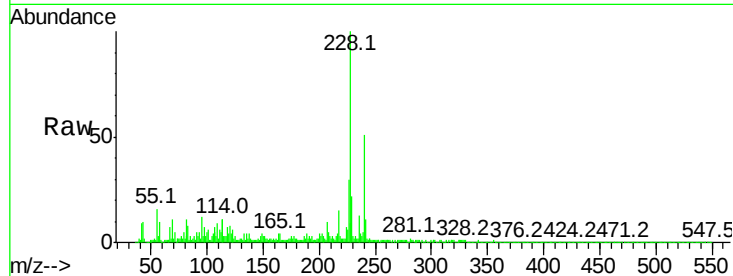
Tot Ion:228 Resp: 1512139

Ion Ratio Lower Upper

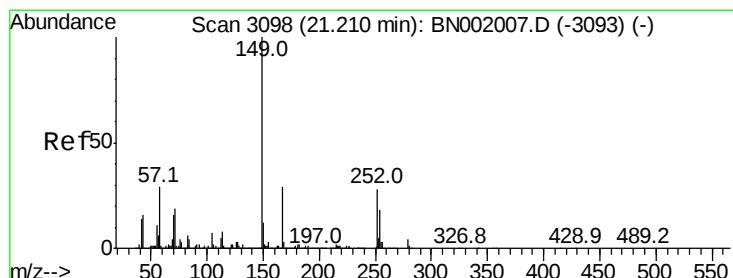
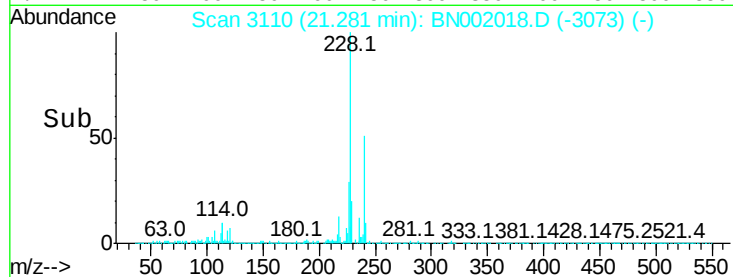
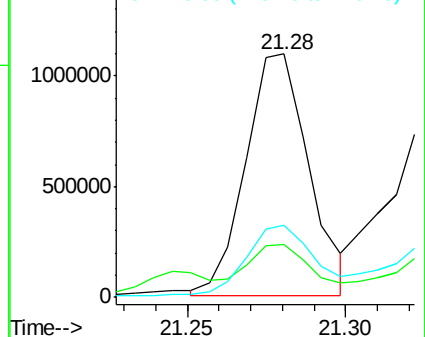
228 100

229 21.7 16.0 24.0

226 29.8 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: 7.380 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

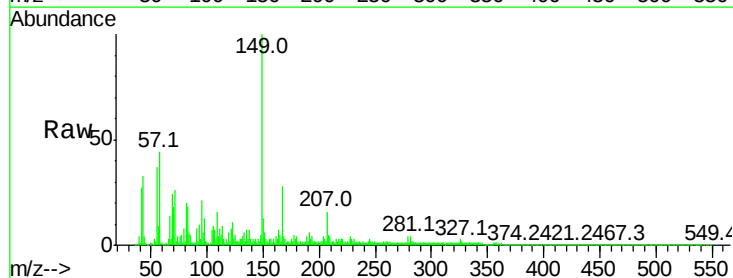
Tgt Ion:149 Resp: 690837

Ion Ratio Lower Upper

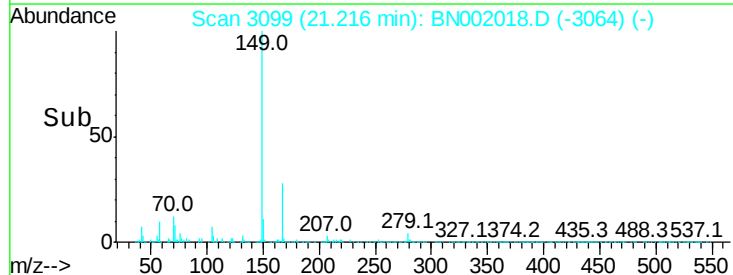
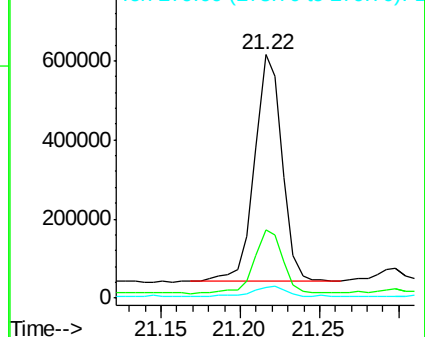
149 100

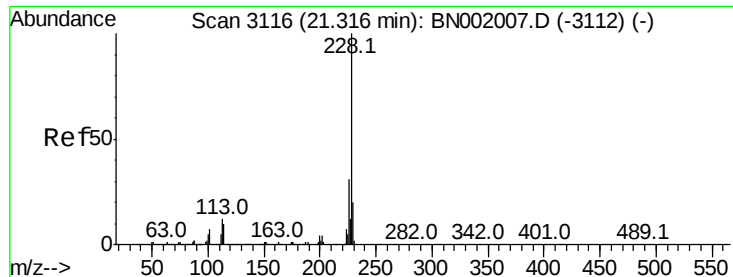
167 27.9 23.0 34.6

279 4.4 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





#82

Chrysene

Concen: 12.341 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

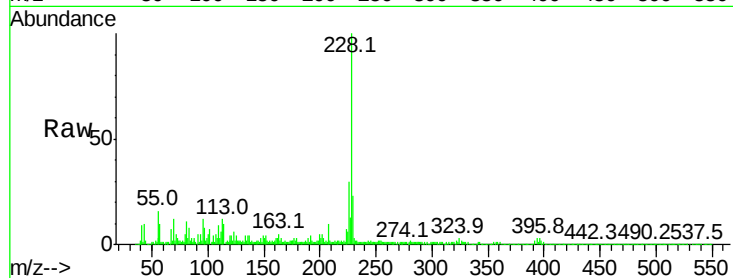
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 1706020

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	23.0	16.0	24.0

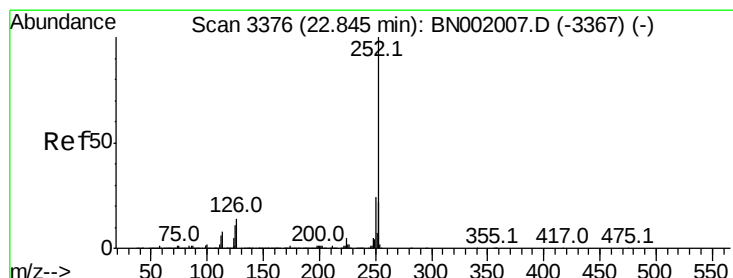
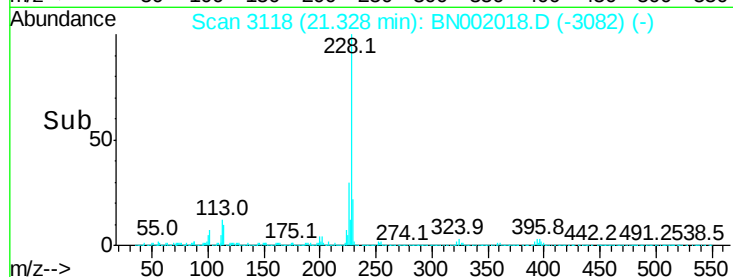
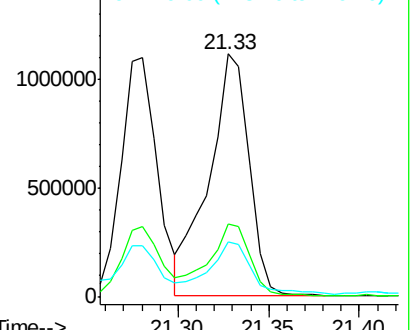


Abundance

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: 18.467 ng/ul

RT: 22.87 min Scan# 3380

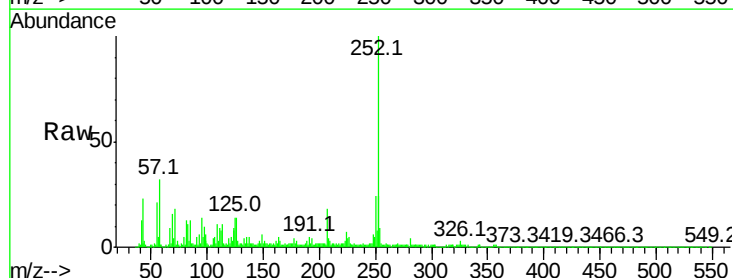
Delta R.T. 0.02 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Tgt Ion:252 Resp: 2424272

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	14.3	4.9	7.3

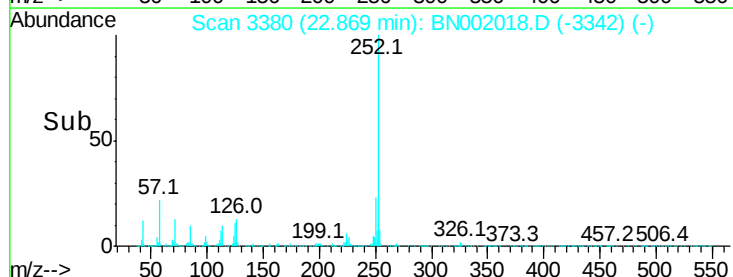
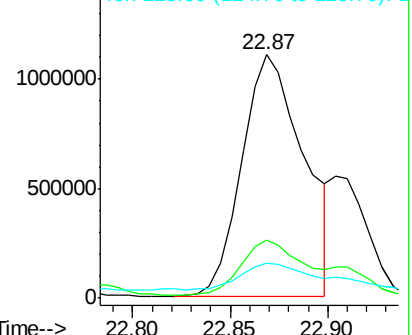


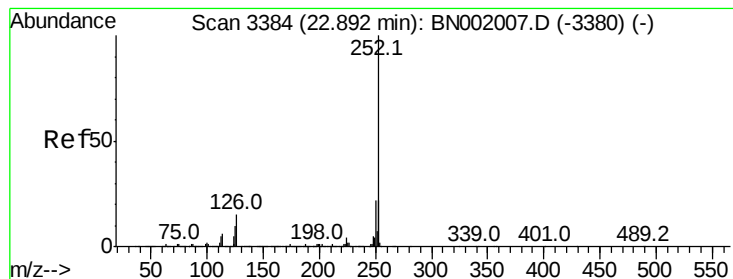
Abundance

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: 19.044 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. -0.02 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampled :

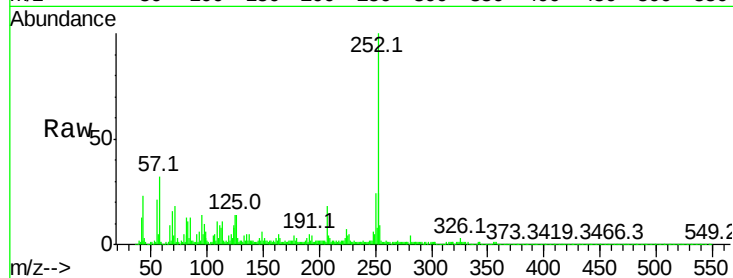
Tot Ion:252 Resp: 2424272

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

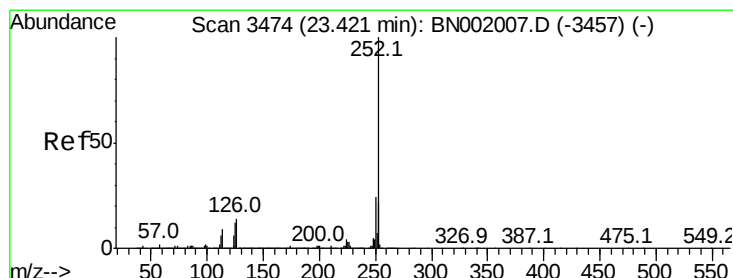
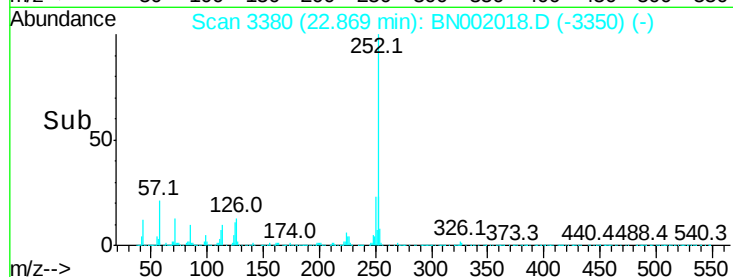
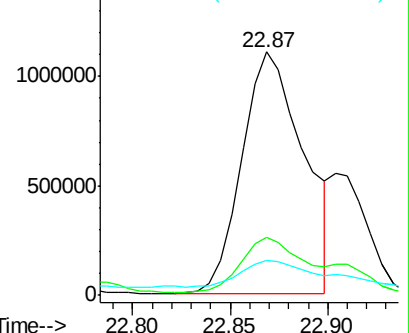
125 14.3 5.4 8.0#



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: 11.008 ng/ul

RT: 23.45 min Scan# 3478

Delta R.T. 0.02 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

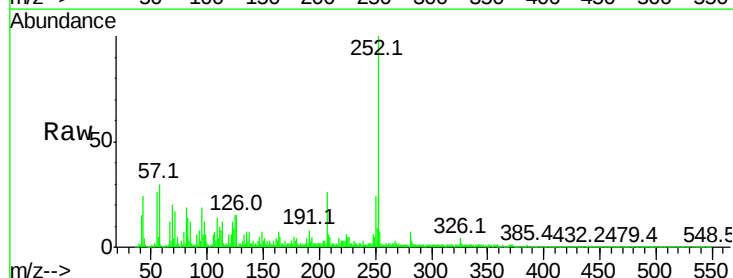
Tgt Ion:252 Resp: 1350423

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

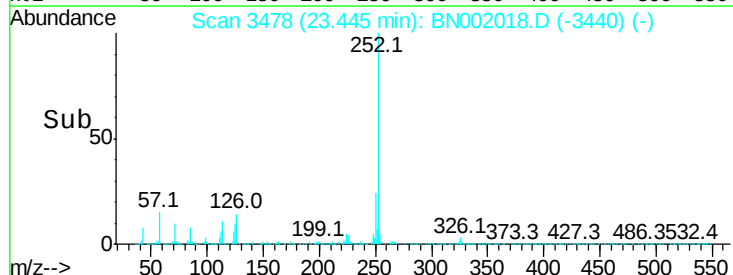
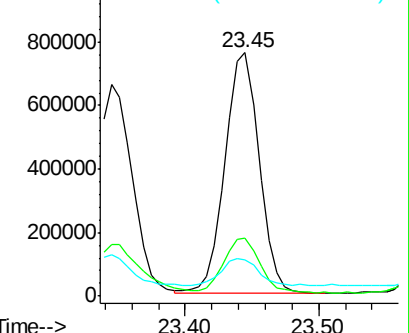
125 14.8 5.8 8.6#

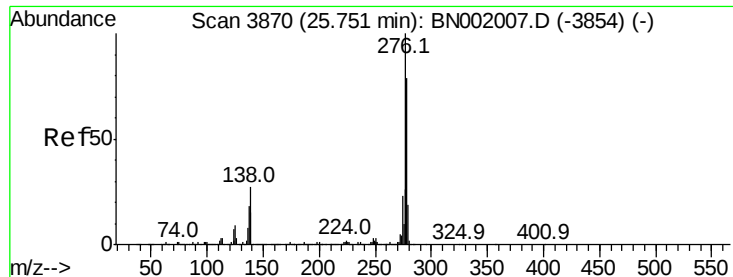


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

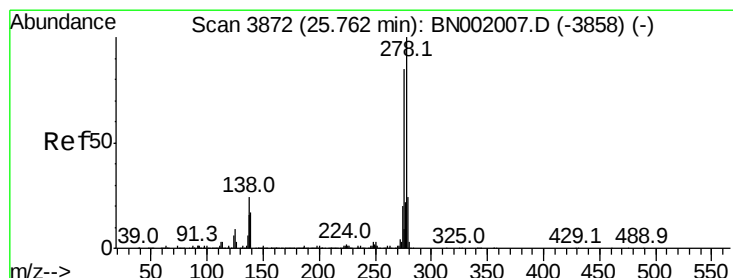
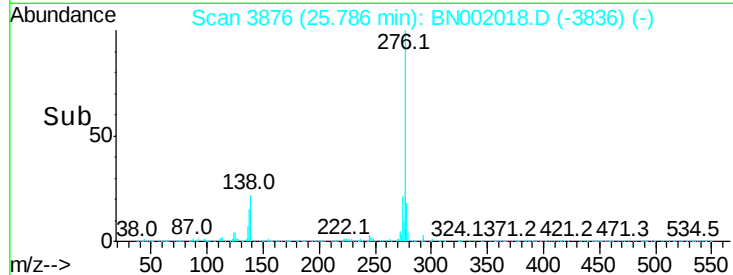
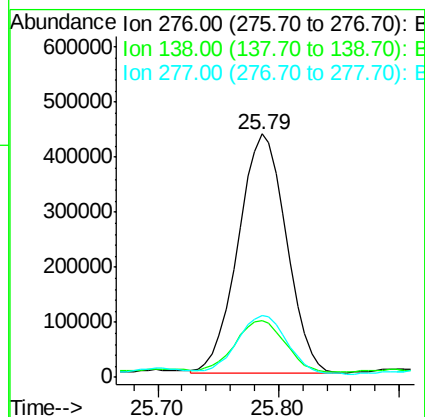
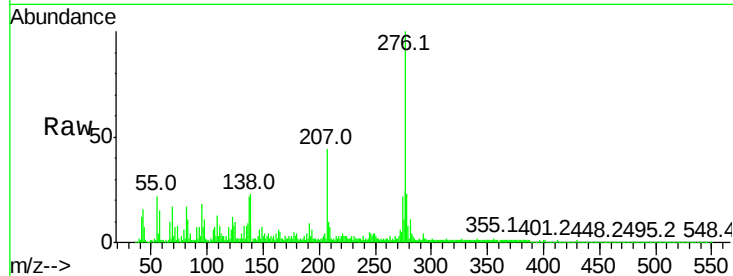




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 9.245 ng/ul
 RT: 25.79 min Scan# 3876
 Delta R.T. 0.04 min
 Lab File: BN002018.D
 Acq: 11 Jul 2018 19:32

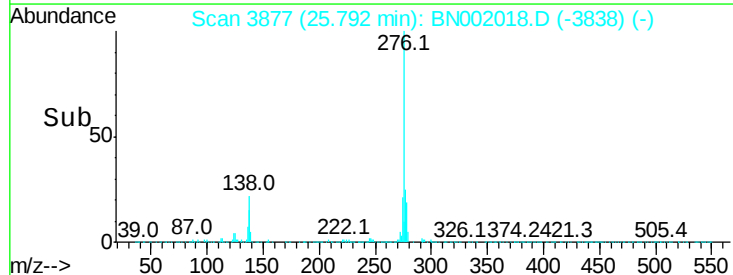
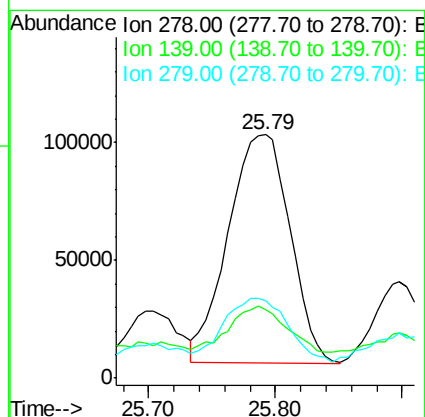
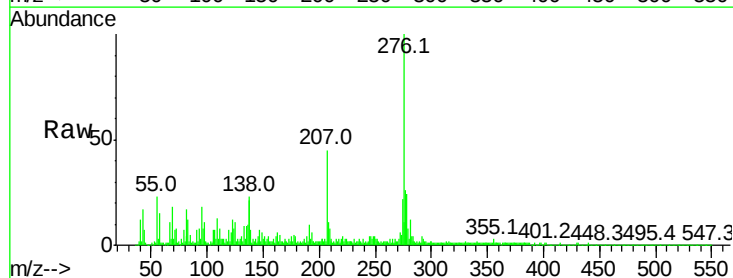
Instrument :
 BNA_N
 ClientSampled :

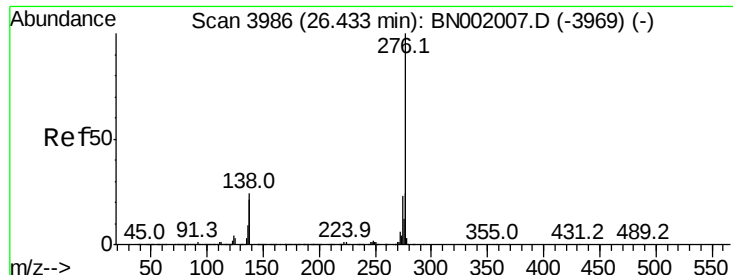
Tot Ion:276 Resp: 1206749
 Ion Ratio Lower Upper
 276 100
 138 23.3 10.9 16.3#
 277 25.3 18.9 28.3



#90
 Dibenzo(a,h)anthracene
 Concen: 3.018 ng/ul
 RT: 25.79 min Scan# 3877
 Delta R.T. 0.03 min
 Lab File: BN002018.D
 Acq: 11 Jul 2018 19:32

Tgt Ion:278 Resp: 327897
 Ion Ratio Lower Upper
 278 100
 139 28.3 9.0 13.4#
 279 31.9 19.1 28.7#





#91

Benzo(a,h,i)perylene

Concen: 10.401 ng/ul

RT: 26.47 min Scan# 3993

Delta R.T. 0.04 min

Lab File: BN002018.D

Acq: 11 Jul 2018 19:32

Instrument :

BNA_N

ClientSampleId :

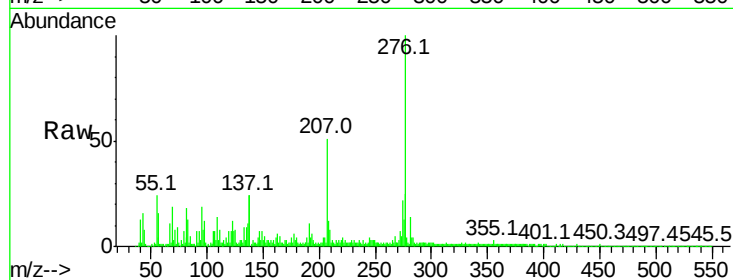
Tot Ion:276 Resp: 1119990

Ion Ratio Lower Upper

276 100

138 24.1 11.2 16.8#

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

