

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002021.D
 Acq On : 11 Jul 2018 21:18
 Operator : JU/SJ
 Sample : J3775-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:44:39 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	7.72	152	632492	20.00	ng/ul	0.01
18) Naphthalene-d8	10.49	136	2797314	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.35	164	1570931	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.10	188	3217956	20.00	ng/ul	0.02
75) Chrysene-d12	21.30	240	2026709	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	2051733	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	14390	0.99	ng/uL	0.00
5) Phenol-d5	6.90	99	371200	6.49	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.05	67	224471	6.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	301497	6.64	ng/ul	0.02
13) 4-Methylphenol-d8	8.43	113	281420	6.14	ng/ul	0.02
19) Nitrobenzene-d5	8.86	128	149798	7.21	ng/ul	0.01
22) 2-Nitrophenol-d4	9.58	143	162172	7.54	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.12	165	312498	6.81	ng/ul	0.02
29) 4-Chloroaniline-d4	10.63	131	78853	1.66	ng/ul	0.02
43) Dimethylphthalate-d6	13.76	166	946829	7.14	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	1196287	7.30	ng/ul	0.01
51) 4-Nitrophenol-d4	14.57	143	138286	5.66	ng/ul	0.03
57) Fluorene-d10	15.34	176	839355	7.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	42400	2.42	ng/ul	0.02
70) Anthracene-d10	17.19	188	1188888	7.65	ng/ul	0.01
76) Pyrene-d10	19.50	212	1026465	10.05	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.40	264	819631	7.35	ng/ul	0.02

Target Compounds

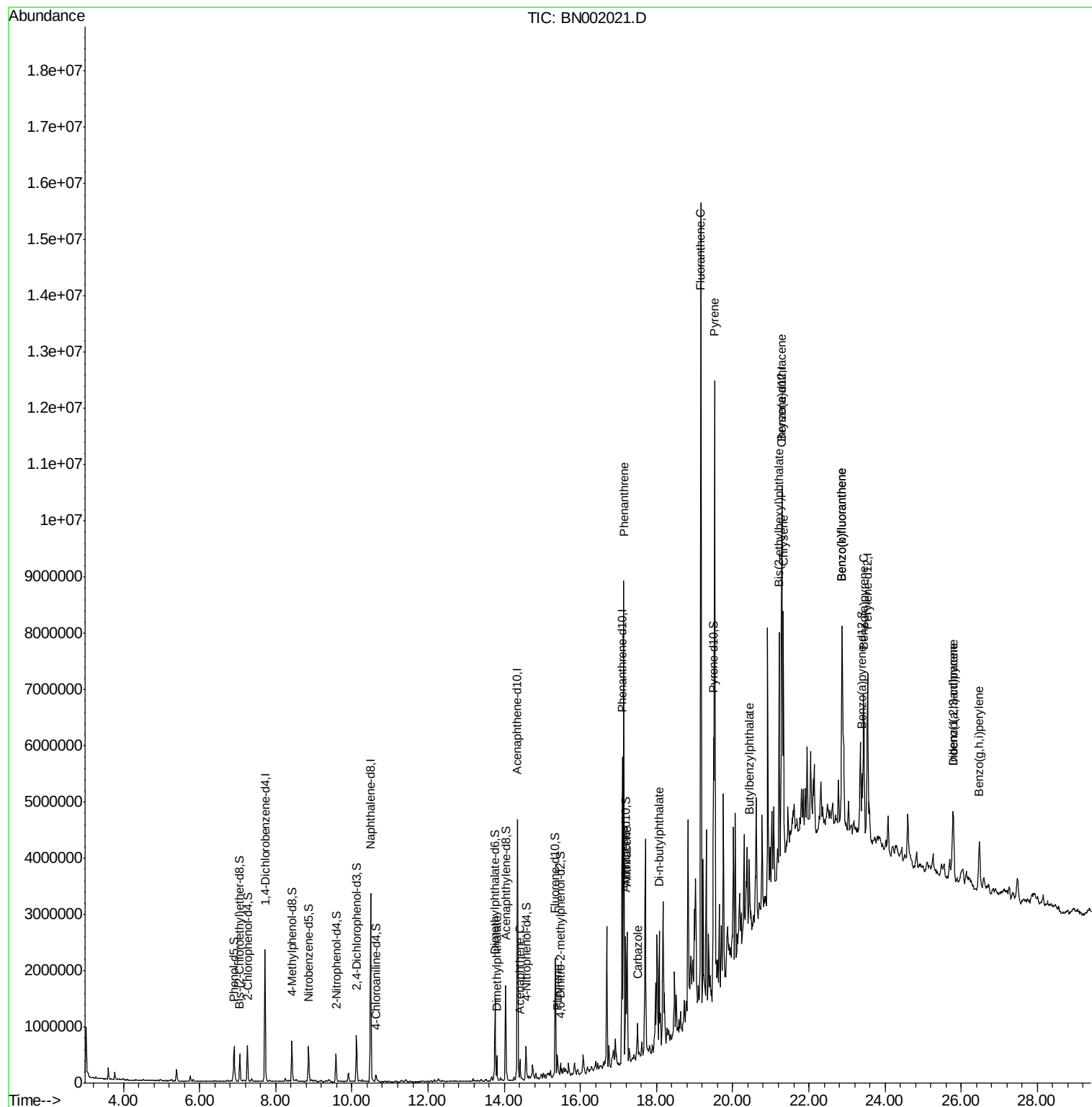
					Ovalue	
44) Dimethylphthalate	13.80	163	283206	2.172	ng/ul	98
49) Acenaphthene	14.41	153	147018	1.341	ng/ul	97
58) Fluorene	15.40	166	147284	1.173	ng/ul	97
69) Phenanthrene	17.14	178	5119887	28.244	ng/ul	99
71) Anthracene	17.23	178	1422636	7.753	ng/ul	97
72) Carbazole	17.50	167	385707	2.509	ng/ul	98
73) Di-n-butylphthalate	18.07	149	1488943	7.671	ng/ul	99
74) Fluoranthene	19.16	202	8718795	45.757	ng/ul#	87
77) Pyrene	19.53	202	6722543	53.004	ng/ul#	87
78) Butylbenzylphthalate	20.43	149	317675	5.870	ng/ul	95
80) Benzo(a)anthracene	21.28	228	2740942	21.399	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.22	149	1532564	18.990	ng/ul	99
82) Chrysene	21.33	228	2340660	19.640	ng/ul	97
85) Benzo(b)fluoranthene	22.87	252	2570649	19.837	ng/ul#	92
86) Benzo(k)fluoranthene	22.87	252	2570649	20.457	ng/ul#	92
88) Benzo(a)pyrene	23.44	252	1640680	13.549	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	25.79	276	1151980	8.940	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.79	278	314376	2.932	ng/ul#	74
91) Benzo(g,h,i)perylene	26.48	276	1008528	9.488	ng/ul#	88

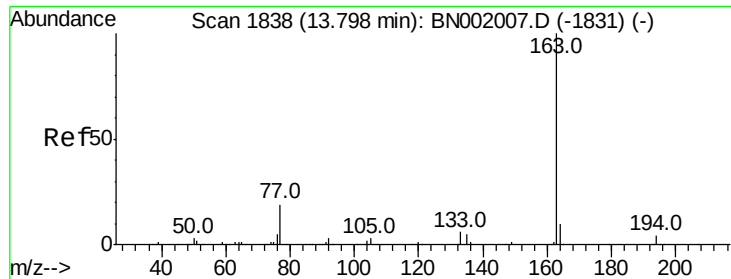
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.172 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Instrument :

BNA_N

ClientSampled :

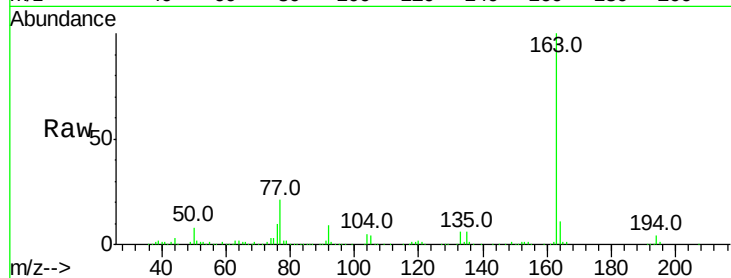
Tot Ion:163 Resp: 283206

Ion Ratio Lower Upper

163 100

194 4.2 4.0 6.0

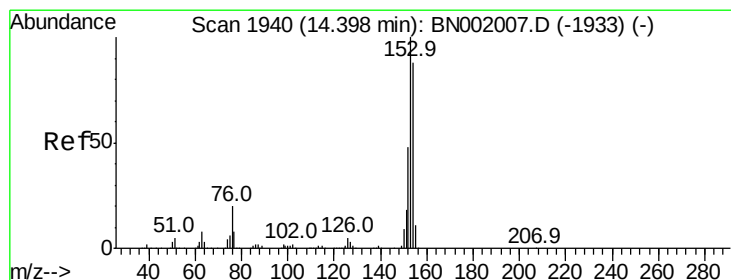
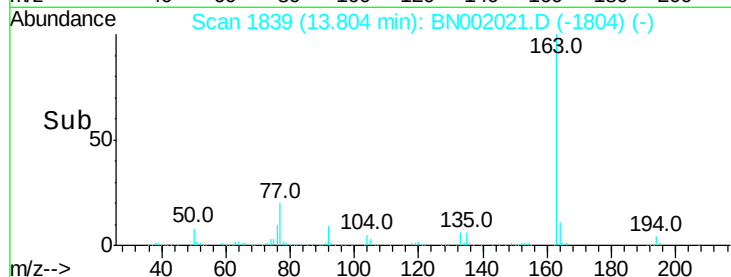
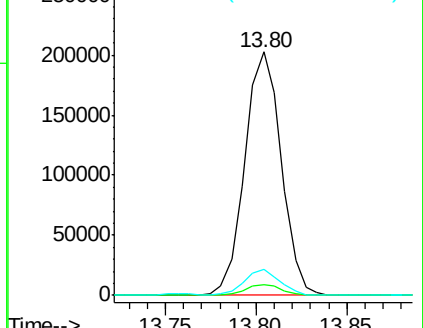
164 10.9 8.4 12.6



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: 1.341 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

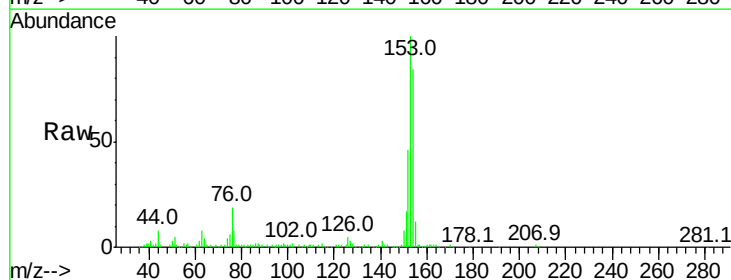
Tgt Ion:153 Resp: 147018

Ion Ratio Lower Upper

153 100

152 45.7 37.9 56.9

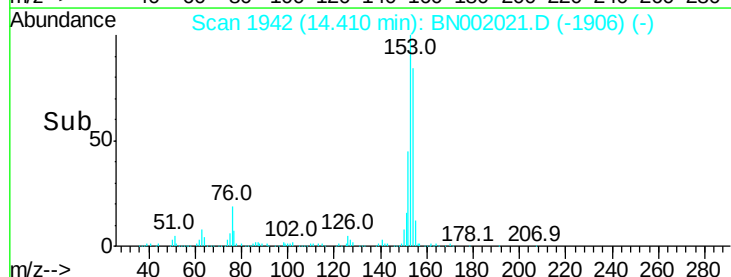
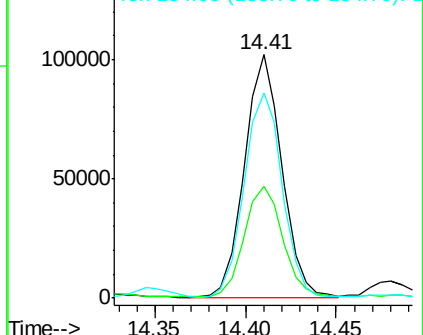
154 84.4 69.8 104.6

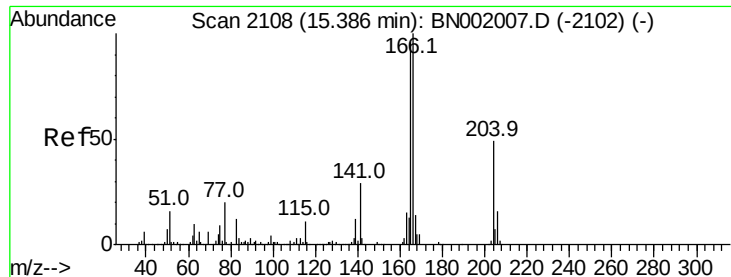


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

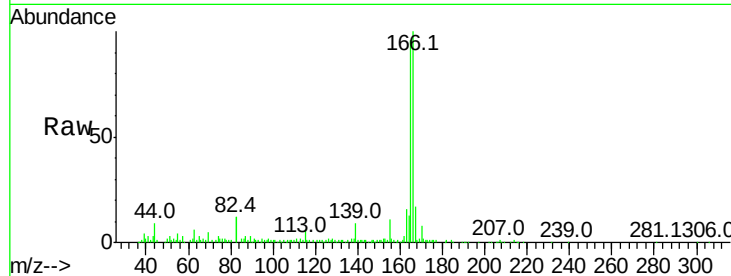




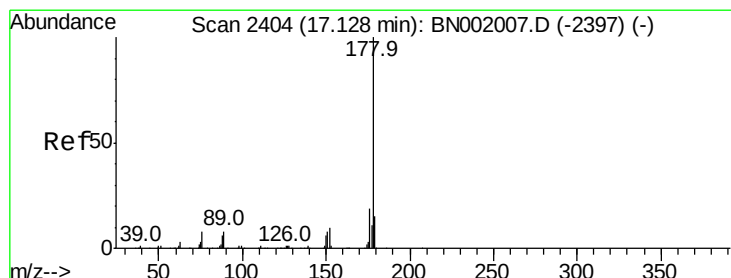
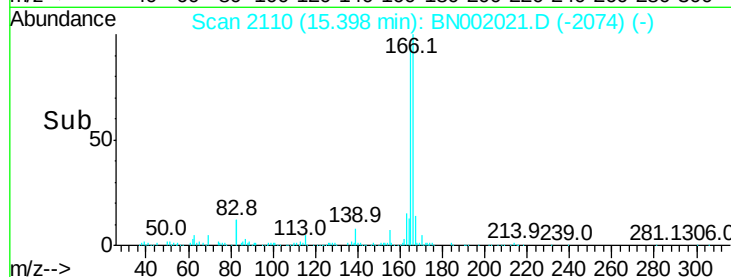
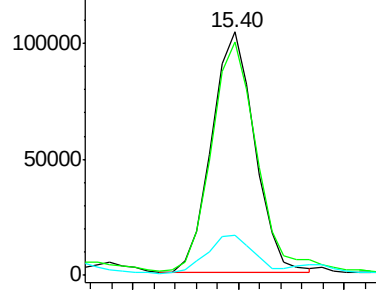
#58
 Fluorene
 Concen: 1.173 ng/ul
 RT: 15.40 min Scan# 2110
 Delta R.T. 0.01 min
 Lab File: BN002021.D
 Acq: 11 Jul 2018 21:18

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 147284
 Ion Ratio Lower Upper
 166 100
 165 95.9 78.4 117.6
 167 16.6 11.1 16.7

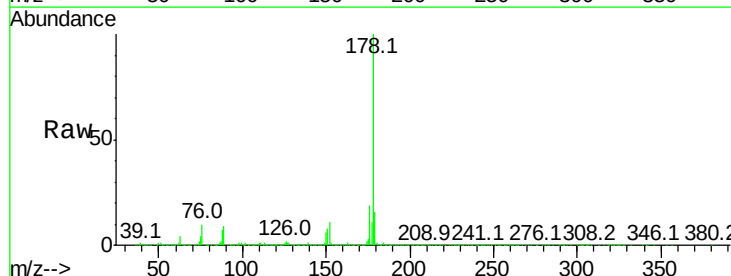


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

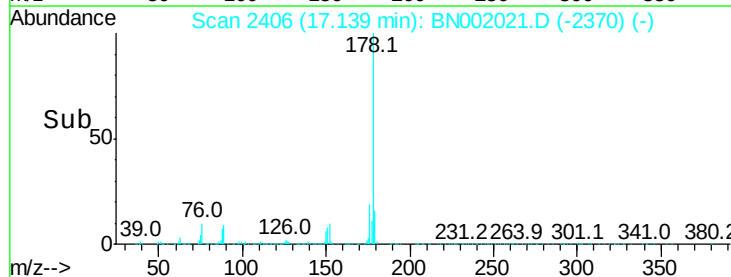
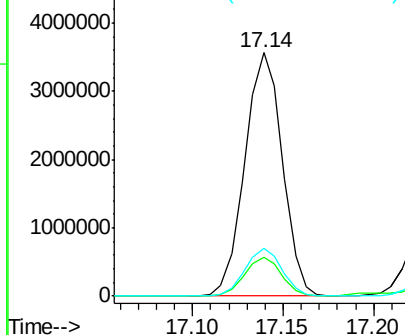


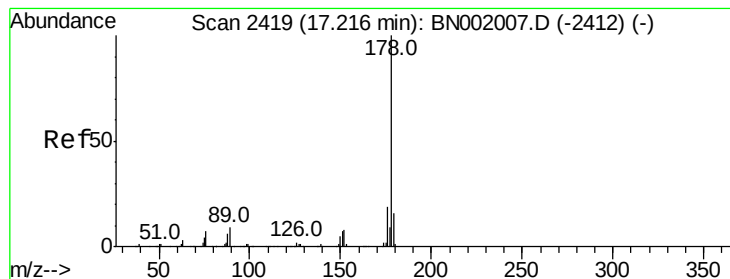
#69
 Phenanthrene
 Concen: 28.244 ng/ul
 RT: 17.14 min Scan# 2406
 Delta R.T. 0.01 min
 Lab File: BN002021.D
 Acq: 11 Jul 2018 21:18

Tgt Ion:178 Resp: 5119887
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 19.4 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





#71

Anthracene

Concen: 7.753 ng/ul

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

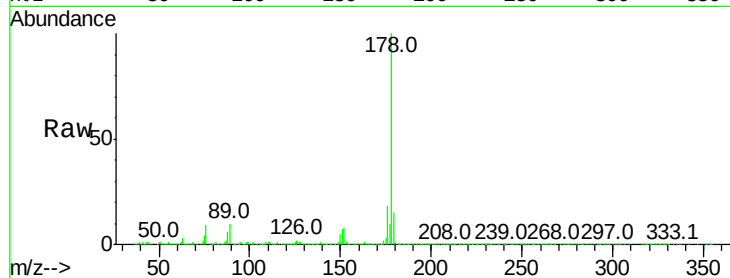
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 1422636

Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.4	20.2
176	18.4	15.4	23.0

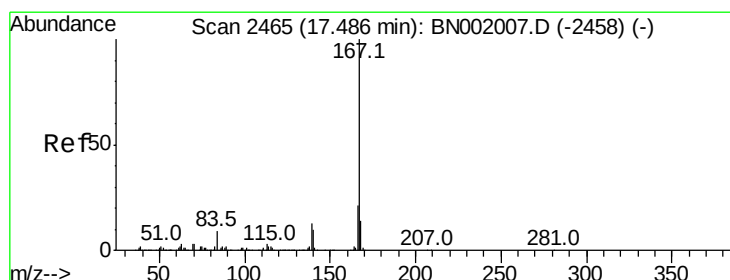
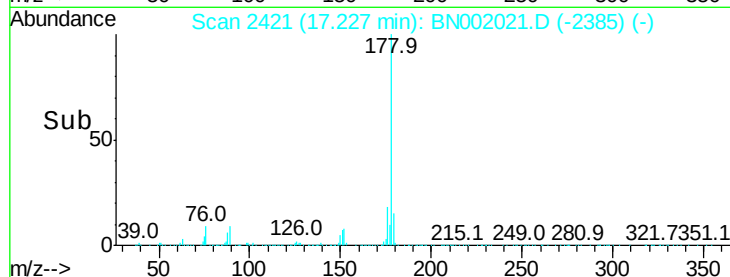
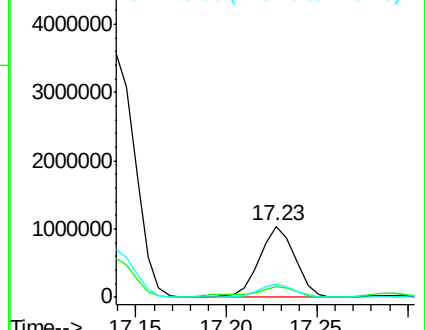


Abundance

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: 2.509 ng/ul

RT: 17.50 min Scan# 2467

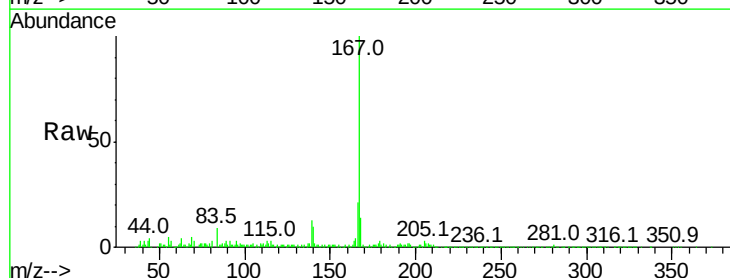
Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Tgt Ion:167 Resp: 385707

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.2	9.1	13.7

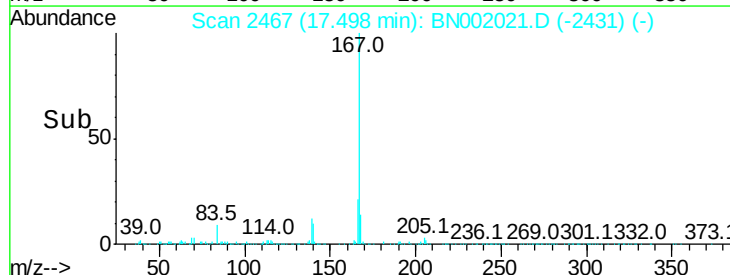
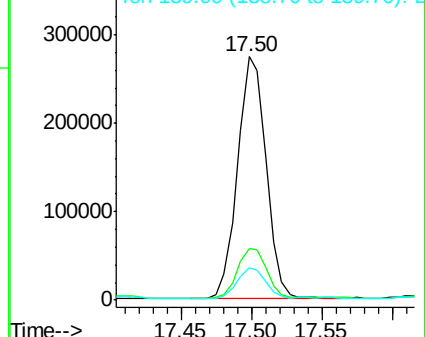


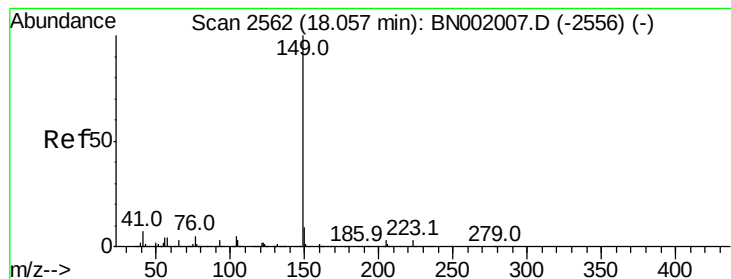
Abundance

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: 7.671 ng/ul

RT: 18.07 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Instrument :

BNA_N

ClientSampleId :

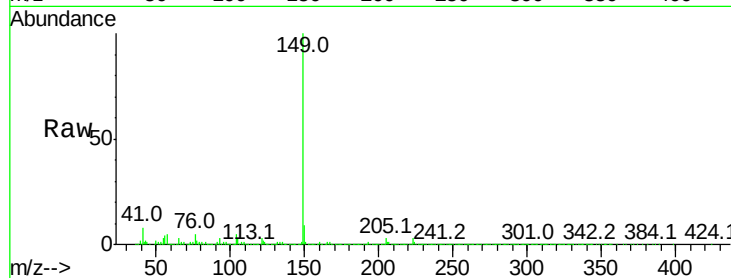
Tot Ion:149 Resp: 1488943

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

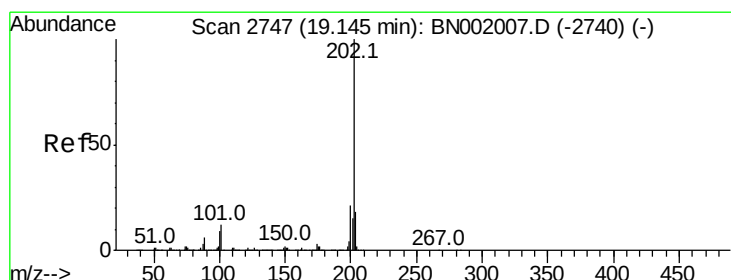
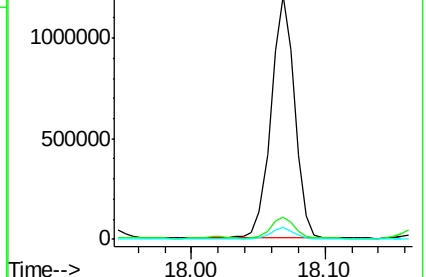
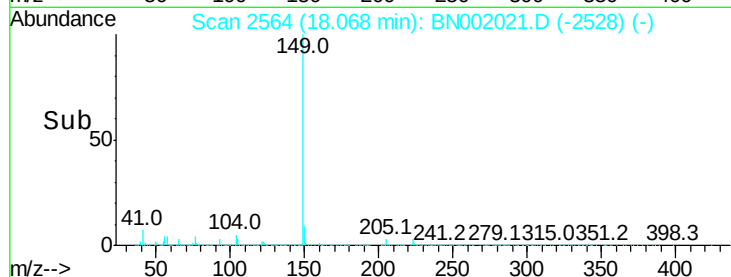
104 4.8 4.1 6.1



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: 45.757 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

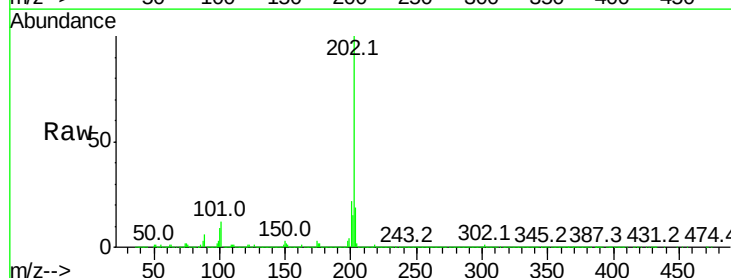
Tgt Ion:202 Resp: 8718795

Ion Ratio Lower Upper

202 100

101 12.5 6.1 9.1#

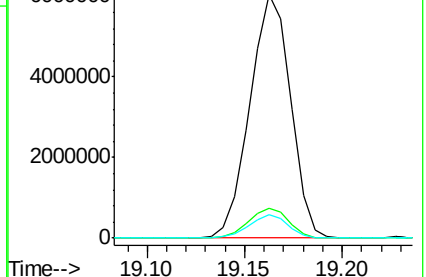
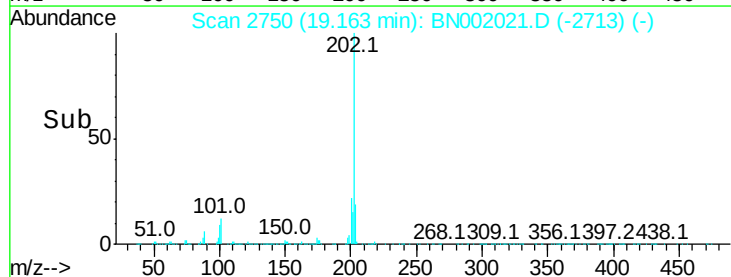
100 9.4 4.6 7.0#

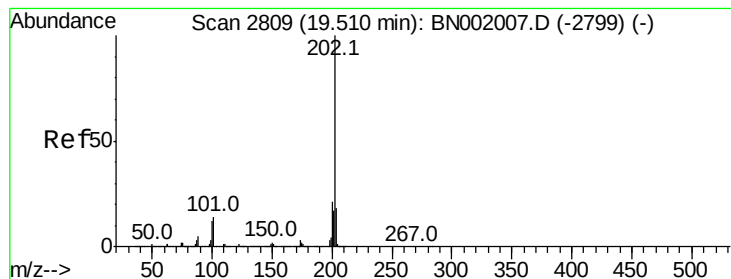


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 53.004 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Instrument :

BNA_N

ClientSampleId :

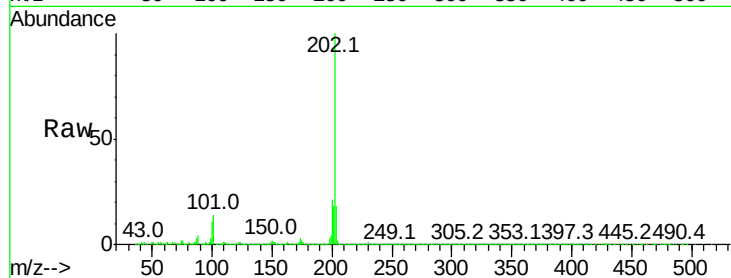
Tot Ion:202 Resp: 6722543

Ion Ratio Lower Upper

202 100

101 13.6 6.9 10.3#

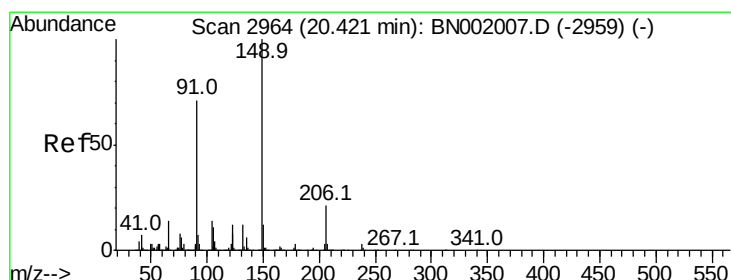
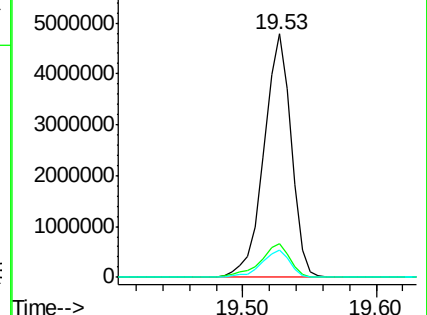
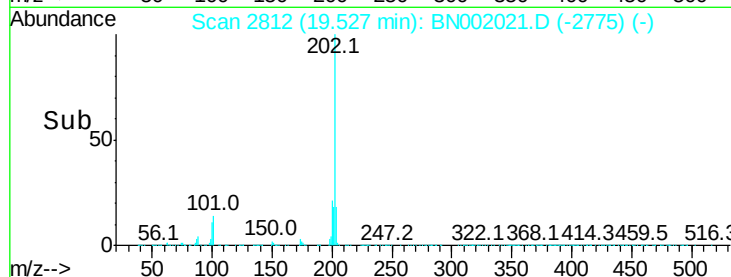
100 11.3 5.6 8.4#



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: 5.870 ng/ul

RT: 20.43 min Scan# 2966

Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

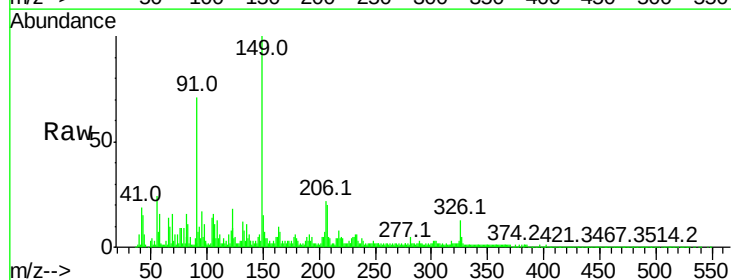
Tgt Ion:149 Resp: 317675

Ion Ratio Lower Upper

149 100

91 71.2 53.4 80.0

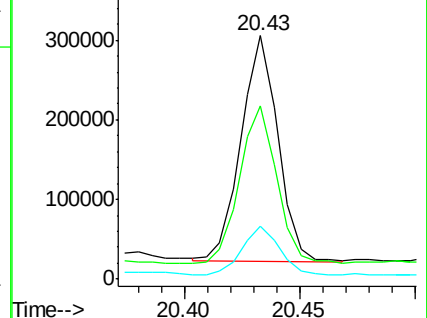
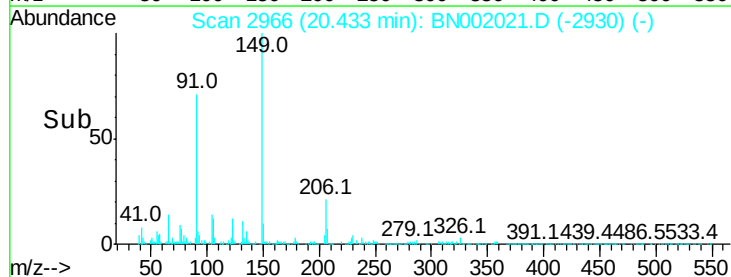
206 21.6 19.3 28.9

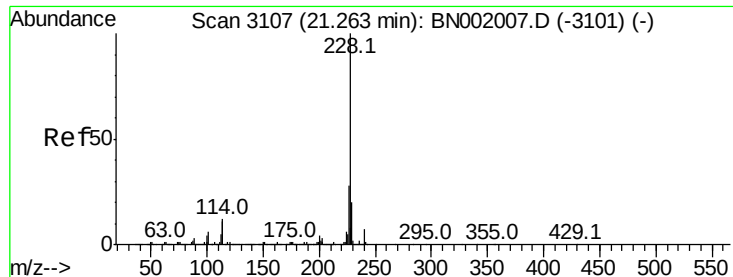


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 21.399 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.02 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

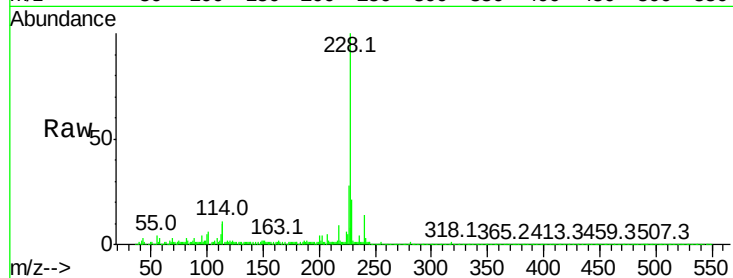
Instrument :

BNA_N

ClientSampled :

Tot Ion:228 Resp: 2740942

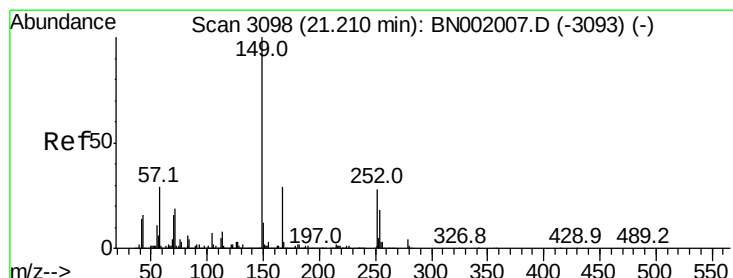
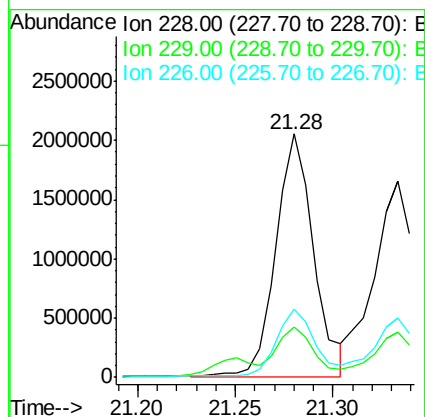
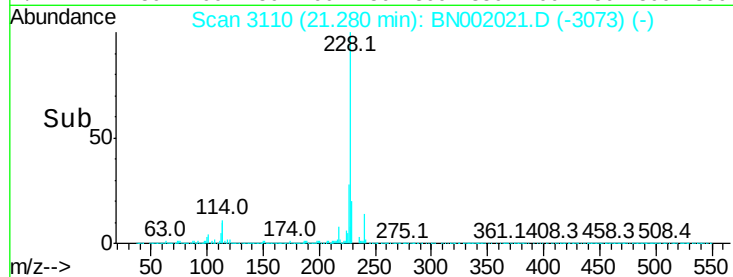
Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.0	24.0
226	28.0	21.8	32.8



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: 18.990 ng/ul

RT: 21.22 min Scan# 3099

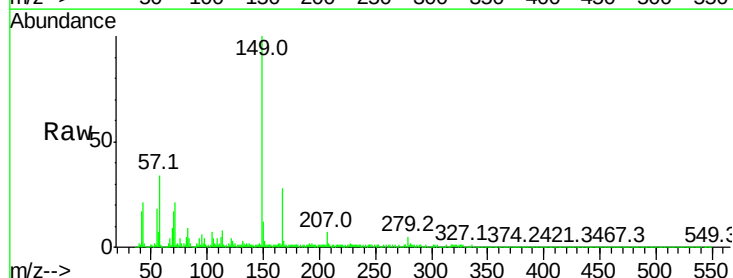
Delta R.T. 0.01 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Tgt Ion:149 Resp: 1532564

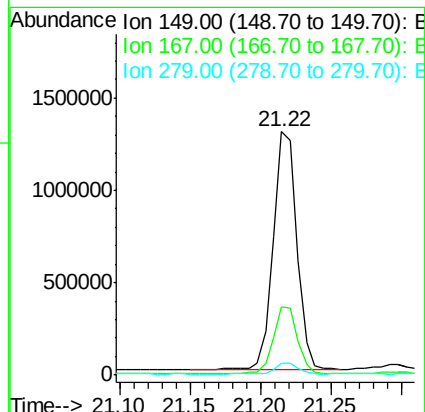
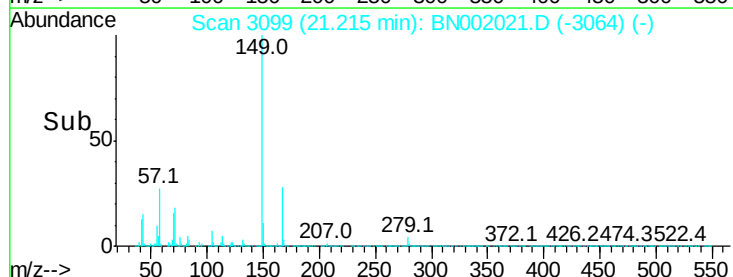
Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.0	34.6
279	4.6	4.3	6.5

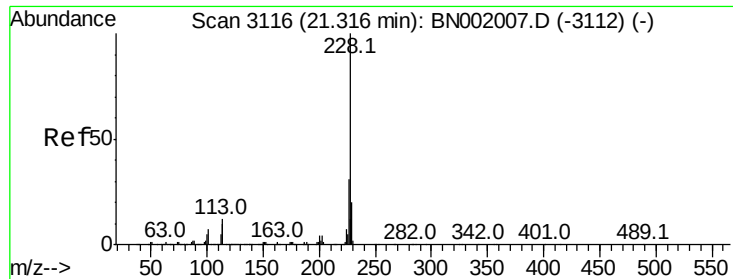


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 19.640 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.02 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

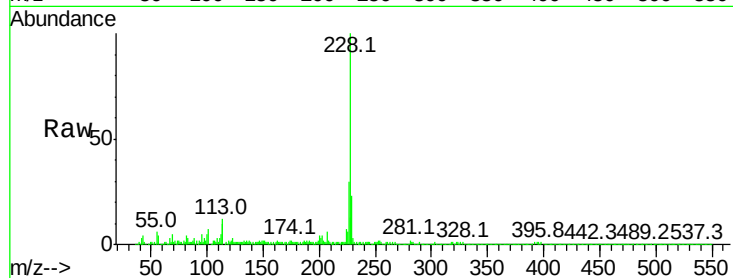
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 2340660

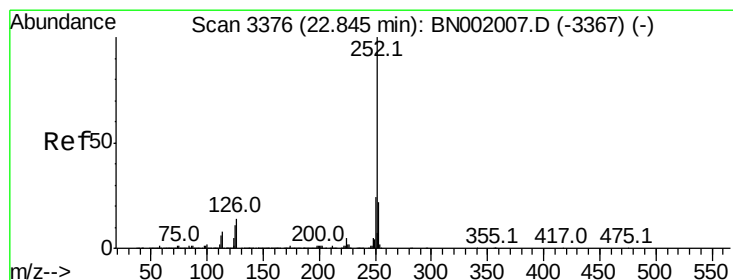
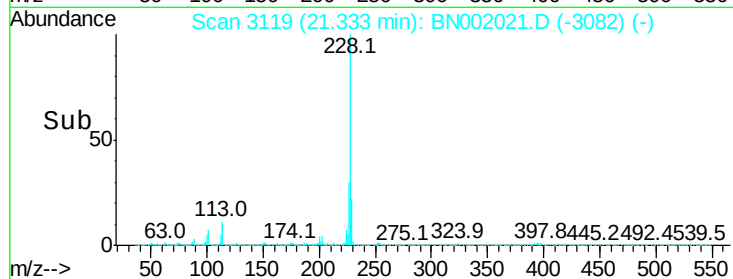
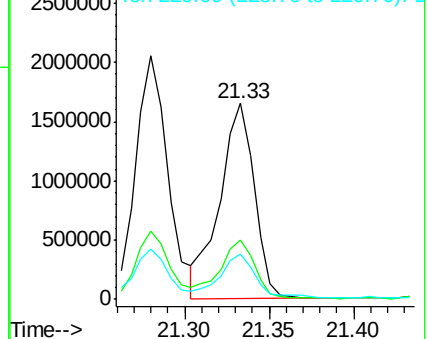
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	23.1	16.0	24.0



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: 19.837 ng/ul

RT: 22.87 min Scan# 3381

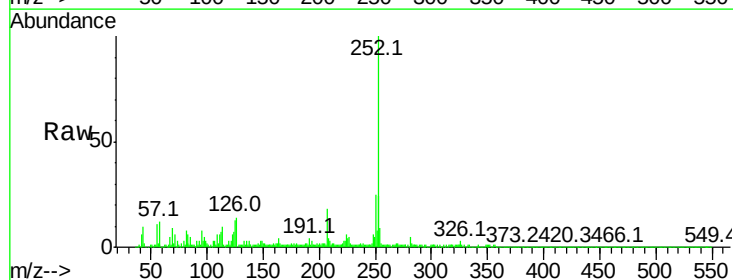
Delta R.T. 0.03 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Tgt Ion:252 Resp: 2570649

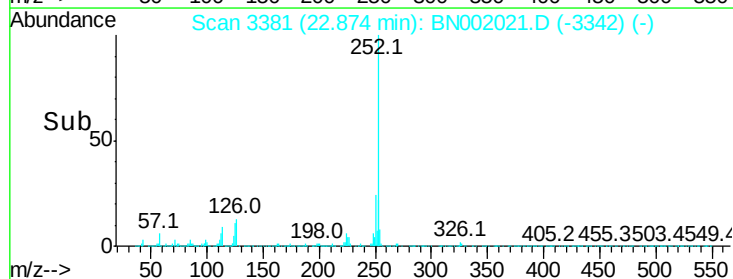
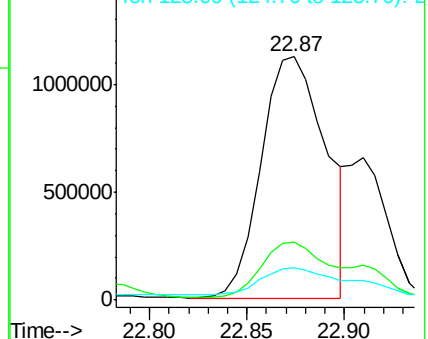
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	13.3	4.9	7.3

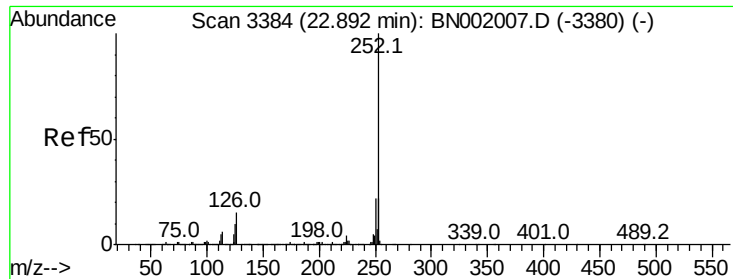


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

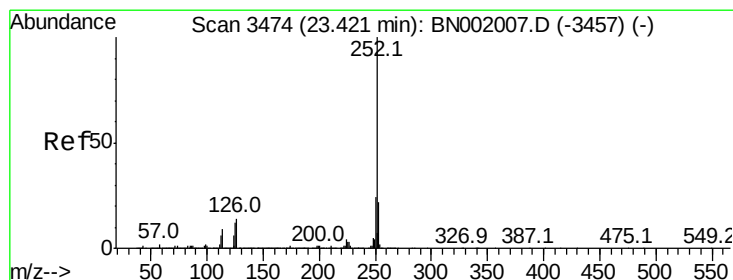
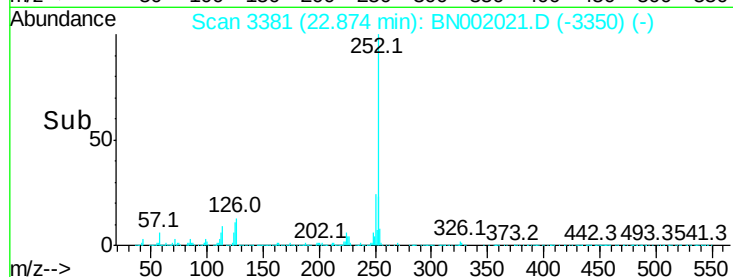
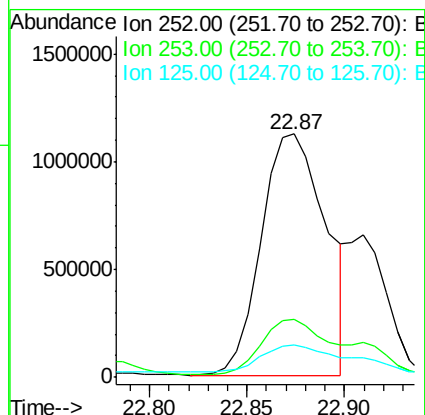
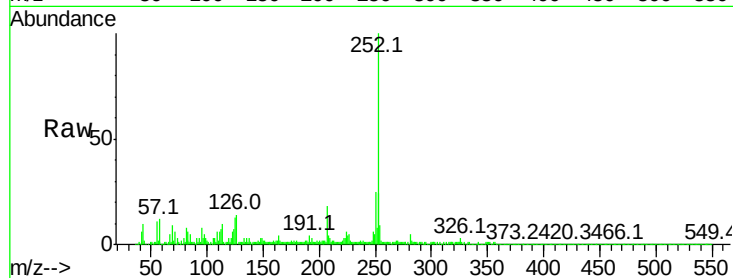




#86
Benzo(k)fluoranthene
Concen: 20.457 ng/ul
RT: 22.87 min Scan# 3381
Delta R.T. -0.02 min
Lab File: BN002021.D
Acq: 11 Jul 2018 21:18

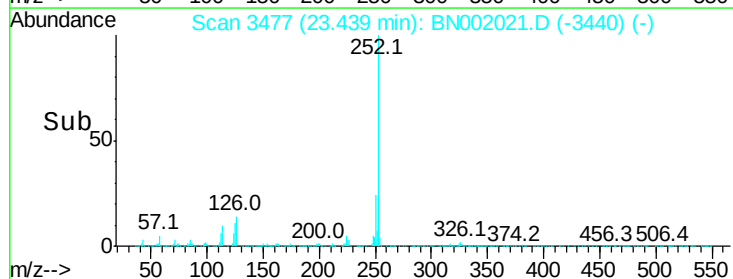
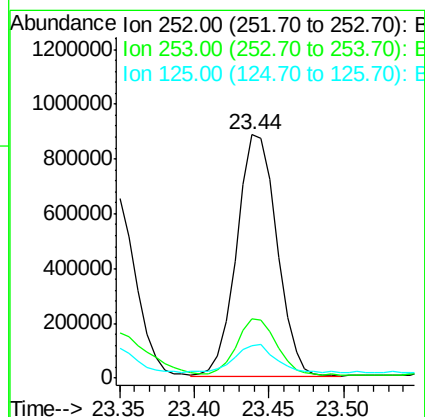
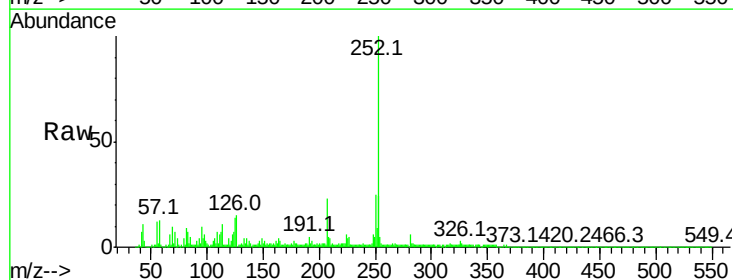
Instrument :
BNA_N
ClientSampled :

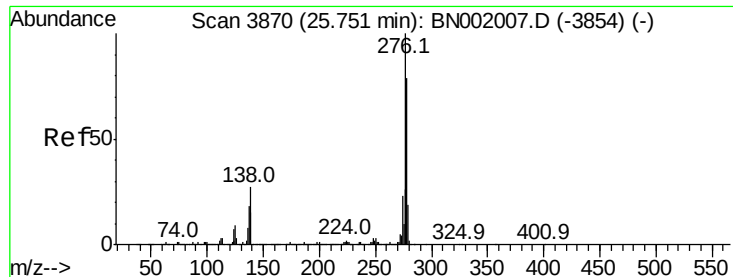
Tot Ion:252 Resp: 2570649
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 13.3 5.4 8.0#



#88
Benzo(a)pyrene
Concen: 13.549 ng/ul
RT: 23.44 min Scan# 3477
Delta R.T. 0.02 min
Lab File: BN002021.D
Acq: 11 Jul 2018 21:18

Tgt Ion:252 Resp: 1640680
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 13.6 5.8 8.6#



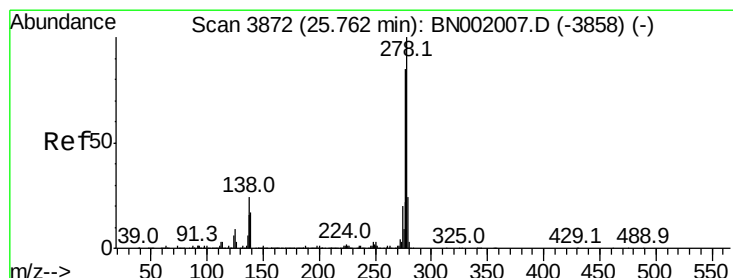
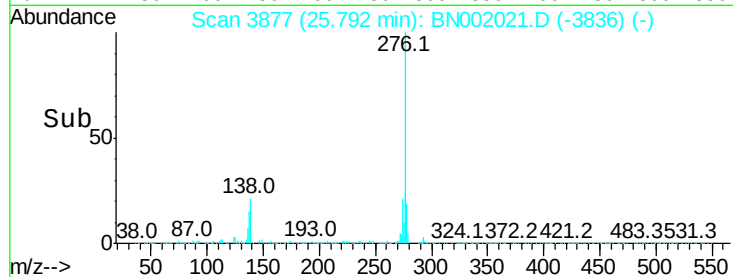
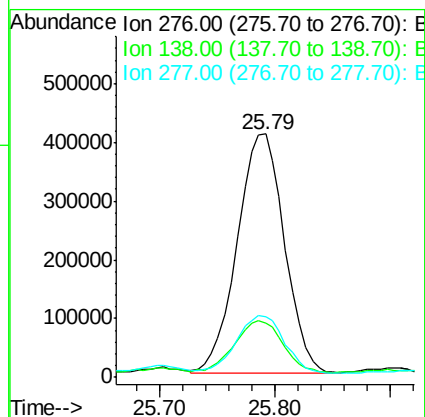
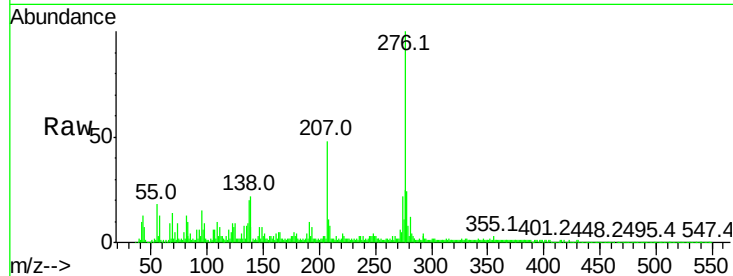


#89

Indeno(1,2,3-cd)pyrene
Concen: 8.940 ng/ul
RT: 25.79 min Scan# 3877
Delta R.T. 0.04 min
Lab File: BN002021.D
Acq: 11 Jul 2018 21:18

Instrument :
BNA_N
ClientSampleId :

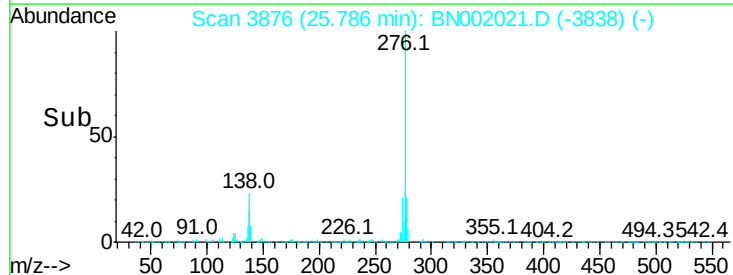
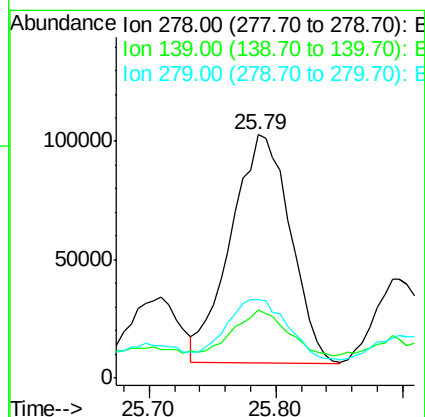
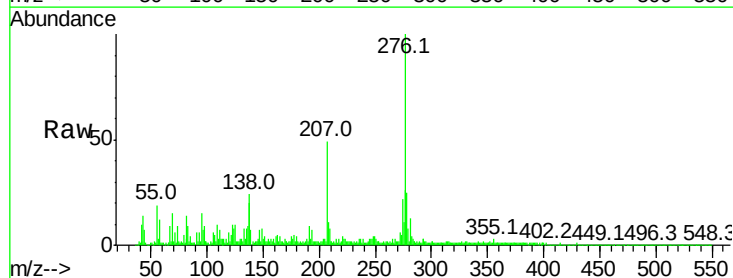
Tot Ion:276 Resp: 1151980
Ion Ratio Lower Upper
276 100
138 22.4 10.9 16.3#
277 25.0 18.9 28.3

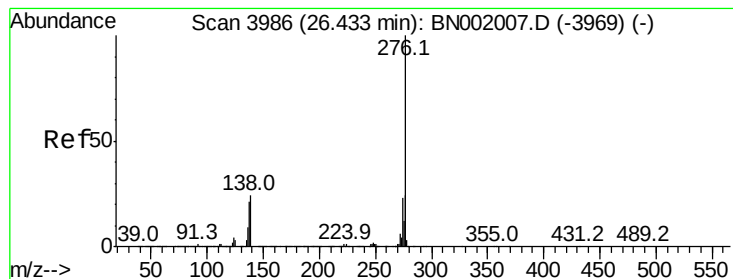


#90

Dibenzo(a,h)anthracene
Concen: 2.932 ng/ul
RT: 25.79 min Scan# 3876
Delta R.T. 0.02 min
Lab File: BN002021.D
Acq: 11 Jul 2018 21:18

Tgt Ion:278 Resp: 314376
Ion Ratio Lower Upper
278 100
139 28.0 9.0 13.4#
279 32.4 19.1 28.7#





#91

Benzo(a,h,i)perylene

Concen: 9.488 ng/ul

RT: 26.48 min Scan# 3994

Delta R.T. 0.05 min

Lab File: BN002021.D

Acq: 11 Jul 2018 21:18

Instrument :

BNA_N

ClientSampleId :

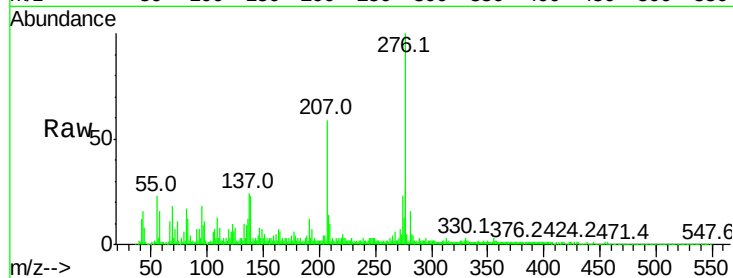
Tot Ion:276 Resp: 1008528

Ion Ratio Lower Upper

276 100

138 23.4 11.2 16.8#

277 26.1 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

