

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002020.D
 Acq On : 11 Jul 2018 20:43
 Operator : JU/SJ
 Sample : J3775-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 11 22:44:25 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	568746	20.00	ng/ul	0.01
18) Naphthalene-d8	10.49	136	2536725	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.35	164	1456475	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.09	188	3156980	20.00	ng/ul	0.01
75) Chrysene-d12	21.30	240	2273950	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	2095560	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	68432	5.23	ng/uL	0.00
5) Phenol-d5	6.90	99	1850719	35.96	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	1093665	34.43	ng/ul	0.01
9) 2-Chlorophenol-d4	7.26	132	1477346	36.21	ng/ul	0.02
13) 4-Methylphenol-d8	8.43	113	1440241	34.93	ng/ul	0.02
19) Nitrobenzene-d5	8.86	128	747866	39.70	ng/ul	0.01
22) 2-Nitrophenol-d4	9.58	143	846511	43.42	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.12	165	1507630	36.22	ng/ul	0.02
29) 4-Chloroaniline-d4	10.63	131	588991	13.67	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	4279700	34.80	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	5499982	36.22	ng/ul	0.01
51) 4-Nitrophenol-d4	14.57	143	730599	32.24	ng/ul	0.02
57) Fluorene-d10	15.35	176	3763940	34.91	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.47	200	388798	22.61	ng/ul	0.01
70) Anthracene-d10	17.20	188	5527394	36.24	ng/ul	0.02
76) Pyrene-d10	19.50	212	5217339	45.52	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.40	264	4080232	35.80	ng/ul	0.03

Target Compounds

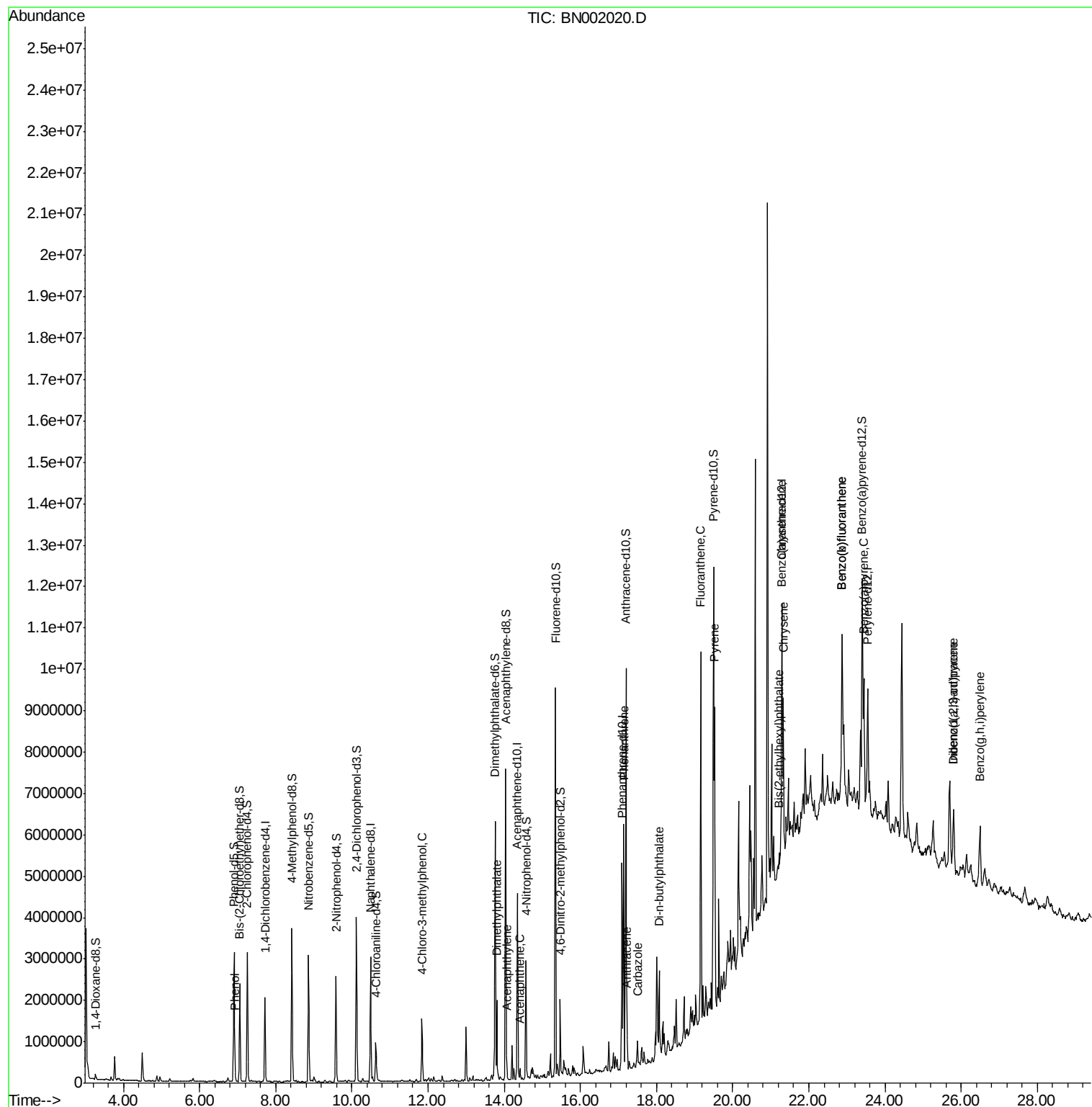
					Ovalue	
6) Phenol	6.93	94	108661	2.093	ng/ul	97
33) 4-Chloro-3-methylphenol	11.84	107	333721	7.487	ng/ul#	21
44) Dimethylphthalate	13.80	163	1149111	9.506	ng/ul	99
47) Acenaphthylene	14.07	152	225273	1.537	ng/ul	99
49) Acenaphthene	14.41	153	106913	1.052	ng/ul	99
69) Phenanthrene	17.14	178	3550209	19.963	ng/ul	100
71) Anthracene	17.23	178	534621	2.970	ng/ul	98
72) Carbazole	17.50	167	379250	2.515	ng/ul#	96
73) Di-n-butylphthalate	18.07	149	1452000	7.626	ng/ul	99
74) Fluoranthene	19.16	202	5422499	29.007	ng/ul#	88
77) Pyrene	19.53	202	4304030	30.246	ng/ul#	89
80) Benzo(a)anthracene	21.28	228	1624881	11.306	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.22	149	160121	1.768	ng/ul	99
82) Chrysene	21.33	228	2165681	16.196	ng/ul	98
85) Benzo(b)fluoranthene	22.87	252	2781665	21.017	ng/ul#	91
86) Benzo(k)fluoranthene	22.87	252	2781665	21.673	ng/ul#	91
88) Benzo(a)pyrene	23.44	252	1564467	12.649	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	25.80	276	1423033	10.813	ng/ul#	89
90) Dibenzo(a,h)anthracene	25.80	278	368113	3.361	ng/ul#	69
91) Benzo(g,h,i)perylene	26.49	276	1722051	15.862	ng/ul#	87

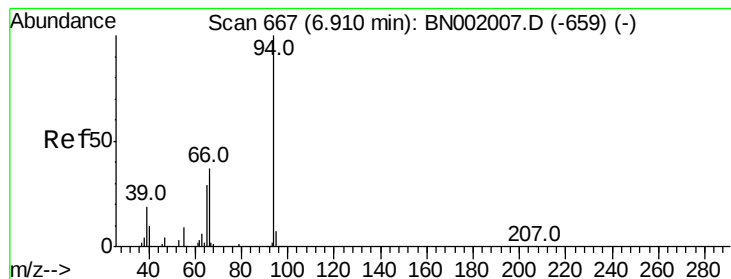
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.093 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. 0.02 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

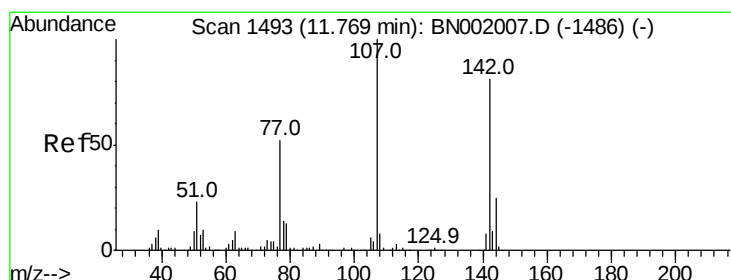
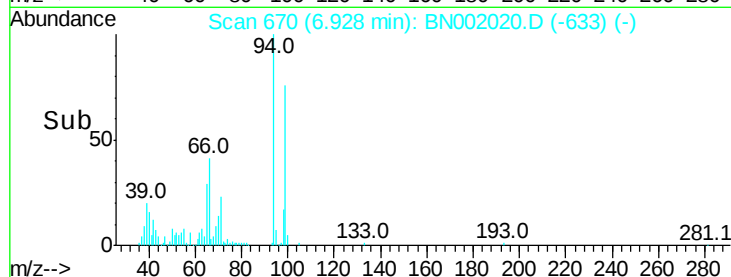
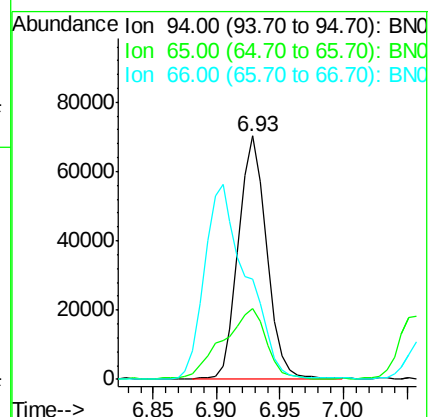
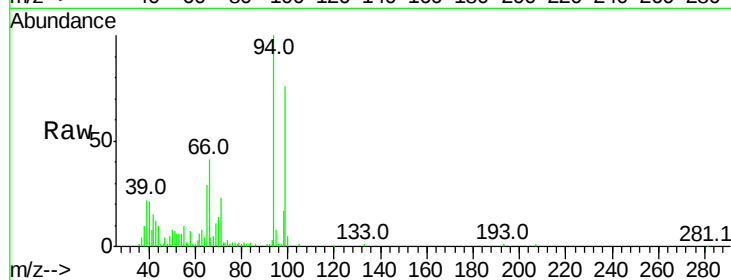
Tot Ion: 94 Resp: 108661

Ion Ratio Lower Upper

94 100

65 29.3 23.0 34.6

66 40.9 30.4 45.6



#33

4-Chloro-3-methylphenol

Concen: 7.487 ng/ul

RT: 11.84 min Scan# 1505

Delta R.T. 0.07 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

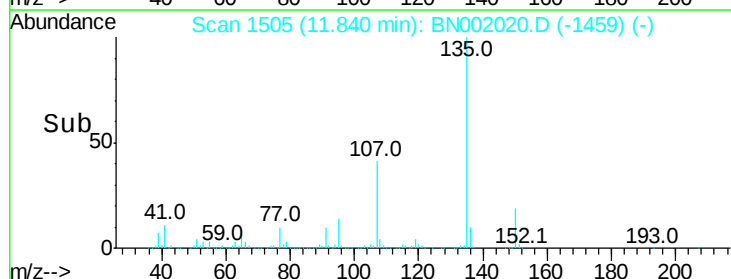
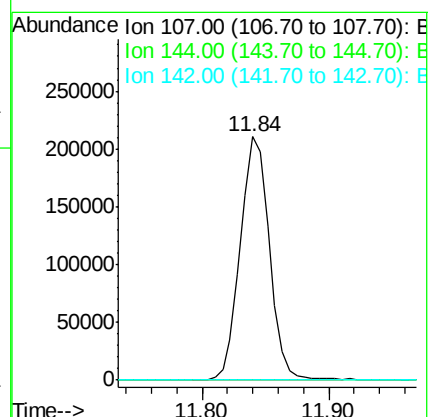
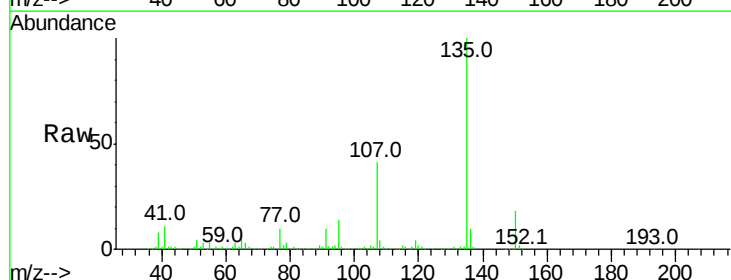
Tgt Ion: 107 Resp: 333721

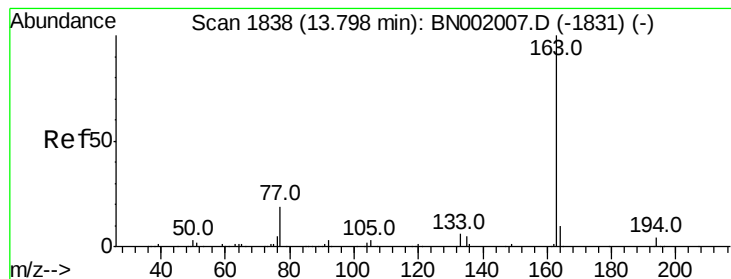
Ion Ratio Lower Upper

107 100

144 0.0 21.1 31.7#

142 0.0 60.1 90.1#





#44

Dimethylphthalate

Concen: 9.506 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

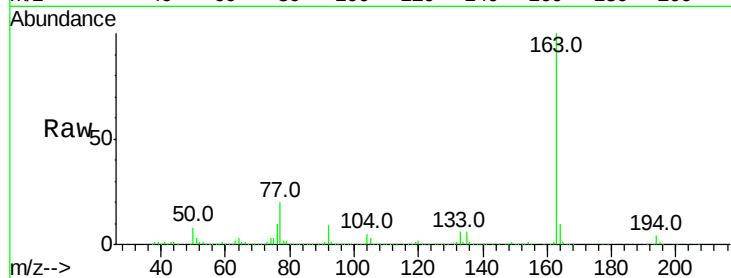
Tot Ion:163 Resp: 1149111

Ion Ratio Lower Upper

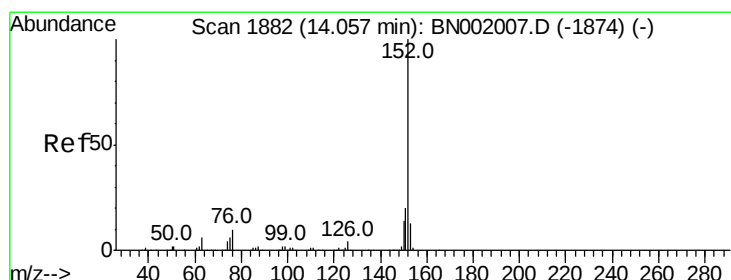
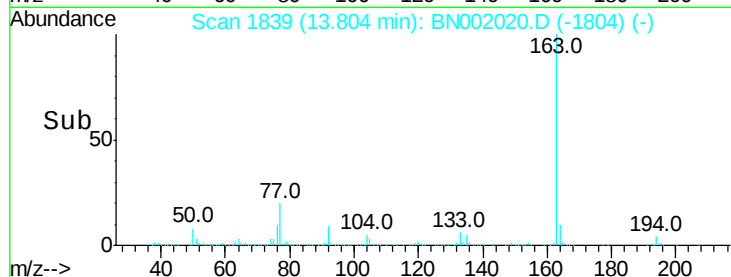
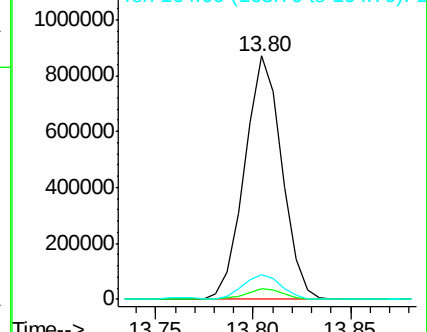
163 100

194 4.2 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



#47

Acenaphthylene

Concen: 1.537 ng/ul

RT: 14.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

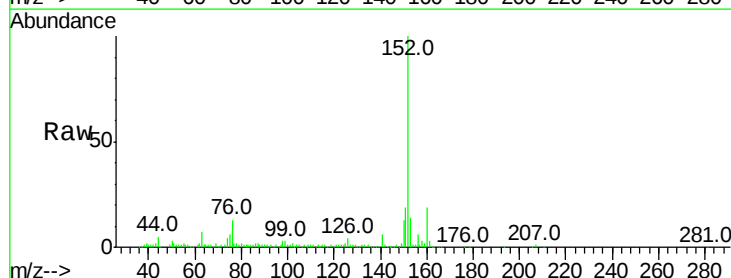
Tgt Ion:152 Resp: 225273

Ion Ratio Lower Upper

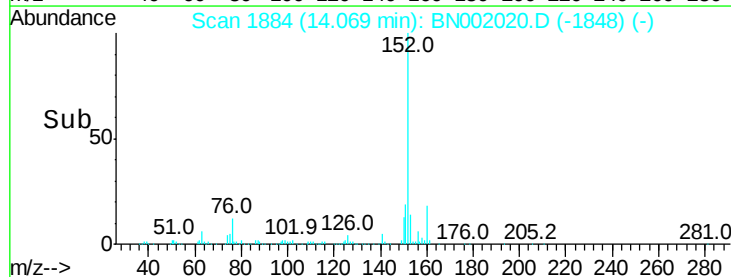
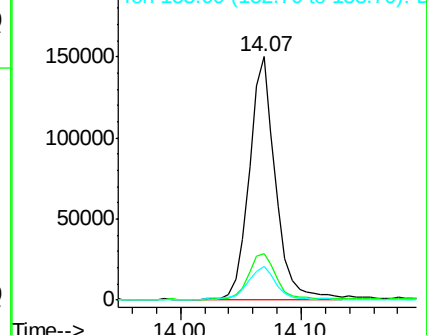
152 100

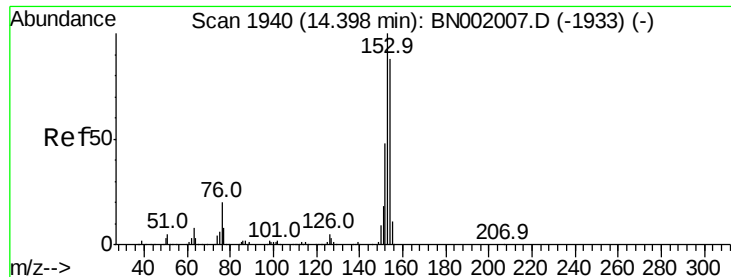
151 19.3 16.1 24.1

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





#49

Acenaphthene

Concen: 1.052 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

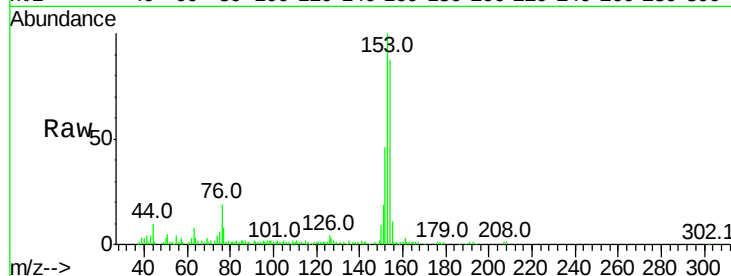
Tot Ion:153 Resp: 106913

Ion Ratio Lower Upper

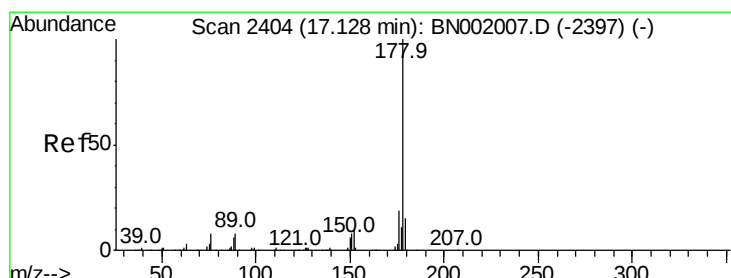
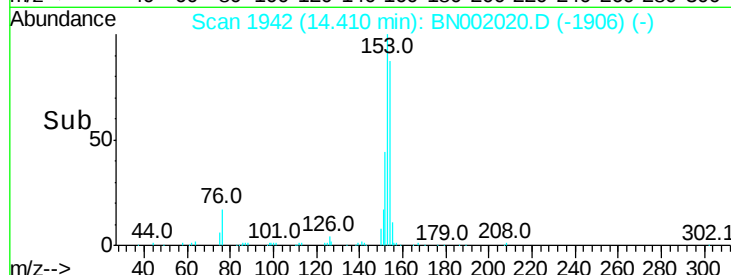
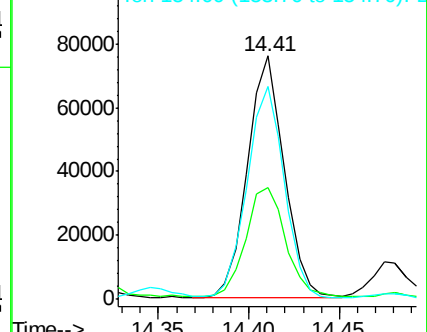
153 100

152 45.9 37.9 56.9

154 87.4 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



#69

Phenanthrene

Concen: 19.963 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

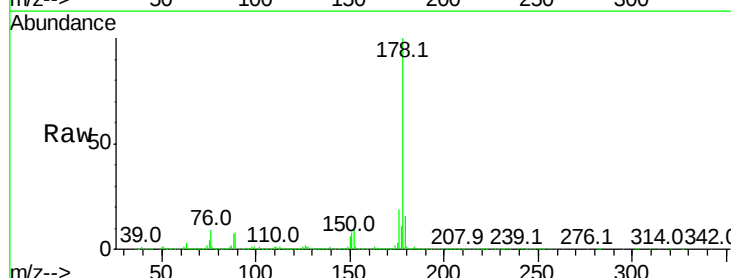
Tgt Ion:178 Resp: 3550209

Ion Ratio Lower Upper

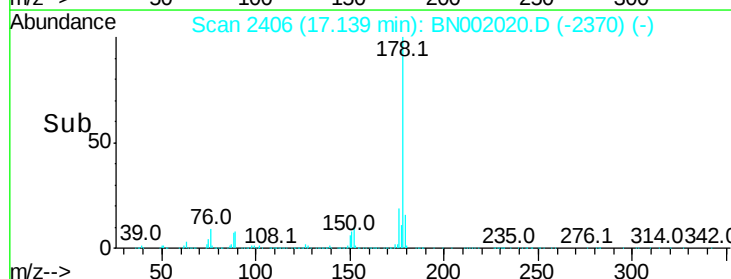
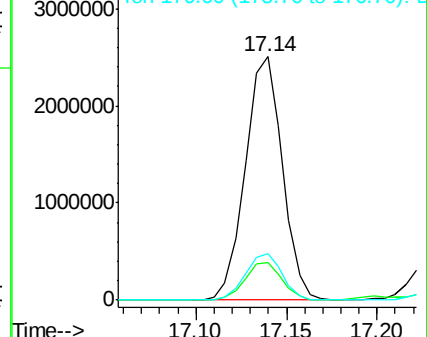
178 100

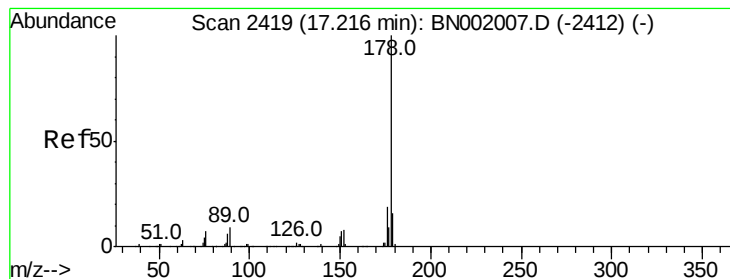
179 15.7 12.3 18.5

176 19.1 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

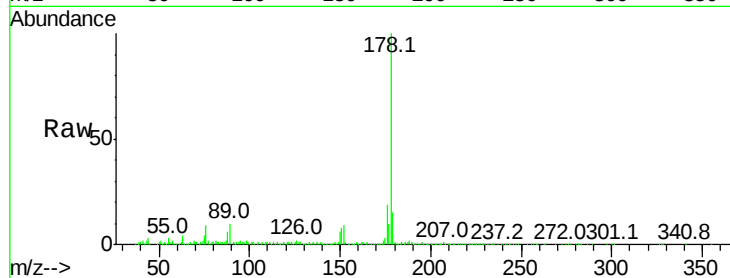




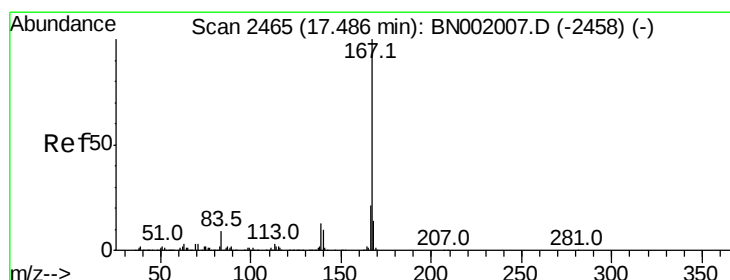
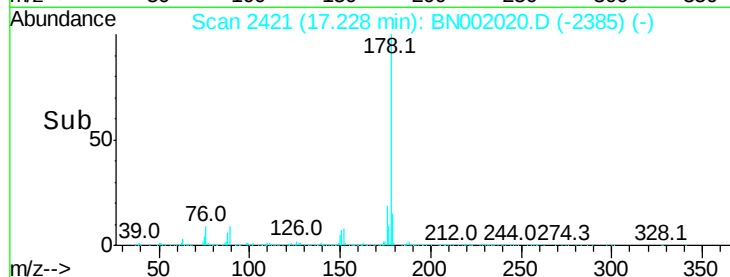
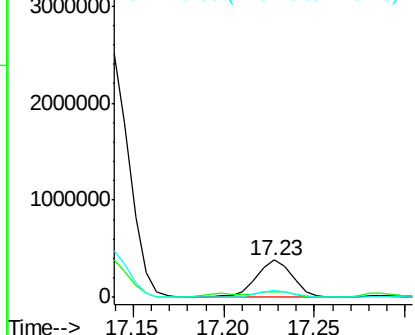
#71
 Anthracene
 Concen: 2.970 ng/ul
 RT: 17.23 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: BN002020.D
 Acq: 11 Jul 2018 20:43

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 534621
 Ion Ratio Lower Upper
 178 100
 179 15.4 13.4 20.2
 176 19.3 15.4 23.0

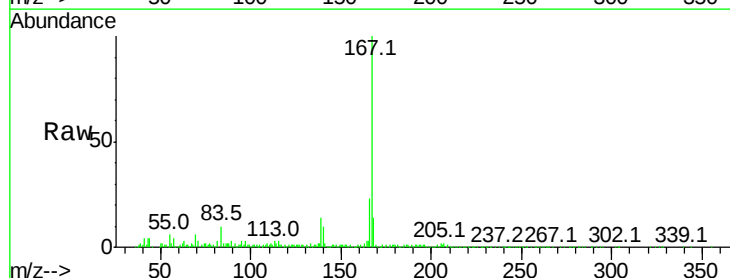


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

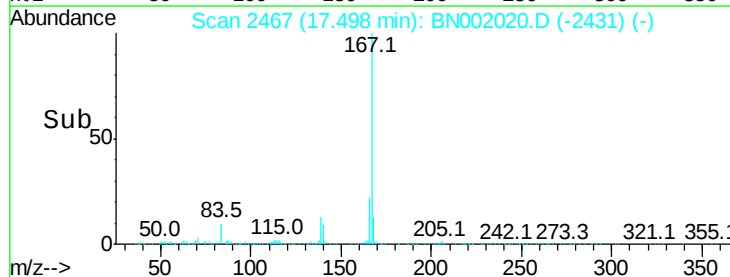
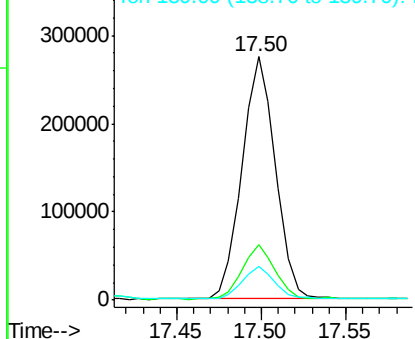


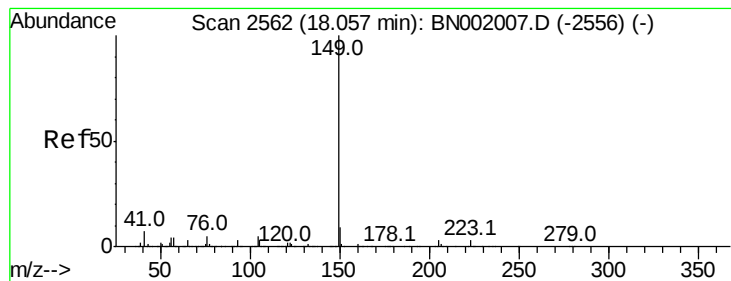
#72
 Carbazole
 Concen: 2.515 ng/ul
 RT: 17.50 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BN002020.D
 Acq: 11 Jul 2018 20:43

Tgt Ion:167 Resp: 379250
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.0 25.4
 139 13.8 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: 7.626 ng/ul

RT: 18.07 min Scan# 2564

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

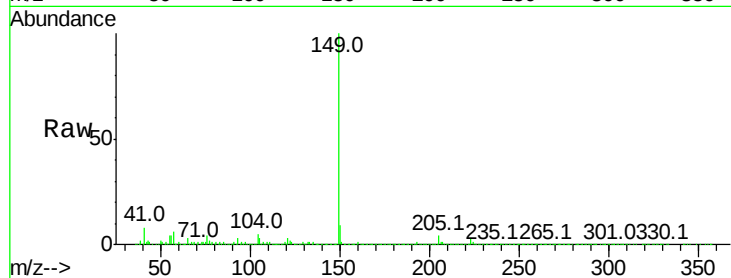
Tot Ion:149 Resp: 1452000

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

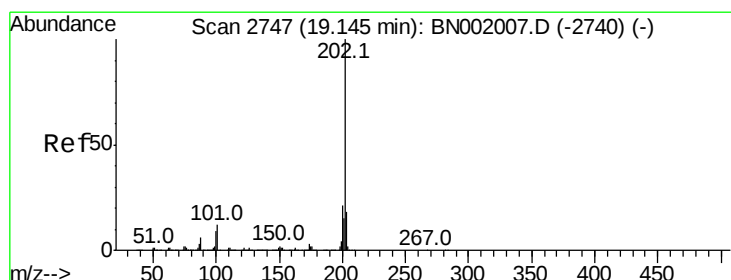
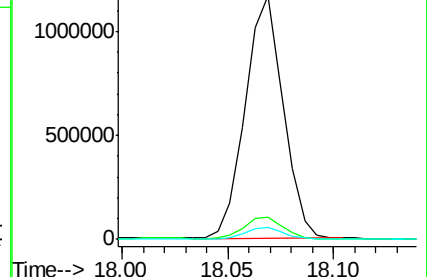
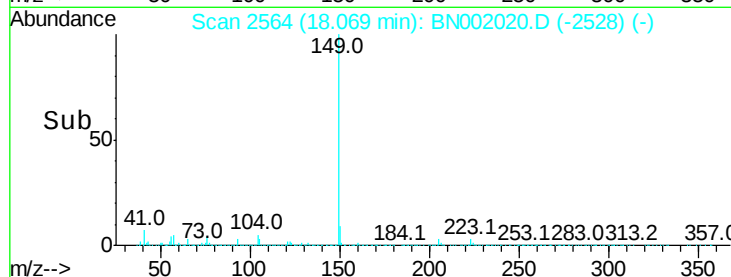
104 4.8 4.1 6.1



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: 29.007 ng/ul

RT: 19.16 min Scan# 2749

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

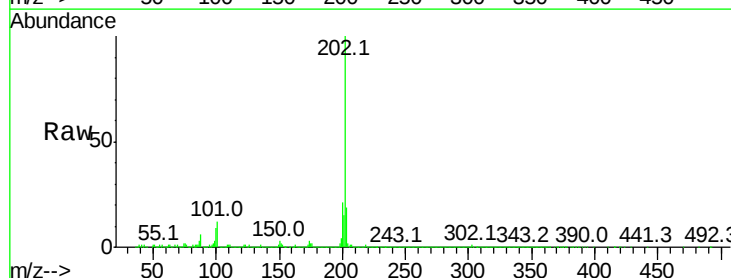
Tgt Ion:202 Resp: 5422499

Ion Ratio Lower Upper

202 100

101 12.2 6.1 9.1#

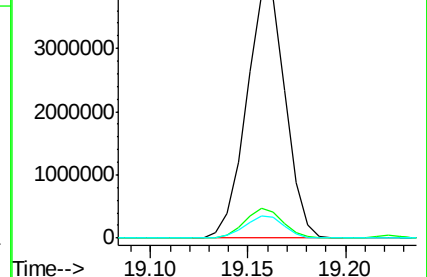
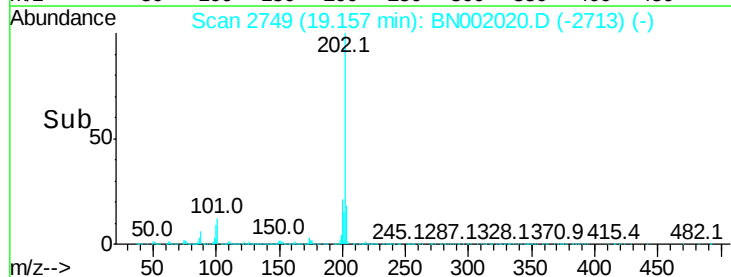
100 9.1 4.6 7.0#

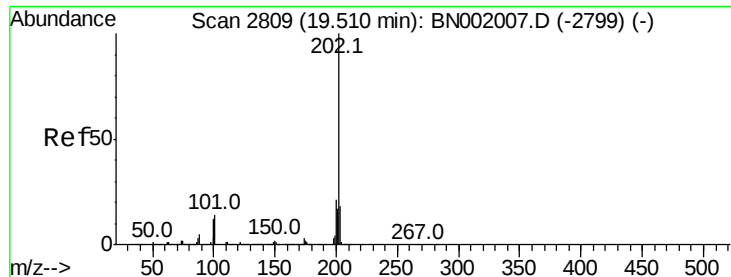


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 30.246 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

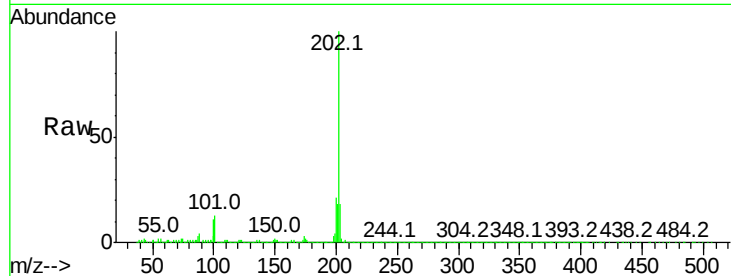
Tot Ion:202 Resp: 4304030

Ion Ratio Lower Upper

202 100

101 12.9 6.9 10.3#

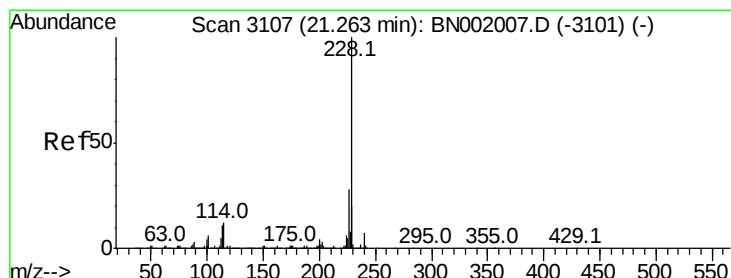
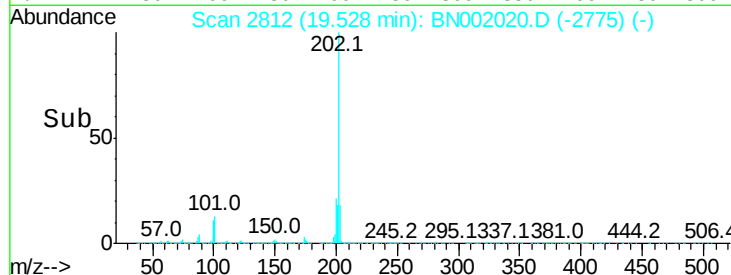
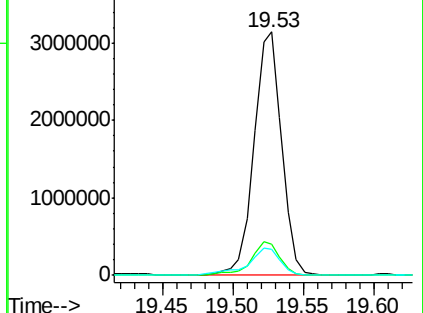
100 10.5 5.6 8.4#



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: 11.306 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.02 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

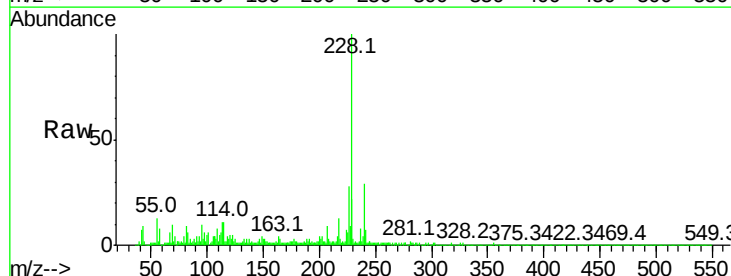
Tgt Ion:228 Resp: 1624881

Ion Ratio Lower Upper

228 100

229 22.2 16.0 24.0

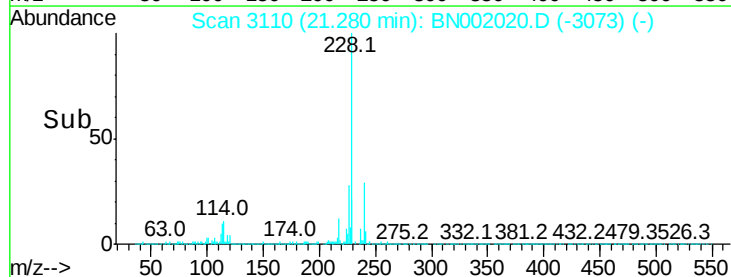
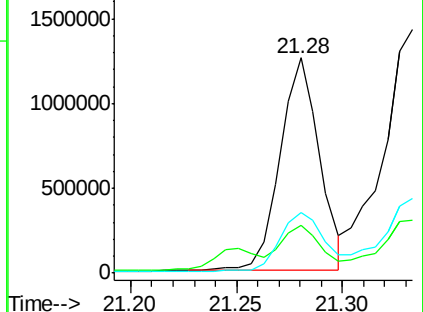
226 28.4 21.8 32.8

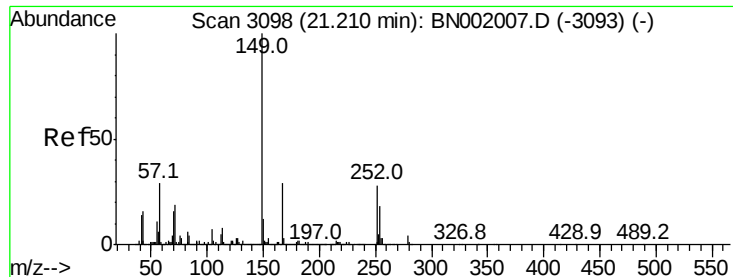


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.768 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

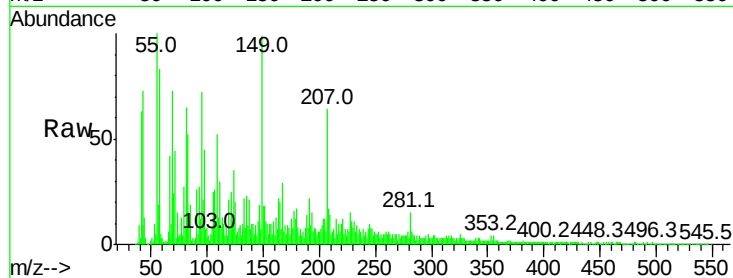
Tot Ion:149 Resp: 160121

Ion Ratio Lower Upper

149 100

167 29.0 23.0 34.6

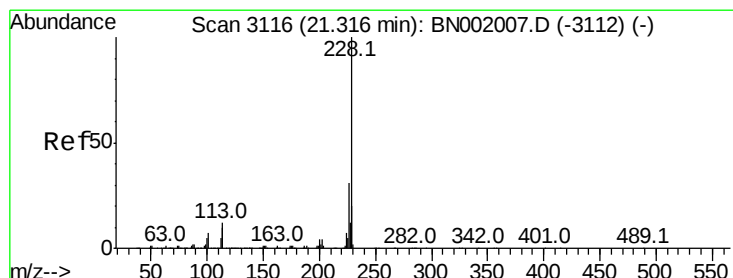
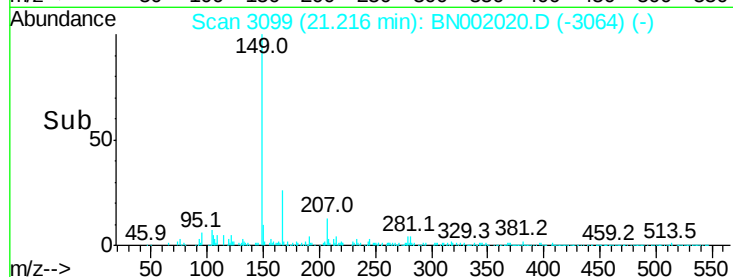
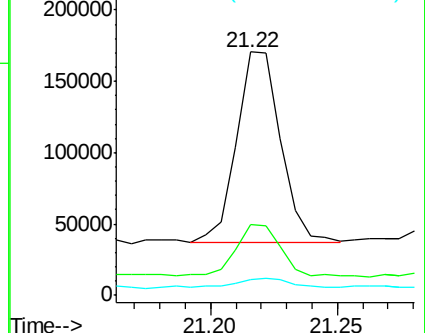
279 6.4 4.3 6.5



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: 16.196 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.02 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

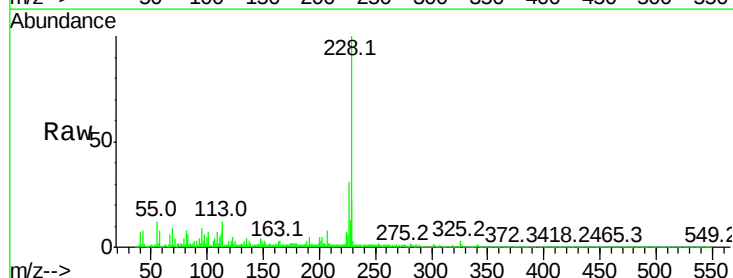
Tgt Ion:228 Resp: 2165681

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

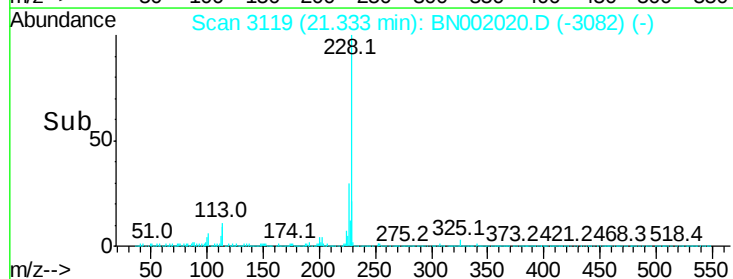
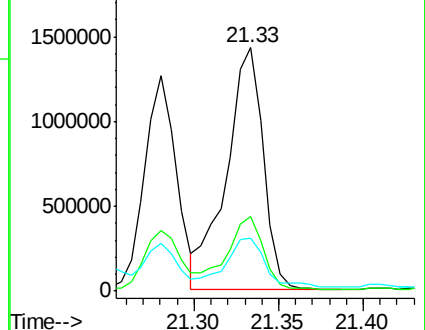
229 21.8 16.0 24.0

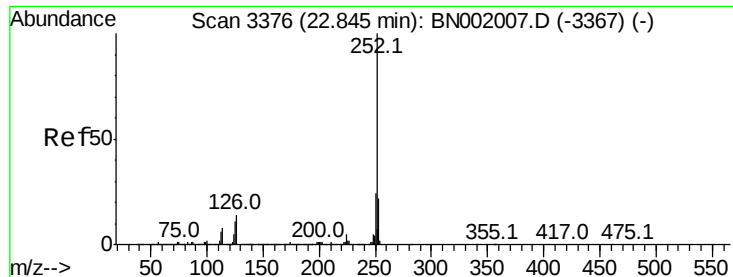


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 21.017 ng/ul

RT: 22.87 min Scan# 3381

Delta R.T. 0.03 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

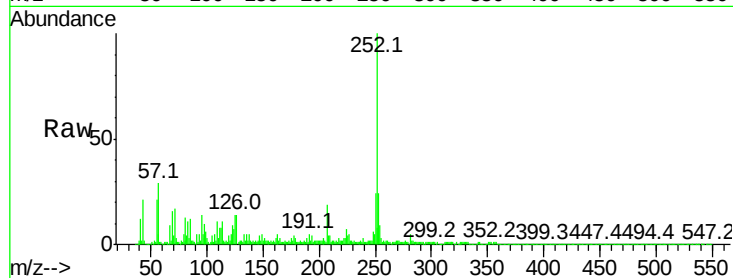
Tot Ion:252 Resp: 2781665

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

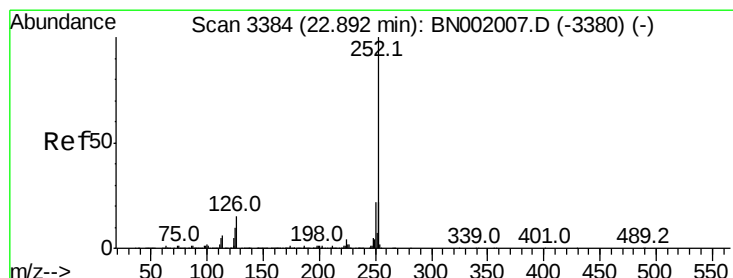
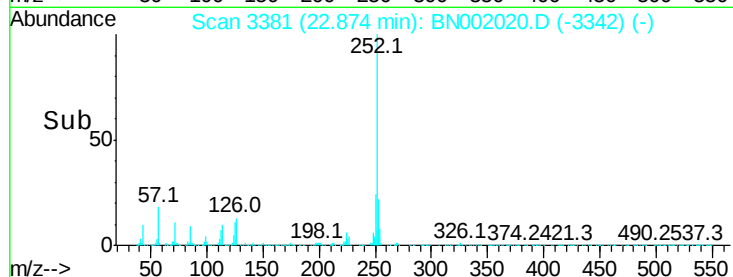
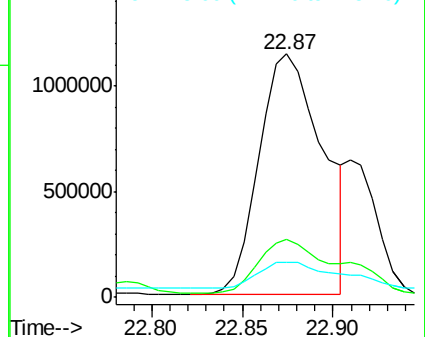
125 14.3 4.9 7.3#



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: 21.673 ng/ul

RT: 22.87 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

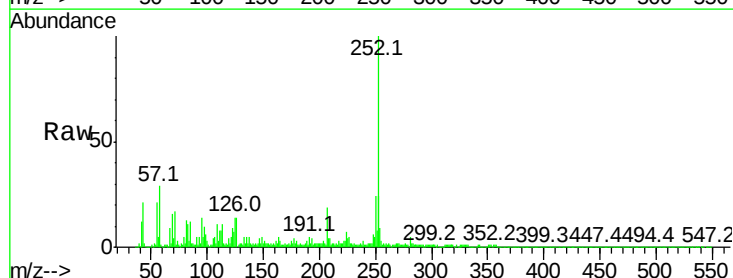
Tgt Ion:252 Resp: 2781665

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

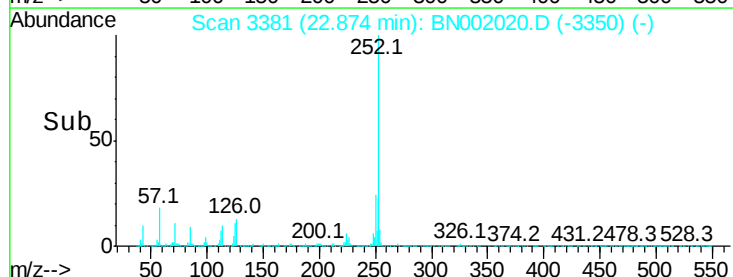
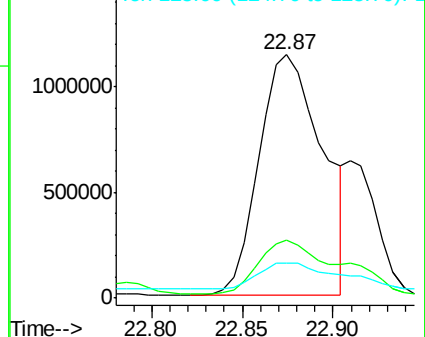
125 14.3 5.4 8.0#

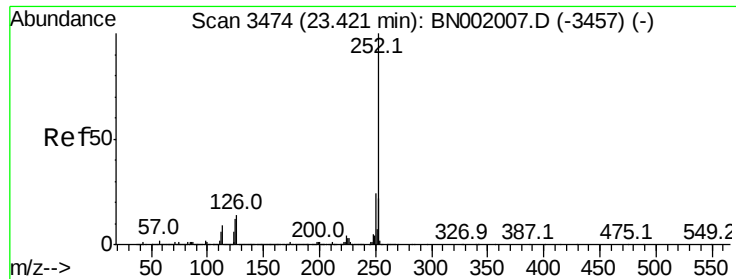


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 12.649 ng/ul

RT: 23.44 min Scan# 3478

Delta R.T. 0.02 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

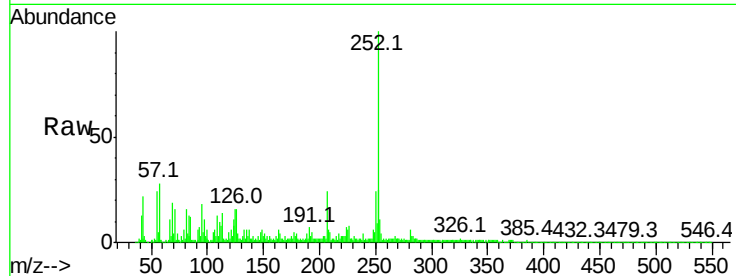
Tot Ion:252 Resp: 1564467

Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

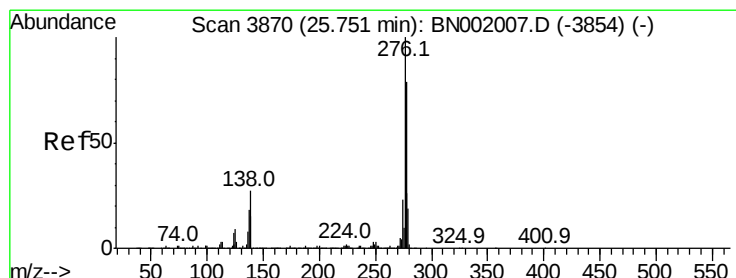
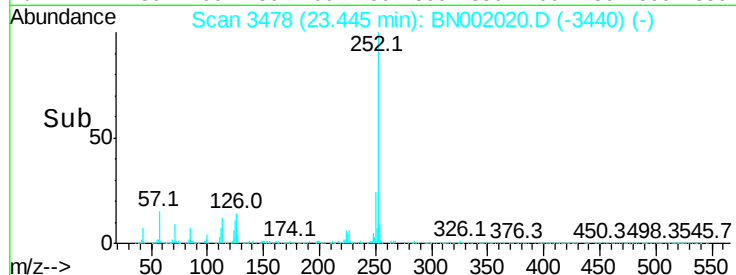
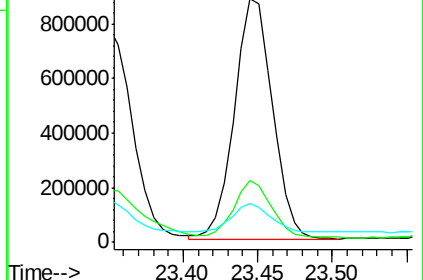
125 15.8 5.8 8.6#



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: 10.813 ng/ul

RT: 25.80 min Scan# 3878

Delta R.T. 0.05 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

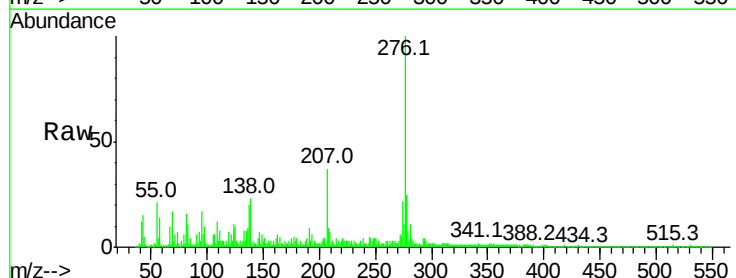
Tgt Ion:276 Resp: 1423033

Ion Ratio Lower Upper

276 100

138 23.4 10.9 16.3#

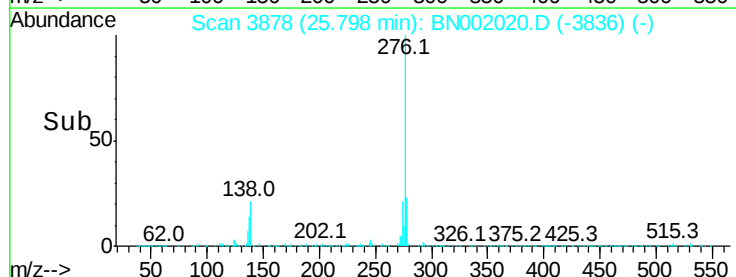
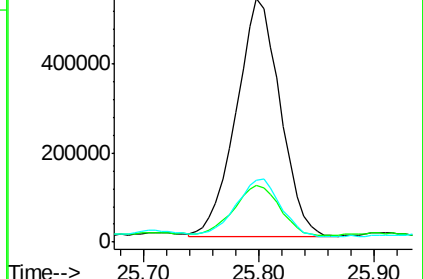
277 25.5 18.9 28.3

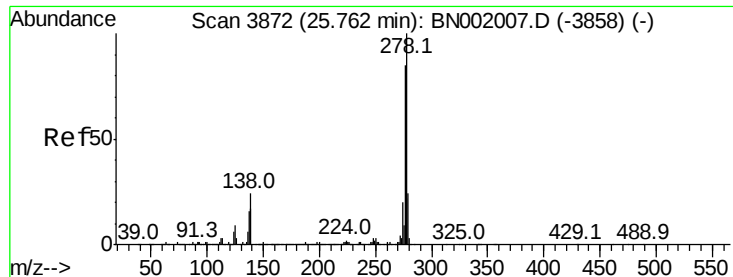


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.361 ng/ul

RT: 25.80 min Scan# 3878

Delta R.T. 0.04 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

Instrument :

BNA_N

ClientSampleId :

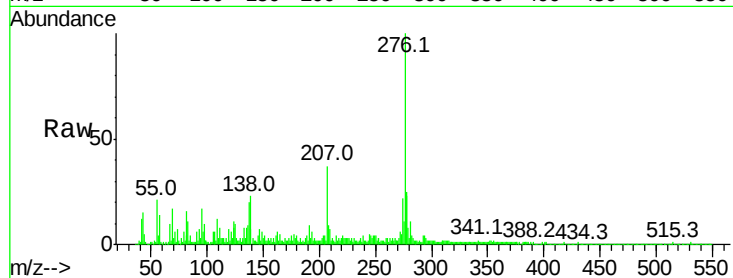
Tot Ion:278 Resp: 368113

Ion Ratio Lower Upper

278 100

139 29.7 9.0 13.4#

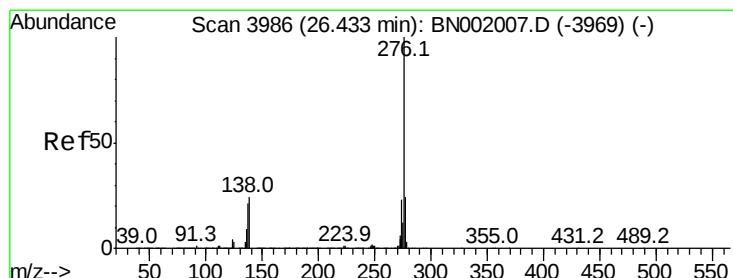
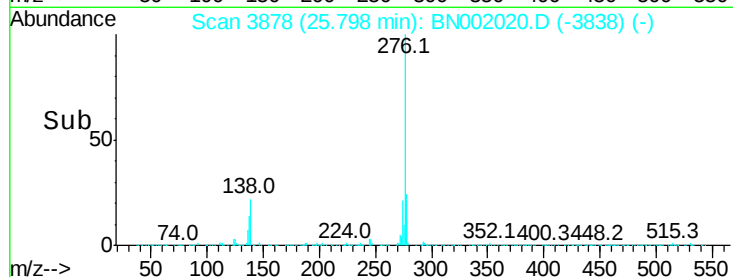
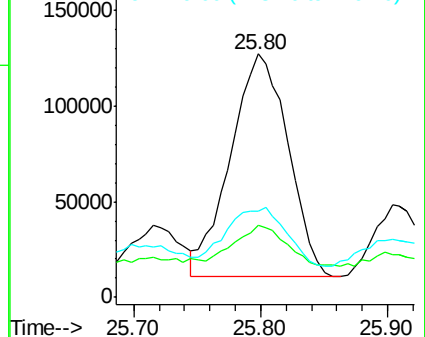
279 35.2 19.1 28.7#



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: 15.862 ng/ul

RT: 26.49 min Scan# 3996

Delta R.T. 0.06 min

Lab File: BN002020.D

Acq: 11 Jul 2018 20:43

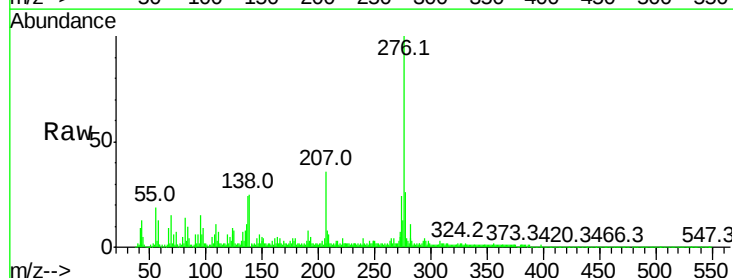
Tgt Ion:276 Resp: 1722051

Ion Ratio Lower Upper

276 100

138 24.7 11.2 16.8#

277 26.2 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

