

Data File : BN005988.D
Acq On : 31 May 2019 20:02
Operator : JU/SJ
Sample : K2923-19RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A42D7

Quant Time: Jun 01 01:53:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	502765	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	2134507	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	1103015	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1908807	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1193307	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1415943	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	35934	3.14	ng/uL	0.01
5) Phenol-d5	6.92	99	852090	19.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	469375	18.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	684188	20.16	ng/ul	0.01
13) 4-Methylphenol-d8	8.45	113	663090	18.43	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	331667	24.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	353689	27.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	661223	21.95	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	301155	7.62	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	1827368	22.47	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2275120	22.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	247955	16.76	ng/ul	0.00
57) Fluorene-d10	15.40	176	1471614	21.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	60501	7.78	ng/ul	0.00
70) Anthracene-d10	17.26	188	1852808	22.81	ng/ul	0.00
78) Pyrene-d10	19.57	212	1549771	25.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	1427555	22.59	ng/ul	0.01

Target Compounds

					Qvalue	
28) Naphthalene	10.59	128	245750	2.426	ng/ul	99
44) Dimethylphthalate	13.86	163	662811	8.155	ng/ul	100
47) Acenaphthylene	14.12	152	188160	1.886	ng/ul	98
49) Acenaphthene	14.47	153	495335	7.310	ng/ul	98
53) Dibenzofuran	14.81	168	339202	3.546	ng/ul	98
58) Fluorene	15.46	166	495460	6.595	ng/ul	97
69) Phenanthrene	17.21	178	5246191	55.472	ng/ul	99
71) Anthracene	17.29	178	1538803	16.026	ng/ul	100
74) Carbazole	17.56	167	721065	8.336	ng/ul	99
76) Fluoranthene	19.24	202	5531759	54.791	ng/ul	96
79) Pyrene	19.60	202	4539058	60.047	ng/ul	97
82) Benzo(a)anthracene	21.36	228	2272451	30.294	ng/ul	96
84) Chrysene	21.36	228	2269668	32.441	ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	3011215	37.863	ng/ul#	96
88) Benzo(k)fluoranthene	22.99	252	3011215	41.180	ng/ul#	94
90) Benzo(a)pyrene	23.58	252	2075409	27.673	ng/ul#	95
91) Indeno(1,2,3-cd)pyrene	26.01	276	1599169	18.172	ng/ul	97
92) Dibenzo(a,h)anthracene	26.01	278	441646	6.028	ng/ul#	80
93) Benzo(g,h,i)perylene	26.73	276	1267109	17.096	ng/ul	94

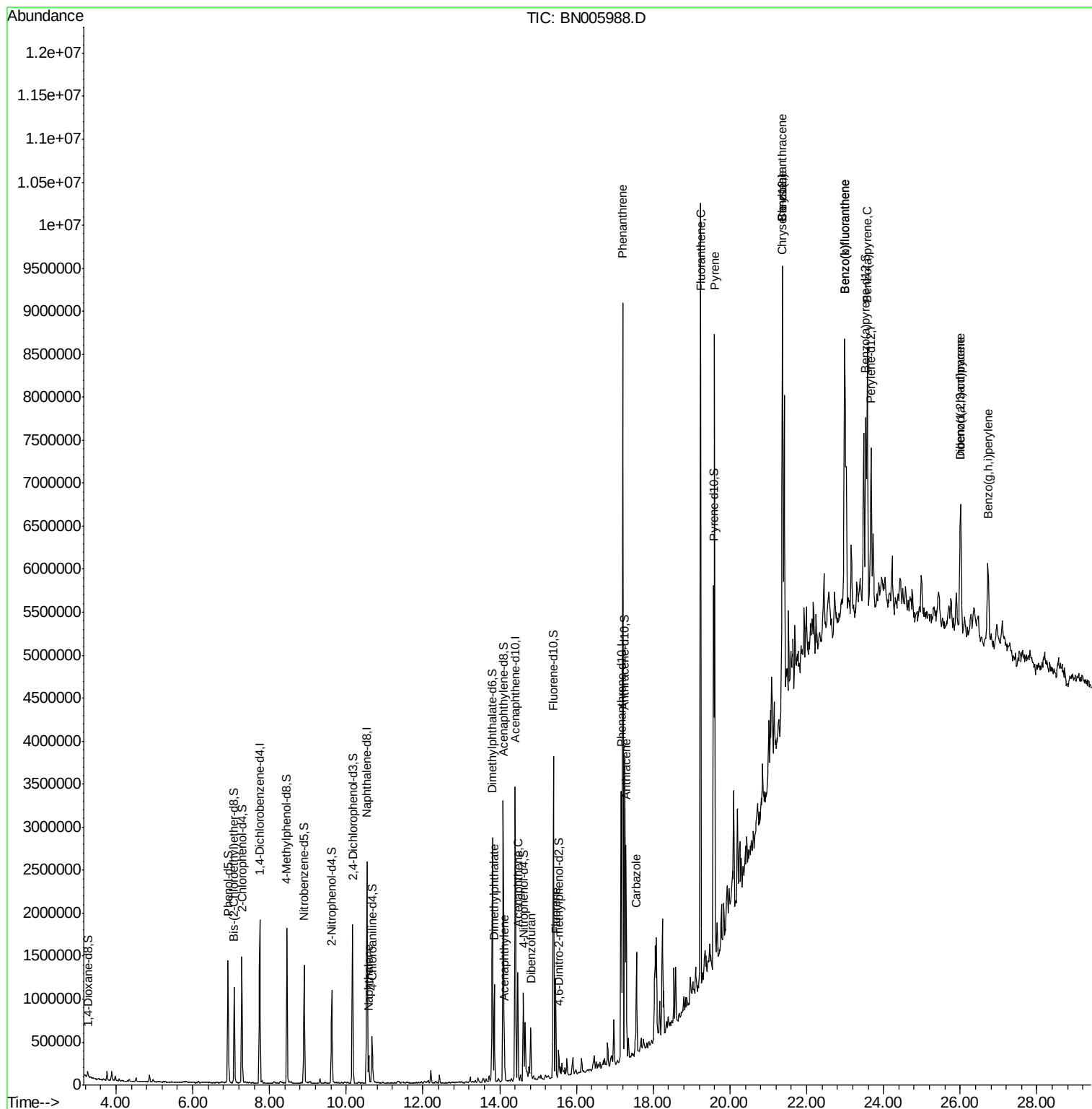
(#) = qualifier out of range (m) = manual integration (+) = signals summed

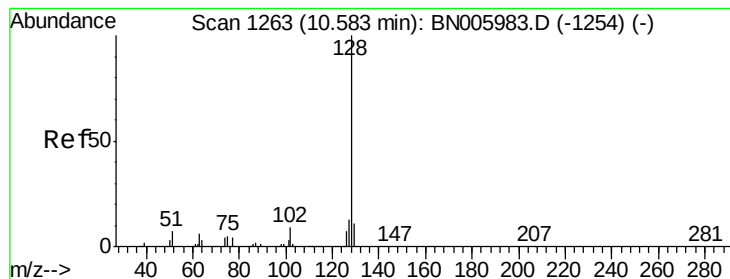
Data File : BN005988.D

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#28

Naphthalene

Concen: 2.426 ng/ul

RT: 10.59 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

Instrument :

BNA_N

ClientSampleId :

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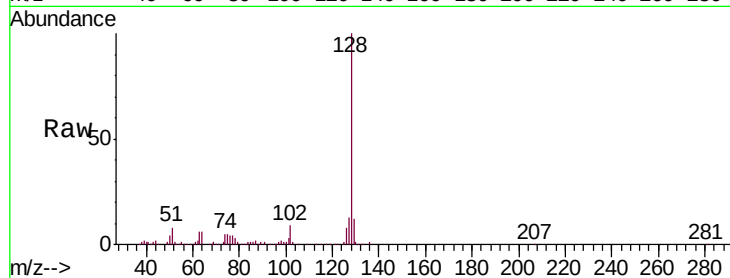
Tgt Ion:128 Resp: 245750

Ion Ratio Lower Upper

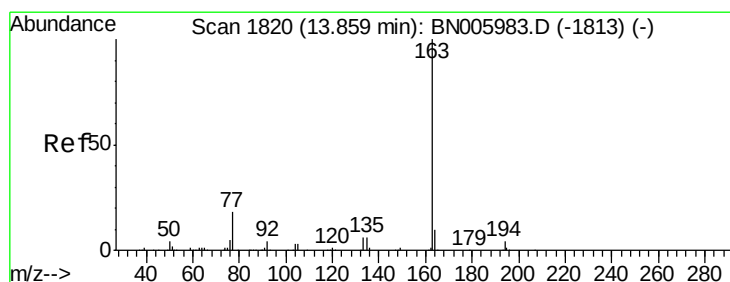
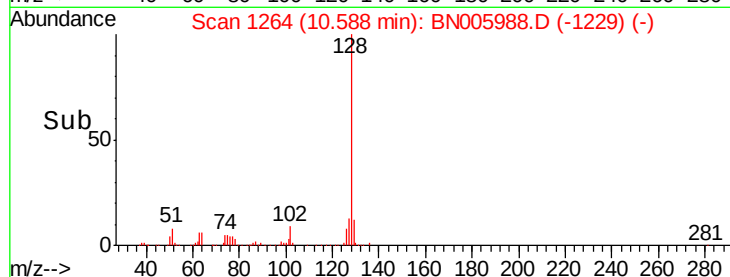
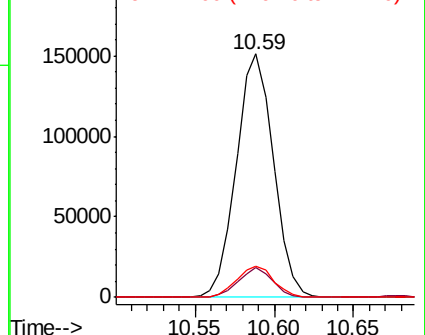
128 100

129 12.0 9.2 13.8

127 13.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 8.155 ng/ul

RT: 13.86 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

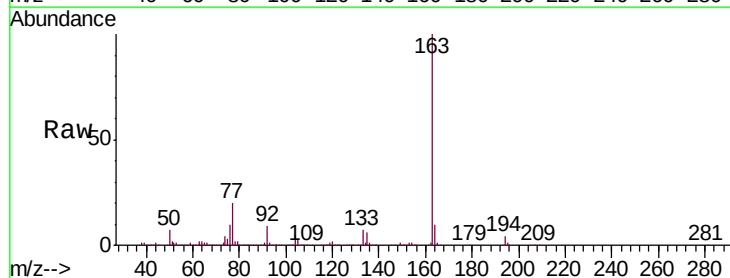
Tgt Ion:163 Resp: 662811

Ion Ratio Lower Upper

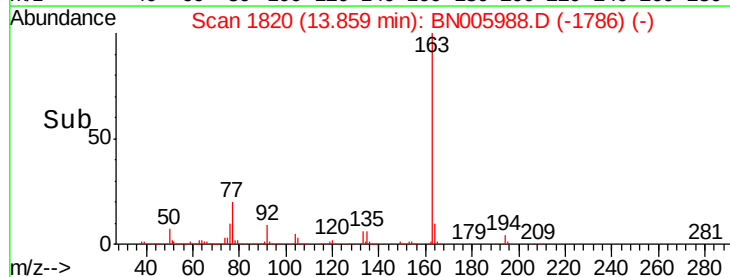
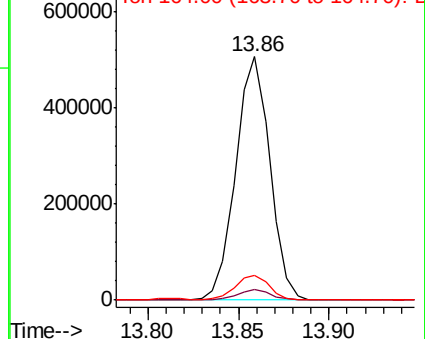
163 100

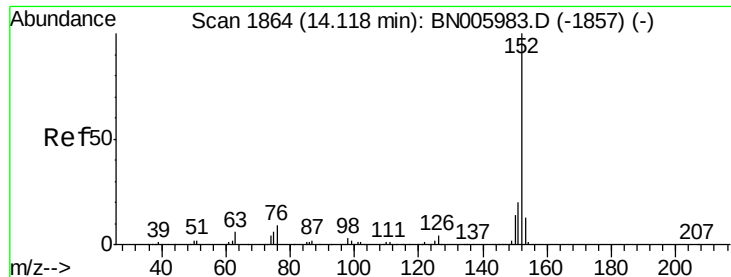
194 4.4 3.4 5.0

164 10.0 8.1 12.1



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: 1.886 ng/ul

RT: 14.12 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

Instrument :

BNA_N

ClientSampleId :

A42D7

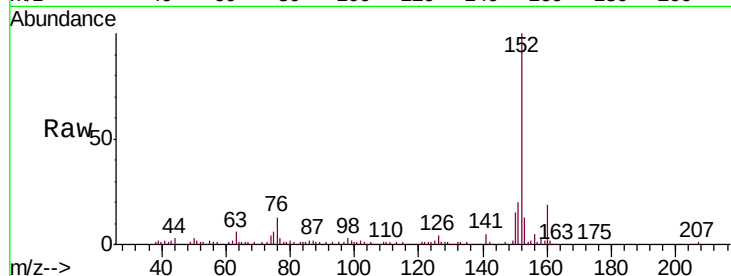
Tgt Ion:152 Resp: 188160

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

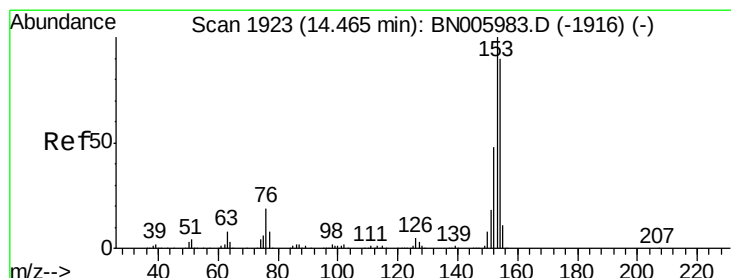
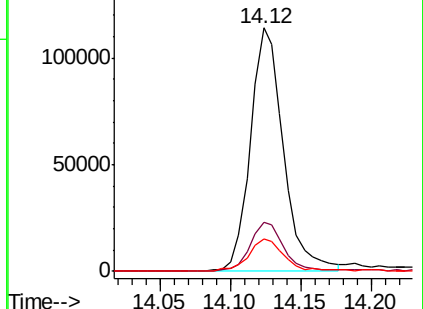
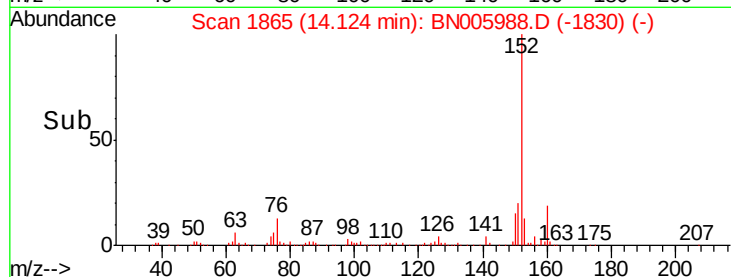
153 13.4 9.8 14.8



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: 7.310 ng/ul

RT: 14.47 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

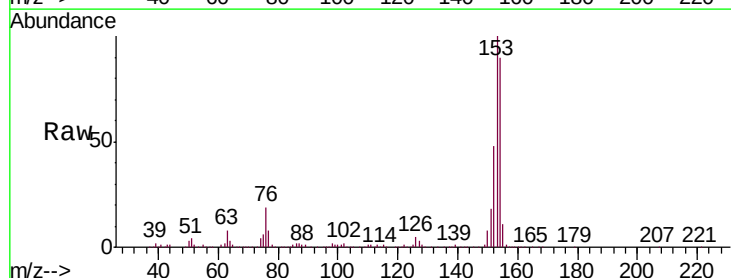
Tgt Ion:153 Resp: 495335

Ion Ratio Lower Upper

153 100

152 48.0 37.4 56.0

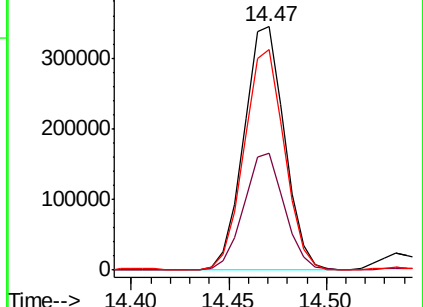
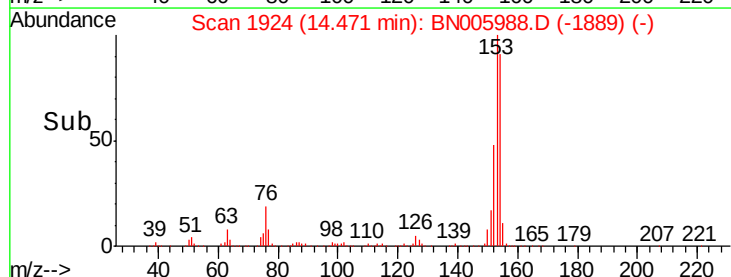
154 90.4 71.2 106.8

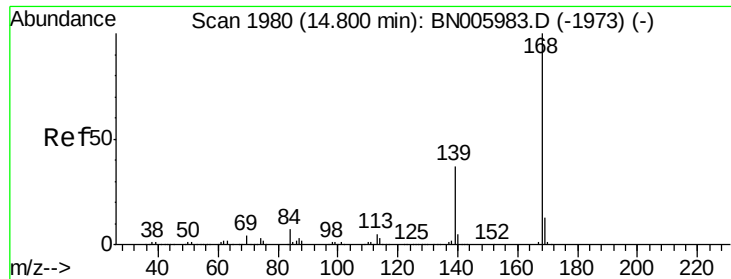


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 3.546 ng/ul

RT: 14.81 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

Instrument :

BNA_N

ClientSampleId :

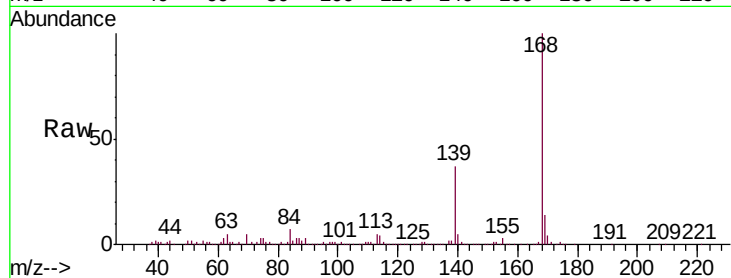
A42D7

Tgt Ion:168 Resp: 339202

Ion Ratio Lower Upper

168 100

139 37.5 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

250000

200000

150000

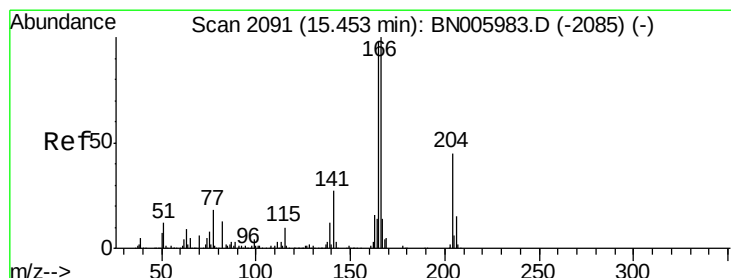
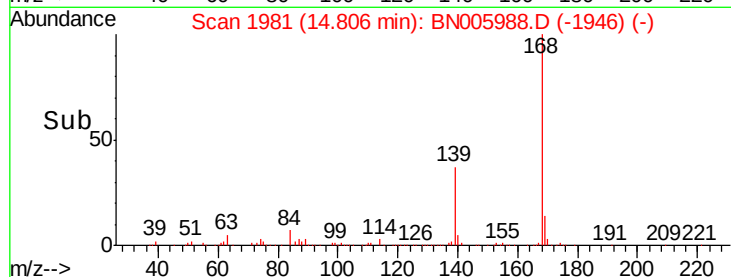
100000

50000

0

14.75 14.80 14.85

Time-->



#58

Fluorene

Concen: 6.595 ng/ul

RT: 15.46 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

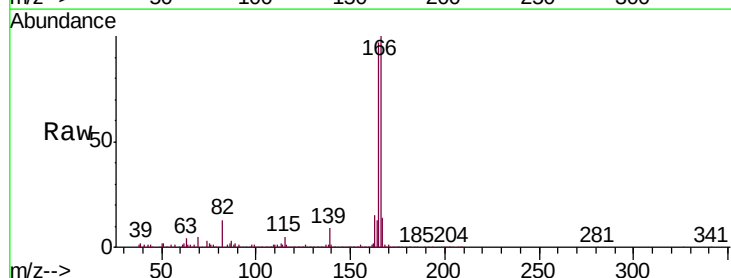
Tgt Ion:166 Resp: 495460

Ion Ratio Lower Upper

166 100

165 97.0 80.0 120.0

167 13.7 10.7 16.1



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

500000

400000

300000

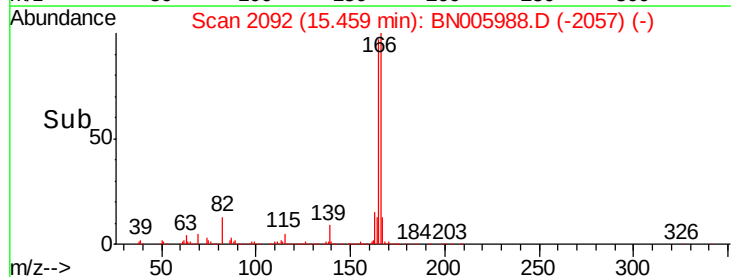
200000

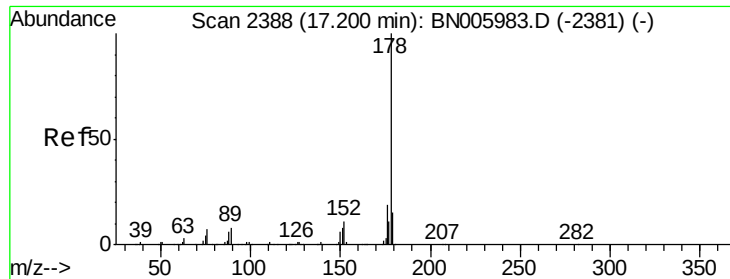
100000

0

15.40 15.45 15.50 15.55

Time-->





#69

Phenanthrene

Concen: 55.472 ng/ul

RT: 17.21 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

Instrument :

BNA_N

ClientSampleId :

A42D7

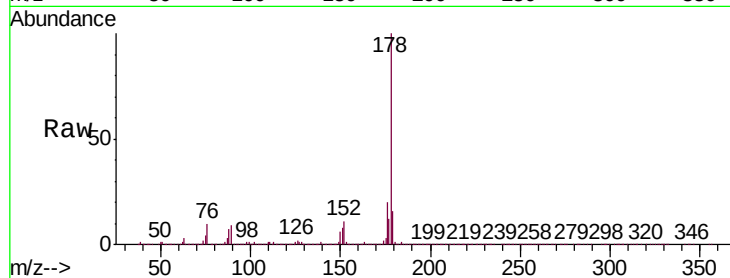
Tgt Ion:178 Resp: 5246191

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

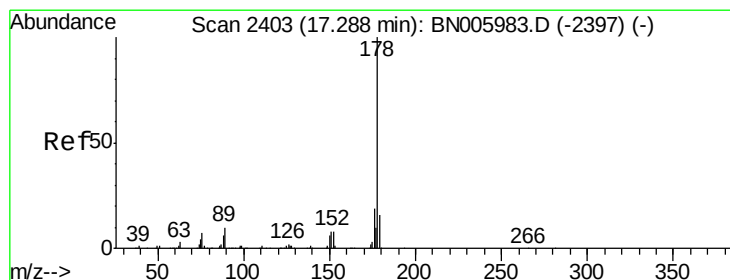
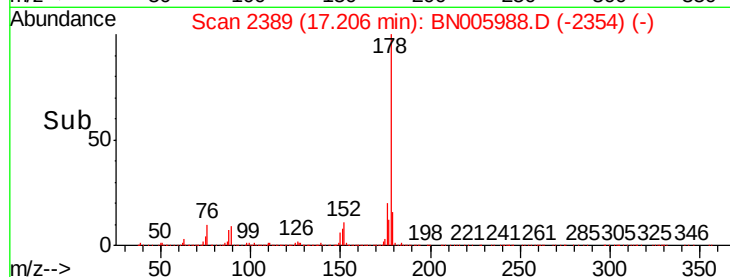
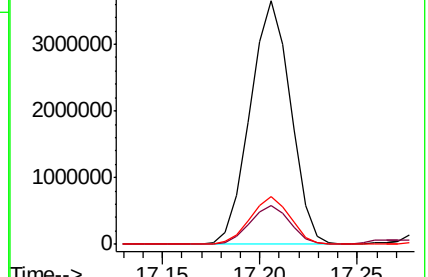
176 19.6 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

5000000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 16.026 ng/ul

RT: 17.29 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

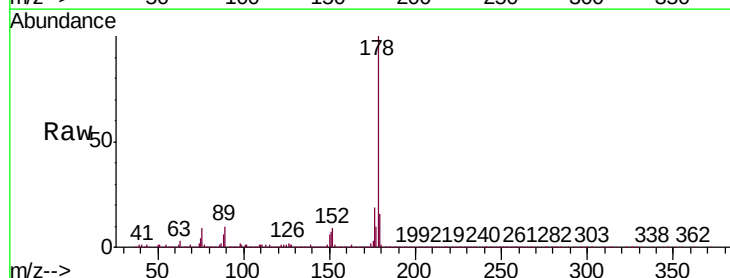
Tgt Ion:178 Resp: 1538803

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

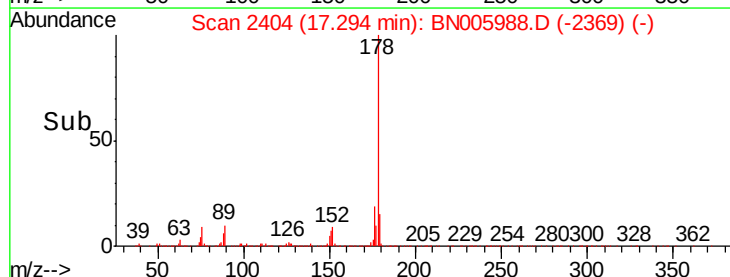
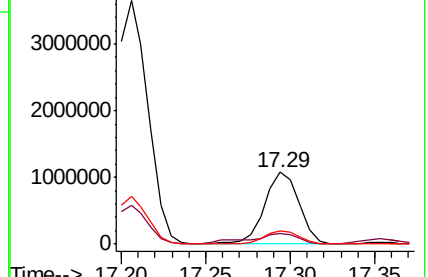
176 18.7 15.1 22.7

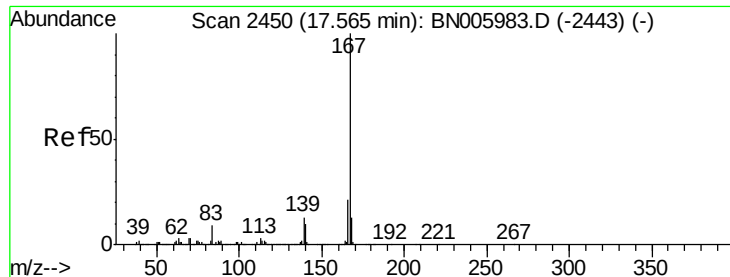


Abundance Ion 178.00 (177.70 to 178.70): E

5000000 Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 8.336 ng/ul

RT: 17.56 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BN005988.D

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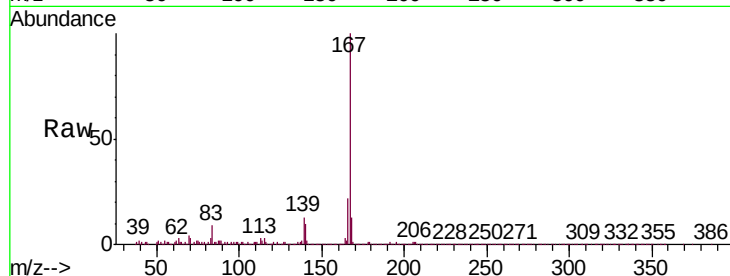
Tgt Ion:167 Resp: 721065

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

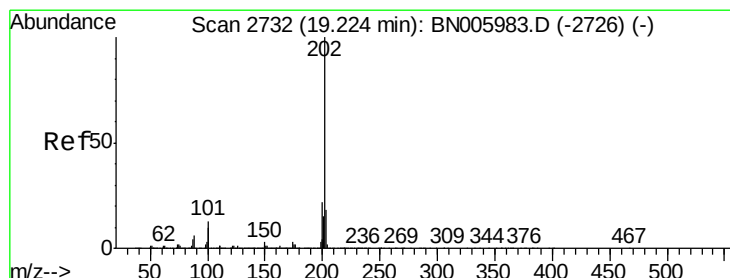
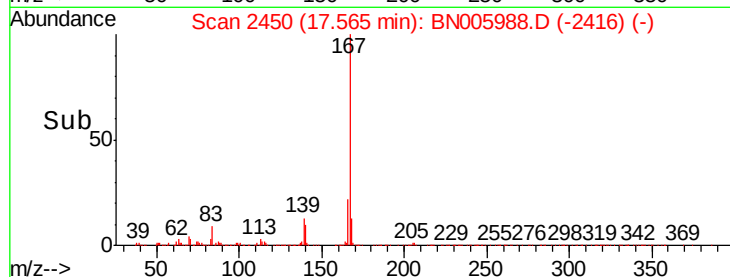
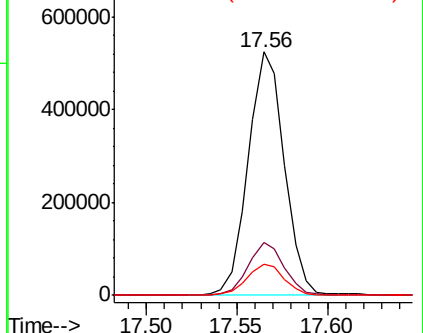
139 13.0 10.6 16.0



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: 54.791 ng/ul

RT: 19.24 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

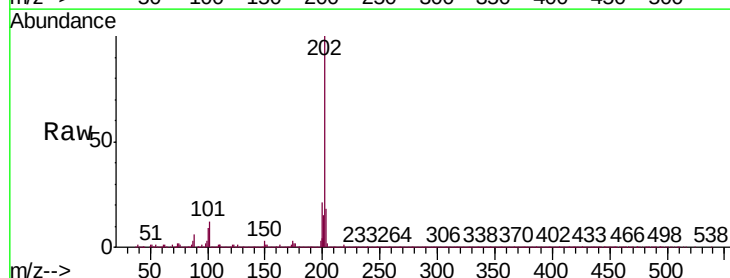
Tgt Ion:202 Resp: 5531759

Ion Ratio Lower Upper

202 100

101 12.2 8.6 12.8

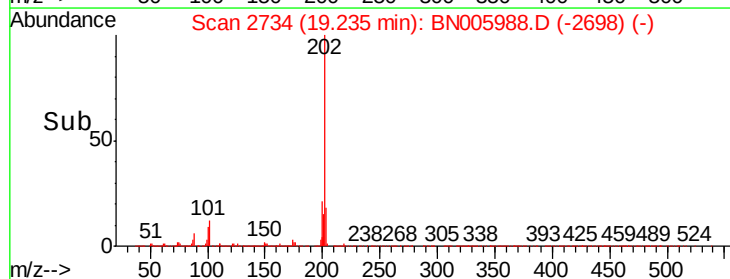
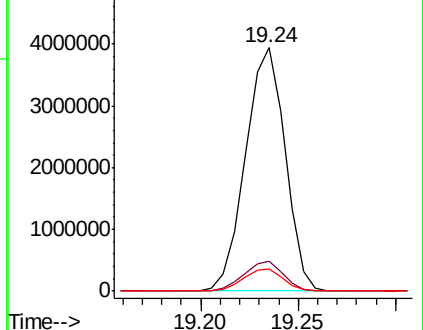
100 9.1 6.3 9.5

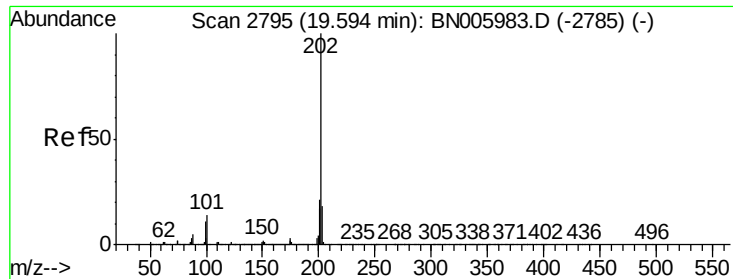


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 60.047 ng/ul

RT: 19.60 min Scan# 2796

Delta R.T. 0.01 min

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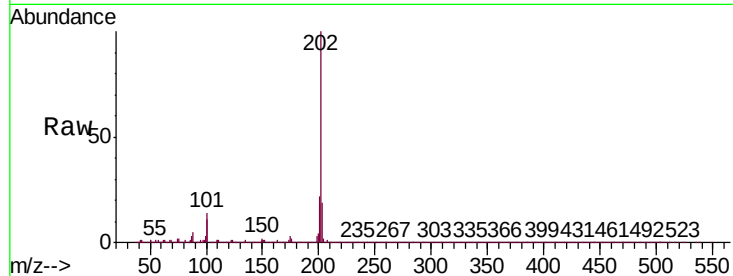
Tgt Ion:202 Resp: 4539058

Ion Ratio Lower Upper

202 100

101 14.1 10.3 15.5

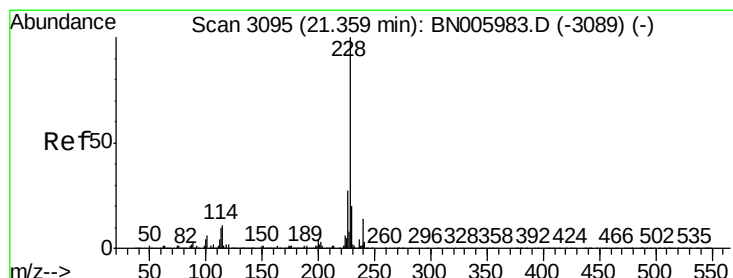
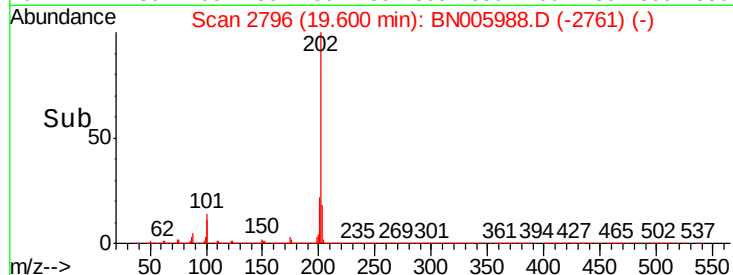
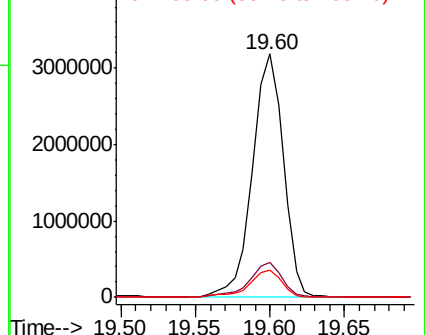
100 11.2 7.9 11.9



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: 30.294 ng/ul

RT: 21.36 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

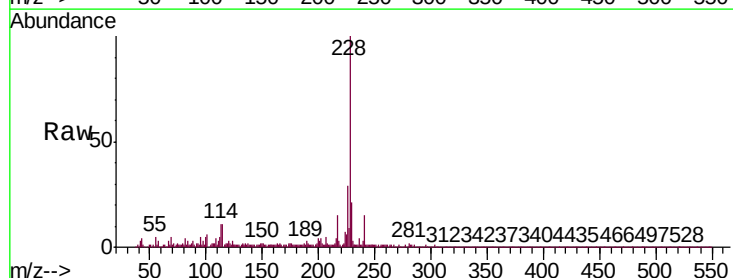
Tgt Ion:228 Resp: 2272451

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.6

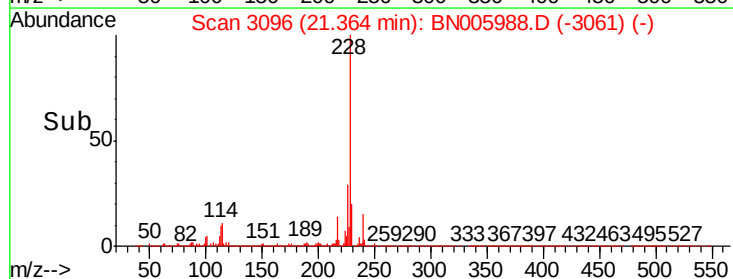
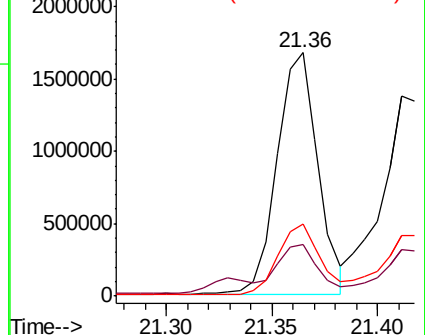
226 29.4 21.4 32.2

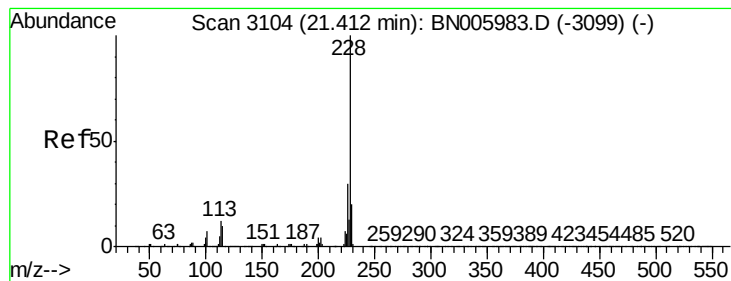


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 32.441 ng/ul

RT: 21.36 min Scan# 3096

Delta R.T. -0.05 min

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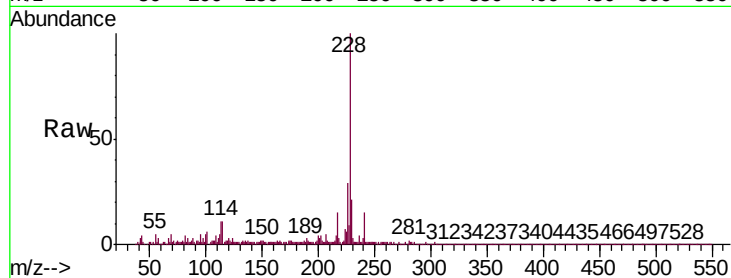
Tgt Ion:228 Resp: 2269668

Ion Ratio Lower Upper

228 100

226 29.4 24.0 36.0

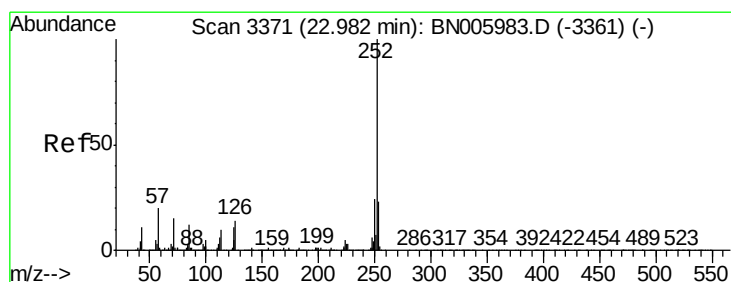
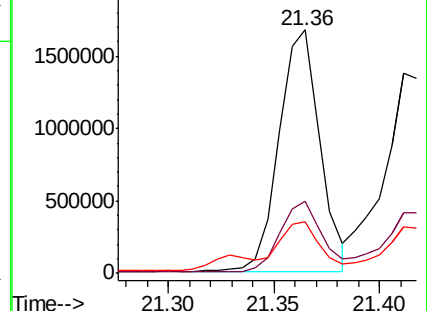
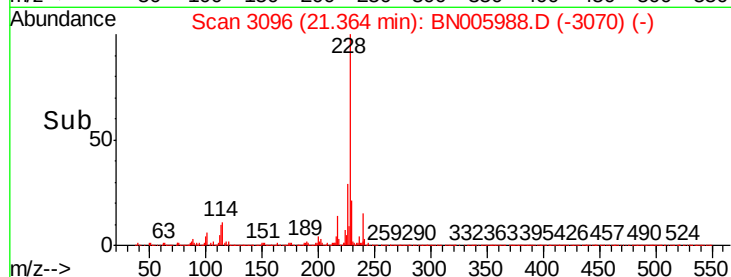
229 21.3 15.4 23.0



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



#87

Benzo(b)fluoranthene

Concen: 37.863 ng/ul

RT: 22.99 min Scan# 3373

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

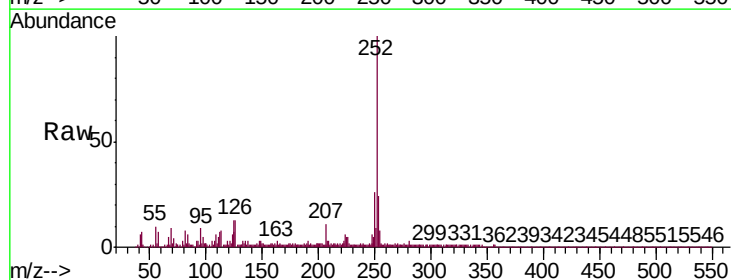
Tgt Ion:252 Resp: 3011215

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

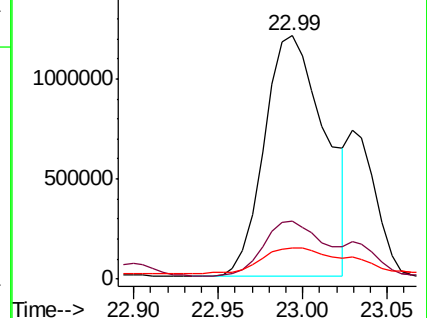
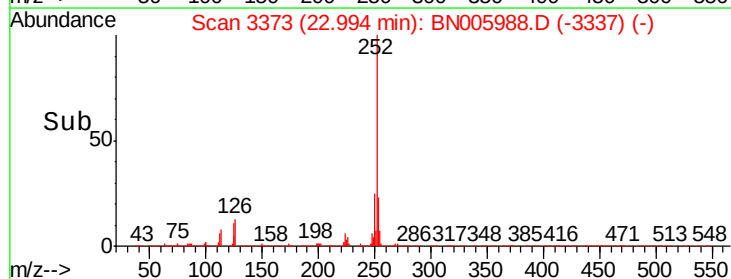
125 13.0 8.4 12.6#

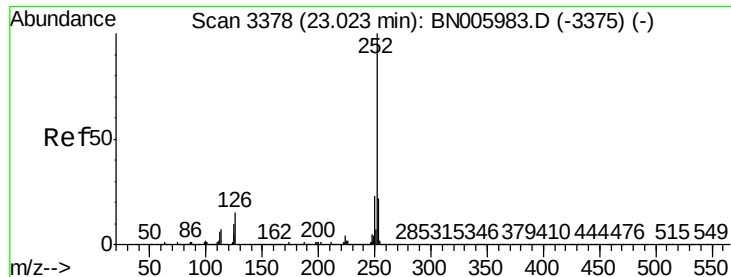


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 41.180 ng/ul

RT: 22.99 min Scan# 3373

Delta R.T. -0.03 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

Instrument :

BNA_N

ClientSampleId :

A42D7

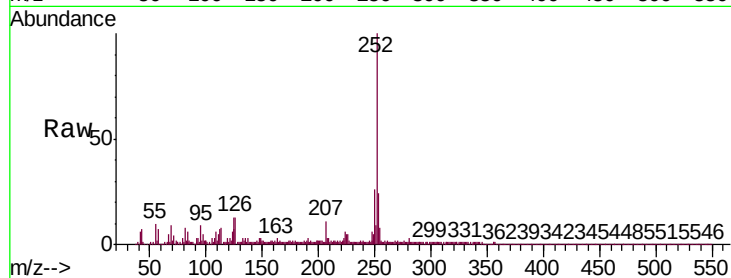
Tgt Ion:252 Resp: 3011215

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

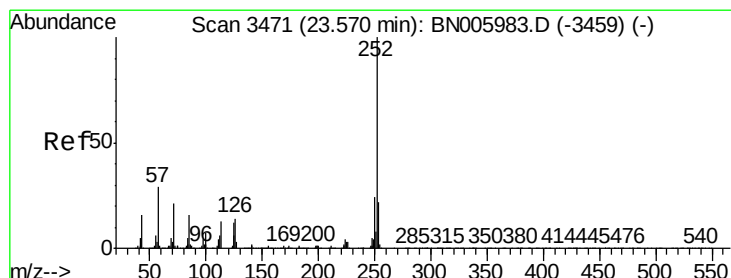
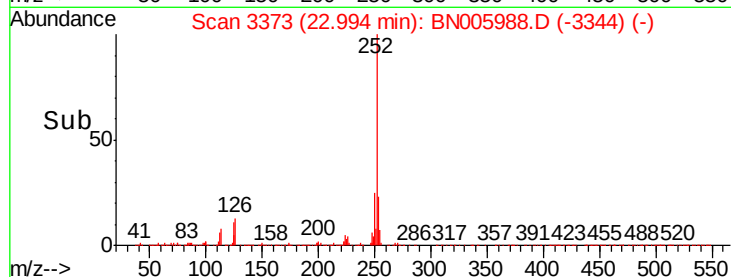
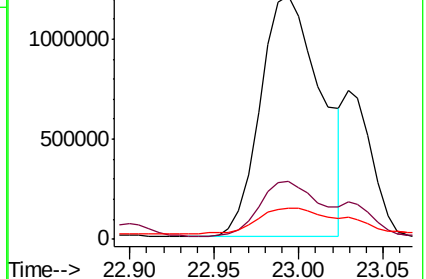
125 13.0 7.5 11.3#



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



#90

Benzo(a)pyrene

Concen: 27.673 ng/ul

RT: 23.58 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

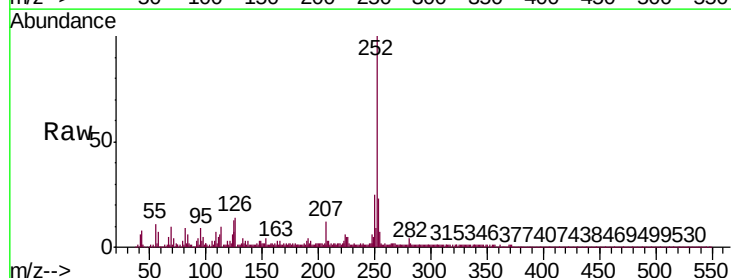
Tgt Ion:252 Resp: 2075409

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

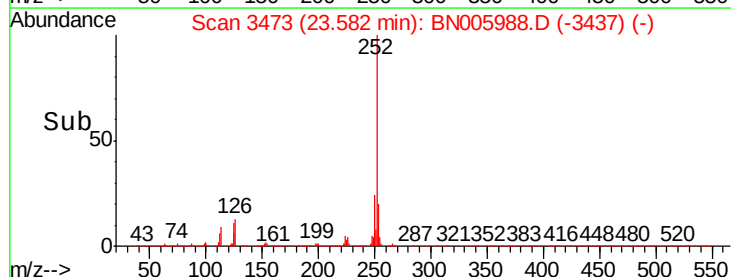
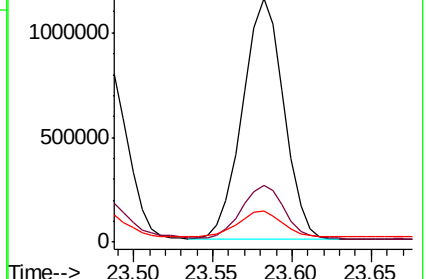
125 13.0 8.6 13.0#

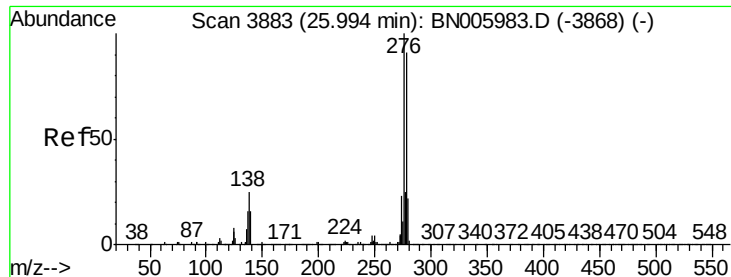


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



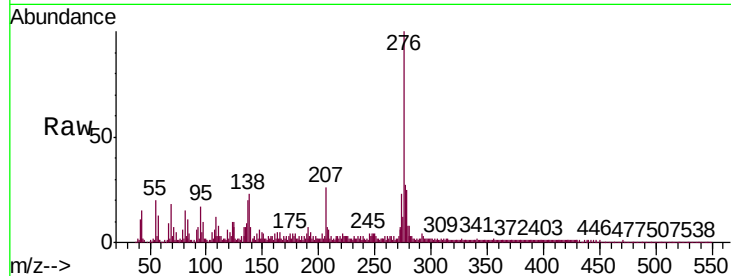


#91

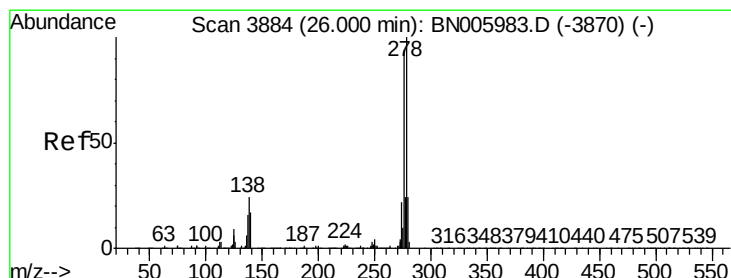
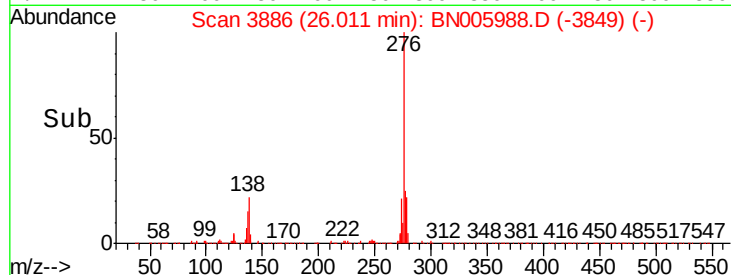
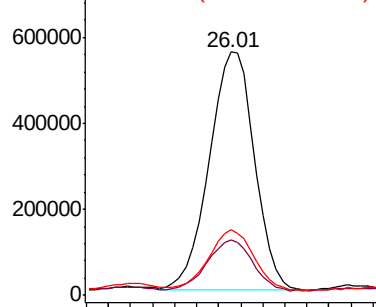
Indeno(1,2,3-cd)pyrene
Concen: 18.172 ng/ul
RT: 26.01 min Scan# 3886
Delta R.T. 0.02 min
Lab File: BN005988.D
Acq: 31 May 2019 20:02

Instrument :
BNA_N
ClientSampleId :
A42D7

Tgt Ion:276 Resp: 1599169
Ion Ratio Lower Upper
276 100
138 22.7 17.9 26.9
277 26.8 19.7 29.5



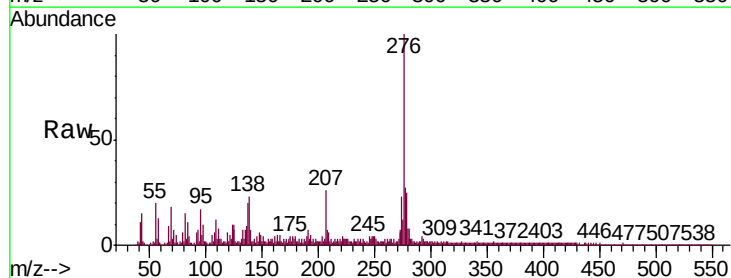
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



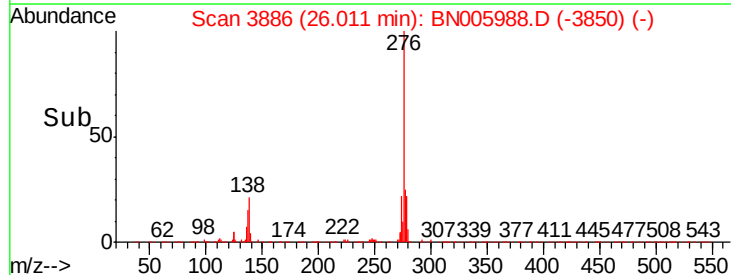
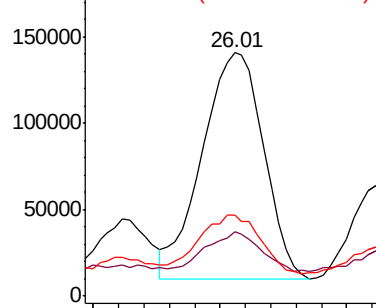
#92

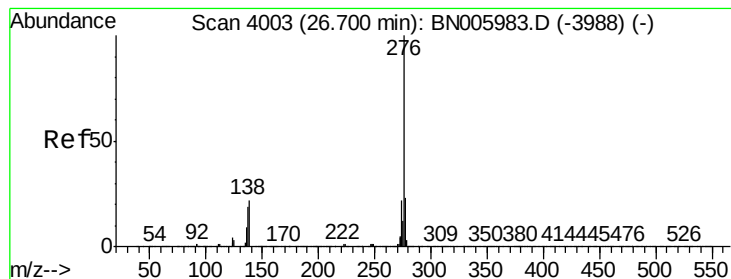
Dibenzo(a,h)anthracene
Concen: 6.028 ng/ul
RT: 26.01 min Scan# 3886
Delta R.T. 0.01 min
Lab File: BN005988.D
Acq: 31 May 2019 20:02

Tgt Ion:278 Resp: 441646
Ion Ratio Lower Upper
278 100
139 26.2 13.1 19.7#
279 33.2 19.4 29.0#



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: 17.096 ng/ul

RT: 26.73 min Scan# 4008

Delta R.T. 0.03 min

Lab File: BN005988.D

Acq: 31 May 2019 20:02

Instrument :

BNA_N

ClientSampleId :

A42D7

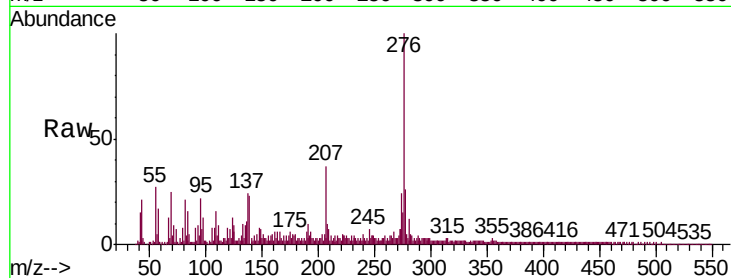
Tgt Ion:276 Resp: 1267109

Ion Ratio Lower Upper

276 100

138 23.4 16.7 25.1

277 26.1 18.2 27.2



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

