

Data File : BN005986.D
Acq On : 31 May 2019 18:53
Operator : JU/SJ
Sample : K2923-11RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4258

Quant Time: Jun 01 01:52:28 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	7.74	152	478192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	2017108	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	1047568	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1817988	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1181226	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1396663	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	63703	5.86	ng/uL	0.00
5) Phenol-d5	6.91	99	1418645	33.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	794032	32.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	1139153	35.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	1091507	31.90	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	558355	43.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	624934	51.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	1098915	38.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	449808	12.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	2935493	38.01	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	3684691	38.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	381774	27.16	ng/ul	0.00
57) Fluorene-d10	15.40	176	2311905	35.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	247219	33.36	ng/ul	0.00
70) Anthracene-d10	17.25	188	2954065	38.18	ng/ul	0.00
78) Pyrene-d10	19.56	212	2506644	42.02	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	2393929	38.41	ng/ul	0.00

Target Compounds

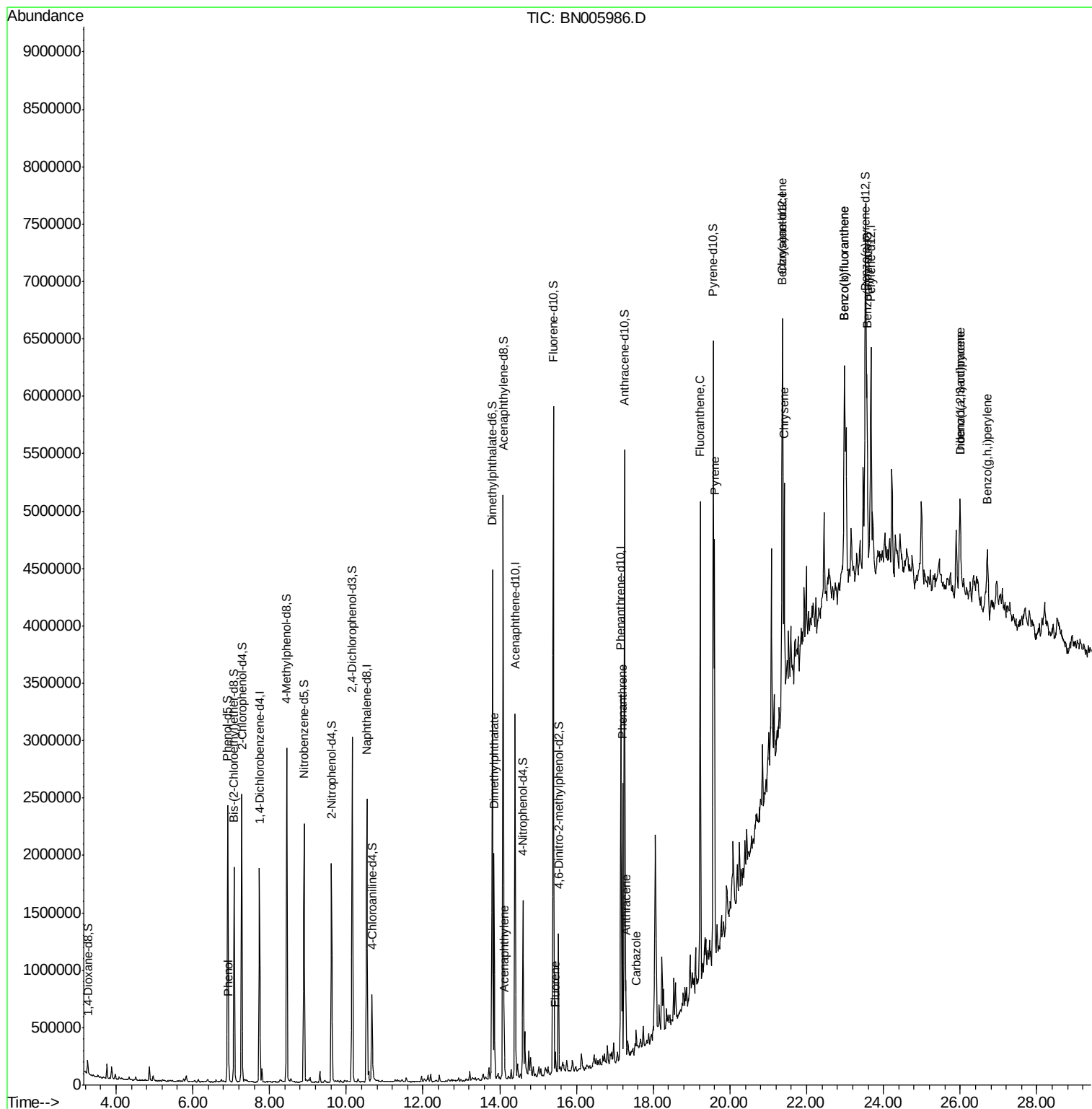
					Qvalue
6) Phenol	6.94	94	58799	1.346	ng/ul 92
44) Dimethylphthalate	13.85	163	1141824	14.793	ng/ul 100
47) Acenaphthylene	14.12	152	176029	1.858	ng/ul 98
58) Fluorene	15.45	166	76942	1.078	ng/ul 100
69) Phenanthrene	17.20	178	1433851	15.918	ng/ul 100
71) Anthracene	17.29	178	406803	4.448	ng/ul 100
74) Carbazole	17.56	167	112273	1.363	ng/ul 97
76) Fluoranthene	19.22	202	2412409	25.088	ng/ul 97
79) Pyrene	19.59	202	2206766	29.492	ng/ul 98
82) Benzo(a)anthracene	21.36	228	1070576	14.418	ng/ul 94
84) Chrysene	21.41	228	1096901	15.839	ng/ul 97
87) Benzo(b)fluoranthene	22.99	252	1433246	18.270	ng/ul# 93
88) Benzo(k)fluoranthene	22.99	252	1433246	19.871	ng/ul# 91
90) Benzo(a)pyrene	23.58	252	1037084	14.019	ng/ul# 93
91) Indeno(1,2,3-cd)pyrene	26.00	276	737584	8.497	ng/ul 94
92) Dibenzo(a,h)anthracene	26.00	278	203619	2.817	ng/ul# 65
93) Benzo(g,h,i)perylene	26.71	276	629656	8.612	ng/ul 92

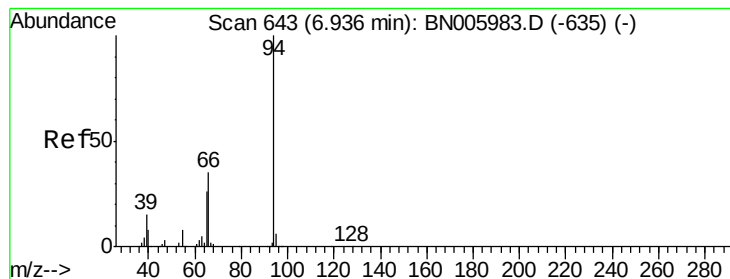
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.346 ng/ul

RT: 6.94 min Scan# 644

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampled :

A4258

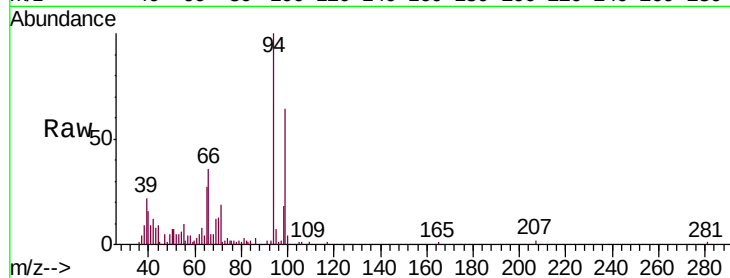
Tgt Ion: 94 Resp: 58799

Ion Ratio Lower Upper

94 100

65 26.9 24.2 36.4

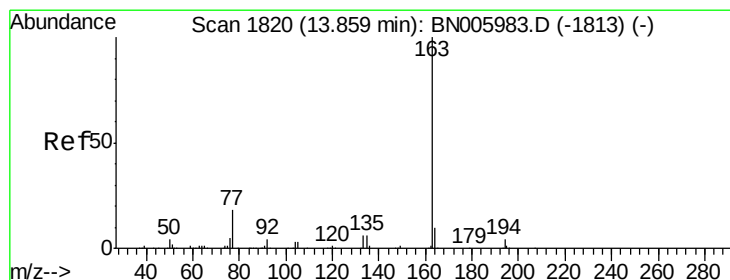
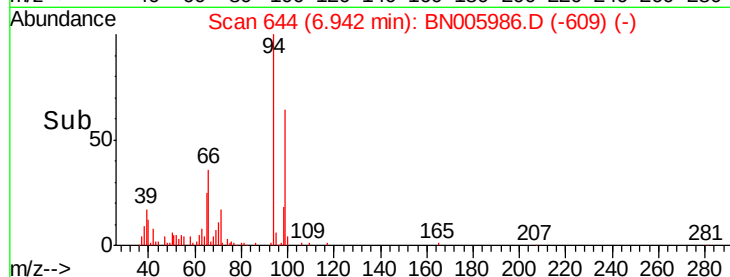
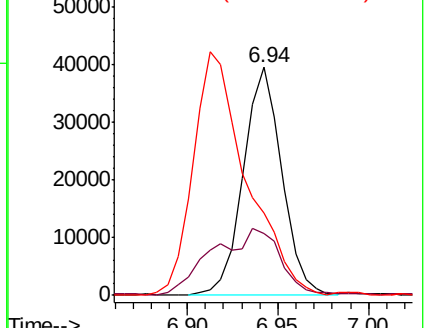
66 36.4 33.8 50.6



Abundance Ion 94.00 (93.70 to 94.70): BN005983.D (-635) (-)

Ion 65.00 (64.70 to 65.70): BN005983.D (-635) (-)

Ion 66.00 (65.70 to 66.70): BN005983.D (-635) (-)



#44

Dimethylphthalate

Concen: 14.793 ng/ul

RT: 13.85 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

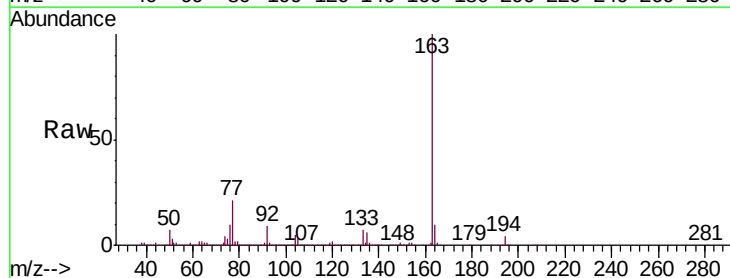
Tgt Ion: 163 Resp: 1141824

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

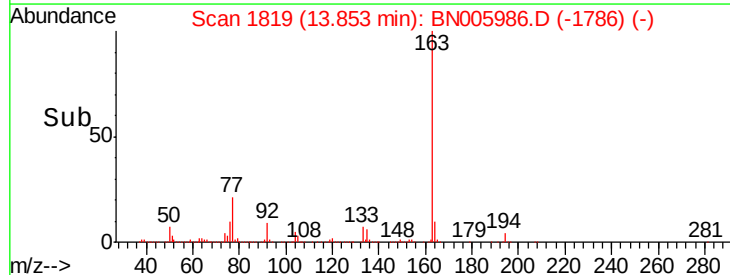
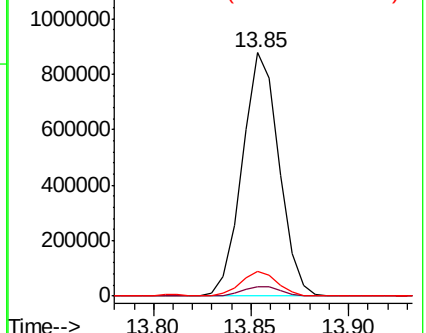
164 10.0 8.1 12.1

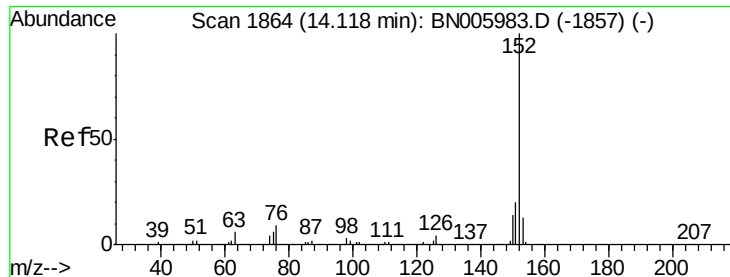


Abundance Ion 163.00 (162.70 to 163.70): BN005983.D (-1813) (-)

Ion 194.00 (193.70 to 194.70): BN005983.D (-1813) (-)

Ion 164.00 (163.70 to 164.70): BN005983.D (-1813) (-)





#47

Acenaphthylene

Concen: 1.858 ng/ul

RT: 14.12 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

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ClientSampleId :

A4258

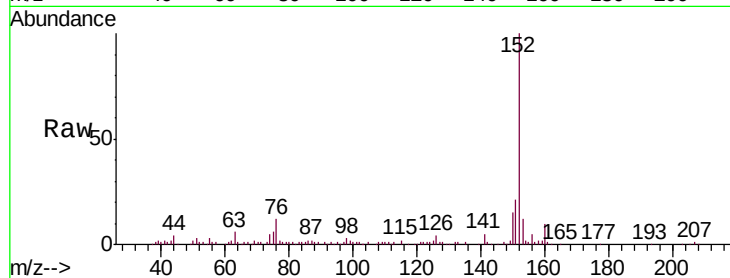
Tgt Ion:152 Resp: 176029

Ion Ratio Lower Upper

152 100

151 20.9 15.8 23.8

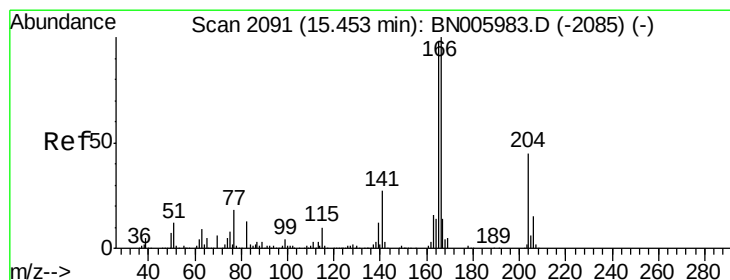
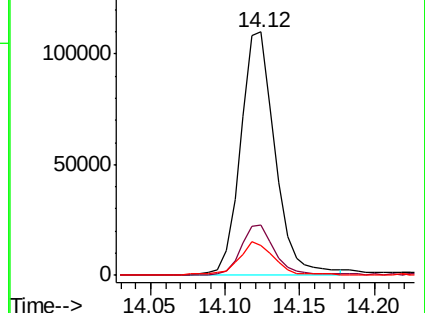
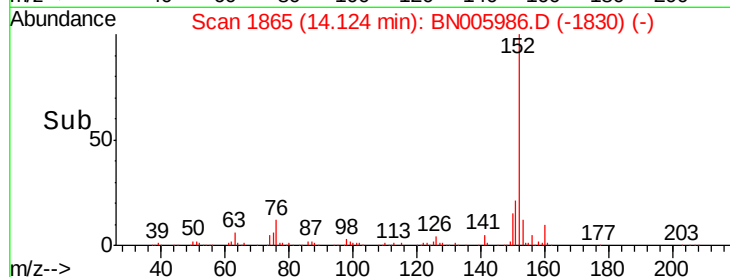
153 12.4 9.8 14.8



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



#58

Fluorene

Concen: 1.078 ng/ul

RT: 15.45 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

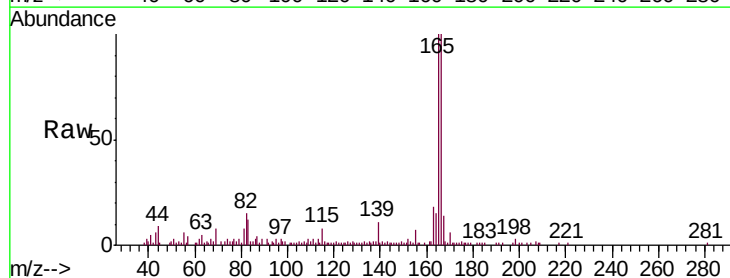
Tgt Ion:166 Resp: 76942

Ion Ratio Lower Upper

166 100

165 100.2 80.0 120.0

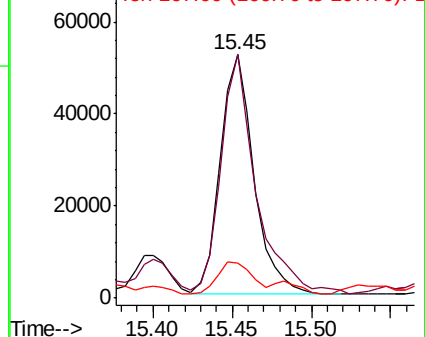
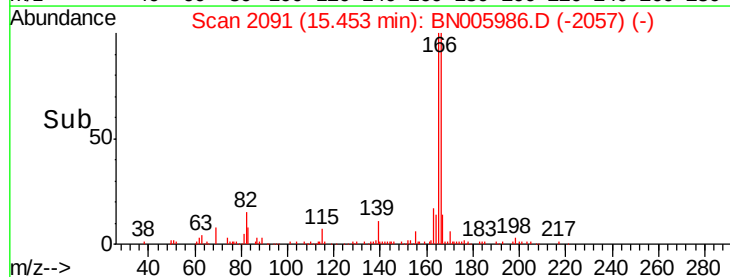
167 14.4 10.7 16.1

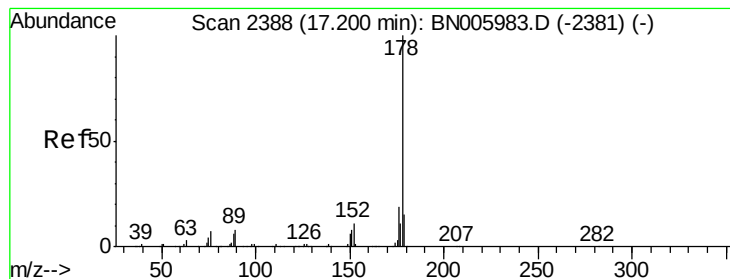


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.918 ng/ul

RT: 17.20 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampleId :

A4258

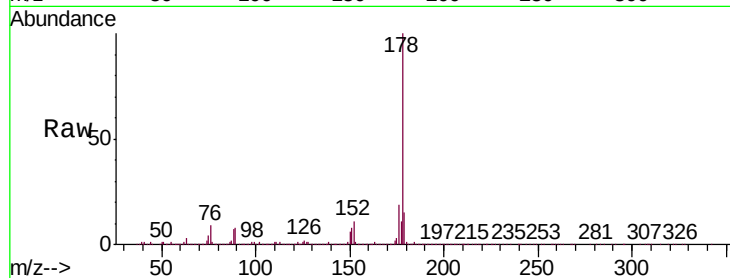
Tgt Ion:178 Resp: 1433851

Ion Ratio Lower Upper

178 100

179 15.0 12.2 18.4

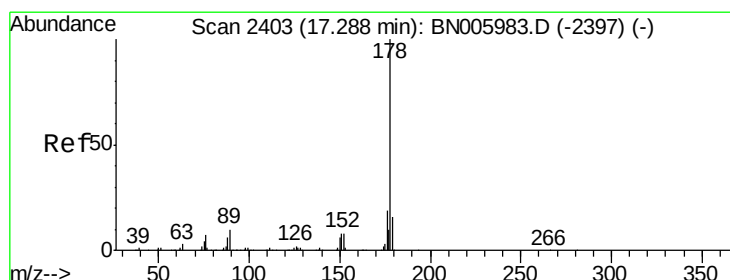
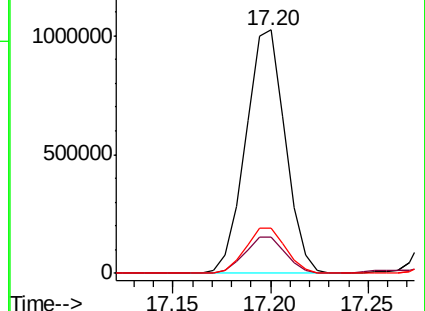
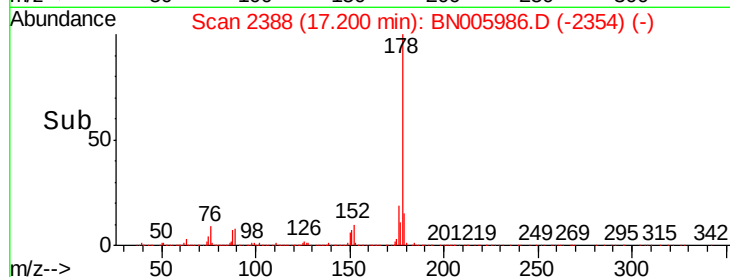
176 18.8 15.1 22.7



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: 4.448 ng/ul

RT: 17.29 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

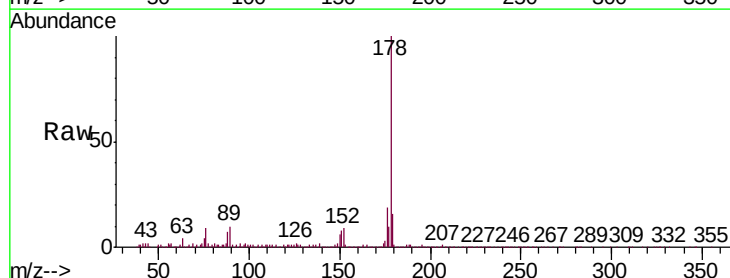
Tgt Ion:178 Resp: 406803

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

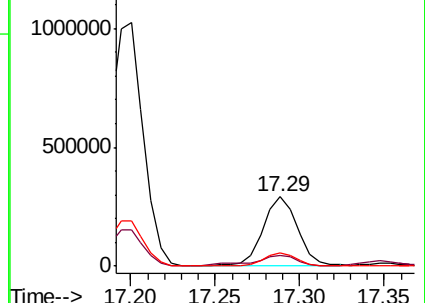
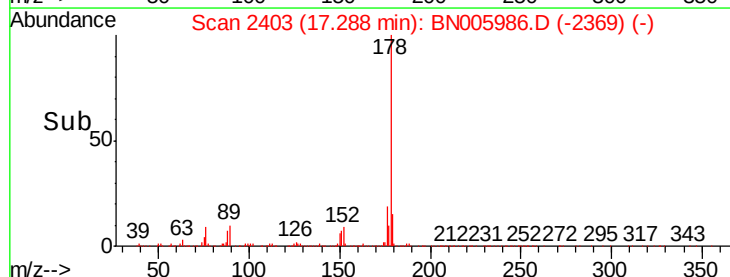
176 18.8 15.1 22.7

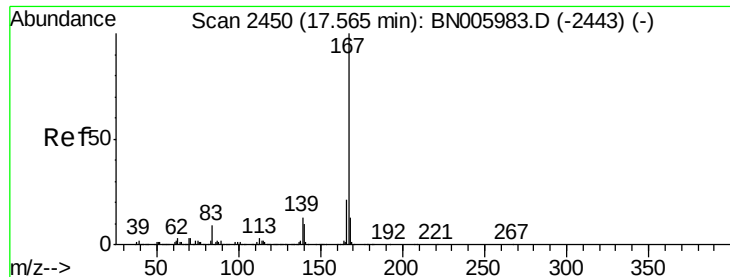


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.363 ng/ul

RT: 17.56 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampled :

A4258

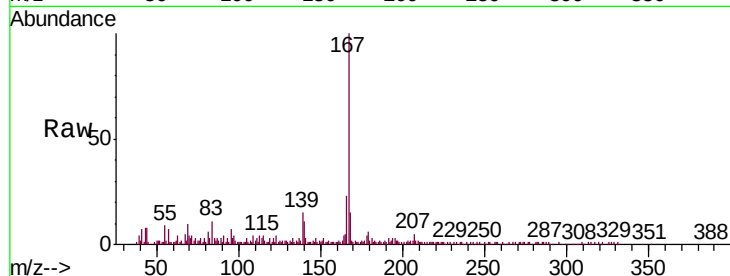
Tgt Ion:167 Resp: 112273

Ion Ratio Lower Upper

167 100

166 22.6 17.2 25.8

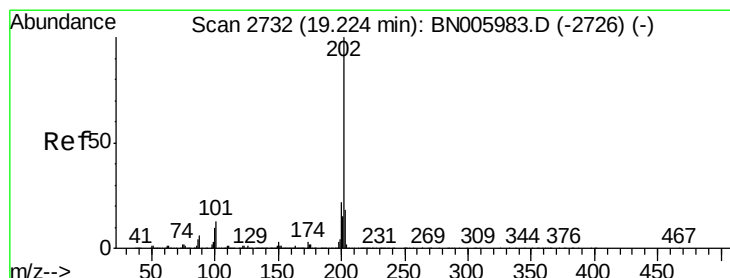
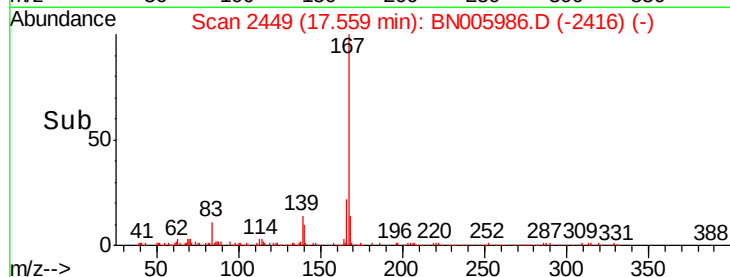
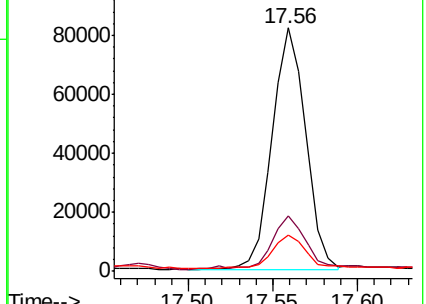
139 15.0 10.6 16.0



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: 25.088 ng/ul

RT: 19.22 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

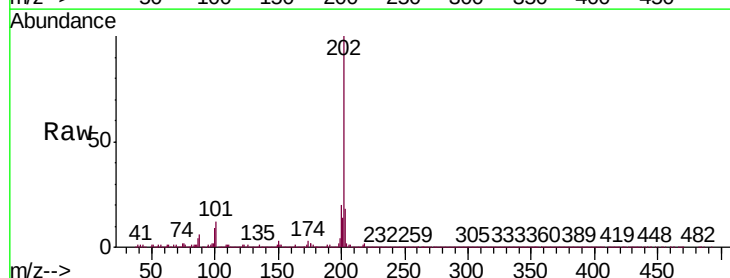
Tgt Ion:202 Resp: 2412409

Ion Ratio Lower Upper

202 100

101 11.9 8.6 12.8

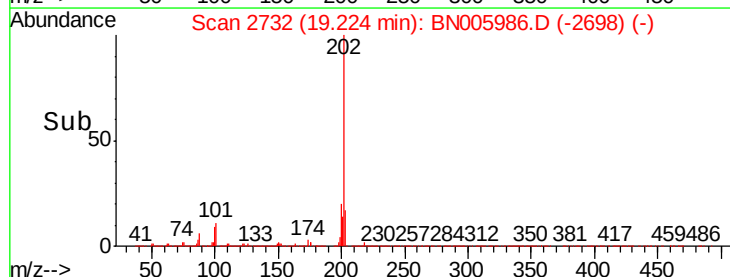
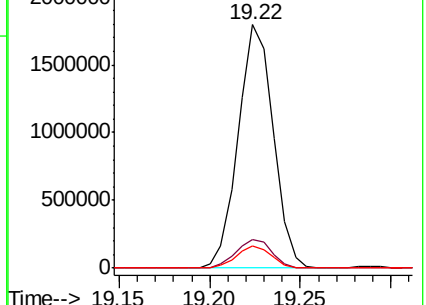
100 8.9 6.3 9.5

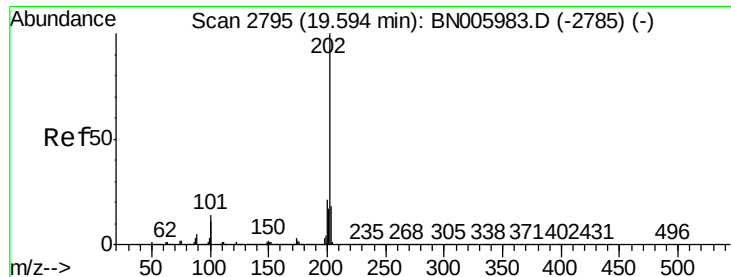


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 29.492 ng/ul

RT: 19.59 min Scan# 2795

Delta R.T. 0.00 min

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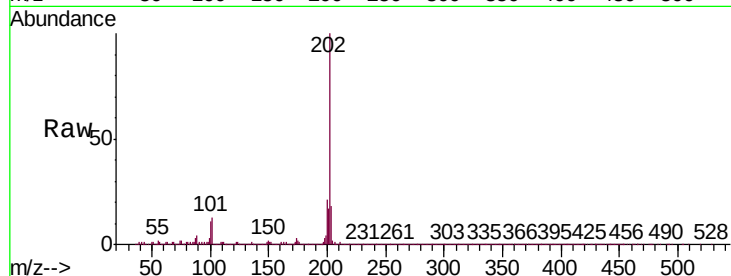
Tgt Ion:202 Resp: 2206766

Ion Ratio Lower Upper

202 100

101 13.2 10.3 15.5

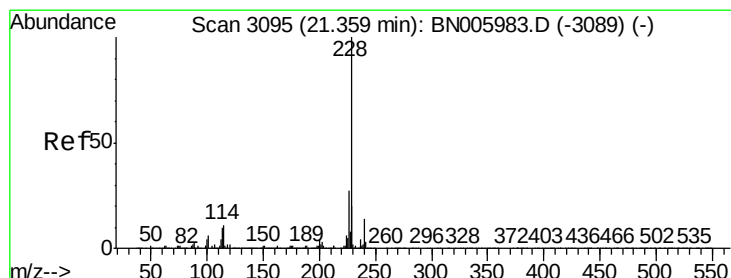
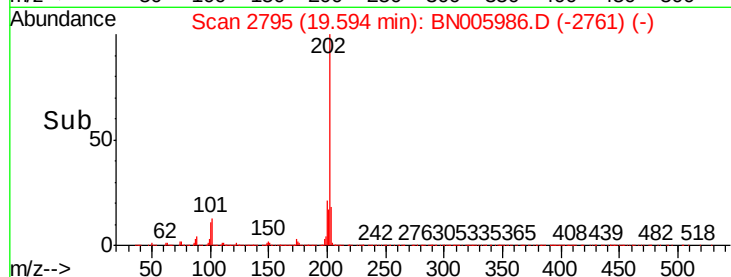
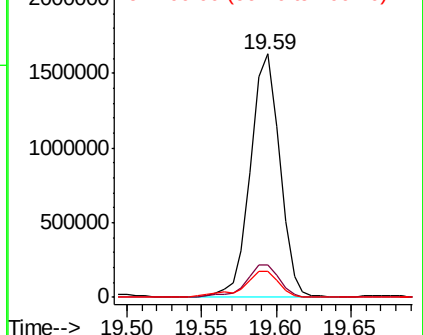
100 10.9 7.9 11.9



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: 14.418 ng/ul

RT: 21.36 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

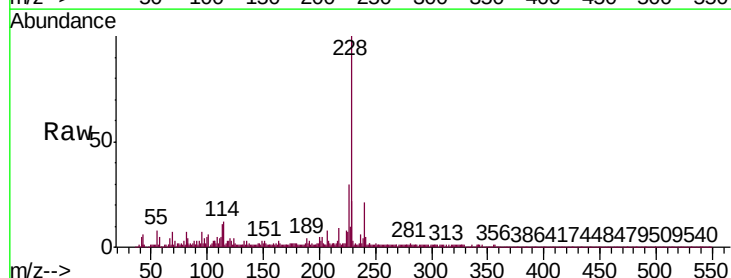
Tgt Ion:228 Resp: 1070576

Ion Ratio Lower Upper

228 100

229 22.1 15.8 23.6

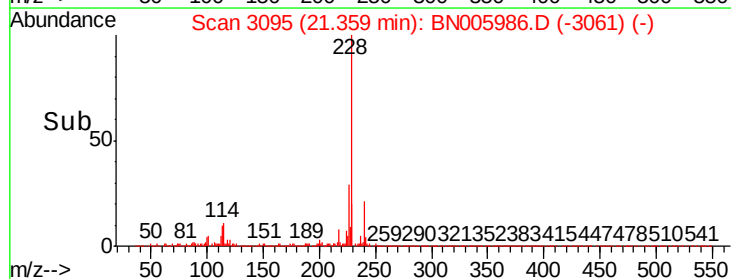
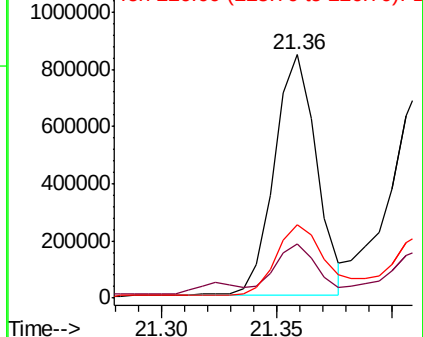
226 30.3 21.4 32.2

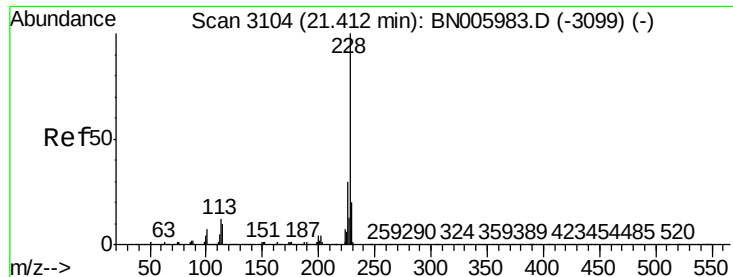


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 15.839 ng/ul

RT: 21.41 min Scan# 3104

Delta R.T. -0.00 min

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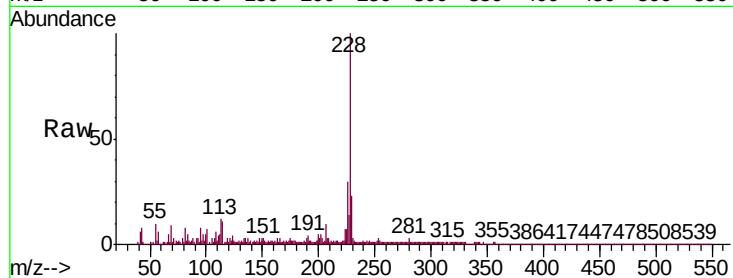
Tgt Ion:228 Resp: 1096901

Ion Ratio Lower Upper

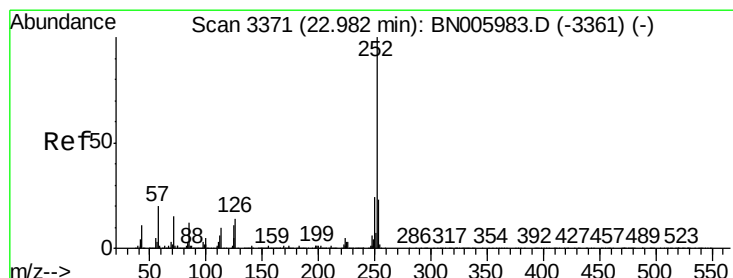
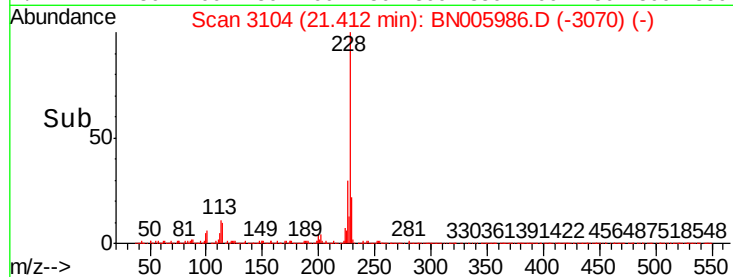
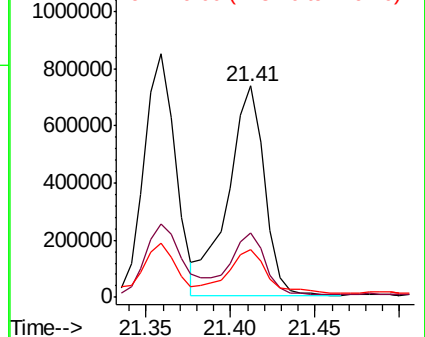
228 100

226 30.2 24.0 36.0

229 22.9 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: 18.270 ng/ul

RT: 22.99 min Scan# 3372

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

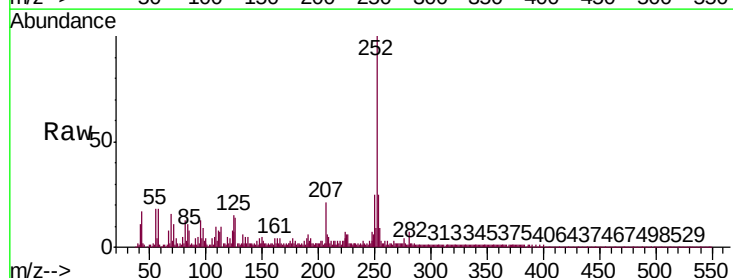
Tgt Ion:252 Resp: 1433246

Ion Ratio Lower Upper

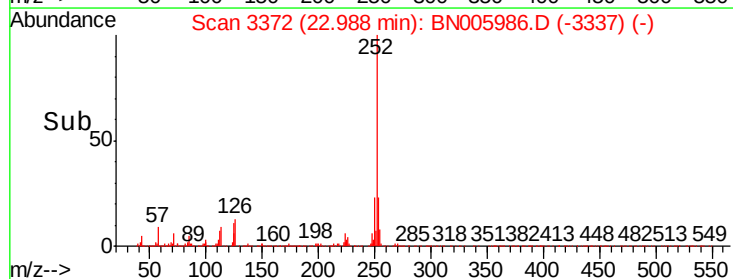
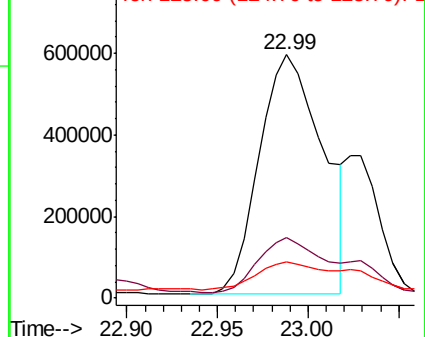
252 100

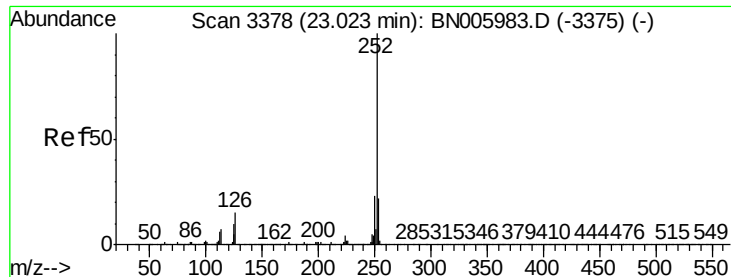
253 24.6 17.7 26.5

125 14.7 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: 19.871 ng/ul

RT: 22.99 min Scan# 3372

Delta R.T. -0.04 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampleId :

A4258

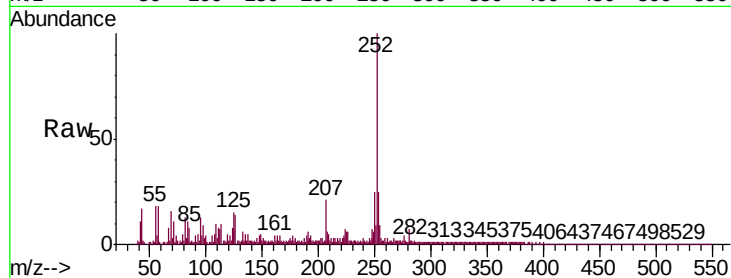
Tgt Ion:252 Resp: 1433246

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

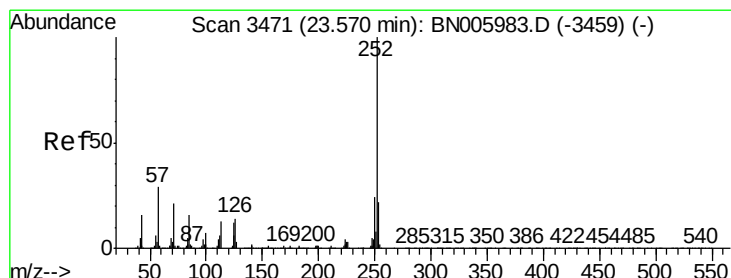
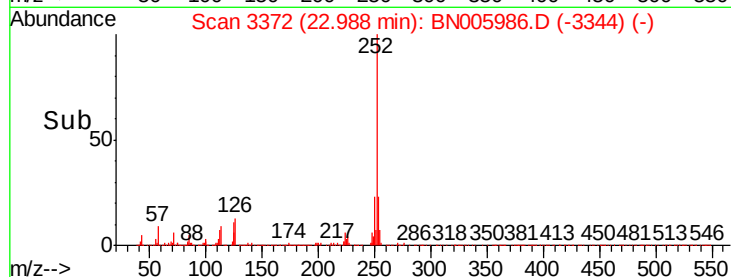
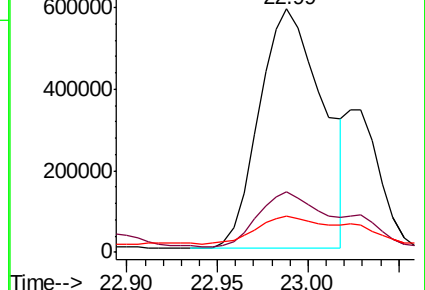
125 14.7 7.5 11.3#



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: 14.019 ng/ul

RT: 23.58 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

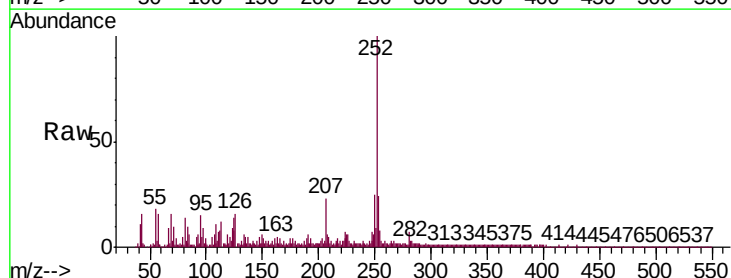
Tgt Ion:252 Resp: 1037084

Ion Ratio Lower Upper

252 100

253 24.3 17.3 25.9

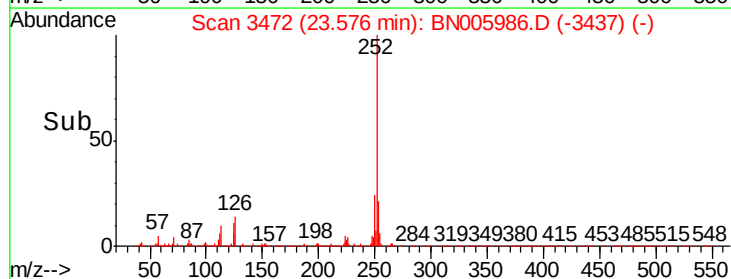
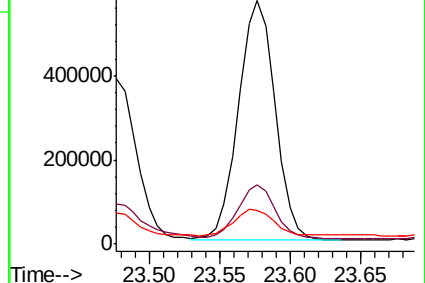
125 14.0 8.6 13.0#

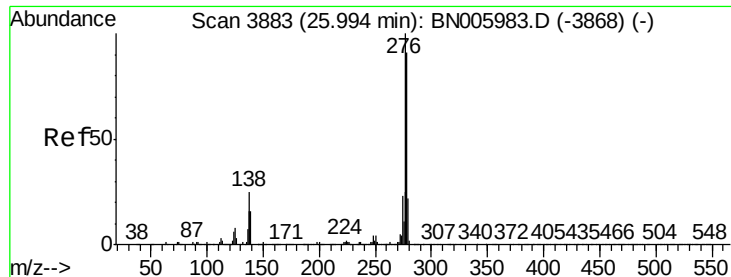


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.497 ng/ul

RT: 26.00 min Scan# 3884

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampleId :

A4258

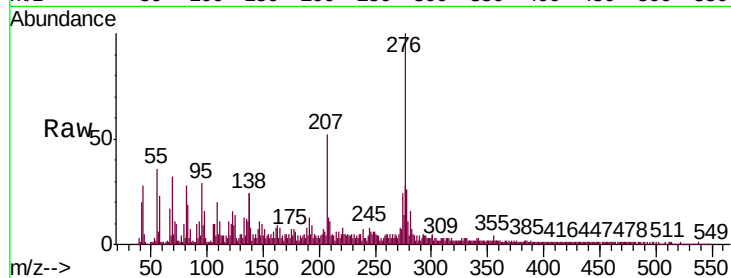
Tgt Ion:276 Resp: 737584

Ion Ratio Lower Upper

276 100

138 24.4 17.9 26.9

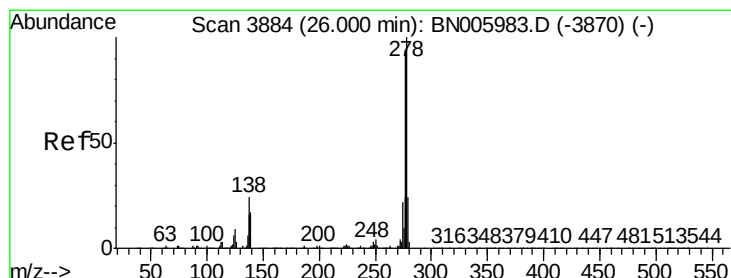
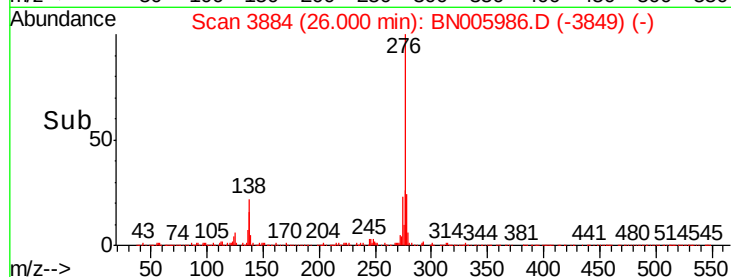
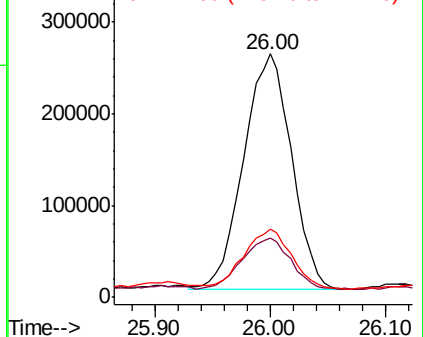
277 28.3 19.7 29.5



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: 2.817 ng/ul

RT: 26.00 min Scan# 3884

Delta R.T. 0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

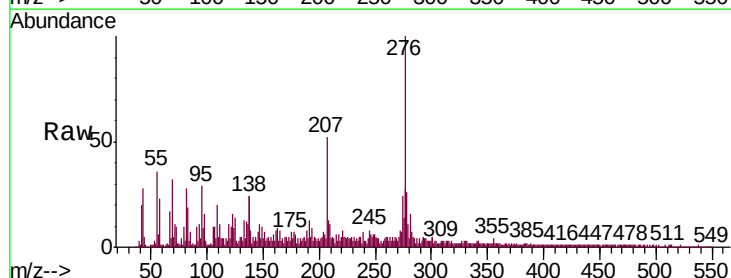
Tgt Ion:278 Resp: 203619

Ion Ratio Lower Upper

278 100

139 32.6 13.1 19.7#

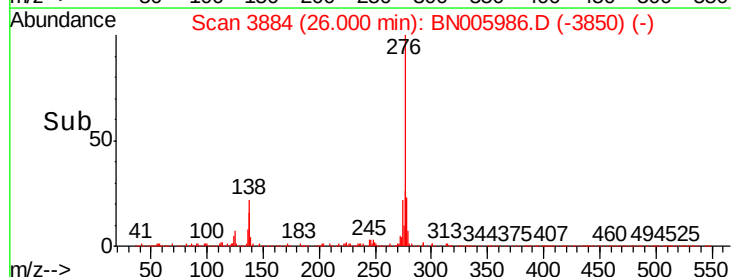
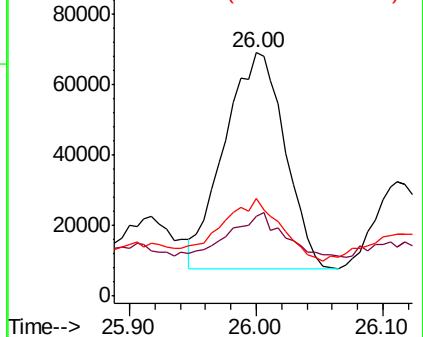
279 40.4 19.4 29.0#

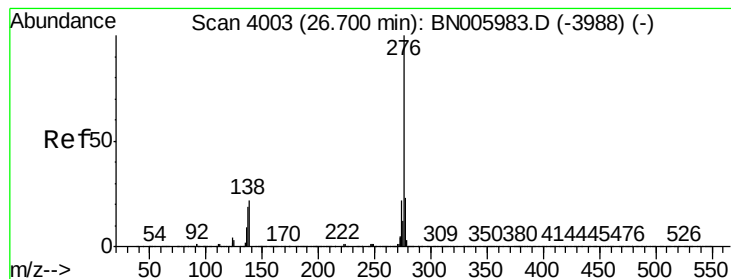


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.612 ng/ul

RT: 26.71 min Scan# 4005

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampleId :

A4258

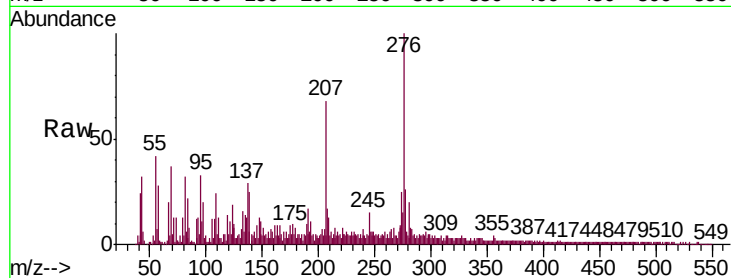
Tgt Ion: 276 Resp: 629656

Ion Ratio Lower Upper

276 100

138 25.0 16.7 25.1

277 26.3 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

