

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100618\
 Data File : BN002972.D
 Acq On : 05 Oct 2018 20:45
 Operator : MJ/SJ
 Sample : J5230-07MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z04MS

Quant Time: Oct 06 03:44:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 02:55:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	153162	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	717422	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	430480	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	954860	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	949809	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	768414	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	13945	4.20	ng/uL	0.00
5) Phenol-d5	6.82	99	342068	26.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	213357	26.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	282503	26.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	273166	27.12	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	149029	26.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	178551	28.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	303943	26.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	297945	22.68	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	962171	28.55	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	1201516	27.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	155974	27.99	ng/ul	0.00
57) Fluorene-d10	15.26	176	850135	28.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	157503	26.37	ng/ul	0.00
70) Anthracene-d10	17.12	188	1299944	28.52	ng/ul	0.00
78) Pyrene-d10	19.42	212	1403563	28.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	1163527	28.77	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.85	94	336515	25.658 ng/ul	95
10) 2-Chlorophenol	7.20	128	249576	23.492 ng/ul	94
15) N-Nitroso-di-n-propylamine	8.43	70	214460	27.497 ng/ul	93
33) 4-Chloro-3-methylphenol	11.71	107	300354	26.734 ng/ul	94
34) 2-Methylnaphthalene	12.07	142	25983	1.005 ng/ul	95
44) Dimethylphthalate	13.73	163	664916	20.218 ng/ul	100
47) Acenaphthylene	13.99	152	97419	2.357 ng/ul	98
49) Acenaphthene	14.33	153	726557	24.813 ng/ul	99
52) 4-Nitrophenol	14.53	109	93200	24.040 ng/ul	93
54) 2,4-Dinitrotoluene	14.66	165	267742	28.564 ng/ul	87
68) Pentachlorophenol	16.69	266	135328	25.407 ng/ul	98
69) Phenanthrene	17.06	178	202886	3.856 ng/ul	99
71) Anthracene	17.15	178	74888	1.404 ng/ul	99
75) Di-n-butylphthalate	17.99	149	127384	2.319 ng/ul	99
76) Fluoranthene	19.09	202	585337	10.430 ng/ul	99
79) Pyrene	19.46	202	2129440	33.908 ng/ul	99
82) Benzo(a)anthracene	21.21	228	267952	4.535 ng/ul	94
84) Chrysene	21.26	228	354936	6.409 ng/ul	99
87) Benzo(b)fluoranthene	22.78	252	462838	9.863 ng/ul#	97
88) Benzo(k)fluoranthene	22.82	252	169527	3.872 ng/ul	98
90) Benzo(a)pyrene	23.34	252	196393	4.427 ng/ul#	97
91) Indeno(1,2,3-cd)pyrene	25.64	276	172923	3.292 ng/ul	98
92) Dibenzo(a,h)anthracene	25.64	278	51256	1.158 ng/ul#	75

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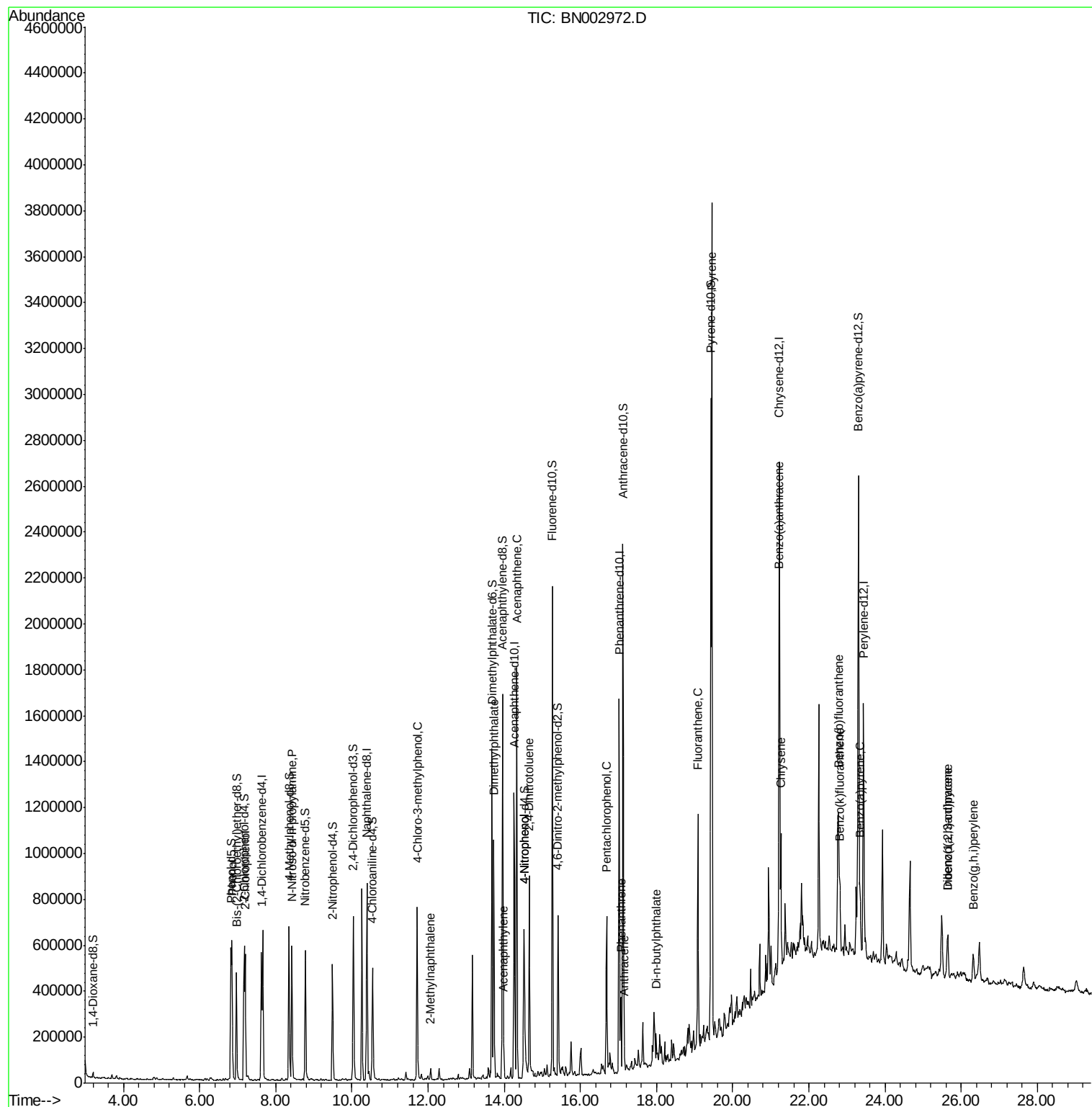
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.32	276	143312	3.264	ng/ul	99

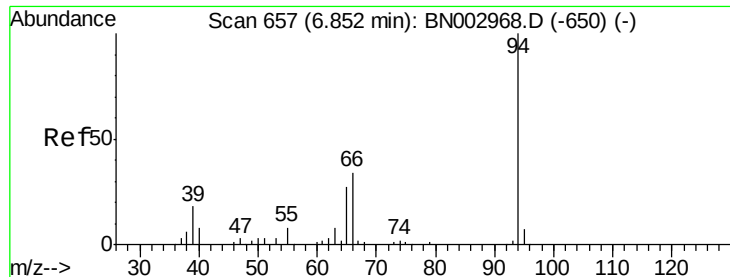
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 25.658 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

A3Z04MS

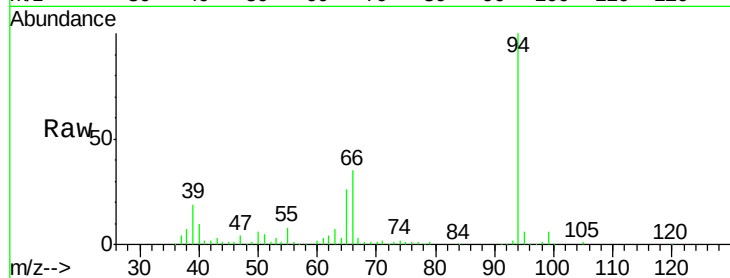
Tgt Ion: 94 Resp: 336515

Ion Ratio Lower Upper

94 100

65 26.1 23.1 34.7

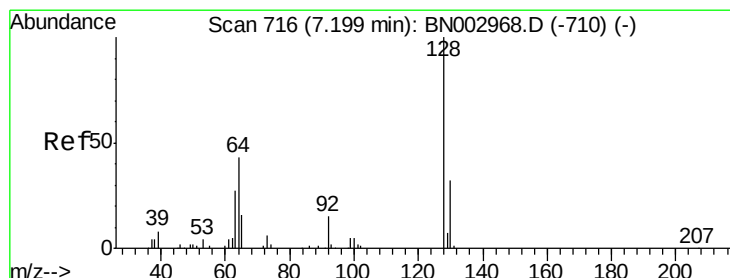
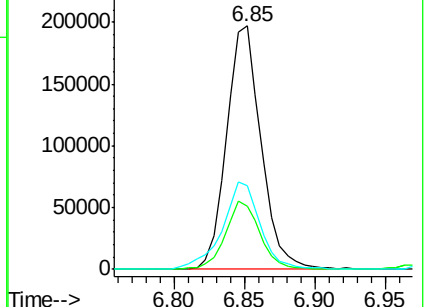
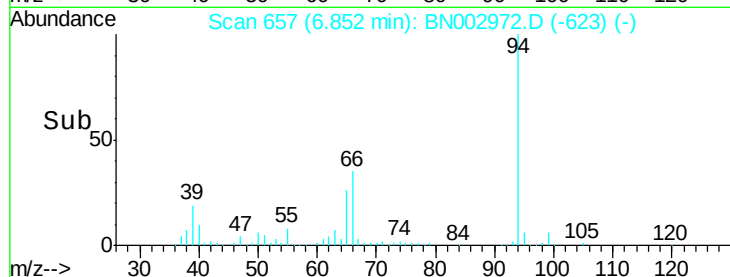
66 34.5 29.8 44.6



Abundance Ion 94.00 (93.70 to 94.70): BN002968.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BN002968.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BN002968.D (-650) (-)



#10

2-Chlorophenol

Concen: 23.492 ng/ul

RT: 7.20 min Scan# 716

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

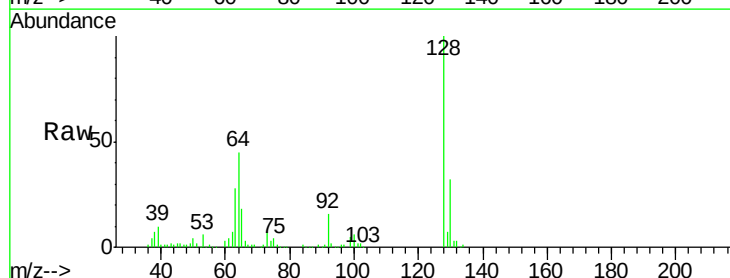
Tgt Ion: 128 Resp: 249576

Ion Ratio Lower Upper

128 100

64 45.0 40.4 60.6

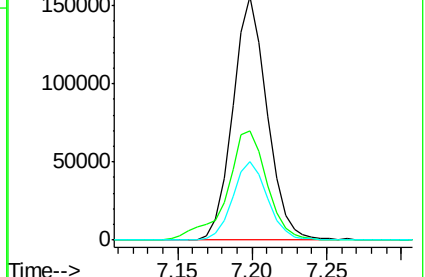
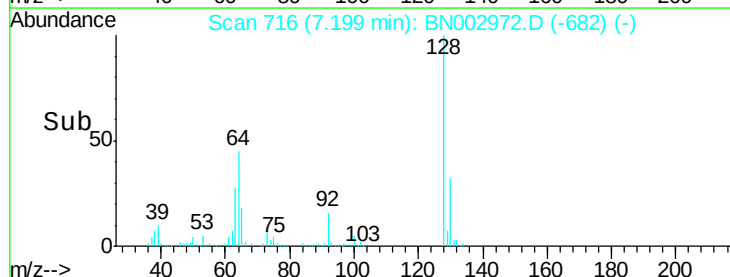
130 32.4 26.8 40.2

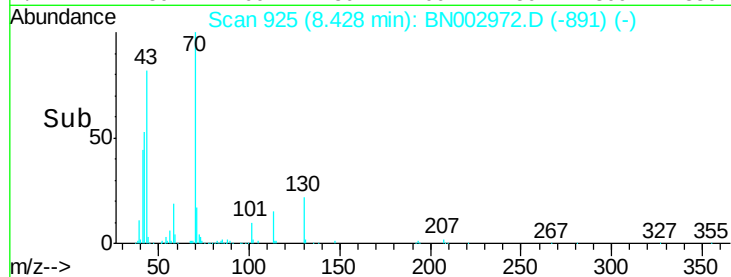
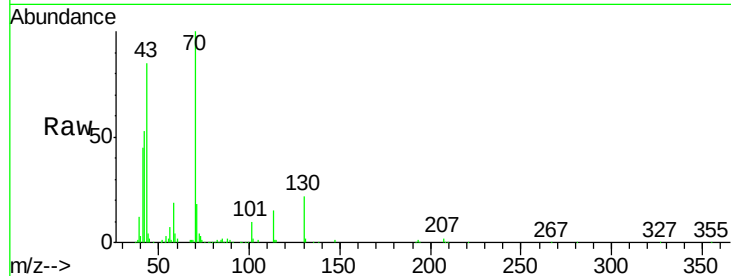
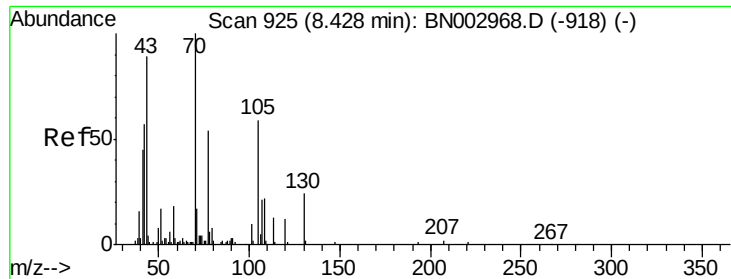


Abundance Ion 128.00 (127.70 to 128.70): BN002968.D (-710) (-)

Ion 64.00 (63.70 to 64.70): BN002968.D (-710) (-)

Ion 130.00 (129.70 to 130.70): BN002968.D (-710) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 27.497 ng/ul

RT: 8.43 min Scan# 925

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

A3Z04MS

Tgt Ion: 70 Resp: 214460

Ion Ratio Lower Upper

70 100

42 53.3 47.7 71.5

101 9.8 8.0 12.0

130 22.2 16.0 24.0

Abundance Ion 70.00 (69.70 to 70.70): BN002968.D (-918) (-)

Ion 42.00 (41.70 to 42.70): BN002968.D (-918) (-)

Ion 101.00 (100.70 to 101.70): BN002968.D (-918) (-)

Ion 130.00 (129.70 to 130.70): BN002968.D (-918) (-)

Time-->

8.35 8.40 8.45 8.50

200000

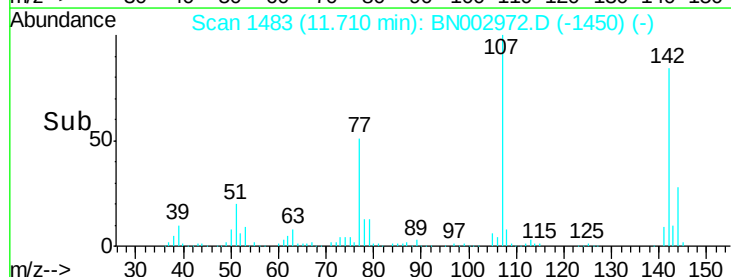
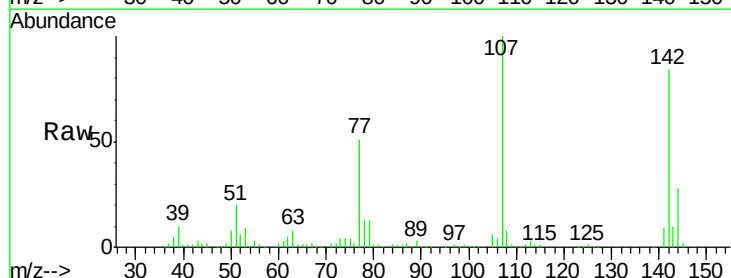
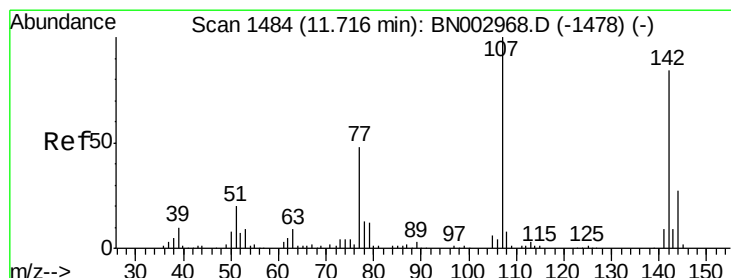
150000

100000

50000

0

8.43



#33

4-Chloro-3-methylphenol

Concen: 26.734 ng/ul

RT: 11.71 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Tgt Ion: 107 Resp: 300354

Ion Ratio Lower Upper

107 100

144 27.5 20.2 30.4

142 83.9 62.9 94.3

Abundance Ion 107.00 (106.70 to 107.70): BN002968.D (-1478) (-)

Ion 144.00 (143.70 to 144.70): BN002968.D (-1478) (-)

Ion 142.00 (141.70 to 142.70): BN002968.D (-1478) (-)

Time-->

11.70 11.80

200000

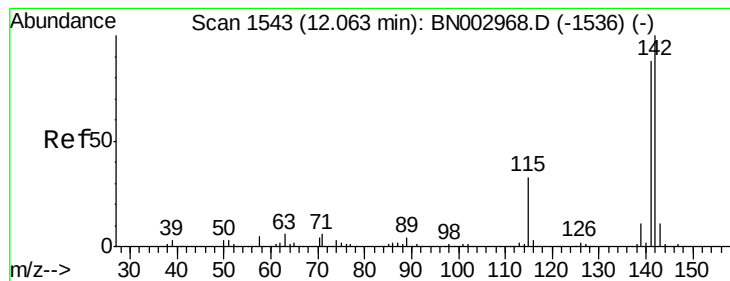
150000

100000

50000

0

11.71



#34

2-Methylnaphthalene

Concen: 1.005 ng/ul

RT: 12.07 min Scan# 1544

Delta R.T. 0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

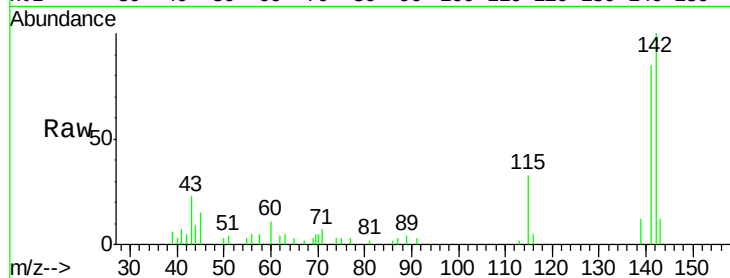
A3Z04MS

Tgt Ion:142 Resp: 25983

Ion Ratio Lower Upper

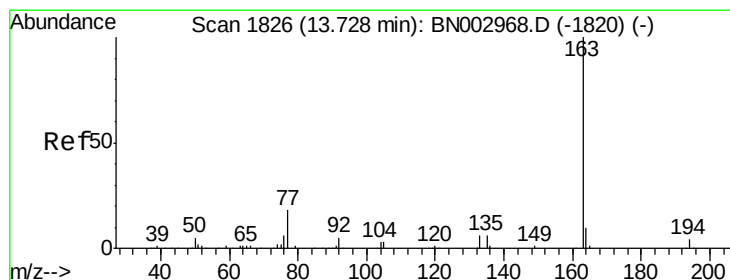
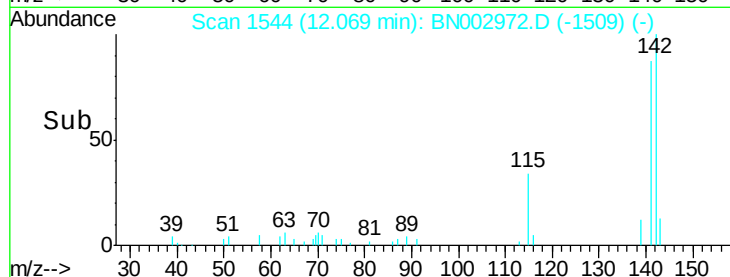
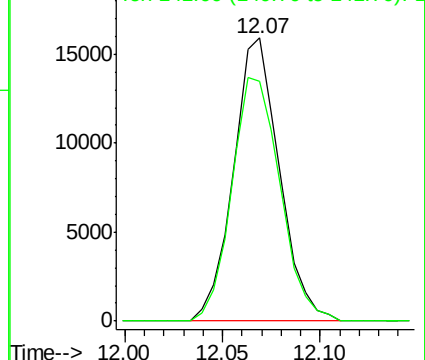
142 100

141 84.8 71.8 107.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 20.218 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

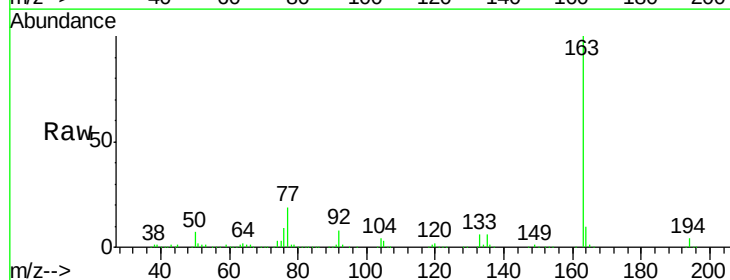
Tgt Ion:163 Resp: 664916

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

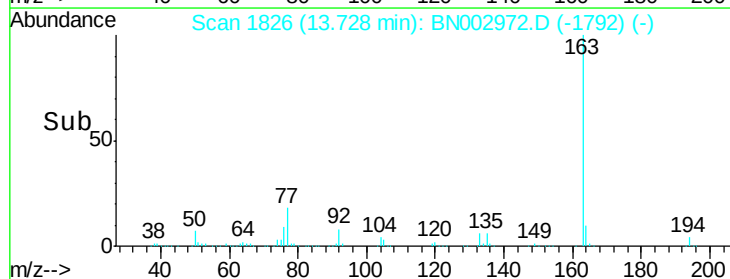
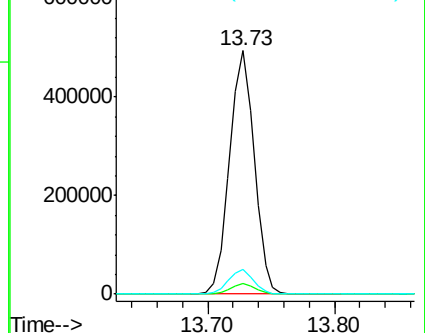
164 10.0 8.1 12.1

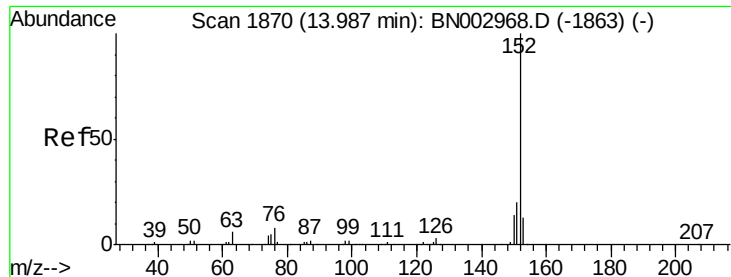


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 2.357 ng/ul

RT: 13.99 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

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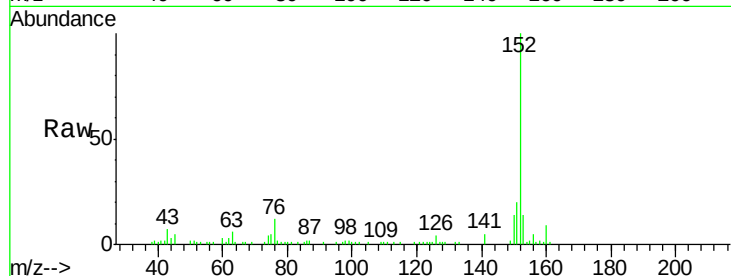
Tgt Ion:152 Resp: 97419

Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

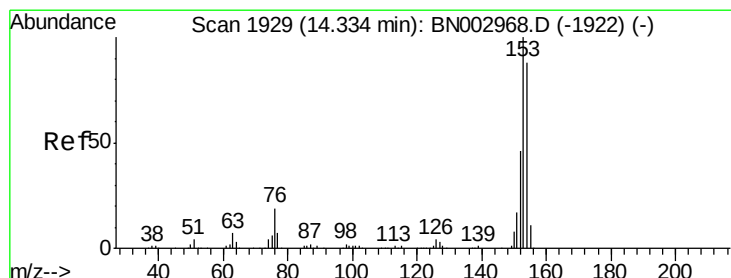
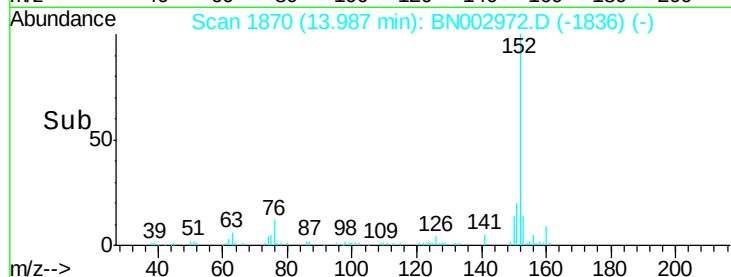
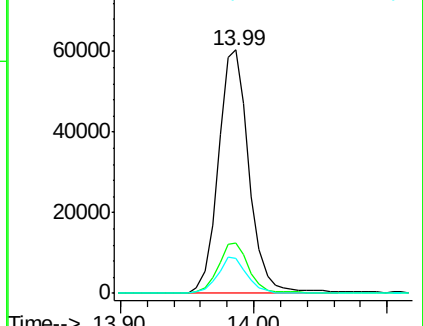
153 14.3 10.6 16.0



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: 24.813 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

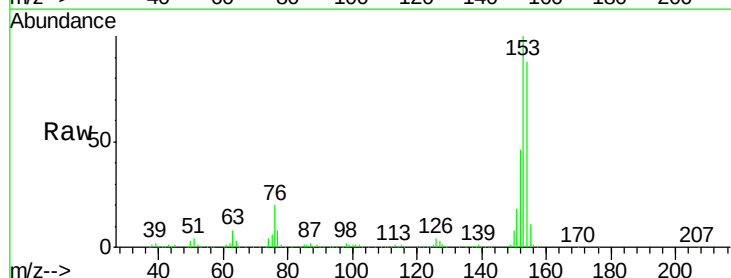
Tgt Ion:153 Resp: 726557

Ion Ratio Lower Upper

153 100

152 45.7 37.8 56.6

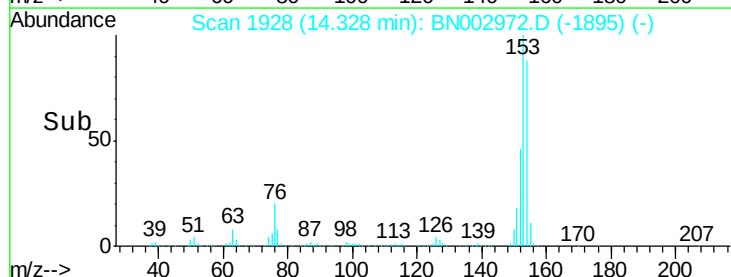
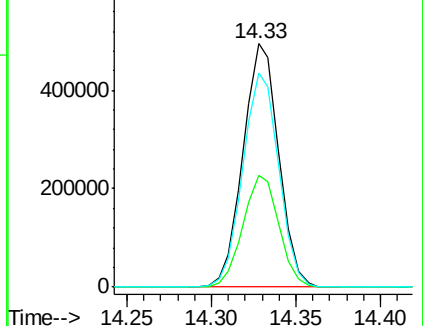
154 87.8 70.9 106.3

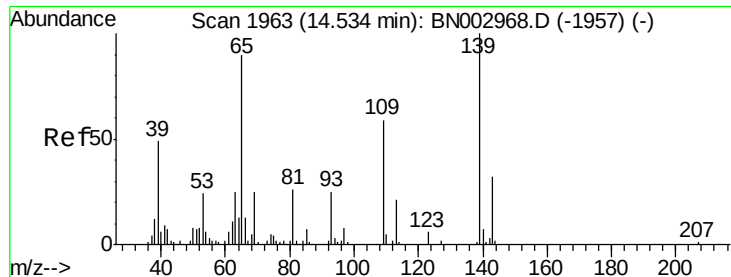


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 24.040 ng/ul

RT: 14.53 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BN002972.D

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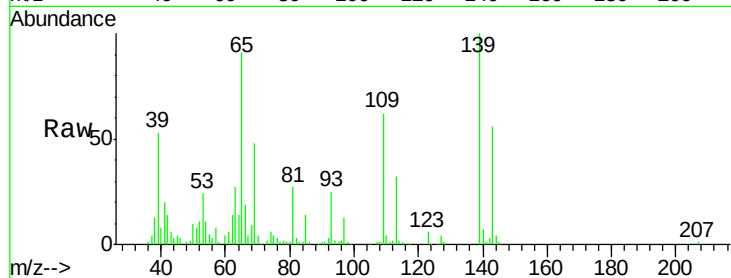
Tgt Ion:109 Resp: 93200

Ion Ratio Lower Upper

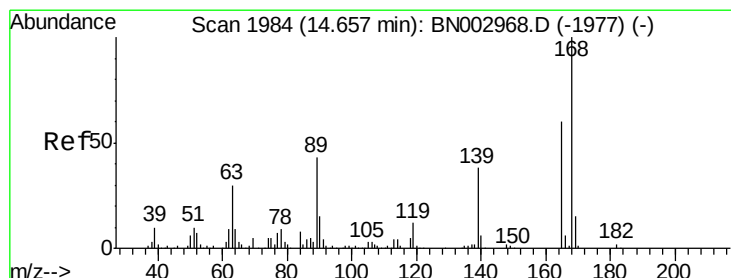
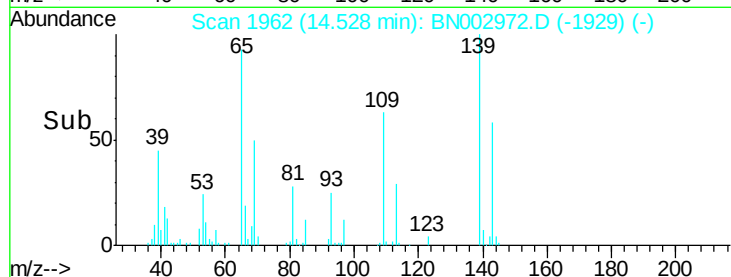
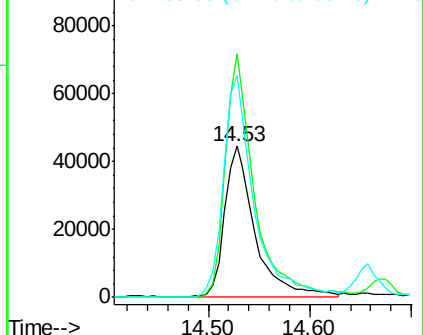
109 100

139 161.3 116.5 174.7

65 147.3 116.7 175.1



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BNC



#54

2,4-Dinitrotoluene

Concen: 28.564 ng/ul

RT: 14.66 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

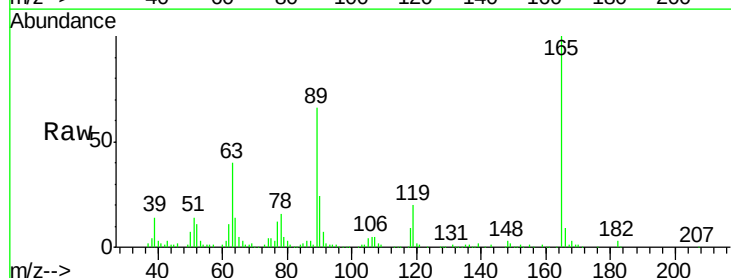
Tgt Ion:165 Resp: 267742

Ion Ratio Lower Upper

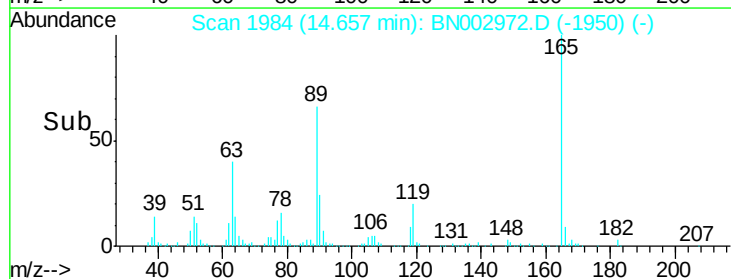
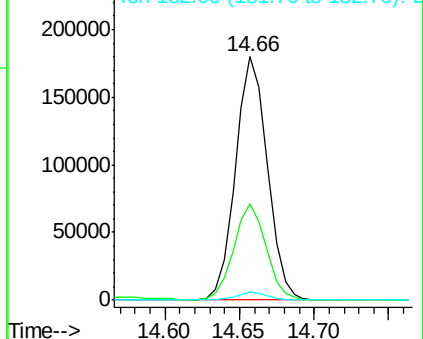
165 100

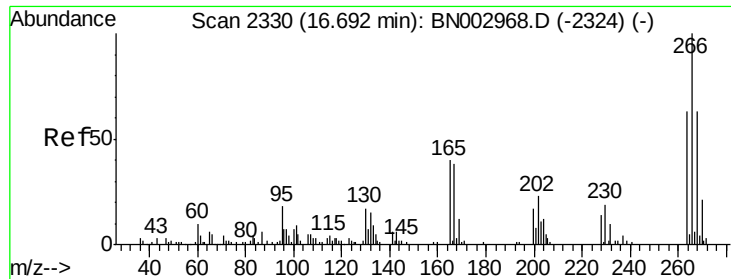
63 39.5 39.0 58.6

182 3.1 2.4 3.6



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 182.00 (181.70 to 182.70): E





#68

Pentachlorophenol

Concen: 25.407 ng/ul

RT: 16.69 min Scan# 2329

Delta R.T. -0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

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A3Z04MS

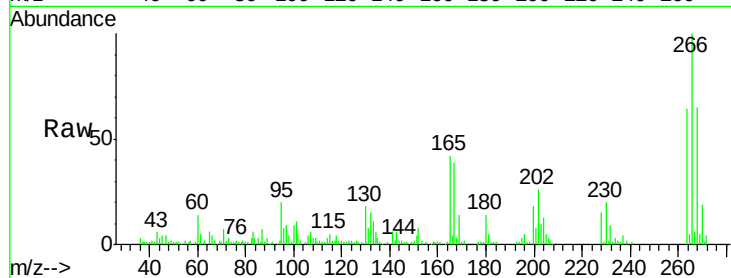
Tgt Ion:266 Resp: 135328

Ion Ratio Lower Upper

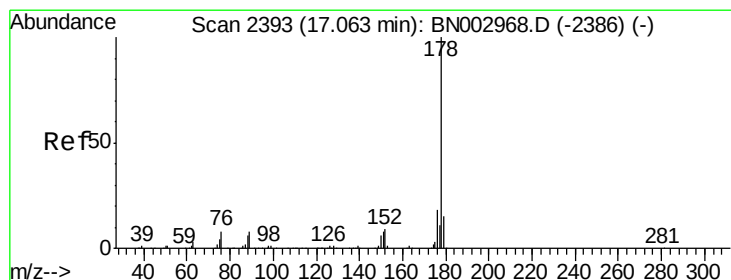
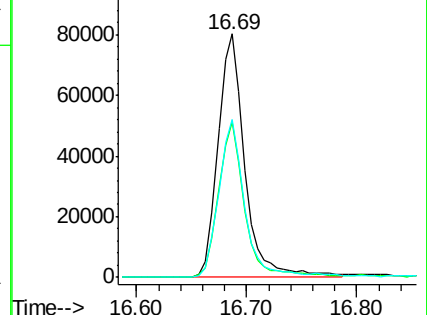
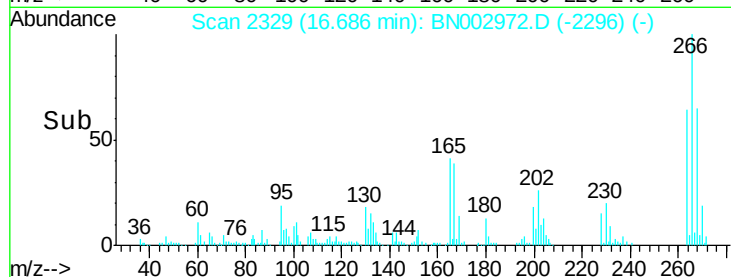
266 100

264 64.0 49.9 74.9

268 65.0 52.6 79.0



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



#69

Phenanthrene

Concen: 3.856 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

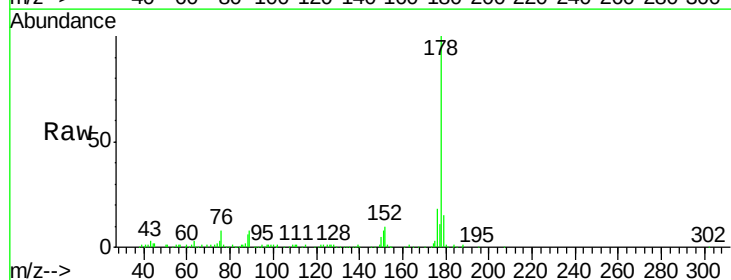
Tgt Ion:178 Resp: 202886

Ion Ratio Lower Upper

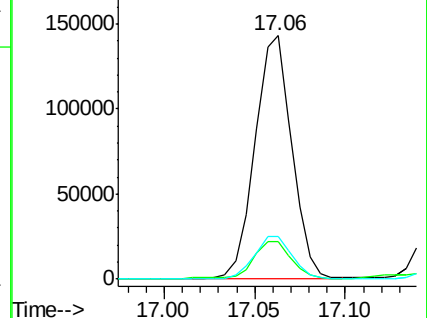
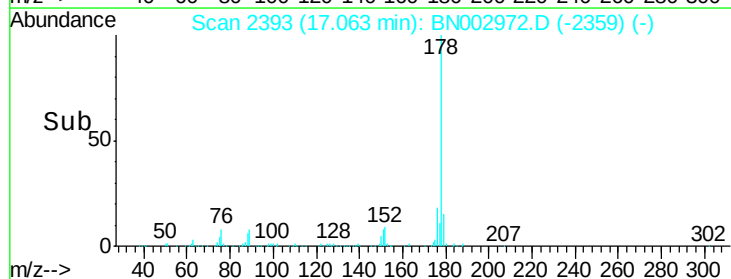
178 100

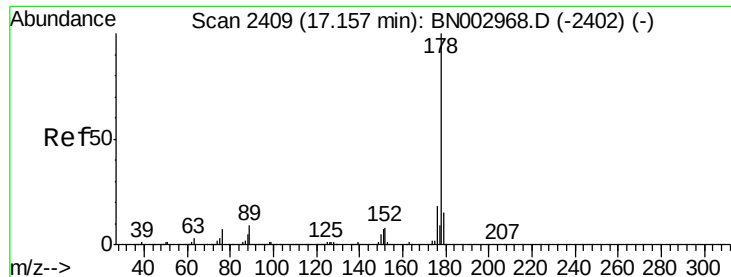
179 15.2 12.2 18.4

176 17.8 15.0 22.6



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

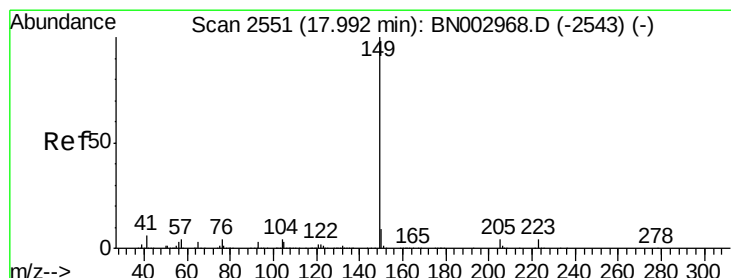
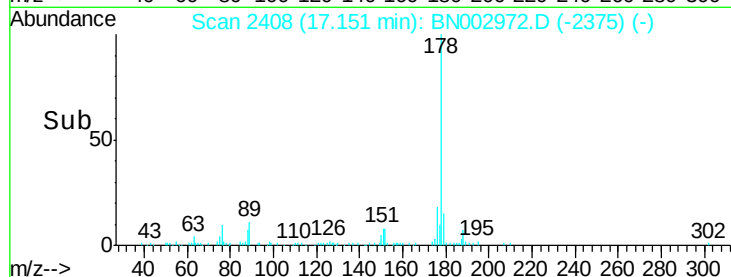
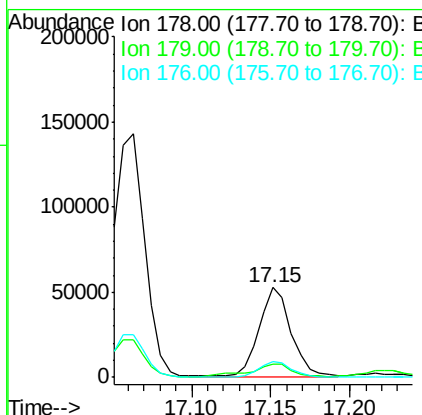
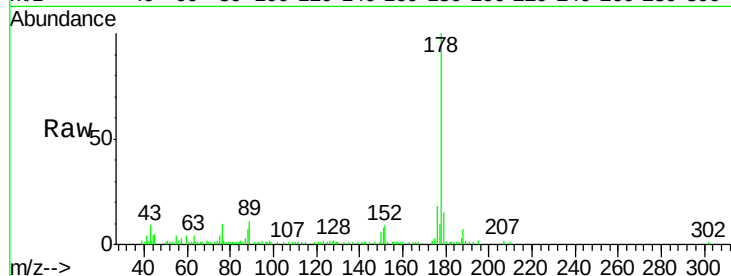




#71
 Anthracene
 Concen: 1.404 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BN002972.D
 Acq: 05 Oct 2018 20:45

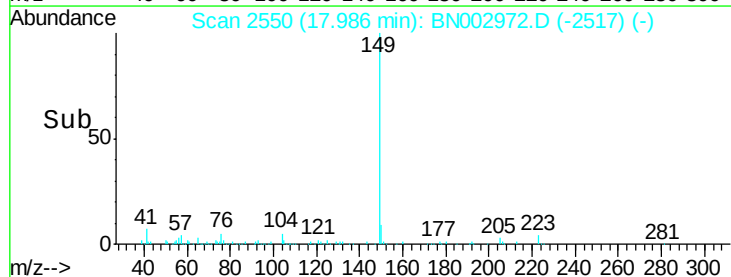
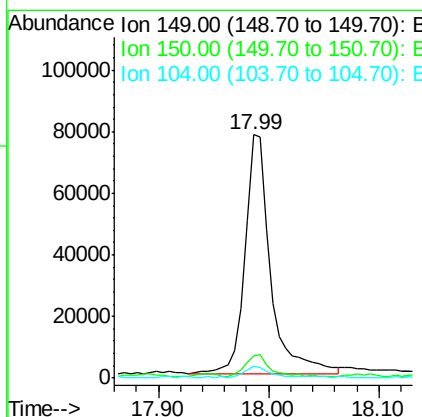
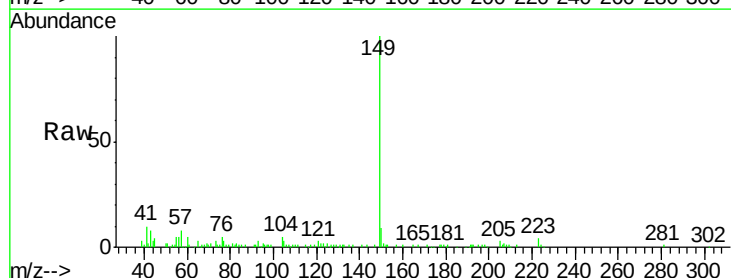
Instrument :
 BNA_N
 ClientSampleId :
 A3Z04MS

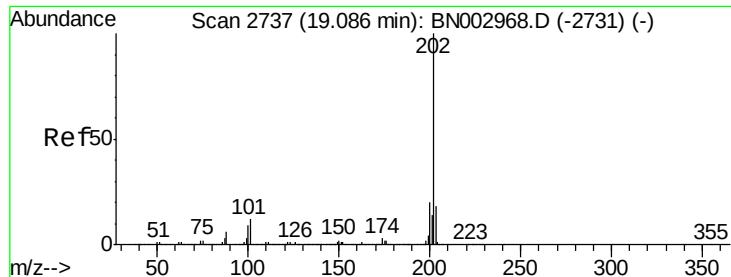
Tgt Ion:178 Resp: 74888
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.0 18.0
 176 17.7 15.0 22.4



#75
 Di-n-butylphthalate
 Concen: 2.319 ng/ul
 RT: 17.99 min Scan# 2550
 Delta R.T. -0.01 min
 Lab File: BN002972.D
 Acq: 05 Oct 2018 20:45

Tgt Ion:149 Resp: 127384
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 5.1 3.7 5.5





#76

Fluoranthene

Concen: 10.430 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

A3Z04MS

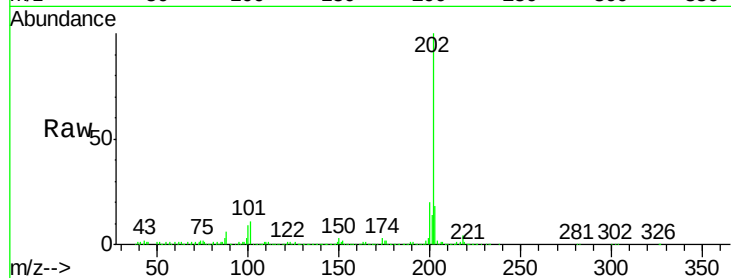
Tgt Ion:202 Resp: 585337

Ion Ratio Lower Upper

202 100

101 11.4 9.4 14.2

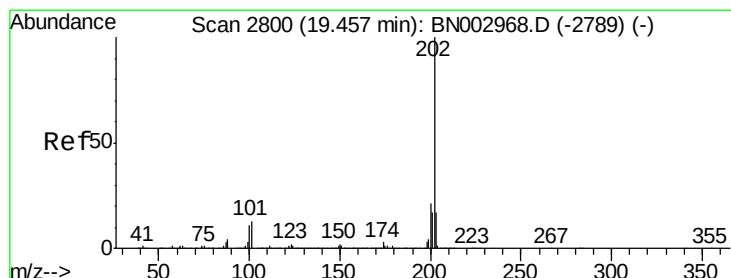
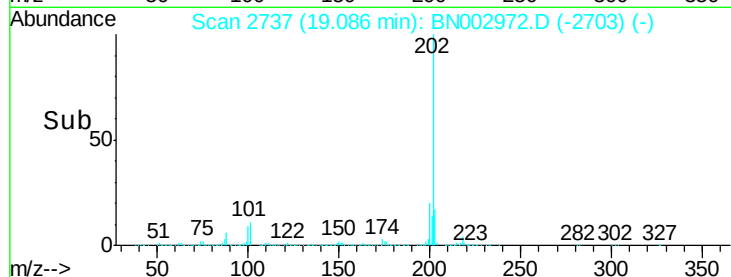
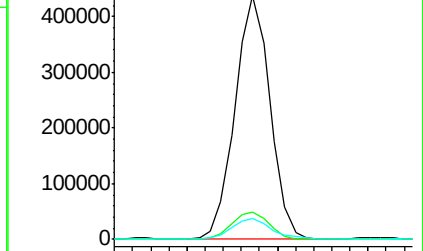
100 8.7 7.0 10.6



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: 33.908 ng/ul

RT: 19.46 min Scan# 2800

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

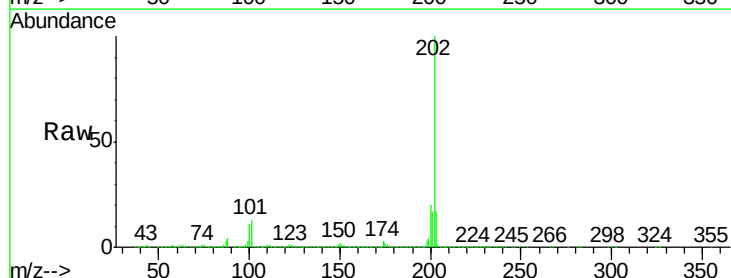
Tgt Ion:202 Resp: 2129440

Ion Ratio Lower Upper

202 100

101 13.3 10.8 16.2

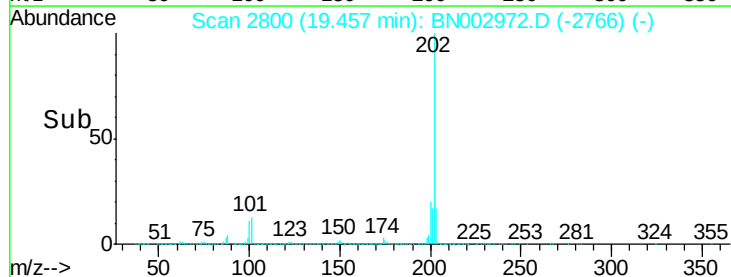
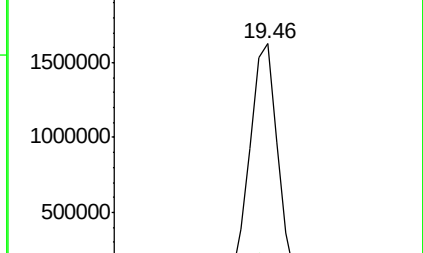
100 10.8 8.2 12.2

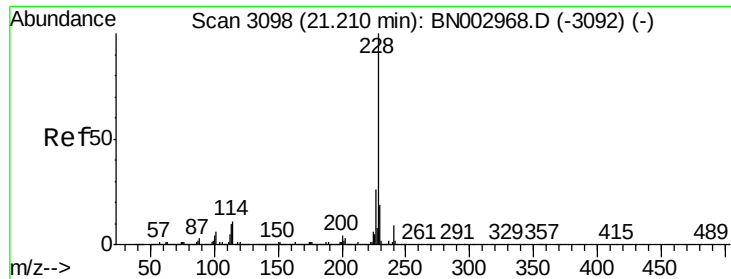


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 4.535 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

A3Z04MS

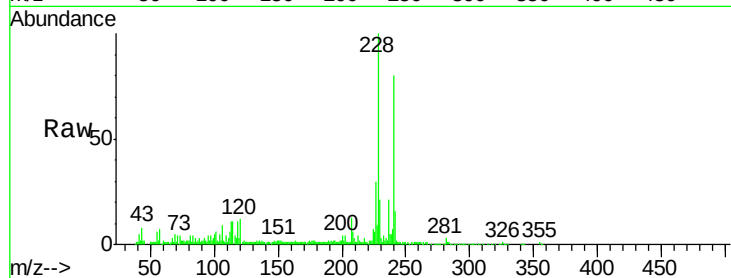
Tgt Ion:228 Resp: 267952

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.6

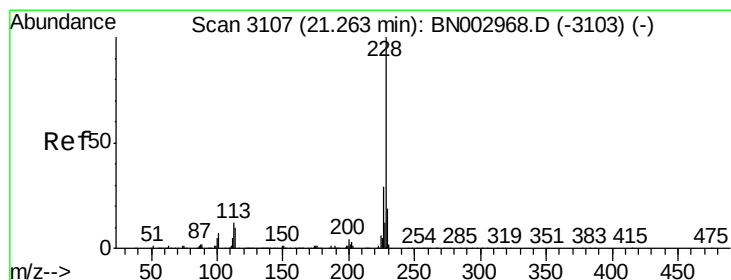
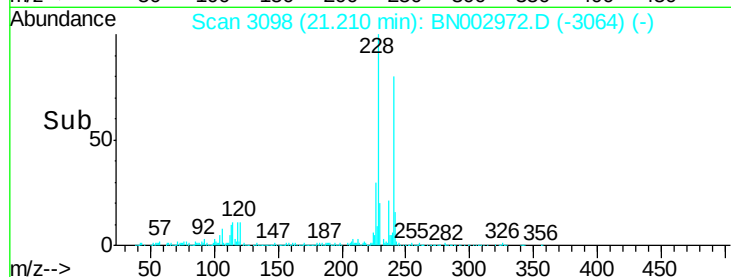
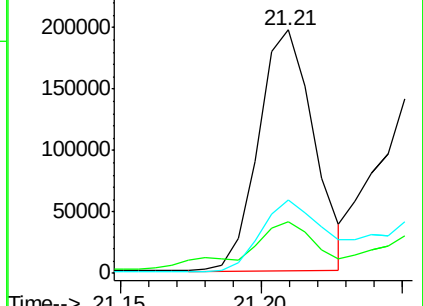
226 30.2 20.9 31.3



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: 6.409 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

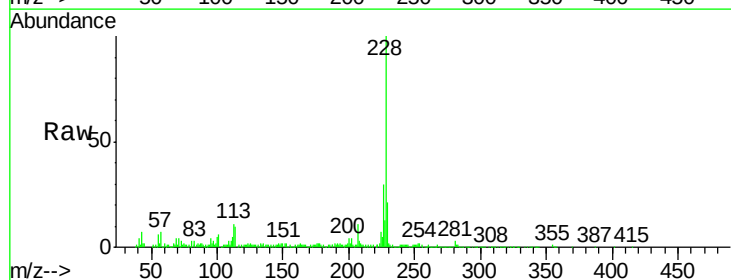
Tgt Ion:228 Resp: 354936

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

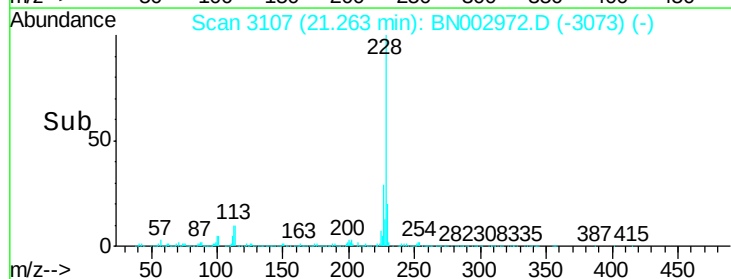
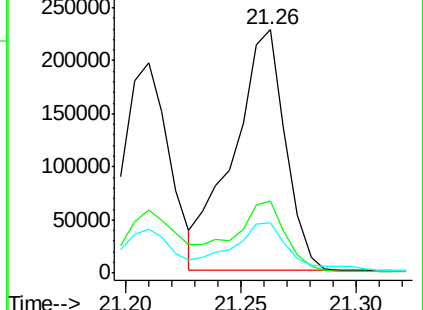
229 20.5 15.7 23.5

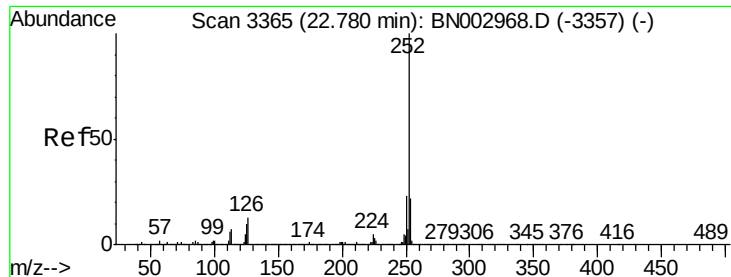


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 9.863 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

A3Z04MS

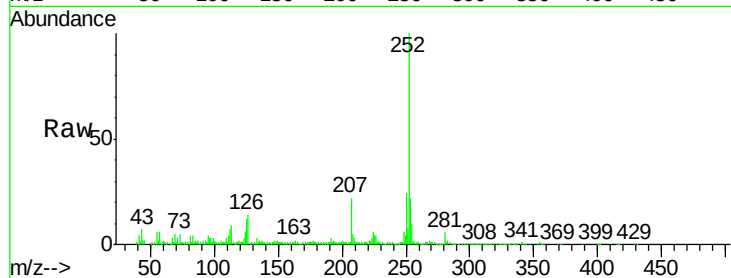
Tgt Ion:252 Resp: 462838

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

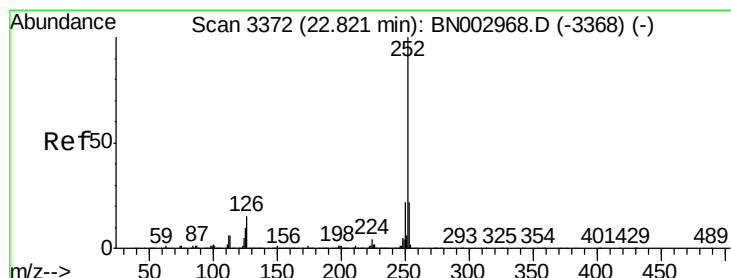
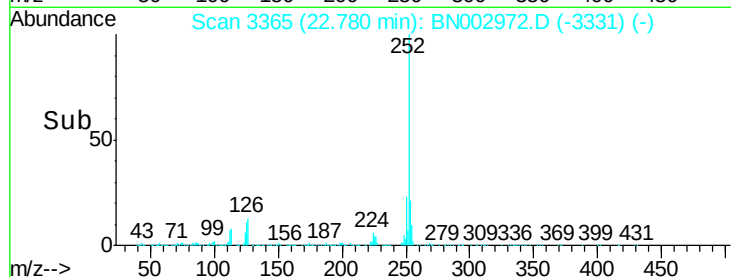
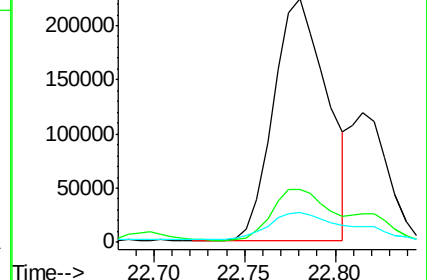
125 12.1 8.0 12.0#



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(k)fluoranthene

Concen: 3.872 ng/ul

RT: 22.82 min Scan# 3371

Delta R.T. -0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

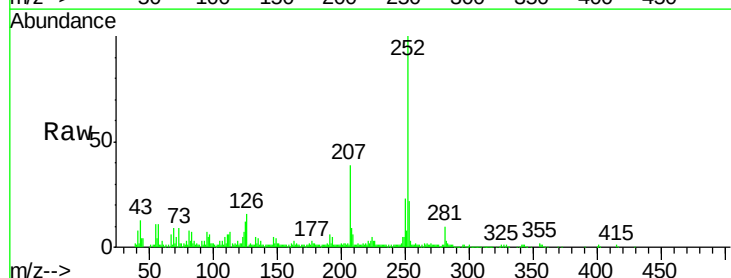
Tgt Ion:252 Resp: 169527

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

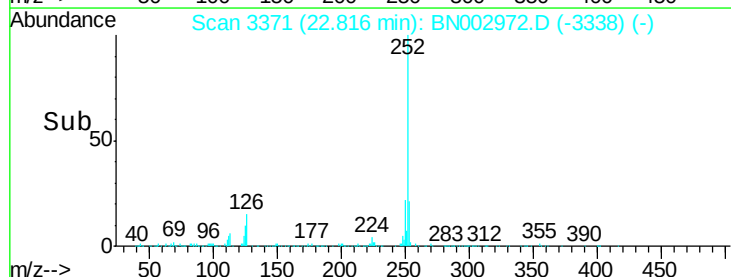
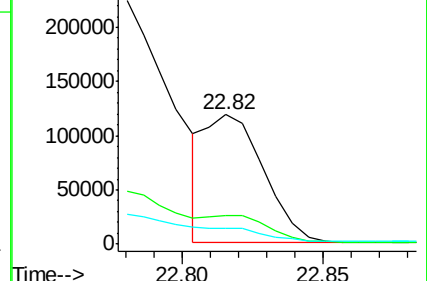
125 12.4 8.3 12.5

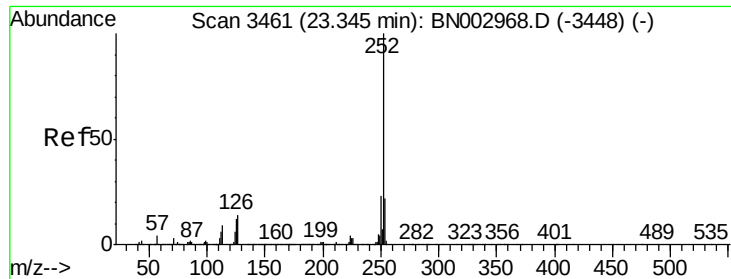


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.427 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampled :

A3Z04MS

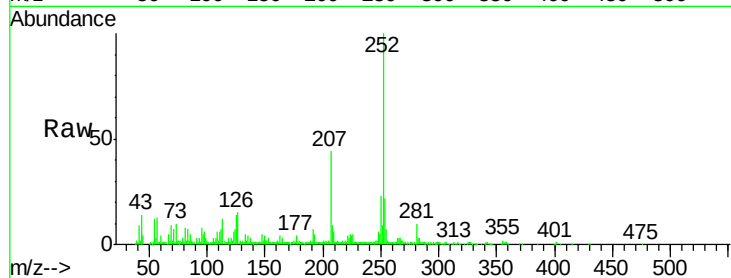
Tgt Ion:252 Resp: 196393

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

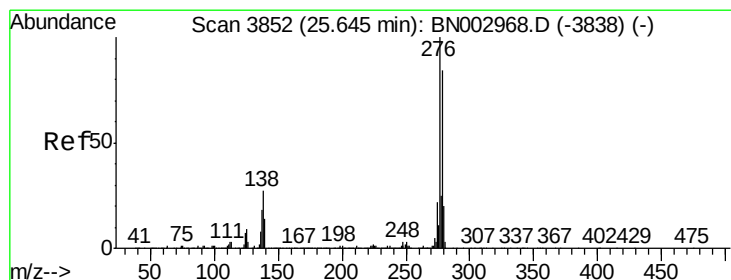
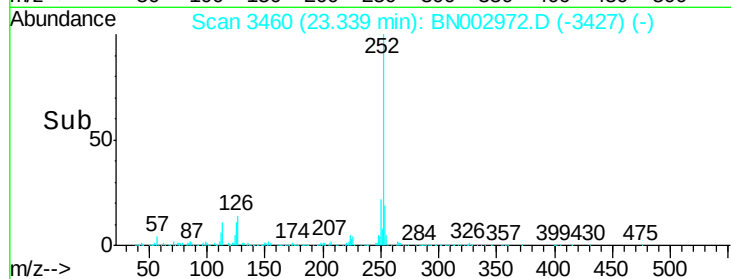
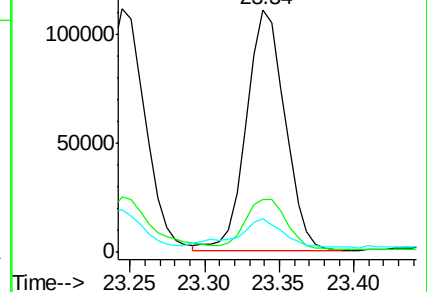
125 13.7 8.8 13.2#



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: 3.292 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

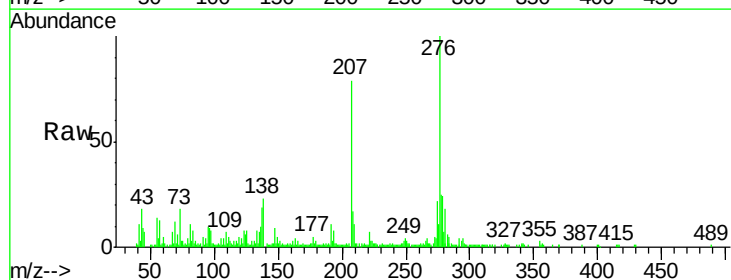
Tgt Ion:276 Resp: 172923

Ion Ratio Lower Upper

276 100

138 23.4 20.2 30.4

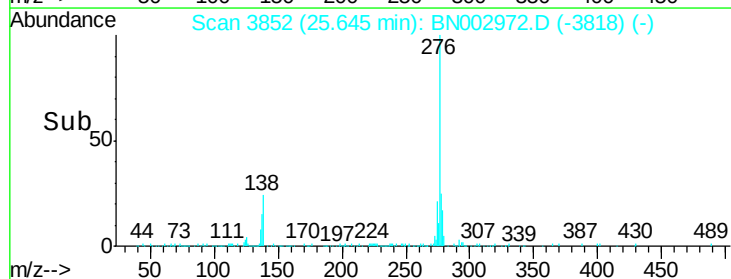
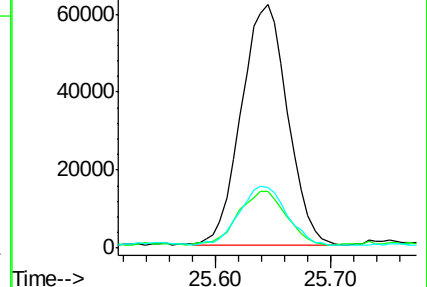
277 25.1 20.0 30.0

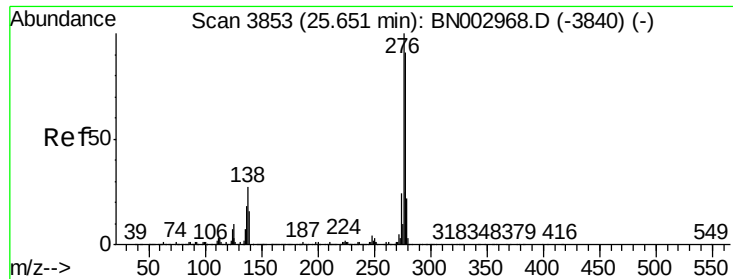


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.158 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. -0.01 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Instrument :

BNA_N

ClientSampleId :

A3Z04MS

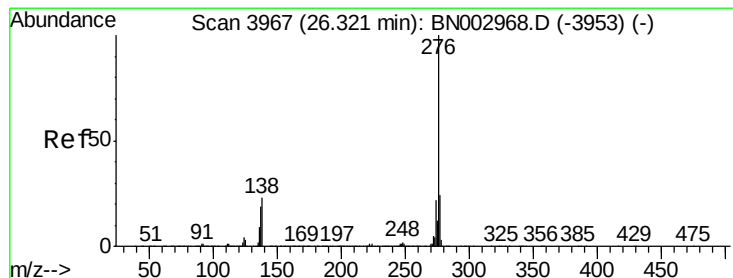
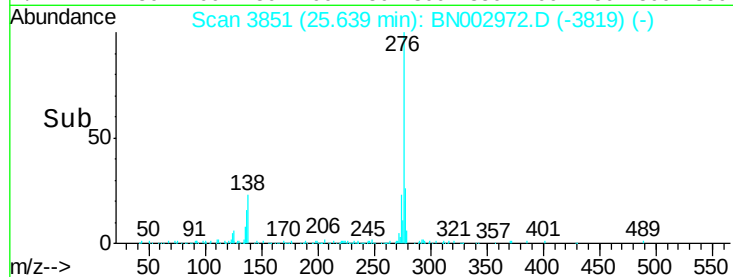
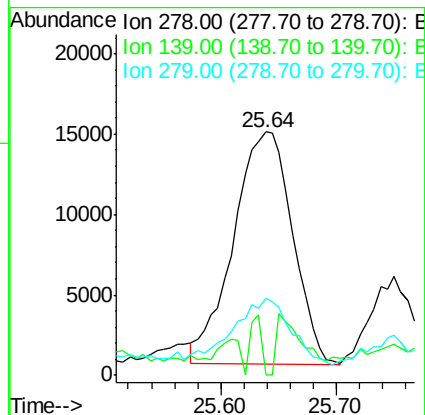
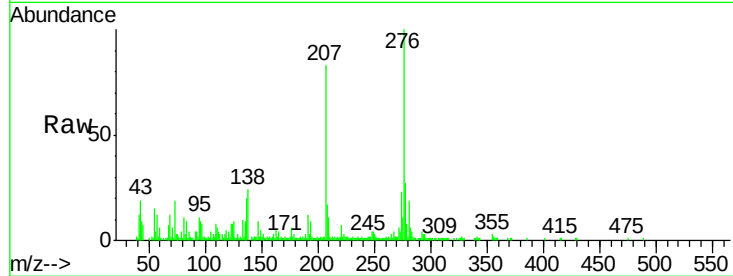
Tgt Ion:278 Resp: 51256

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

279 31.7 18.7 28.1#



#93

Benzo(g,h,i)perylene

Concen: 3.264 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. -0.00 min

Lab File: BN002972.D

Acq: 05 Oct 2018 20:45

Tgt Ion:276 Resp: 143312

Ion Ratio Lower Upper

276 100

138 23.0 18.2 27.2

277 23.9 18.6 28.0

