

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002967.D
 Acq On : 05 Oct 2018 15:27
 Operator : MJ/SJ
 Sample : J5183-14DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:10:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	138039	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	612156	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	357143	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	717428	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	534446	20.00	ng/ul	0.02
85) Perylene-d12	23.47	264	540676	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	4033	1.35	ng/uL	0.00
5) Phenol-d5	6.83	99	111562	9.52	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.97	67	75958	10.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	92958	9.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	91400	10.07	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	62269	13.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	52843	9.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	97260	10.04	ng/ul	0.02
29) 4-Chloroaniline-d4	10.55	131	41078	3.67	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	298551	10.68	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	391721	10.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	2992	0.65	ng/ul	0.00
57) Fluorene-d10	15.27	176	268817	10.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	2979	0.66	ng/ul	-0.04
70) Anthracene-d10	17.02	188	717428	20.95	ng/ul	-0.09
78) Pyrene-d10	19.43	212	334356	11.86	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.33	264	306802	10.78	ng/ul	0.04

Target Compounds

					Ovalue	
4) Benzaldehyde	6.78	77	18339	2.862	ng/ul#	1
6) Phenol	6.86	94	12706	1.075	ng/ul#	1
14) Acetophenone	8.42	105	491813	35.162	ng/ul#	31
15) N-Nitroso-di-n-propylamine	8.38	70	8868	1.262	ng/ul#	68
17) Hexachloroethane	8.72	117	228847	59.451	ng/ul#	5
20) Nitrobenzene	8.80	77	30901	2.804	ng/ul#	5
24) 2,4-Dimethylphenol	9.60	107	20348	1.857	ng/ul#	40
28) Naphthalene	10.45	128	157059	4.978	ng/ul#	66
32) Caprolactam	11.32	113	4475	1.550	ng/ul#	1
34) 2-Methylnaphthalene	12.07	142	225543	10.227	ng/ul	97
44) Dimethylphthalate	13.73	163	169126	6.199	ng/ul	98
64) N-Nitrosodiphenylamine	15.54	169	44891	2.016	ng/ul#	54
69) Phenanthrene	17.07	178	120316	3.044	ng/ul#	85
75) Di-n-butylphthalate	18.00	149	815446	19.760	ng/ul	98
76) Fluoranthene	19.10	202	178554	4.234	ng/ul	97
79) Pyrene	19.46	202	273016	7.726	ng/ul	98
80) Butylbenzylphthalate	20.37	149	378467	25.739	ng/ul	97
82) Benzo(a)anthracene	21.22	228	78173	2.351	ng/ul#	71
83) Bis(2-ethylhexyl)phthalate	21.16	149	732202	34.300	ng/ul#	96
84) Chrysene	21.27	228	153526	4.927	ng/ul#	89
87) Benzo(b)fluoranthene	22.80	252	213780	6.474	ng/ul#	33
88) Benzo(k)fluoranthene	22.80	252	213780	6.940	ng/ul#	36
90) Benzo(a)pyrene	23.37	252	126833	4.063	ng/ul#	43

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QLast Update : Sat Oct 06 01:07:30 2018
Response via : Initial Calibration

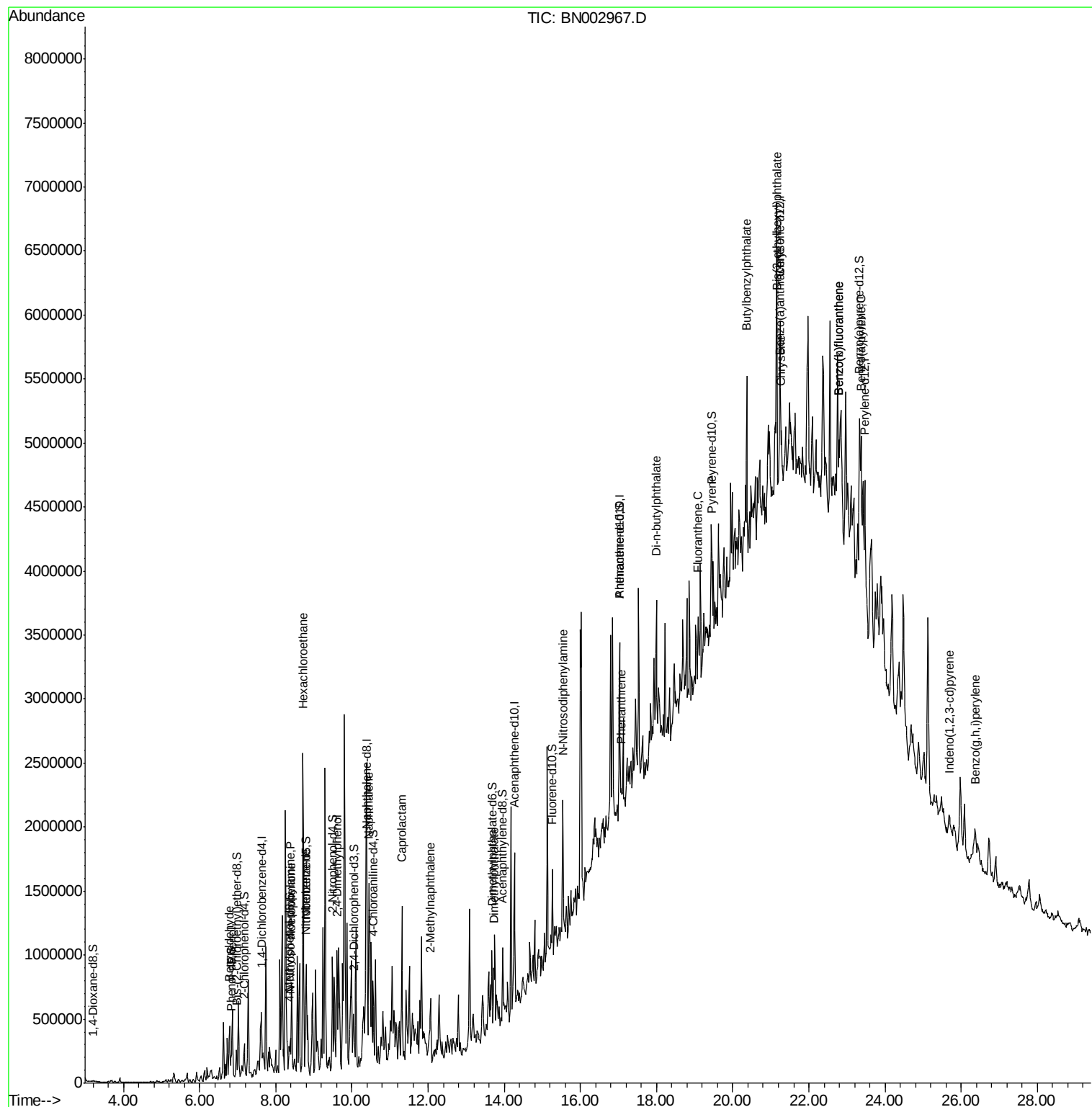
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.69	276	123976	3.355	ng/ul#	90
93) Benzo(q,h,i)perylene	26.37	276	195332	6.323	ng/ul#	91

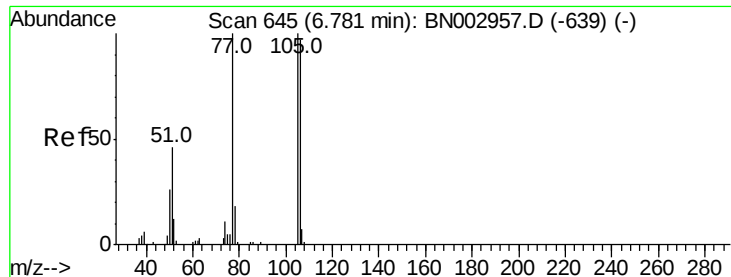
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.862 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. -0.00 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

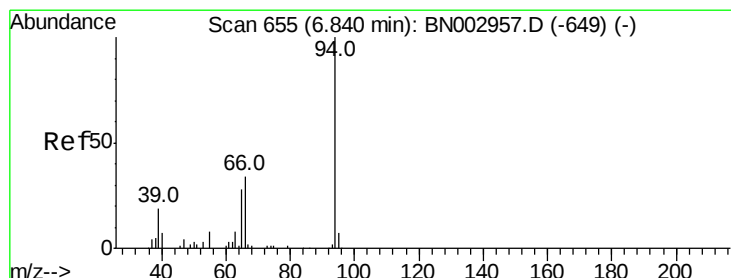
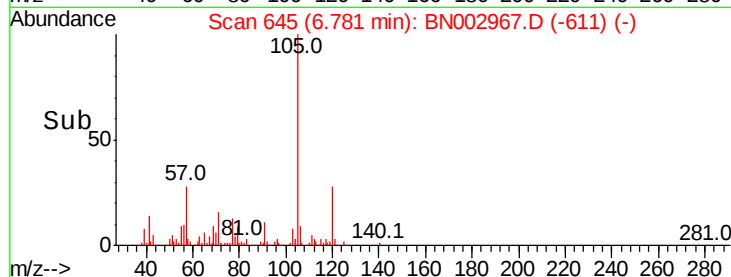
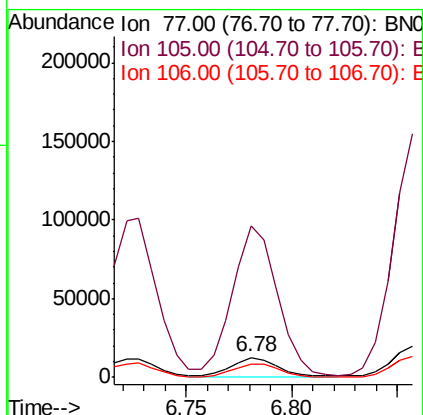
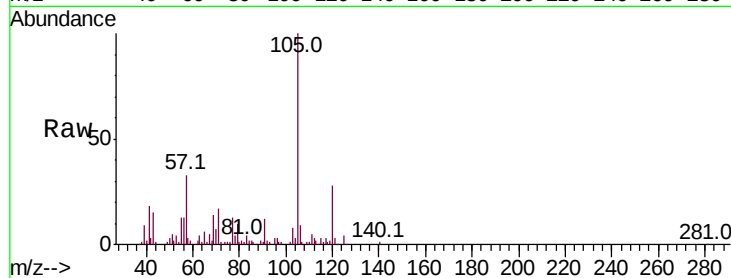
Tot Ion: 77 Resp: 18339

Ion Ratio Lower Upper

77 100

105 758.9 76.2 114.4#

106 67.6 74.2 111.2#



#6

Phenol

Concen: 1.075 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. 0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

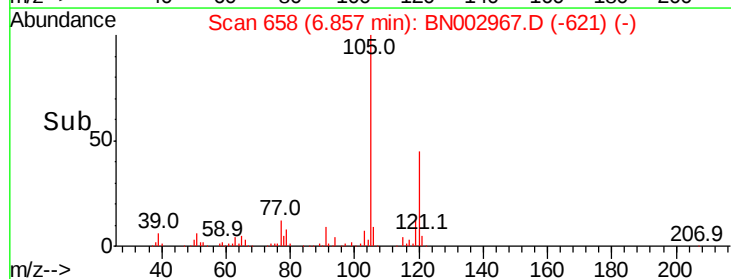
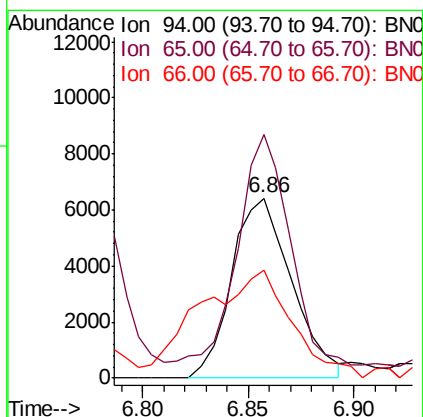
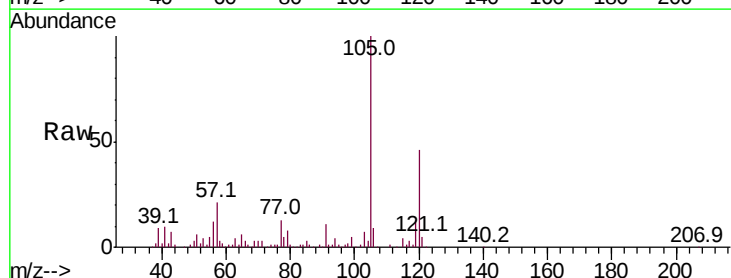
Tgt Ion: 94 Resp: 12706

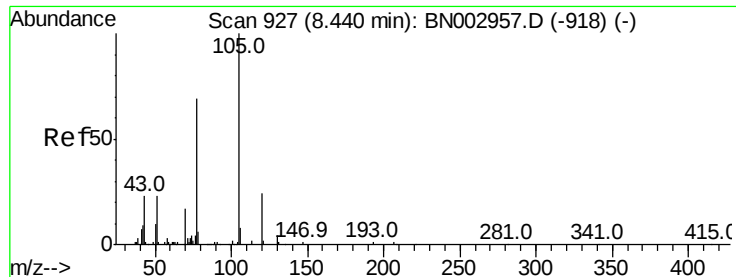
Ion Ratio Lower Upper

94 100

65 135.4 23.1 34.7#

66 60.3 29.8 44.6#





#14

Acetophenone

Concen: 35.162 ng/ul

RT: 8.42 min Scan# 923

Delta R.T. -0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

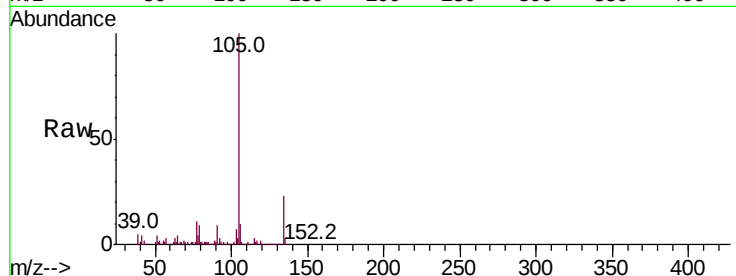
Tot Ion:105 Resp: 491813

Ion Ratio Lower Upper

105 100

77 10.7 62.9 94.3#

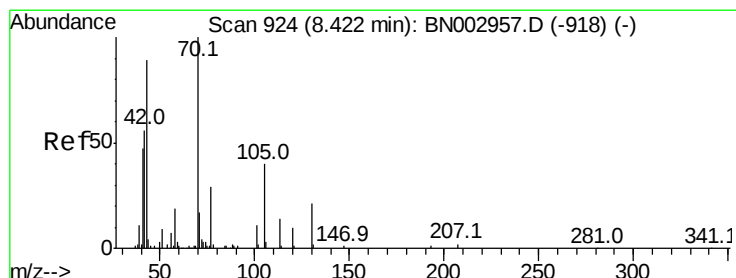
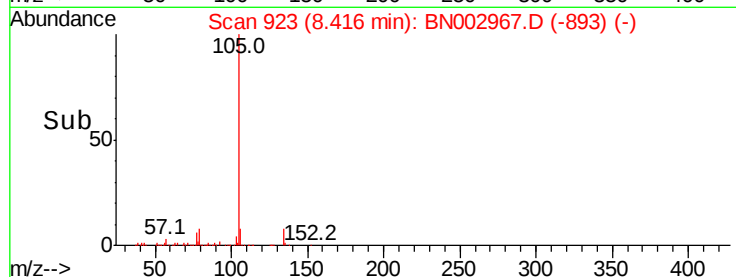
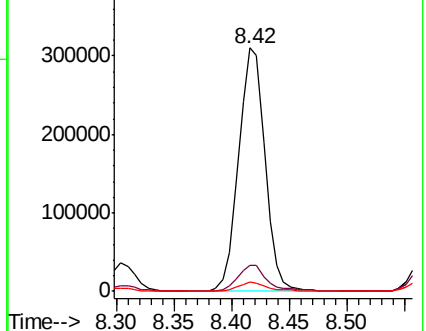
51 3.7 21.9 32.9#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#15

N-Nitroso-di-n-propylamine

Concen: 1.262 ng/ul

RT: 8.38 min Scan# 917

Delta R.T. -0.04 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Tgt Ion: 70 Resp: 8868

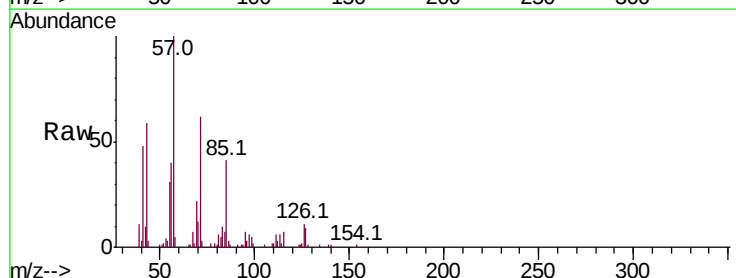
Ion Ratio Lower Upper

70 100

42 81.0 47.7 71.5#

101 0.0 8.0 12.0#

130 0.0 16.0 24.0#

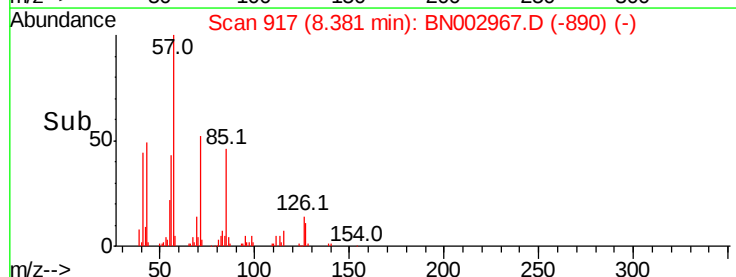
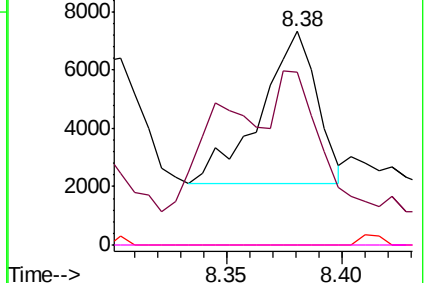


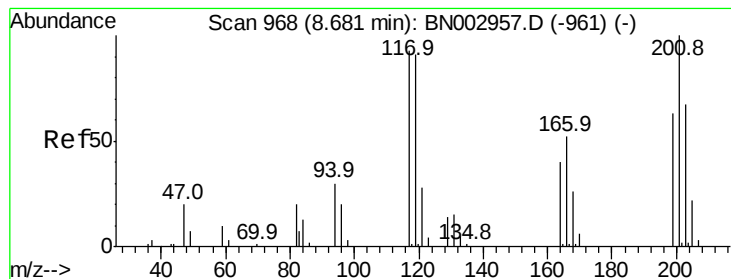
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): BNC

Ion 130.00 (129.70 to 130.70): BNC





#17

Hexachloroethane

Concen: 59.451 ng/ul

RT: 8.72 min Scan# 975

Delta R.T. 0.04 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampled :

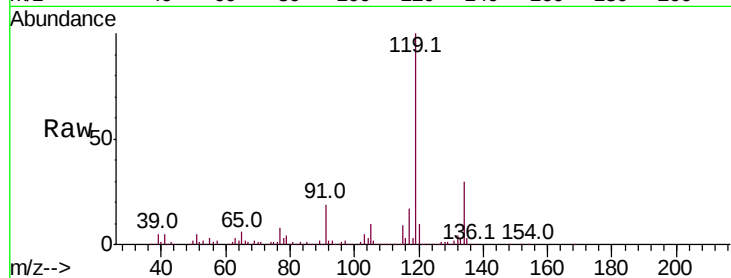
Tot Ion:117 Resp: 228847

Ion Ratio Lower Upper

117 100

201 0.0 84.5 126.7#

199 0.0 51.8 77.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

300000

250000

200000

150000

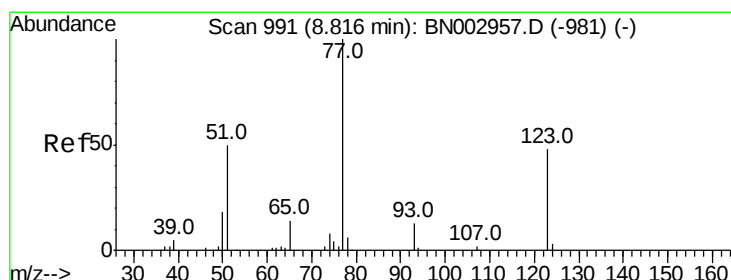
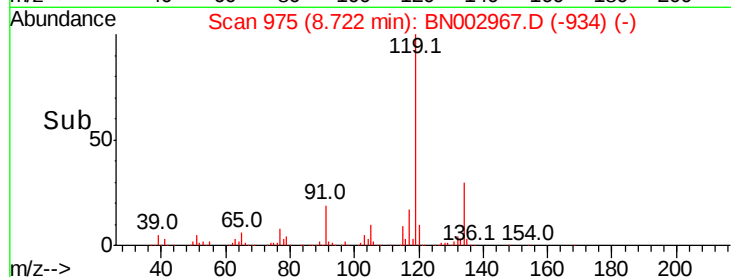
100000

50000

0

8.65 8.70 8.75

Time-->



#20

Nitrobenzene

Concen: 2.804 ng/ul

RT: 8.80 min Scan# 988

Delta R.T. -0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

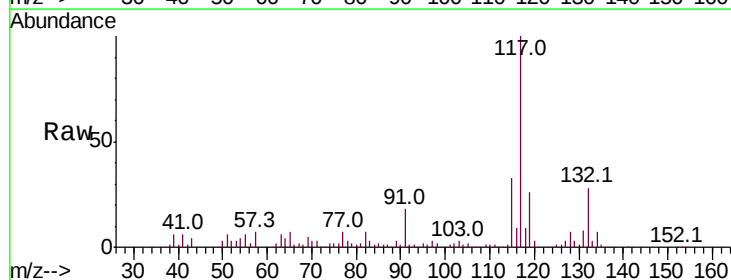
Tgt Ion: 77 Resp: 30901

Ion Ratio Lower Upper

77 100

123 4.0 35.8 53.8#

65 95.0 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BNC

80000

60000

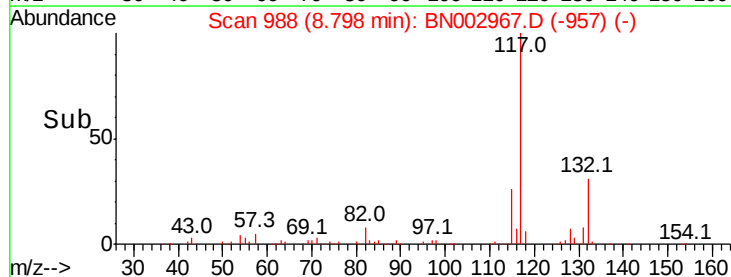
40000

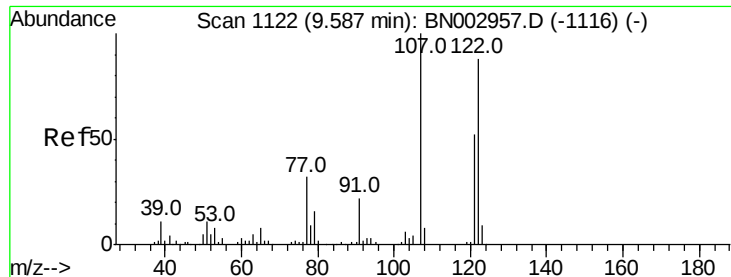
20000

0

8.75 8.80 8.85

Time-->





#24

2,4-Dimethylphenol

Concen: 1.857 ng/ul

RT: 9.60 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampled :

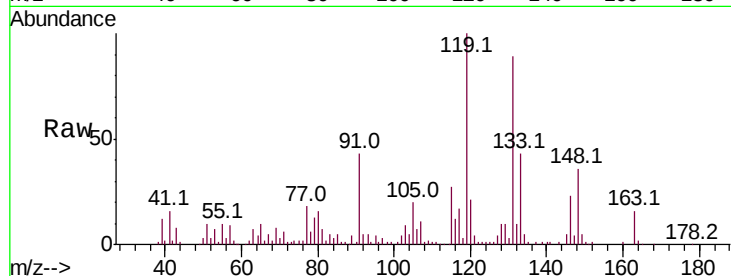
Tot Ion:107 Resp: 20348

Ion Ratio Lower Upper

107 100

121 34.1 38.6 57.8#

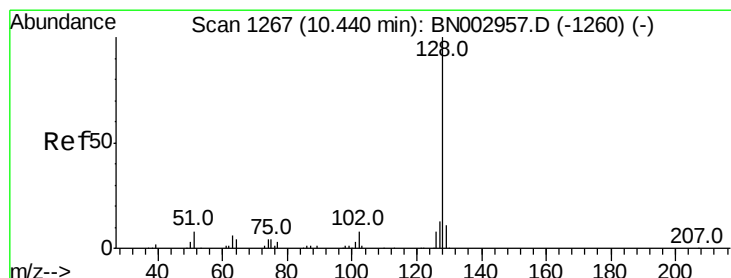
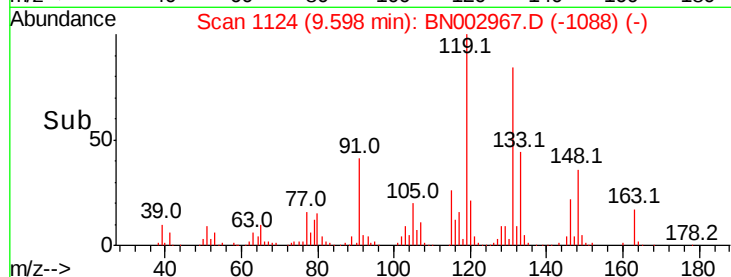
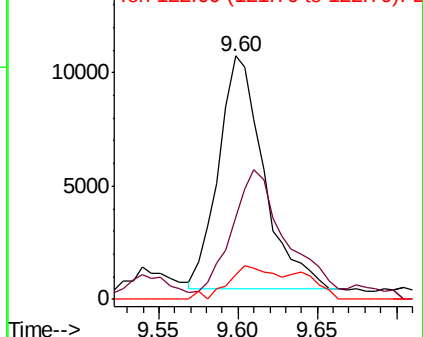
122 10.1 67.8 101.8#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 4.978 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. 0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

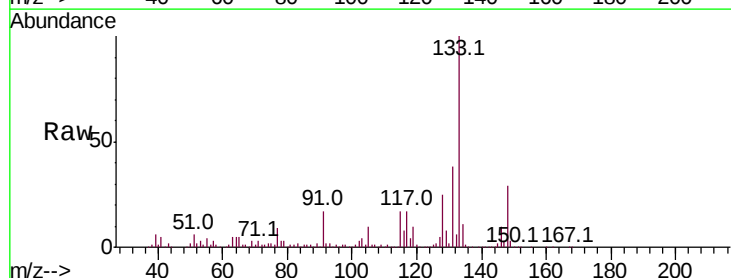
Tgt Ion:128 Resp: 157059

Ion Ratio Lower Upper

128 100

129 31.1 8.3 12.5#

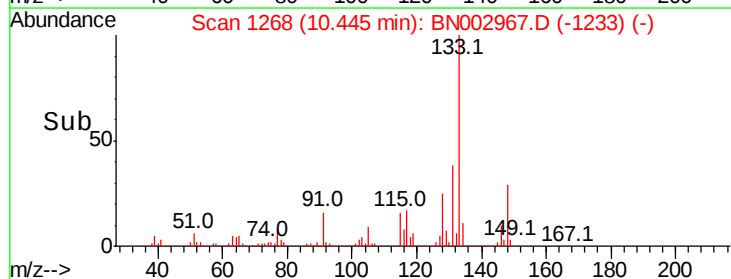
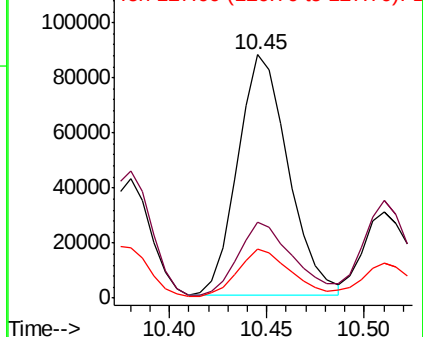
127 20.0 10.5 15.7#

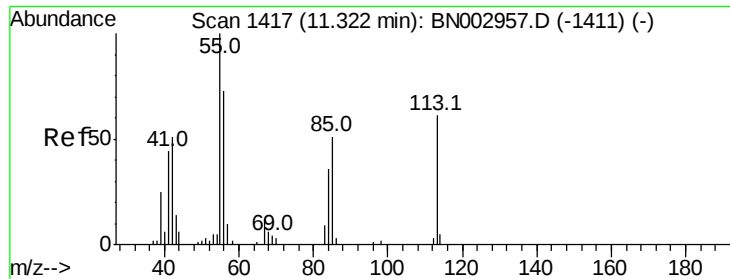


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Caprolactam

Concen: 1.550 ng/ul

RT: 11.32 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampled :

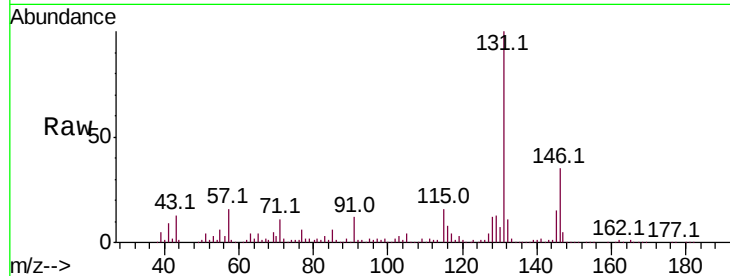
Tot Ion:113 Resp: 4475

Ion Ratio Lower Upper

113 100

55 644.9 137.0 205.4#

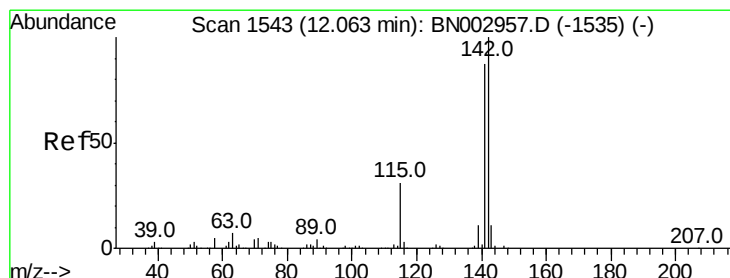
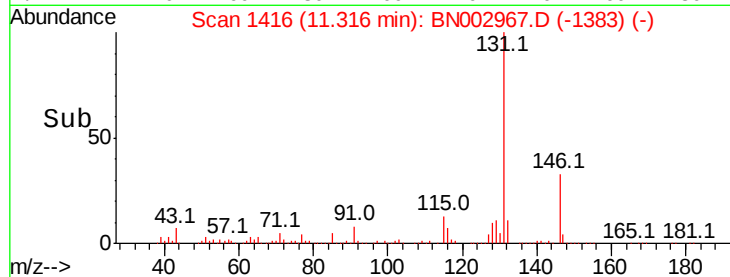
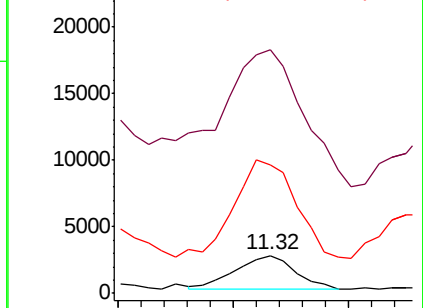
56 341.5 102.4 153.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#34

2-Methylnaphthalene

Concen: 10.227 ng/ul

RT: 12.07 min Scan# 1544

Delta R.T. 0.01 min

Lab File: BN002967.D

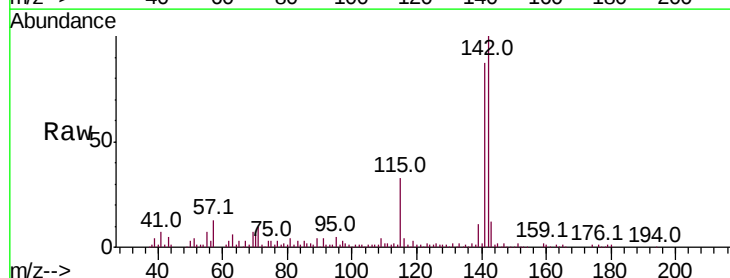
Acq: 05 Oct 2018 15:27

Tgt Ion:142 Resp: 225543

Ion Ratio Lower Upper

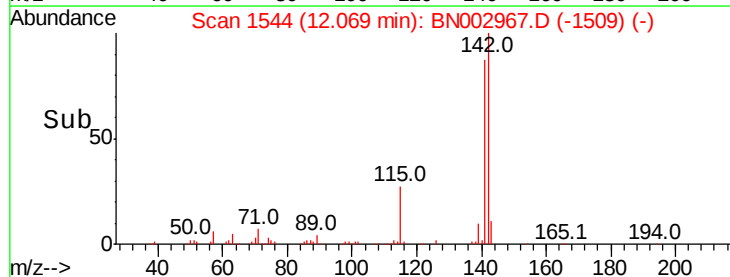
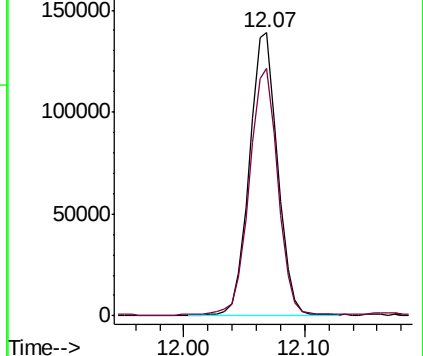
142 100

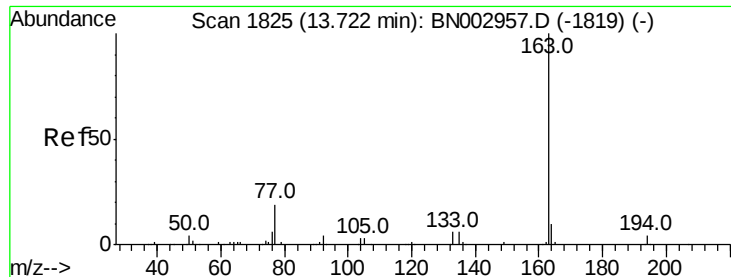
141 87.4 71.8 107.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 6.199 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

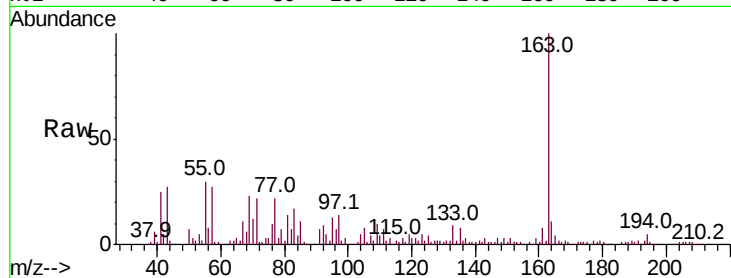
Tot Ion:163 Resp: 169126

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

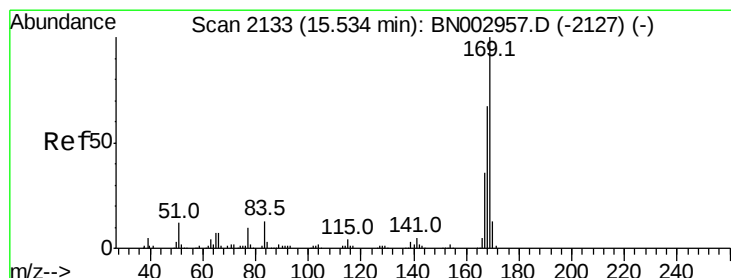
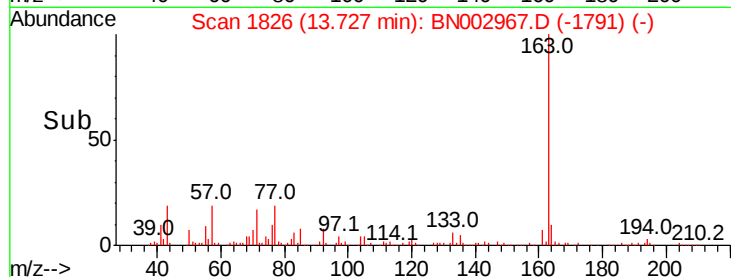
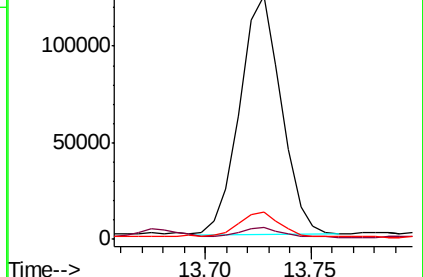
164 11.1 8.1 12.1



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



#64

N-Nitrosodiphenylamine

Concen: 2.016 ng/ul

RT: 15.54 min Scan# 2134

Delta R.T. 0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

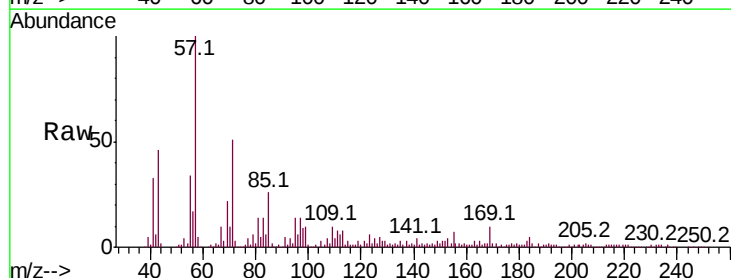
Tgt Ion:169 Resp: 44891

Ion Ratio Lower Upper

169 100

168 24.6 53.8 80.6#

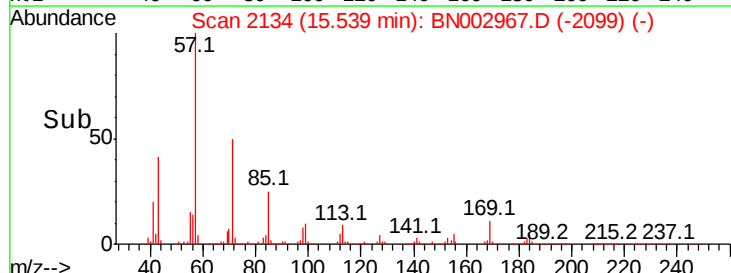
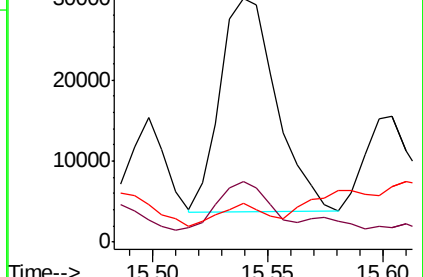
167 16.0 28.6 42.8#

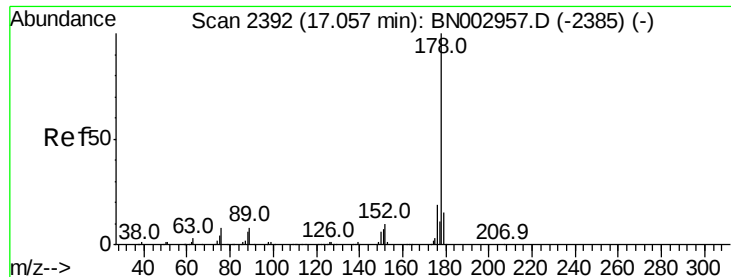


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 3.044 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

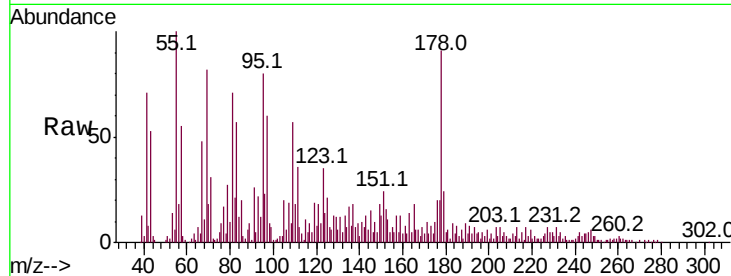
Tot Ion:178 Resp: 120316

Ion Ratio Lower Upper

178 100

179 26.6 12.2 18.4#

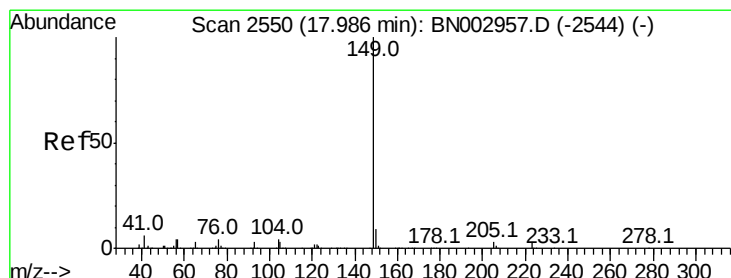
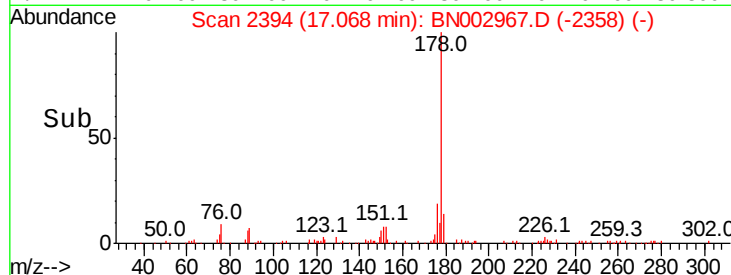
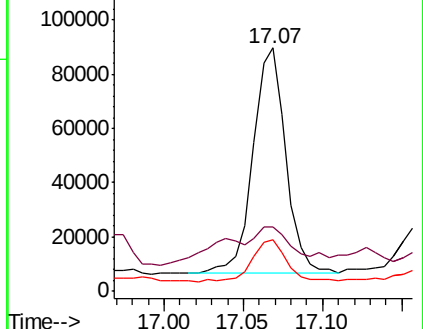
176 21.4 15.0 22.6



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



#75

Di-n-butylphthalate

Concen: 19.760 ng/ul

RT: 18.00 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

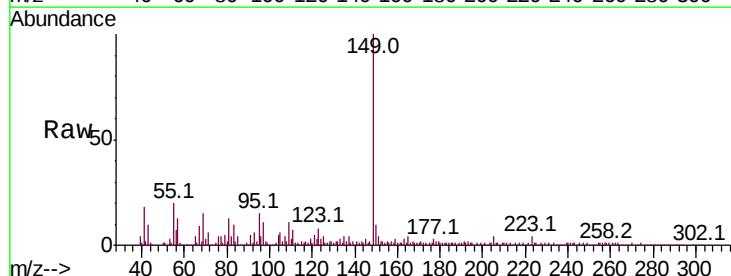
Tgt Ion:149 Resp: 815446

Ion Ratio Lower Upper

149 100

150 10.4 7.3 10.9

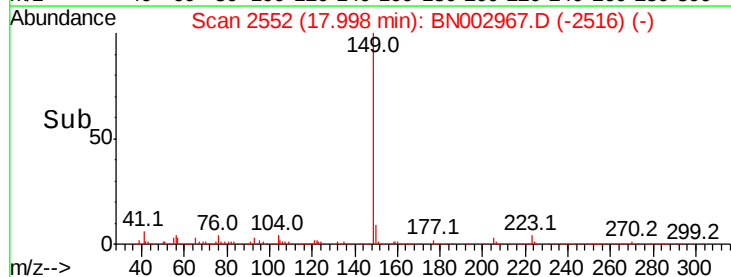
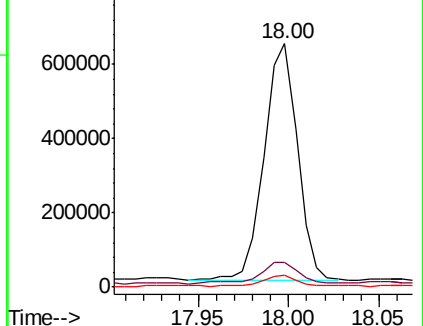
104 4.7 3.7 5.5

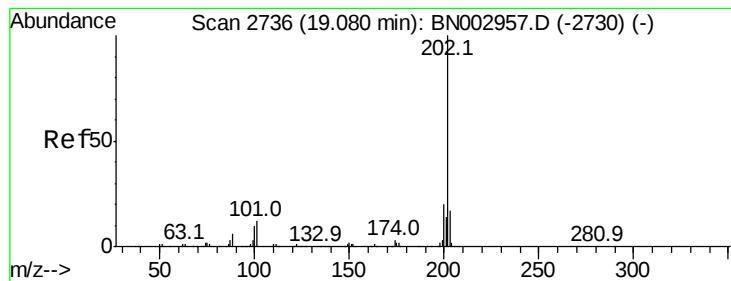


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 4.234 ng/ul

RT: 19.10 min Scan# 2739

Delta R.T. 0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

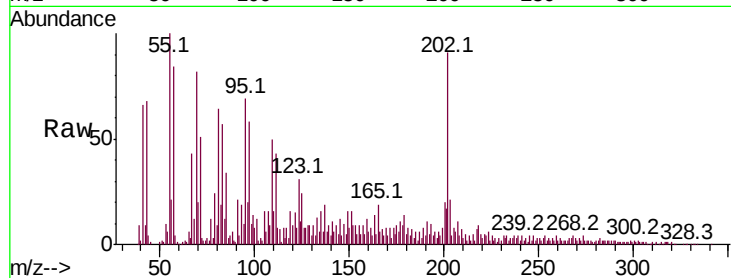
Tot Ion:202 Resp: 178554

Ion Ratio Lower Upper

202 100

101 13.4 9.4 14.2

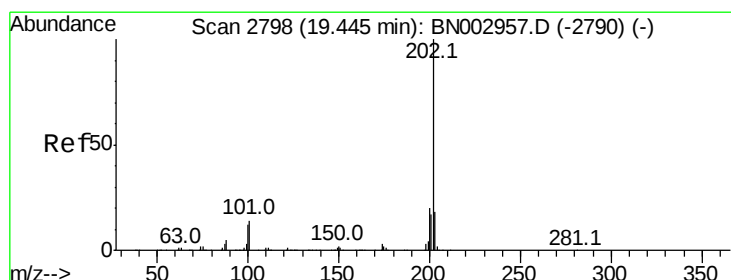
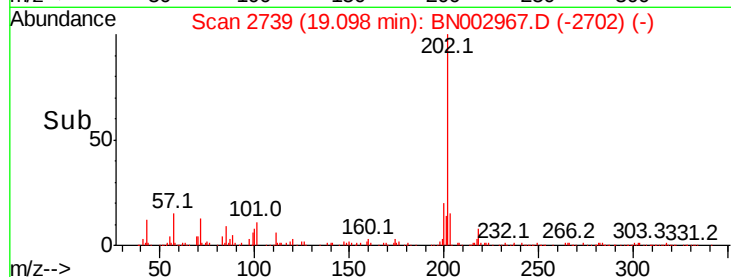
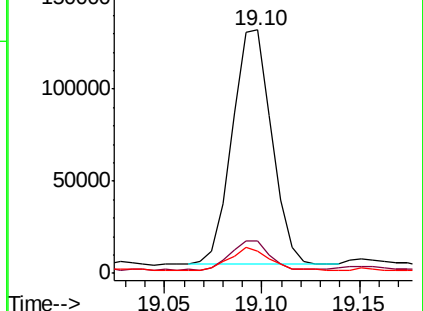
100 9.2 7.0 10.6



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: 7.726 ng/ul

RT: 19.46 min Scan# 2801

Delta R.T. 0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

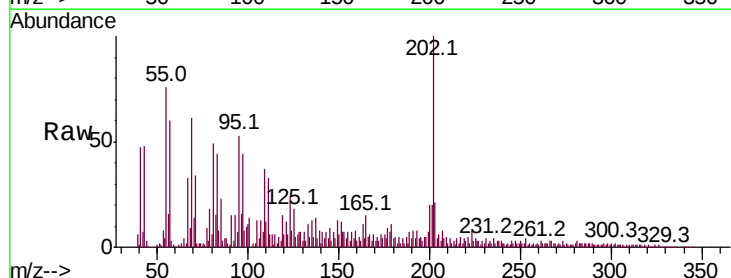
Tgt Ion:202 Resp: 273016

Ion Ratio Lower Upper

202 100

101 14.2 10.8 16.2

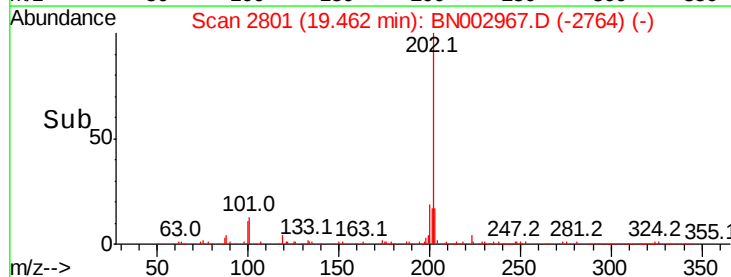
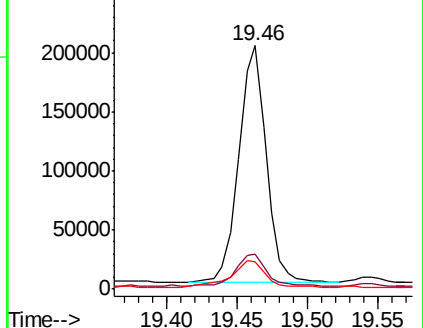
100 11.2 8.2 12.2

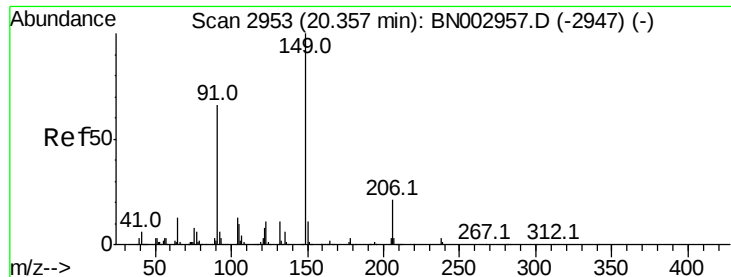


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

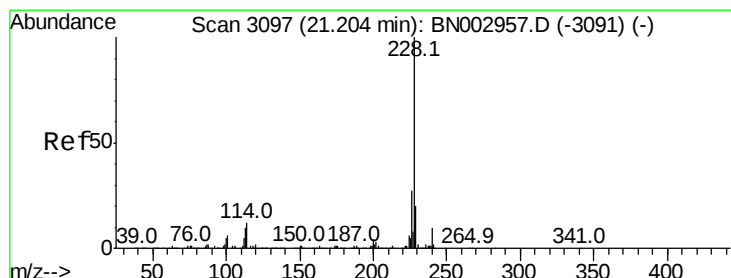
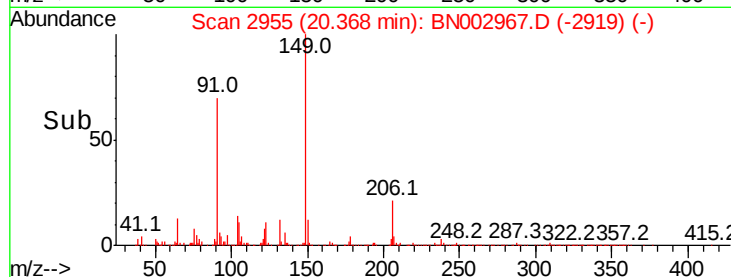
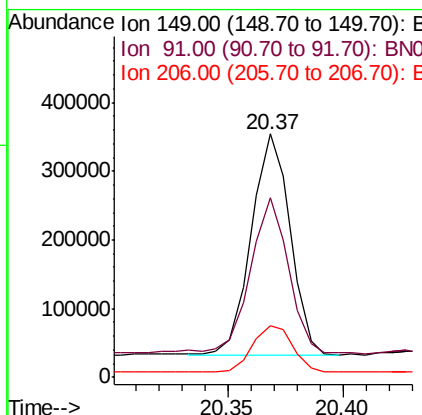
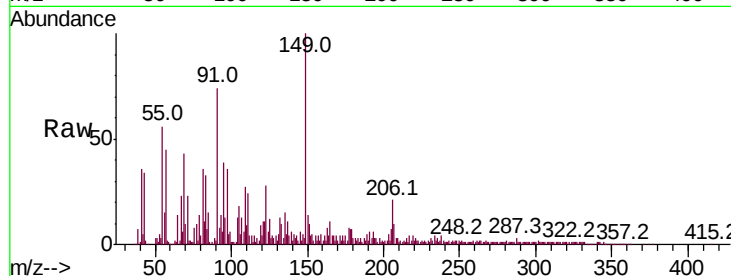




#80
Butylbenzylphthalate
Concen: 25.739 ng/ul
RT: 20.37 min Scan# 2955
Delta R.T. 0.01 min
Lab File: BN002967.D
Acq: 05 Oct 2018 15:27

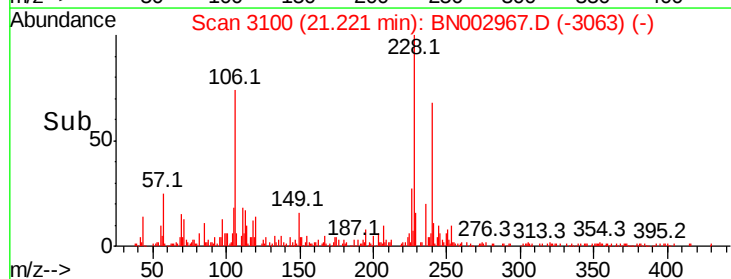
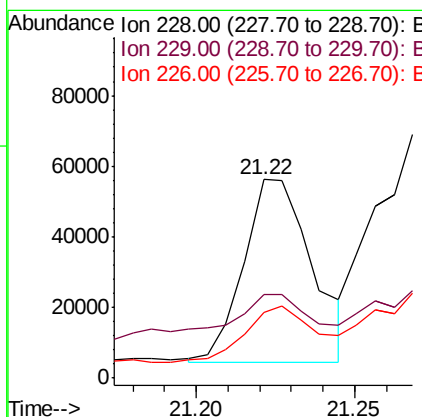
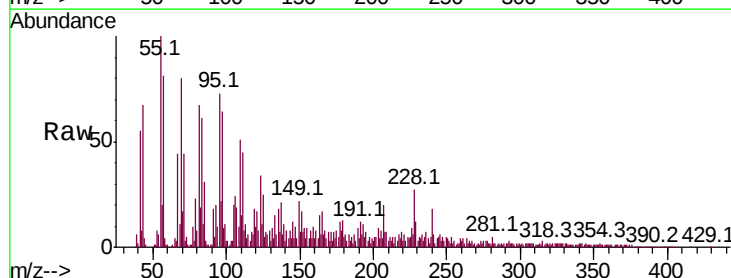
Instrument :
BNA_N
ClientSampleId :

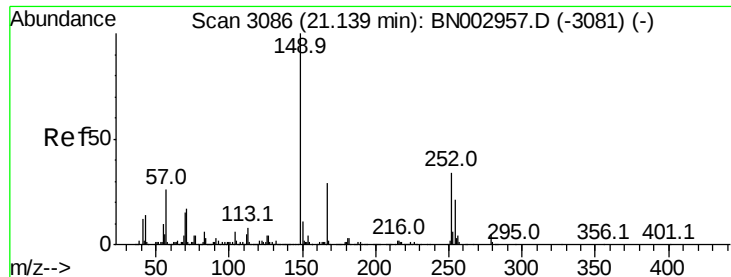
Tot Ion	Ratio	Lower	Upper
149	100		
91	73.6	56.3	84.5
206	21.5	16.8	25.2



#82
Benzo(a)anthracene
Concen: 2.351 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.02 min
Lab File: BN002967.D
Acq: 05 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	42.2	15.8	23.6#
226	33.3	20.9	31.3#





#83

Bis(2-ethylhexyl)phthalate

Concen: 34.300 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. 0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

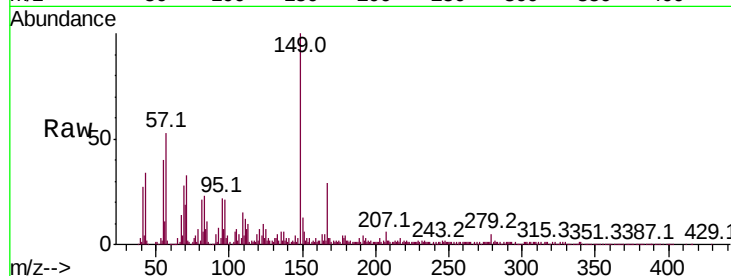
Tot Ion:149 Resp: 732202

Ion Ratio Lower Upper

149 100

167 29.5 22.0 33.0

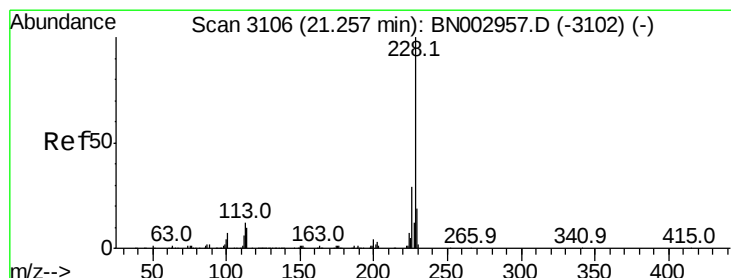
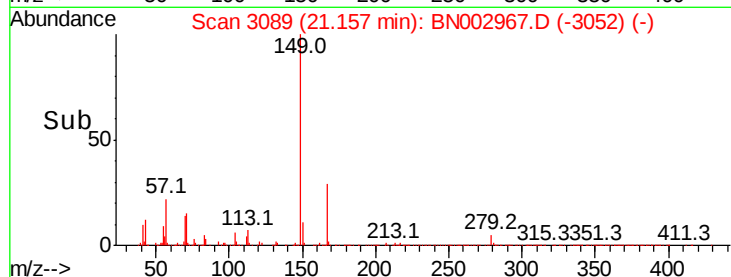
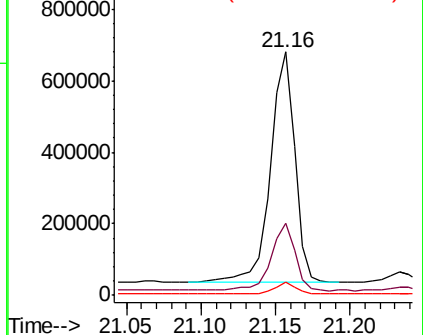
279 5.2 3.3 4.9#



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



#84

Chrysene

Concen: 4.927 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.02 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

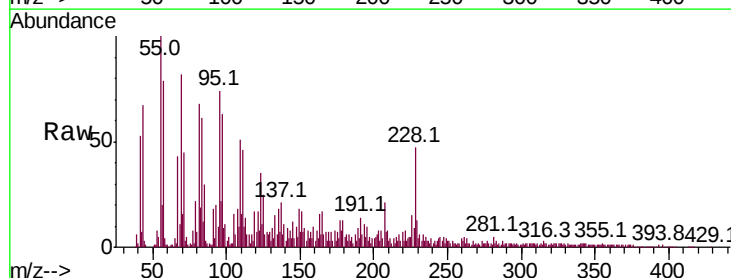
Tgt Ion:228 Resp: 153526

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.0

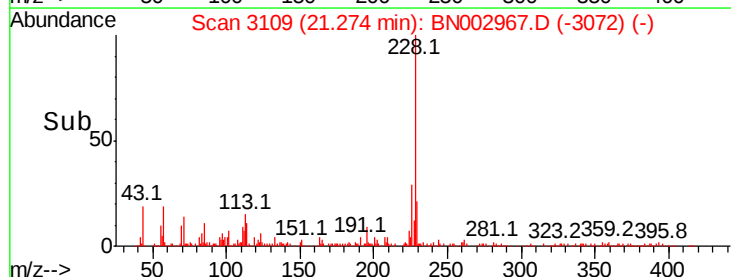
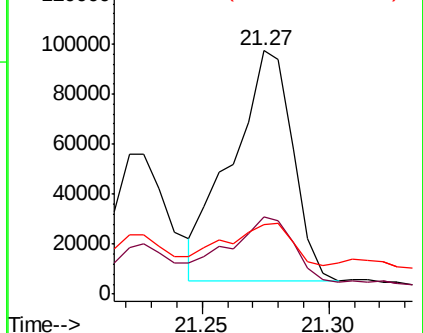
229 28.6 15.7 23.5#

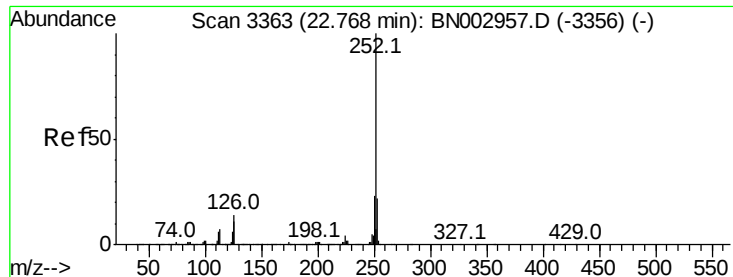


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 6.474 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.04 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampled :

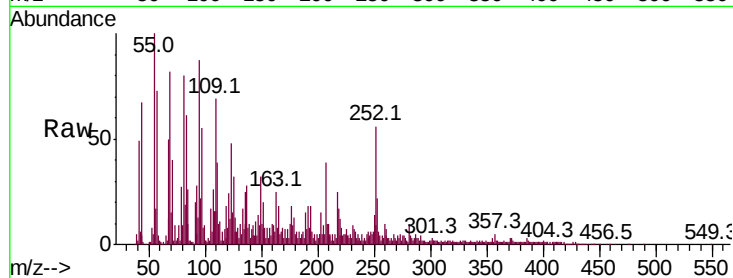
Tot Ion:252 Resp: 213780

Ion Ratio Lower Upper

252 100

253 39.5 17.0 25.4#

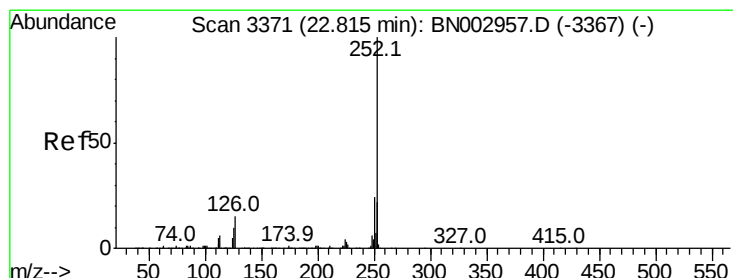
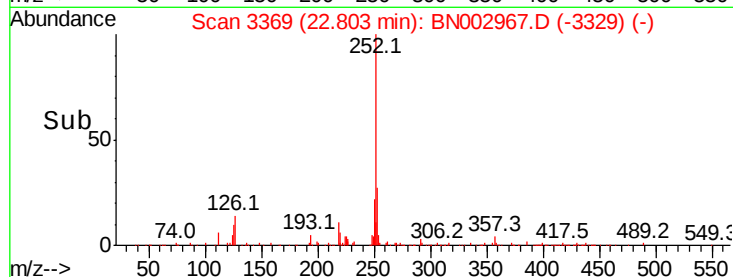
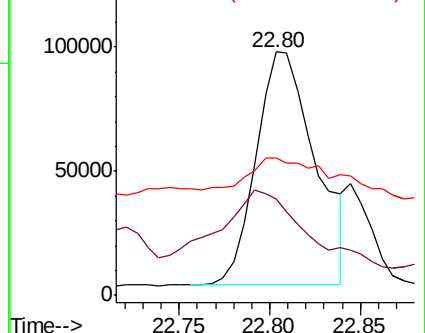
125 56.5 8.0 12.0#



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: 6.940 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

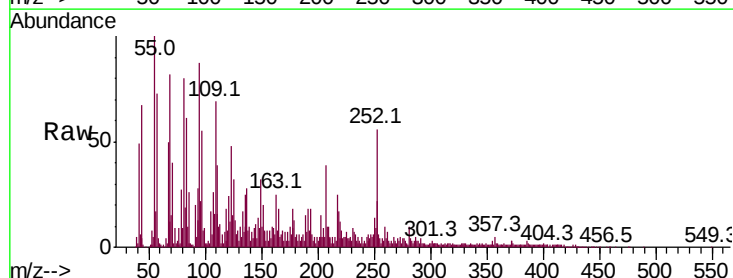
Tgt Ion:252 Resp: 213780

Ion Ratio Lower Upper

252 100

253 39.5 17.8 26.8#

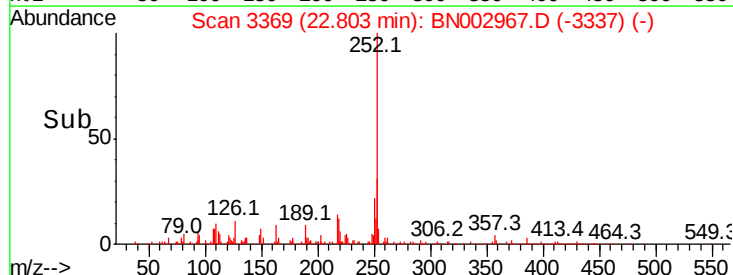
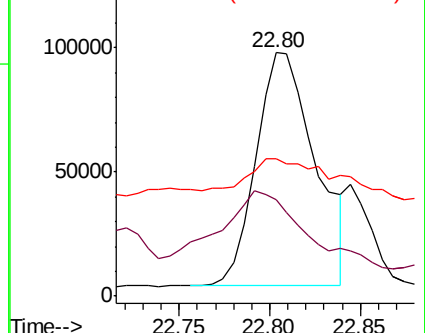
125 56.5 8.3 12.5#

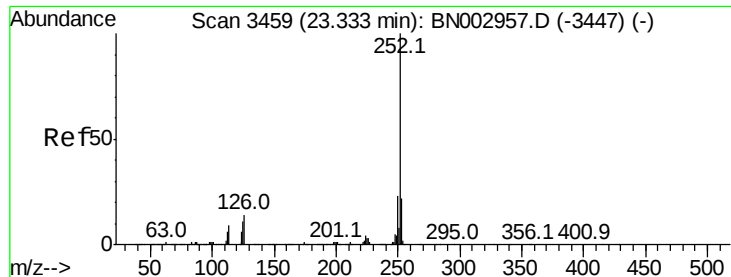


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.063 ng/ul

RT: 23.37 min Scan# 3466

Delta R.T. 0.04 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampled :

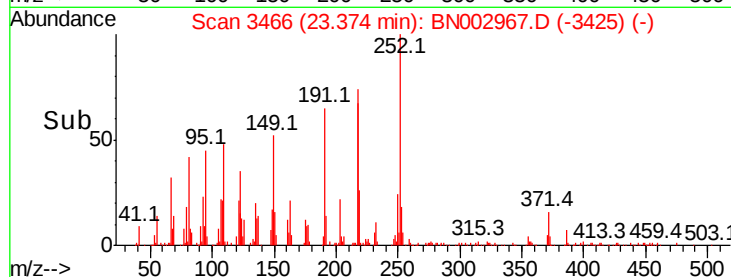
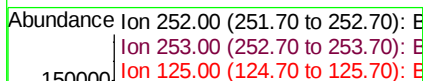
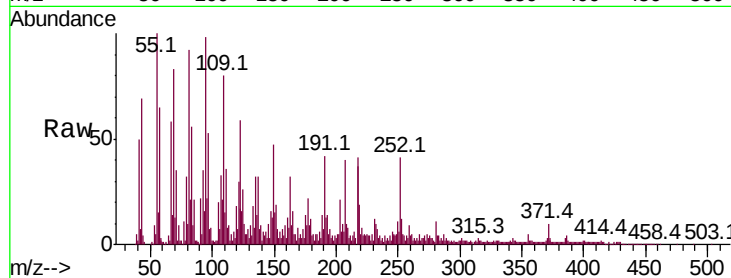
Tot Ion:252 Resp: 126833

Ion Ratio Lower Upper

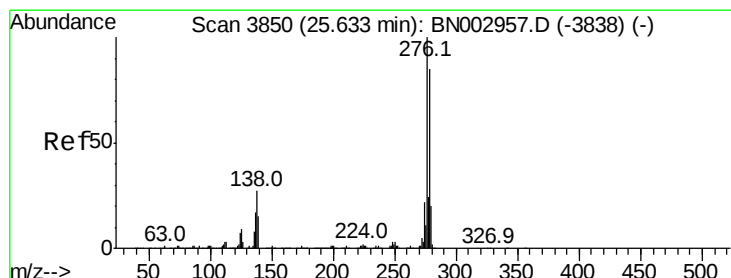
252 100

253 30.3 17.6 26.4#

125 62.6 8.8 13.2#



Time-->



#91

Indeno(1,2,3-cd)pyrene

Concen: 3.355 ng/ul

RT: 25.69 min Scan# 3860

Delta R.T. 0.06 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

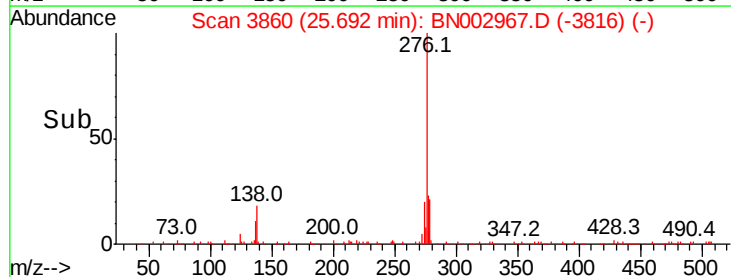
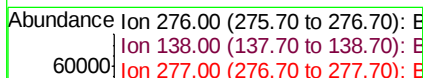
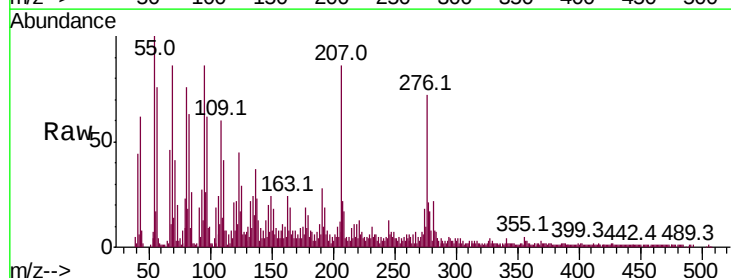
Tgt Ion:276 Resp: 123976

Ion Ratio Lower Upper

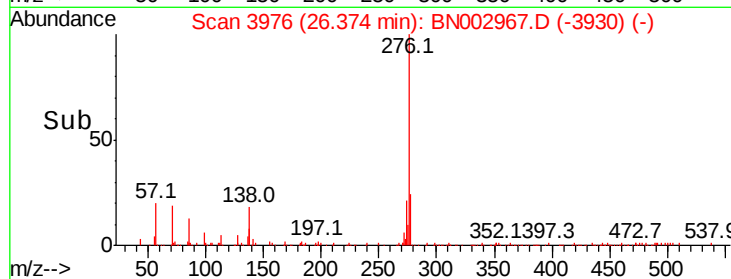
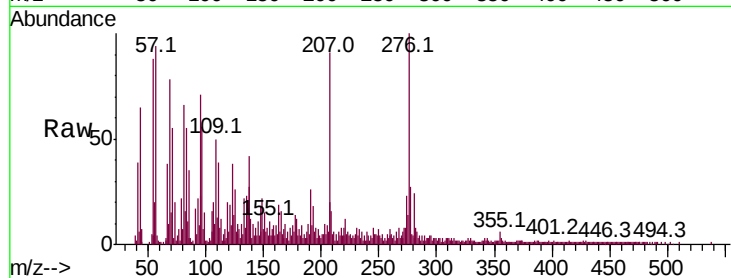
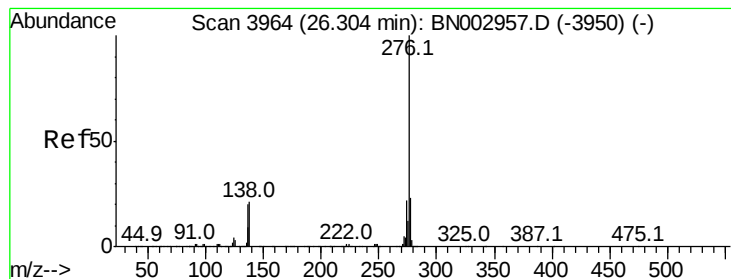
276 100

138 32.0 20.2 30.4#

277 28.6 20.0 30.0



Time-->



#93

Benzo(a,h,i)perylene

Concen: 6.323 ng/ul

RT: 26.37 min Scan# 3976

Delta R.T. 0.07 min

Lab File: BN002967.D

Acq: 05 Oct 2018 15:27

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 195332

Ion Ratio Lower Upper

276 100

138 27.4 18.2 27.2#

277 27.1 18.6 28.0

