

Data File : BN004172.D
Acq On : 21 Dec 2018 22:13
Operator : JU/SJ
Sample : J6420-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9H34

Quant Time: Dec 22 05:01:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 22 04:57:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	34826	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	155794	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	91530	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	199726	20.00	ng/ul	0.00
77) Chrysene-d12	21.40	240	242021	20.00	ng/ul	0.00
85) Perylene-d12	23.72	264	248269	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	743	1.40	ng/uL	0.00
5) Phenol-d5	6.99	99	26052	7.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	18198	9.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	24771	9.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	23812	8.30	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	12895	10.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	15154	10.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	26735	10.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	30803	12.84	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	92080	11.27	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	116591	12.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	10974	6.50	ng/ul	0.00
57) Fluorene-d10	15.46	176	84027	11.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	11929	8.29	ng/ul	0.01
70) Anthracene-d10	17.32	188	129032	12.79	ng/ul	0.00
78) Pyrene-d10	19.61	212	148067	13.68	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.57	264	174191	12.93	ng/ul	0.00

Target Compounds

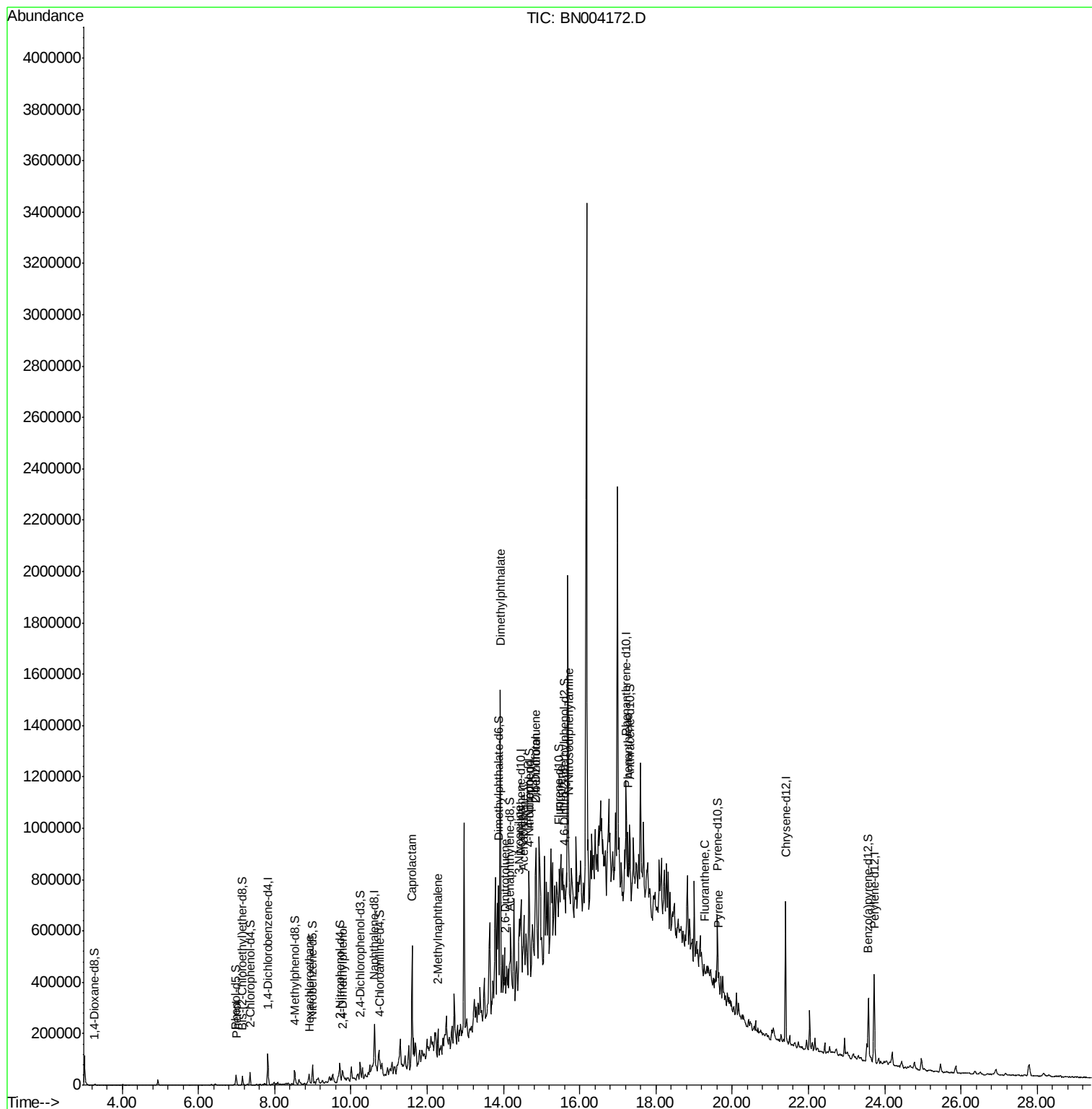
					Qvalue
6) Phenol	7.02	94	5635	1.631 ng/ul	98
17) Hexachloroethane	8.92	117	1646	1.690 ng/ul#	6
24) 2,4-Dimethylphenol	9.80	107	3509	1.233 ng/ul#	23
32) Caprolactam	11.60	113	22458	22.510 ng/ul#	76
34) 2-Methylnaphthalene	12.28	142	54509	8.659 ng/ul	99
44) Dimethylphthalate	13.92	163	18644	2.337 ng/ul#	90
45) 2,6-Dinitrotoluene	14.05	165	1853	1.145 ng/ul#	32
48) 3-Nitroaniline	14.41	138	1725	1.048 ng/ul#	30
49) Acenaphthene	14.53	153	25268	3.843 ng/ul#	89
52) 4-Nitrophenol	14.68	109	2096	1.965 ng/ul#	18
53) Dibenzofuran	14.86	168	13676	1.465 ng/ul#	1
54) 2,4-Dinitrotoluene	14.86	165	7968	3.163 ng/ul#	55
58) Fluorene	15.52	166	35619	4.583 ng/ul#	90
64) N-Nitrosodiphenylamine	15.72	169	55424	9.169 ng/ul#	45
69) Phenanthrene	17.26	178	108691	9.419 ng/ul#	92
76) Fluoranthene	19.27	202	14601	1.032 ng/ul	97
79) Pyrene	19.64	202	20453	1.513 ng/ul#	90

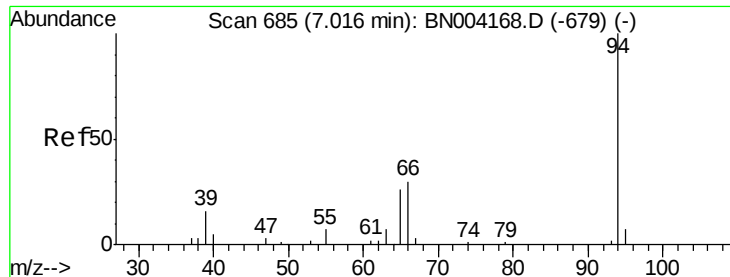
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.631 ng/ul

RT: 7.02 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

Instrument :

BNA_N

ClientSampleId :

F9H34

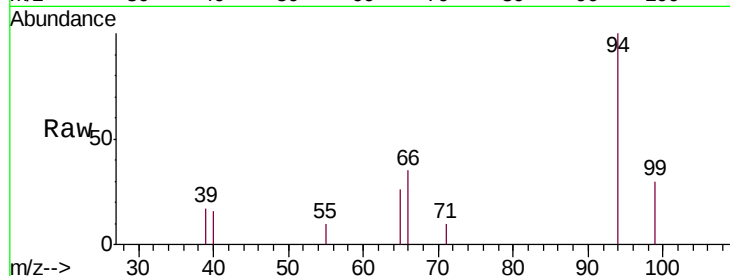
Tgt Ion: 94 Resp: 5635

Ion Ratio Lower Upper

94 100

65 25.6 21.2 31.8

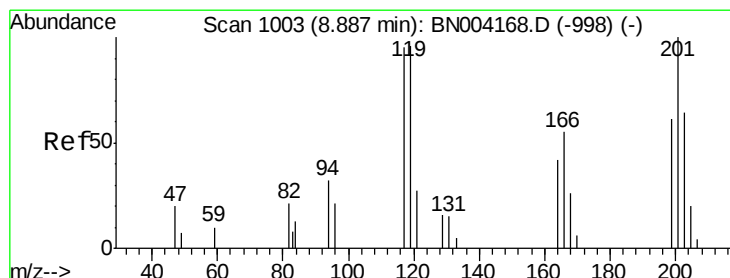
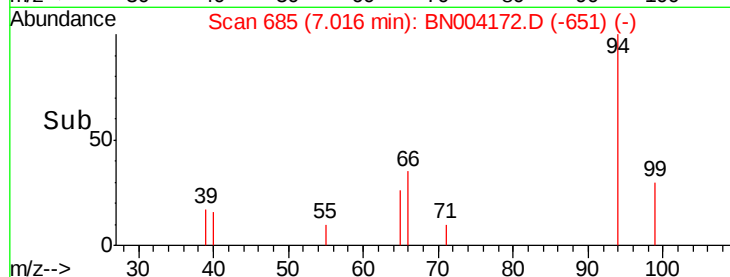
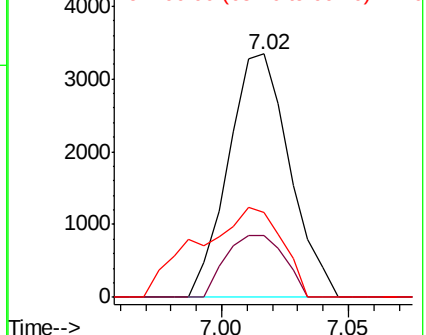
66 35.0 26.9 40.3



Abundance Ion 94.00 (93.70 to 94.70): BN004168.D (-679) (-)

Ion 65.00 (64.70 to 65.70): BN004168.D (-679) (-)

Ion 66.00 (65.70 to 66.70): BN004168.D (-679) (-)



#17

Hexachloroethane

Concen: 1.690 ng/ul

RT: 8.92 min Scan# 1008

Delta R.T. 0.03 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

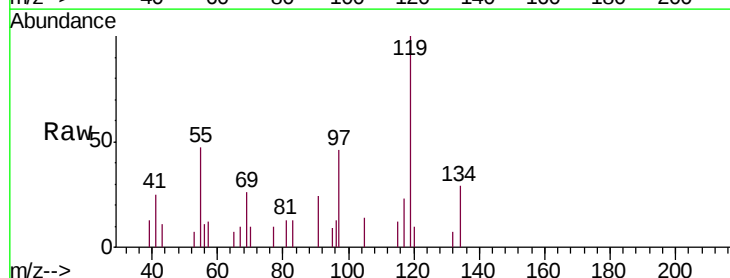
Tgt Ion: 117 Resp: 1646

Ion Ratio Lower Upper

117 100

201 0.0 82.1 123.1#

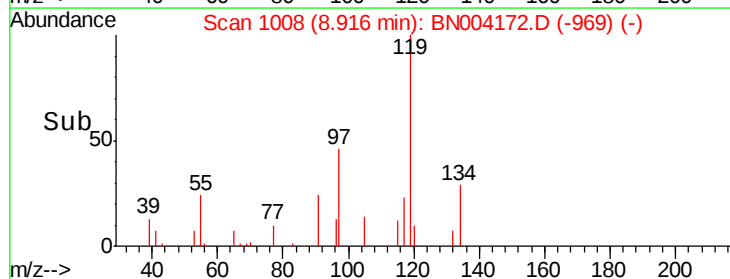
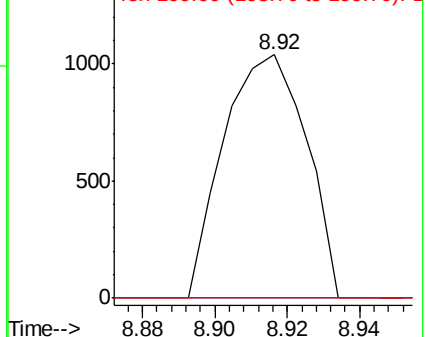
199 0.0 50.6 76.0#

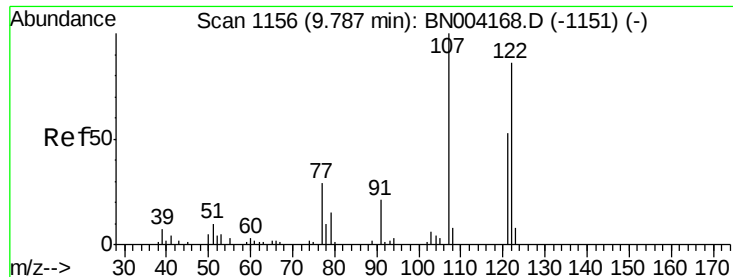


Abundance Ion 117.00 (116.70 to 117.70): BN004168.D (-998) (-)

Ion 201.00 (200.70 to 201.70): BN004168.D (-998) (-)

Ion 199.00 (198.70 to 199.70): BN004168.D (-998) (-)





#24

2,4-Dimethylphenol

Concen: 1.233 ng/ul

RT: 9.80 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

Instrument :

BNA_N

ClientSampleId :

F9H34

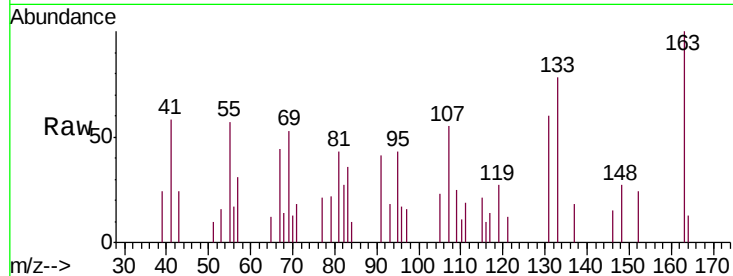
Tgt Ion:107 Resp: 3509

Ion Ratio Lower Upper

107 100

121 21.8 43.0 64.6#

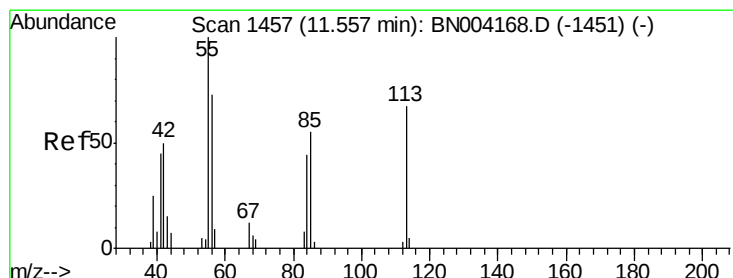
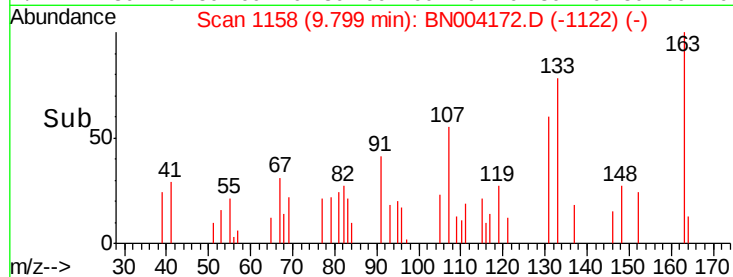
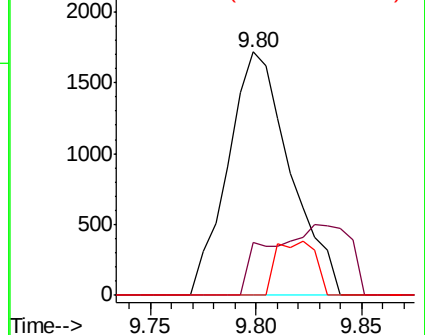
122 0.0 73.0 109.6#



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



#32

Caprolactam

Concen: 22.510 ng/ul

RT: 11.60 min Scan# 1465

Delta R.T. 0.05 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

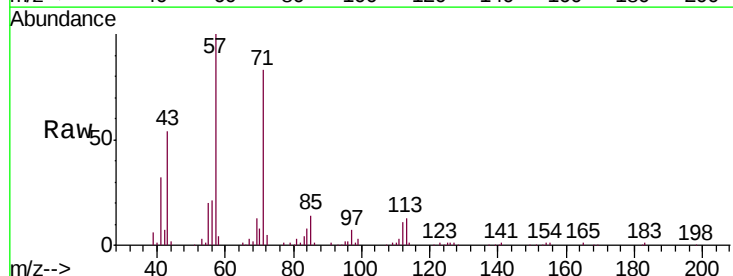
Tgt Ion:113 Resp: 22458

Ion Ratio Lower Upper

113 100

55 155.6 116.6 175.0

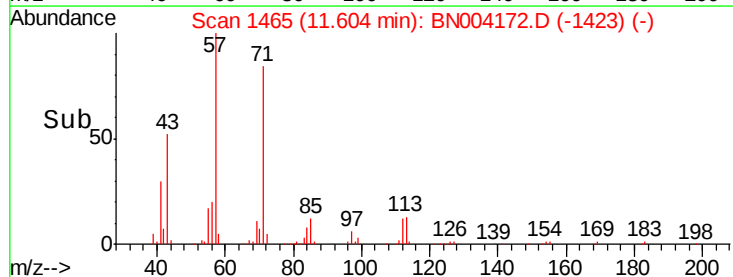
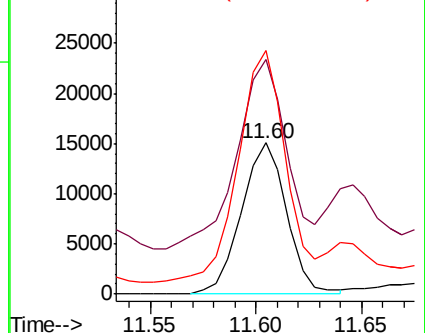
56 161.3 89.9 134.9#

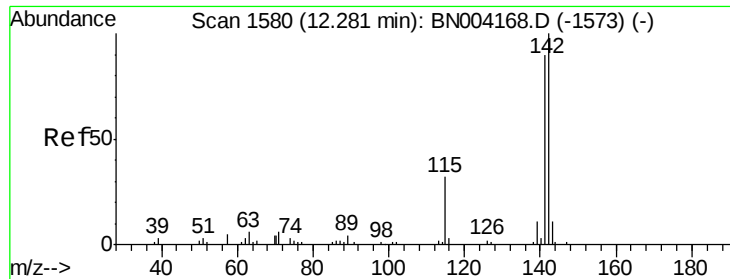


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC

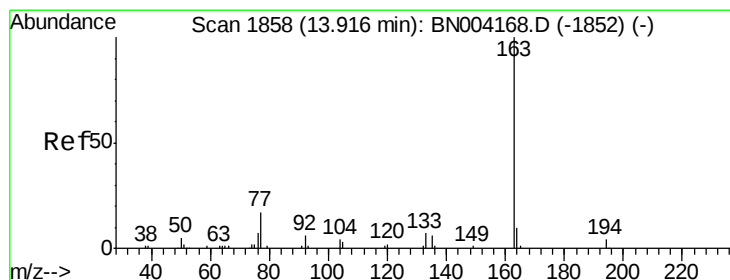
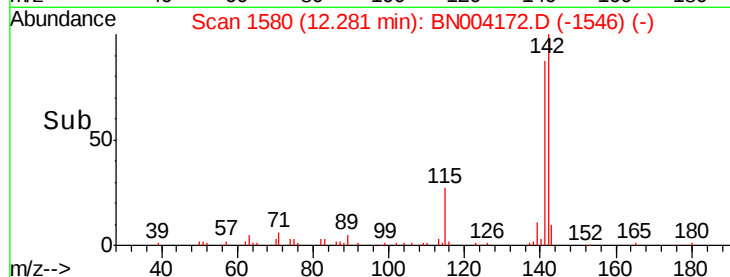
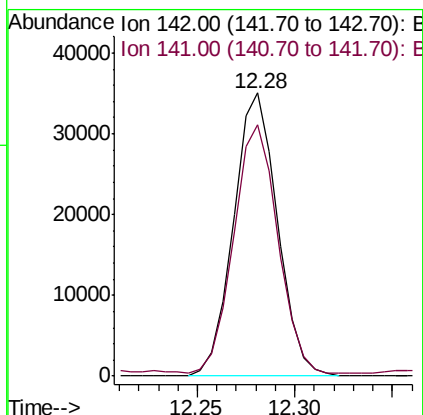
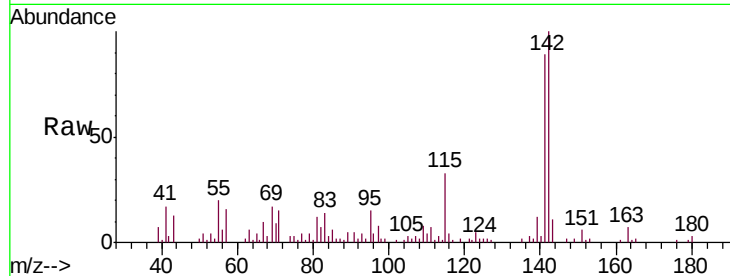




#34
 2-Methylnaphthalene
 Concen: 8.659 ng/ul
 RT: 12.28 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BN004172.D
 Acq: 21 Dec 2018 22:13

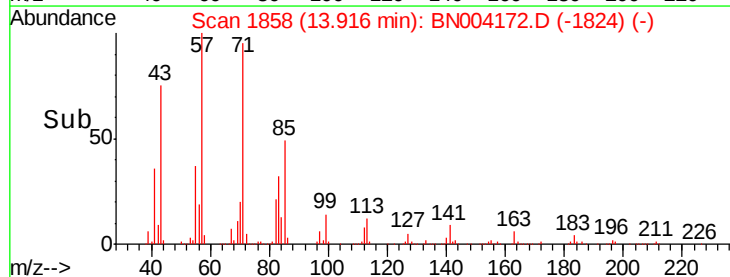
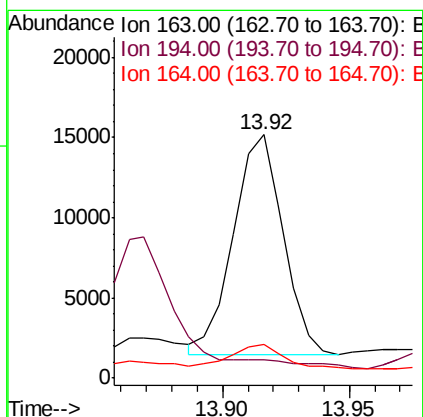
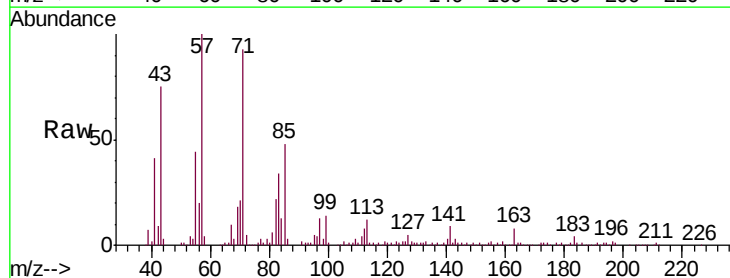
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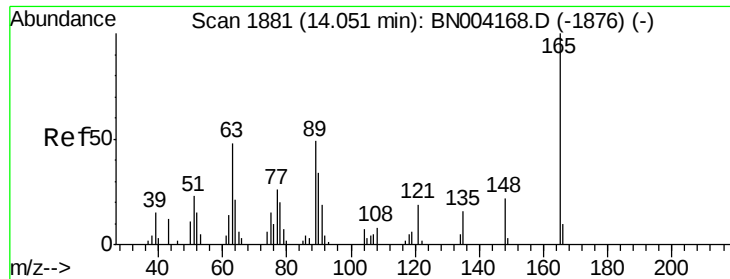
Tgt Ion:142 Resp: 54509
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.2 105.2



#44
 Dimethylphthalate
 Concen: 2.337 ng/ul
 RT: 13.92 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: BN004172.D
 Acq: 21 Dec 2018 22:13

Tgt Ion:163 Resp: 18644
 Ion Ratio Lower Upper
 163 100
 194 7.7 3.4 5.0#
 164 13.7 7.9 11.9#

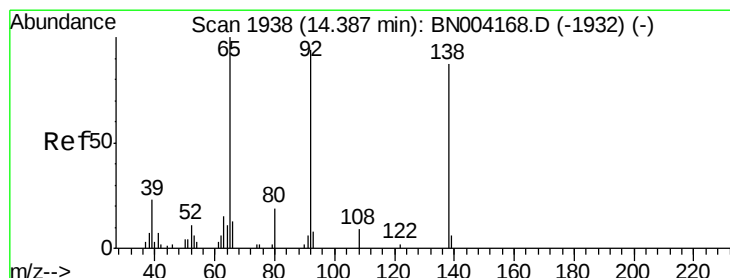
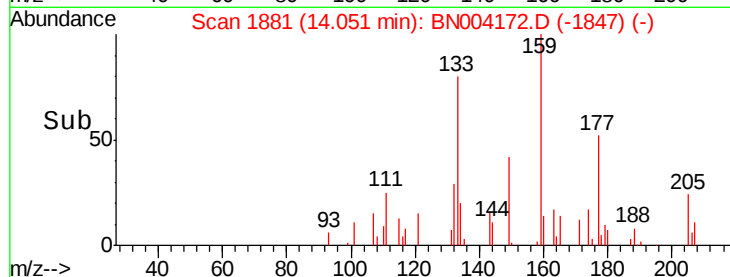
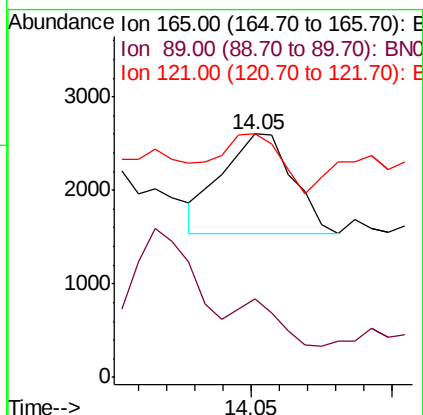
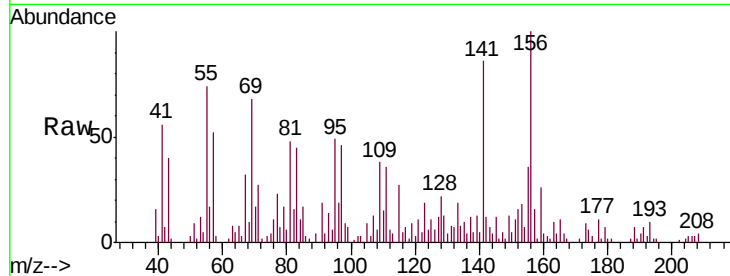




#45
 2,6-Dinitrotoluene
 Concen: 1.145 ng/ul
 RT: 14.05 min Scan# 1881
 Delta R.T. 0.00 min
 Lab File: BN004172.D
 Acq: 21 Dec 2018 22:13

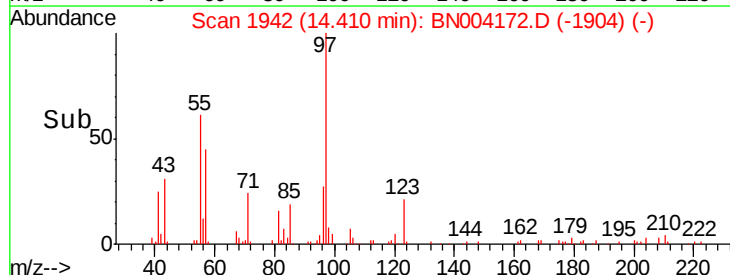
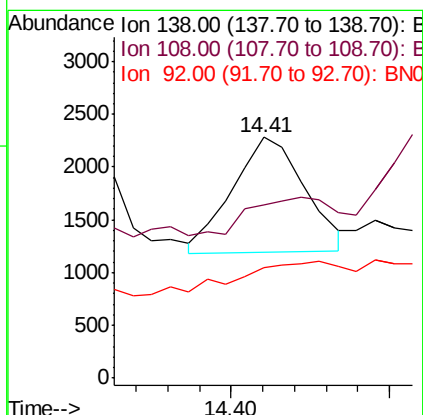
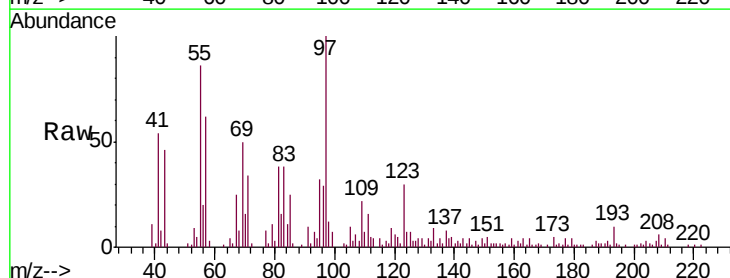
Instrument :
 BNA_N
 ClientSampleId :
 F9H34

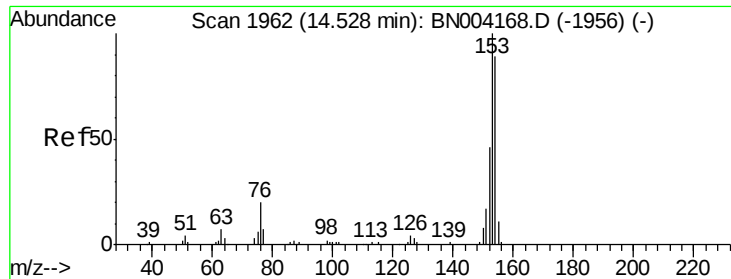
Tgt Ion:165 Resp: 1853
 Ion Ratio Lower Upper
 165 100
 89 32.5 40.0 60.0#
 121 100.2 15.6 23.4#



#48
 3-Nitroaniline
 Concen: 1.048 ng/ul
 RT: 14.41 min Scan# 1942
 Delta R.T. 0.02 min
 Lab File: BN004172.D
 Acq: 21 Dec 2018 22:13

Tgt Ion:138 Resp: 1725
 Ion Ratio Lower Upper
 138 100
 108 72.2 8.6 13.0#
 92 45.9 88.2 132.2#





#49

Acenaphthene

Concen: 3.843 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

Instrument :

BNA_N

ClientSampleId :

F9H34

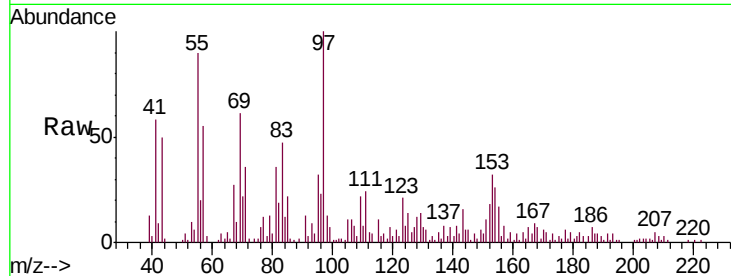
Tgt Ion:153 Resp: 25268

Ion Ratio Lower Upper

153 100

152 57.8 37.8 56.6#

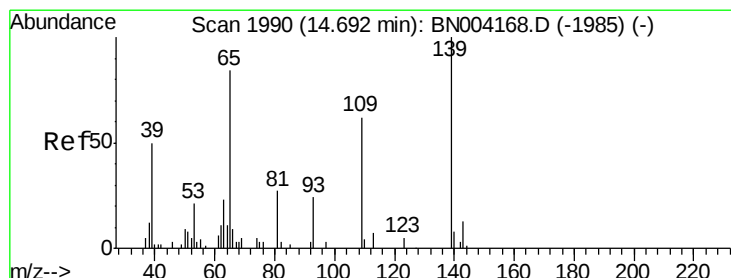
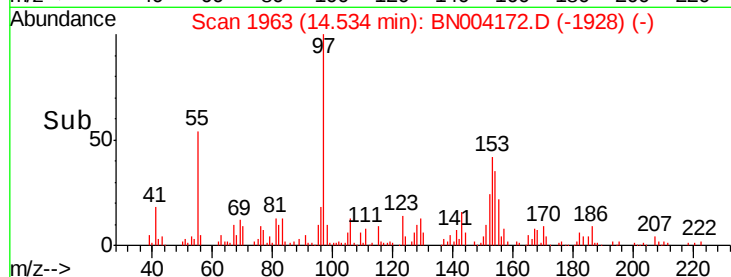
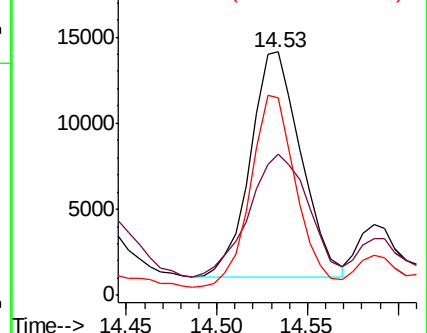
154 81.3 71.0 106.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 1.965 ng/ul

RT: 14.68 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

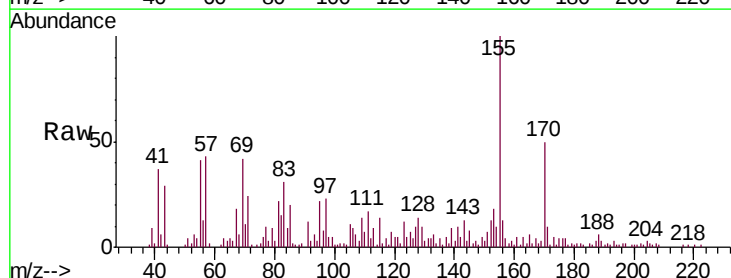
Tgt Ion:109 Resp: 2096

Ion Ratio Lower Upper

109 100

139 58.9 125.0 187.4#

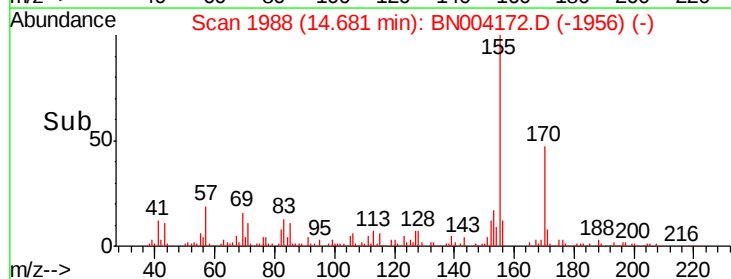
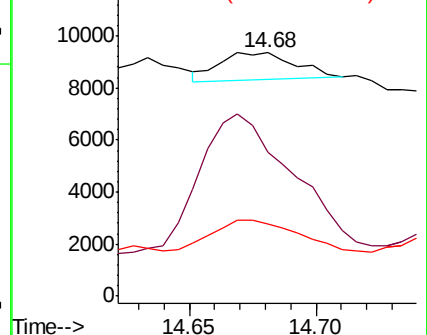
65 29.8 110.8 166.2#

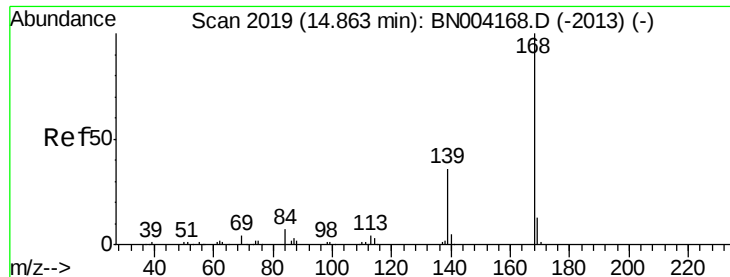


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC





#53

Dibenzenofuran

Concen: 1.465 ng/ul

RT: 14.86 min Scan# 2019

Delta R.T. 0.00 min

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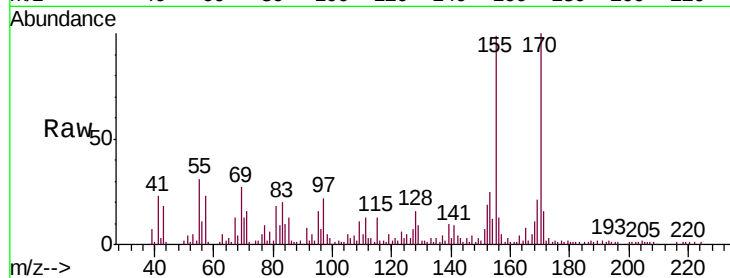
F9H34

Tgt Ion:168 Resp: 13676

Ion Ratio Lower Upper

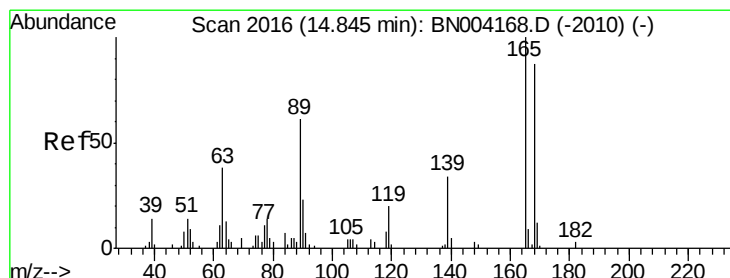
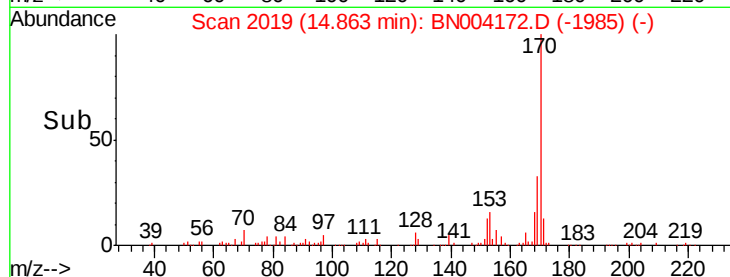
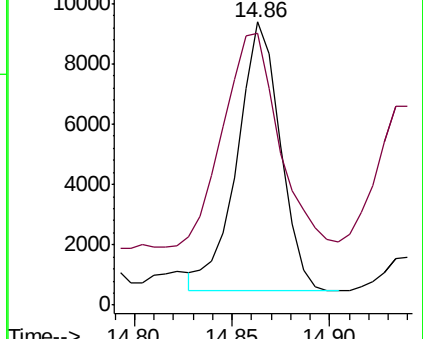
168 100

139 95.9 28.8 43.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 3.163 ng/ul

RT: 14.86 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

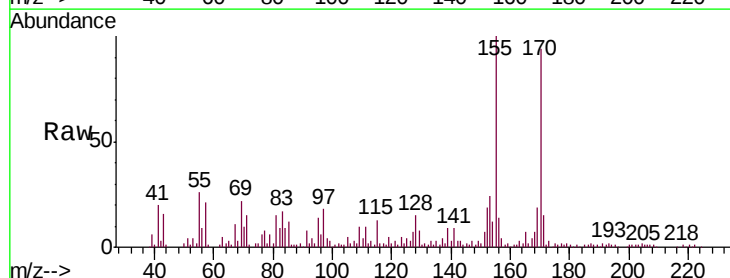
Tgt Ion:165 Resp: 7968

Ion Ratio Lower Upper

165 100

63 63.6 29.0 43.6#

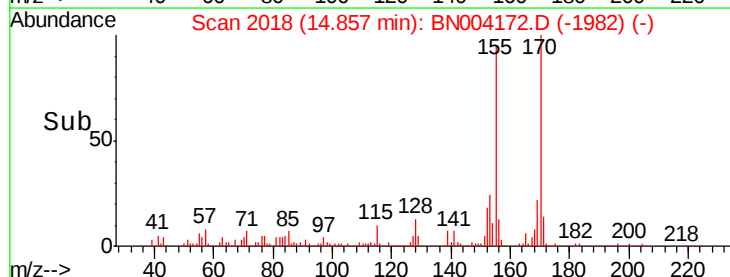
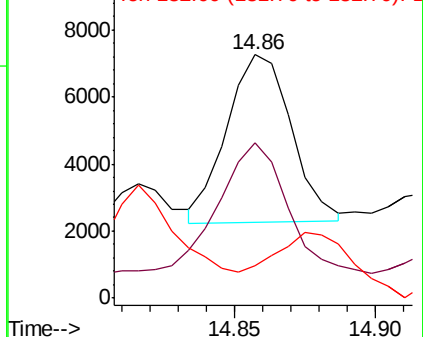
182 13.3 2.4 3.6#

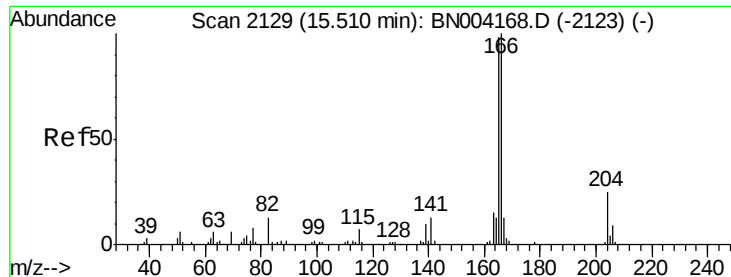


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 4.583 ng/ul

RT: 15.52 min Scan# 2130

Delta R.T. 0.01 min

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Acq: 21 Dec 2018 22:13

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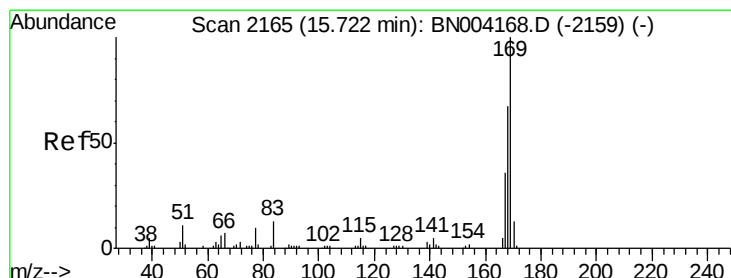
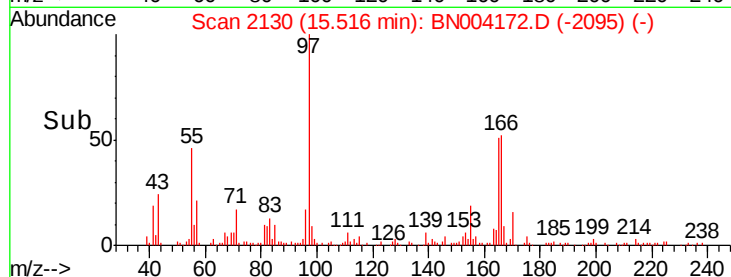
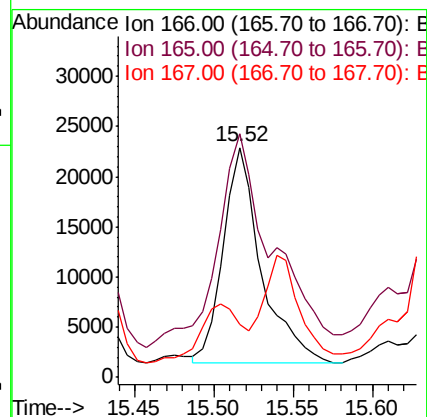
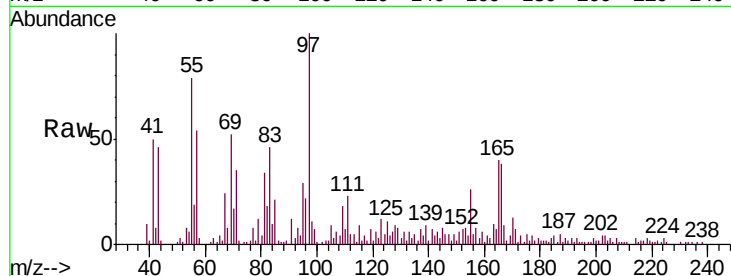
Tgt Ion:166 Resp: 35619

Ion Ratio Lower Upper

166 100

165 106.0 78.6 117.8

167 23.3 10.3 15.5#



#64

N-Nitrosodiphenylamine

Concen: 9.169 ng/ul

RT: 15.72 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

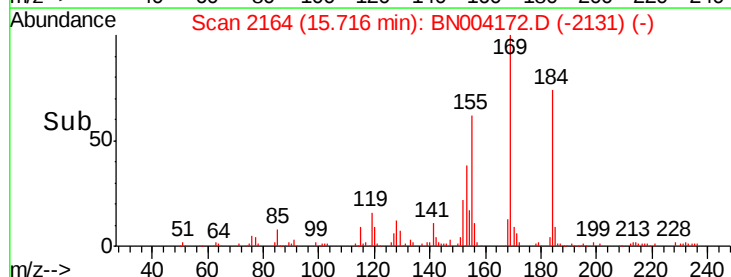
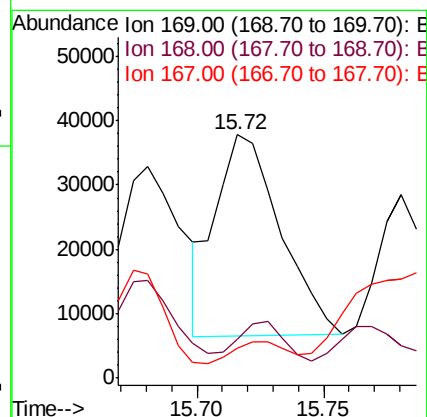
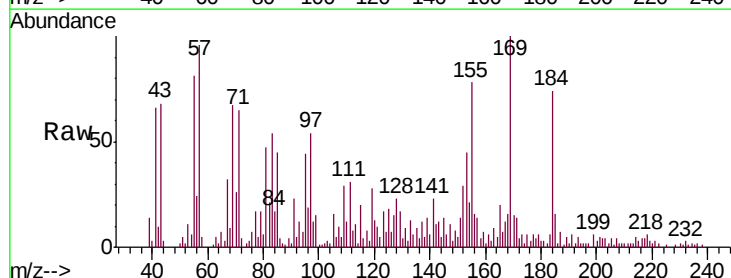
Tgt Ion:169 Resp: 55424

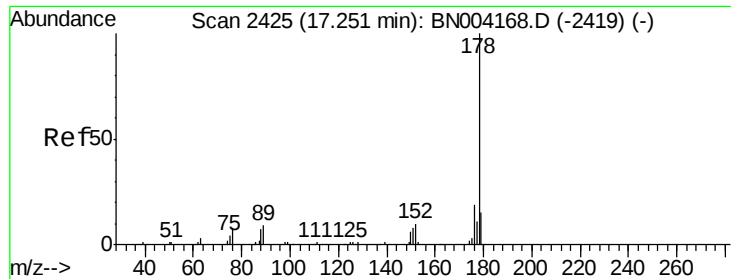
Ion Ratio Lower Upper

169 100

168 16.0 53.7 80.5#

167 12.4 28.6 42.8#





#69

Phenanthrene

Concen: 9.419 ng/ul

RT: 17.26 min Scan# 2426

Delta R.T. 0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

Instrument :

BNA_N

ClientSampleId :

F9H34

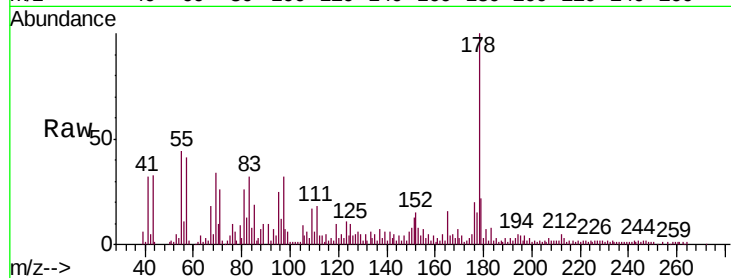
Tgt Ion:178 Resp: 108691

Ion Ratio Lower Upper

178 100

179 22.1 12.1 18.1#

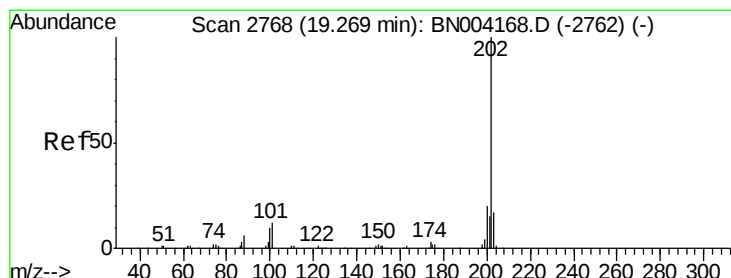
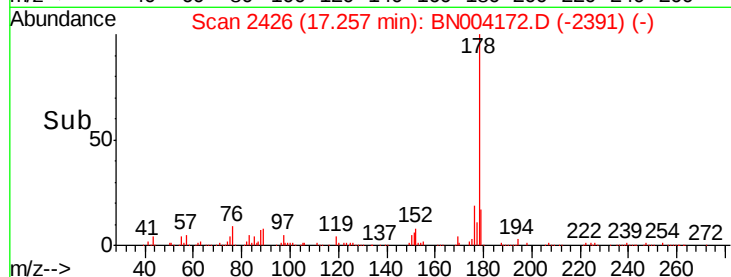
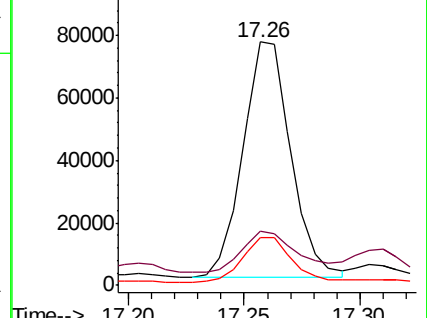
176 19.5 15.0 22.6



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



#76

Fluoranthene

Concen: 1.032 ng/ul

RT: 19.27 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

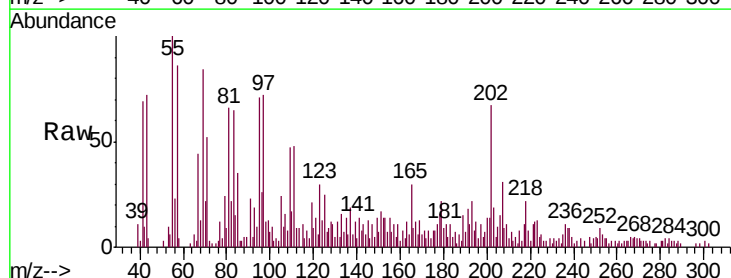
Tgt Ion:202 Resp: 14601

Ion Ratio Lower Upper

202 100

101 14.5 10.2 15.2

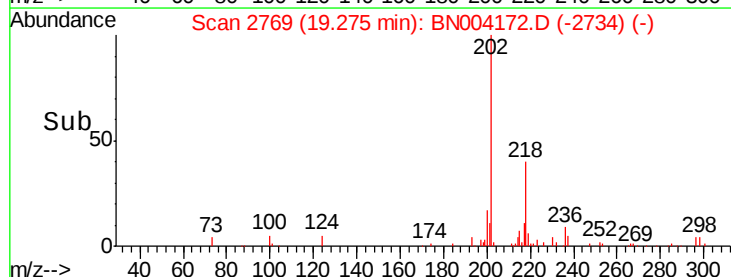
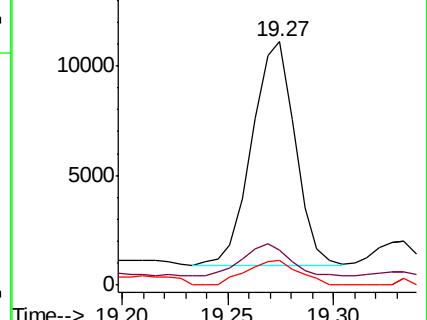
100 10.3 7.8 11.8

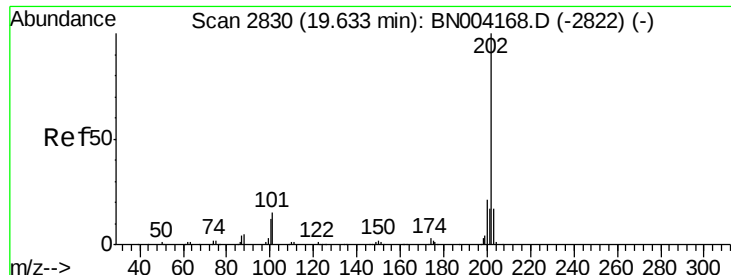


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 1.513 ng/ul

RT: 19.64 min Scan# 2831

Delta R.T. 0.01 min

Lab File: BN004172.D

Acq: 21 Dec 2018 22:13

Instrument :

BNA_N

ClientSampleId :

F9H34

Tgt Ion:202 Resp: 20453

Ion Ratio Lower Upper

202 100

101 21.7 12.2 18.2#

100 13.4 9.9 14.9

