

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111820\
 Data File : BN012603.D
 Acq On : 18 Nov 2020 20:42
 Operator : CG/JU
 Sample : L4726-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBGf2

Quant Time: Nov 19 03:46:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN102220.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 14:31:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	144319	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	617982	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.10	164	405485	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	880314	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	886365	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	925174	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	20489	5.06	ng/uL	0.00
5) Phenol-d5	6.63	99	81076	6.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	261016	33.75	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	272391	26.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	167118	15.57	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	167485	33.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	198910	35.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	318241	29.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	38994	3.69	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	1251317	37.78	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	1467714	37.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.33	143	35965	5.80	ng/ul	0.00
58) Fluorene-d10	15.10	176	1055195	36.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.24	200	244616	40.73	ng/ul	0.00
71) Anthracene-d10	16.96	188	1829055	40.90	ng/ul	0.00
79) Pyrene-d10	19.26	212	1969702	42.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	2117193	41.87	ng/ul	0.00

Target Compounds

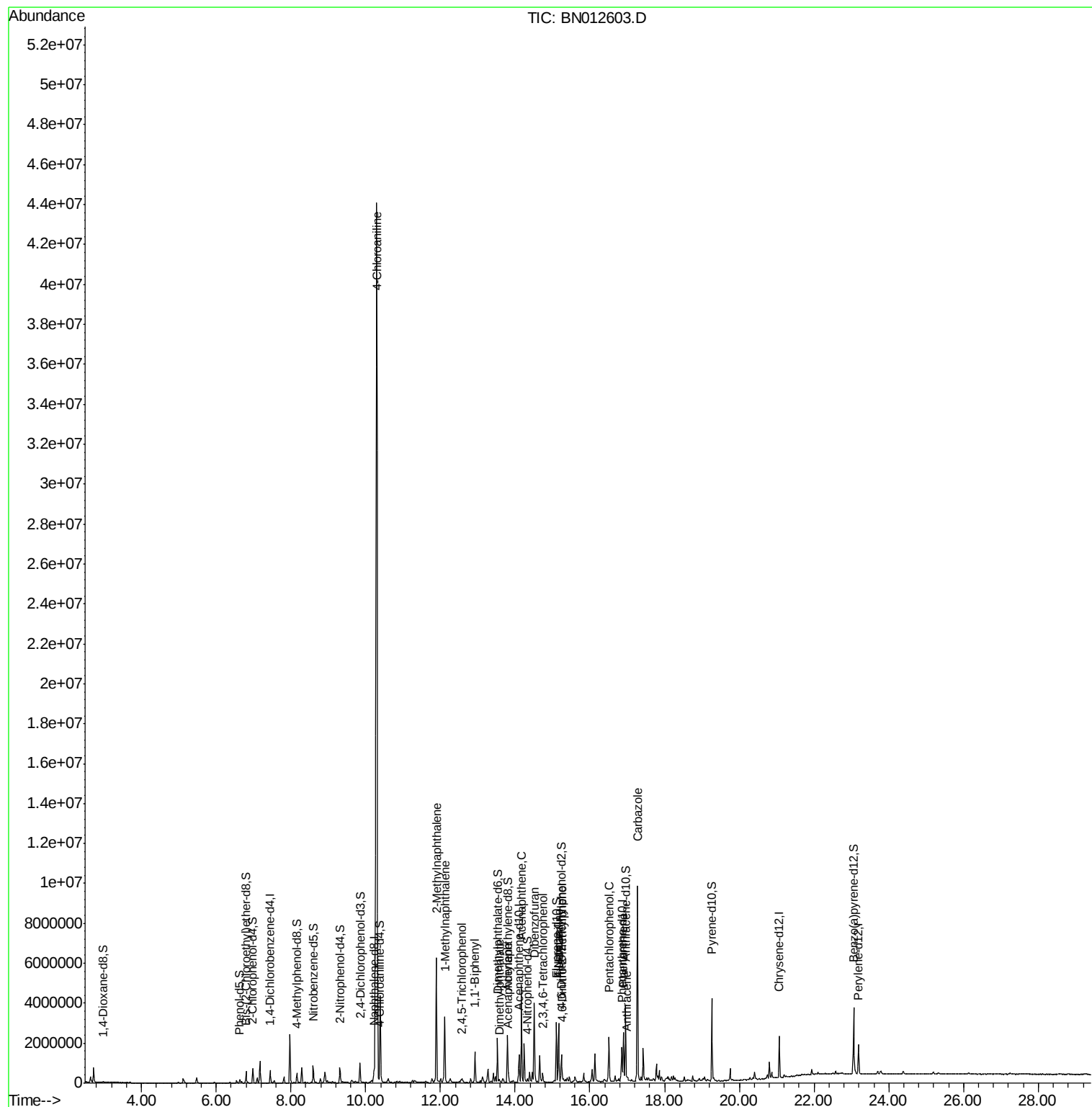
					Ovalue	
30) 4-Chloroaniline	10.30	127	7193091	706.476	ng/ul#	21
34) 2-Methylnaphthalene	11.89	142	2683299	107.620	ng/ul	100
35) 1-Methylnaphthalene	12.12	142	1363794	45.898	ng/uL	99
40) 2,4,5-Trichlorophenol	12.59	196	20586	2.357	ng/ul	92
41) 1,1'-Biphenyl	12.93	154	717237	21.341	ng/ul	95
45) Dimethylphthalate	13.57	163	77486	2.323	ng/ul	100
48) Acenaphthylene	13.82	152	192269	4.857	ng/ul	95
50) Acenaphthene	14.17	153	1773813	61.353	ng/ul	99
54) Dibenzofuran	14.51	168	2167723	54.085	ng/ul	94
56) 2,3,4,6-Tetrachlorophenol	14.74	232	68897	9.094	ng/ul	98
59) Fluorene	15.16	166	1184778	35.377	ng/ul	95
61) 4-Nitroaniline	15.16	138	16077	2.436	ng/ul#	16
64) 4,6-Dinitro-2-methylphenol	15.26	198	74864	11.747	ng/ul#	64
69) Pentachlorophenol	16.51	266	211330	30.399	ng/ul	91
70) Phenanthrene	16.90	178	1288961	23.816	ng/ul	97
72) Anthracene	16.99	178	104311	1.901	ng/ul	98
75) Carbazole	17.27	167	5714504	122.033	ng/ul	97

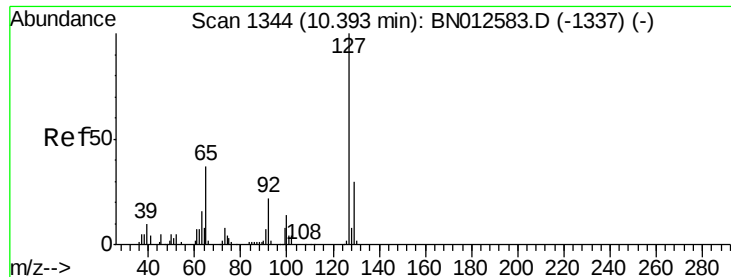
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#30

4-Chloroaniline

Concen: 706.476 ng/ul

RT: 10.30 min Scan# 1329

Delta R.T. -0.08 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

Instrument :

BNA_N

ClientSampleId :

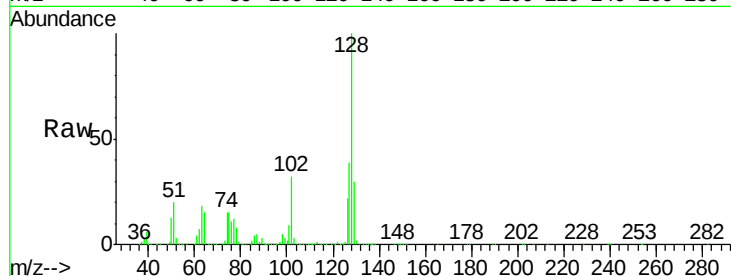
DBGF2

Tot Ion:127 Resp: 7193091

Ion Ratio Lower Upper

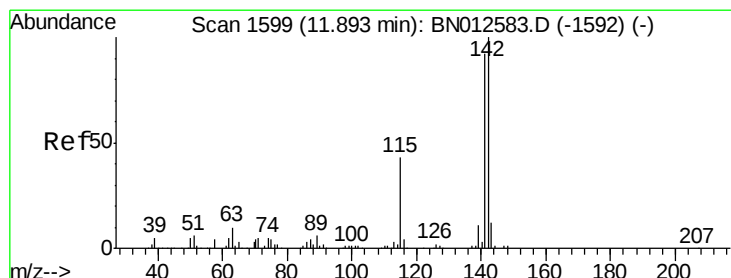
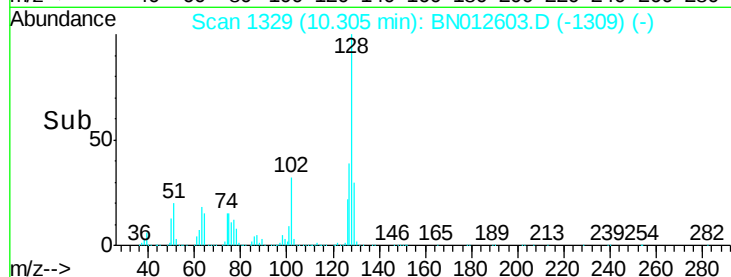
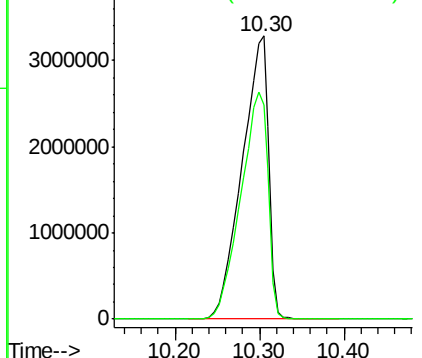
127 100

129 75.8 25.5 38.3#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 107.620 ng/ul

RT: 11.89 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BN012603.D

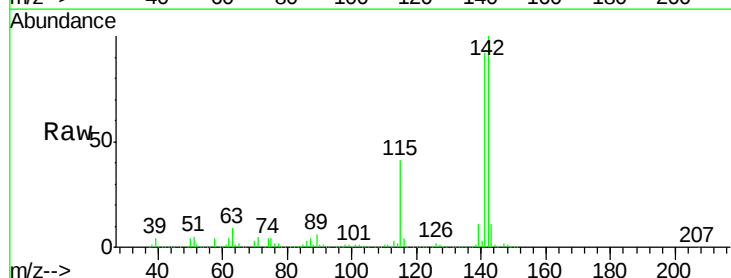
Acq: 18 Nov 2020 20:42

Tgt Ion:142 Resp: 2683299

Ion Ratio Lower Upper

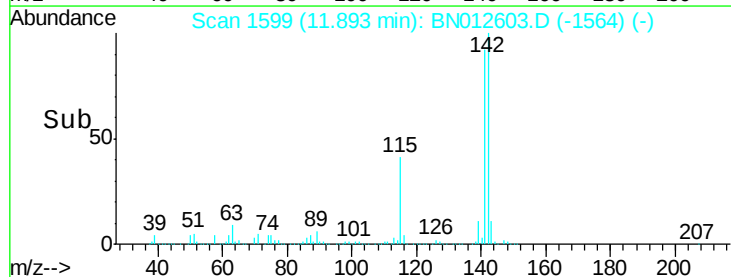
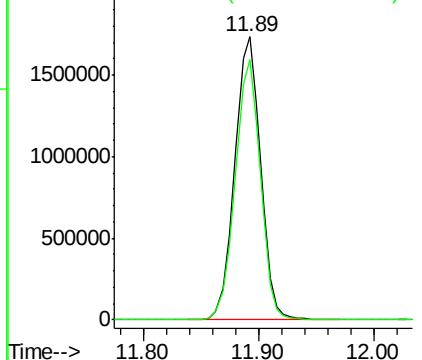
142 100

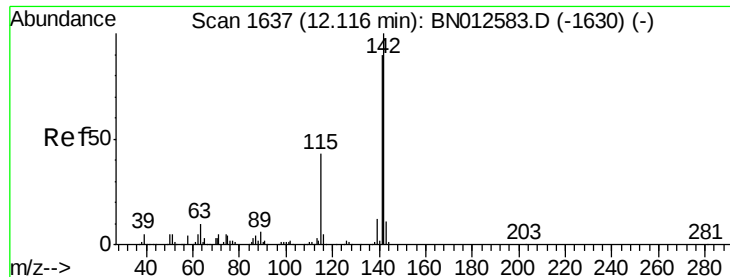
141 92.0 73.8 110.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 45.898 ng/uL

RT: 12.12 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

Instrument :

BNA_N

ClientSampleId :

DBGF2

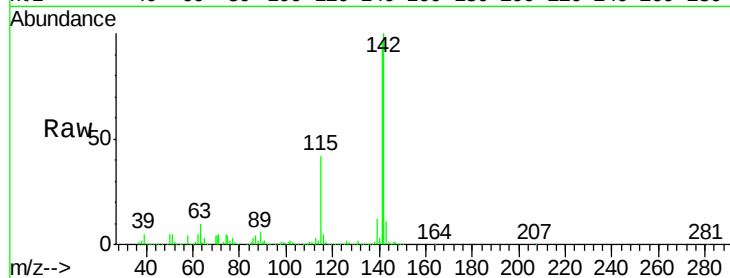
Tot Ion:142 Resp: 1363794

Ion Ratio Lower Upper

142 100

141 94.6 74.7 112.1

116 4.4 3.4 5.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

1200000

1000000

800000

600000

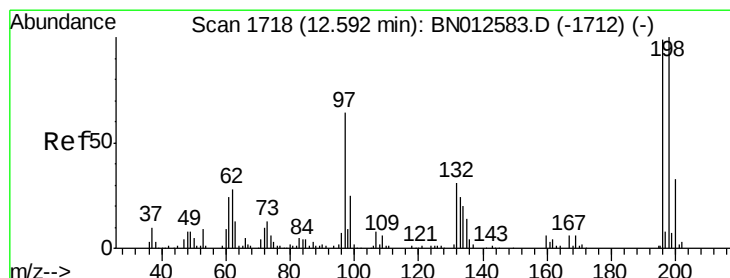
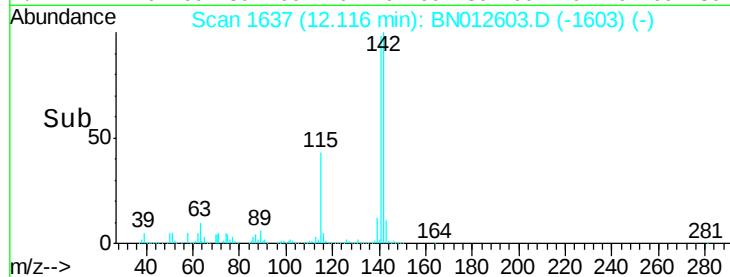
400000

200000

0

12.05 12.10 12.15 12.20

Time-->



#40

2,4,5-Trichlorophenol

Concen: 2.357 ng/uL

RT: 12.59 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

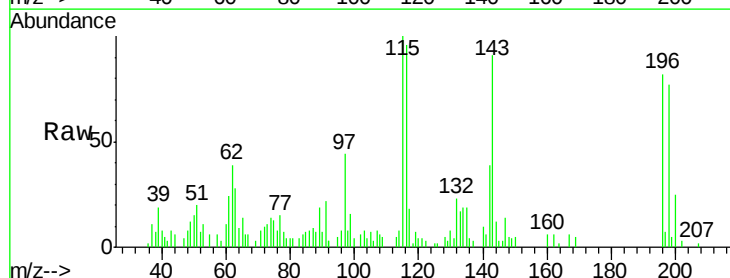
Tgt Ion:196 Resp: 20586

Ion Ratio Lower Upper

196 100

198 94.3 83.8 125.6

200 30.6 23.8 35.6



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

15000

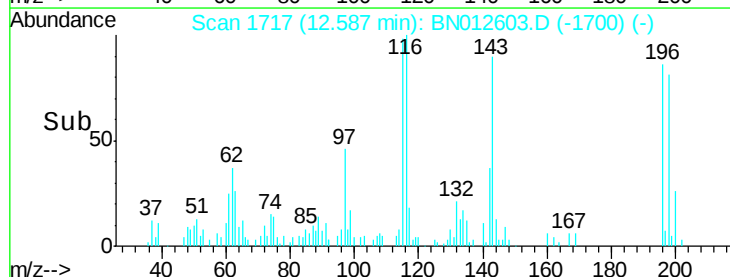
10000

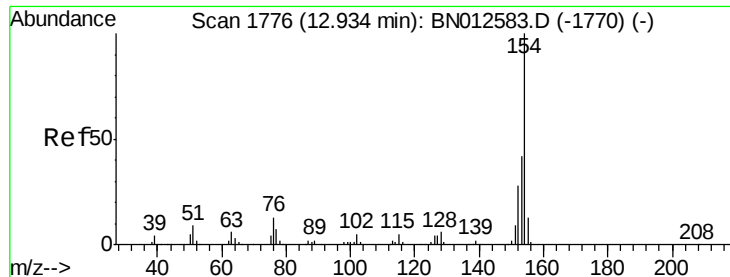
5000

0

12.55 12.60 12.65

Time-->

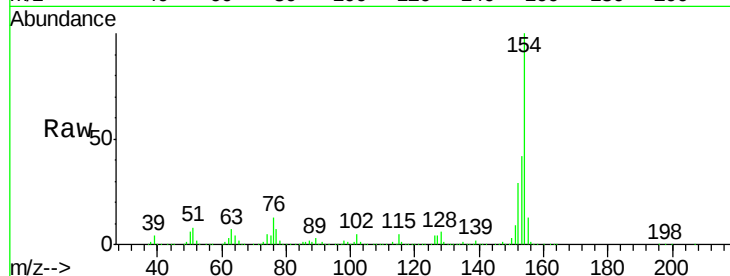




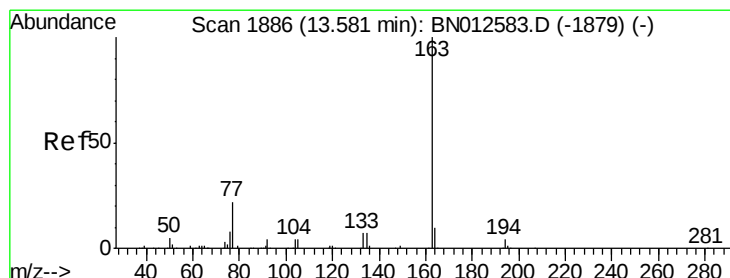
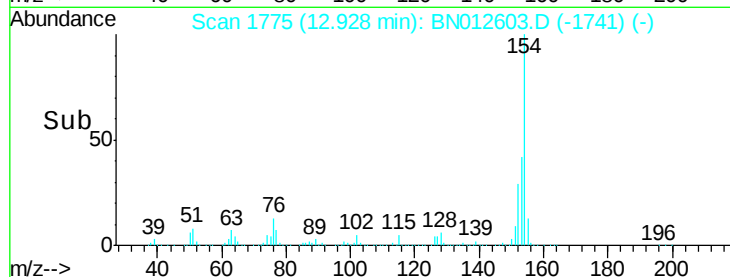
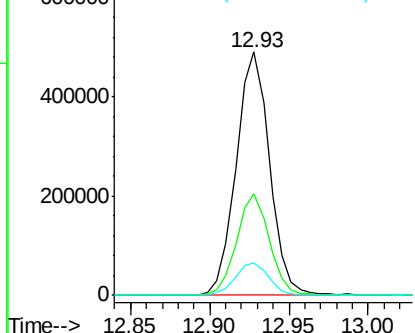
#41
1,1'-Biphenyl
Concen: 21.341 ng/ul
RT: 12.93 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BN012603.D
Acq: 18 Nov 2020 20:42

Instrument :
BNA_N
ClientSampleId :
DBGF2

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.9	31.4	47.0
76	13.5	9.3	13.9

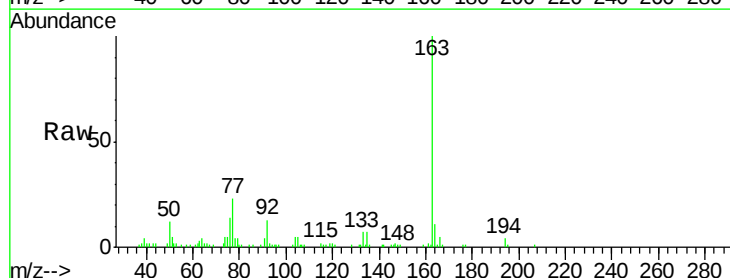


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC

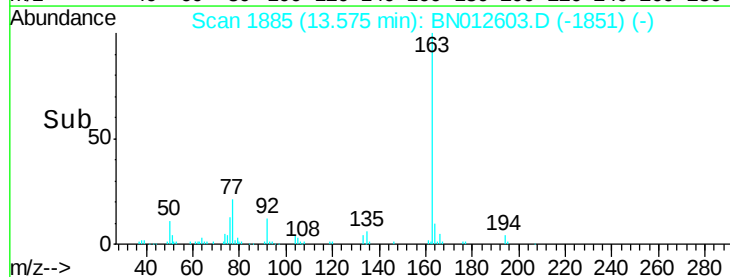
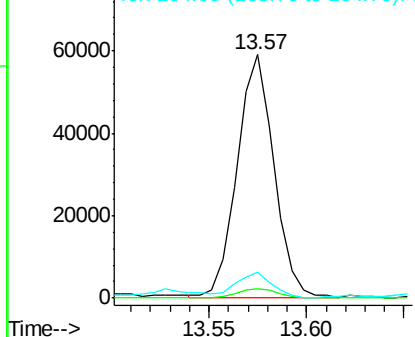


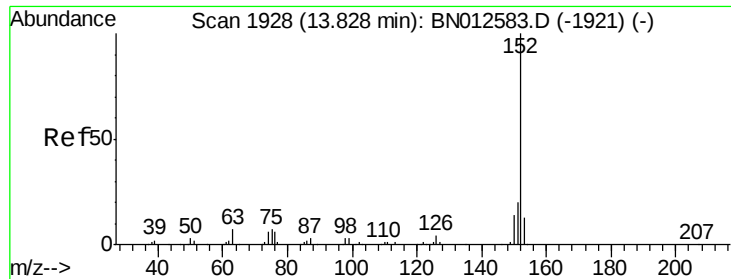
#45
Dimethylphthalate
Concen: 2.323 ng/ul
RT: 13.57 min Scan# 1885
Delta R.T. 0.00 min
Lab File: BN012603.D
Acq: 18 Nov 2020 20:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.9	8.6	13.0



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





#48

Acenaphthylene

Concen: 4.857 ng/ul

RT: 13.82 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

Instrument :

BNA_N

ClientSampleId :

DBGF2

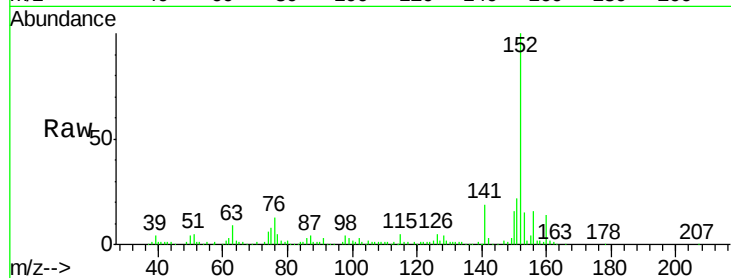
Tot Ion:152 Resp: 192269

Ion Ratio Lower Upper

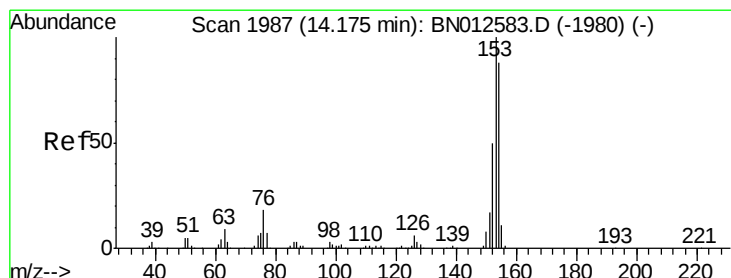
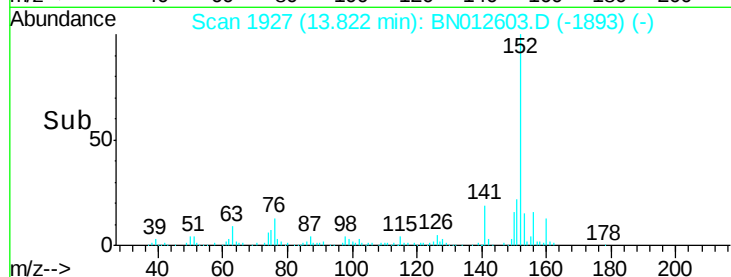
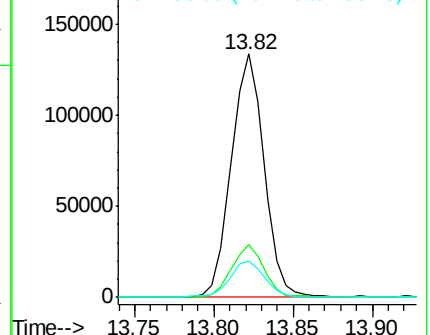
152 100

151 21.8 15.5 23.3

153 14.7 10.5 15.7



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



#50

Acenaphthene

Concen: 61.353 ng/ul

RT: 14.17 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

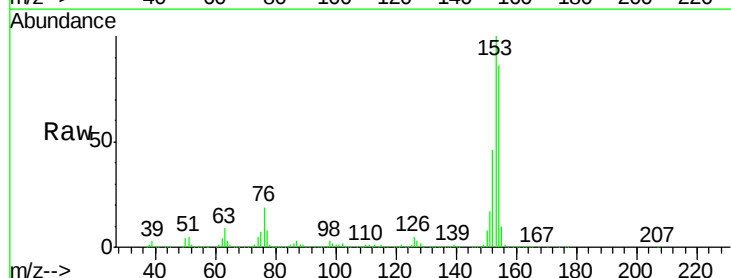
Tgt Ion:153 Resp: 1773813

Ion Ratio Lower Upper

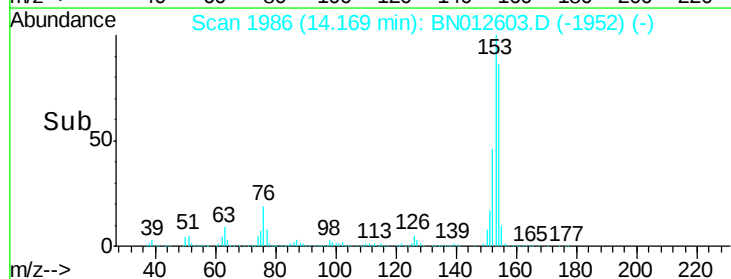
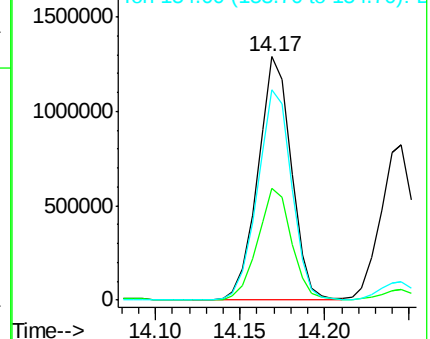
153 100

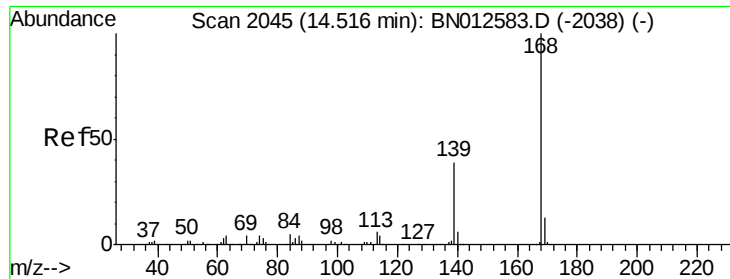
152 45.9 37.1 55.7

154 86.1 69.7 104.5



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





#54

Dibenzofuran

Concen: 54.085 ng/ul

RT: 14.51 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

Instrument :

BNA_N

ClientSampleId :

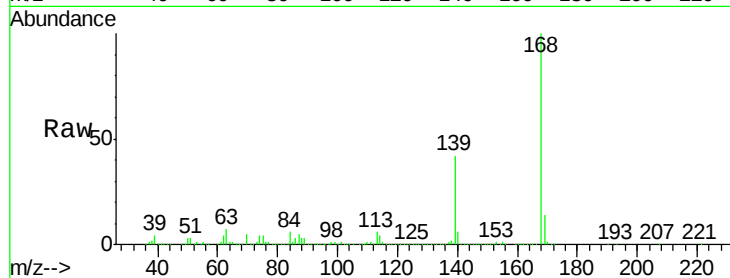
DBGF2

Tot Ion:168 Resp: 2167723

Ion Ratio Lower Upper

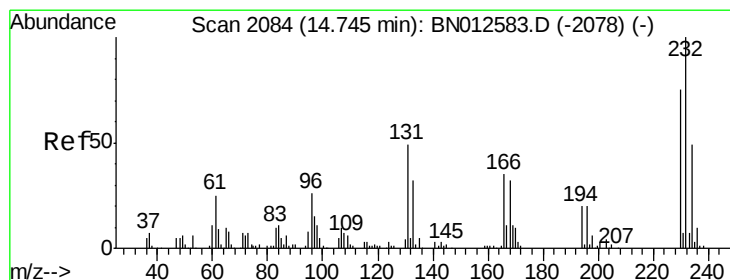
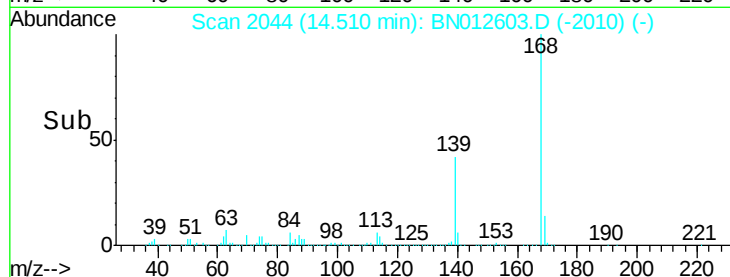
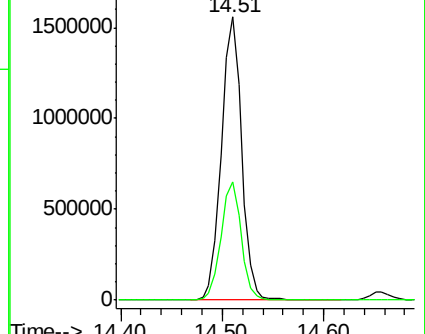
168 100

139 41.8 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

2,3,4,6-Tetrachlorophenol

Concen: 9.094 ng/ul

RT: 14.74 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

Tgt Ion:232 Resp: 68897

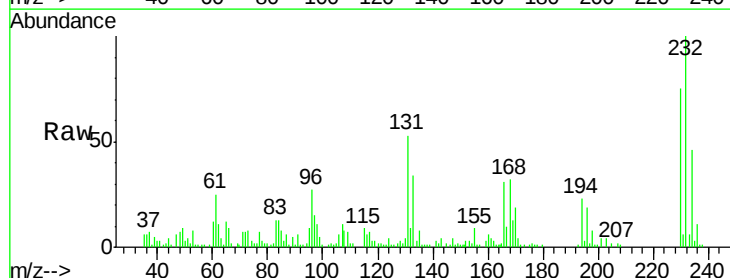
Ion Ratio Lower Upper

232 100

131 53.1 42.9 64.3

130 3.6 2.5 3.7

166 30.9 27.1 40.7

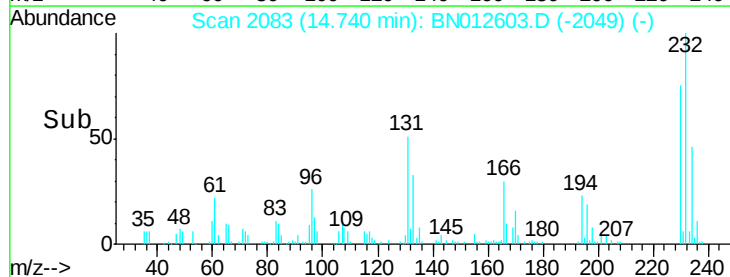
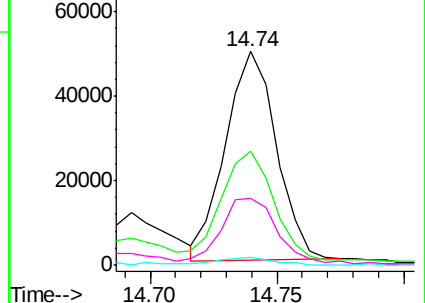


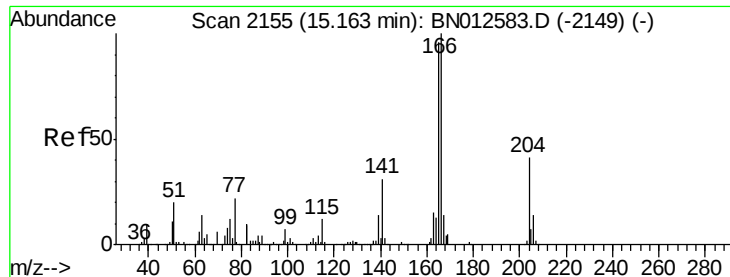
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Fluorene

Concen: 35.377 ng/ul

RT: 15.16 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

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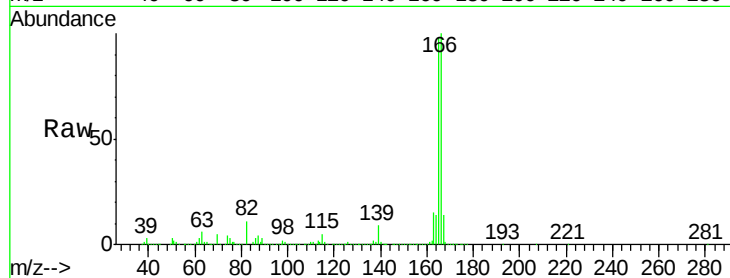
Tot Ion:166 Resp: 1184778

Ion Ratio Lower Upper

166 100

165 98.0 83.3 124.9

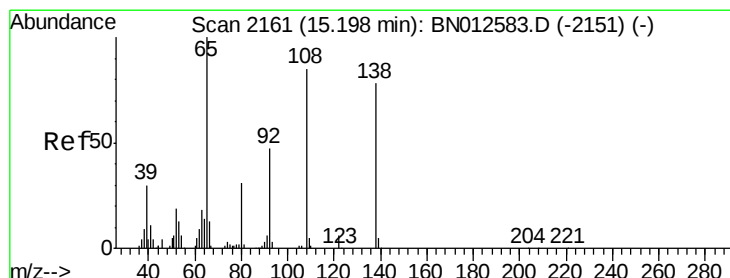
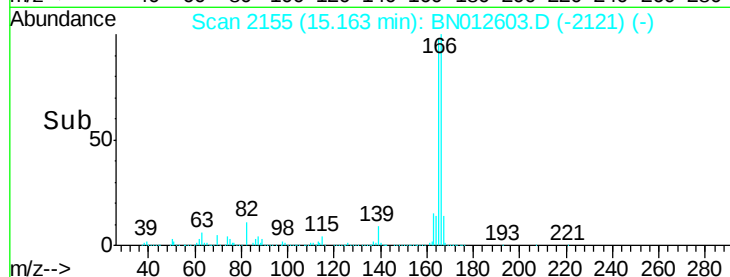
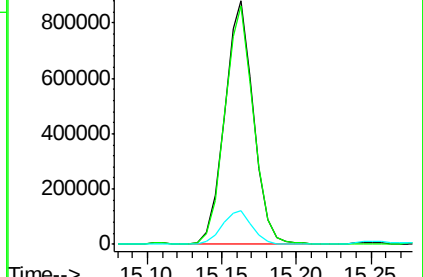
167 13.8 11.0 16.6



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



#61

4-Nitroaniline

Concen: 2.436 ng/ul

RT: 15.16 min Scan# 2154

Delta R.T. -0.04 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

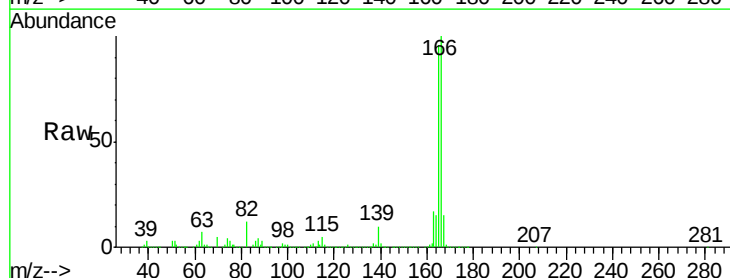
Tgt Ion:138 Resp: 16077

Ion Ratio Lower Upper

138 100

92 5.3 47.0 70.4#

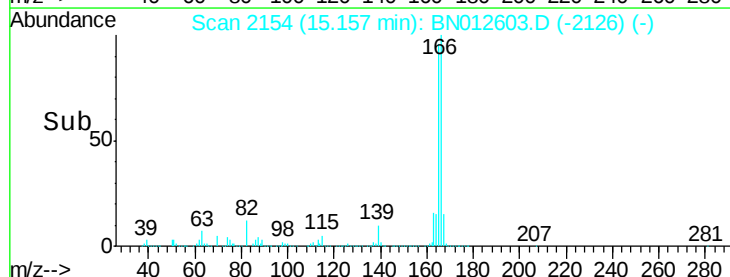
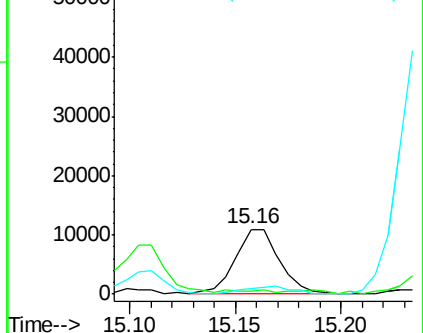
108 8.4 79.8 119.6#

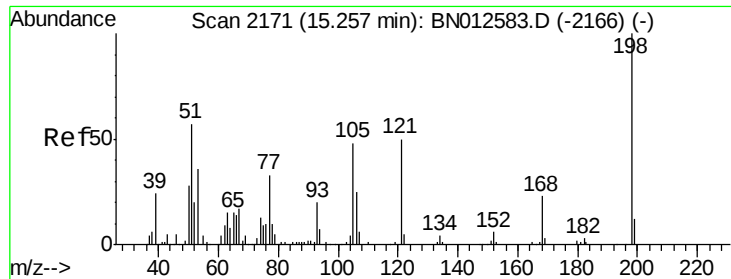


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNO

Ion 108.00 (107.70 to 108.70): E

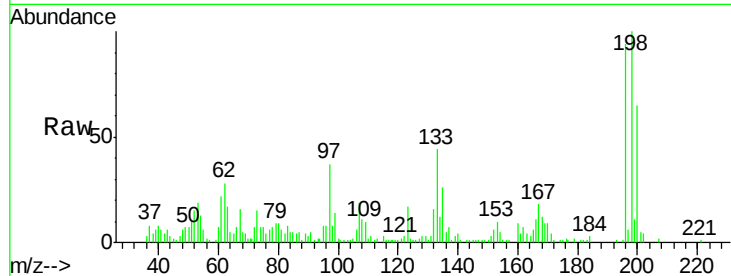




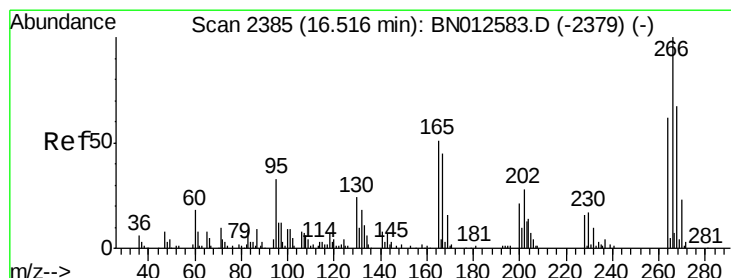
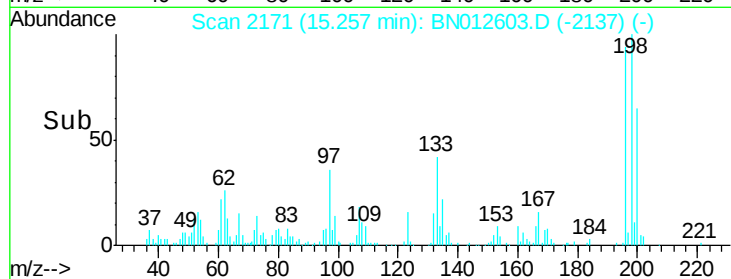
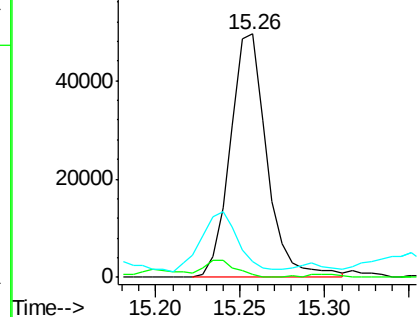
#64
4,6-Dinitro-2-methylphenol
Concen: 11.747 ng/ul
RT: 15.26 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN012603.D
Acq: 18 Nov 2020 20:42

Instrument :
BNA_N
ClientSampleId :
DBGF2

Tot Ion:198 Resp: 74864
Ion Ratio Lower Upper
198 100
182 1.0 3.8 5.6#
77 6.3 22.0 33.0#

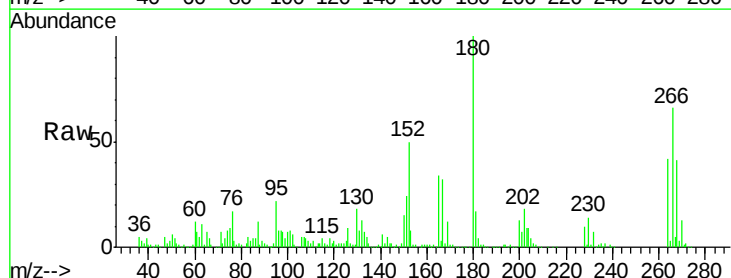


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BNC

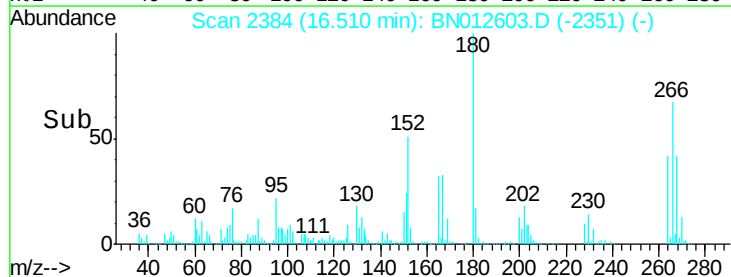
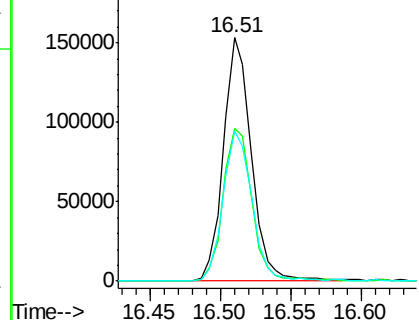


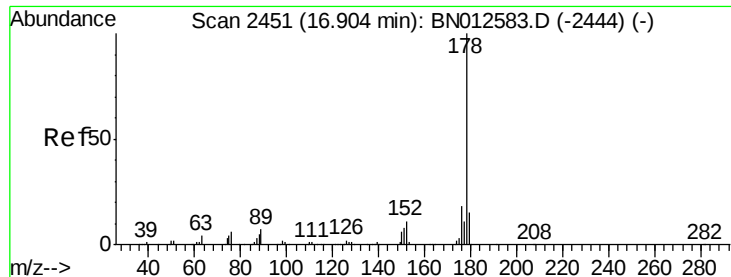
#69
Pentachlorophenol
Concen: 30.399 ng/ul
RT: 16.51 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BN012603.D
Acq: 18 Nov 2020 20:42

Tgt Ion:266 Resp: 211330
Ion Ratio Lower Upper
266 100
264 62.6 55.0 82.6
268 61.7 56.9 85.3



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





#70

Phenanthrene

Concen: 23.816 ng/ul

RT: 16.90 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

Instrument :

BNA_N

ClientSampleId :

DBGF2

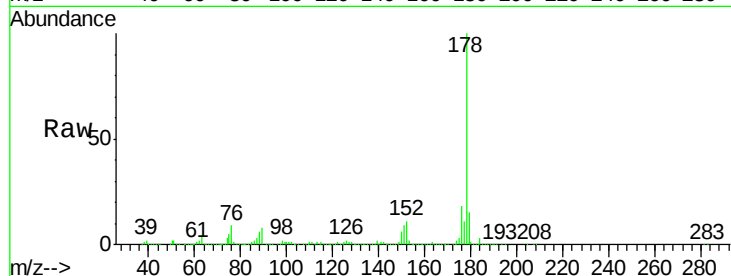
Tot Ion:178 Resp: 1288961

Ion Ratio Lower Upper

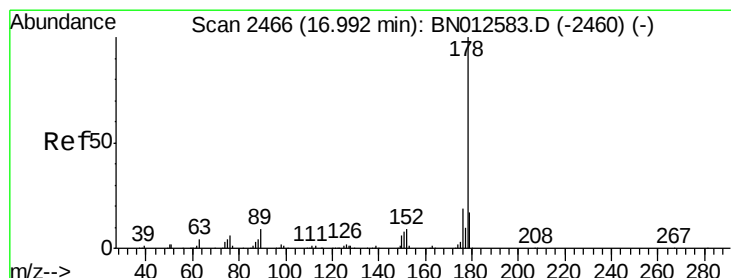
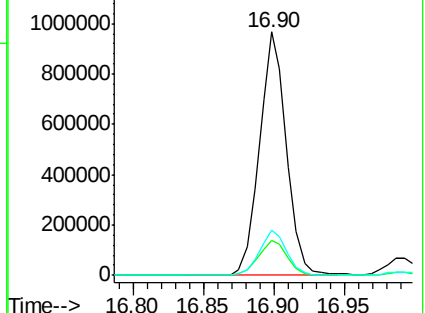
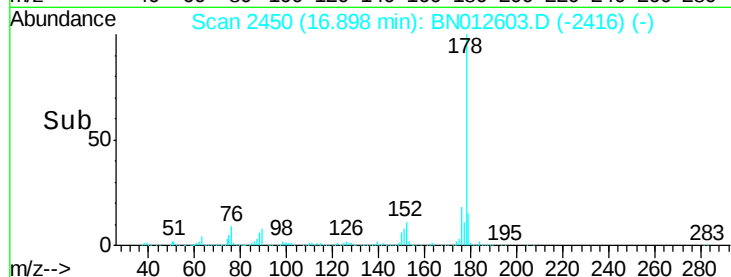
178 100

179 14.6 13.1 19.7

176 18.3 15.4 23.0



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



#72

Anthracene

Concen: 1.901 ng/ul

RT: 16.99 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BN012603.D

Acq: 18 Nov 2020 20:42

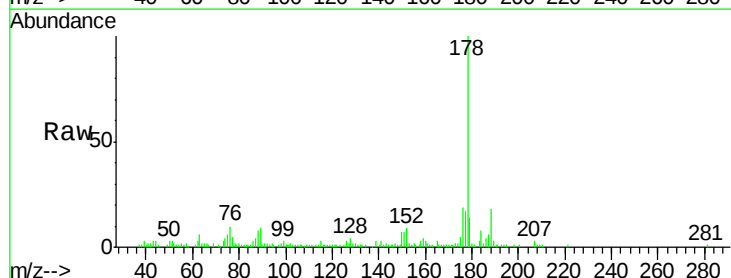
Tgt Ion:178 Resp: 104311

Ion Ratio Lower Upper

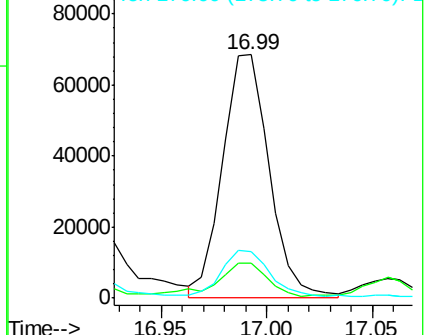
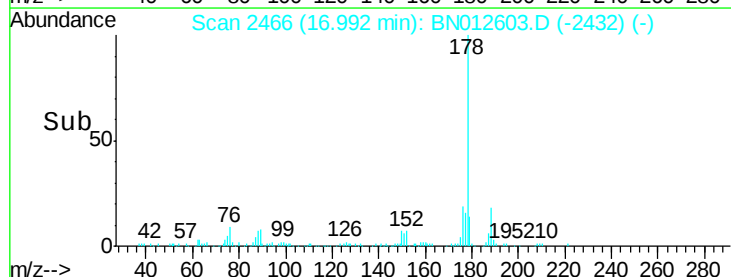
178 100

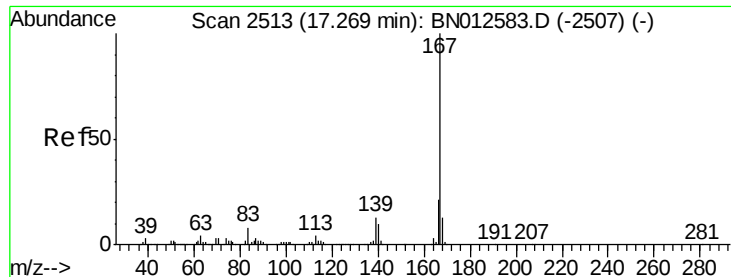
179 14.4 12.4 18.6

176 19.2 14.8 22.2



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

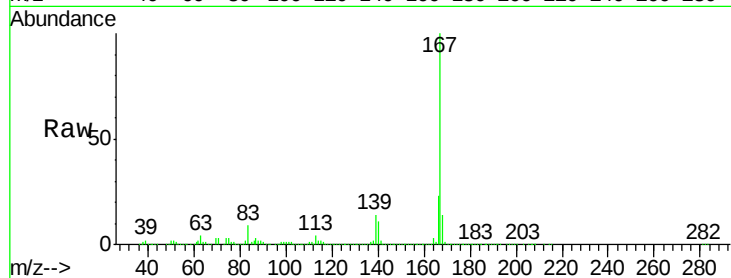




#75
 Carbazole
 Concen: 122.033 ng/ul
 RT: 17.27 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BN012603.D
 Acq: 18 Nov 2020 20:42

Instrument :
 BNA_N
 ClientSampleId :
 DBGf2

Tot Ion:167 Resp: 5714504
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.8 26.8
 139 14.3 10.4 15.6



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

