

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\
 Data File : BN010298.D
 Acq On : 19 Mar 2020 21:03
 Operator : CG/JU
 Sample : L1161-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Mar 20 01:24:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3785	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13119	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	7958	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	19252	0.40	ng	0.00
27) Chrysene-d12	21.19	240	21347	0.40	ng	0.00
34) Perylene-d12	23.36	264	21469	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	2874	0.38	ng	0.00
5) Phenol-d6	6.80	99	3541	0.38	ng	0.00
8) Nitrobenzene-d5	8.74	82	3046	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7103	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	935	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	11587	0.38	ng	0.00
25) Fluoranthene-d10	19.02	212	19718	0.34	ng	0.00
29) Terphenyl-d14	19.63	244	17279	0.37	ng	0.00

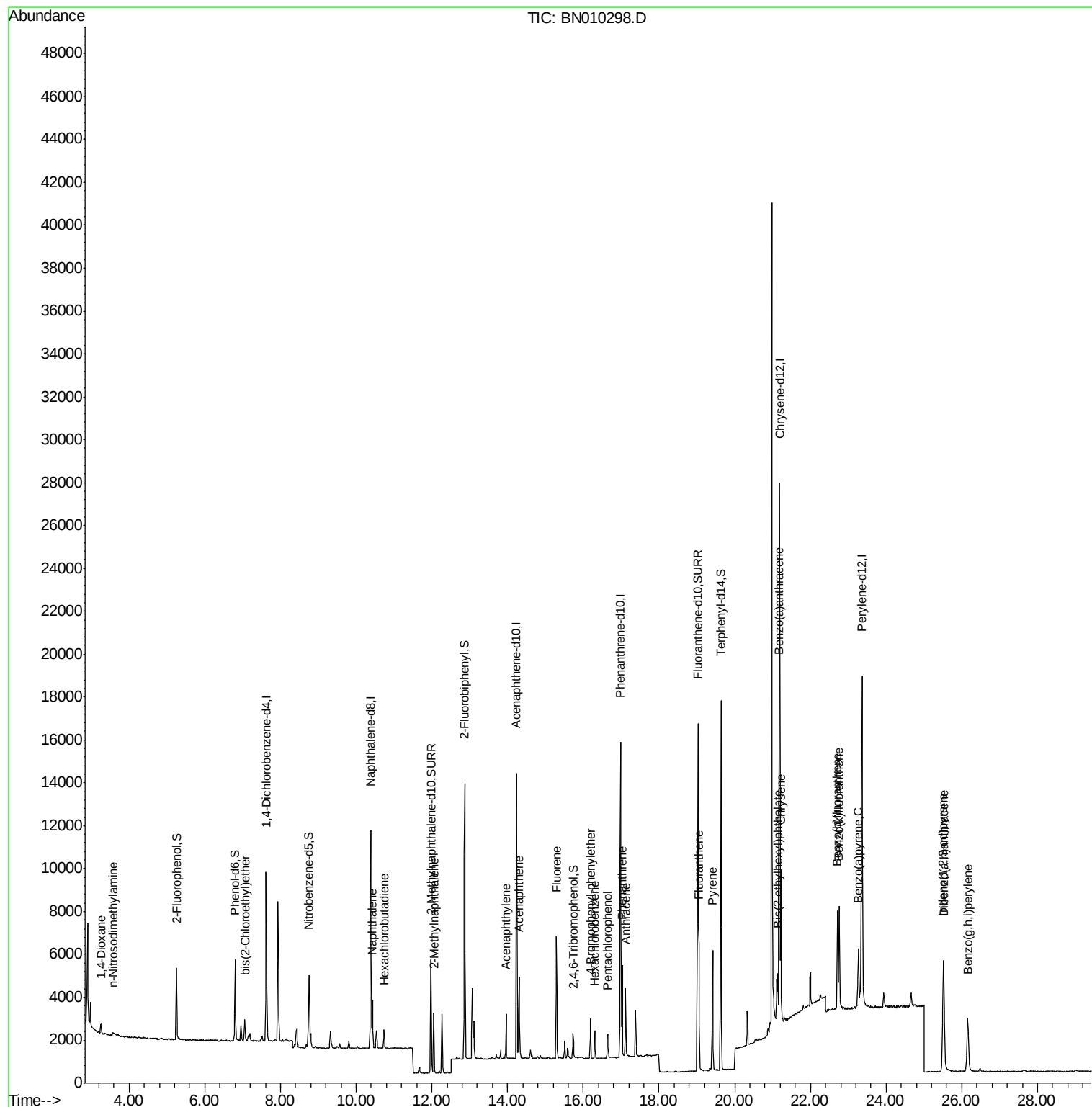
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	279	0.078	ng	# 92
3) n-Nitrosodimethylamine	3.58	42	179	0.060	ng	# 97
6) bis(2-Chloroethyl)ether	7.06	93	810	0.090	ng	97
9) Naphthalene	10.43	128	2920	0.089	ng	# 94
10) Hexachlorobutadiene	10.73	225	690	0.087	ng	# 98
12) 2-Methylnaphthalene	12.05	142	1979	0.087	ng	95
16) Acenaphthylene	13.96	152	2429	0.078	ng	100
17) Acenaphthene	14.30	154	1780	0.080	ng	95
18) Fluorene	15.29	166	2371	0.080	ng	100
20) 4-Bromophenyl-phenylether	16.19	248	873	0.075	ng	98
21) Hexachlorobenzene	16.31	284	1038	0.087	ng	98
22) Pentachlorophenol	16.65	266	696	0.170	ng	96
23) Phenanthrene	17.03	178	4323	0.082	ng	99
24) Anthracene	17.11	178	3536	0.078	ng	98
26) Fluoranthene	19.05	202	5268	0.081	ng	99
28) Pyrene	19.42	202	5228	0.079	ng	100
30) Benzo(a)anthracene	21.17	228	5432	0.080	ng	99
31) Chrysene	21.22	228	6090	0.084	ng	98
32) Bis(2-ethylhexyl)phthalate	21.13	149	1746	0.076	ng	98
33) Indeno(1,2,3-cd)pyrene	25.51	276	6384	0.082	ng	99
35) Benzo(b)fluoranthene	22.71	252	5448	0.075	ng	# 85
36) Benzo(k)fluoranthene	22.76	252	5788	0.078	ng	# 79
37) Benzo(a)pyrene	23.27	252	4397	0.071	ng	# 76
38) Dibenzo(a,h)anthracene	25.52	278	5310	0.080	ng	# 87
39) Benzo(g,h,i)perylene	26.15	276	5361	0.080	ng	95

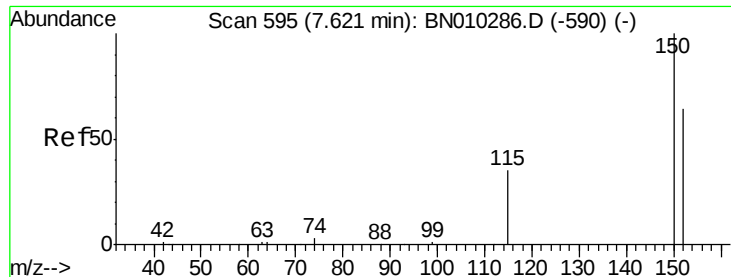
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

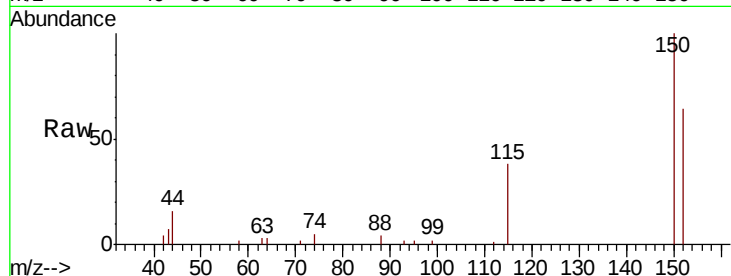
Tot Ion:152 Resp: 3785

Ion Ratio Lower Upper

152 100

150 156.1 123.1 184.7

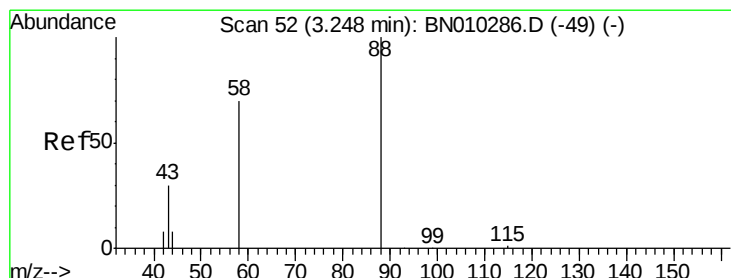
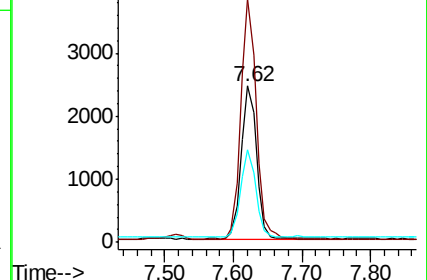
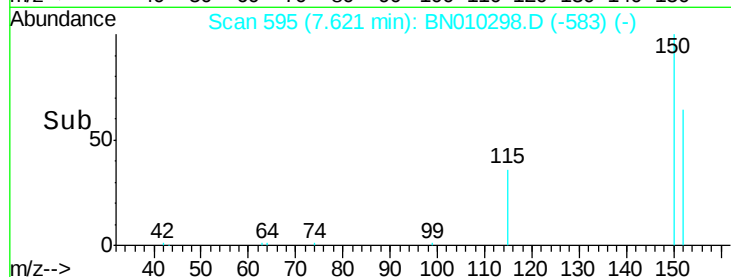
115 59.0 45.2 67.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.078 ng

RT: 3.26 min Scan# 53

Delta R.T. 0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

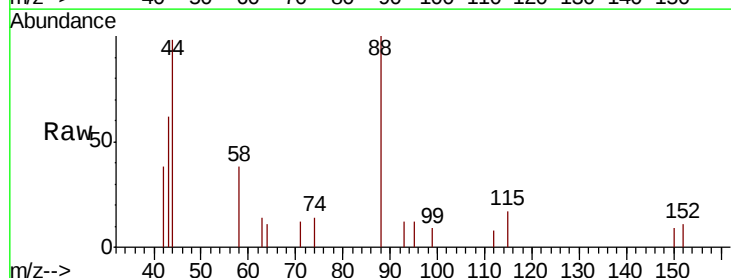
Tgt Ion: 88 Resp: 279

Ion Ratio Lower Upper

88 100

58 68.8 51.7 77.5

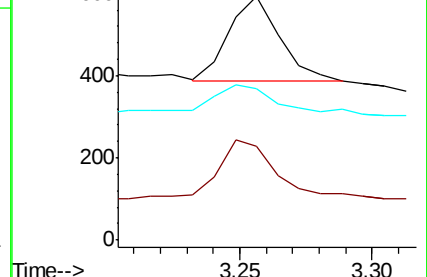
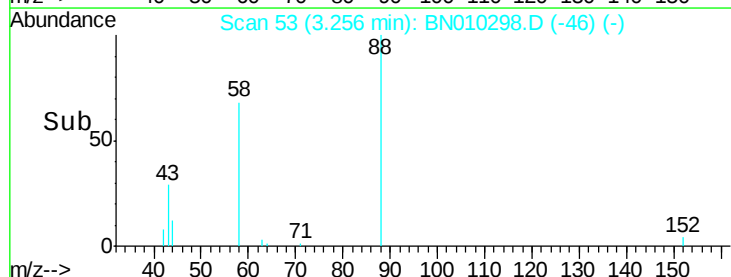
43 34.1 21.2 31.8#

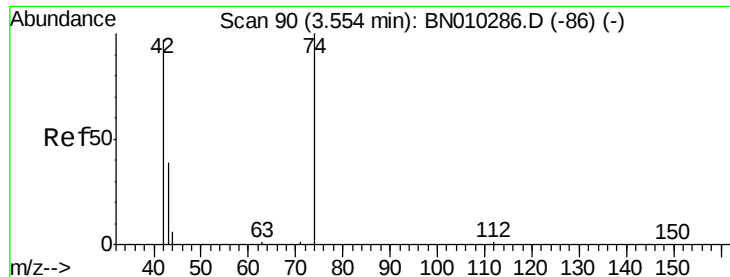


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.060 ng

RT: 3.58 min Scan# 93

Delta R.T. 0.02 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

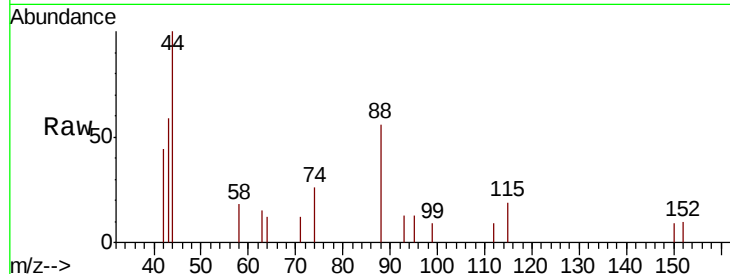
Tot Ion: 42 Resp: 179

Ion Ratio Lower Upper

42 100

74 121.2 99.4 149.0

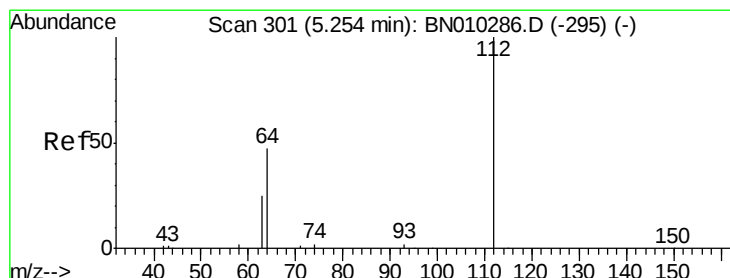
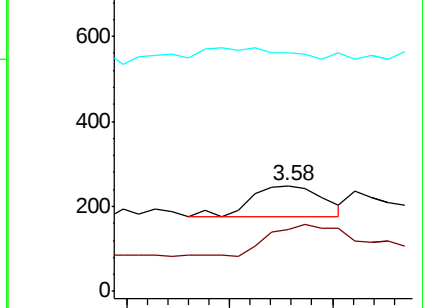
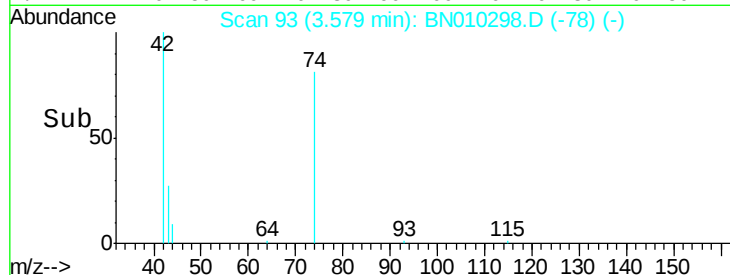
44 0.0 4.8 7.2#



Abundance Ion 42.00 (41.70 to 42.70): BN010298.D (-78) (-)

Ion 74.00 (73.70 to 74.70): BN010298.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BN010298.D (-78) (-)



#4

2-Fluorophenol

Concen: 0.384 ng

RT: 5.25 min Scan# 301

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

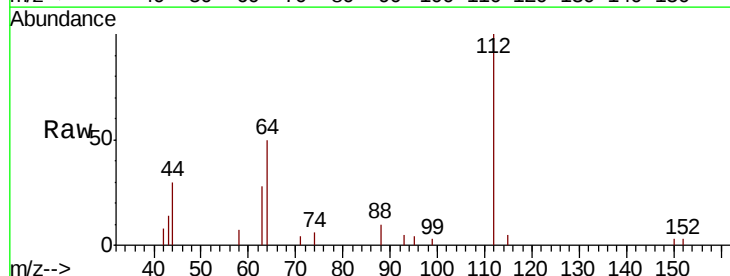
Tgt Ion: 112 Resp: 2874

Ion Ratio Lower Upper

112 100

64 51.5 41.4 62.2

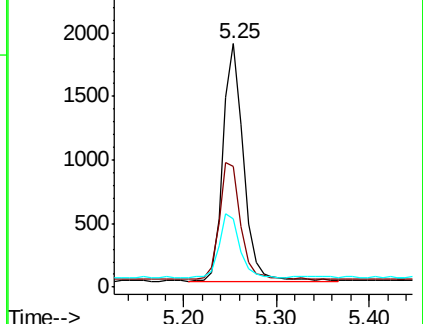
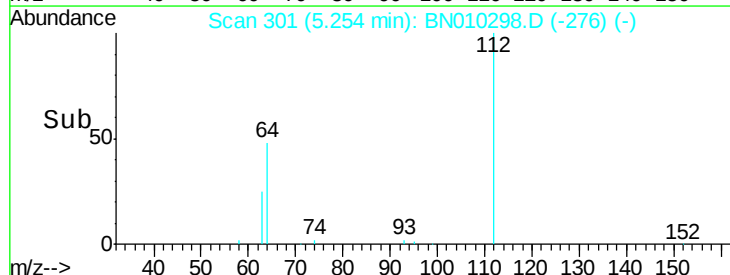
63 27.0 22.9 34.3

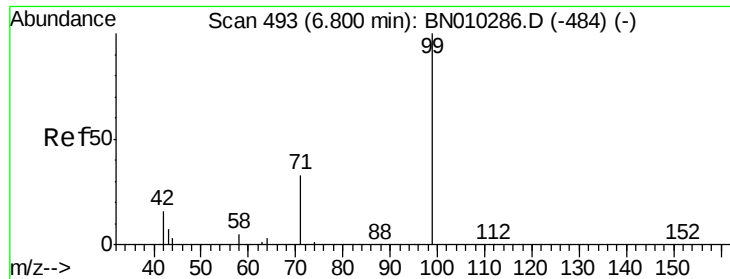


Abundance Ion 112.00 (111.70 to 112.70): BN010298.D (-276) (-)

Ion 64.00 (63.70 to 64.70): BN010298.D (-276) (-)

Ion 63.00 (62.70 to 63.70): BN010298.D (-276) (-)





#5

Phenol-d6

Concen: 0.380 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

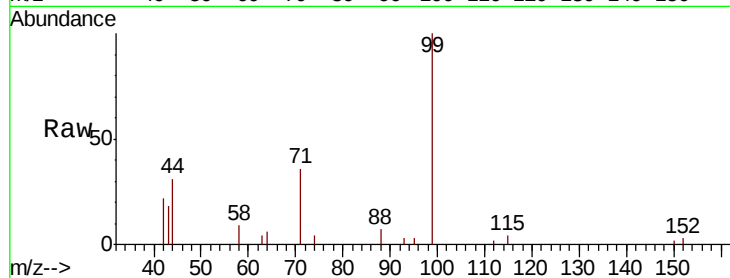
Tot Ion: 99 Resp: 3541

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

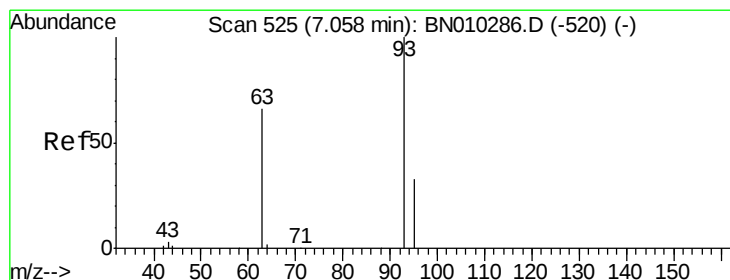
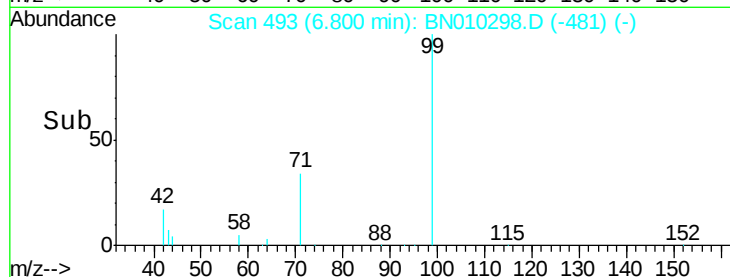
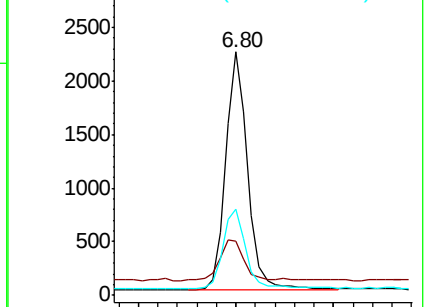
71 34.5 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN010298.D (-500) (-)

Ion 42.00 (41.70 to 42.70): BN010298.D (-500) (-)

Ion 71.00 (70.70 to 71.70): BN010298.D (-500) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.090 ng

RT: 7.06 min Scan# 525

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

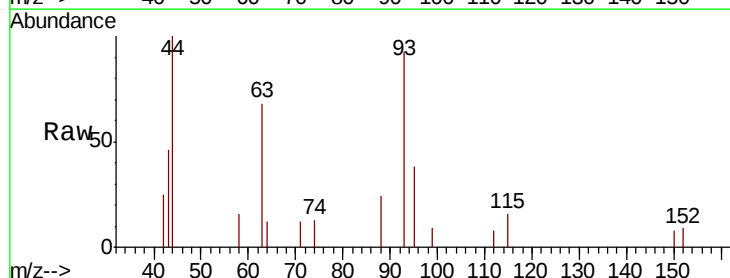
Tgt Ion: 93 Resp: 810

Ion Ratio Lower Upper

93 100

63 66.0 55.6 83.4

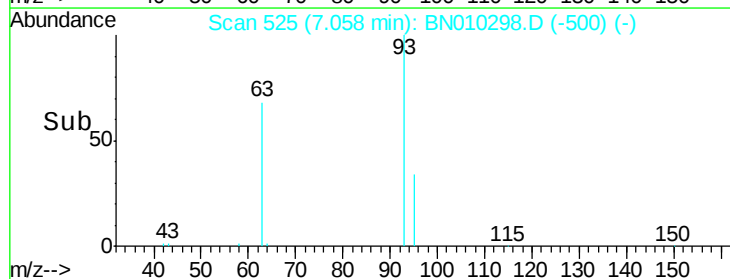
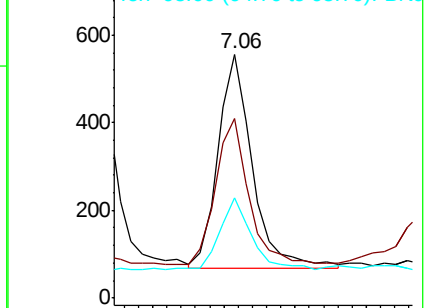
95 31.9 26.2 39.4

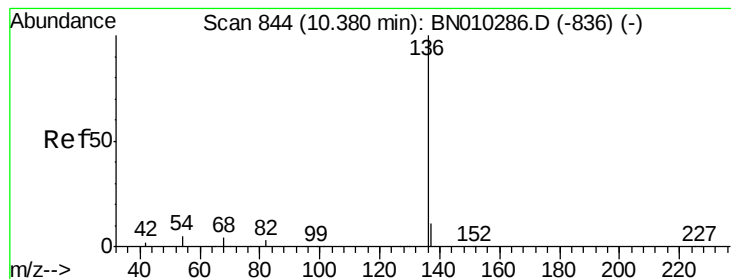


Abundance Ion 93.00 (92.70 to 93.70): BN010298.D (-500) (-)

Ion 63.00 (62.70 to 63.70): BN010298.D (-500) (-)

Ion 95.00 (94.70 to 95.70): BN010298.D (-500) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:136 Resp: 13119

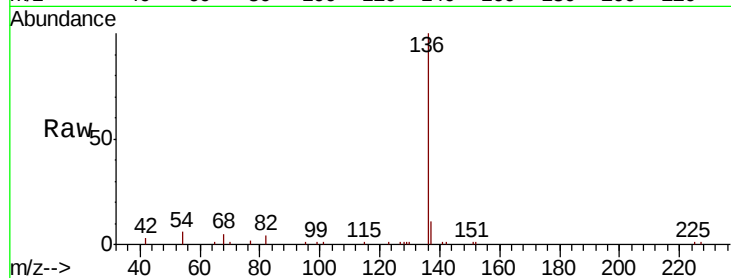
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 5.6 4.8 7.2

68 5.2 4.1 6.1

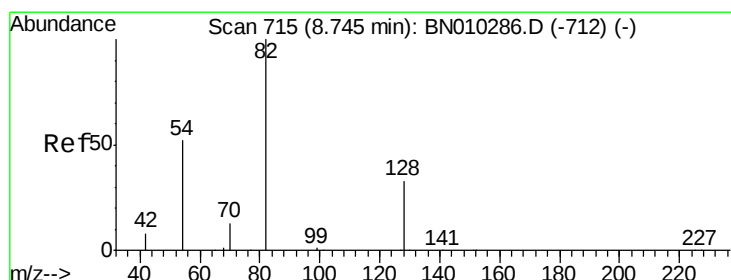
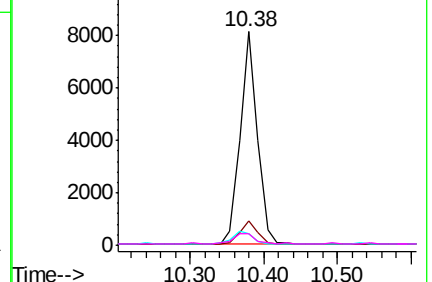
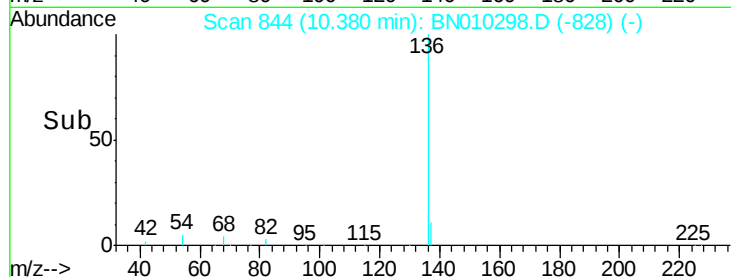


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.362 ng

RT: 8.74 min Scan# 715

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

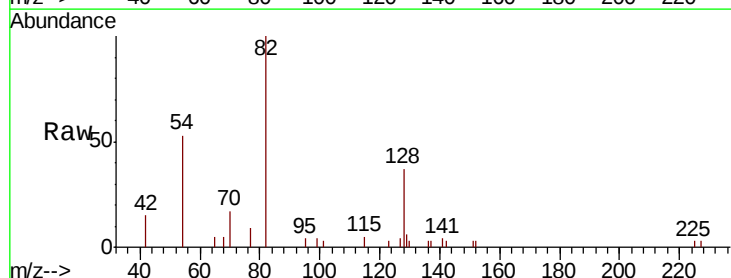
Tgt Ion: 82 Resp: 3046

Ion Ratio Lower Upper

82 100

128 37.0 28.8 43.2

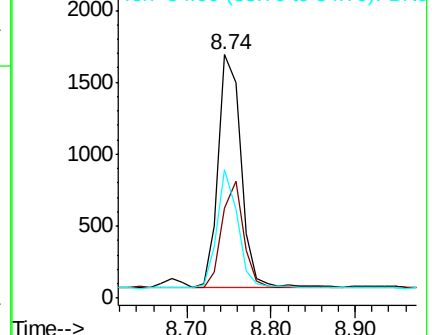
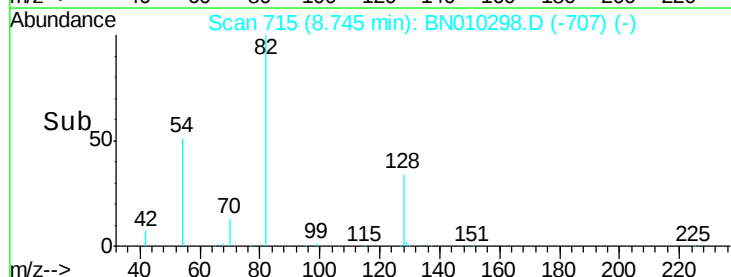
54 52.5 42.1 63.1

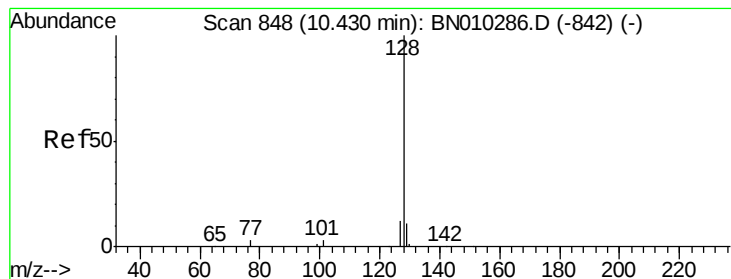


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.089 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.00 min

Lab File: BN010298.D

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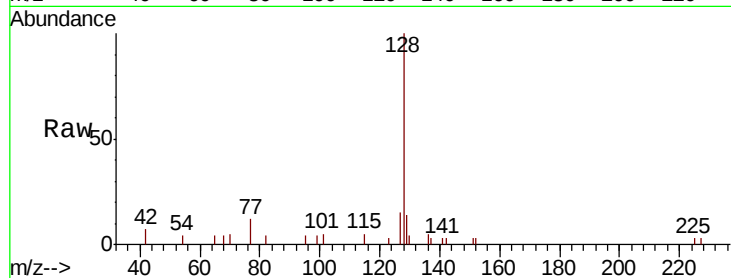
Tot Ion:128 Resp: 2920

Ion Ratio Lower Upper

128 100

129 14.1 9.1 13.7#

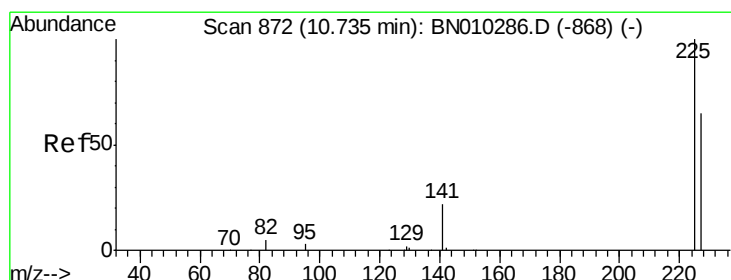
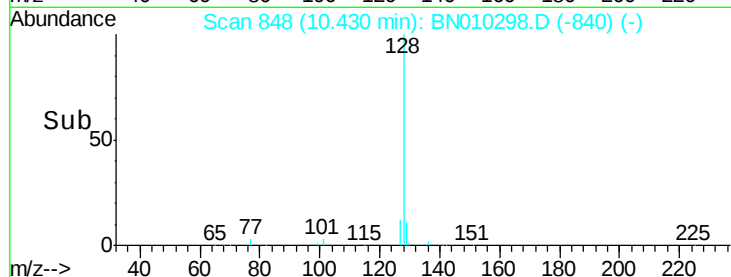
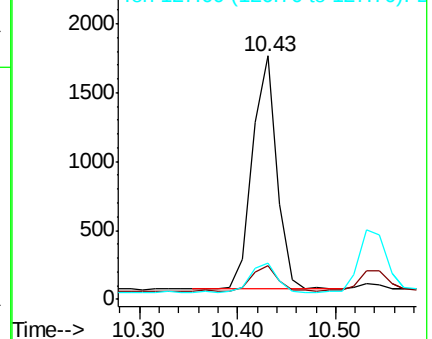
127 15.1 10.4 15.6



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



#10

Hexachlorobutadiene

Concen: 0.087 ng

RT: 10.73 min Scan# 872

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

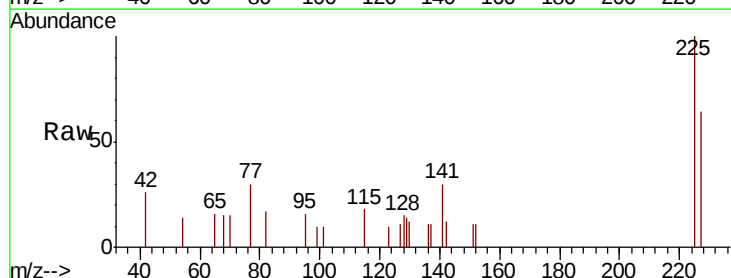
Tgt Ion:225 Resp: 690

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

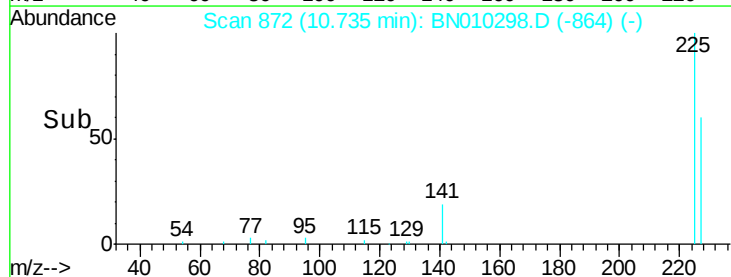
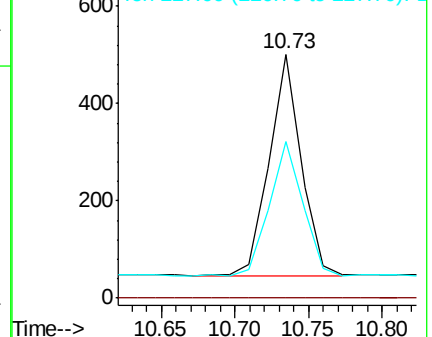
227 63.3 51.9 77.9

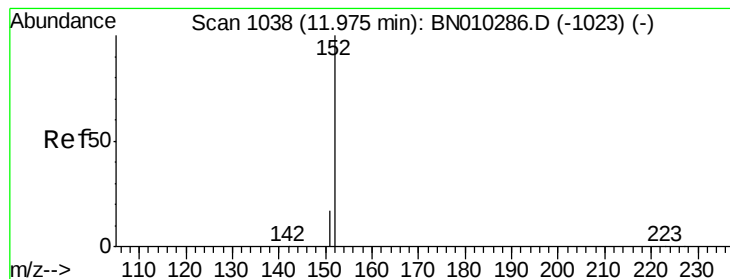


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.339 ng

RT: 11.97 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

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ClientSampleId :

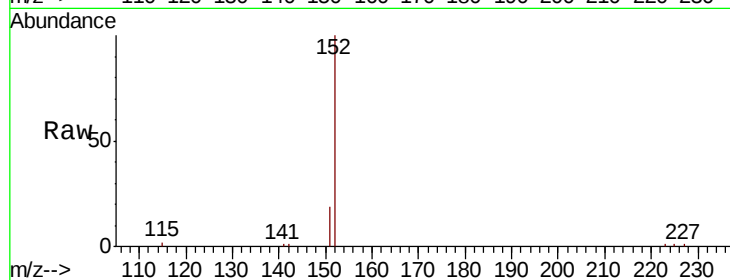
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:152 Resp: 7103

Ion Ratio Lower Upper

152 100

151 19.4 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.97

5000

4000

3000

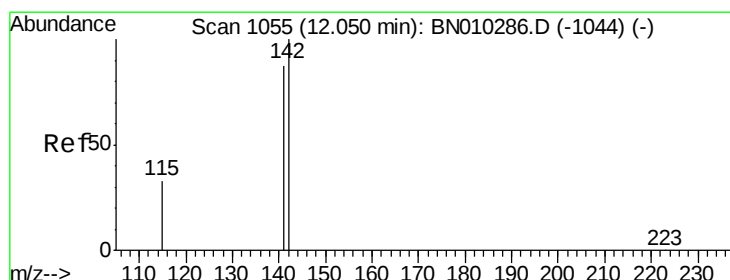
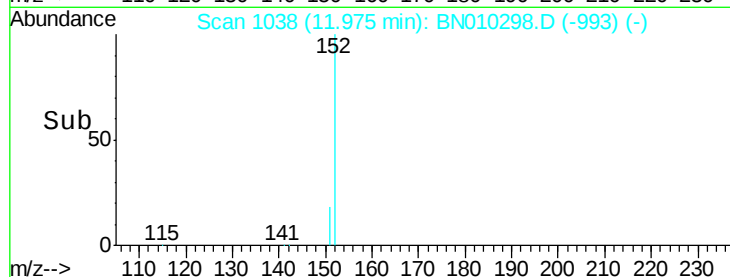
2000

1000

0

Time-->

11.90 12.00 12.10



#12

2-Methylnaphthalene

Concen: 0.087 ng

RT: 12.05 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

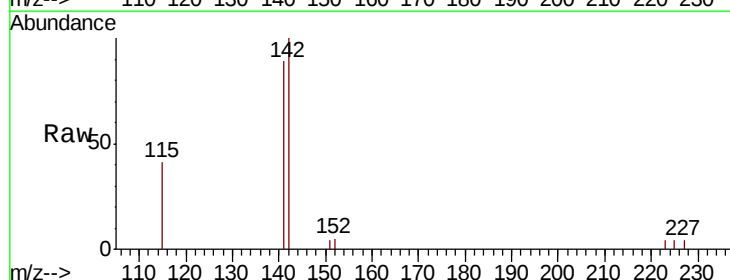
Tgt Ion:142 Resp: 1979

Ion Ratio Lower Upper

142 100

141 88.9 69.5 104.3

115 41.2 27.5 41.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.05

1500

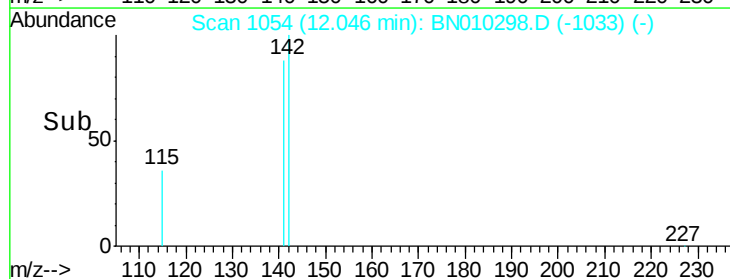
1000

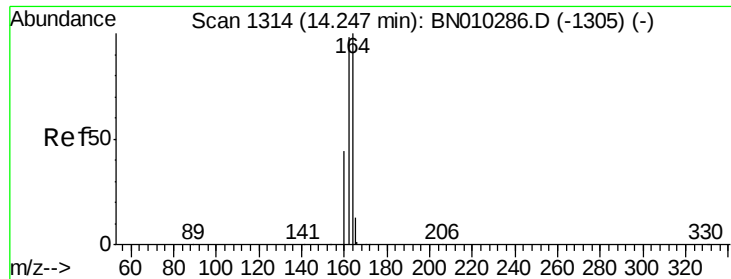
500

0

Time-->

12.00 12.05 12.10

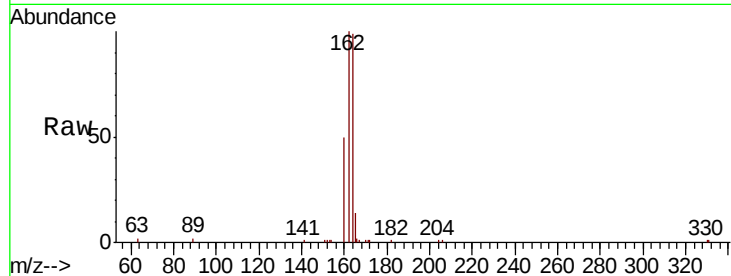




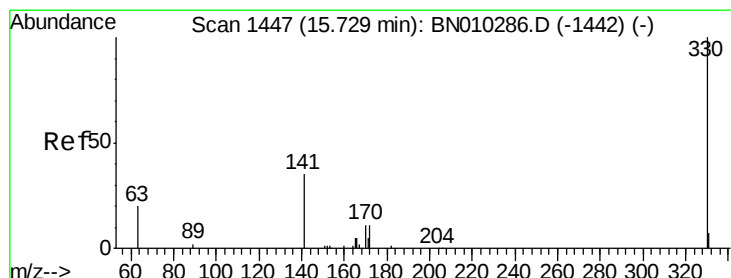
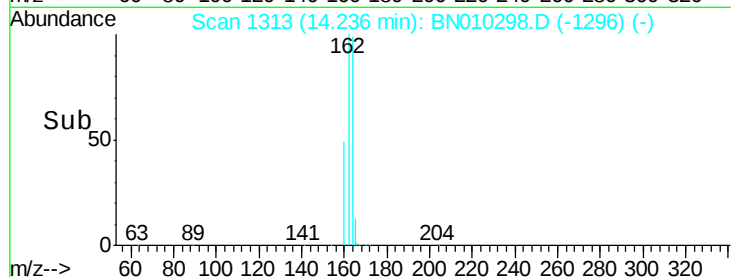
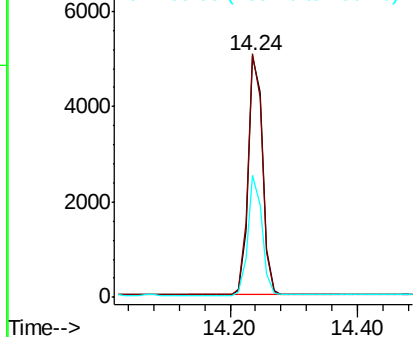
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:164 Resp: 7958
Ion Ratio Lower Upper
164 100
162 100.9 78.2 117.2
160 50.3 35.8 53.6

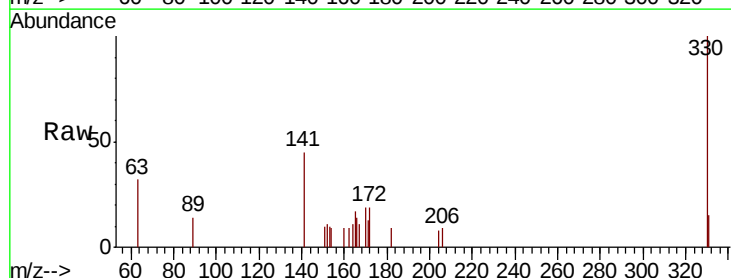


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

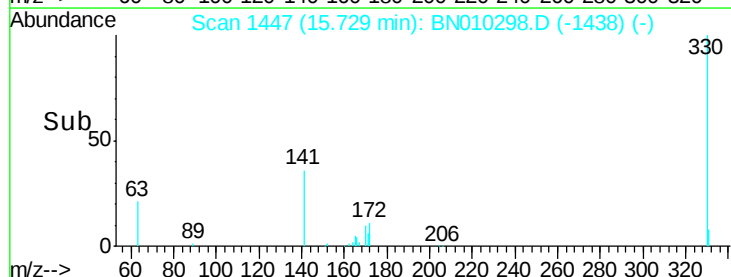
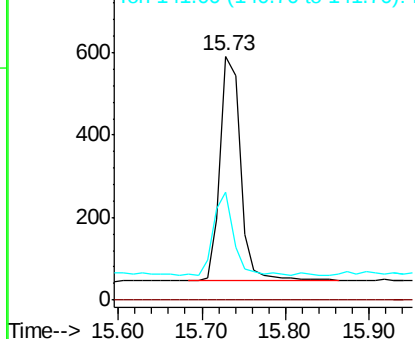


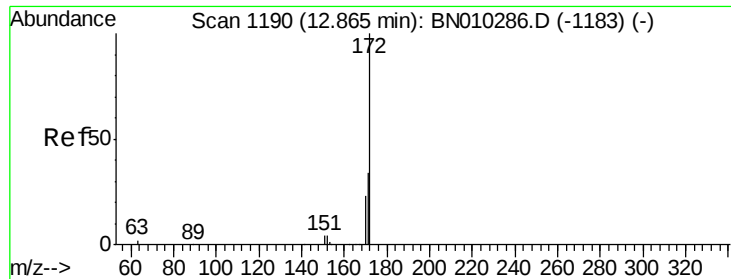
#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 15.73 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

Tgt Ion:330 Resp: 935
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.9 29.3 43.9



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

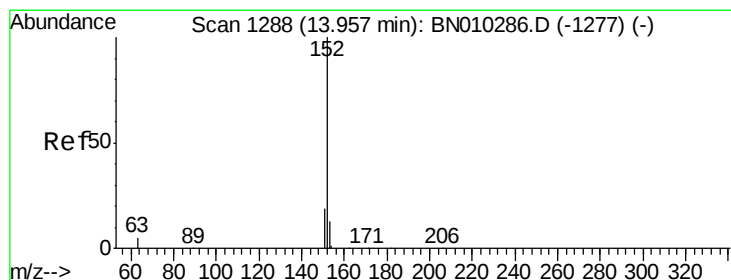
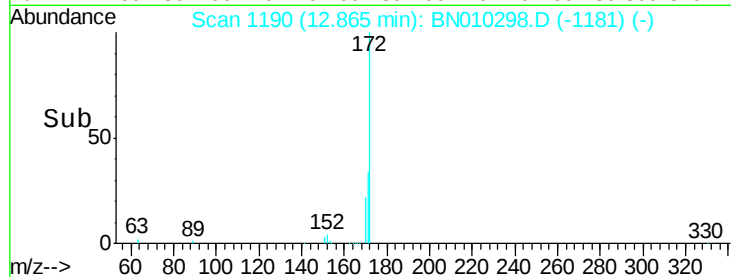
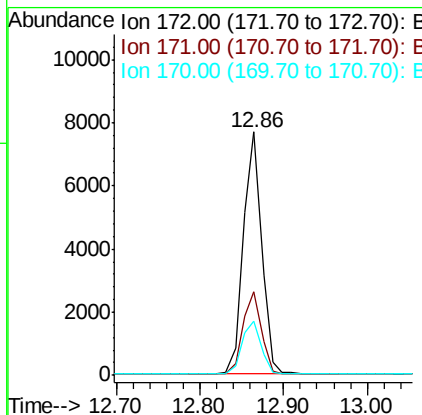
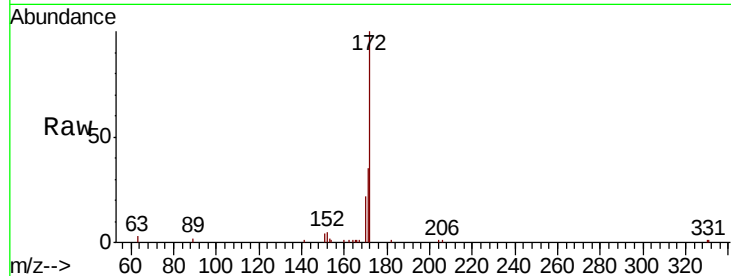




#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

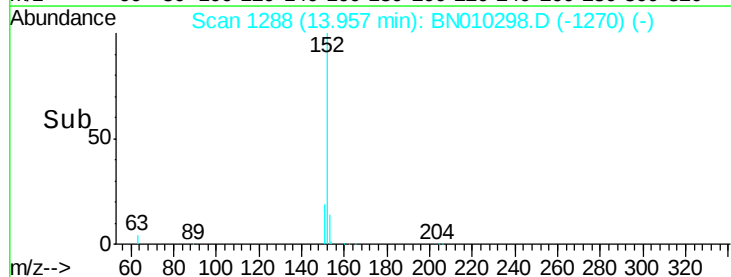
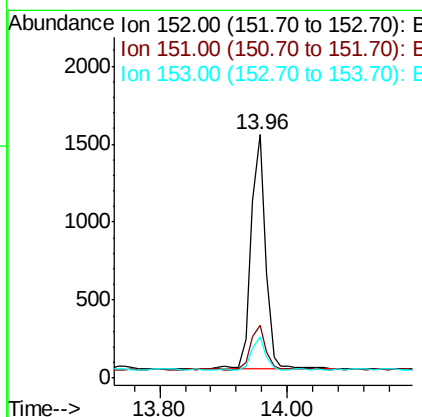
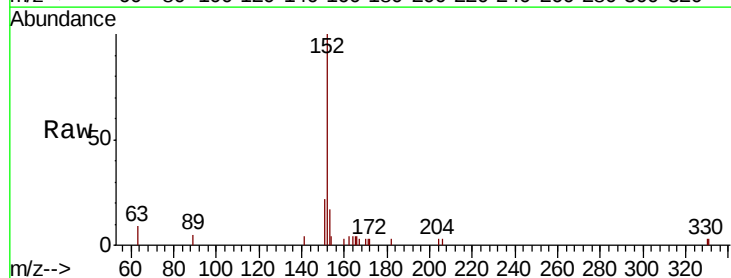
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

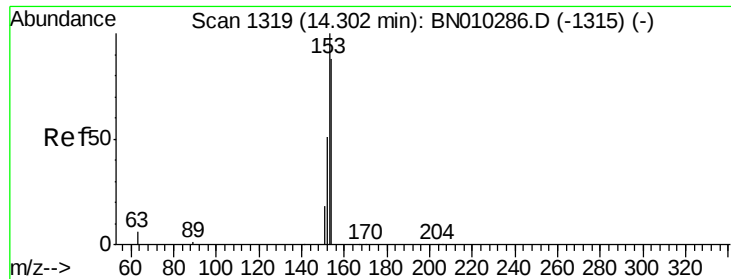
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.6	41.4
170	22.1	18.5	27.7



#16
Acenaphthylene
Concen: 0.078 ng
RT: 13.96 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.1	10.6	15.8

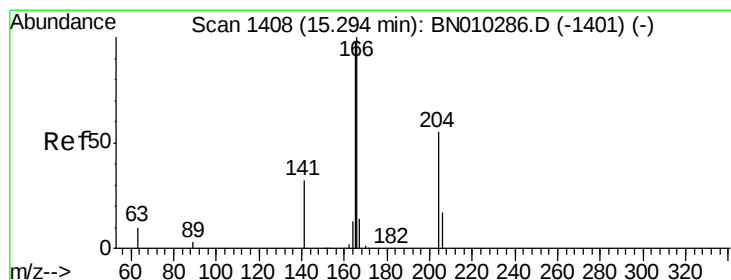
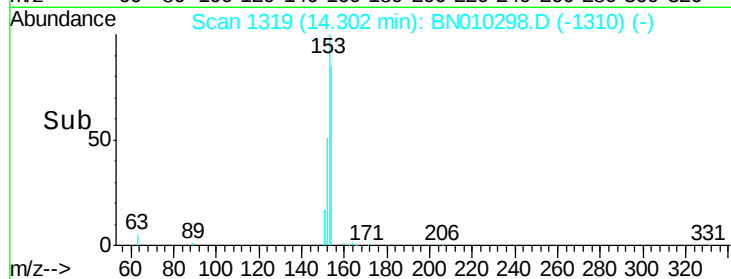
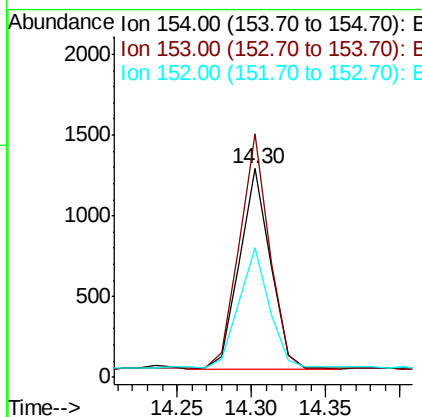
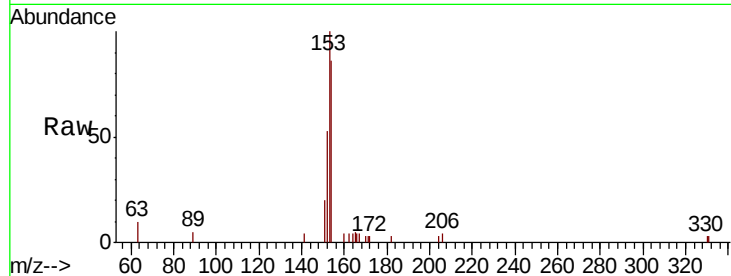




#17
Acenaphthene
Concen: 0.080 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

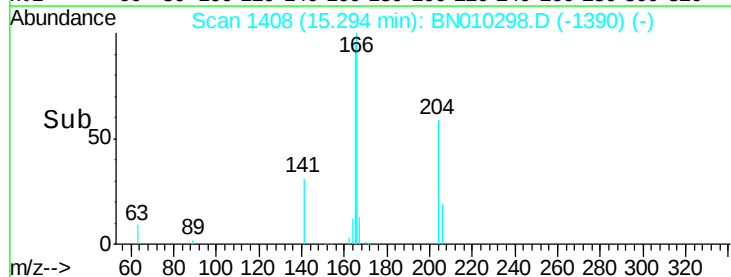
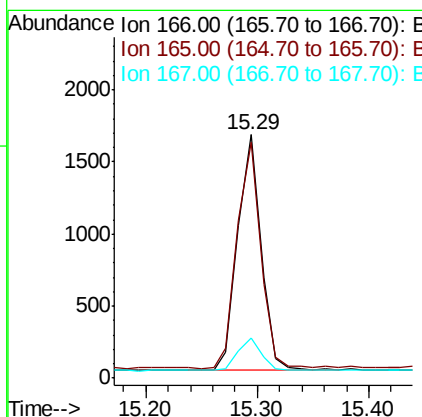
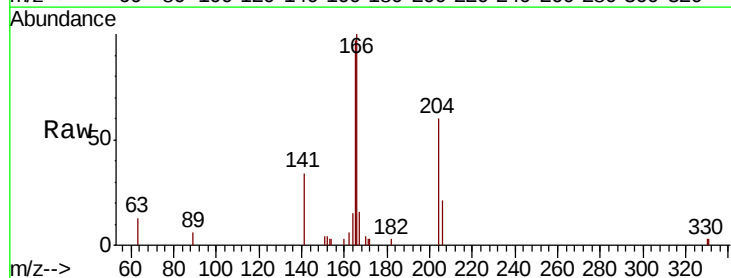
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

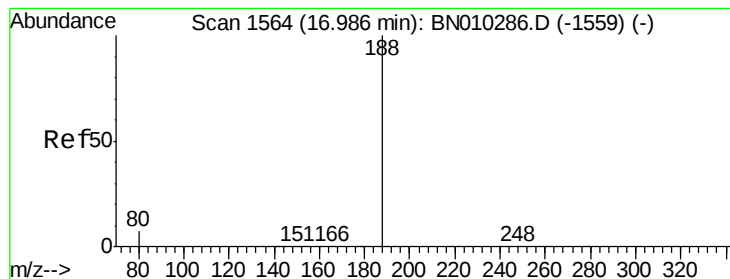
Tot Ion:154 Resp: 1780
Ion Ratio Lower Upper
154 100
153 115.1 88.1 132.1
152 60.7 45.5 68.3



#18
Fluorene
Concen: 0.080 ng
RT: 15.29 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

Tgt Ion:166 Resp: 2371
Ion Ratio Lower Upper
166 100
165 98.7 78.7 118.1
167 13.9 11.0 16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

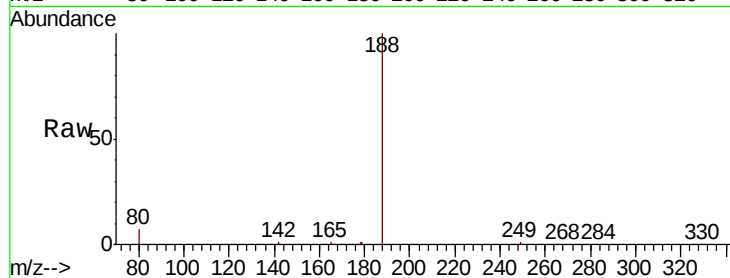
Tot Ion:188 Resp: 19252

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

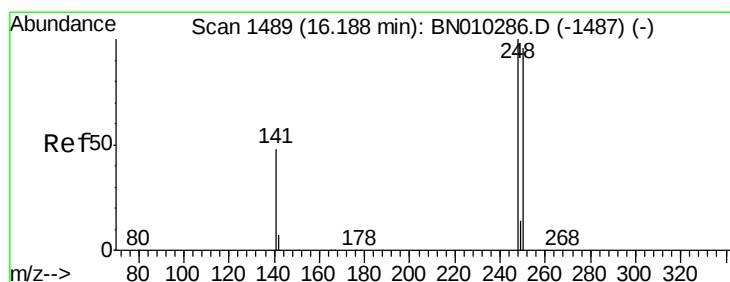
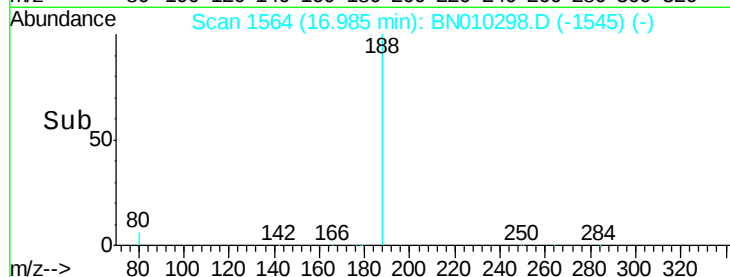
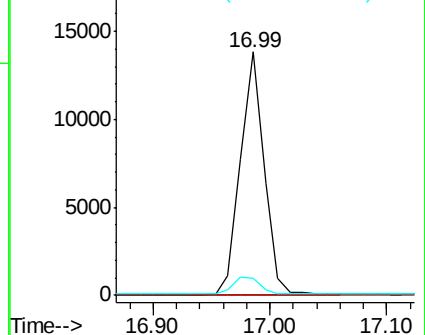
80 6.8 6.0 9.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.075 ng

RT: 16.19 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

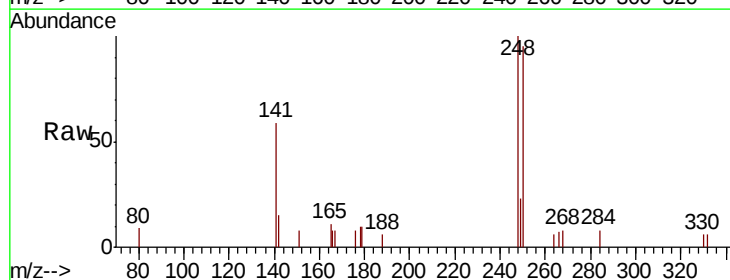
Tgt Ion:248 Resp: 873

Ion Ratio Lower Upper

248 100

250 94.9 76.8 115.2

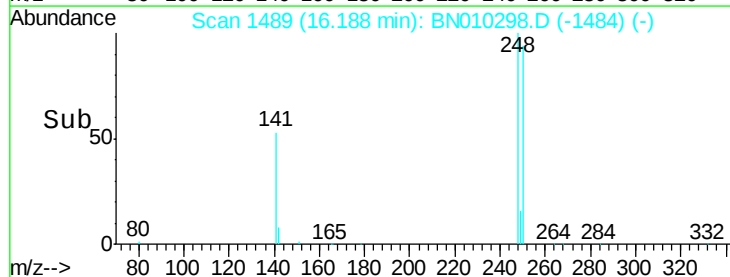
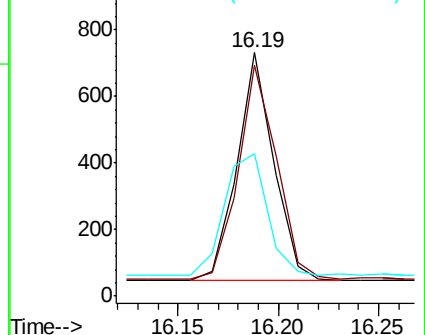
141 58.6 44.4 66.6

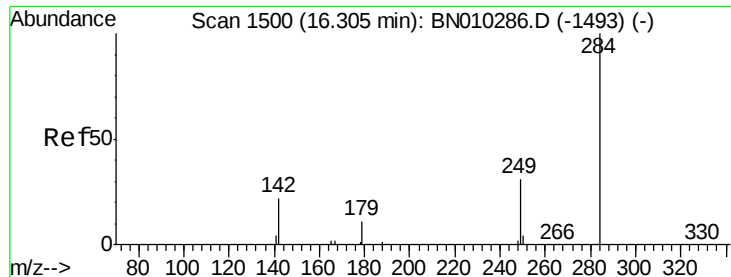


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

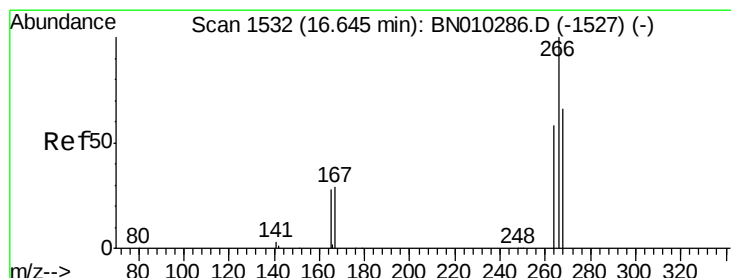
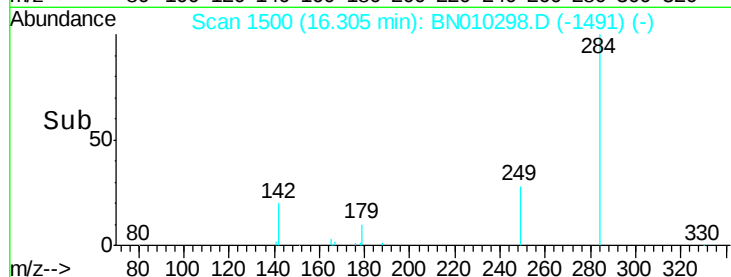
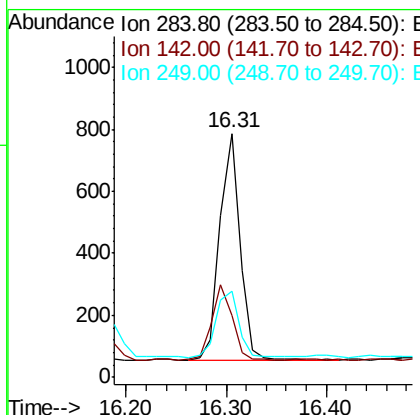
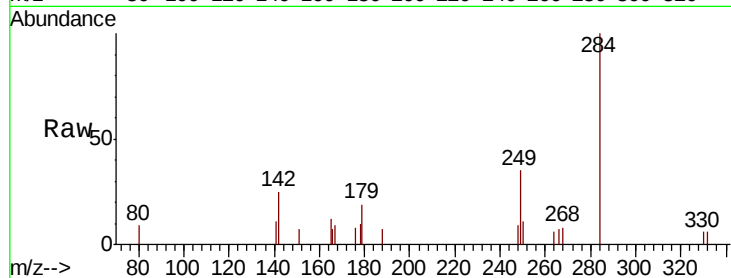




#21
Hexachlorobenzene
Concen: 0.087 ng
RT: 16.31 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

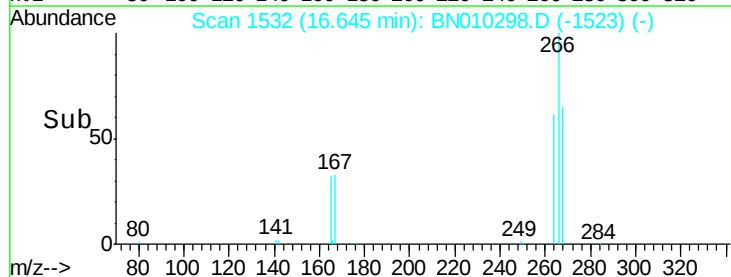
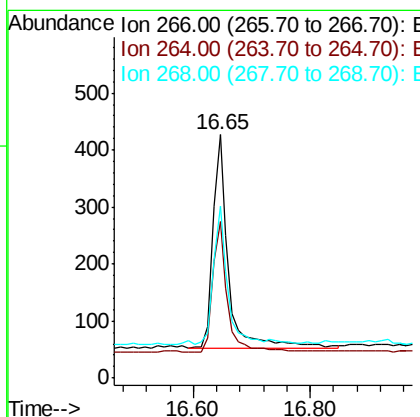
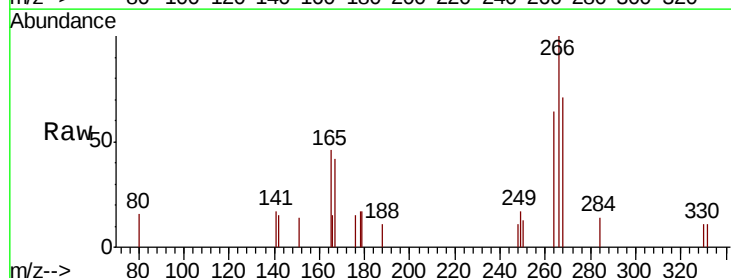
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

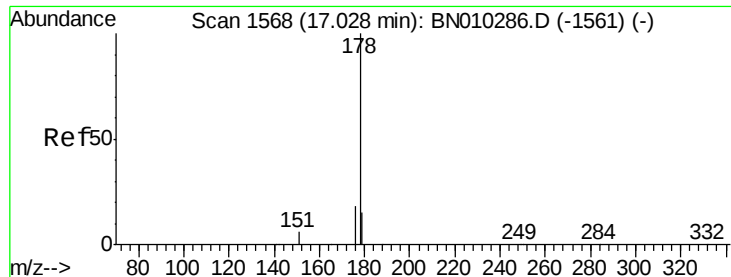
Tot Ion:284 Resp: 1038
Ion Ratio Lower Upper
284 100
142 32.6 27.4 41.2
249 32.5 26.5 39.7



#22
Pentachlorophenol
Concen: 0.170 ng
RT: 16.65 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BN010298.D
Acq: 19 Mar 2020 21:03

Tgt Ion:266 Resp: 696
Ion Ratio Lower Upper
266 100
264 64.2 47.7 71.5
268 70.7 54.9 82.3





#23

Phenanthrene

Concen: 0.082 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

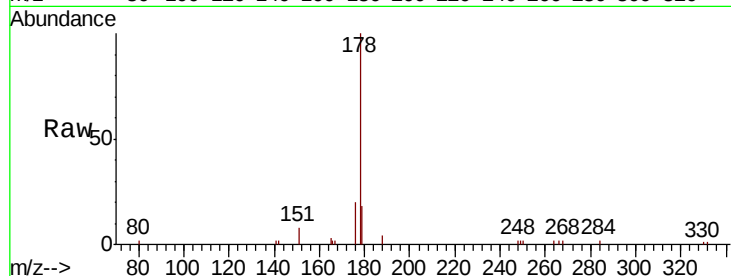
Tot Ion:178 Resp: 4323

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

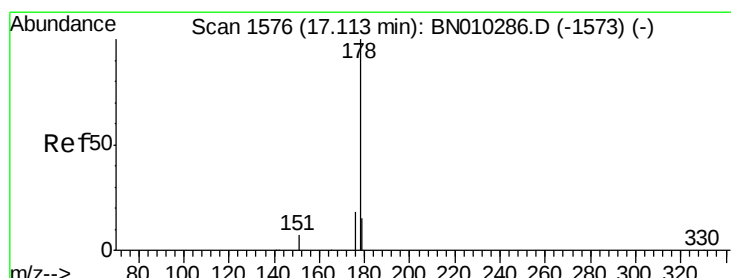
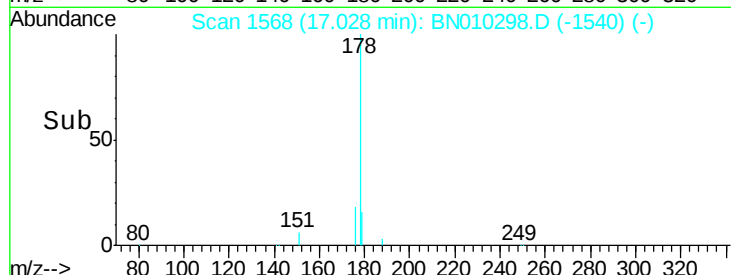
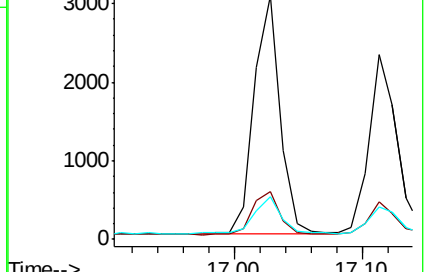
179 15.8 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.078 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

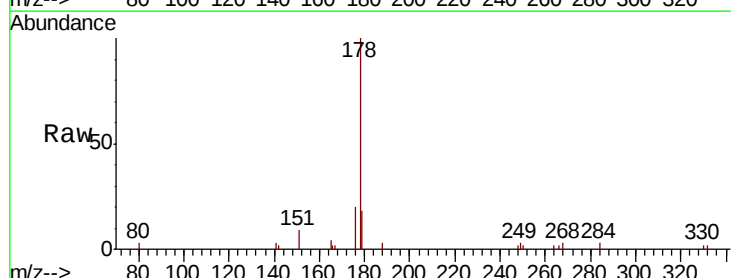
Tgt Ion:178 Resp: 3536

Ion Ratio Lower Upper

178 100

176 17.4 14.5 21.7

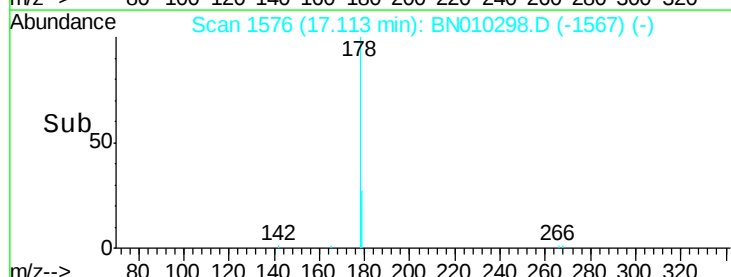
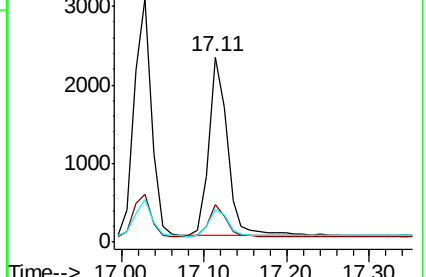
179 16.5 12.3 18.5

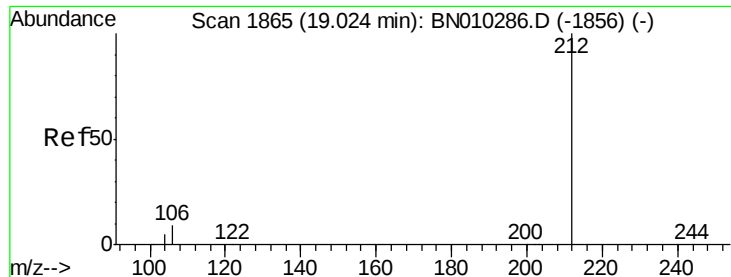


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

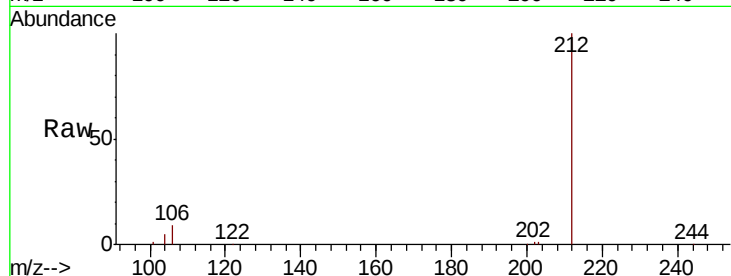
Tot Ion:212 Resp: 19718

Ion Ratio Lower Upper

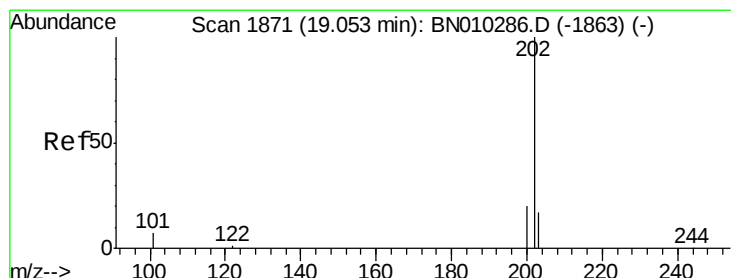
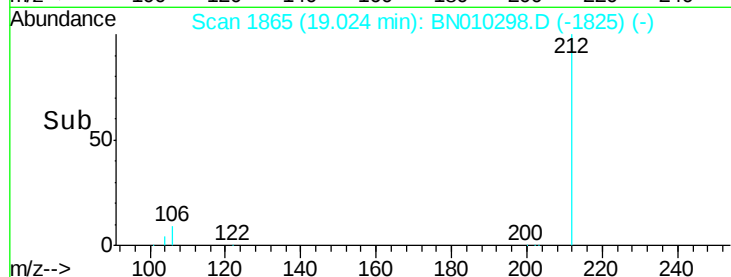
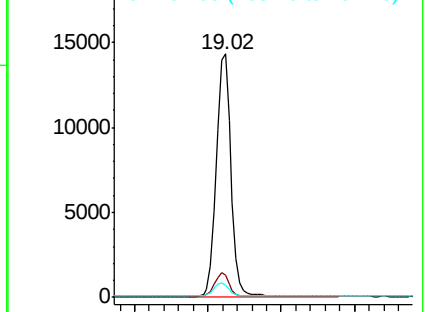
212 100

106 9.3 7.4 11.2

104 5.3 4.2 6.4



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.081 ng

RT: 19.05 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

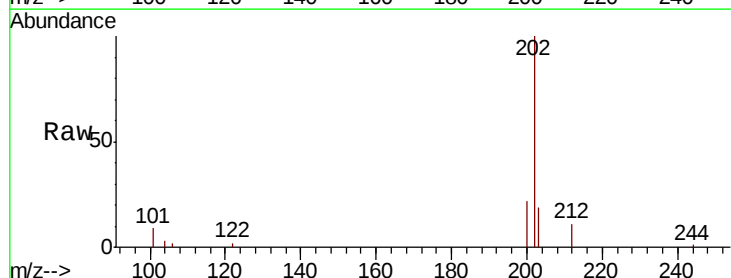
Tgt Ion:202 Resp: 5268

Ion Ratio Lower Upper

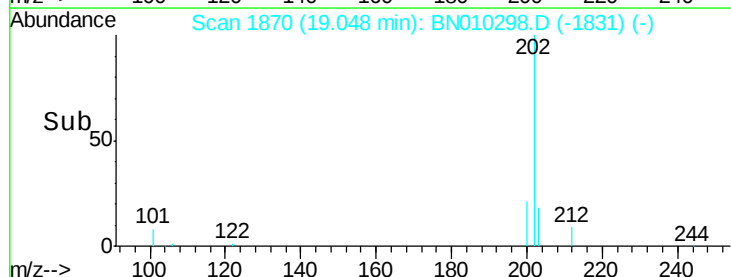
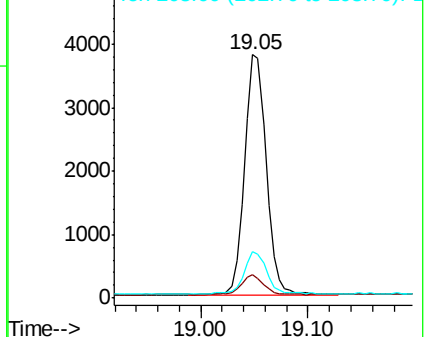
202 100

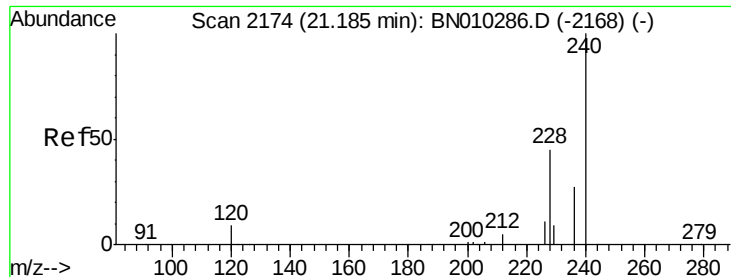
101 8.3 6.6 9.8

203 17.7 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

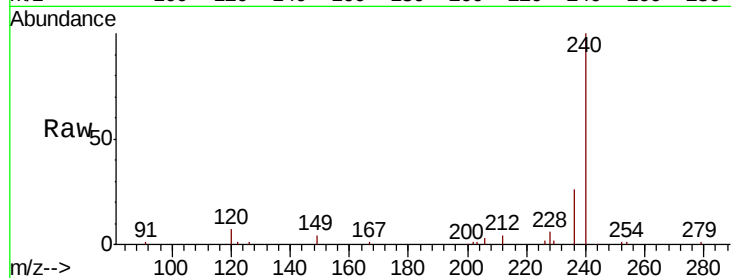
Tot Ion:240 Resp: 21347

Ion Ratio Lower Upper

240 100

120 7.2 7.9 11.9#

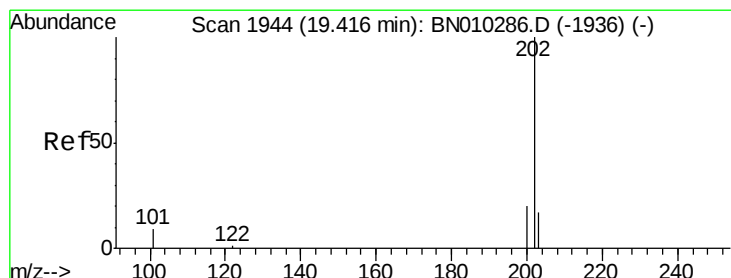
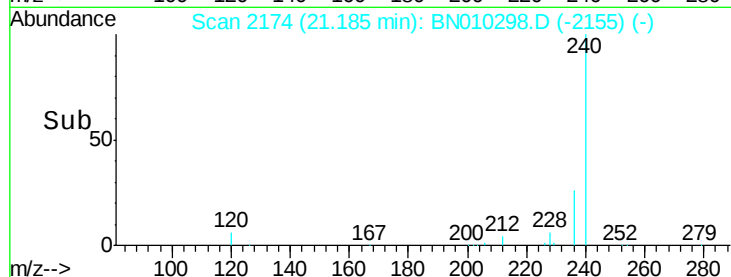
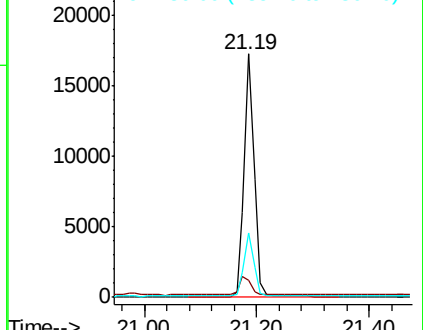
236 26.5 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.079 ng

RT: 19.42 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

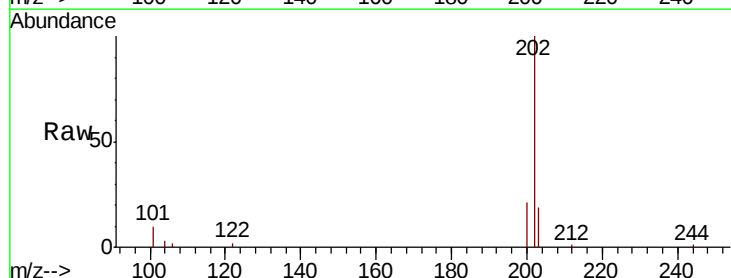
Tgt Ion:202 Resp: 5228

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

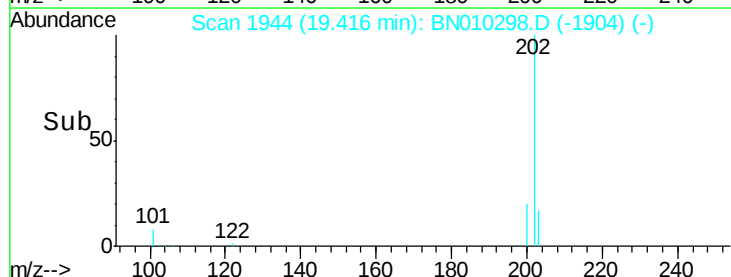
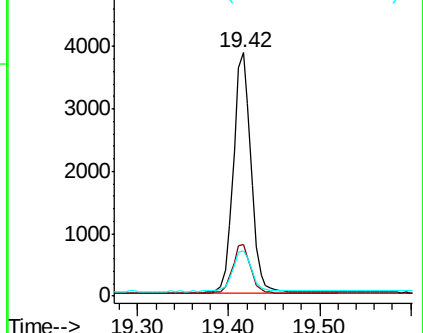
203 18.0 14.2 21.2

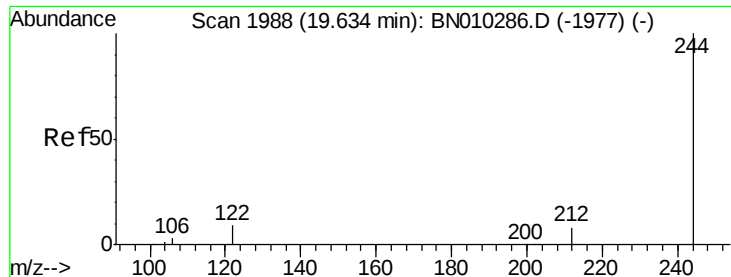


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.375 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

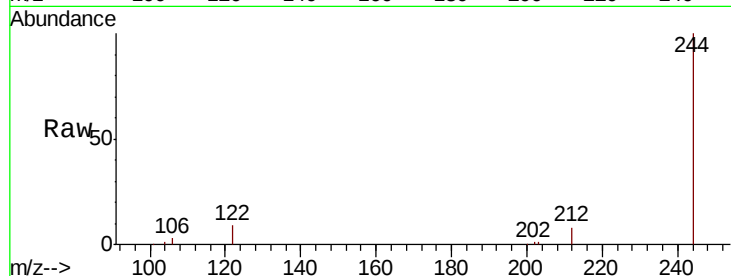
Tot Ion:244 Resp: 17279

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

122 8.7 7.6 11.4

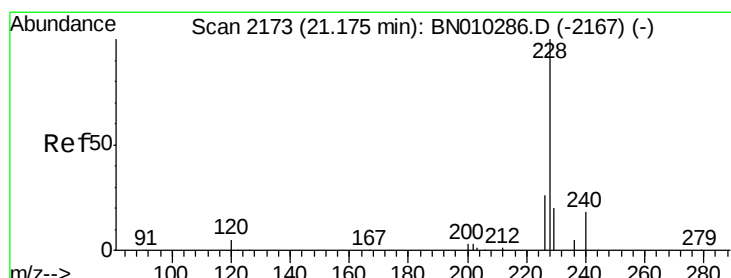
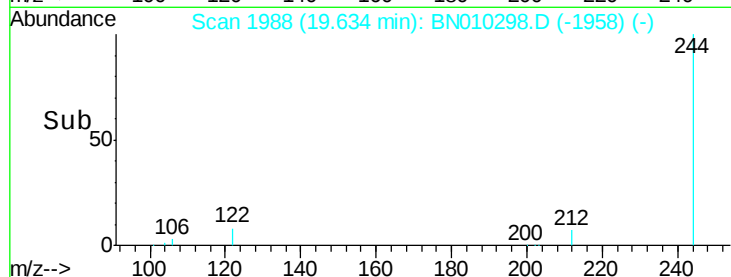
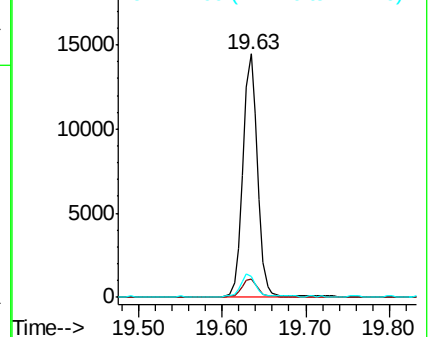


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.080 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

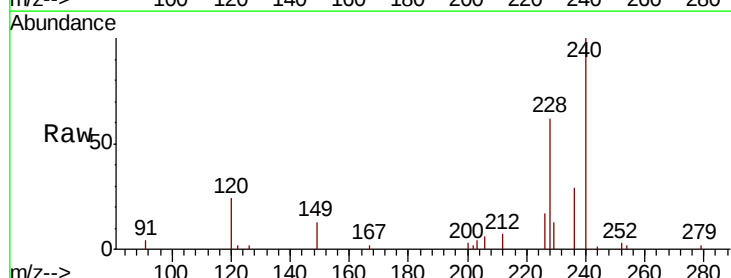
Tgt Ion:228 Resp: 5432

Ion Ratio Lower Upper

228 100

226 26.8 21.0 31.4

229 20.8 16.0 24.0

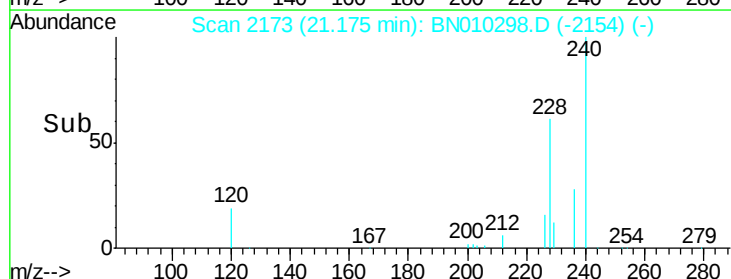
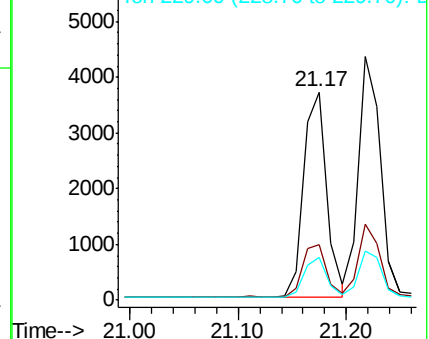


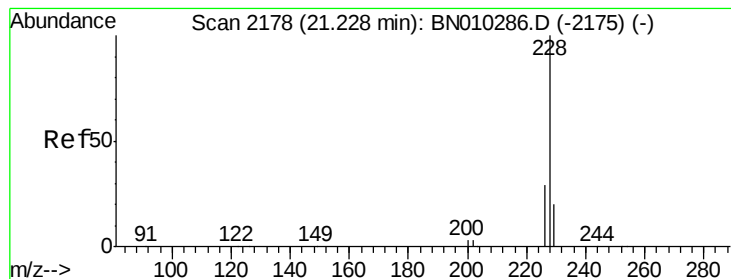
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.084 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument:

BNA_N

ClientSampleId:

LOD-MDL-SOIL-01-QT1-2020

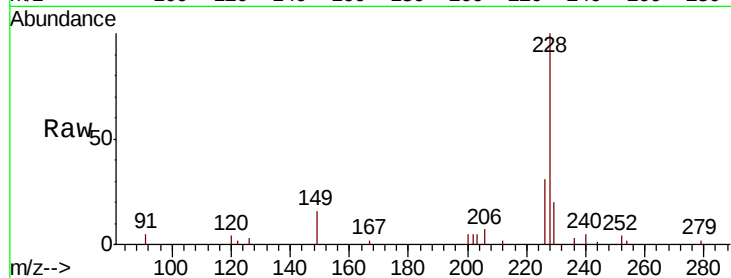
Tot Ion:228 Resp: 6090

Ion Ratio Lower Upper

228 100

226 30.9 23.0 34.6

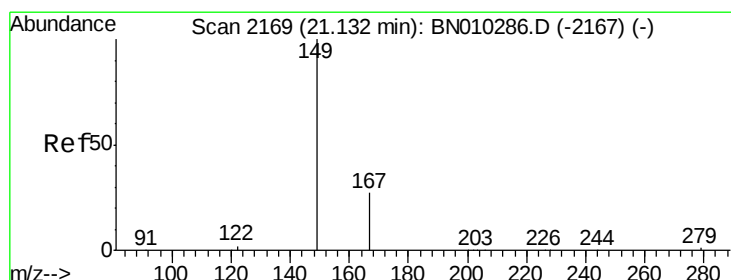
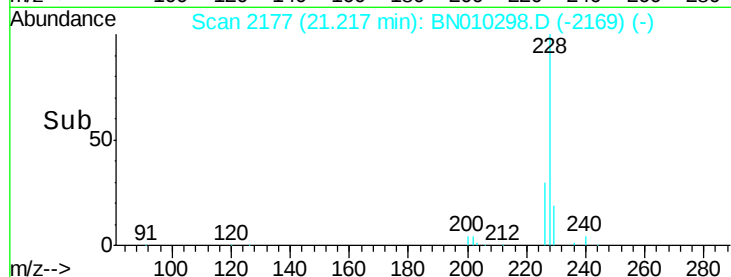
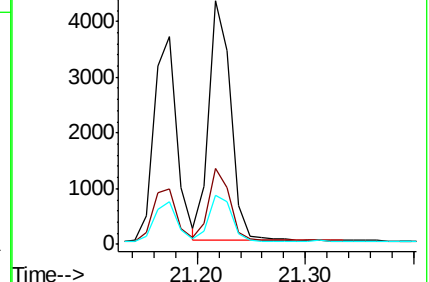
229 20.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.076 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

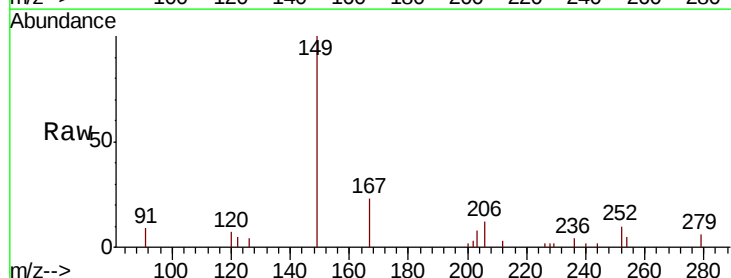
Tgt Ion:149 Resp: 1746

Ion Ratio Lower Upper

149 100

167 28.1 23.0 34.6

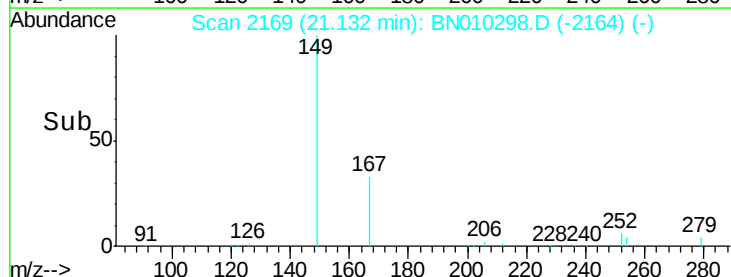
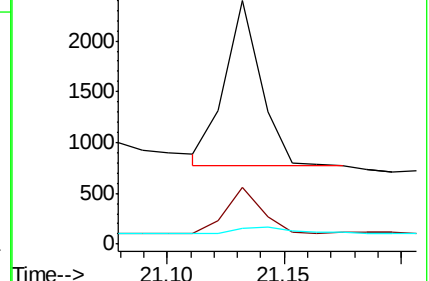
279 5.7 3.8 5.8

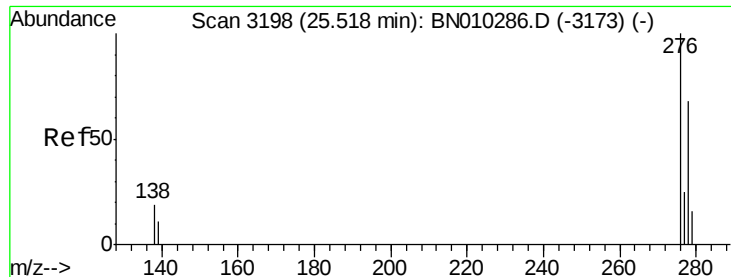


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.082 ng

RT: 25.51 min Scan# 3195

Delta R.T. -0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

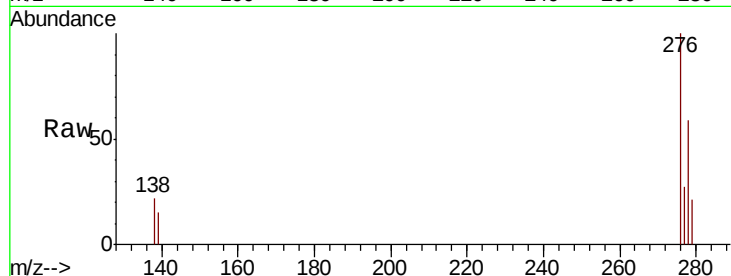
Tot Ion:276 Resp: 6384

Ion Ratio Lower Upper

276 100

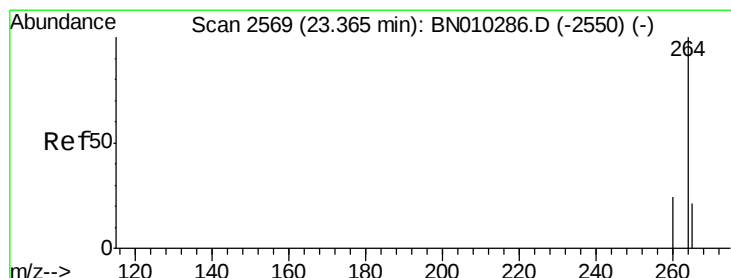
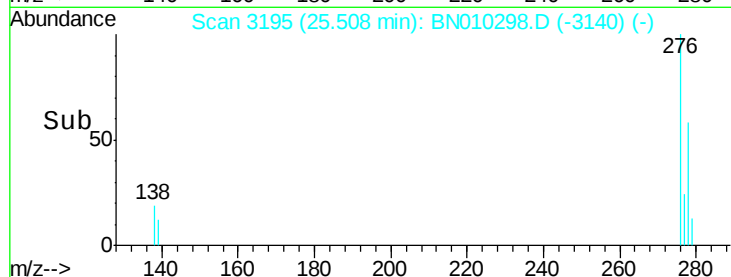
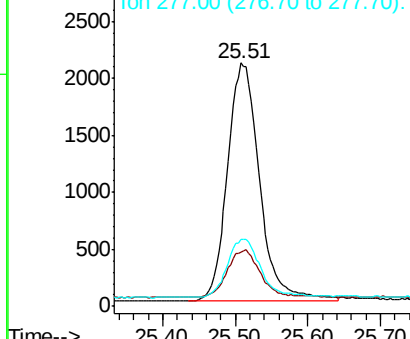
138 20.3 15.6 23.4

277 25.4 20.1 30.1



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

25.51



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.36 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

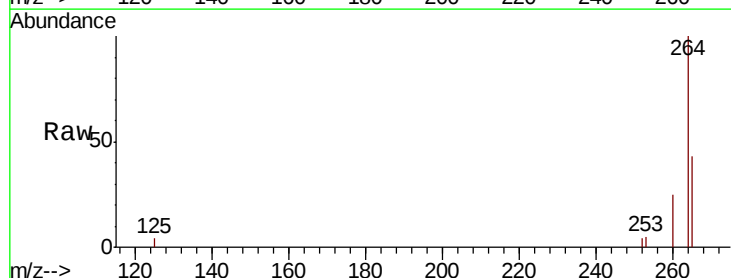
Tgt Ion:264 Resp: 21469

Ion Ratio Lower Upper

264 100

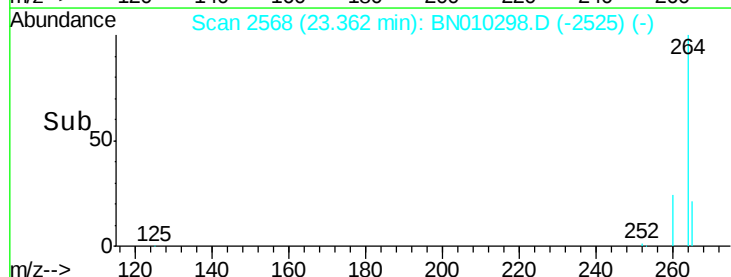
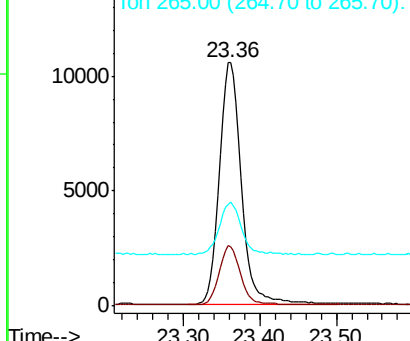
260 24.5 19.5 29.3

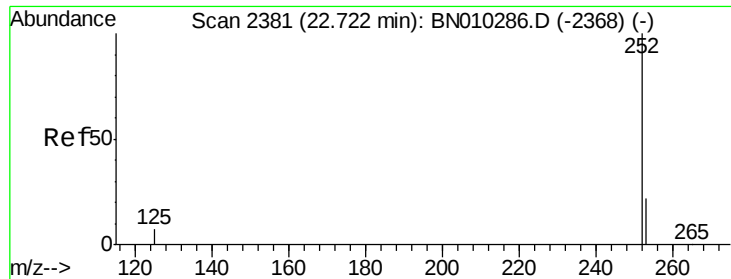
265 42.6 32.4 48.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

23.36





#35

Benzo(b)fluoranthene

Concen: 0.075 ng

RT: 22.71 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

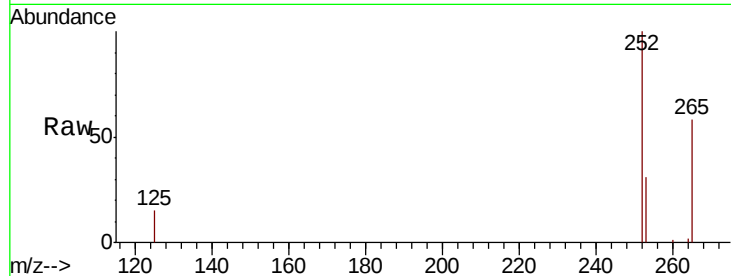
Tot Ion:252 Resp: 5448

Ion Ratio Lower Upper

252 100

253 30.9 19.2 28.8#

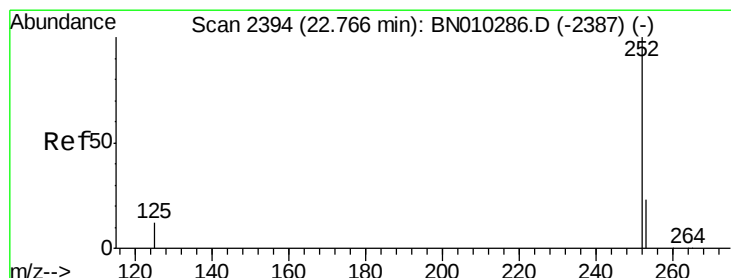
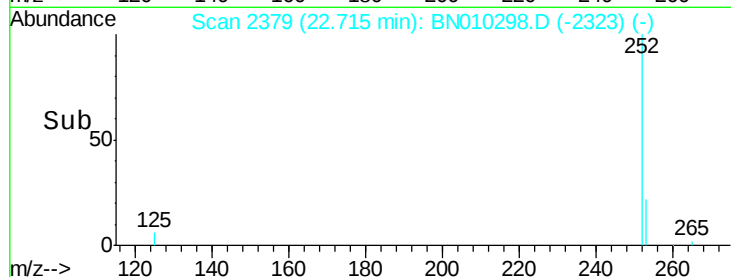
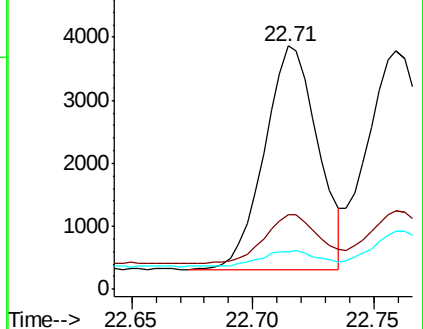
125 15.4 7.4 11.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.078 ng

RT: 22.76 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

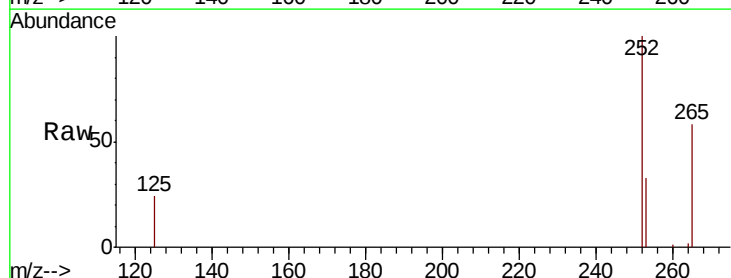
Tgt Ion:252 Resp: 5788

Ion Ratio Lower Upper

252 100

253 32.6 19.4 29.0#

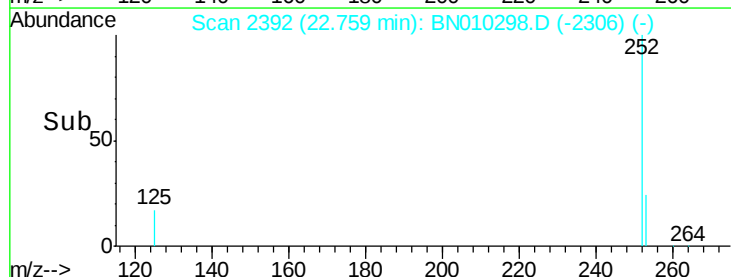
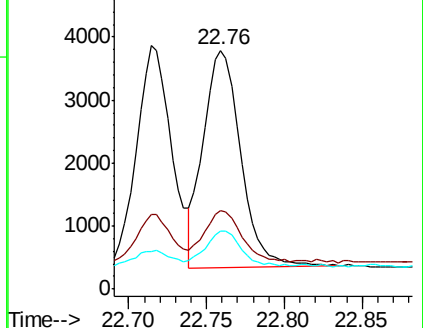
125 24.2 10.2 15.2#

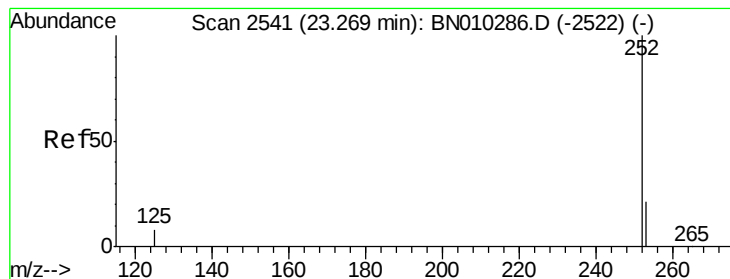


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.071 ng

RT: 23.27 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

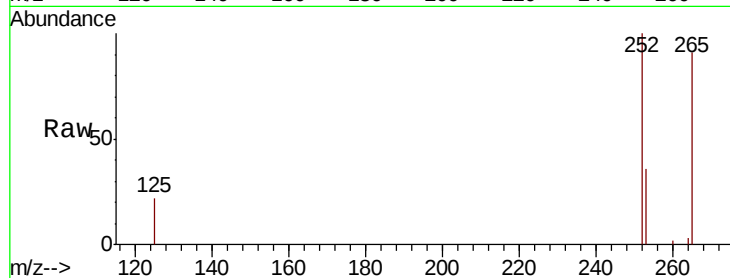
Tot Ion:252 Resp: 4397

Ion Ratio Lower Upper

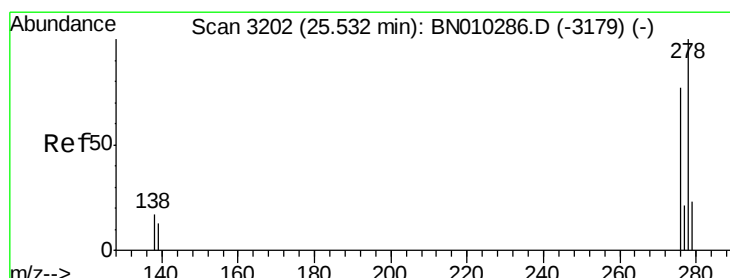
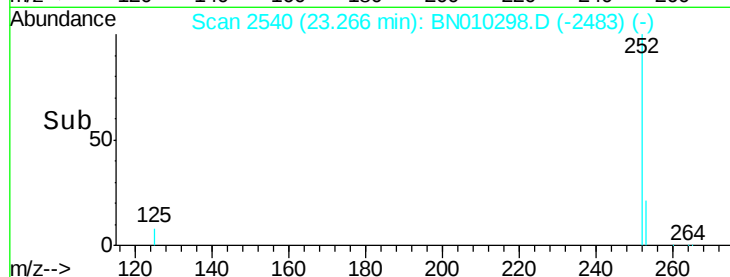
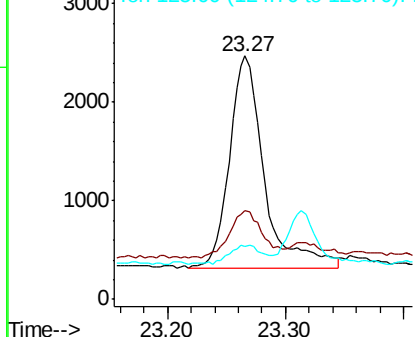
252 100

253 36.2 19.9 29.9#

125 21.9 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.080 ng

RT: 25.52 min Scan# 3199

Delta R.T. -0.01 min

Lab File: BN010298.D

Acq: 19 Mar 2020 21:03

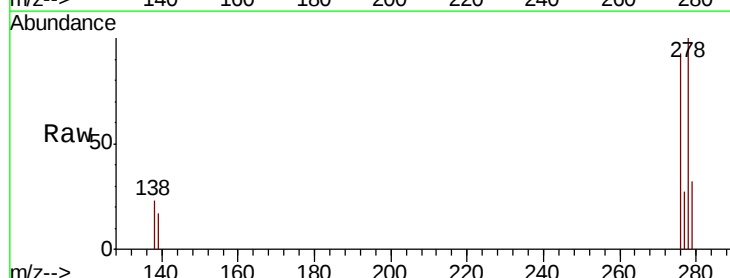
Tgt Ion:278 Resp: 5310

Ion Ratio Lower Upper

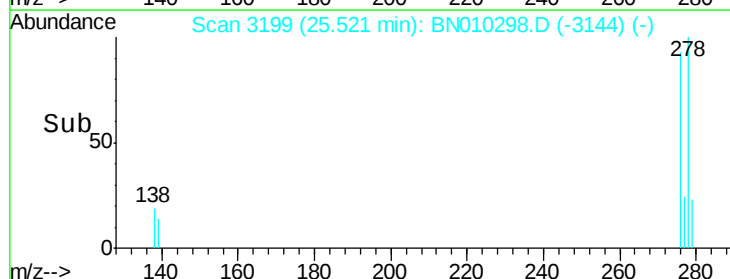
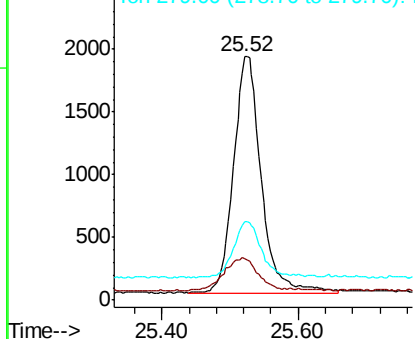
278 100

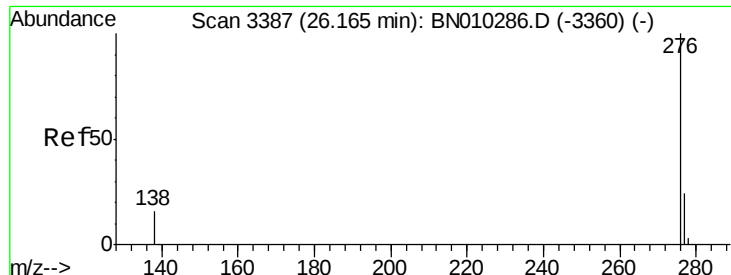
139 17.1 10.6 16.0#

279 32.0 19.8 29.6#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.080 ng

RT: 26.15 min Scan# 3384

Delta R.T. -0.01 min

Lab File: BN010298.D

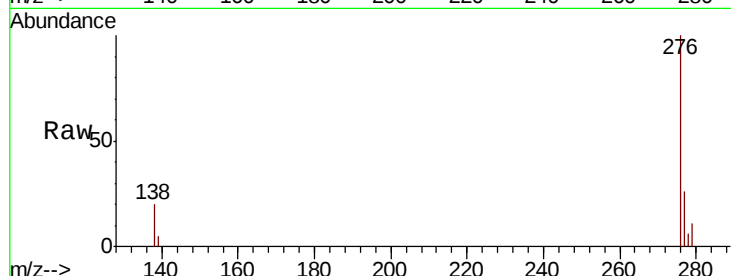
Acq: 19 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020



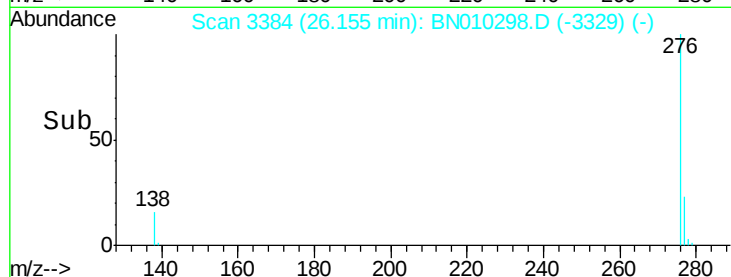
Tot Ion: 276 Resp: 5361

Ion Ratio Lower Upper

276 100

277 26.3 19.6 29.4

138 19.9 13.3 19.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

