

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\
 Data File : BN010309.D
 Acq On : 20 Mar 2020 14:30
 Operator : CG/JU
 Sample : L1161-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Quant Time: Mar 20 15:19:02 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	3971	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13689	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	8135	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	19732	0.40	ng	0.00
27) Chrysene-d12	21.19	240	20611	0.40	ng	0.00
34) Perylene-d12	23.36	264	20434	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	2943	0.37	ng	0.00
5) Phenol-d6	6.80	99	3646	0.37	ng	0.00
8) Nitrobenzene-d5	8.74	82	3146	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7488	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	933	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	12030	0.39	ng	0.00
25) Fluoranthene-d10	19.02	212	20028	0.34	ng	0.00
29) Terphenyl-d14	19.63	244	17354	0.39	ng	0.00

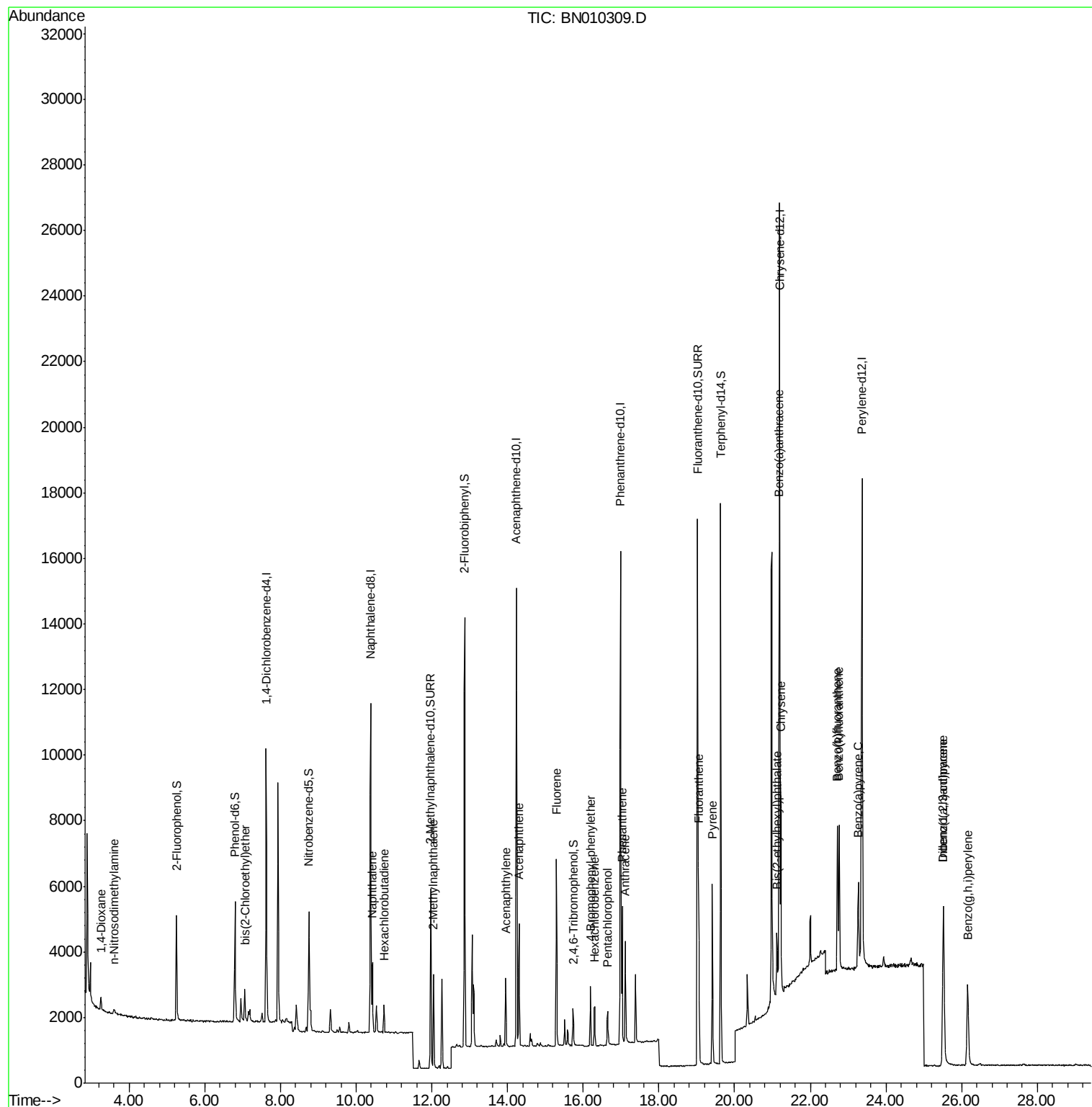
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	253	0.068	ng	# 77
3) n-Nitrosodimethylamine	3.60	42	160	0.051	ng	# 70
6) bis(2-Chloroethyl)ether	7.06	93	814	0.087	ng	96
9) Naphthalene	10.43	128	3008	0.088	ng	# 94
10) Hexachlorobutadiene	10.73	225	700	0.085	ng	# 96
12) 2-Methylnaphthalene	12.05	142	2032	0.086	ng	96
16) Acenaphthylene	13.96	152	2453	0.077	ng	99
17) Acenaphthene	14.30	154	1803	0.079	ng	95
18) Fluorene	15.29	166	2377	0.079	ng	99
20) 4-Bromophenyl-phenylether	16.19	248	893	0.075	ng	98
21) Hexachlorobenzene	16.31	284	1001	0.081	ng	97
22) Pentachlorophenol	16.65	266	664	0.158	ng	98
23) Phenanthrene	17.03	178	4339	0.080	ng	99
24) Anthracene	17.11	178	3500	0.075	ng	98
26) Fluoranthene	19.05	202	5269	0.079	ng	99
28) Pyrene	19.41	202	5103	0.080	ng	99
30) Benzo(a)anthracene	21.17	228	5091	0.078	ng	98
31) Chrysene	21.22	228	5910	0.084	ng	97
32) Bis(2-ethylhexyl)phthalate	21.13	149	1560	0.070	ng	97
33) Indeno(1,2,3-cd)pyrene	25.51	276	5879	0.078	ng	100
35) Benzo(b)fluoranthene	22.71	252	5429	0.078	ng	# 84
36) Benzo(k)fluoranthene	22.76	252	5584	0.079	ng	# 82
37) Benzo(a)pyrene	23.27	252	4200	0.072	ng	# 75
38) Dibenzo(a,h)anthracene	25.52	278	4832	0.076	ng	# 86
39) Benzo(g,h,i)perylene	26.16	276	5276	0.083	ng	# 93

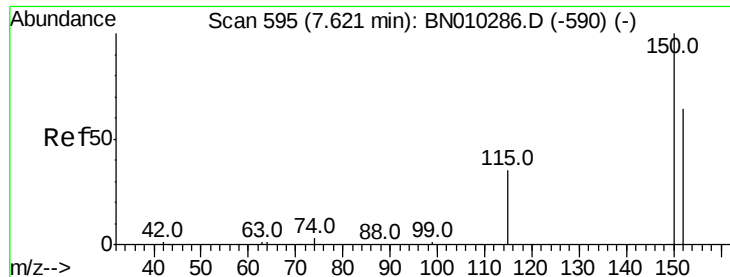
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

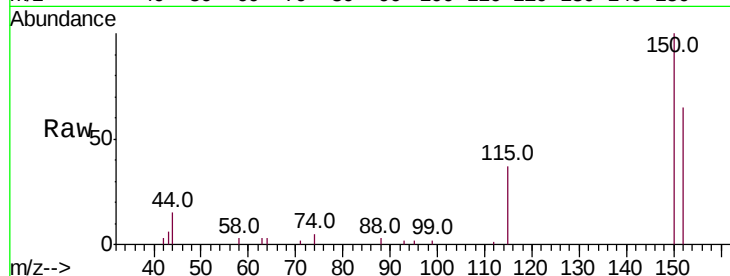
Tot Ion:152 Resp: 3971

Ion Ratio Lower Upper

152 100

150 152.8 123.1 184.7

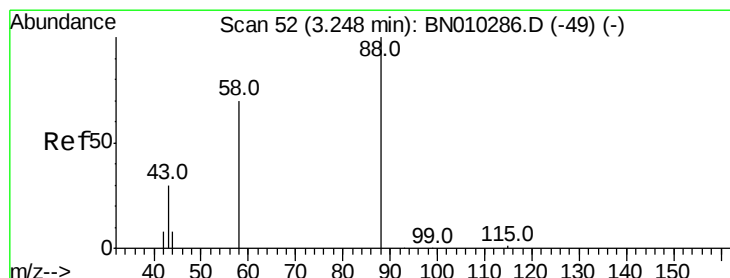
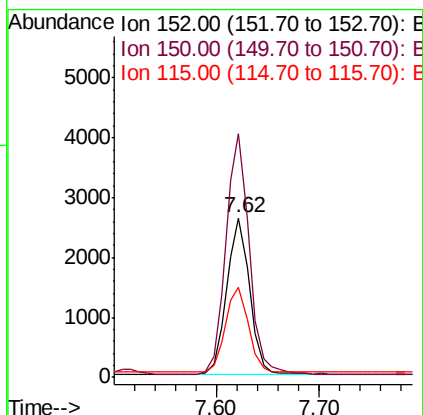
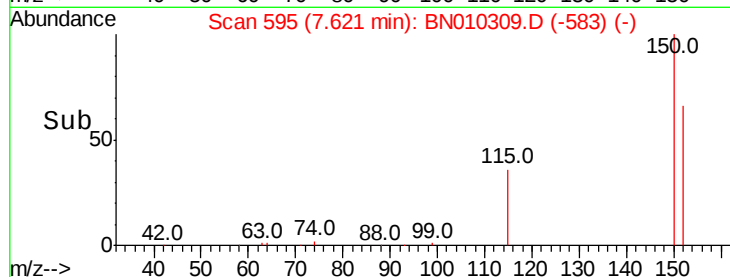
115 56.4 45.2 67.8



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: 0.068 ng

RT: 3.26 min Scan# 53

Delta R.T. 0.01 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

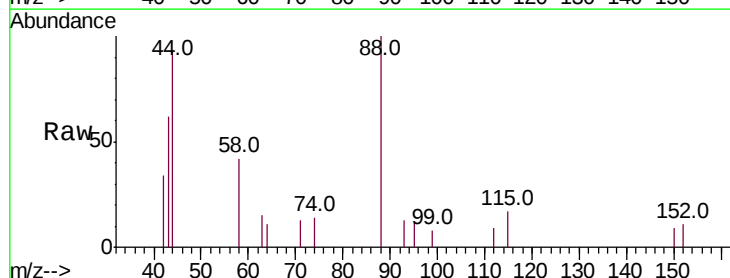
Tgt Ion: 88 Resp: 253

Ion Ratio Lower Upper

88 100

58 83.4 51.7 77.5#

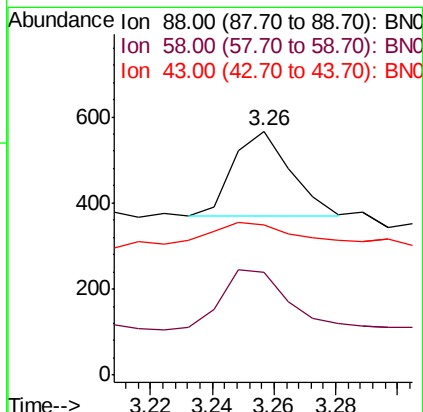
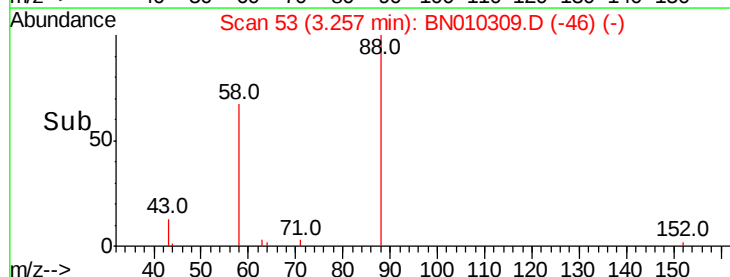
43 36.4 21.2 31.8#

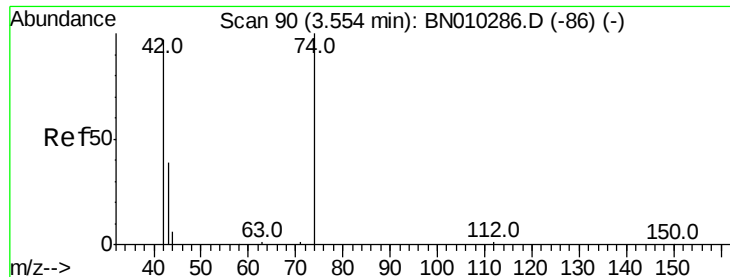


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.051 ng

RT: 3.60 min Scan# 96

Delta R.T. 0.05 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

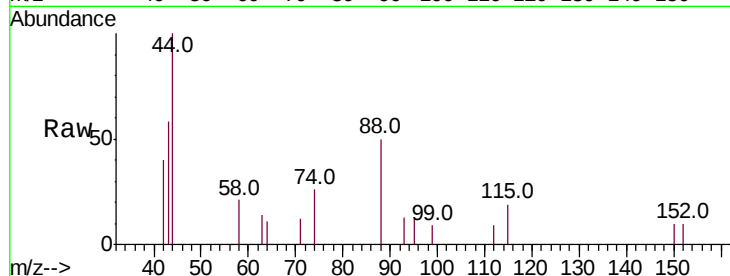
Tot Ion: 42 Resp: 160

Ion Ratio Lower Upper

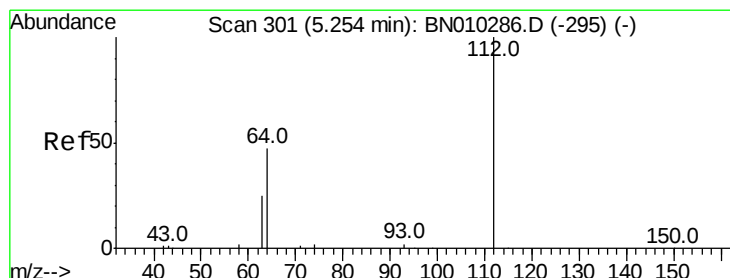
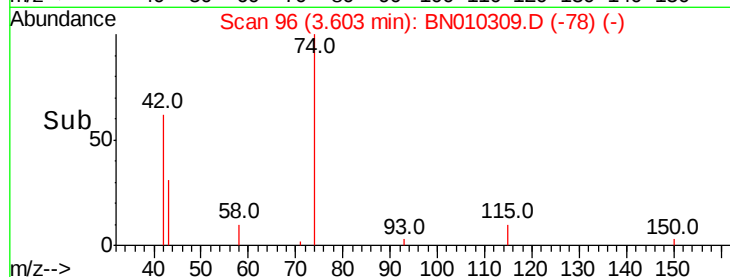
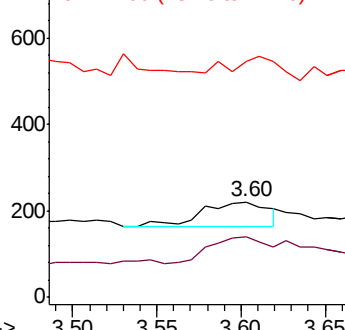
42 100

74 93.1 99.4 149.0#

44 35.0 4.8 7.2#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.374 ng

RT: 5.25 min Scan# 301

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

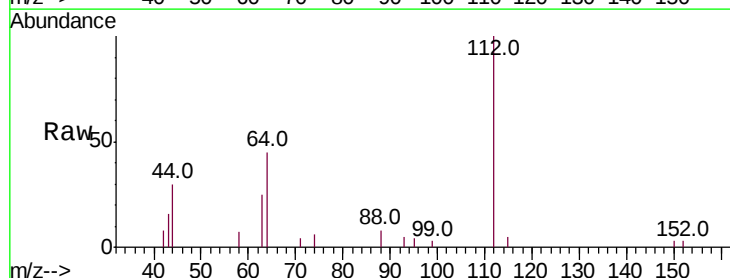
Tgt Ion: 112 Resp: 2943

Ion Ratio Lower Upper

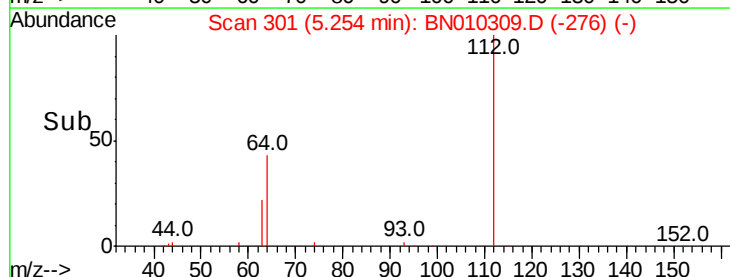
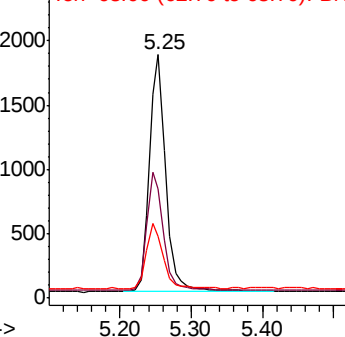
112 100

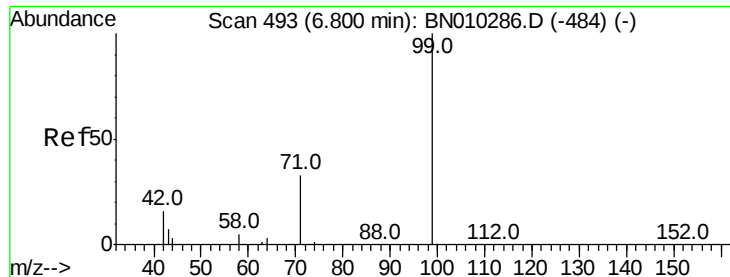
64 49.8 41.4 62.2

63 27.9 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.373 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

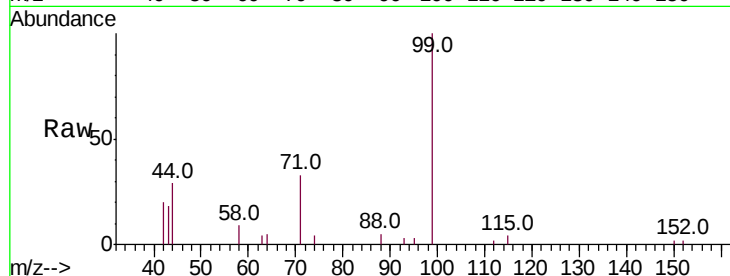
Tot Ion: 99 Resp: 3646

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

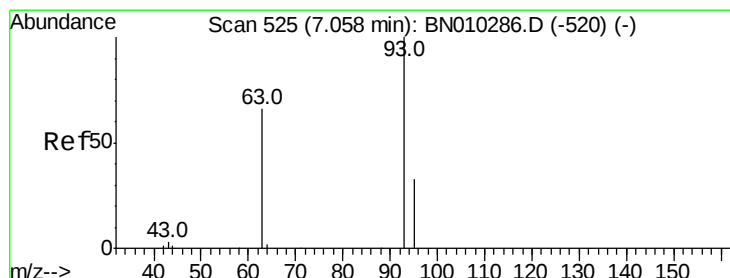
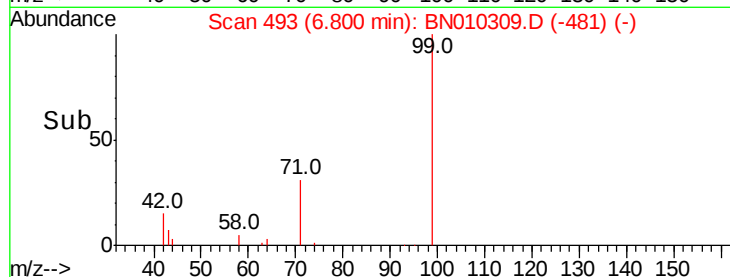
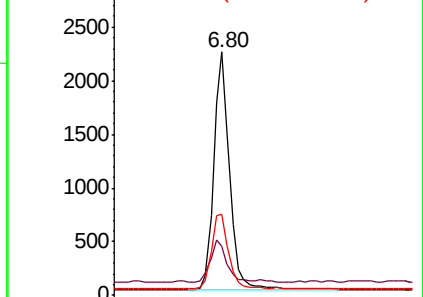
71 34.1 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN010286.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BN010286.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BN010286.D (-484) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.087 ng

RT: 7.06 min Scan# 525

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

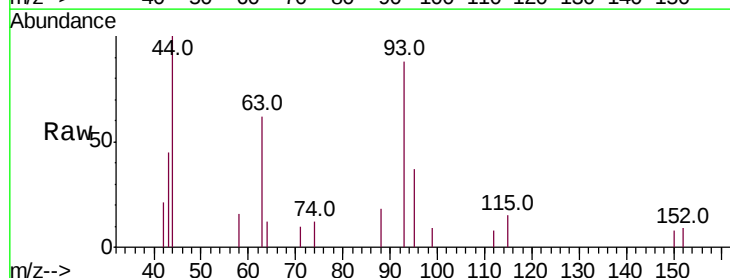
Tgt Ion: 93 Resp: 814

Ion Ratio Lower Upper

93 100

63 64.9 55.6 83.4

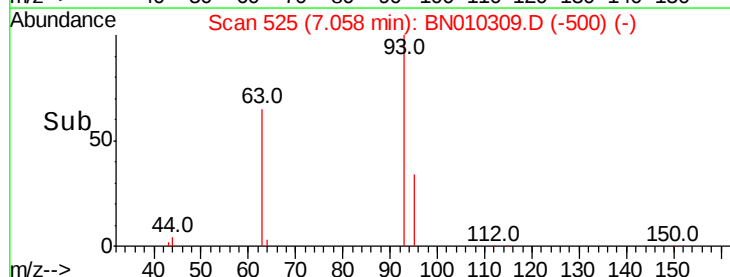
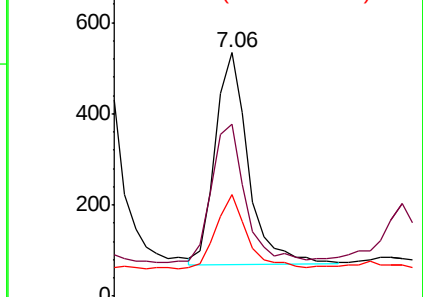
95 32.4 26.2 39.4

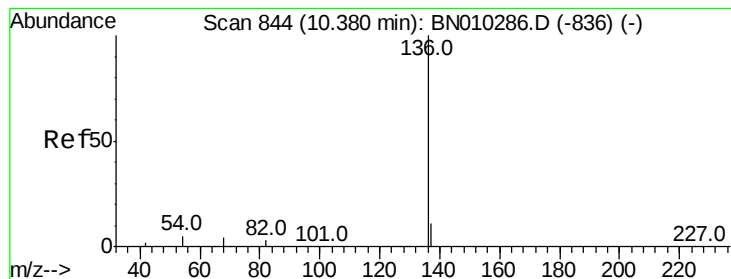


Abundance Ion 93.00 (92.70 to 93.70): BN010286.D (-520) (-)

Ion 63.00 (62.70 to 63.70): BN010286.D (-520) (-)

Ion 95.00 (94.70 to 95.70): BN010286.D (-520) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:136 Resp: 13689

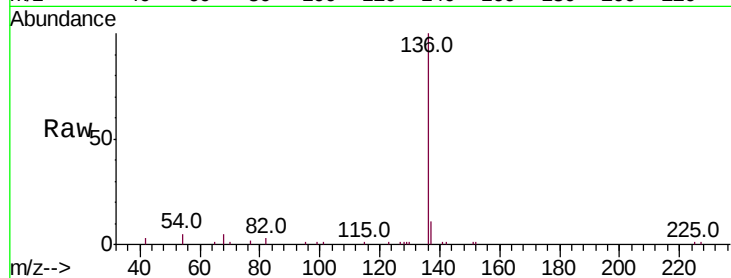
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 5.1 4.8 7.2

68 4.6 4.1 6.1



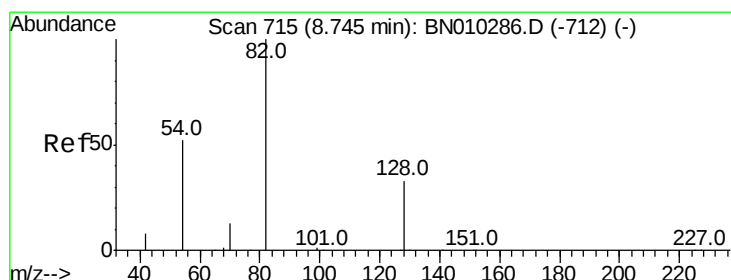
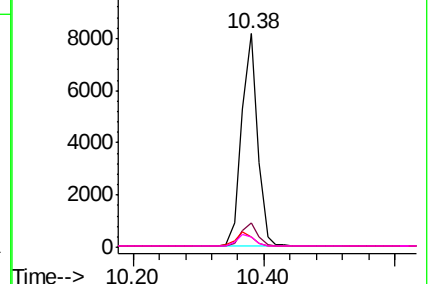
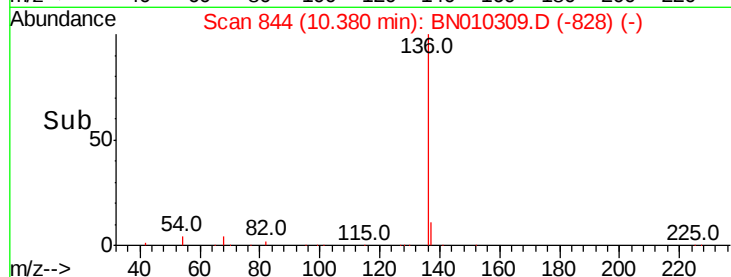
Abundance

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: 0.359 ng

RT: 8.74 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

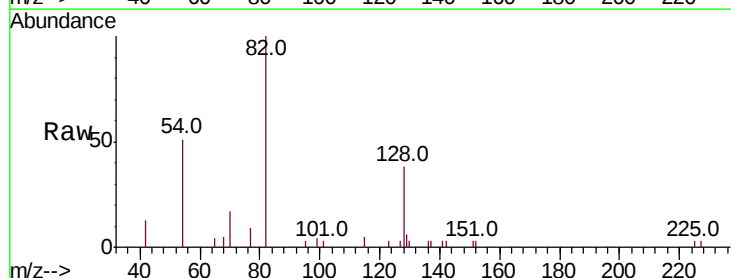
Tgt Ion: 82 Resp: 3146

Ion Ratio Lower Upper

82 100

128 37.6 28.8 43.2

54 51.2 42.1 63.1

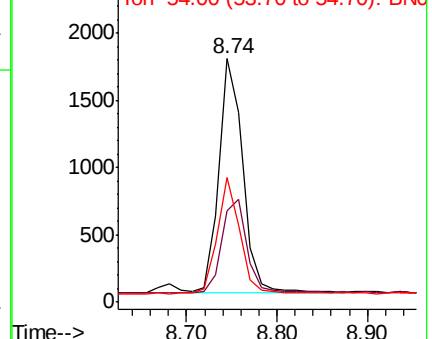
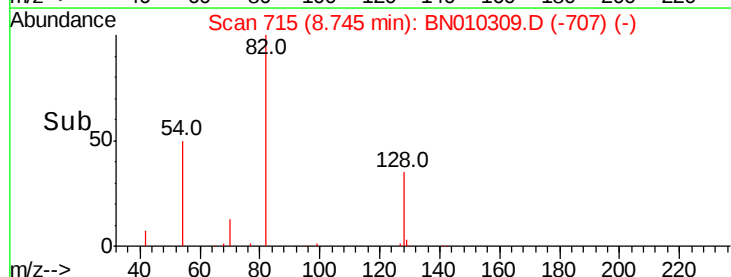


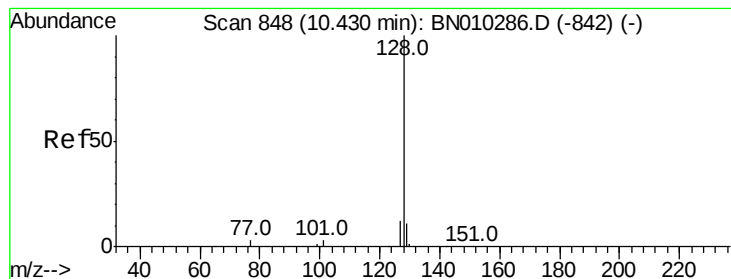
Abundance

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: 0.088 ng

RT: 10.43 min Scan# 848

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

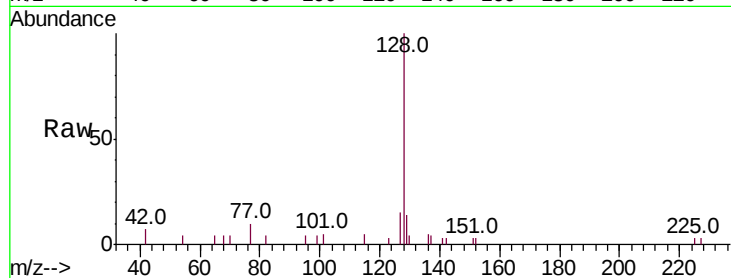
Tot Ion:128 Resp: 3008

Ion Ratio Lower Upper

128 100

129 14.0 9.1 13.7#

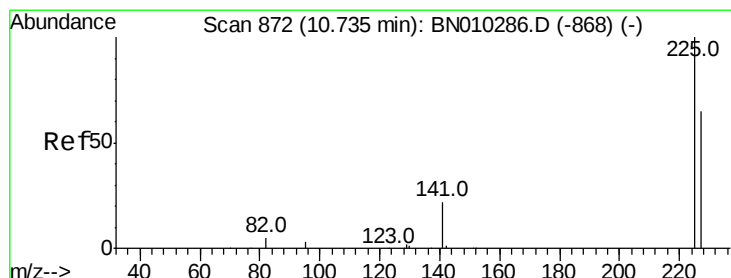
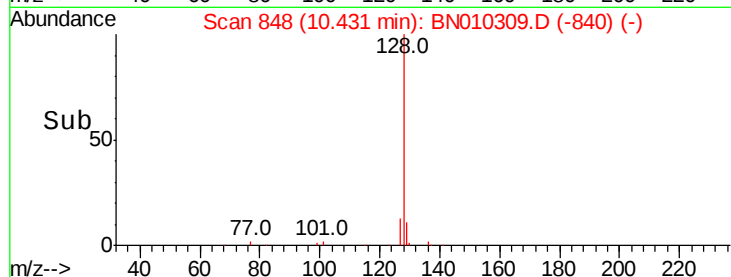
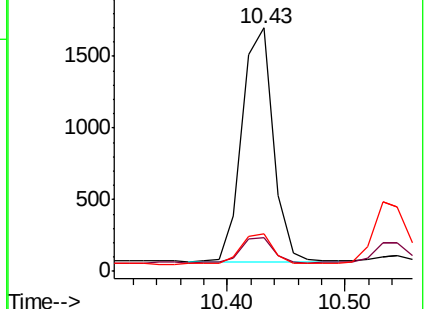
127 15.4 10.4 15.6



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: 0.085 ng

RT: 10.73 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

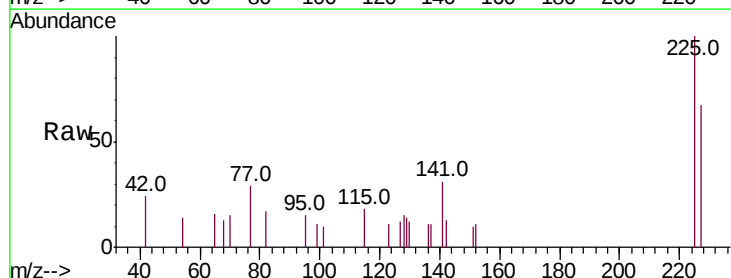
Tgt Ion:225 Resp: 700

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

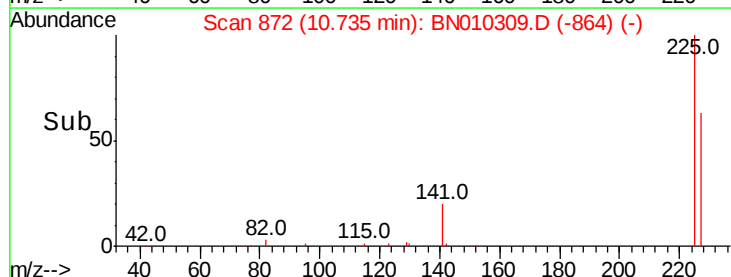
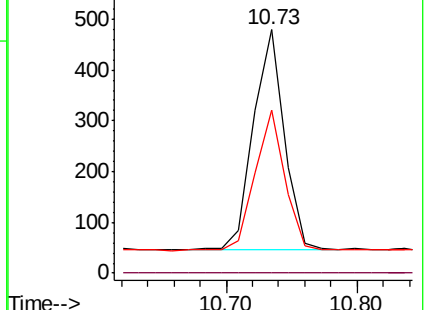
227 62.0 51.9 77.9

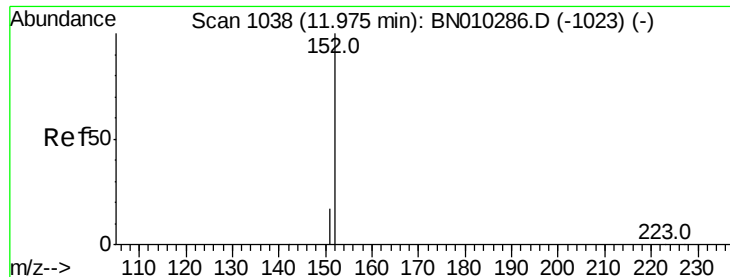


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

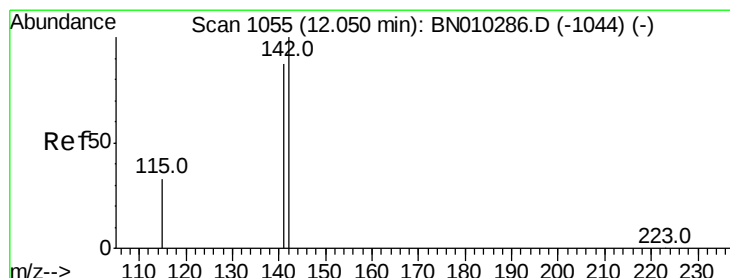
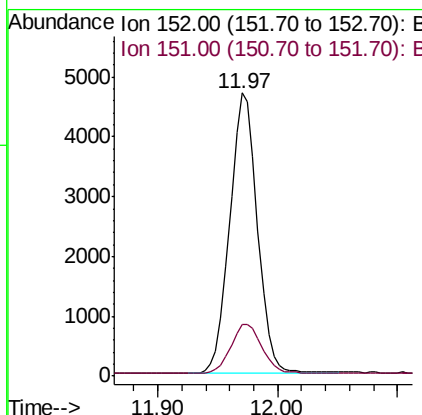
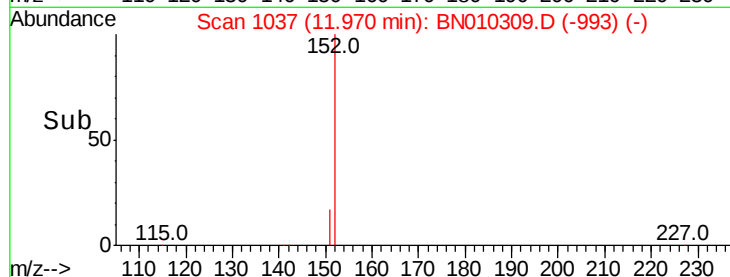
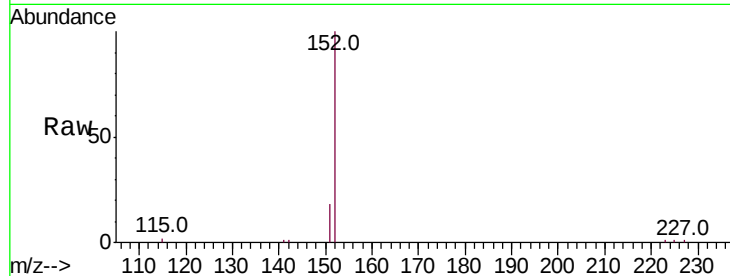




#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010309.D
Acq: 20 Mar 2020 14:30

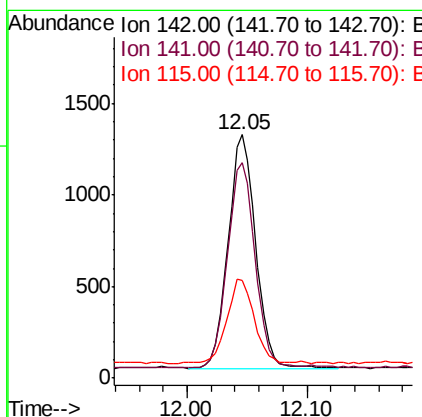
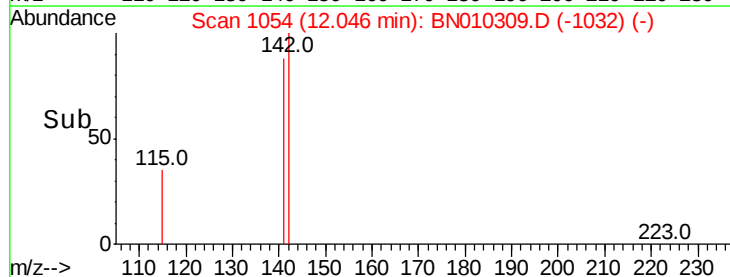
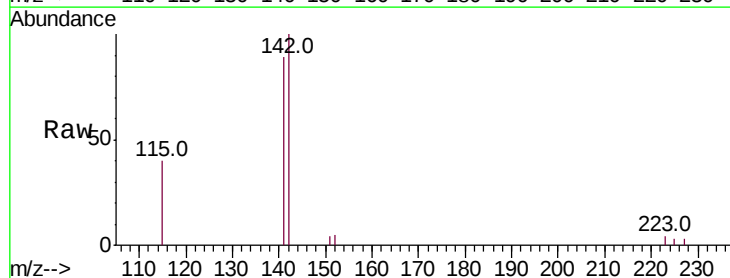
Instrument :
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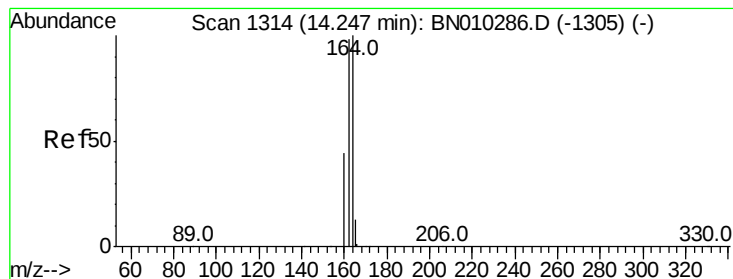
Tot Ion:152 Resp: 7488
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2



#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010309.D
Acq: 20 Mar 2020 14:30

Tgt Ion:142 Resp: 2032
Ion Ratio Lower Upper
142 100
141 88.7 69.5 104.3
115 40.3 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

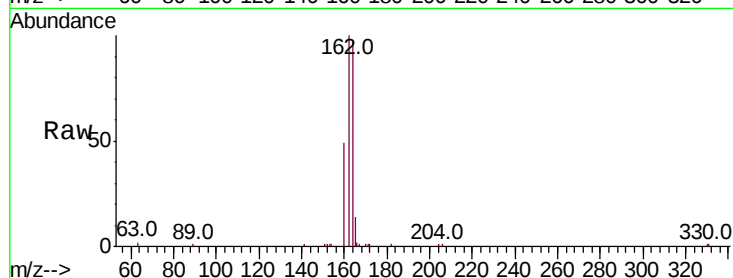
BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:164 Resp: 8135

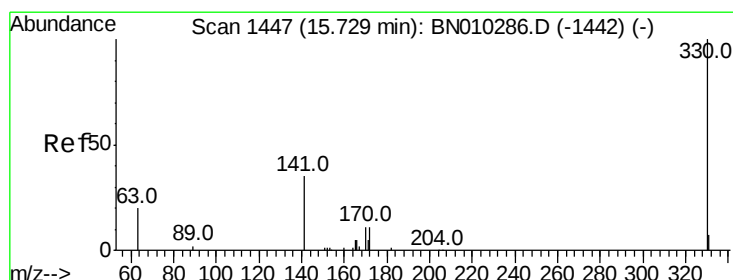
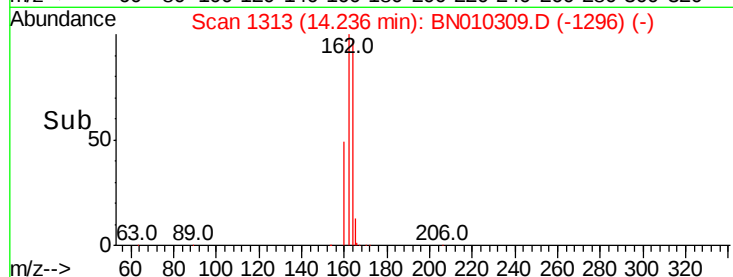
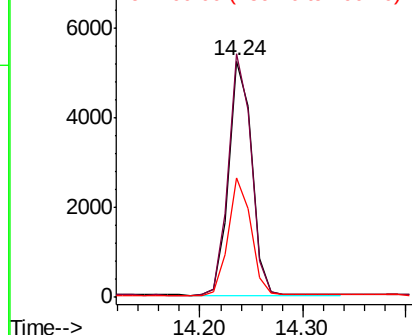
Ion	Ratio	Lower	Upper
164	100		
162	103.1	78.2	117.2
160	50.8	35.8	53.6



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: 0.298 ng

RT: 15.73 min Scan# 1447

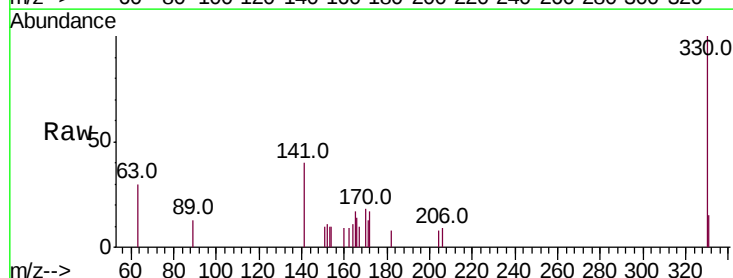
Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Tgt Ion:330 Resp: 933

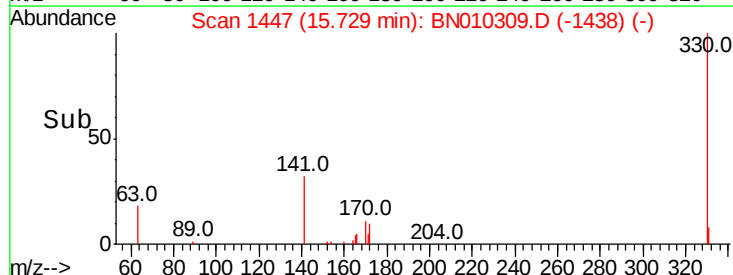
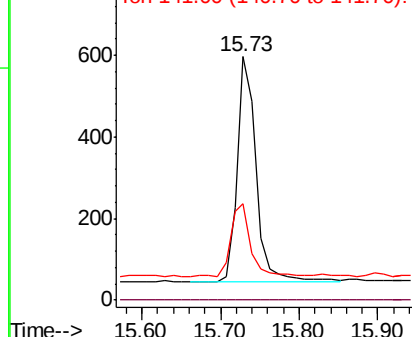
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.3	29.3	43.9

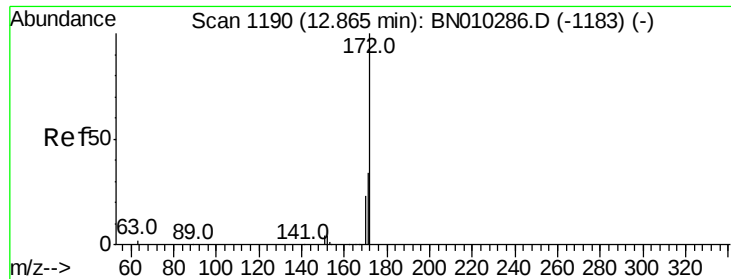


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

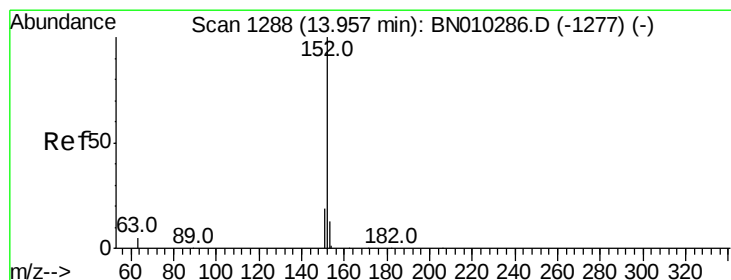
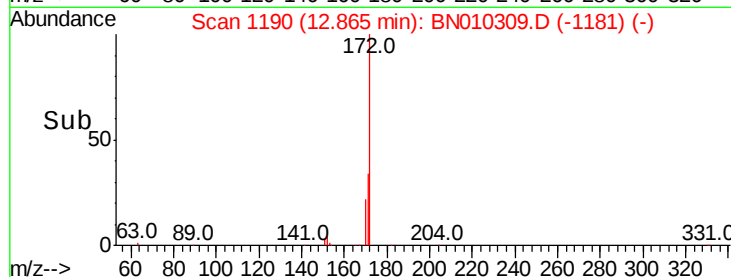
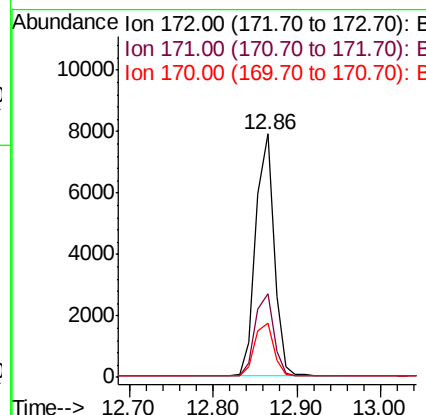
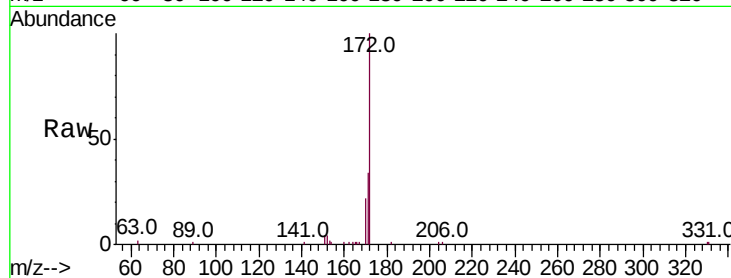




#15
 2-Fluorobiphenyl
 Concen: 0.386 ng
 RT: 12.86 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BN010309.D
 Acq: 20 Mar 2020 14:30

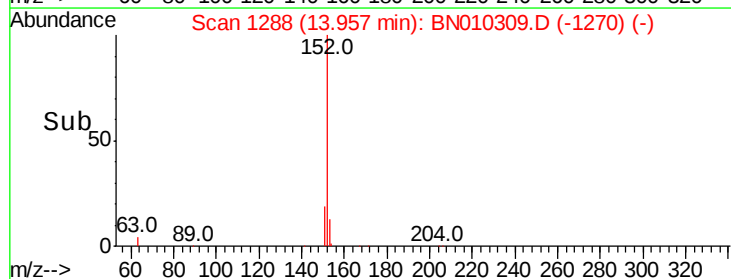
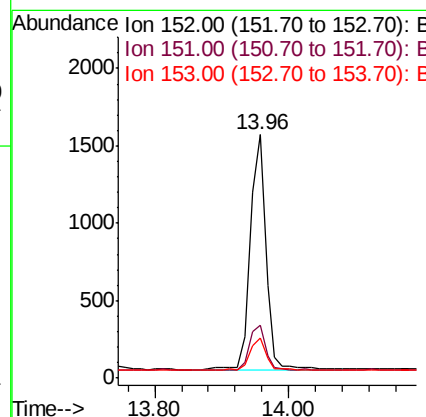
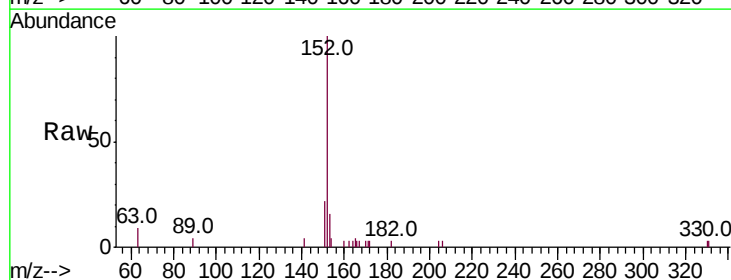
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

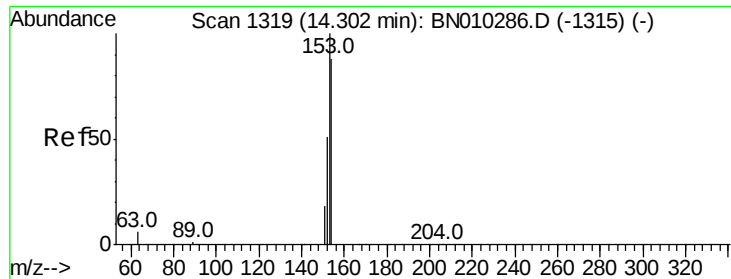
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.6	41.4
170	22.2	18.5	27.7



#16
 Acenaphthylene
 Concen: 0.077 ng
 RT: 13.96 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BN010309.D
 Acq: 20 Mar 2020 14:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	14.4	10.6	15.8





#17

Acenaphthene

Concen: 0.079 ng

RT: 14.30 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

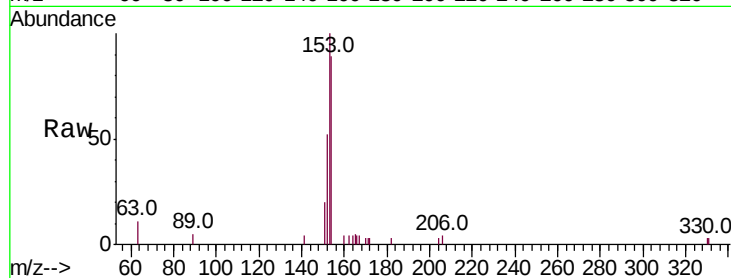
Tot Ion:154 Resp: 1803

Ion Ratio Lower Upper

154 100

153 115.8 88.1 132.1

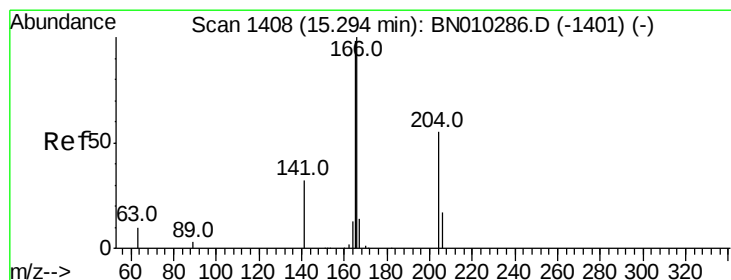
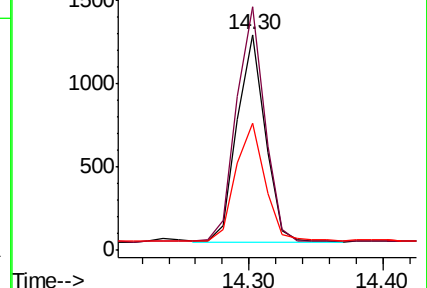
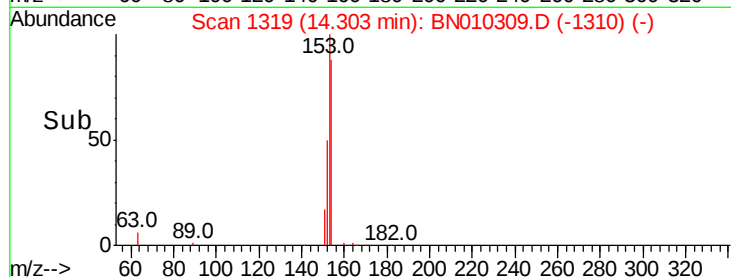
152 59.3 45.5 68.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.079 ng

RT: 15.29 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

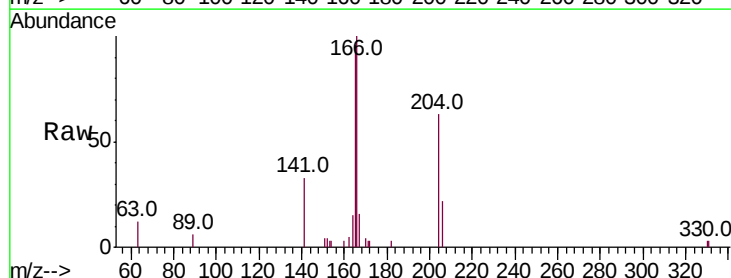
Tgt Ion:166 Resp: 2377

Ion Ratio Lower Upper

166 100

165 97.0 78.7 118.1

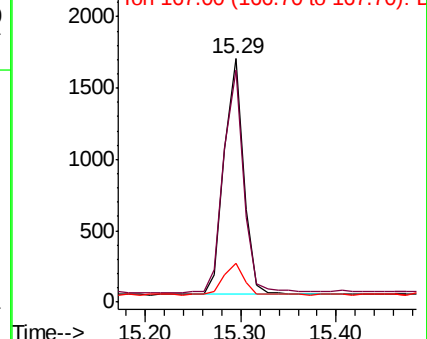
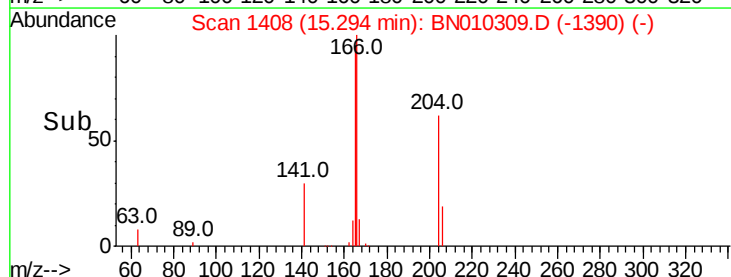
167 14.1 11.0 16.4

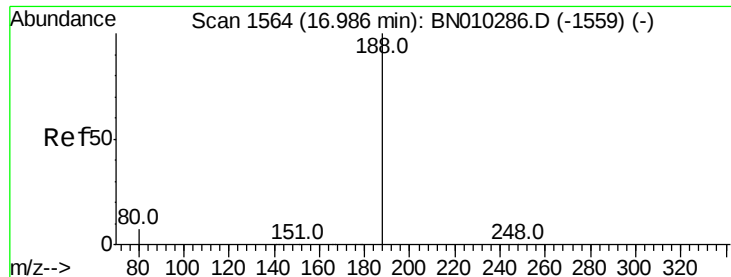


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

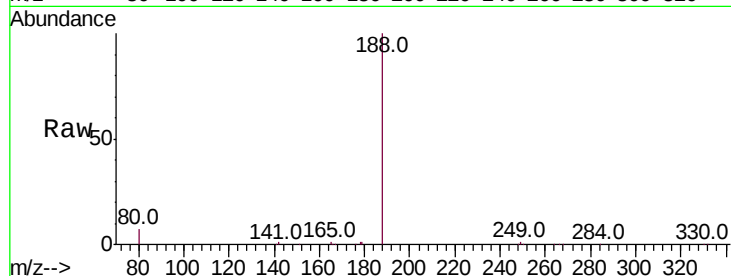
Tot Ion:188 Resp: 19732

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

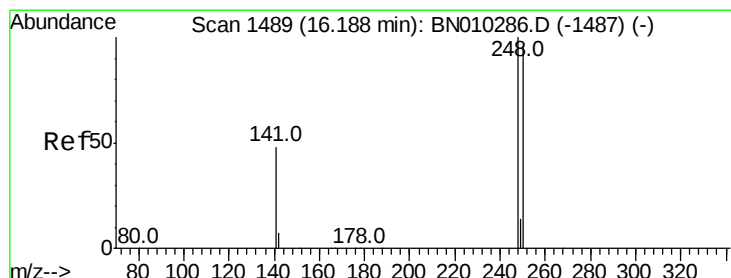
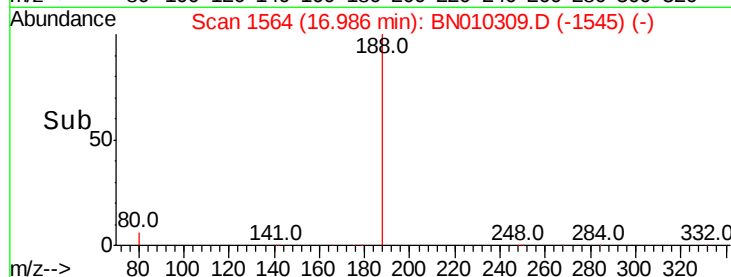
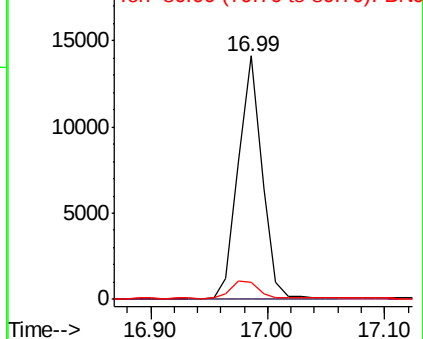
80 6.8 6.0 9.0



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: BN010309.D

Acq: 20 Mar 2020 14:30

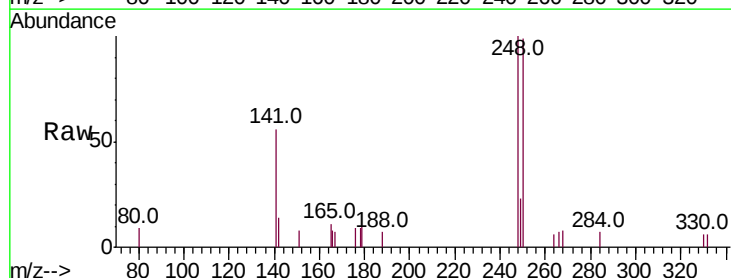
Tgt Ion:248 Resp: 893

Ion Ratio Lower Upper

248 100

250 98.9 76.8 115.2

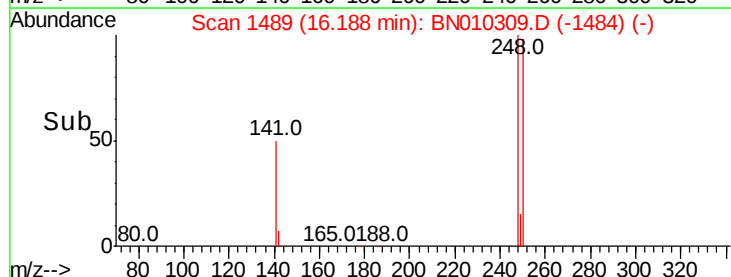
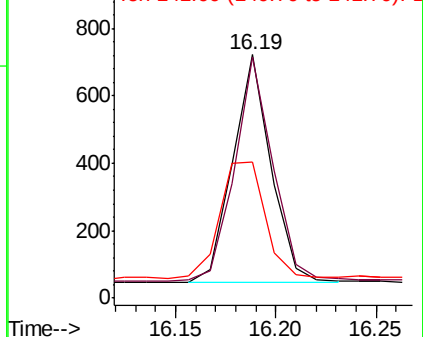
141 55.7 44.4 66.6

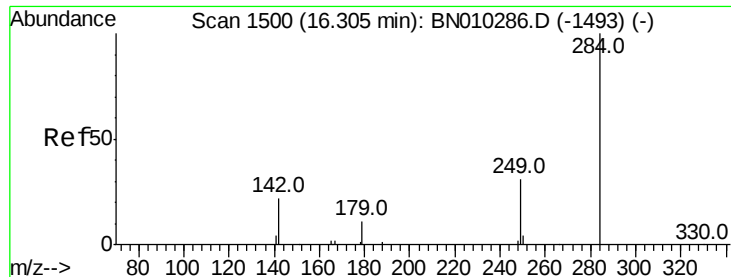


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.081 ng

RT: 16.31 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument:

BNA_N

ClientSampleId:

MDL-SOIL-03-QT1-2020

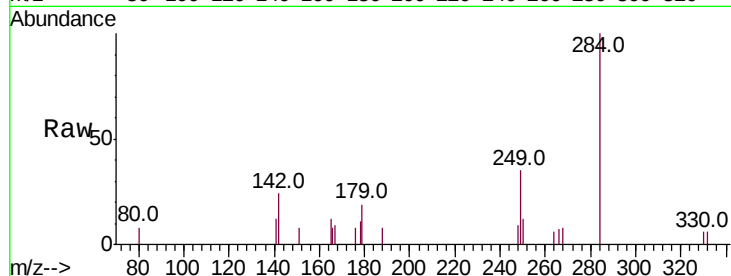
Tot Ion:284 Resp: 1001

Ion Ratio Lower Upper

284 100

142 35.3 27.4 41.2

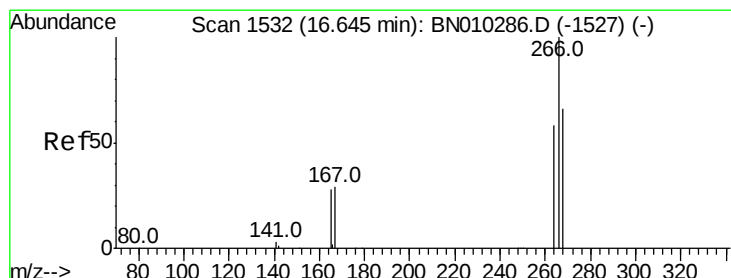
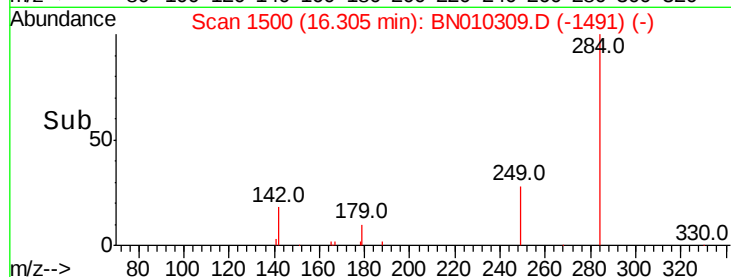
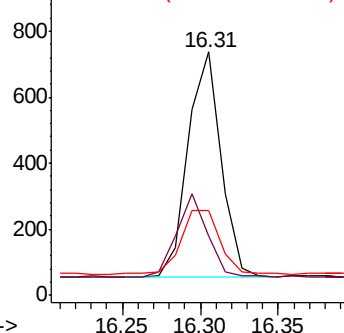
249 35.5 26.5 39.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.158 ng

RT: 16.65 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

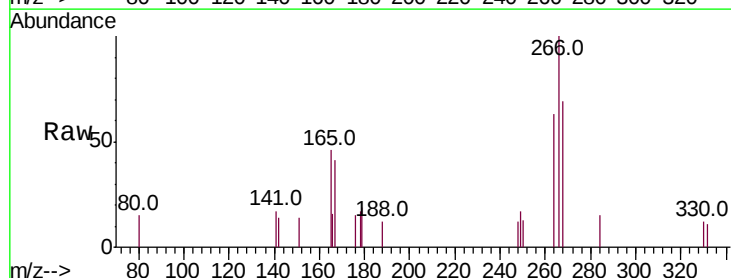
Tgt Ion:266 Resp: 664

Ion Ratio Lower Upper

266 100

264 63.2 47.7 71.5

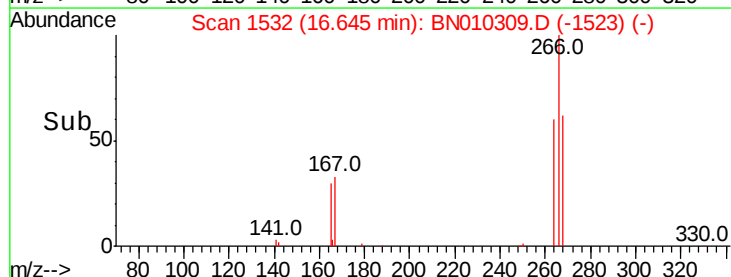
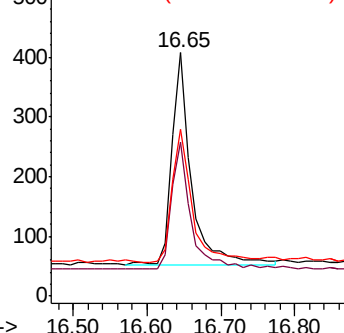
268 68.6 54.9 82.3

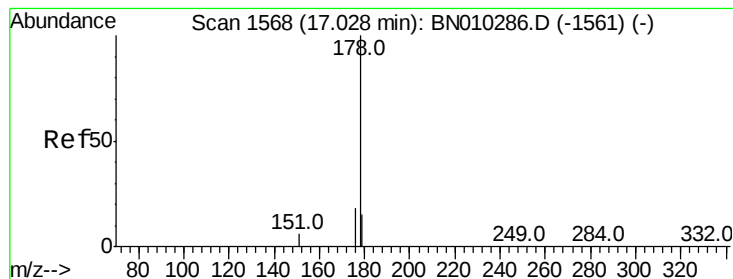


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.080 ng

RT: 17.03 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument:

BNA_N

ClientSampleId:

MDL-SOIL-03-QT1-2020

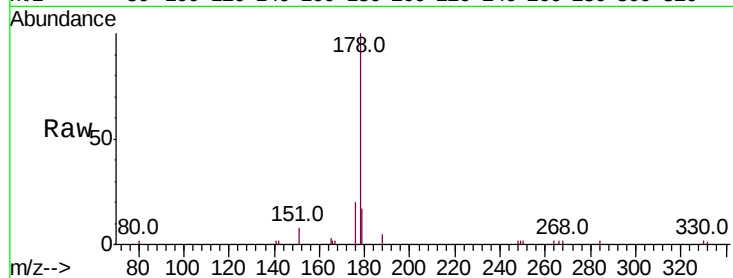
Tot Ion:178 Resp: 4339

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.4

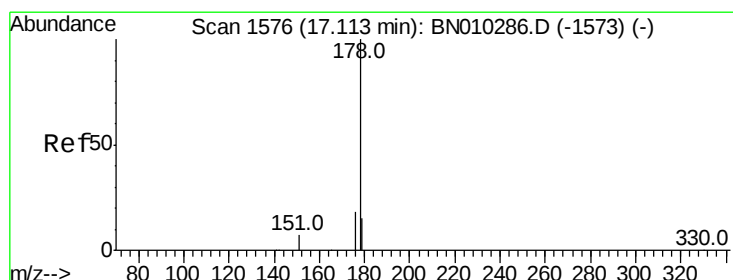
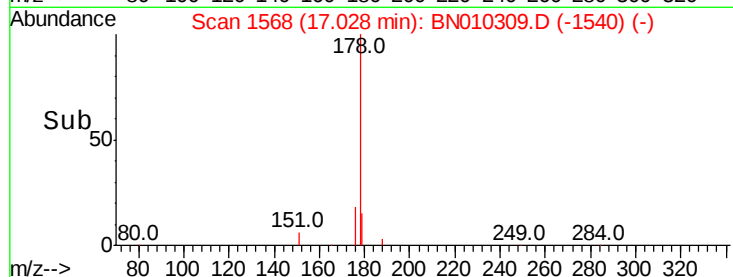
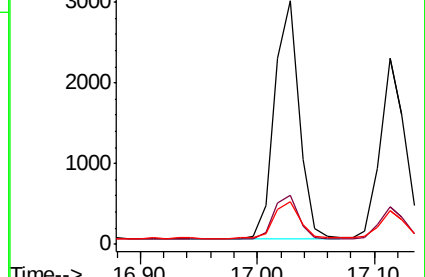
179 16.0 12.4 18.6



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: 0.075 ng

RT: 17.11 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

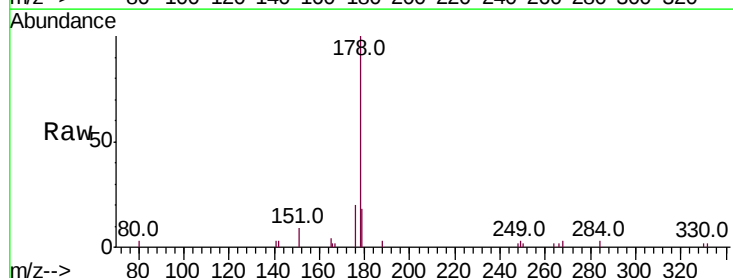
Tgt Ion:178 Resp: 3500

Ion Ratio Lower Upper

178 100

176 19.0 14.5 21.7

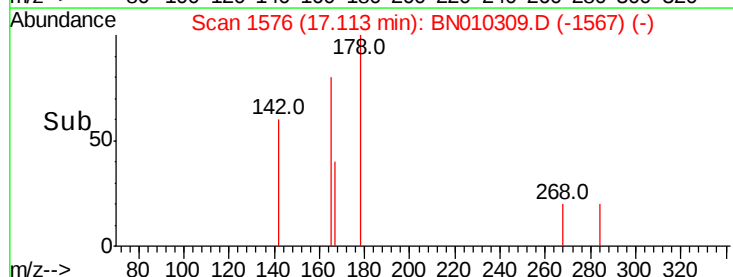
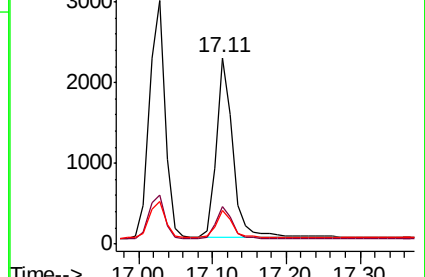
179 16.0 12.3 18.5

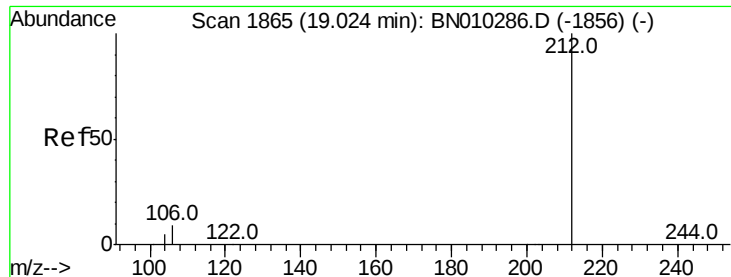


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

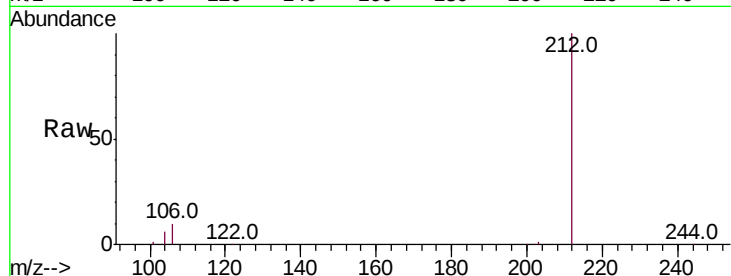
Tot Ion:212 Resp: 20028

Ion Ratio Lower Upper

212 100

106 9.2 7.4 11.2

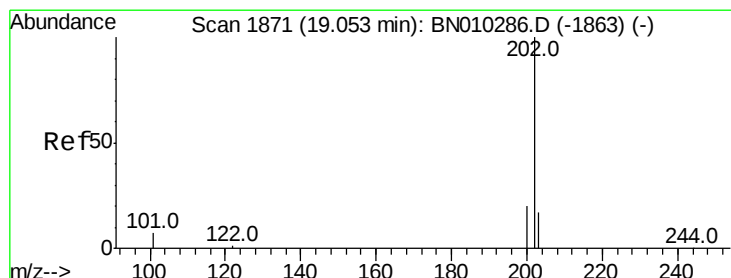
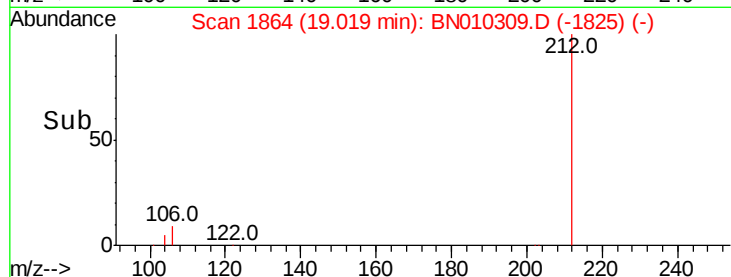
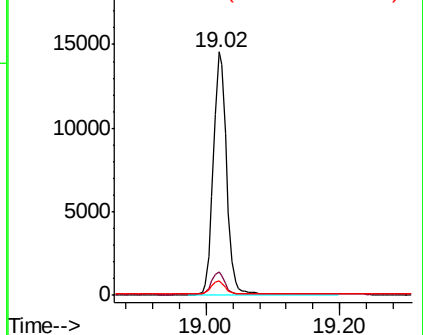
104 5.3 4.2 6.4



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: 0.079 ng

RT: 19.05 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

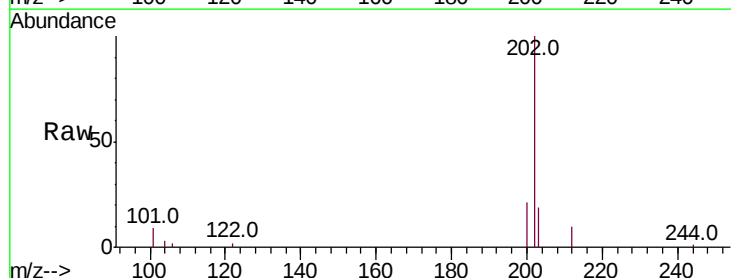
Tgt Ion:202 Resp: 5269

Ion Ratio Lower Upper

202 100

101 8.5 6.6 9.8

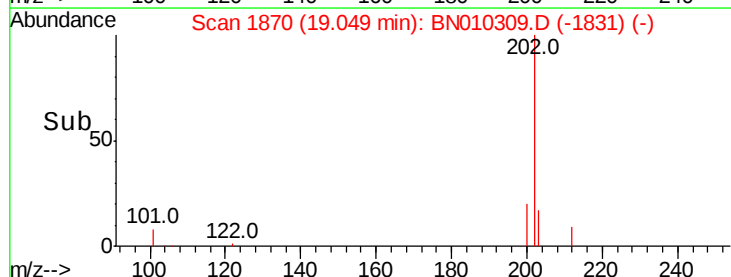
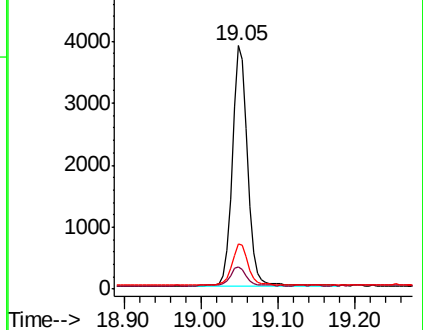
203 17.8 13.8 20.8

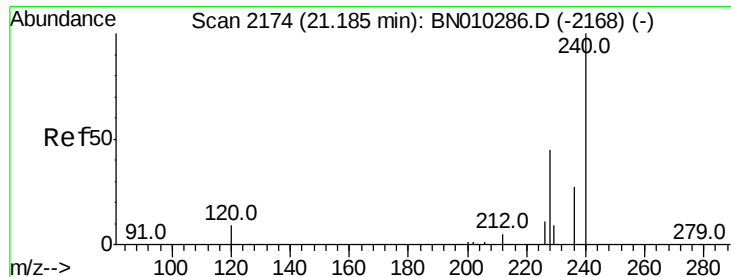


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

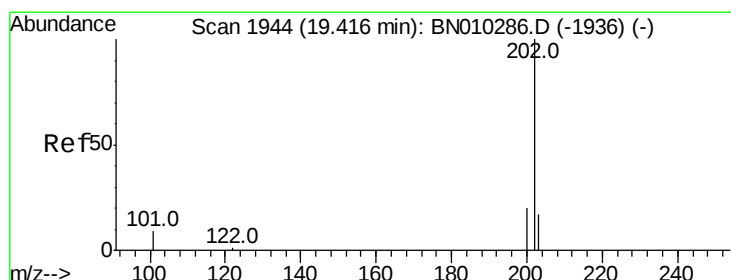
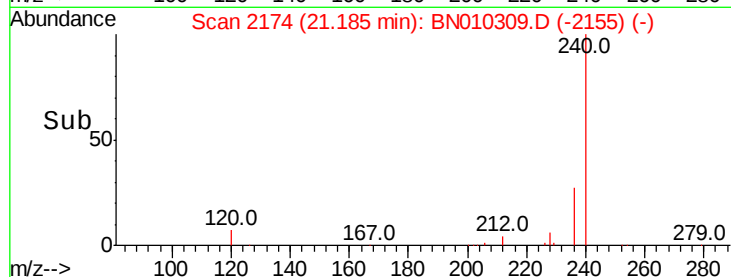
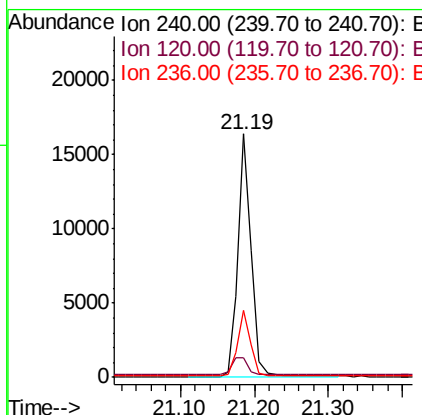
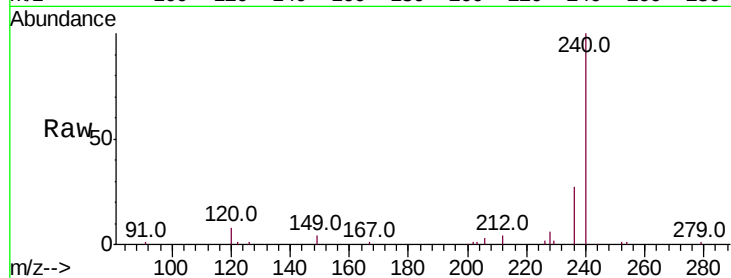




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010309.D
Acq: 20 Mar 2020 14:30

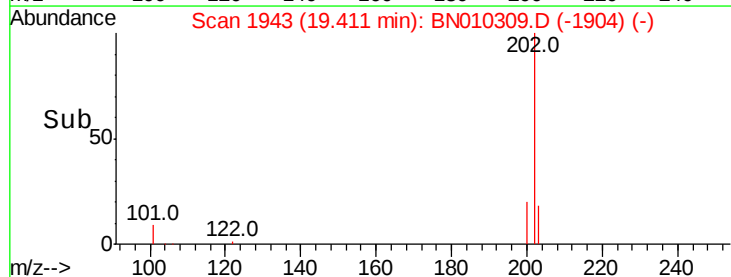
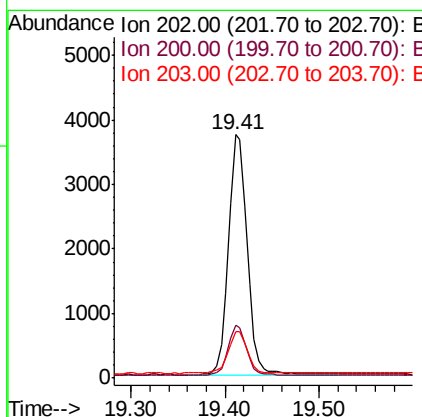
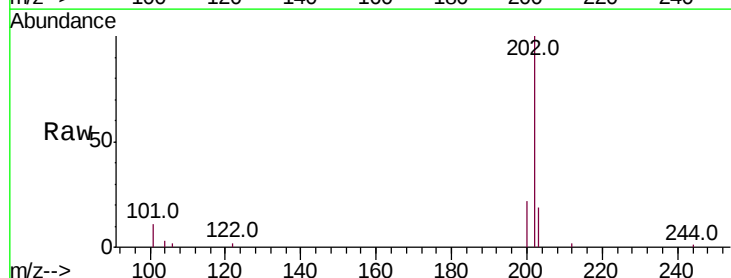
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2020

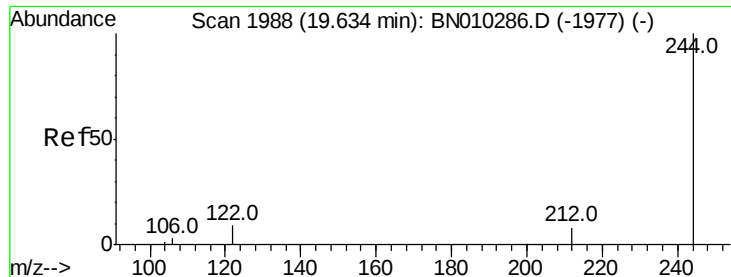
Tot Ion:240 Resp: 20611
Ion Ratio Lower Upper
240 100
120 7.9 7.9 11.9#
236 27.3 22.2 33.4



#28
Pyrene
Concen: 0.080 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BN010309.D
Acq: 20 Mar 2020 14:30

Tgt Ion:202 Resp: 5103
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.4
203 17.5 14.2 21.2





#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.63 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

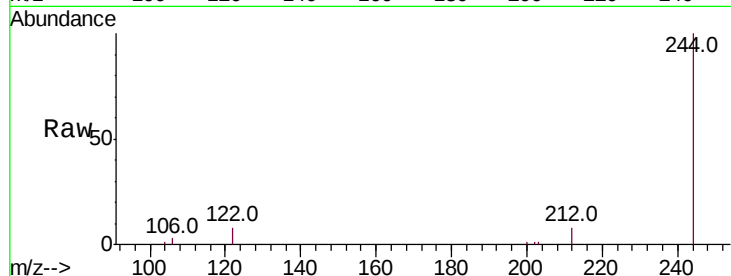
Tot Ion:244 Resp: 17354

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

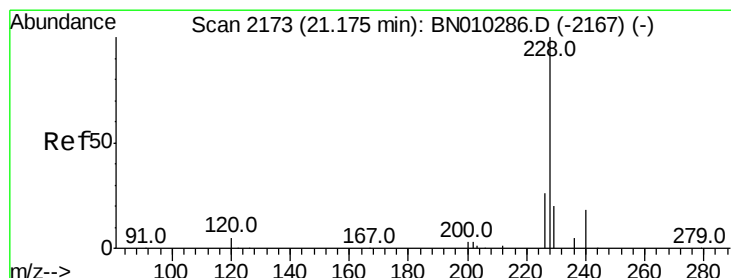
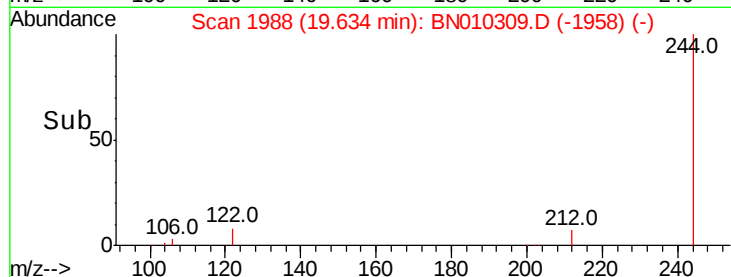
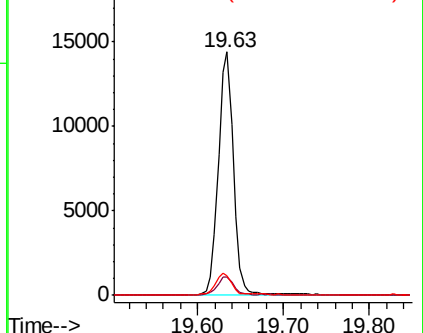
122 8.2 7.6 11.4



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: 0.078 ng

RT: 21.17 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

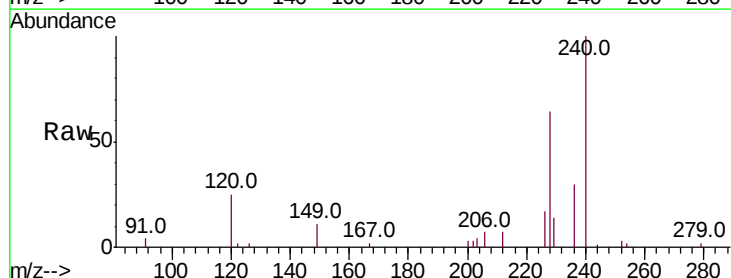
Tgt Ion:228 Resp: 5091

Ion Ratio Lower Upper

228 100

226 27.2 21.0 31.4

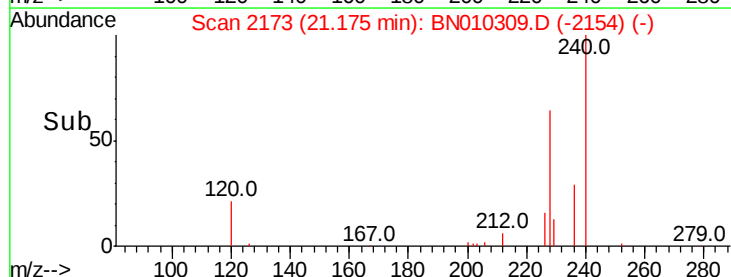
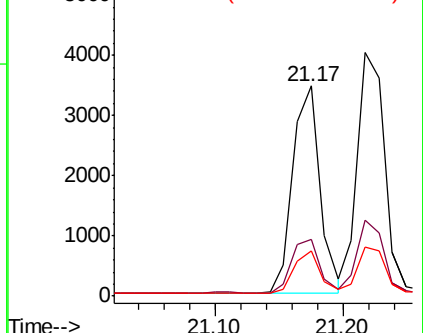
229 21.3 16.0 24.0

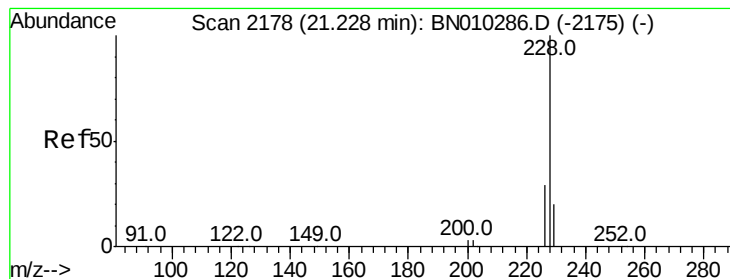


Abundance Ion 228.00 (227.70 to 228.70): E

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: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

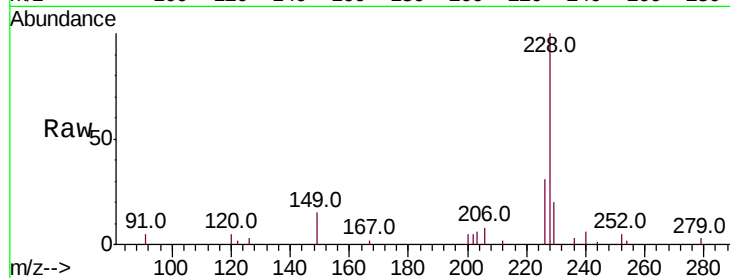
BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:228 Resp: 5910

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	20.4	16.0	24.0

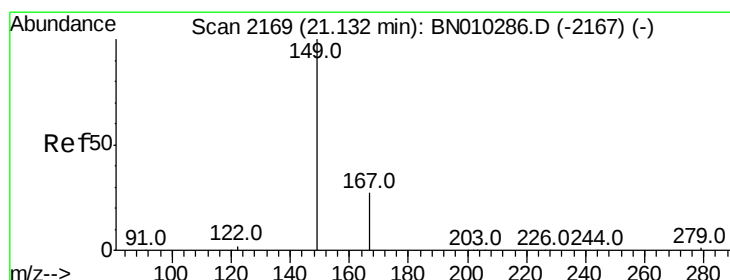
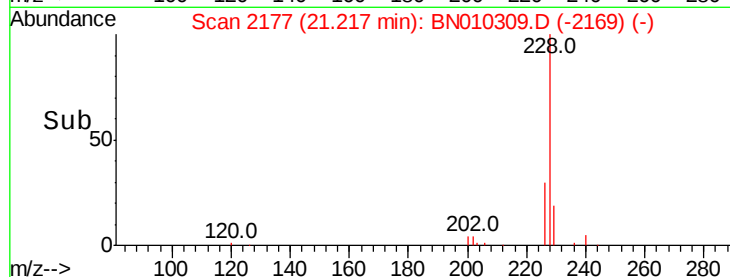
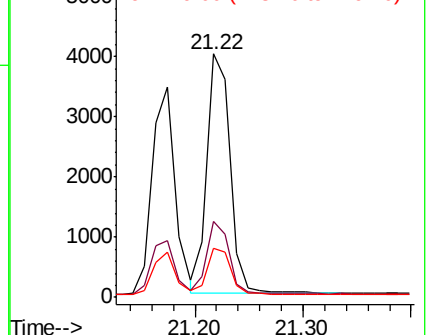


Abundance

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: 0.070 ng

RT: 21.13 min Scan# 2169

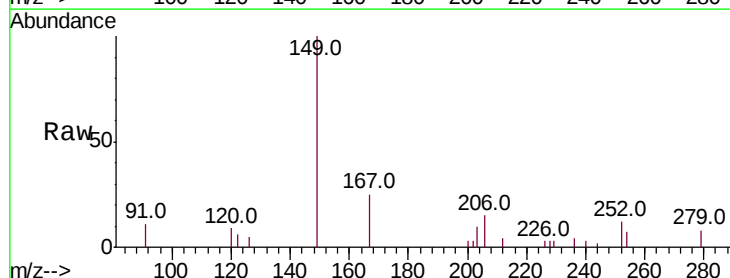
Delta R.T. 0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Tgt Ion:149 Resp: 1560

Ion	Ratio	Lower	Upper
149	100		
167	27.2	23.0	34.6
279	5.3	3.8	5.8

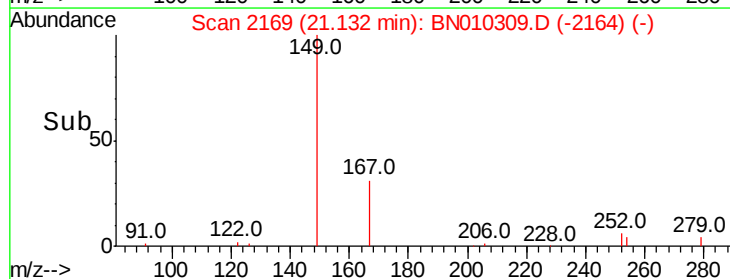
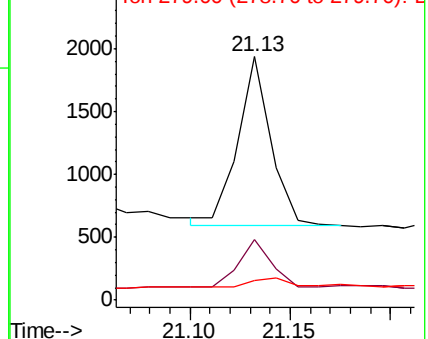


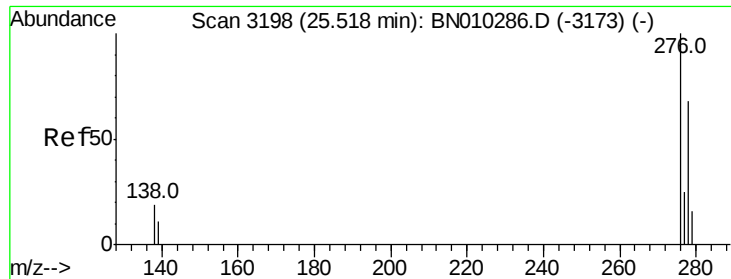
Abundance

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: 0.078 ng

RT: 25.51 min Scan# 3196

Delta R.T. -0.01 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

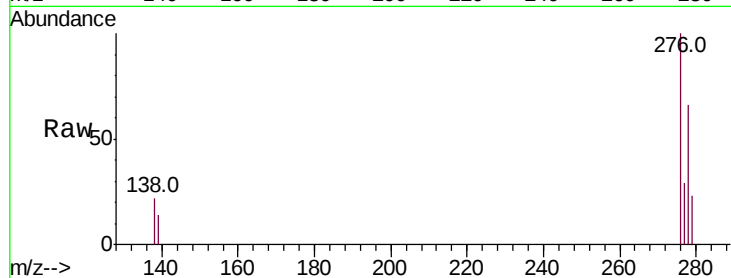
Tot Ion:276 Resp: 5879

Ion Ratio Lower Upper

276 100

138 19.6 15.6 23.4

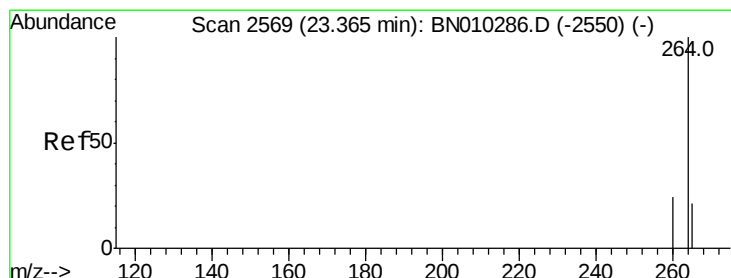
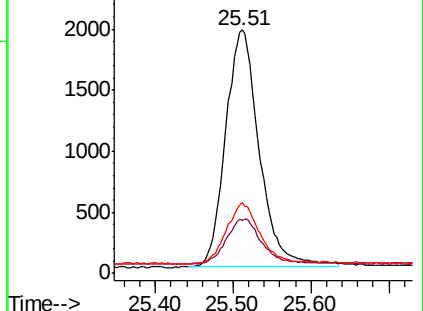
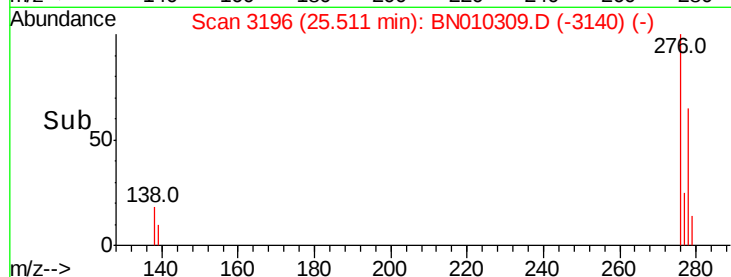
277 25.4 20.1 30.1



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.36 min Scan# 2568

Delta R.T. -0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

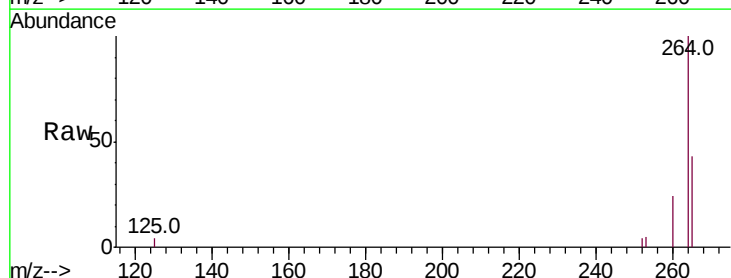
Tgt Ion:264 Resp: 20434

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

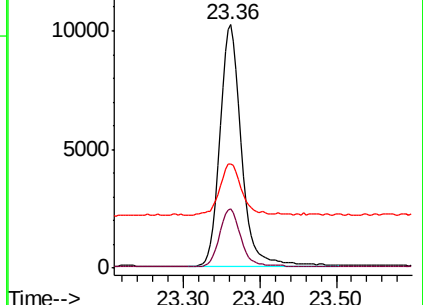
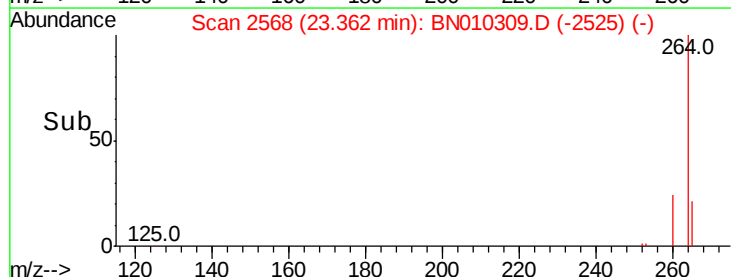
265 42.8 32.4 48.6

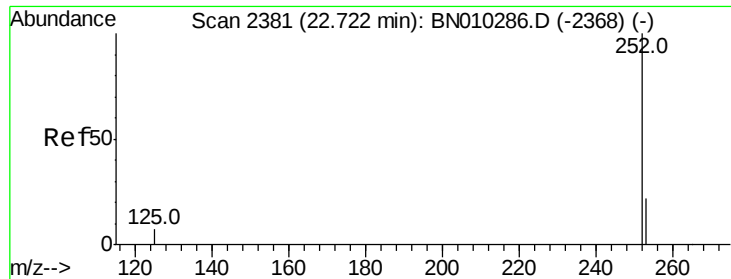


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

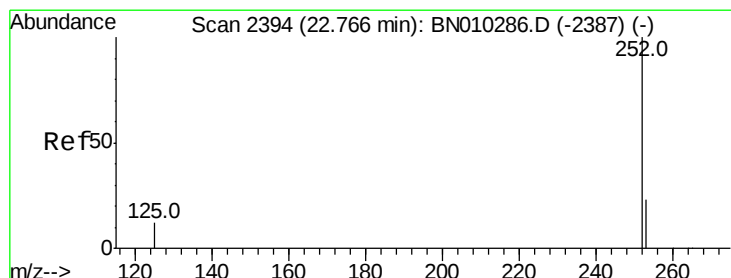
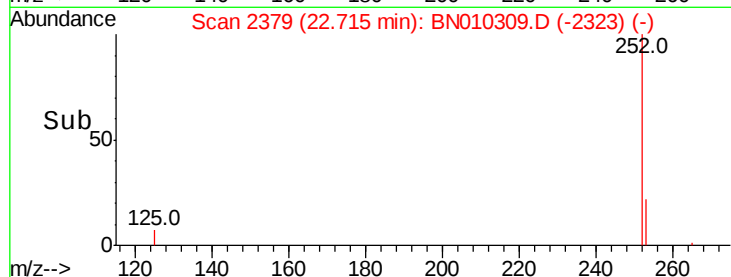
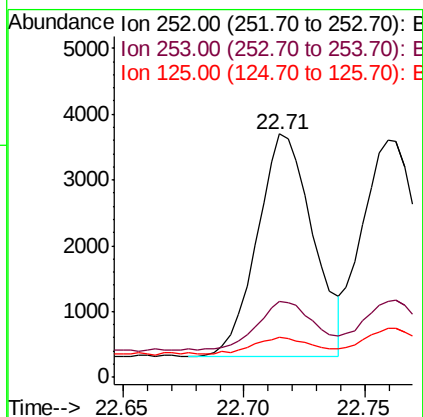
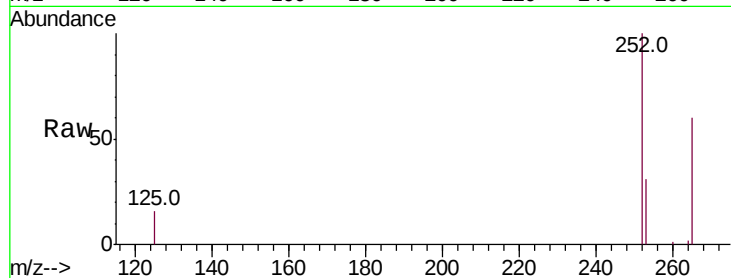




#35
Benzo(b)fluoranthene
Concen: 0.078 ng
RT: 22.71 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BN010309.D
Acq: 20 Mar 2020 14:30

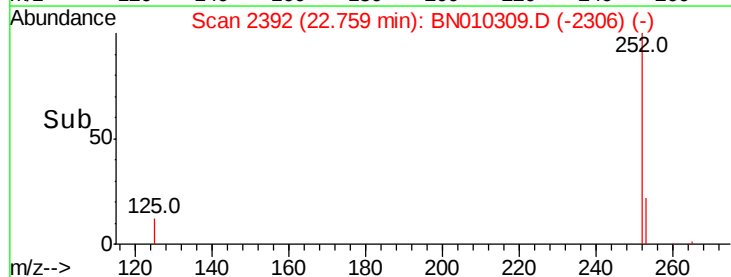
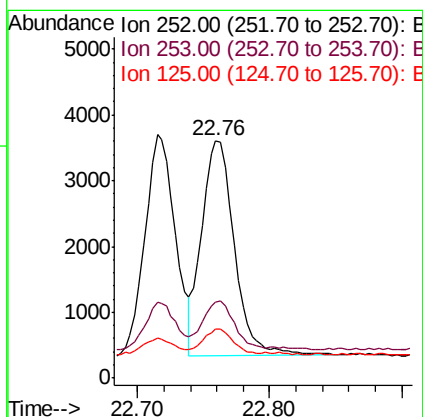
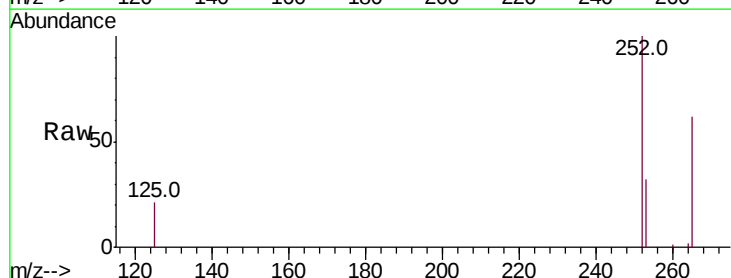
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2020

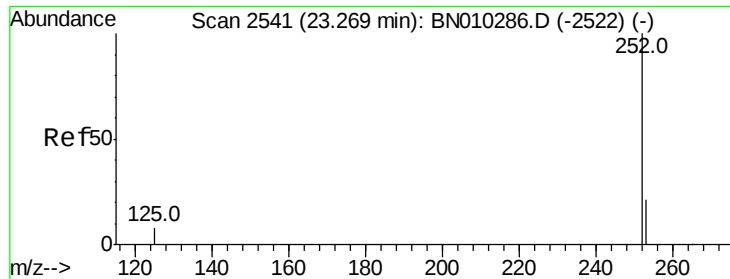
Tot Ion:252 Resp: 5429
Ion Ratio Lower Upper
252 100
253 31.4 19.2 28.8#
125 16.4 7.4 11.0#



#36
Benzo(k)fluoranthene
Concen: 0.079 ng
RT: 22.76 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BN010309.D
Acq: 20 Mar 2020 14:30

Tgt Ion:252 Resp: 5584
Ion Ratio Lower Upper
252 100
253 32.1 19.4 29.0#
125 20.9 10.2 15.2#





#37

Benzo(a)pyrene

Concen: 0.072 ng

RT: 23.27 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

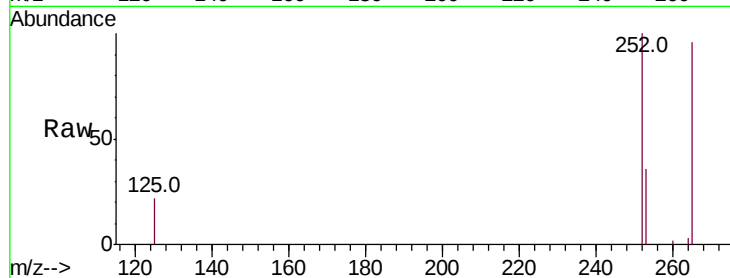
Tot Ion:252 Resp: 4200

Ion Ratio Lower Upper

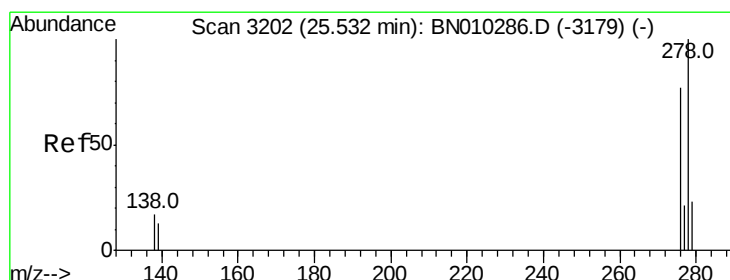
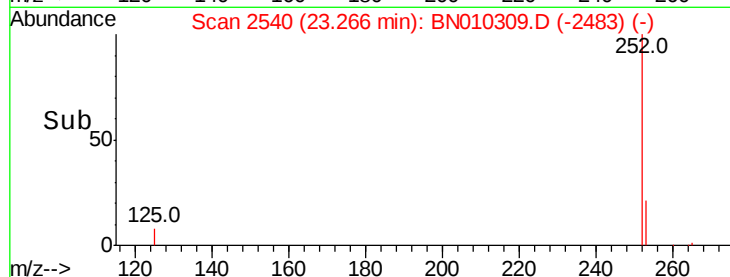
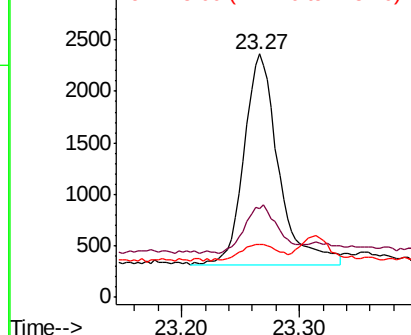
252 100

253 36.4 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: 0.076 ng

RT: 25.52 min Scan# 3199

Delta R.T. -0.01 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

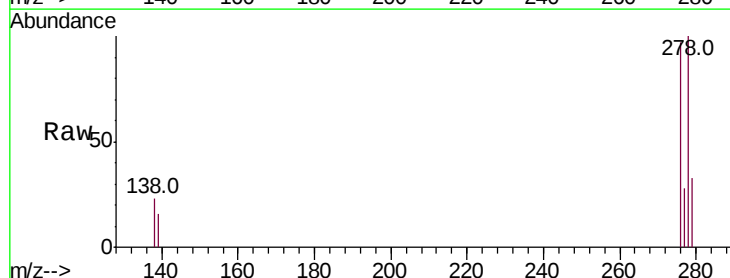
Tgt Ion:278 Resp: 4832

Ion Ratio Lower Upper

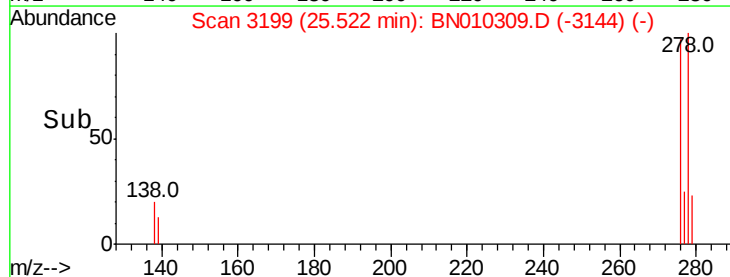
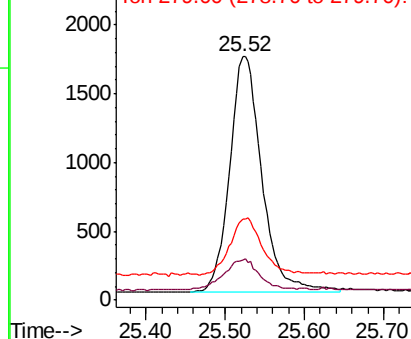
278 100

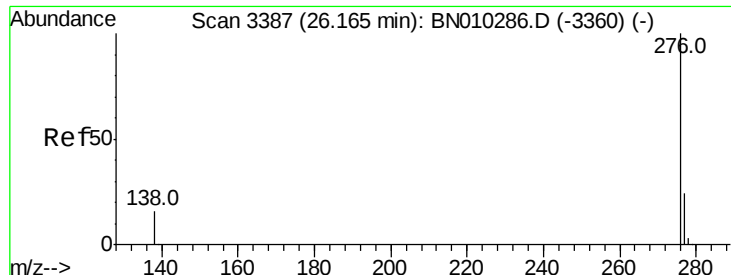
139 16.4 10.6 16.0#

279 33.4 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: 0.083 ng

RT: 26.16 min Scan# 3386

Delta R.T. -0.00 min

Lab File: BN010309.D

Acq: 20 Mar 2020 14:30

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2020

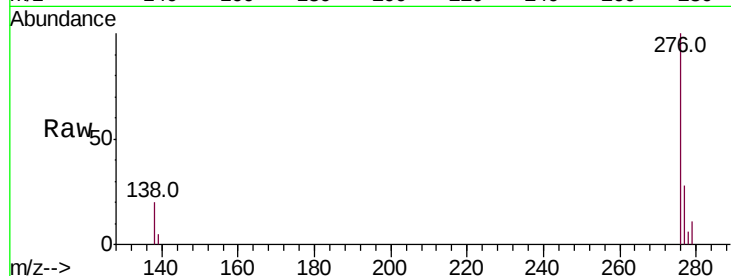
Tot Ion:276 Resp: 5276

Ion Ratio Lower Upper

276 100

277 27.7 19.6 29.4

138 20.5 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

