

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\
 Data File : BN010299.D
 Acq On : 19 Mar 2020 21:39
 Operator : CG/JU
 Sample : L1161-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Quant Time: Mar 20 01:25:15 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	3873	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13653	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	8198	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	19572	0.40	ng	0.00
27) Chrysene-d12	21.19	240	21057	0.40	ng	0.00
34) Perylene-d12	23.36	264	22650	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	2926	0.38	ng	0.00
5) Phenol-d6	6.80	99	3685	0.39	ng	0.00
8) Nitrobenzene-d5	8.74	82	3133	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7463	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	967	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	12132	0.39	ng	0.00
25) Fluoranthene-d10	19.02	212	19823	0.34	ng	0.00
29) Terphenyl-d14	19.63	244	17335	0.38	ng	0.00

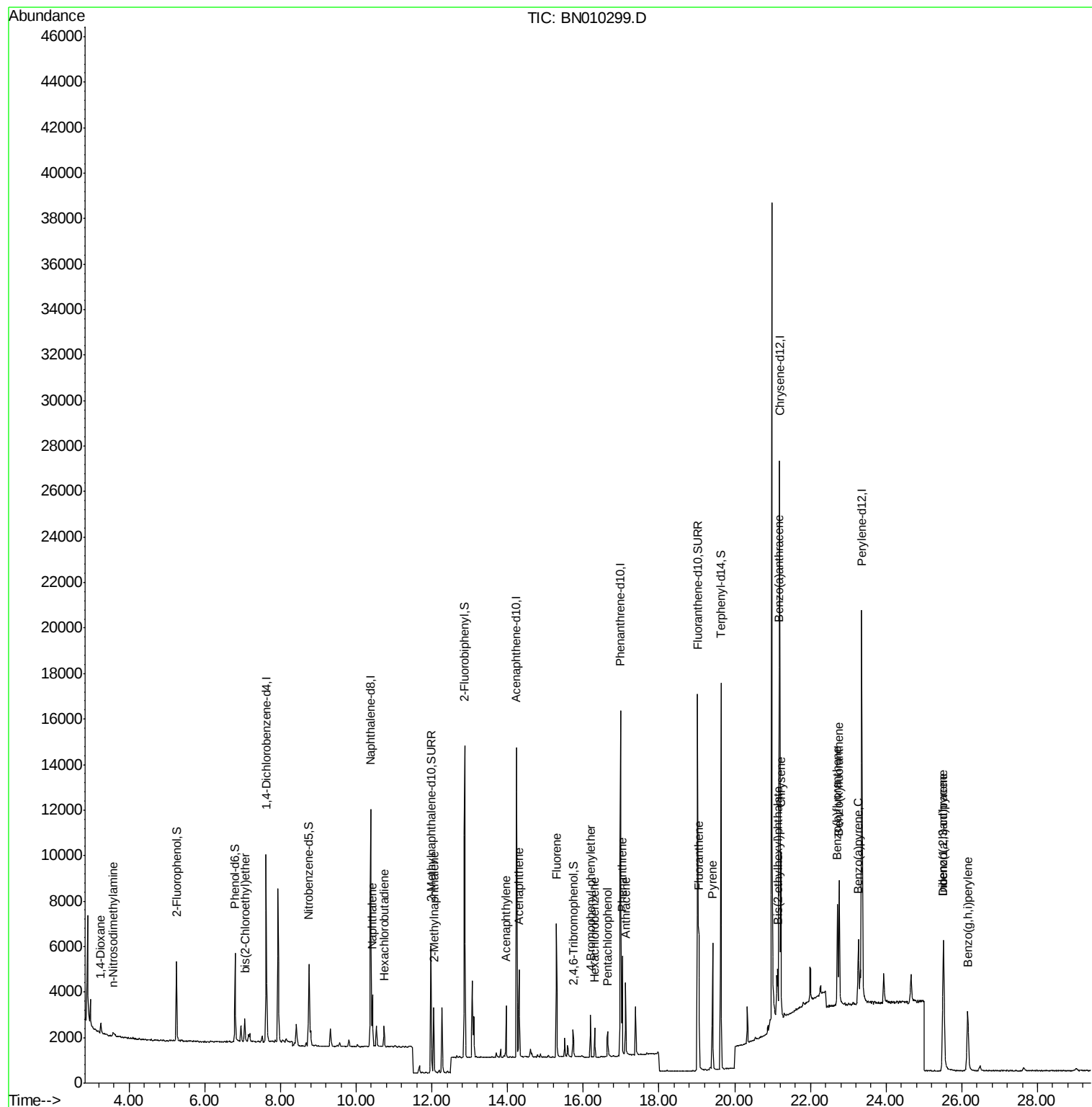
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	292	0.080	ng	# 88
3) n-Nitrosodimethylamine	3.58	42	179	0.058	ng	# 93
6) bis(2-Chloroethyl)ether	7.06	93	832	0.091	ng	98
9) Naphthalene	10.43	128	2933	0.086	ng	# 94
10) Hexachlorobutadiene	10.73	225	709	0.086	ng	# 97
12) 2-Methylnaphthalene	12.05	142	2057	0.087	ng	94
16) Acenaphthylene	13.96	152	2454	0.076	ng	98
17) Acenaphthene	14.30	154	1812	0.079	ng	97
18) Fluorene	15.29	166	2428	0.080	ng	97
20) 4-Bromophenyl-phenylether	16.19	248	891	0.075	ng	93
21) Hexachlorobenzene	16.31	284	1009	0.083	ng	98
22) Pentachlorophenol	16.65	266	679	0.163	ng	93
23) Phenanthrene	17.03	178	4387	0.082	ng	100
24) Anthracene	17.11	178	3548	0.077	ng	99
26) Fluoranthene	19.05	202	5354	0.081	ng	99
28) Pyrene	19.42	202	5199	0.079	ng	99
30) Benzo(a)anthracene	21.17	228	5337	0.080	ng	99
31) Chrysene	21.22	228	6131	0.085	ng	98
32) Bis(2-ethylhexyl)phthalate	21.13	149	1769	0.078	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.51	276	6880	0.089	ng	98
35) Benzo(b)fluoranthene	22.71	252	5621	0.073	ng	# 85
36) Benzo(k)fluoranthene	22.76	252	6030	0.077	ng	# 74
37) Benzo(a)pyrene	23.27	252	4123	0.064	ng	# 76
38) Dibenzo(a,h)anthracene	25.52	278	5682	0.081	ng	# 87
39) Benzo(g,h,i)perylene	26.16	276	5535	0.078	ng	94

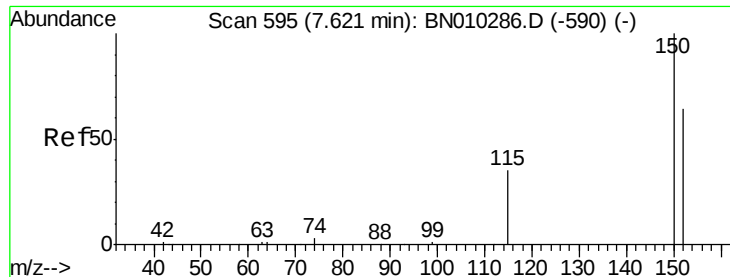
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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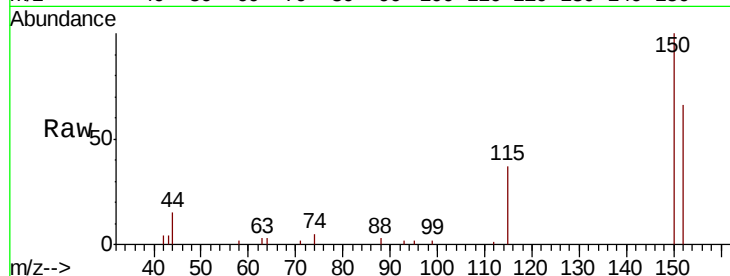


#1

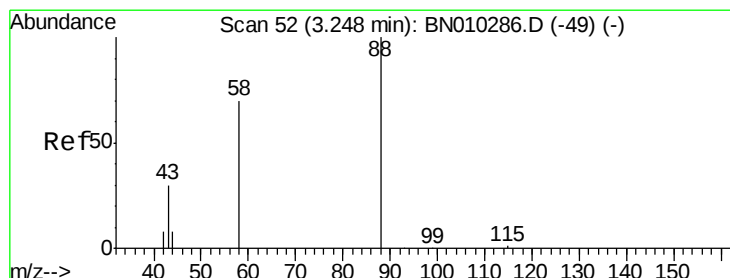
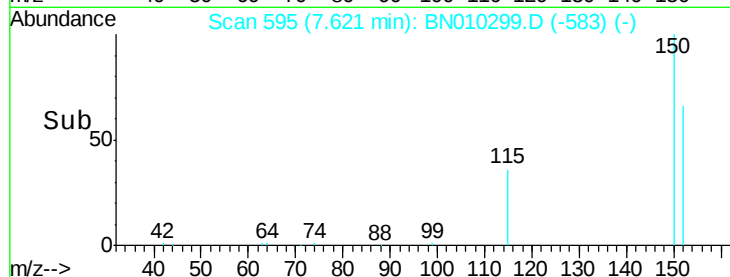
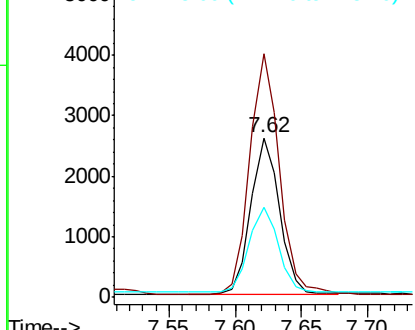
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. -0.00 min
Lab File: BN010299.D
Acq: 19 Mar 2020 21:39

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:152 Resp: 3873
Ion Ratio Lower Upper
152 100
150 152.4 123.1 184.7
115 56.7 45.2 67.8



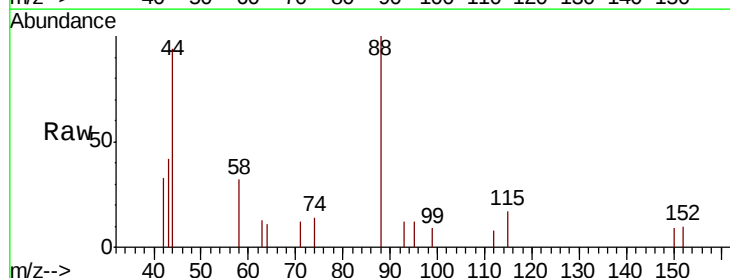
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



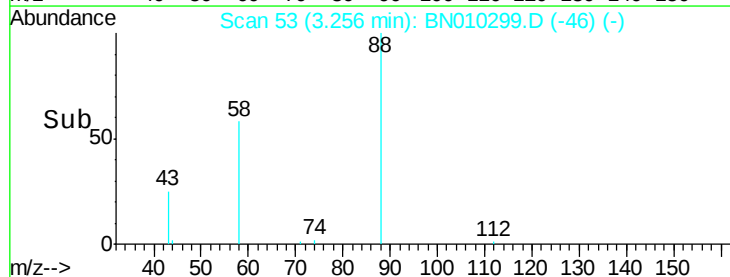
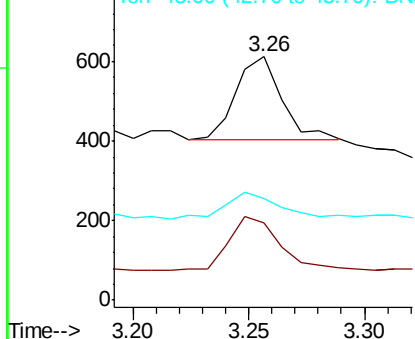
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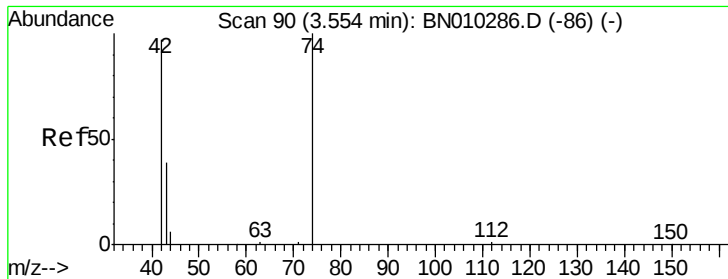
1,4-Dioxane
Concen: 0.080 ng
RT: 3.26 min Scan# 53
Delta R.T. 0.01 min
Lab File: BN010299.D
Acq: 19 Mar 2020 21:39

Tgt Ion: 88 Resp: 292
Ion Ratio Lower Upper
88 100
58 71.2 51.7 77.5
43 36.3 21.2 31.8#



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0



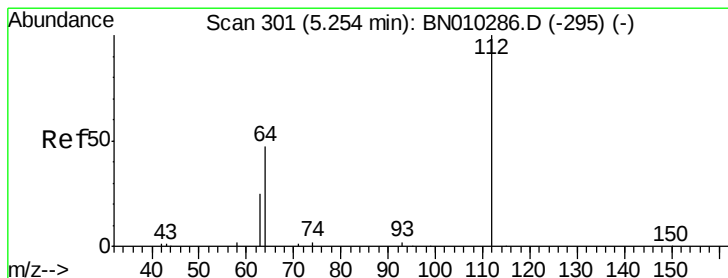
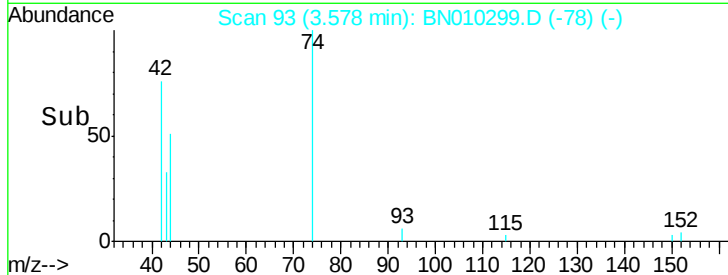
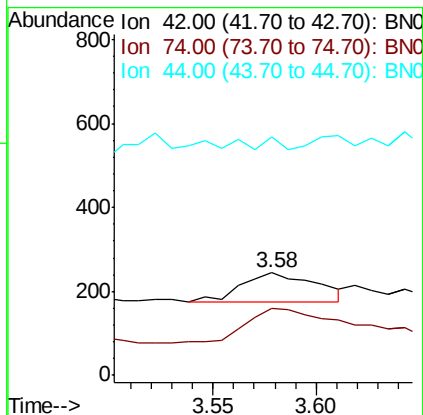
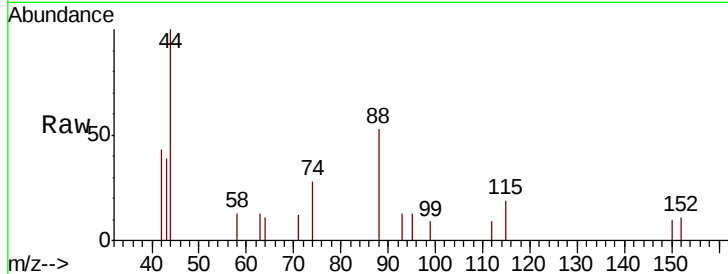


#3

n-Nitrosodimethylamine
 Concen: 0.058 ng
 RT: 3.58 min Scan# 93
 Delta R.T. 0.02 min
 Lab File: BN010299.D
 Acq: 19 Mar 2020 21:39

Instrument :
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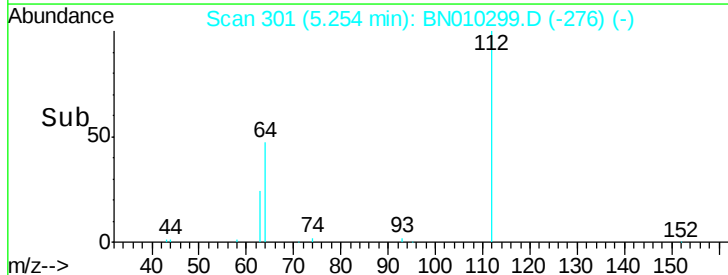
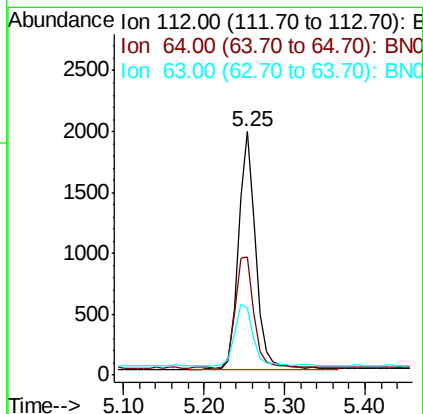
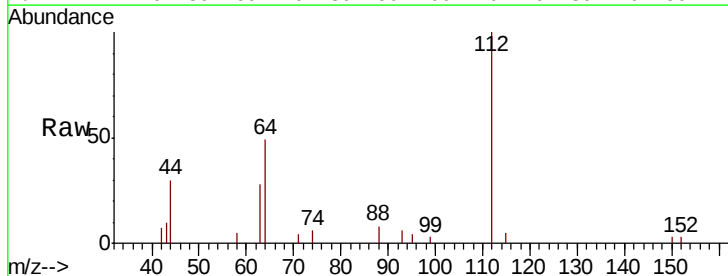
Tot Ion: 42 Resp: 179
 Ion Ratio Lower Upper
 42 100
 74 131.8 99.4 149.0
 44 0.0 4.8 7.2#

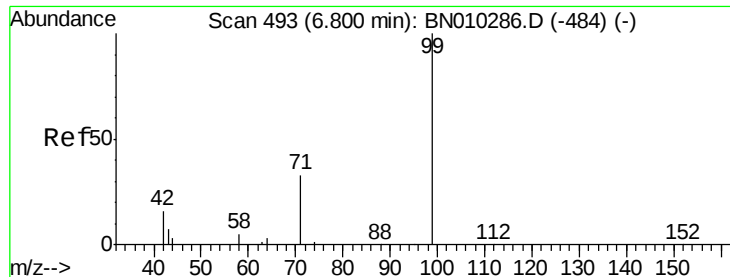


#4

2-Fluorophenol
 Concen: 0.382 ng
 RT: 5.25 min Scan# 301
 Delta R.T. -0.00 min
 Lab File: BN010299.D
 Acq: 19 Mar 2020 21:39

Tgt Ion: 112 Resp: 2926
 Ion Ratio Lower Upper
 112 100
 64 50.2 41.4 62.2
 63 28.6 22.9 34.3





#5

Phenol-d6

Concen: 0.387 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

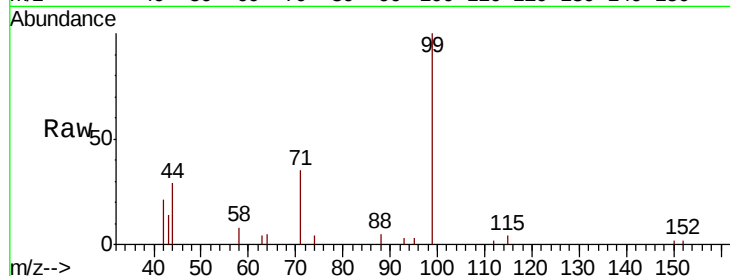
Tot Ion: 99 Resp: 3685

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

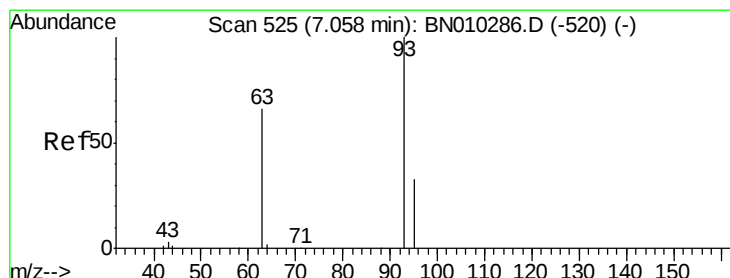
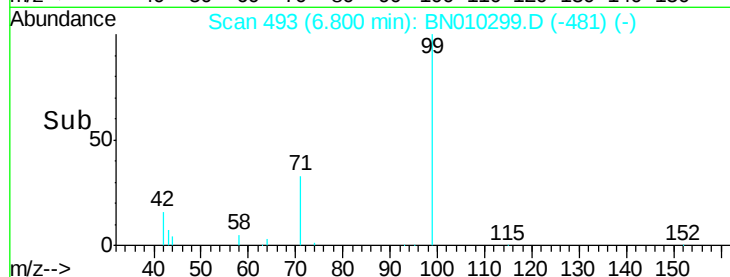
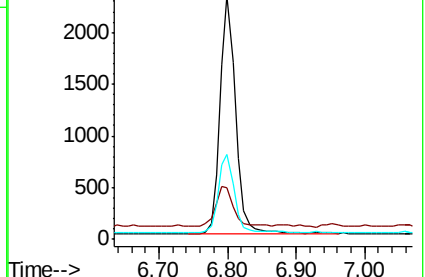
71 33.6 27.3 40.9



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: 0.091 ng

RT: 7.06 min Scan# 525

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

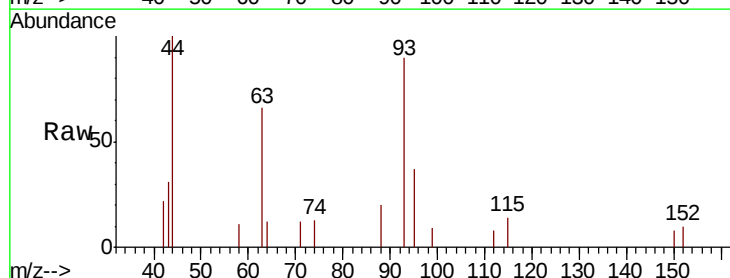
Tgt Ion: 93 Resp: 832

Ion Ratio Lower Upper

93 100

63 68.1 55.6 83.4

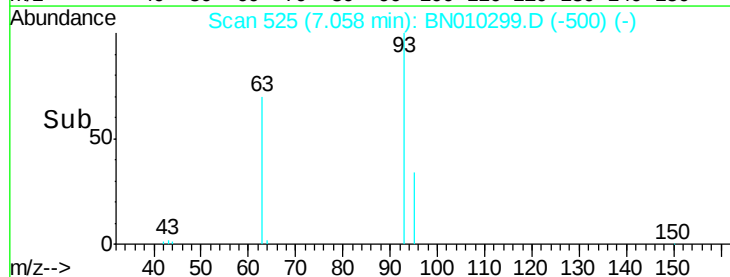
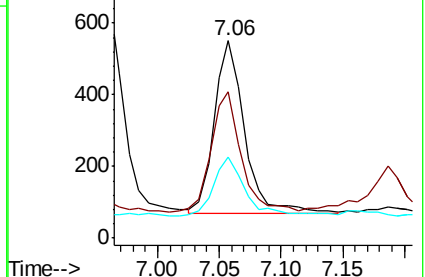
95 35.2 26.2 39.4

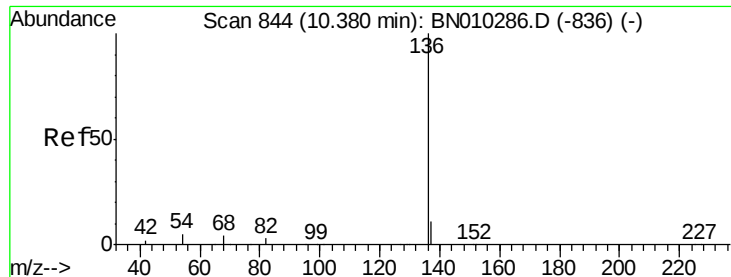


Abundance Ion 93.00 (92.70 to 93.70): BN010286.D (-520) (-)

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: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion:136 Resp: 13653

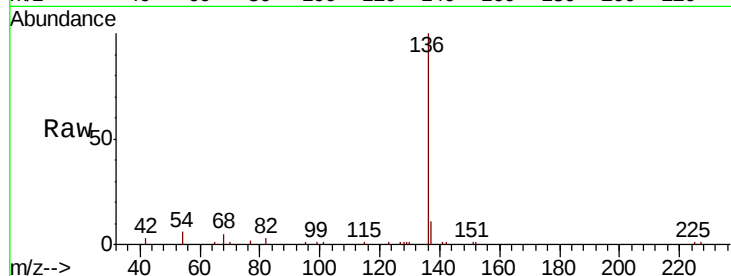
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 5.5 4.8 7.2

68 5.1 4.1 6.1

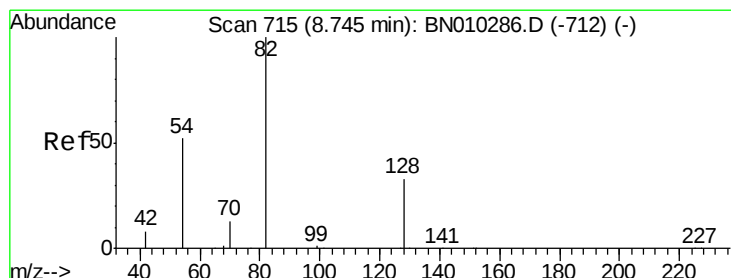
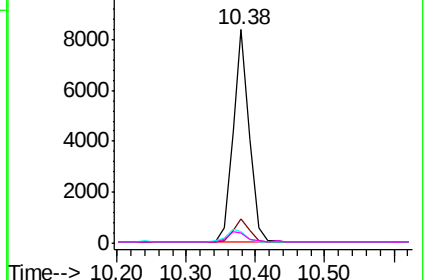
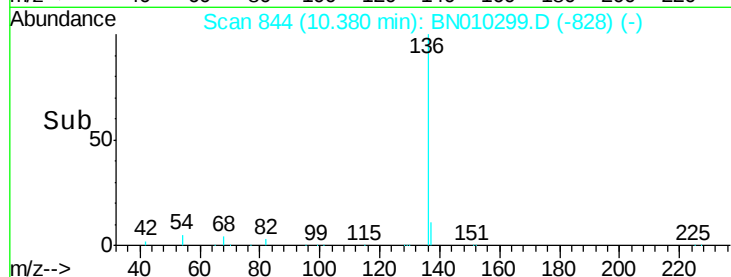


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.358 ng

RT: 8.74 min Scan# 715

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

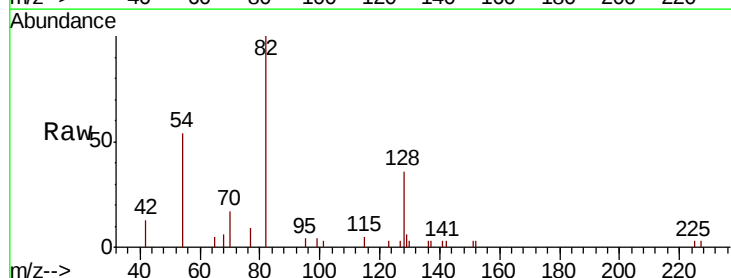
Tgt Ion: 82 Resp: 3133

Ion Ratio Lower Upper

82 100

128 36.4 28.8 43.2

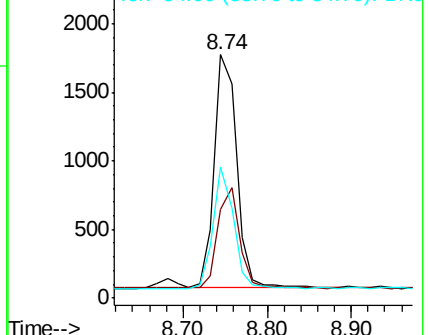
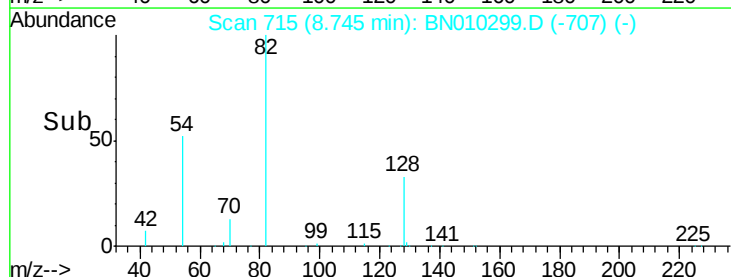
54 53.8 42.1 63.1

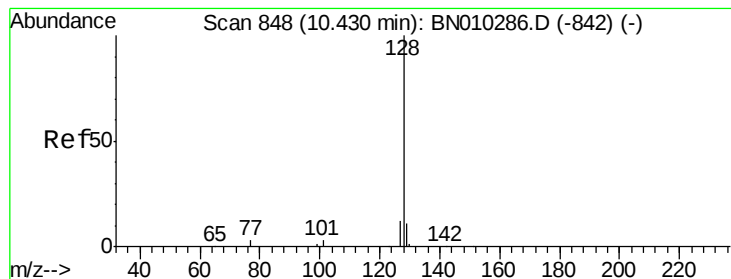


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.086 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

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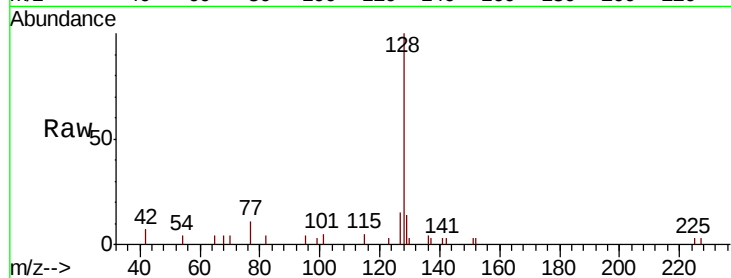
Tot Ion:128 Resp: 2933

Ion Ratio Lower Upper

128 100

129 14.2 9.1 13.7#

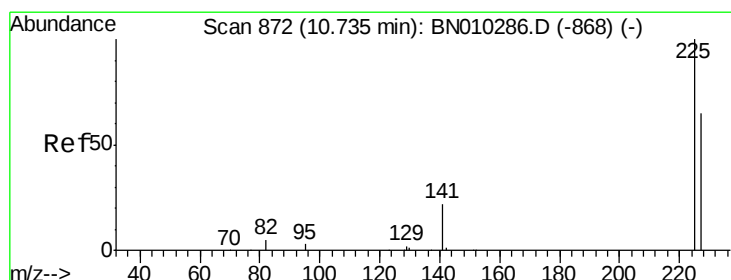
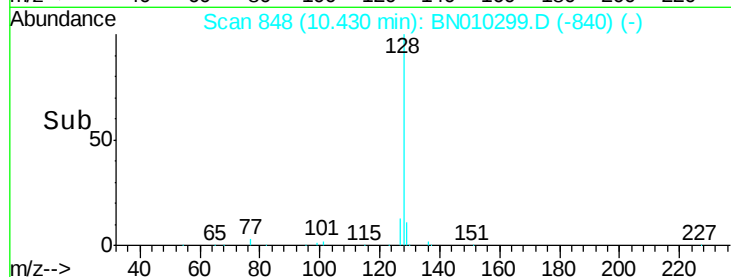
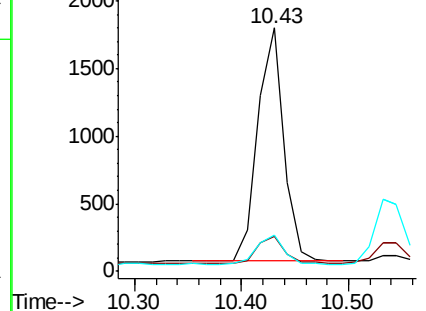
127 15.1 10.4 15.6



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: 0.086 ng

RT: 10.73 min Scan# 872

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

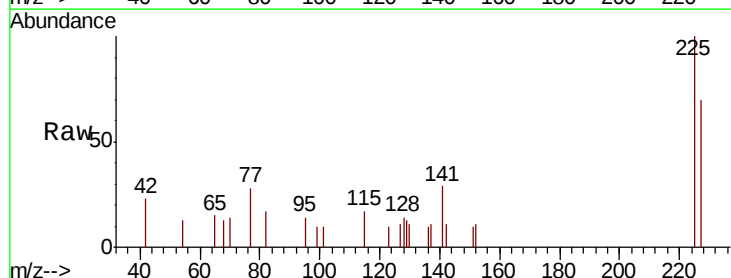
Tgt Ion:225 Resp: 709

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

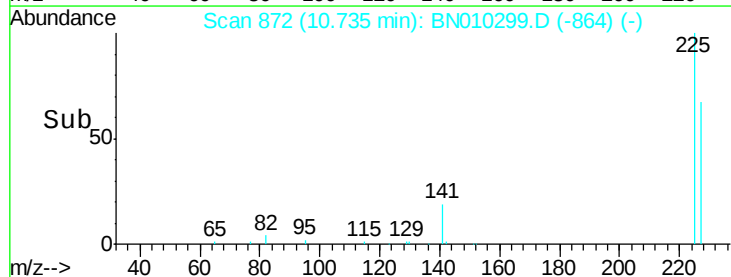
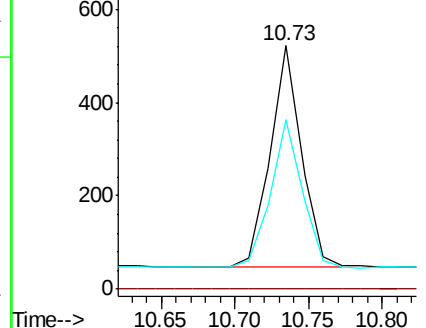
227 67.6 51.9 77.9

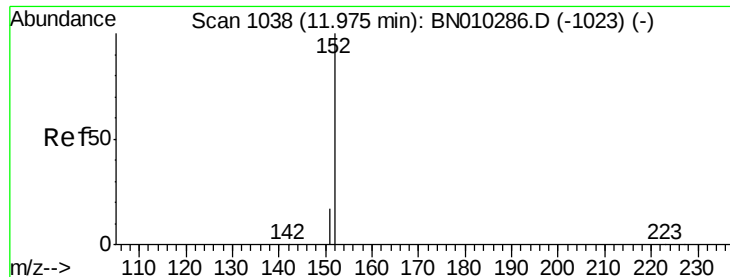


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

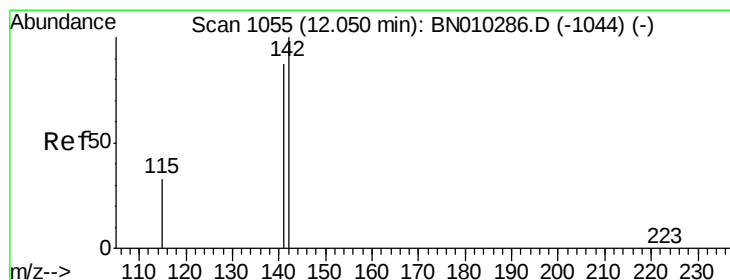
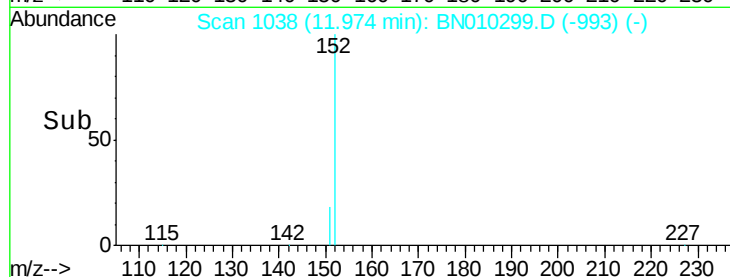
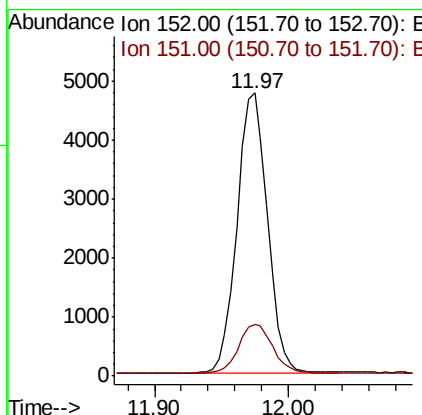
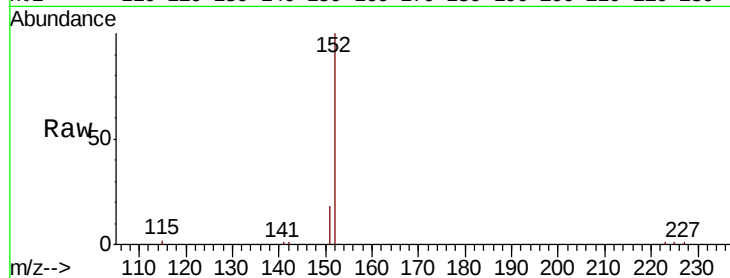




#11
 2-Methylnaphthalene-d10
 Concen: 0.342 ng
 RT: 11.97 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BN010299.D
 Acq: 19 Mar 2020 21:39

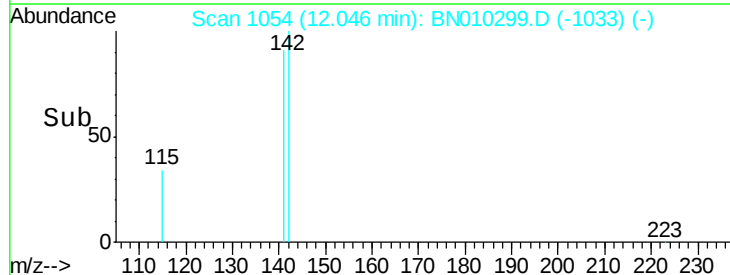
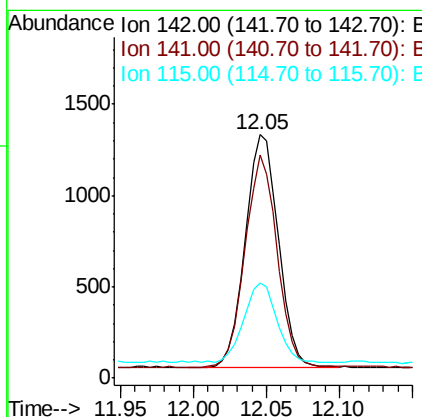
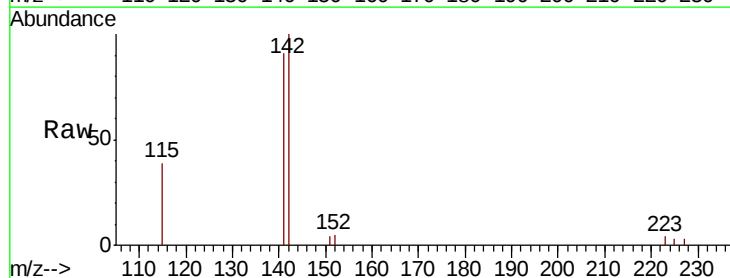
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

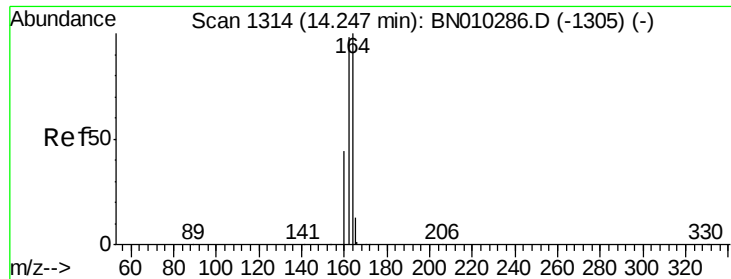
Tot Ion:152 Resp: 7463
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.087 ng
 RT: 12.05 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BN010299.D
 Acq: 19 Mar 2020 21:39

Tgt Ion:142 Resp: 2057
 Ion Ratio Lower Upper
 142 100
 141 91.5 69.5 104.3
 115 39.0 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: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

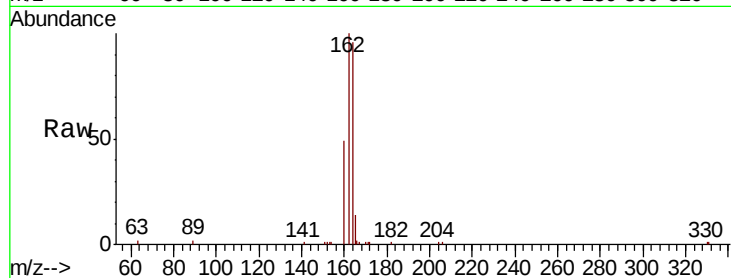
Tot Ion:164 Resp: 8198

Ion Ratio Lower Upper

164 100

162 104.3 78.2 117.2

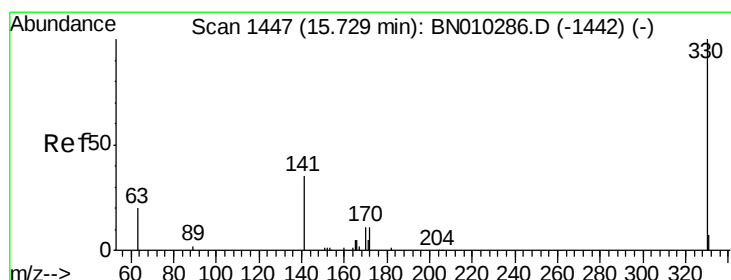
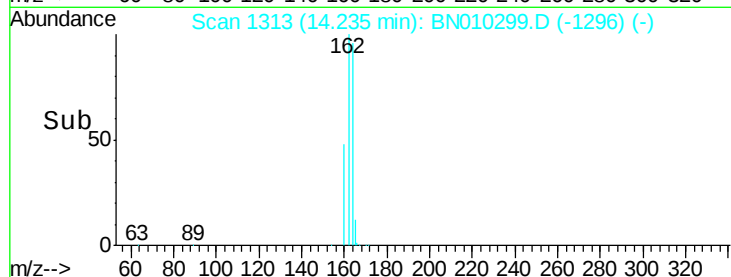
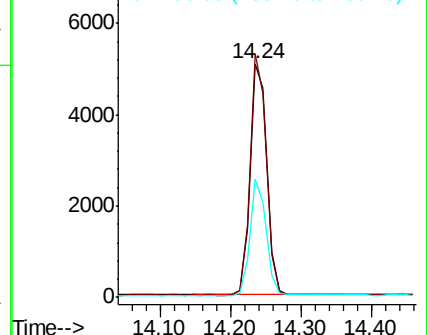
160 50.8 35.8 53.6



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: 0.307 ng

RT: 15.73 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

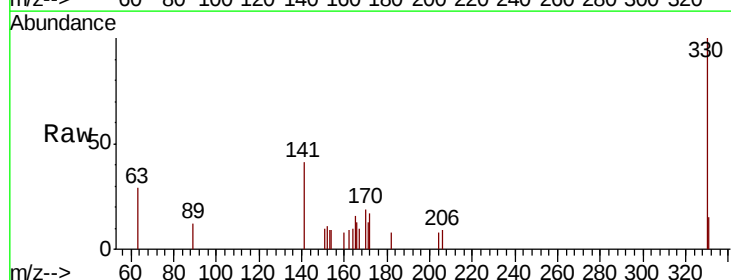
Tgt Ion:330 Resp: 967

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

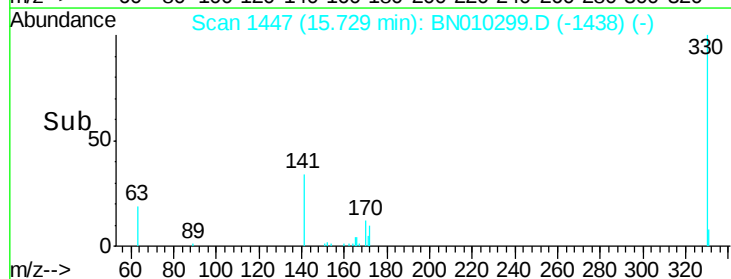
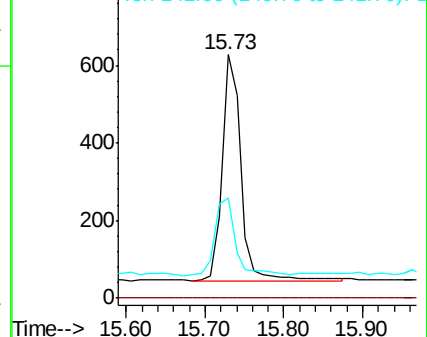
141 37.4 29.3 43.9

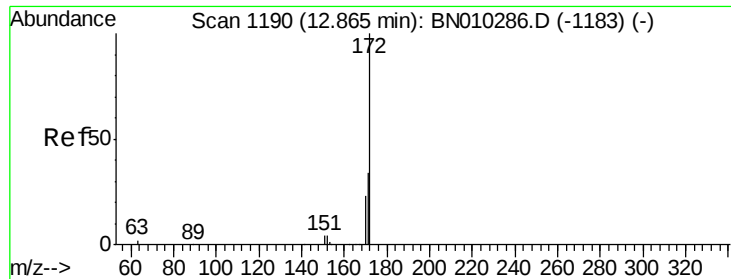


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

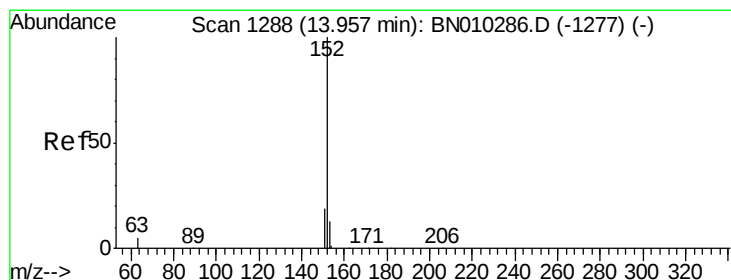
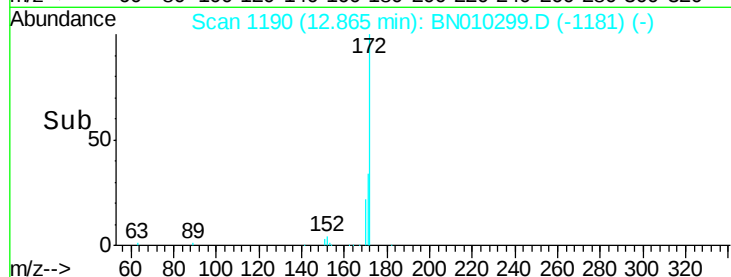
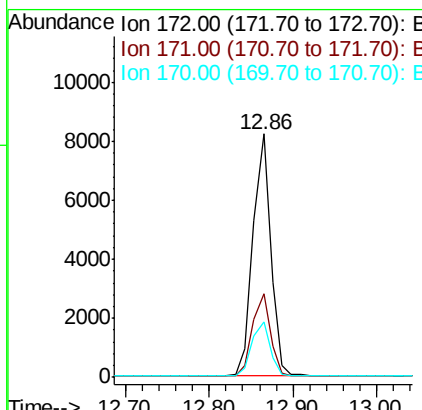
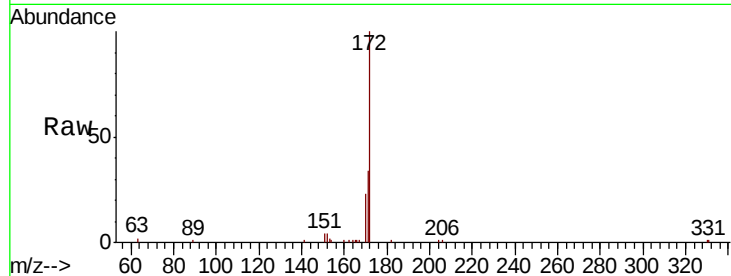




#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BN010299.D
Acq: 19 Mar 2020 21:39

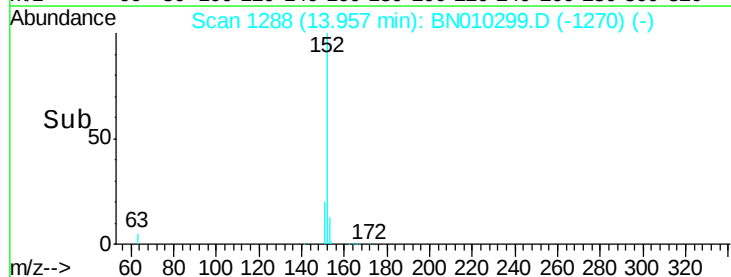
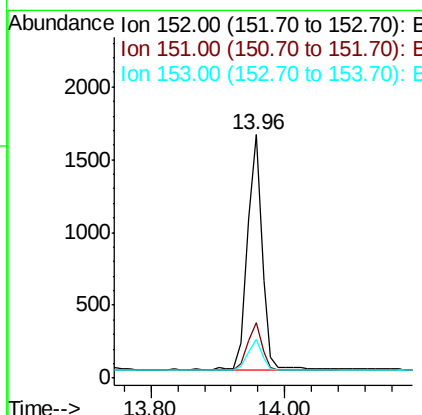
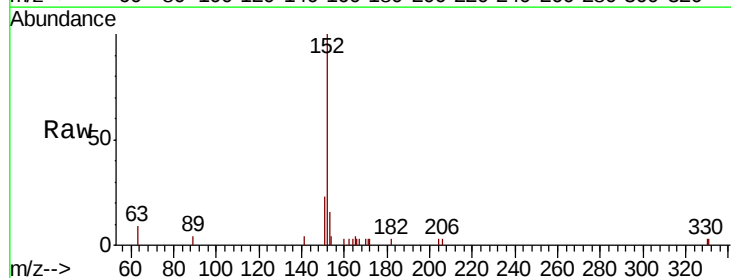
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2020

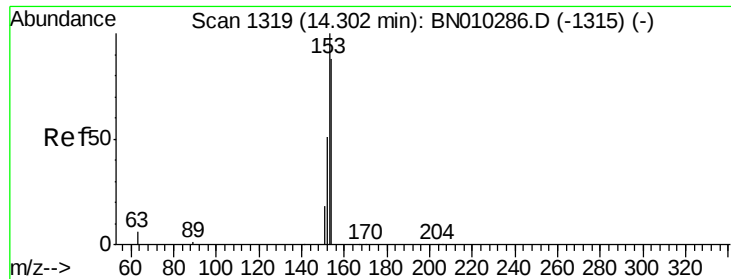
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.6	41.4
170	22.8	18.5	27.7



#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.96 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BN010299.D
Acq: 19 Mar 2020 21:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.6	23.4
153	12.4	10.6	15.8





#17

Acenaphthene

Concen: 0.079 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

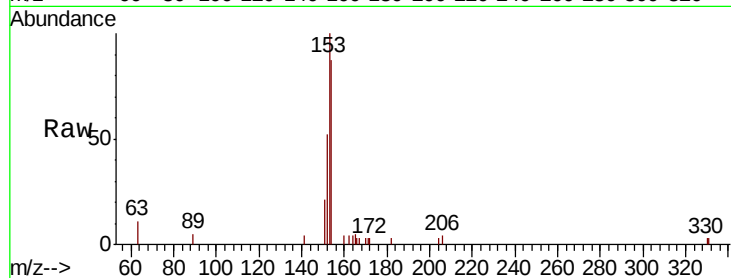
Tot Ion:154 Resp: 1812

Ion Ratio Lower Upper

154 100

153 114.6 88.1 132.1

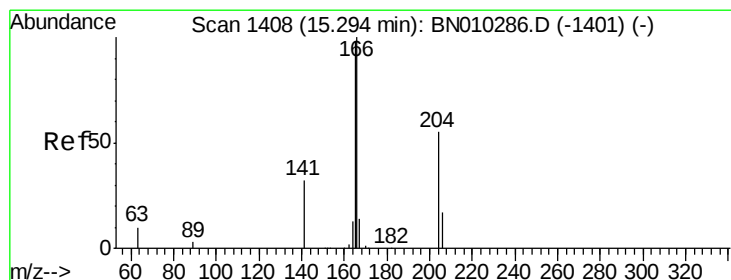
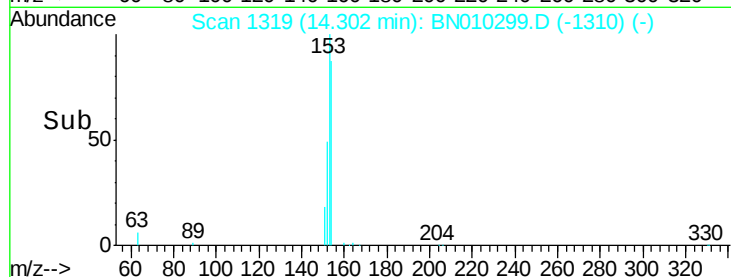
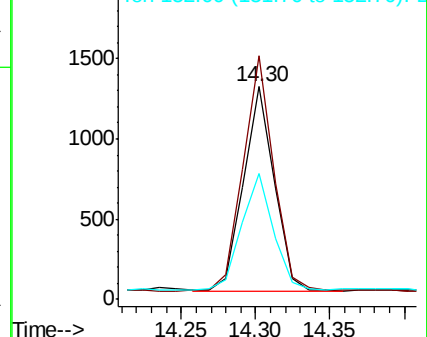
152 58.2 45.5 68.3



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: 0.080 ng

RT: 15.29 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

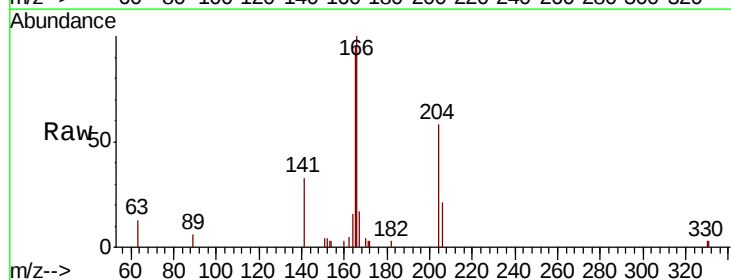
Tgt Ion:166 Resp: 2428

Ion Ratio Lower Upper

166 100

165 95.6 78.7 118.1

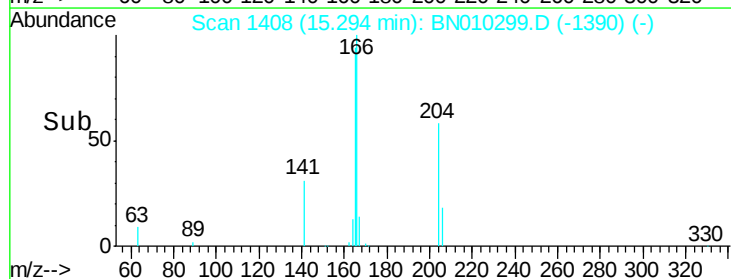
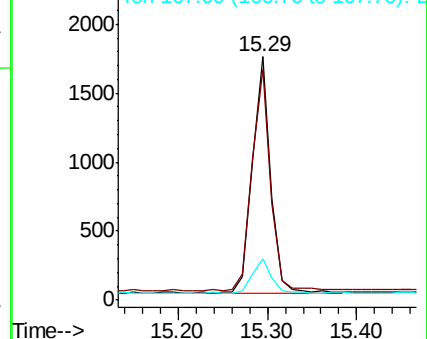
167 14.7 11.0 16.4

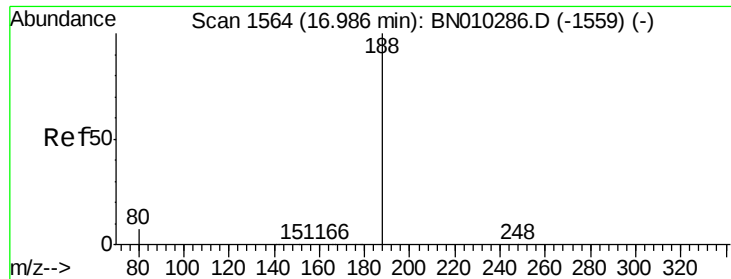


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

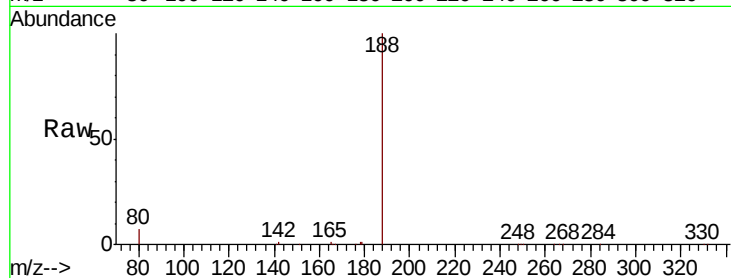
Tot Ion:188 Resp: 19572

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

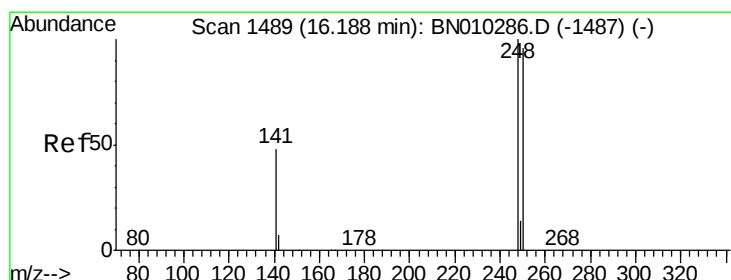
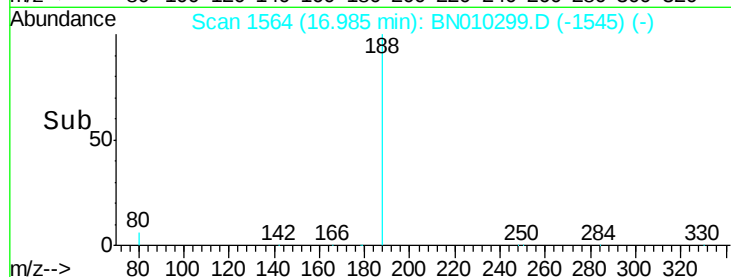
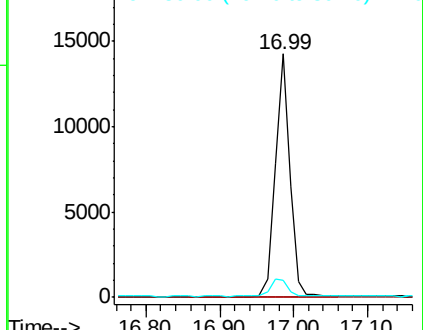
80 6.8 6.0 9.0



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: BN010299.D

Acq: 19 Mar 2020 21:39

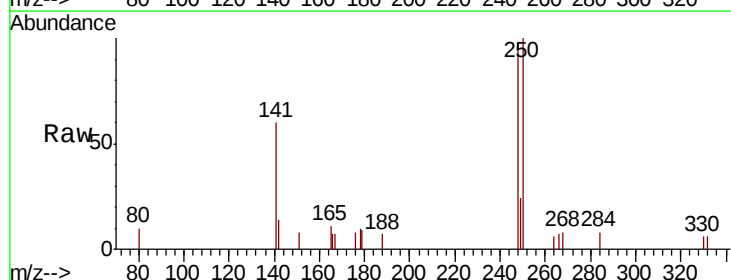
Tgt Ion:248 Resp: 891

Ion Ratio Lower Upper

248 100

250 102.1 76.8 115.2

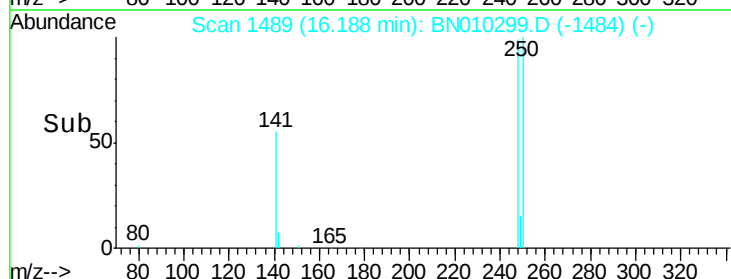
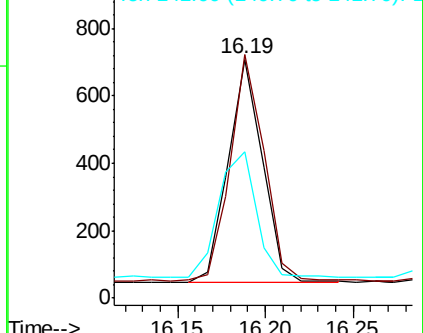
141 61.2 44.4 66.6

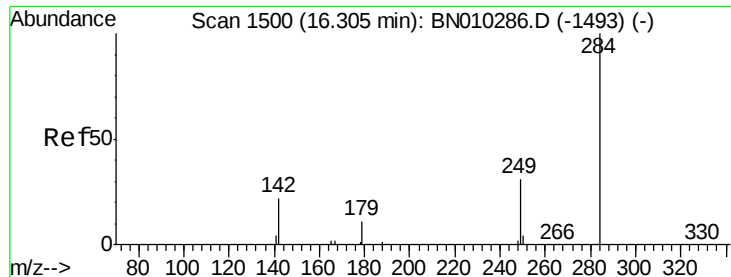


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.083 ng

RT: 16.31 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

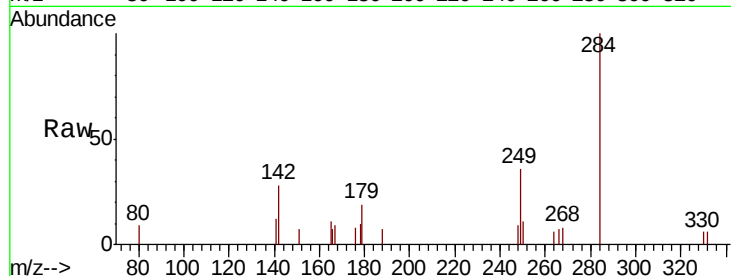
Tot Ion:284 Resp: 1009

Ion Ratio Lower Upper

284 100

142 35.0 27.4 41.2

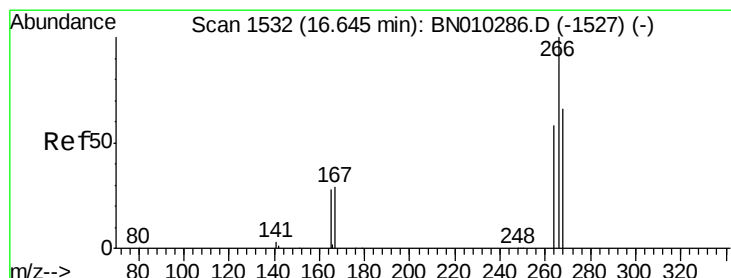
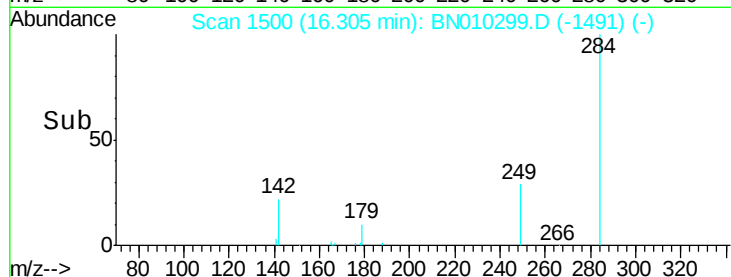
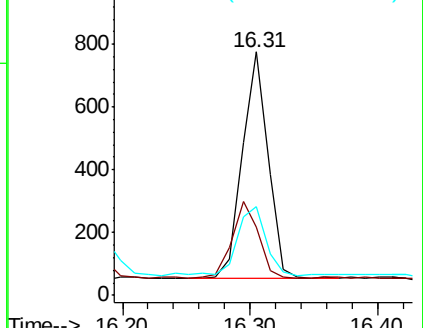
249 34.3 26.5 39.7



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: 0.163 ng

RT: 16.65 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

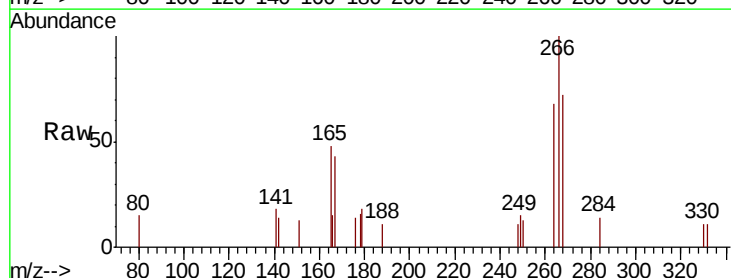
Tgt Ion:266 Resp: 679

Ion Ratio Lower Upper

266 100

264 67.5 47.7 71.5

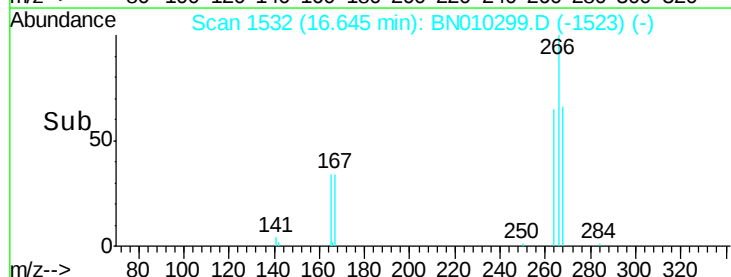
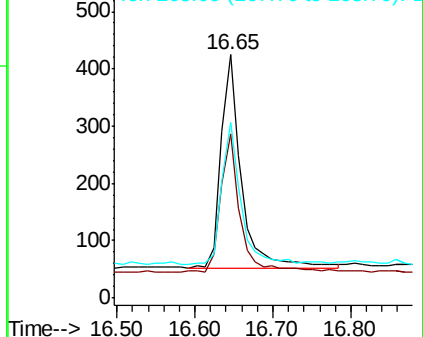
268 72.0 54.9 82.3

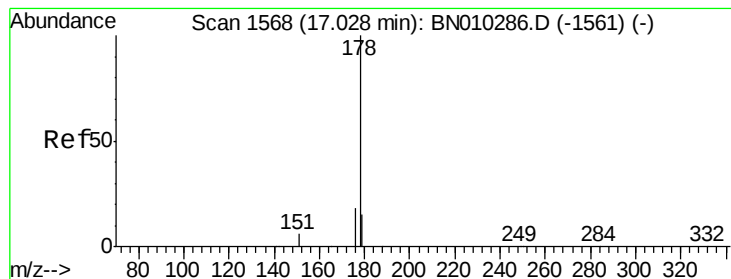


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.082 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

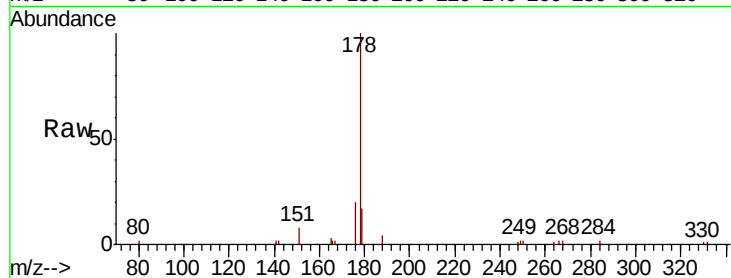
Tot Ion:178 Resp: 4387

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

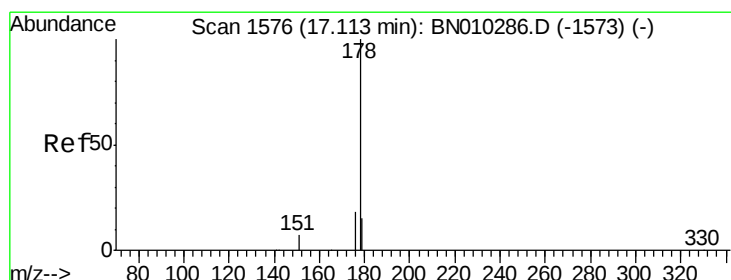
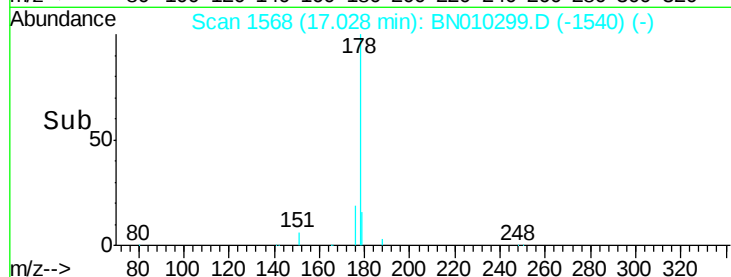
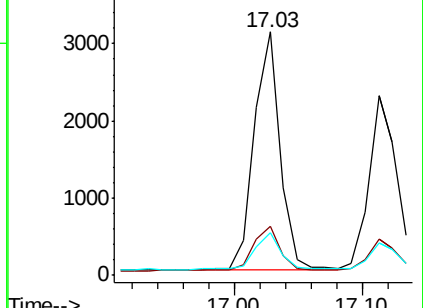
179 15.6 12.4 18.6



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: 0.077 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

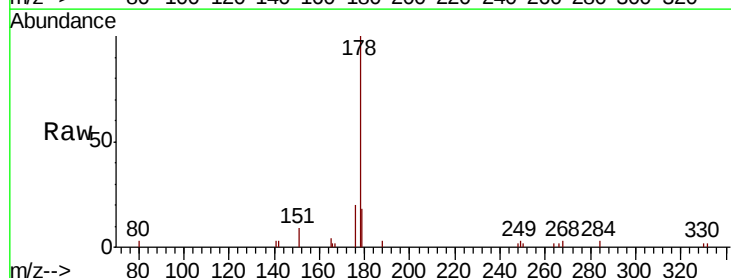
Tgt Ion:178 Resp: 3548

Ion Ratio Lower Upper

178 100

176 18.7 14.5 21.7

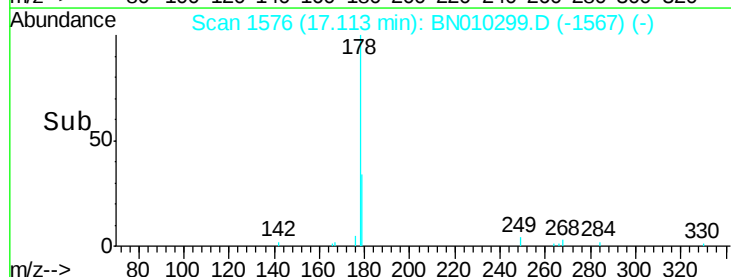
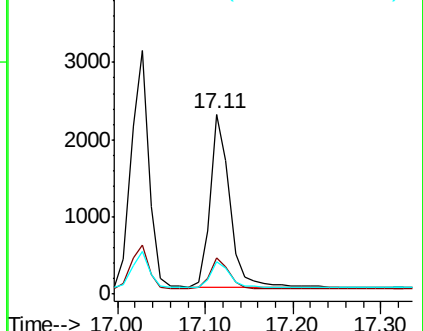
179 15.6 12.3 18.5

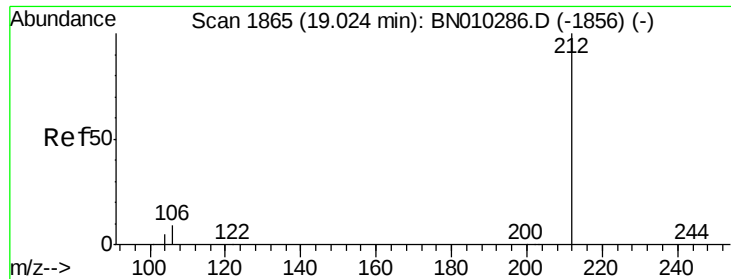


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

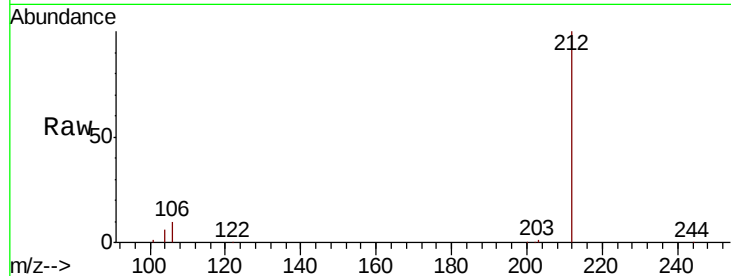
Tot Ion:212 Resp: 19823

Ion Ratio Lower Upper

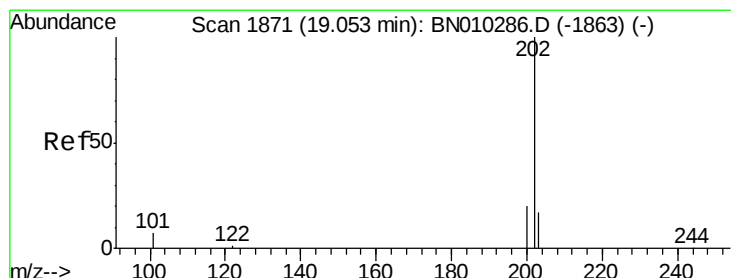
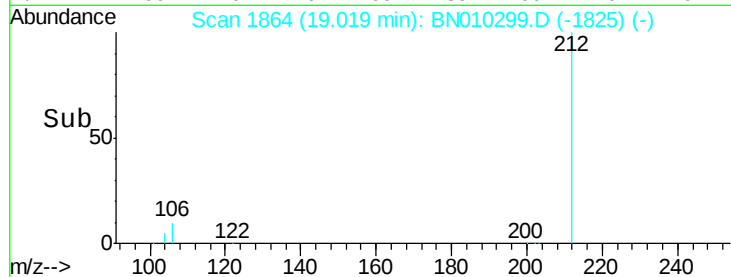
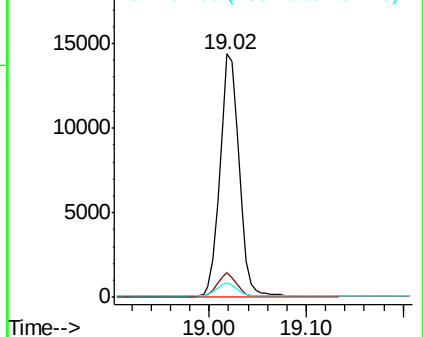
212 100

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# 1871

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

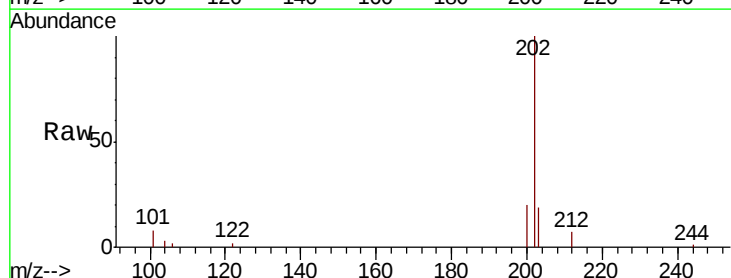
Tgt Ion:202 Resp: 5354

Ion Ratio Lower Upper

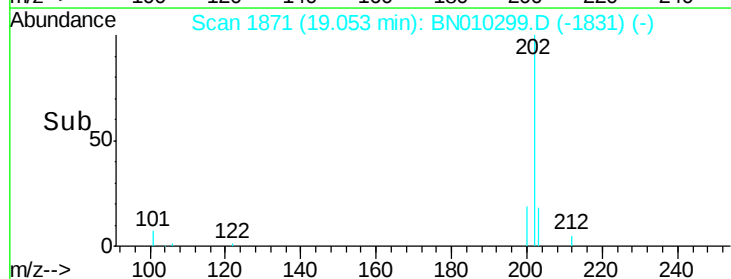
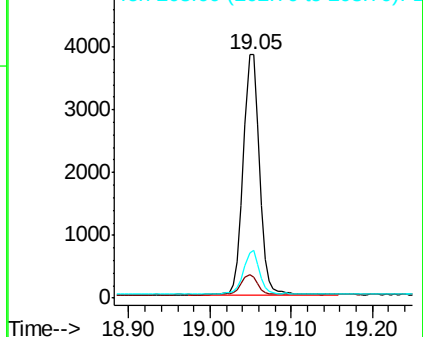
202 100

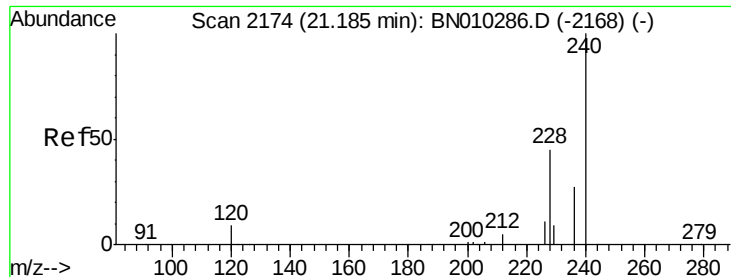
101 8.6 6.6 9.8

203 17.4 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

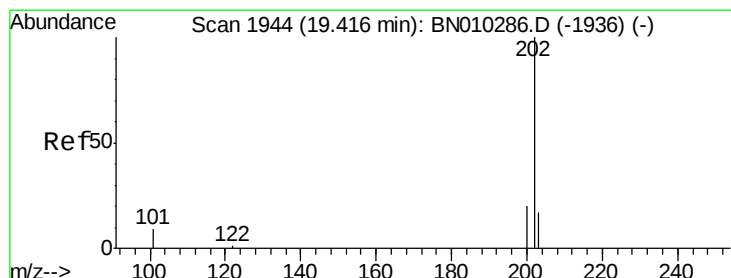
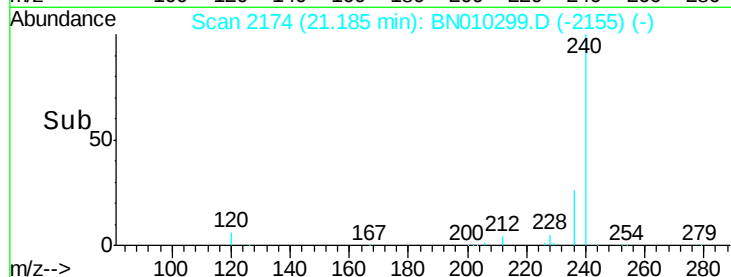
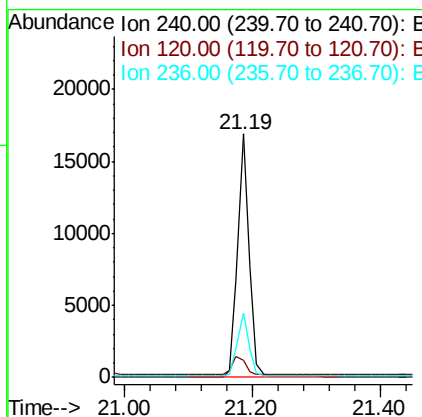
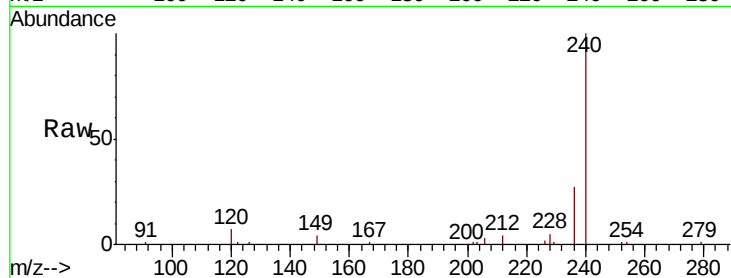




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BN010299.D
Acq: 19 Mar 2020 21:39

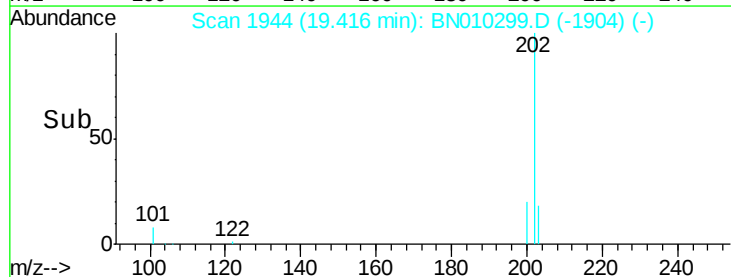
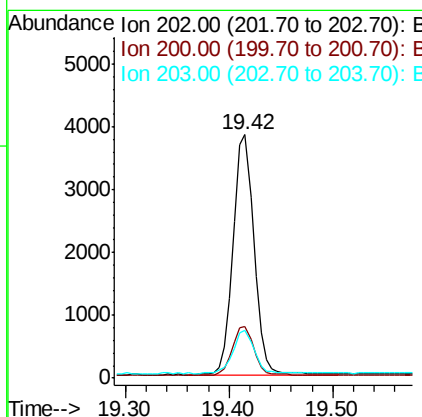
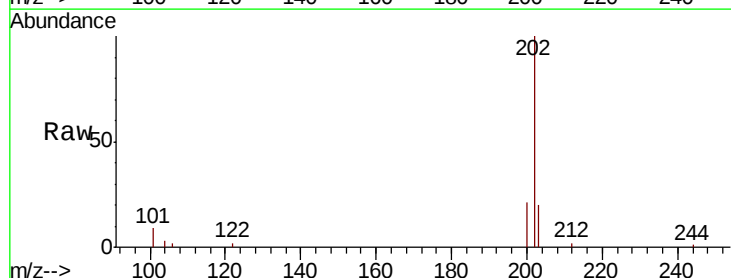
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2020

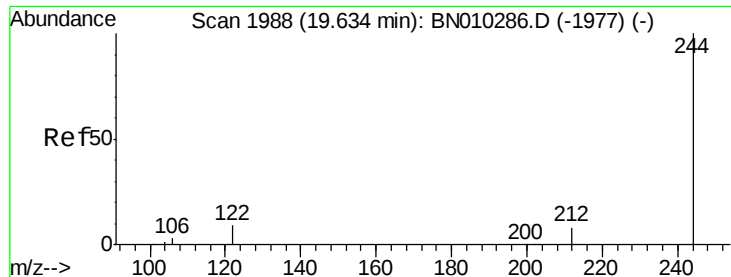
Tot Ion:240 Resp: 21057
Ion Ratio Lower Upper
240 100
120 7.2 7.9 11.9#
236 26.6 22.2 33.4



#28
Pyrene
Concen: 0.079 ng
RT: 19.42 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BN010299.D
Acq: 19 Mar 2020 21:39

Tgt Ion:202 Resp: 5199
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 18.1 14.2 21.2





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

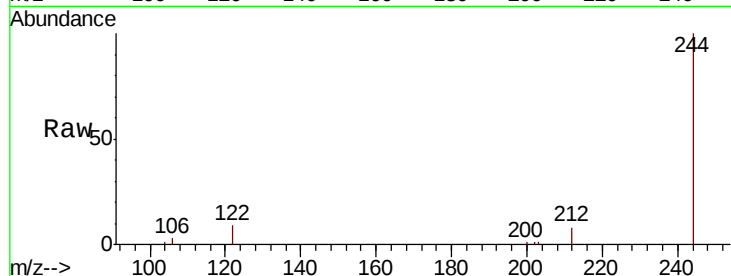
Tot Ion:244 Resp: 17335

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

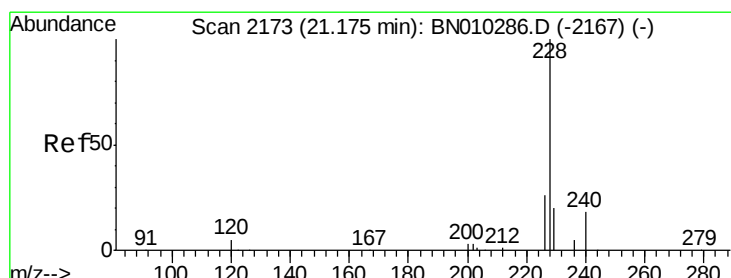
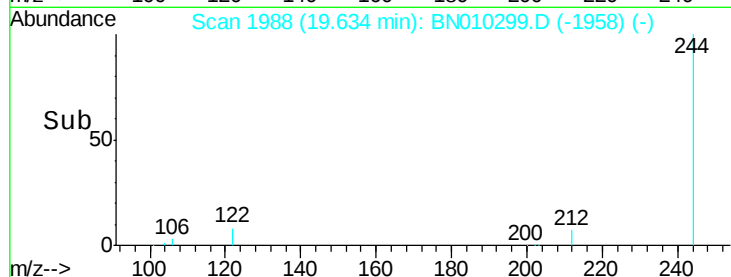
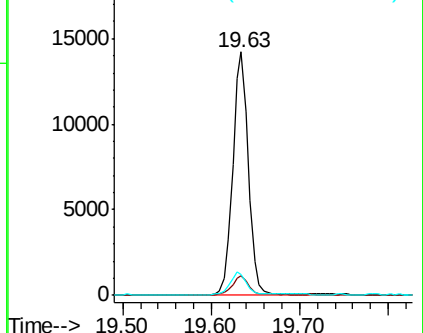
122 8.8 7.6 11.4



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: BN010299.D

Acq: 19 Mar 2020 21:39

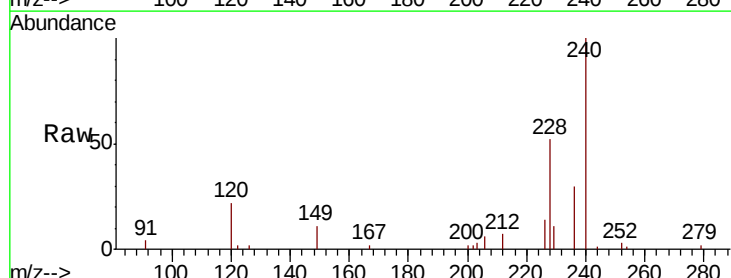
Tgt Ion:228 Resp: 5337

Ion Ratio Lower Upper

228 100

226 26.2 21.0 31.4

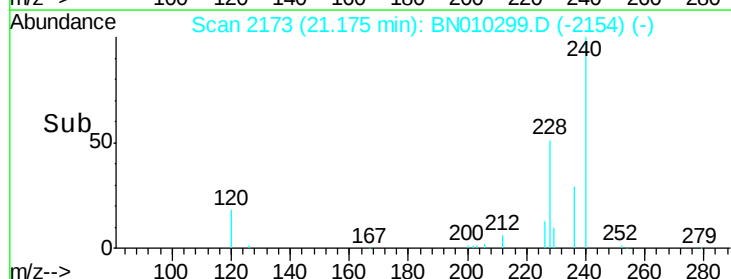
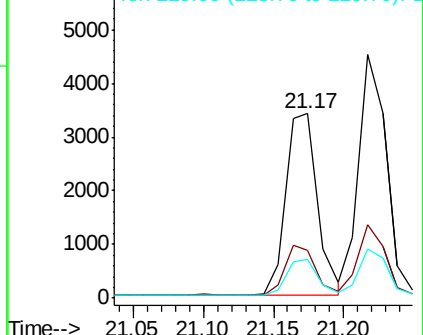
229 21.0 16.0 24.0

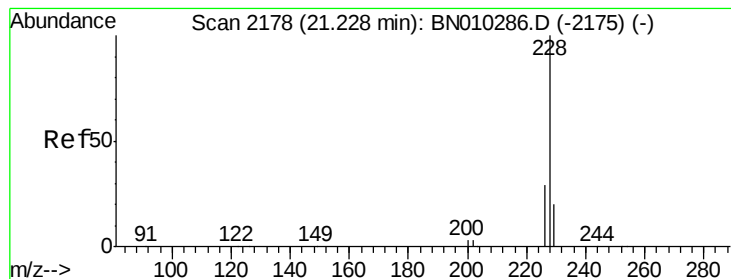


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.085 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument:

BNA_N

ClientSampleId:

LOQ-SOIL-02-QT1-2020

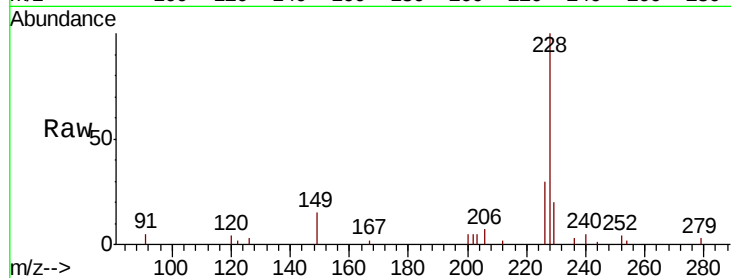
Tot Ion:228 Resp: 6131

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.6

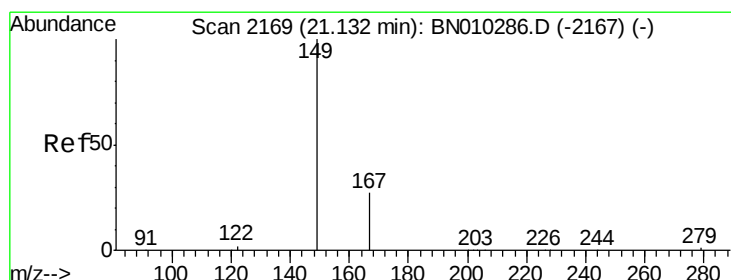
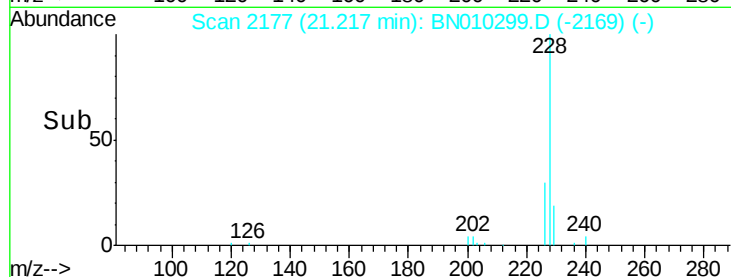
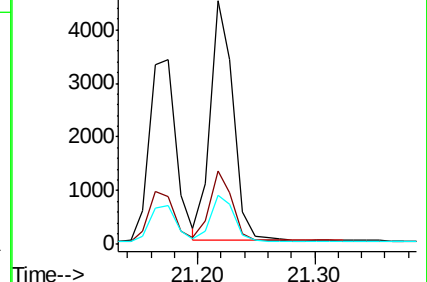
229 20.0 16.0 24.0



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: 0.078 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

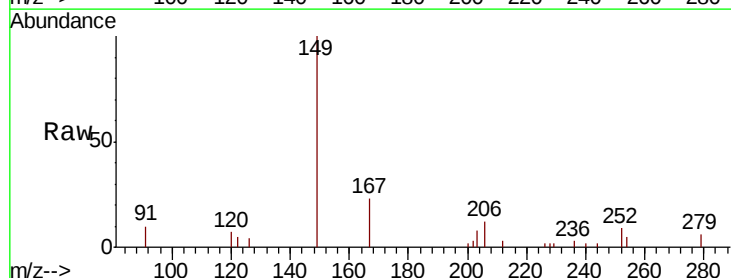
Tgt Ion:149 Resp: 1769

Ion Ratio Lower Upper

149 100

167 26.1 23.0 34.6

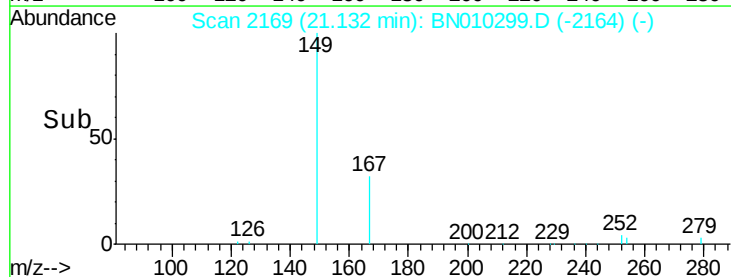
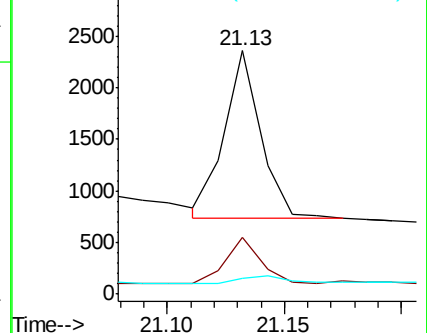
279 6.6 3.8 5.8#

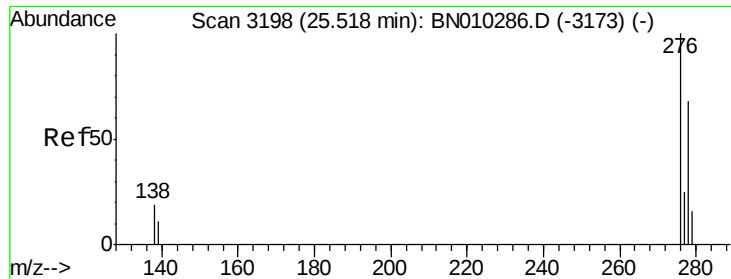


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.089 ng

RT: 25.51 min Scan# 3195

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

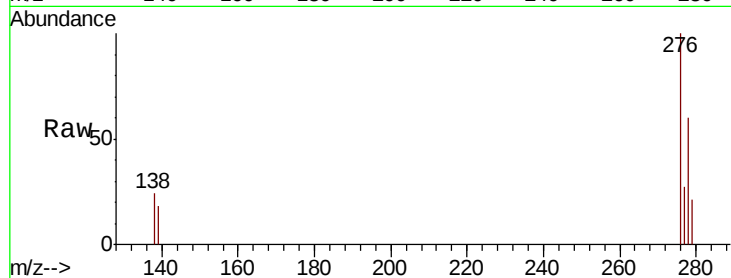
Tot Ion:276 Resp: 6880

Ion Ratio Lower Upper

276 100

138 21.5 15.6 23.4

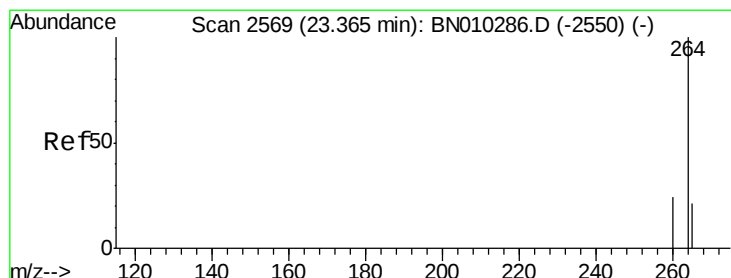
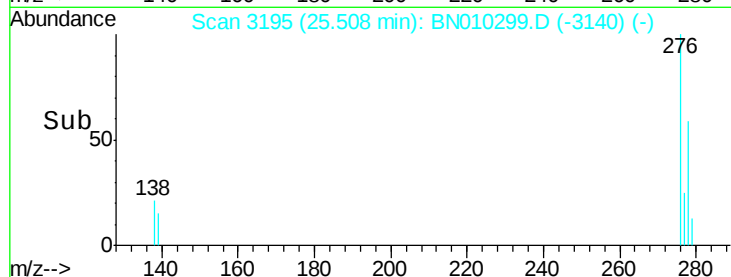
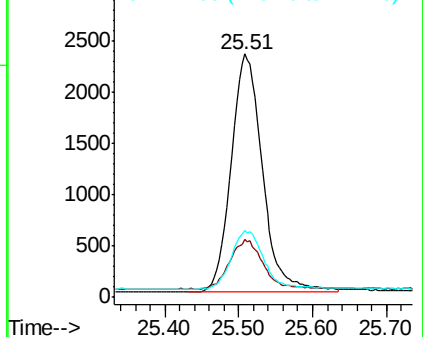
277 25.1 20.1 30.1



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# 2567

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

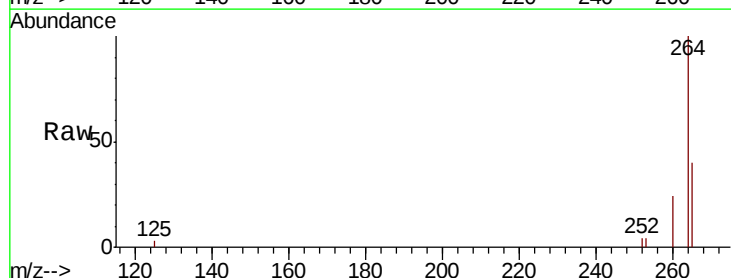
Tgt Ion:264 Resp: 22650

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

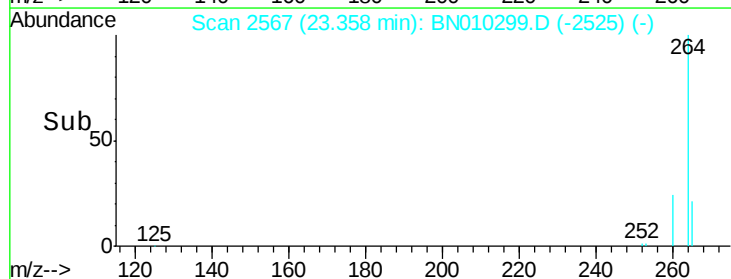
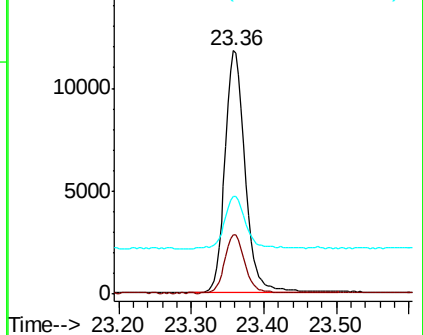
265 40.0 32.4 48.6

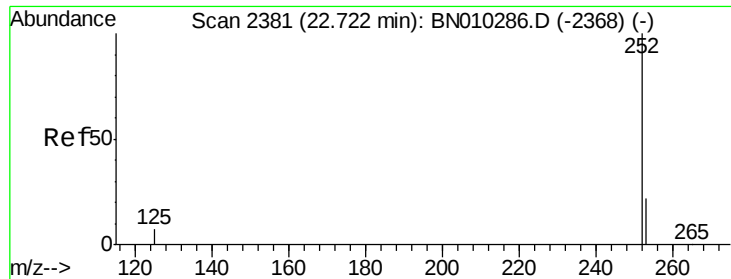


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.073 ng

RT: 22.71 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

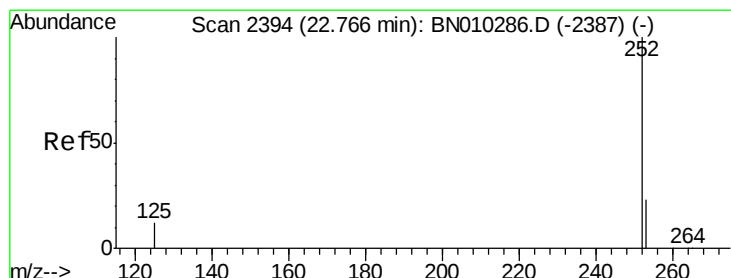
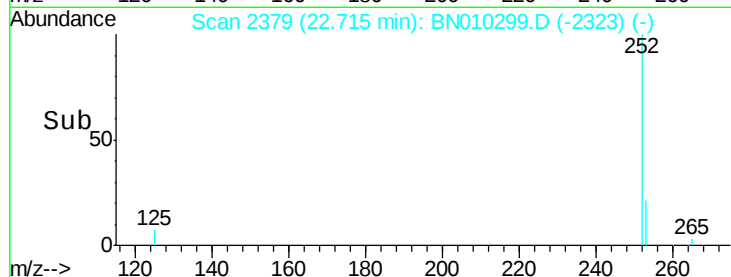
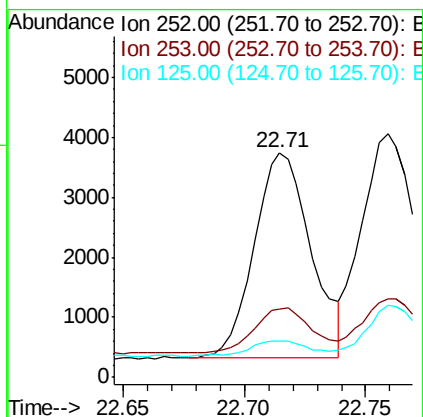
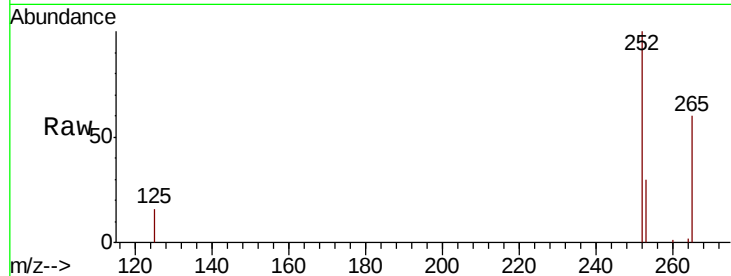
Tot Ion:252 Resp: 5621

Ion Ratio Lower Upper

252 100

253 30.4 19.2 28.8#

125 16.2 7.4 11.0#



#36

Benzo(k)fluoranthene

Concen: 0.077 ng

RT: 22.76 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

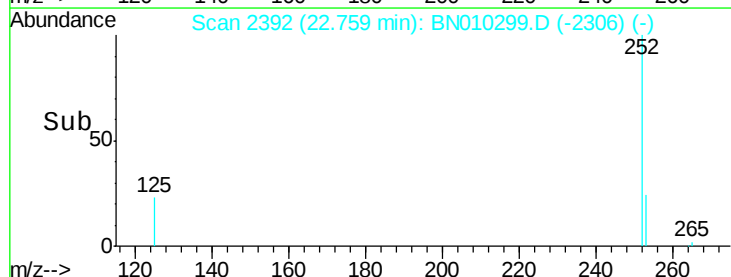
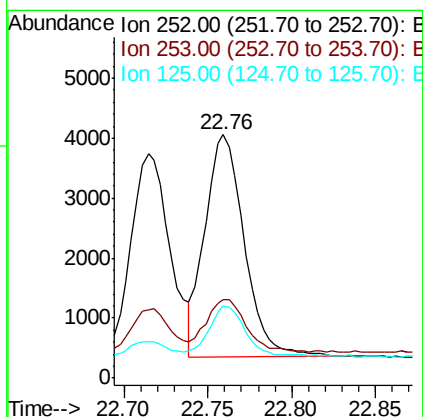
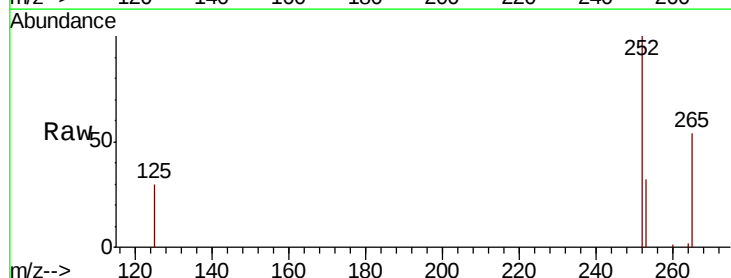
Tgt Ion:252 Resp: 6030

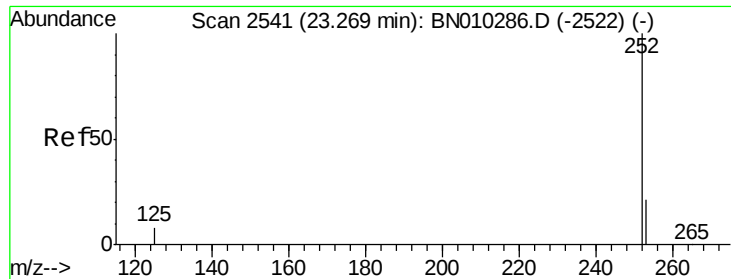
Ion Ratio Lower Upper

252 100

253 32.5 19.4 29.0#

125 29.7 10.2 15.2#





#37

Benzo(a)pyrene

Concen: 0.064 ng

RT: 23.27 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

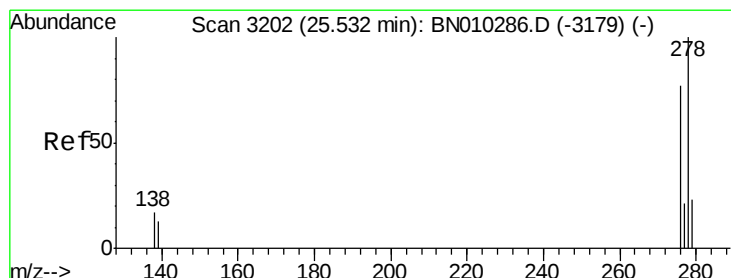
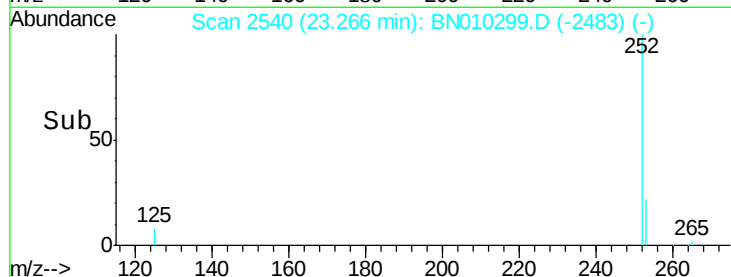
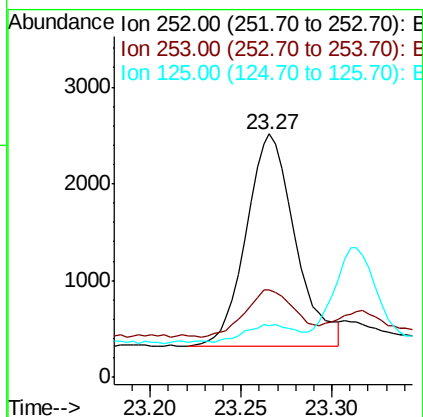
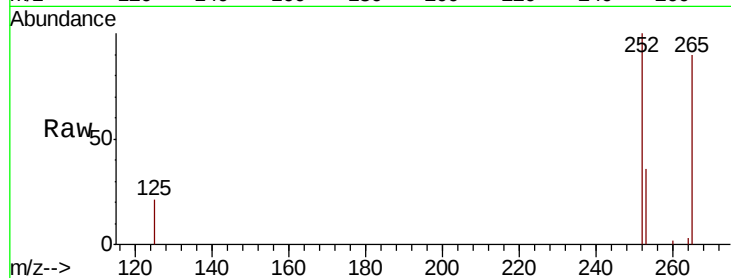
Tot Ion:252 Resp: 4123

Ion Ratio Lower Upper

252 100

253 36.1 19.9 29.9#

125 21.3 8.9 13.3#



#38

Dibenzo(a,h)anthracene

Concen: 0.081 ng

RT: 25.52 min Scan# 3199

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

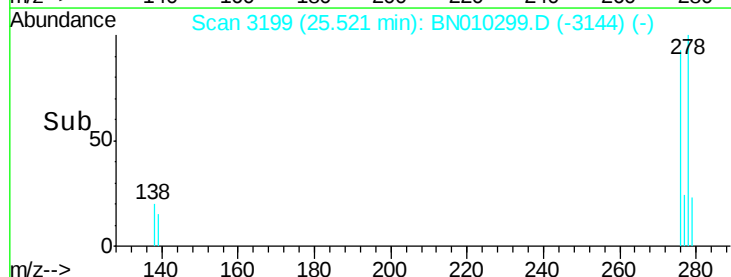
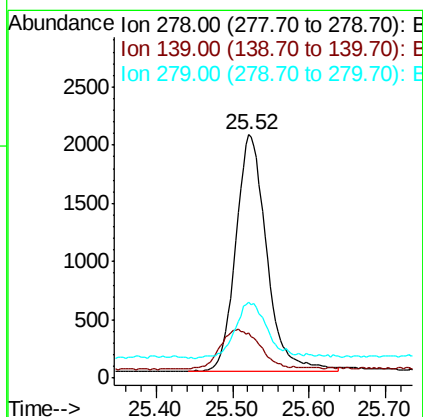
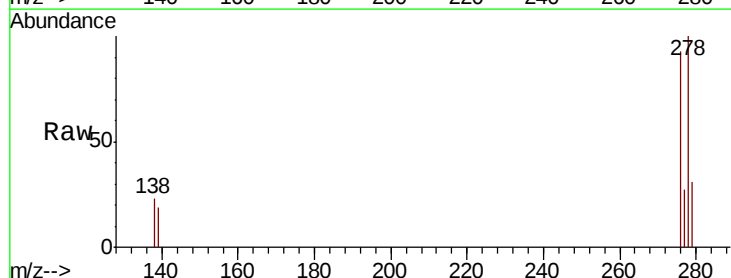
Tgt Ion:278 Resp: 5682

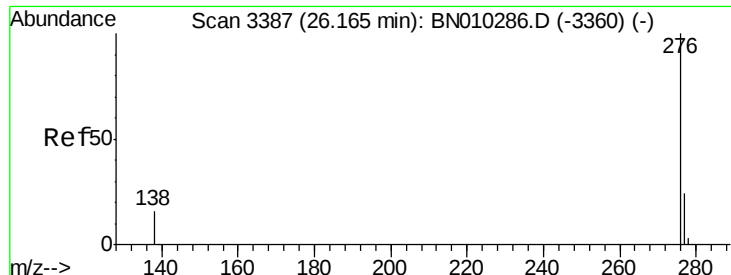
Ion Ratio Lower Upper

278 100

139 18.6 10.6 16.0#

279 31.4 19.8 29.6#





#39

Benzo(a,h,i)perylene

Concen: 0.078 ng

RT: 26.16 min Scan# 3385

Delta R.T. -0.01 min

Lab File: BN010299.D

Acq: 19 Mar 2020 21:39

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT1-2020

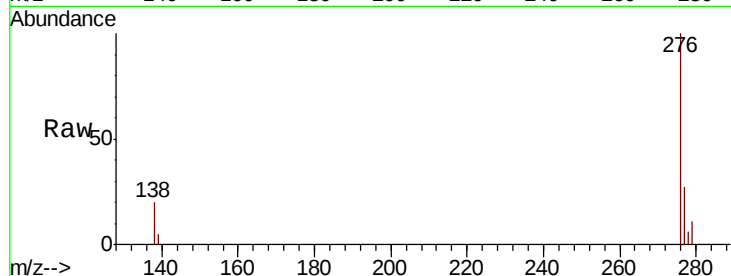
Tot Ion: 276 Resp: 5535

Ion Ratio Lower Upper

276 100

277 27.2 19.6 29.4

138 19.7 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

