

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121019\
 Data File : BN008903.D
 Acq On : 10 Dec 2019 13:14
 Operator : JU
 Sample : K5111-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Quant Time: Dec 10 15:03:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2772	0.40	ng	0.00
7) Naphthalene-d8	10.32	136	11095	0.40	ng	0.00
13) Acenaphthene-d10	14.18	164	8202	0.40	ng	0.00
19) Phenanthrene-d10	16.93	188	19667	0.40	ng	0.00
27) Chrysene-d12	21.13	240	18931	0.40	ng	0.00
34) Perylene-d12	23.28	264	18313	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	2678	0.38	ng	0.00
5) Phenol-d6	6.75	99	3627	0.37	ng	0.00
8) Nitrobenzene-d5	8.69	82	3342	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.91	152	7090	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.68	330	1293	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.81	172	11373	0.37	ng	0.00
25) Fluoranthene-d10	18.97	212	21068	0.35	ng	0.00
29) Terphenyl-d14	19.58	244	17331	0.40	ng	0.00

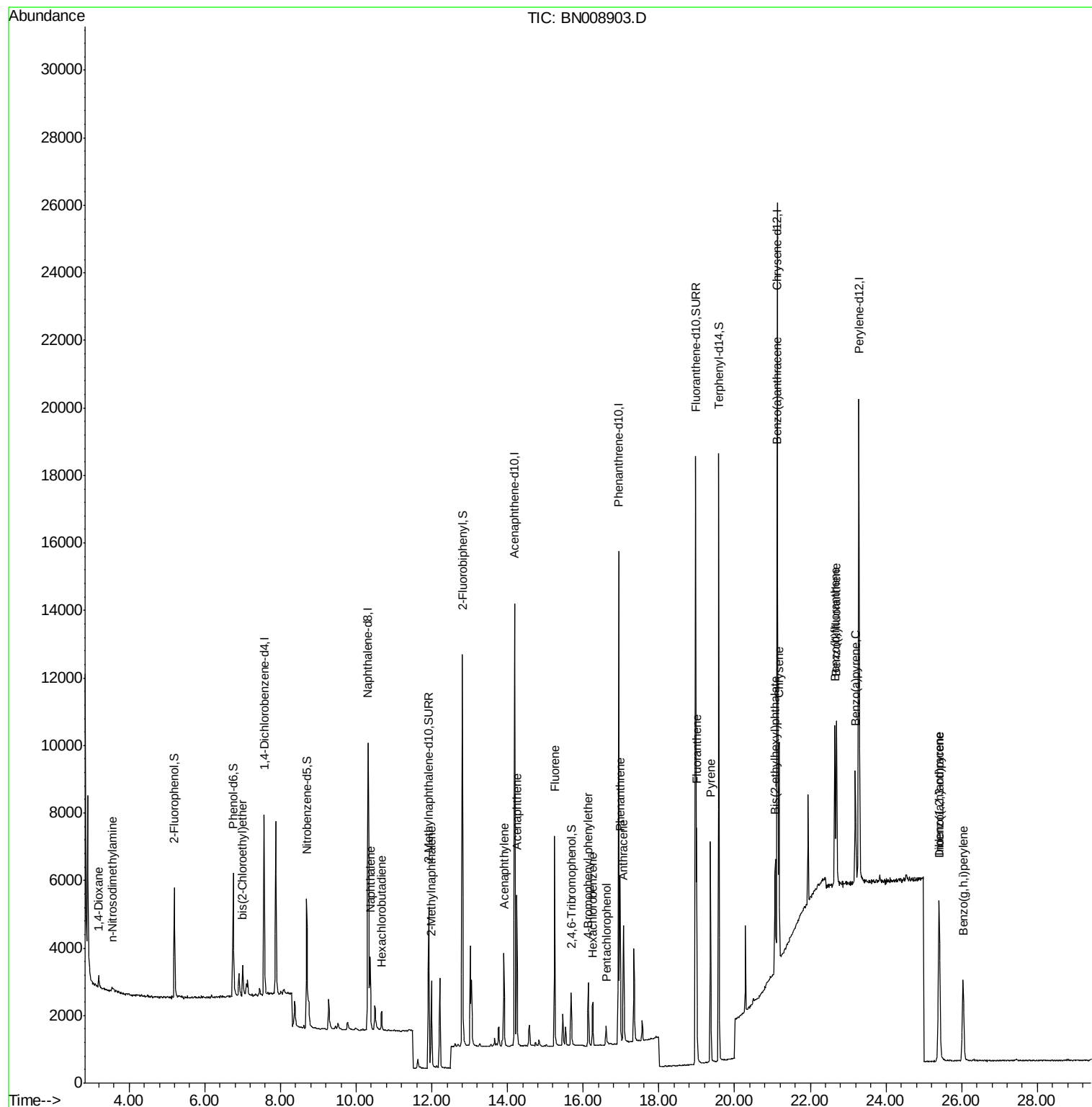
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	197	0.076	ng	# 85
3) n-Nitrosodimethylamine	3.55	42	192	0.053	ng	# 97
6) bis(2-Chloroethyl)ether	7.00	93	710	0.077	ng	92
9) Naphthalene	10.37	128	2704	0.089	ng	# 94
10) Hexachlorobutadiene	10.67	225	489	0.084	ng	# 99
12) 2-Methylnaphthalene	11.99	142	2044	0.091	ng	96
16) Acenaphthylene	13.90	152	3106	0.083	ng	99
17) Acenaphthene	14.25	154	2139	0.086	ng	98
18) Fluorene	15.24	166	2914	0.087	ng	99
20) 4-Bromophenyl-phenylether	16.14	248	982	0.083	ng	92
21) Hexachlorobenzene	16.25	284	1084	0.081	ng	99
22) Pentachlorophenol	16.60	266	400	0.083	ng	91
23) Phenanthrene	16.97	178	5133	0.083	ng	99
24) Anthracene	17.06	178	4402	0.081	ng	100
26) Fluoranthene	19.00	202	6083	0.083	ng	99
28) Pyrene	19.36	202	6036	0.091	ng	99
30) Benzo(a)anthracene	21.12	228	5742	0.086	ng	99
31) Chrysene	21.17	228	6185	0.089	ng	98
32) Bis(2-ethylhexyl)phthalate	21.08	149	2347	0.075	ng	98
33) Indeno(1,2,3-cd)pyrene	25.39	276	5630	0.076	ng	99
35) Benzo(b)fluoranthene	22.65	252	5808	0.089	ng	# 75
36) Benzo(k)fluoranthene	22.69	252	5920	0.090	ng	# 74
37) Benzo(a)pyrene	23.19	252	4752	0.081	ng	# 65
38) Dibenzo(a,h)anthracene	25.41	278	4533	0.082	ng	# 83
39) Benzo(g,h,i)perylene	26.03	276	4892	0.090	ng	# 91

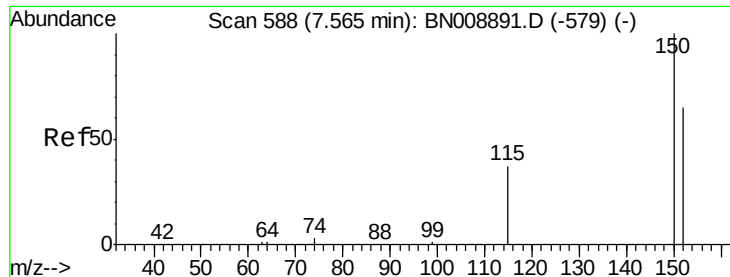
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121019\
Data File : BN008903.D
Acq On : 10 Dec 2019 13:14
Operator : JU
Sample : K5111-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Quant Time: Dec 10 15:03:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.56 min Scan# 588

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

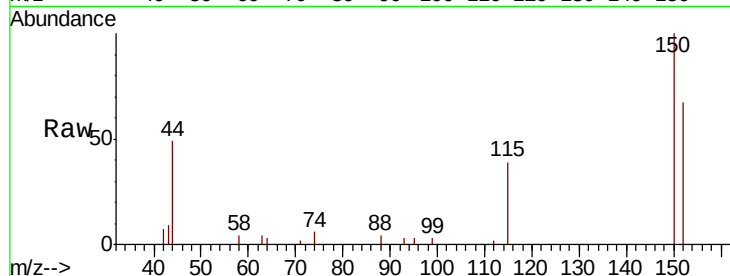
Tot Ion:152 Resp: 2772

Ion Ratio Lower Upper

152 100

150 150.1 122.3 183.5

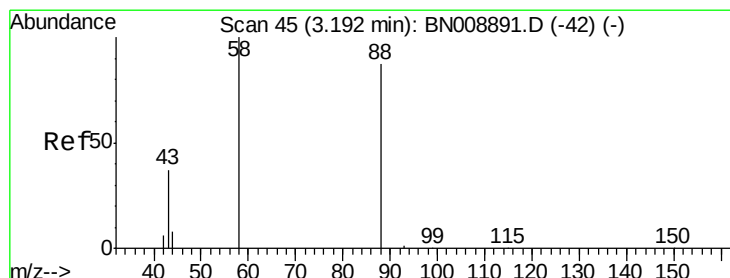
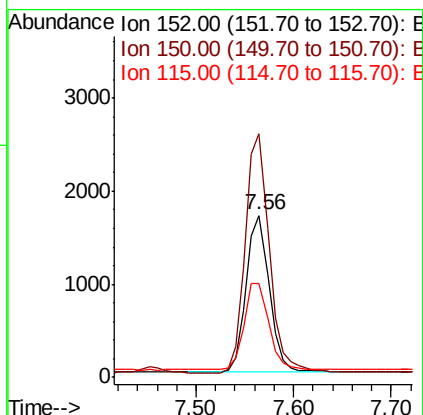
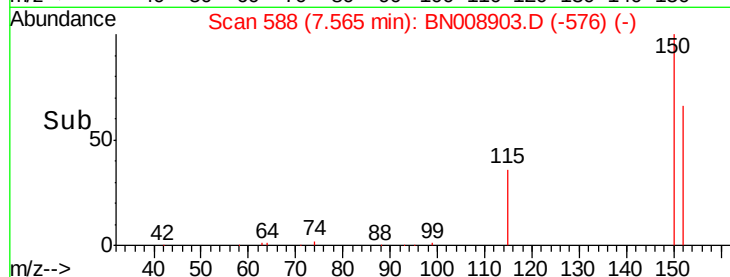
115 58.0 48.4 72.6



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: 0.076 ng

RT: 3.20 min Scan# 46

Delta R.T. 0.01 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

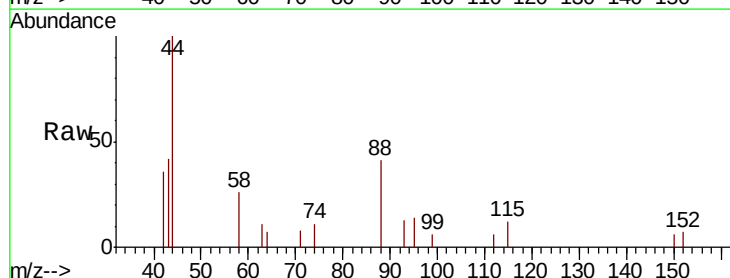
Tgt Ion: 88 Resp: 197

Ion Ratio Lower Upper

88 100

58 125.9 88.6 132.8

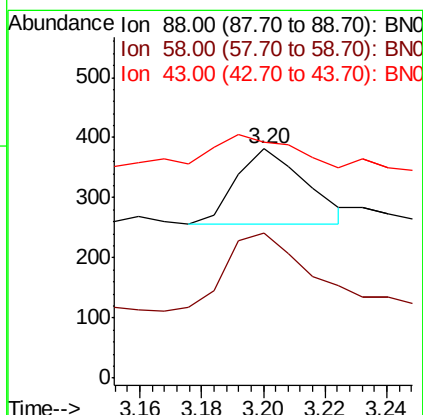
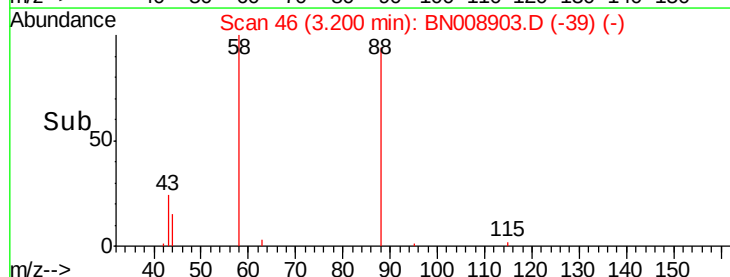
43 50.8 31.8 47.8#

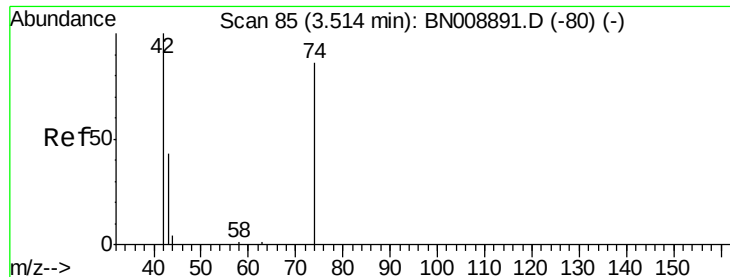


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



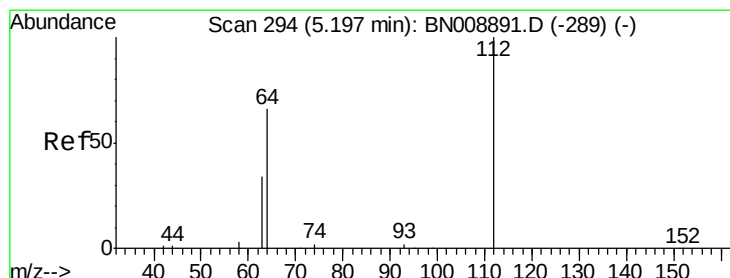
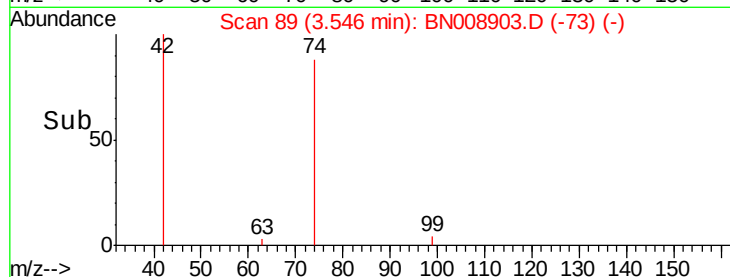
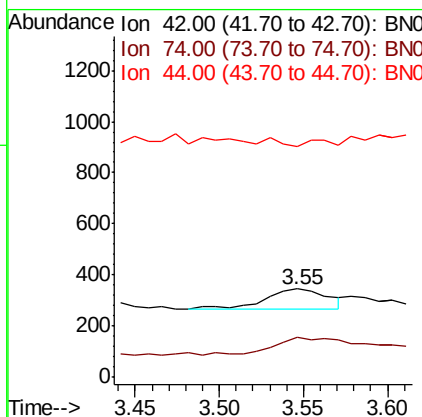
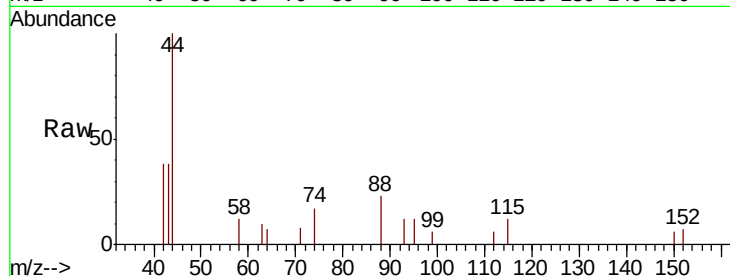


#3

n-Nitrosodimethylamine
 Concen: 0.053 ng
 RT: 3.55 min Scan# 89
 Delta R.T. 0.03 min
 Lab File: BN008903.D
 Acq: 10 Dec 2019 13:14

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

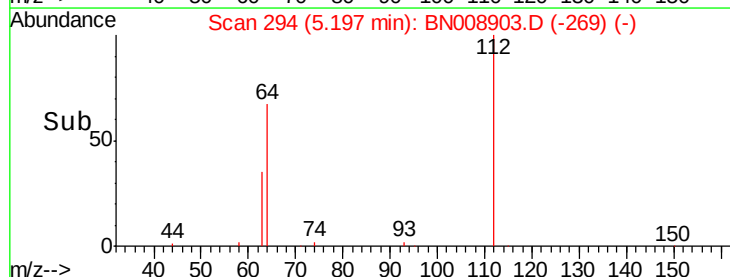
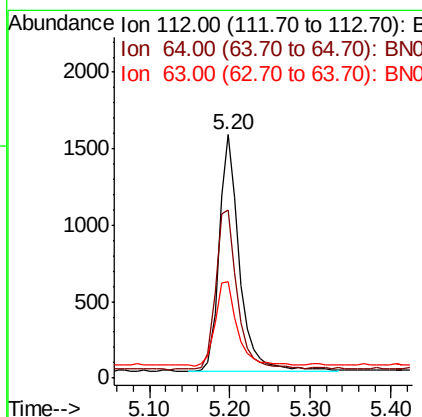
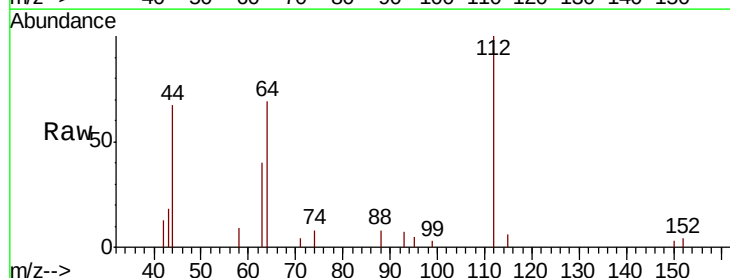
Tot Ion: 42 Resp: 192
 Ion Ratio Lower Upper
 42 100
 74 101.6 78.6 117.8
 44 15.1 0.0 0.0#

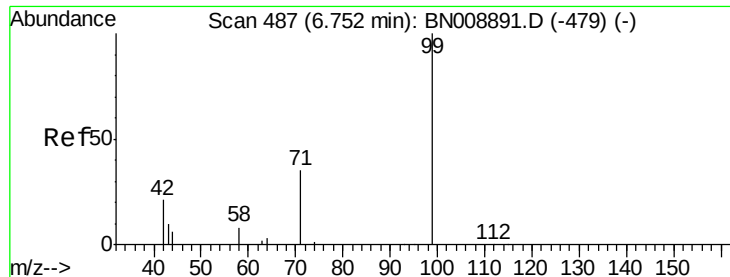


#4

2-Fluorophenol
 Concen: 0.380 ng
 RT: 5.20 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: BN008903.D
 Acq: 10 Dec 2019 13:14

Tgt Ion: 112 Resp: 2678
 Ion Ratio Lower Upper
 112 100
 64 73.6 57.7 86.5
 63 38.6 29.6 44.4





#5

Phenol-d6

Concen: 0.372 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

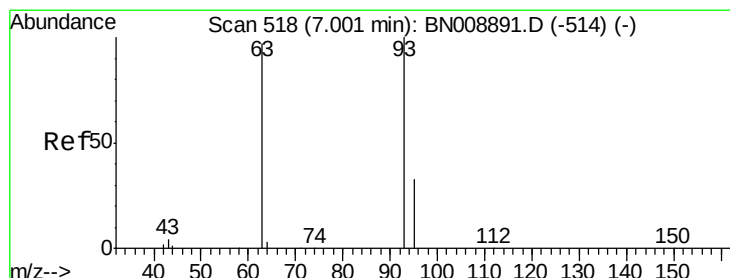
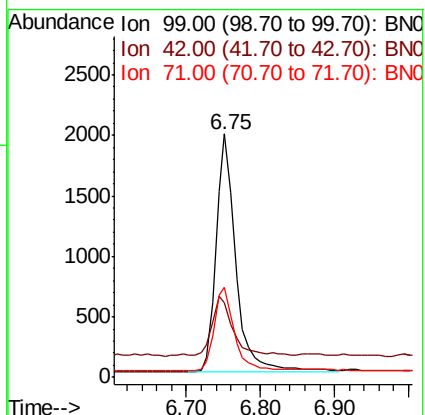
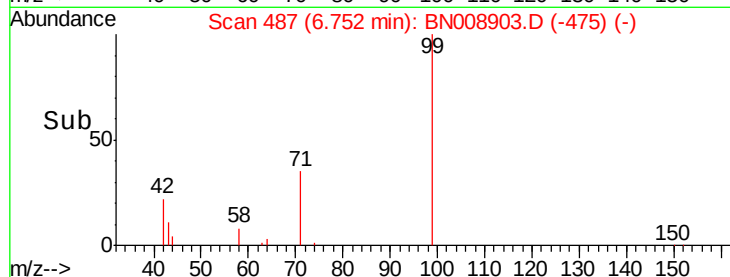
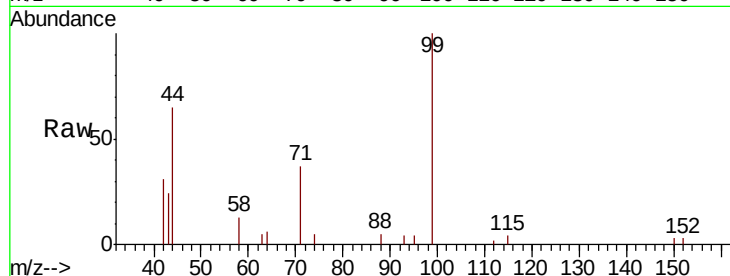
Tot Ion: 99 Resp: 3627

Ion Ratio Lower Upper

99 100

42 27.1 20.1 30.1

71 35.3 28.2 42.2



#6

bis(2-Chloroethyl)ether

Concen: 0.077 ng

RT: 7.00 min Scan# 518

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

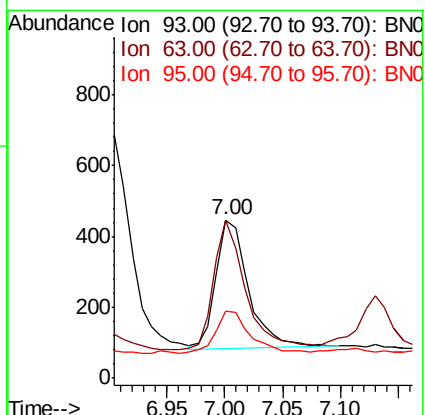
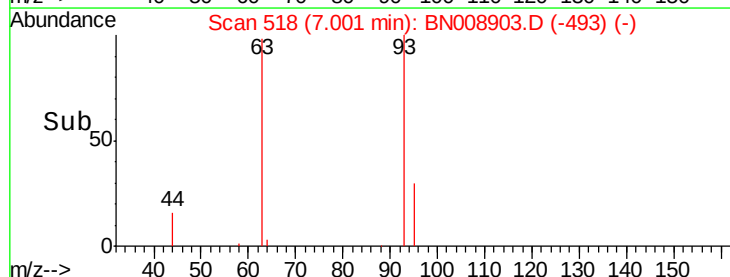
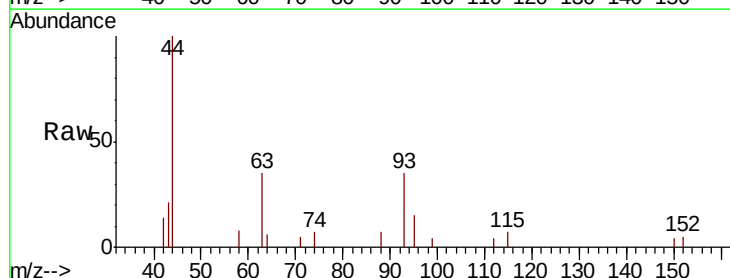
Tgt Ion: 93 Resp: 710

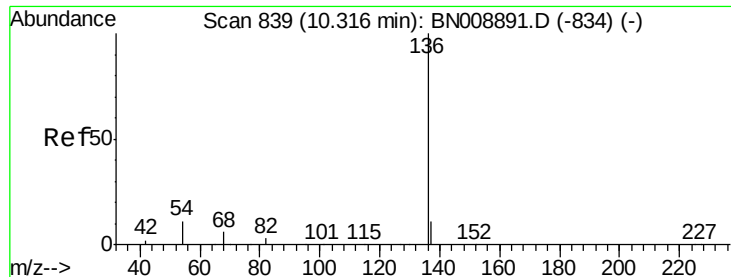
Ion Ratio Lower Upper

93 100

63 100.1 73.5 110.3

95 35.9 26.0 39.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

Tot Ion:136 Resp: 11095

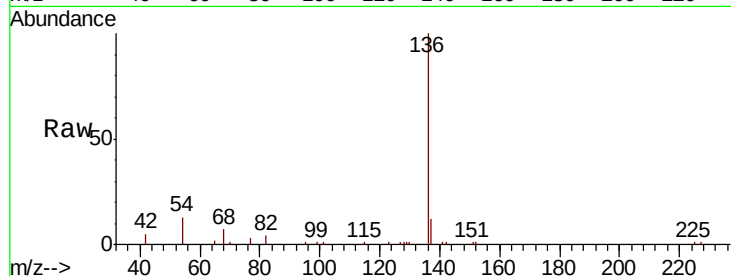
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 12.7 9.6 14.4

68 6.9 5.6 8.4

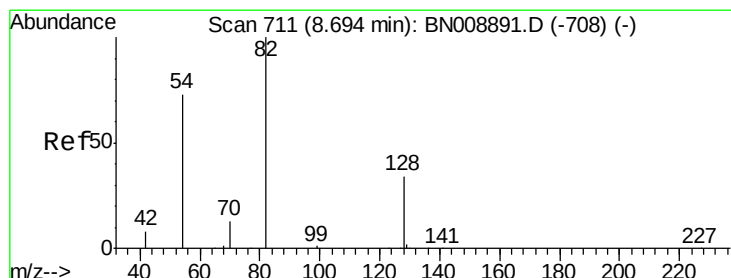
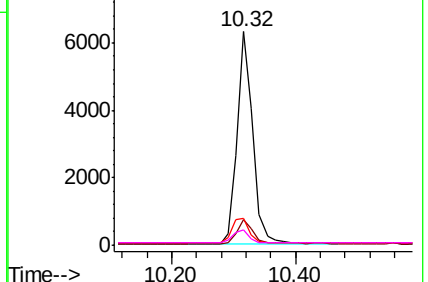
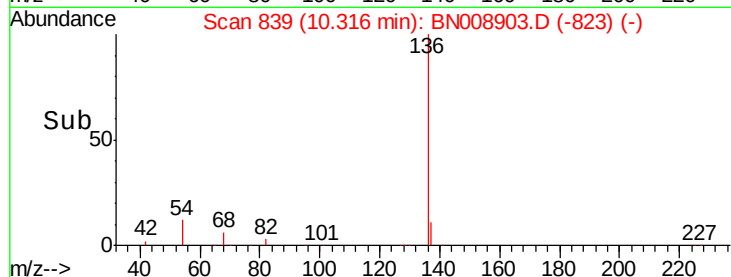


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.355 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

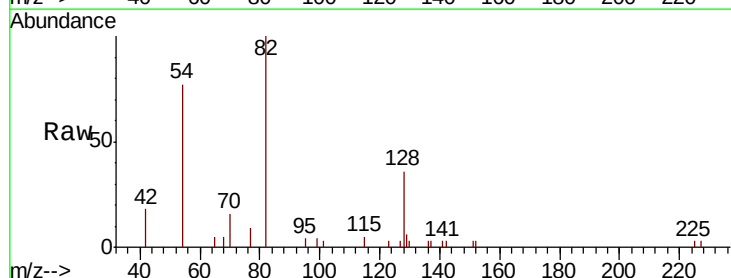
Tgt Ion: 82 Resp: 3342

Ion Ratio Lower Upper

82 100

128 35.8 29.1 43.7

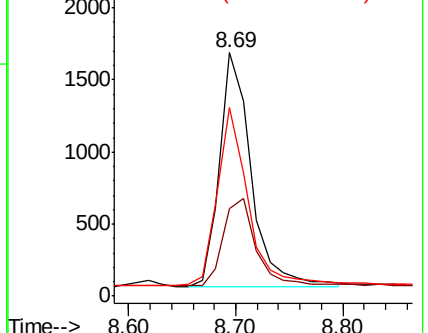
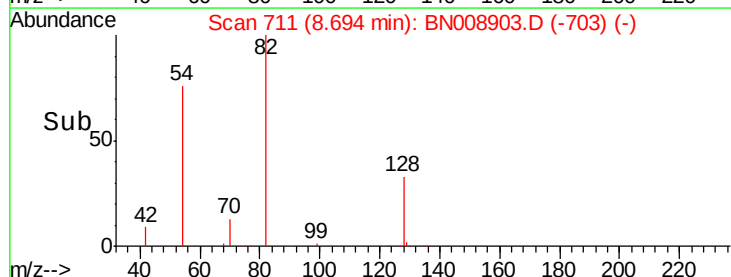
54 77.4 59.7 89.5

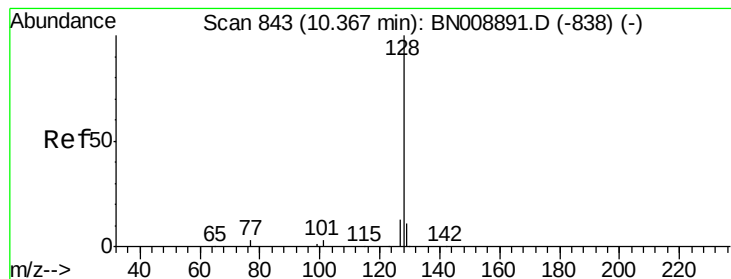


Abundance Ion 82.00 (81.70 to 82.70): BNC

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: 10.37 min Scan# 843

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

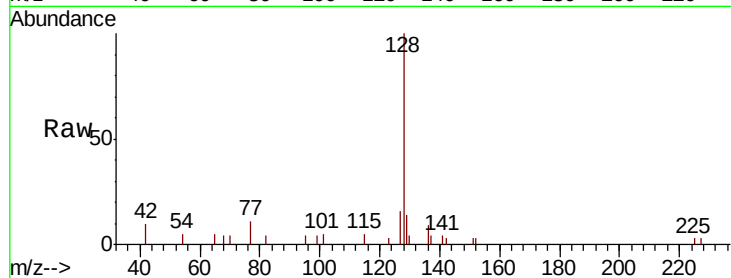
Tot Ion:128 Resp: 2704

Ion Ratio Lower Upper

128 100

129 14.1 9.4 14.0#

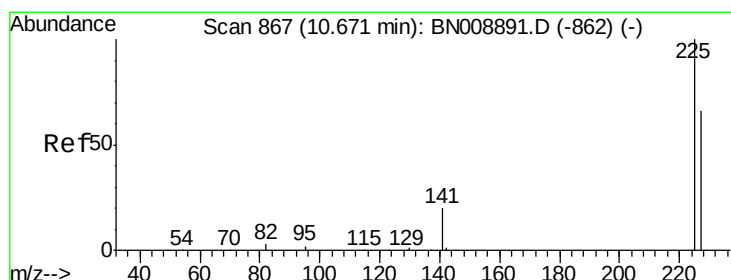
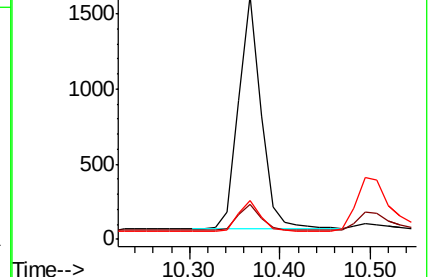
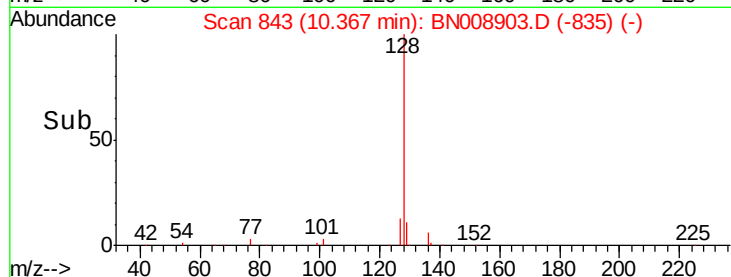
127 15.8 10.8 16.2



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: 0.084 ng

RT: 10.67 min Scan# 867

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

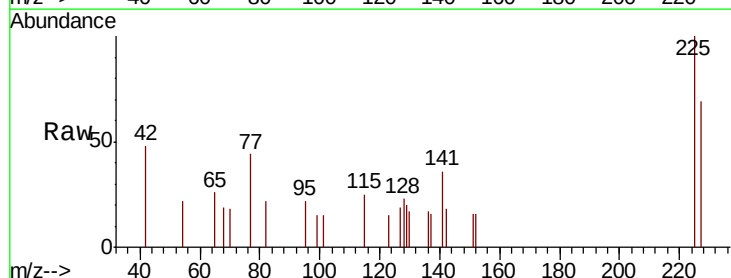
Tgt Ion:225 Resp: 489

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

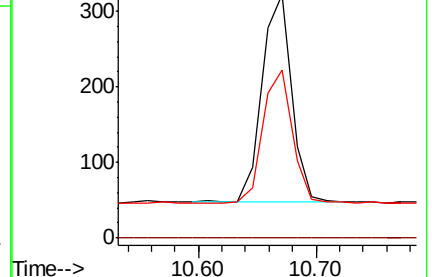
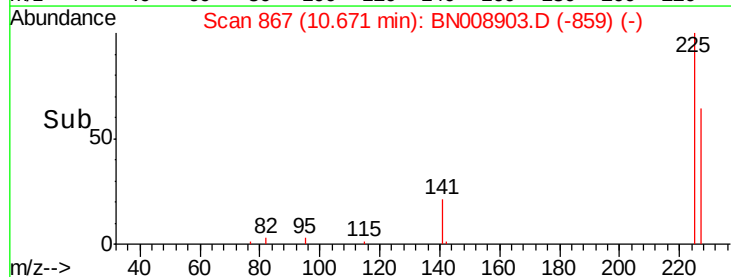
227 63.2 51.4 77.2

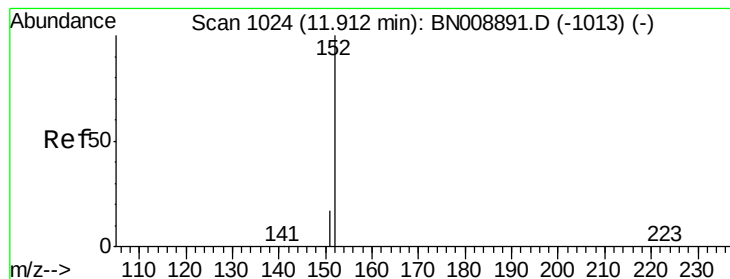


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 11.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

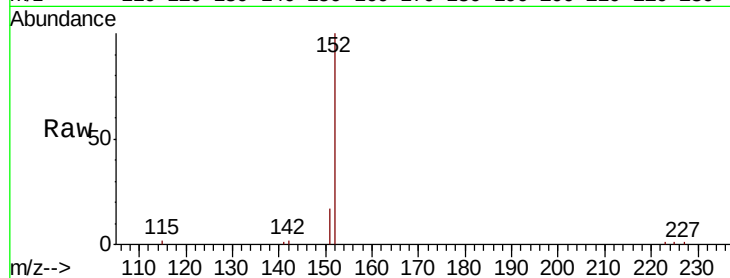
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:152 Resp: 7090

Ion Ratio Lower Upper

152 100

151 19.0 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.91

4000

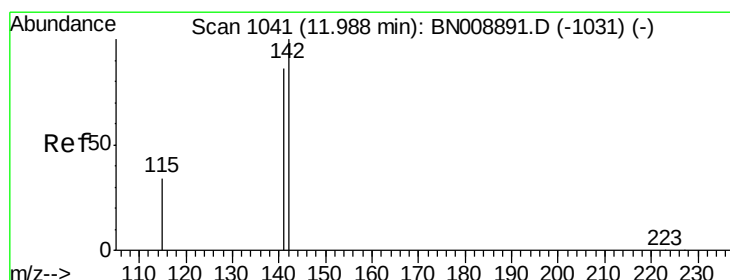
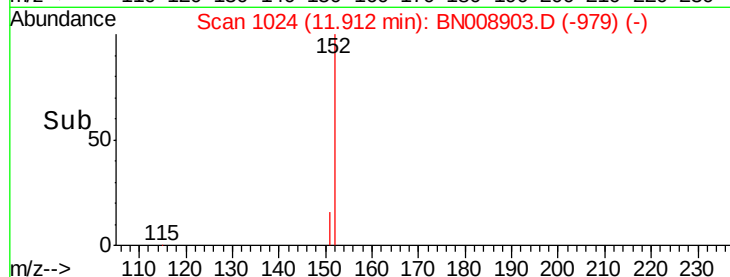
3000

2000

1000

0

Time--> 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.091 ng

RT: 11.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

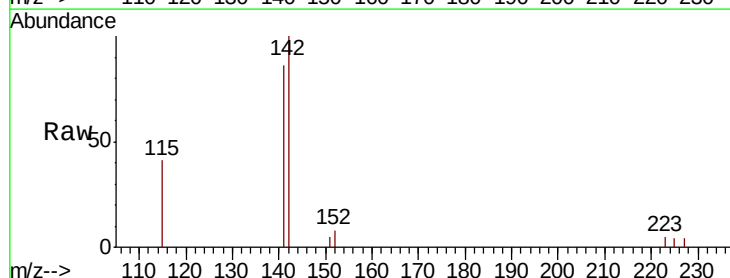
Tgt Ion:142 Resp: 2044

Ion Ratio Lower Upper

142 100

141 85.9 69.3 103.9

115 41.0 27.9 41.9



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

11.99

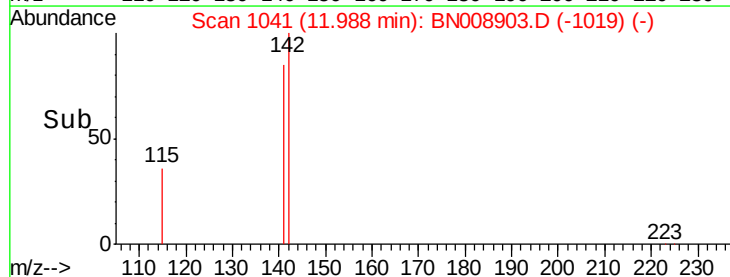
1500

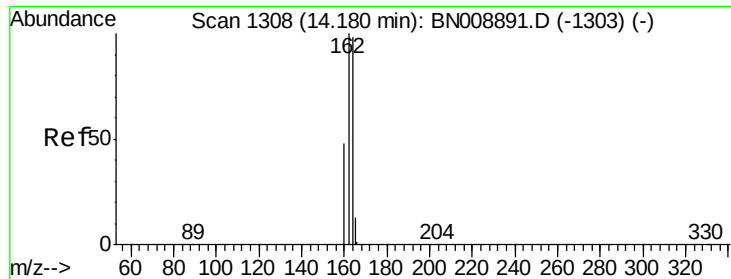
1000

500

0

Time--> 11.90 12.00 12.10





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

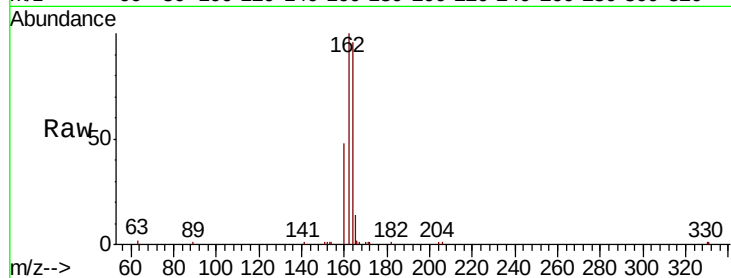
Tot Ion:164 Resp: 8202

Ion Ratio Lower Upper

164 100

162 104.1 81.9 122.9

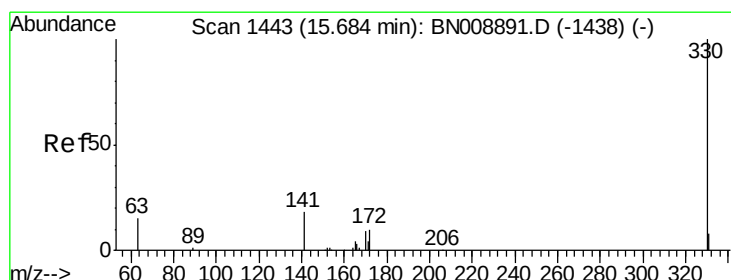
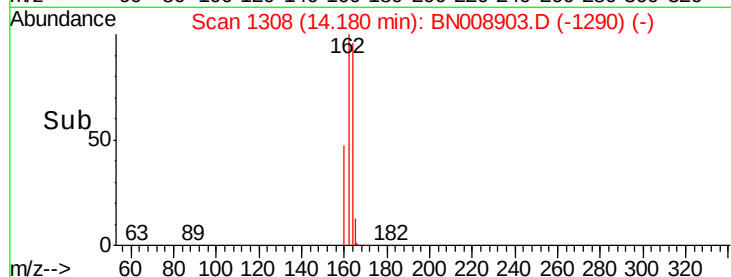
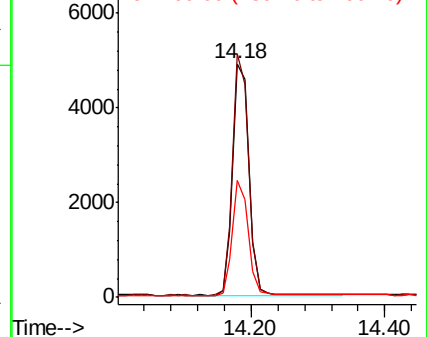
160 49.8 39.3 58.9



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: 0.328 ng

RT: 15.68 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

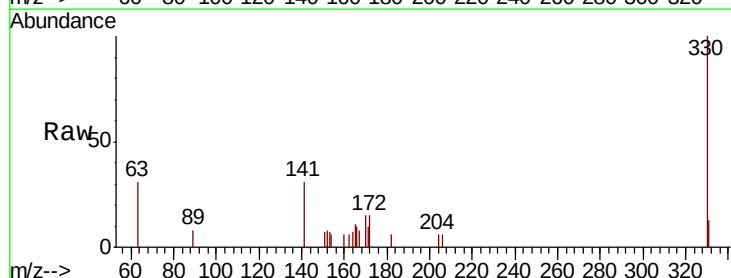
Tgt Ion:330 Resp: 1293

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

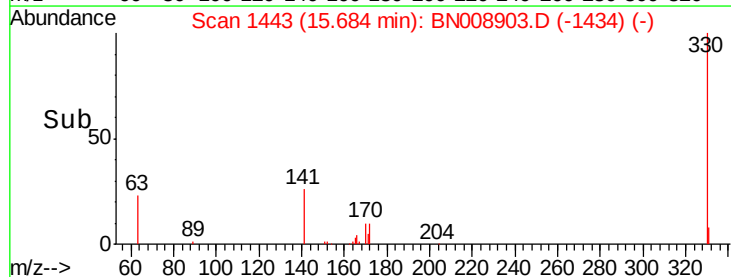
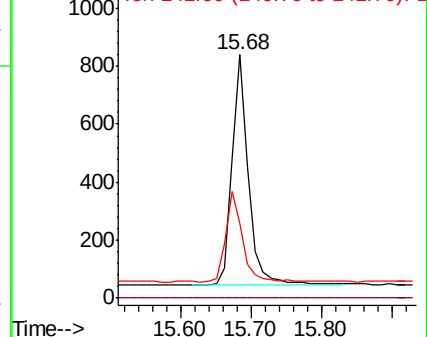
141 41.0 29.6 44.4

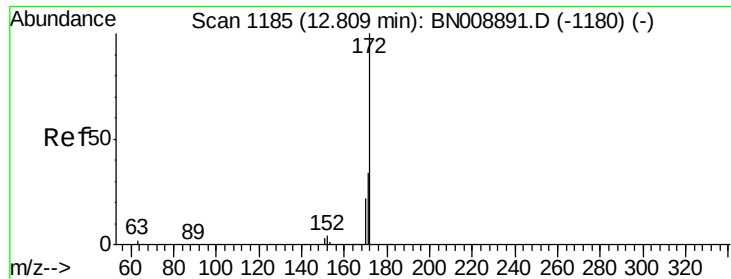


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

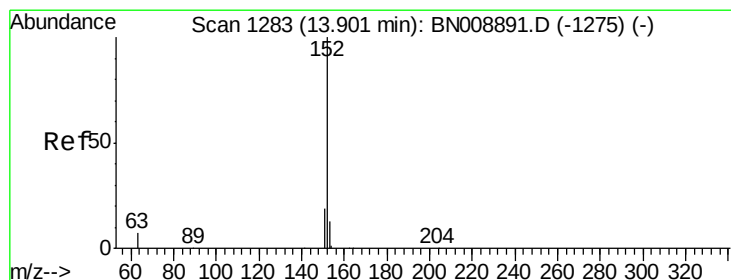
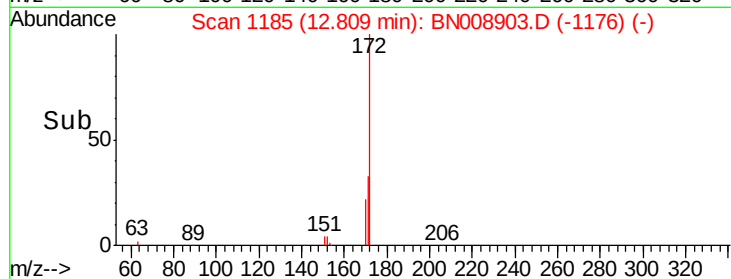
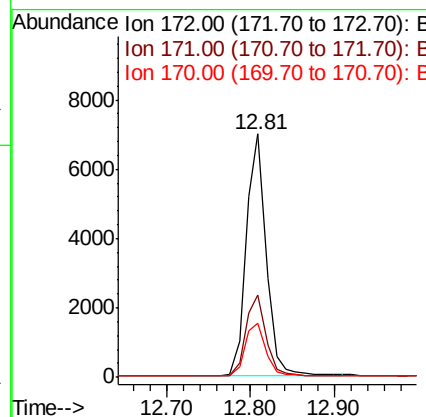
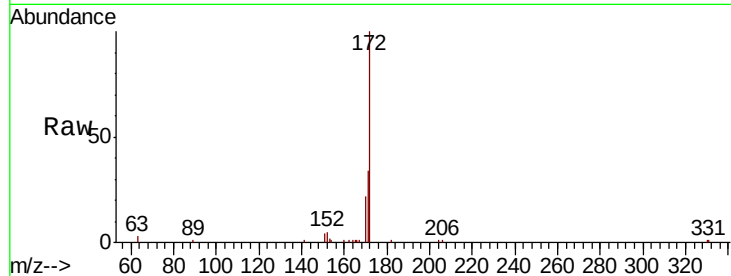




#15
2-Fluorobiphenyl
Concen: 0.365 ng
RT: 12.81 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

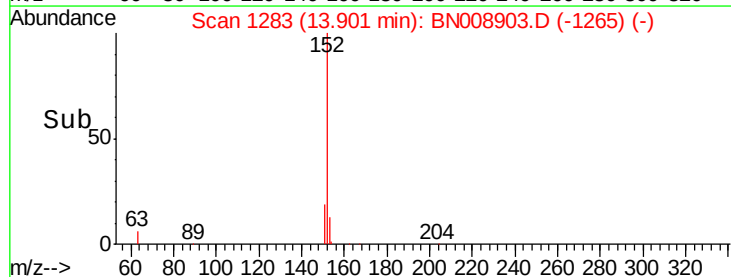
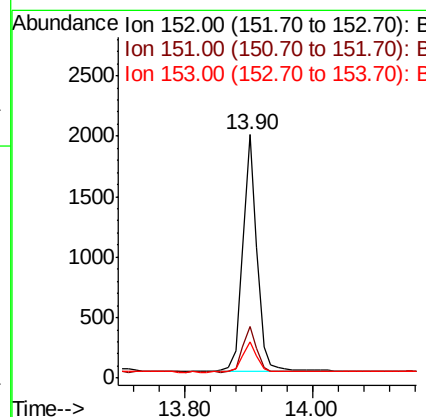
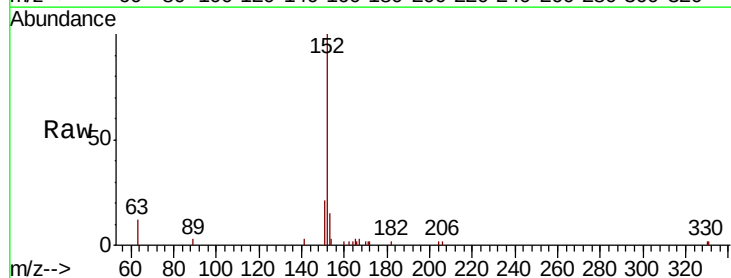
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

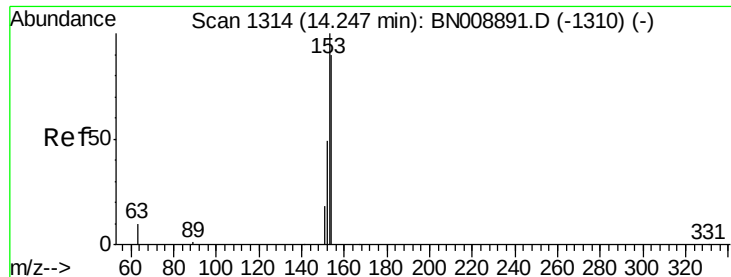
Tot Ion:172 Resp: 11373
Ion Ratio Lower Upper
172 100
171 33.8 27.1 40.7
170 22.1 17.7 26.5



#16
Acenaphthylene
Concen: 0.083 ng
RT: 13.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

Tgt Ion:152 Resp: 3106
Ion Ratio Lower Upper
152 100
151 19.3 15.3 22.9
153 12.6 10.3 15.5





#17

Acenaphthene

Concen: 0.086 ng

RT: 14.25 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

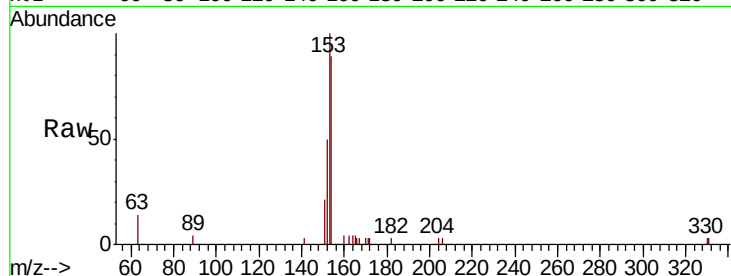
Tot Ion:154 Resp: 2139

Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

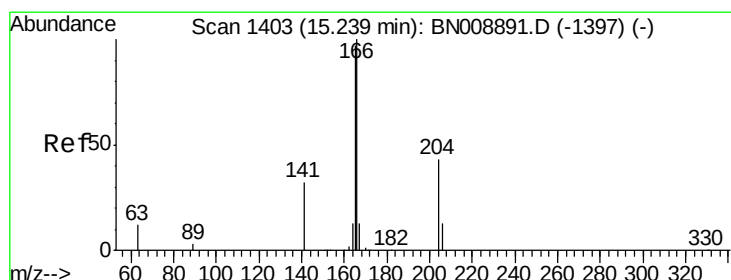
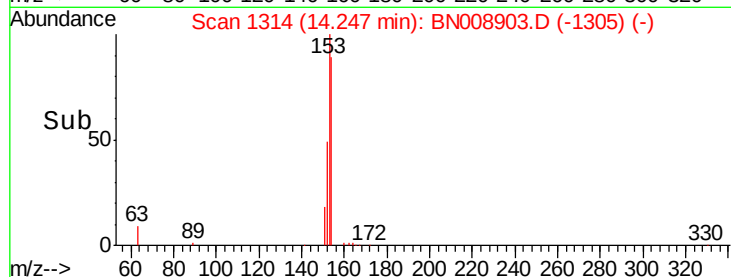
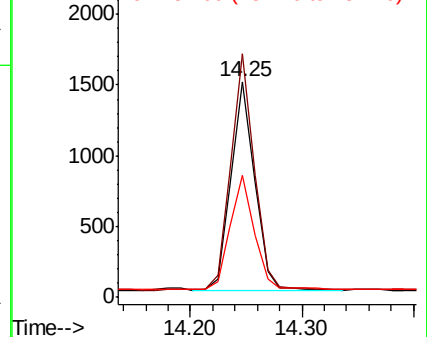
152 56.8 44.2 66.4



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: 0.087 ng

RT: 15.24 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

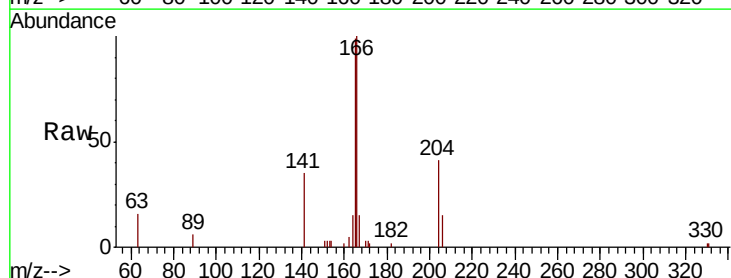
Tgt Ion:166 Resp: 2914

Ion Ratio Lower Upper

166 100

165 97.8 77.3 115.9

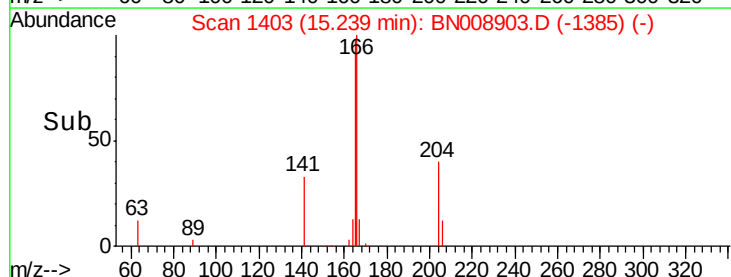
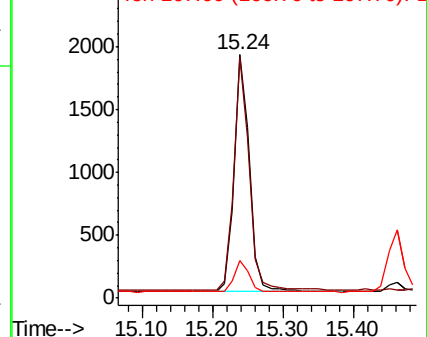
167 12.8 10.8 16.2

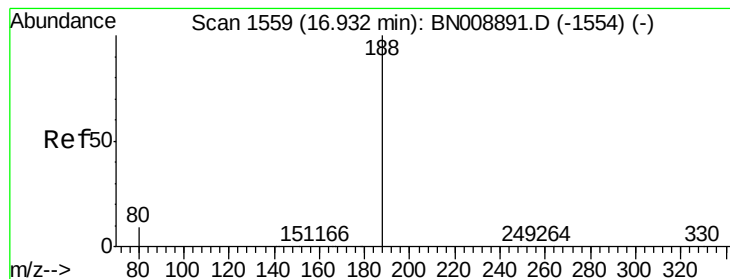


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

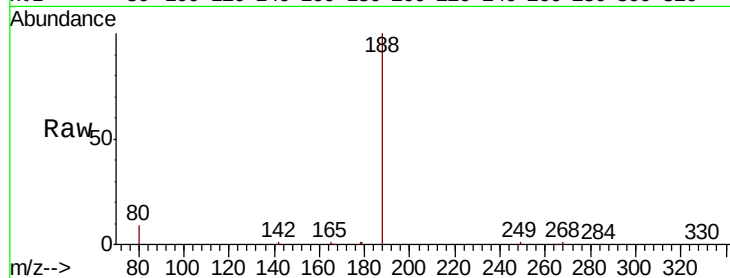
Tot Ion:188 Resp: 19667

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

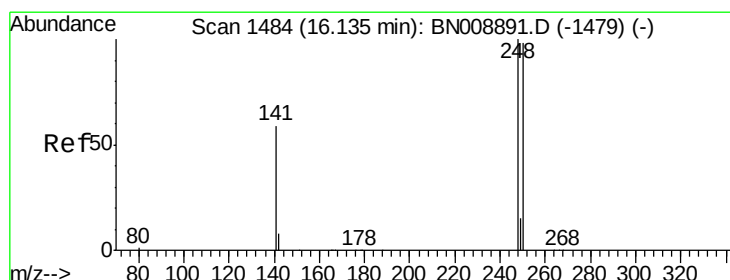
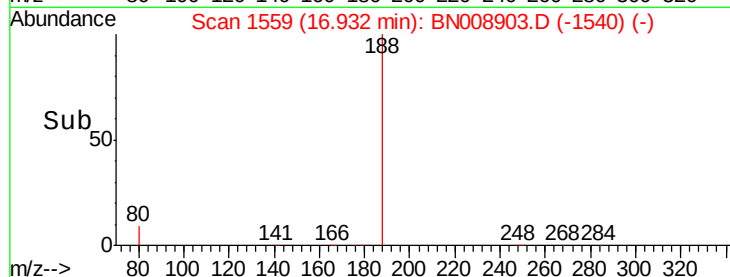
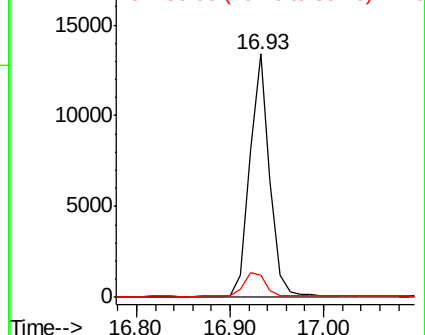
80 9.2 7.3 10.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.083 ng

RT: 16.14 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

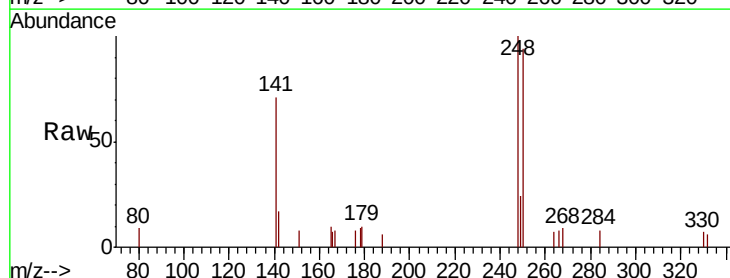
Tgt Ion:248 Resp: 982

Ion Ratio Lower Upper

248 100

250 94.0 78.7 118.1

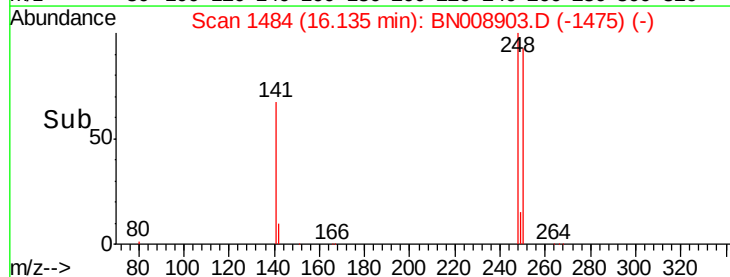
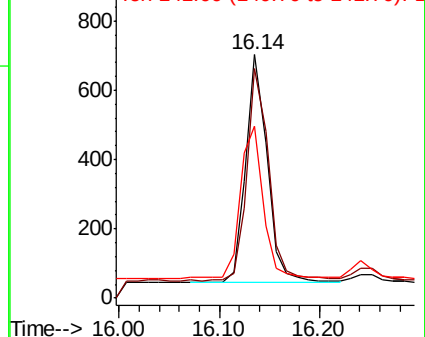
141 70.6 47.9 71.9

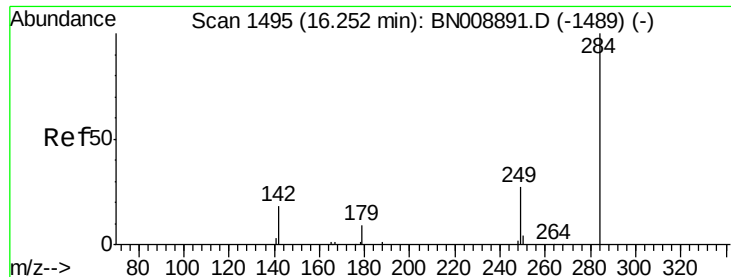


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

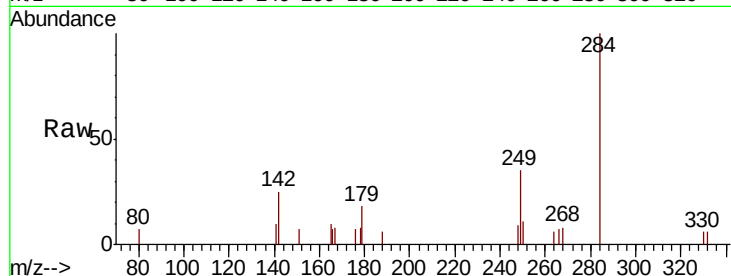




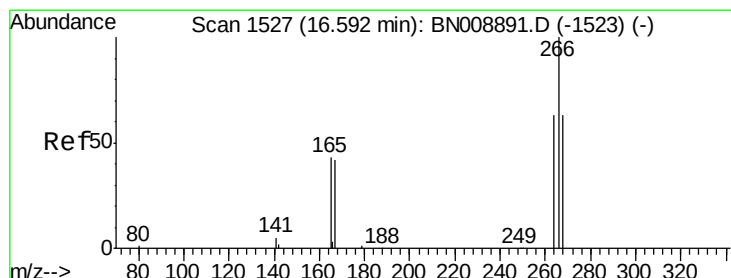
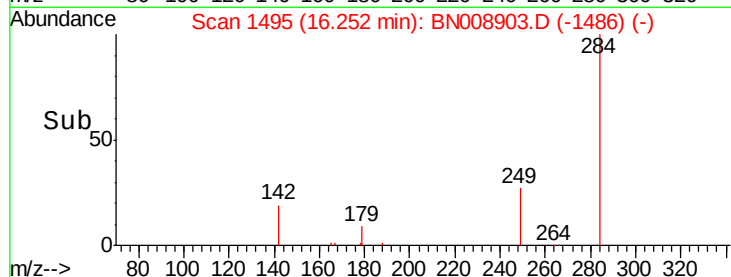
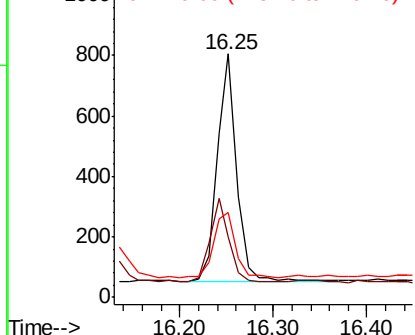
#21
Hexachlorobenzene
Concen: 0.081 ng
RT: 16.25 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:284 Resp: 1084
Ion Ratio Lower Upper
284 100
142 34.9 27.8 41.6
249 32.1 25.3 37.9

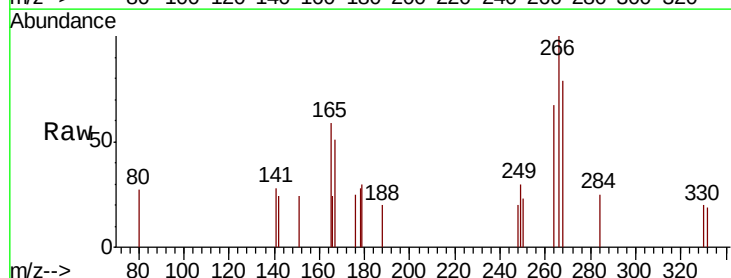


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

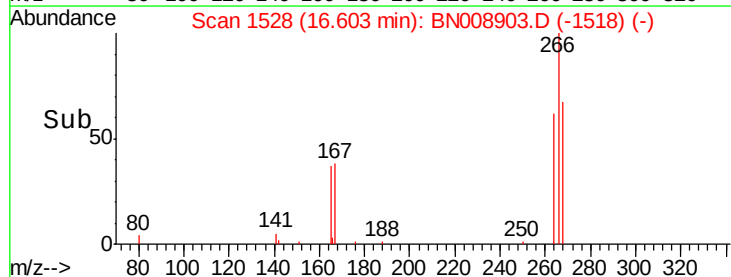
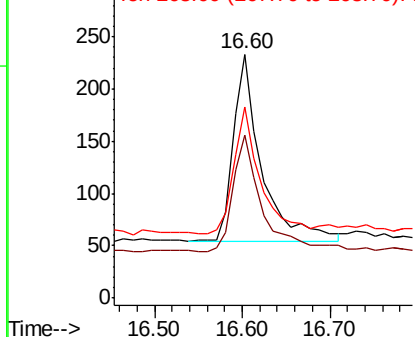


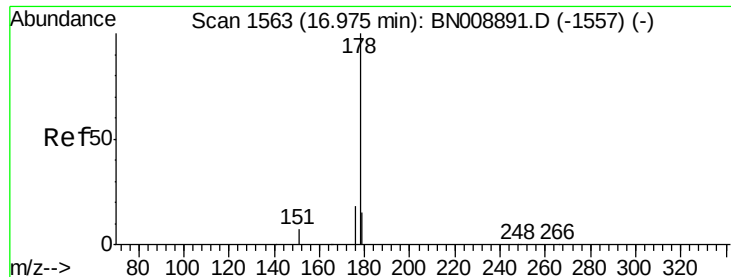
#22
Pentachlorophenol
Concen: 0.083 ng
RT: 16.60 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

Tgt Ion:266 Resp: 400
Ion Ratio Lower Upper
266 100
264 67.0 51.5 77.3
268 78.5 53.1 79.7



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: 0.083 ng

RT: 16.97 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

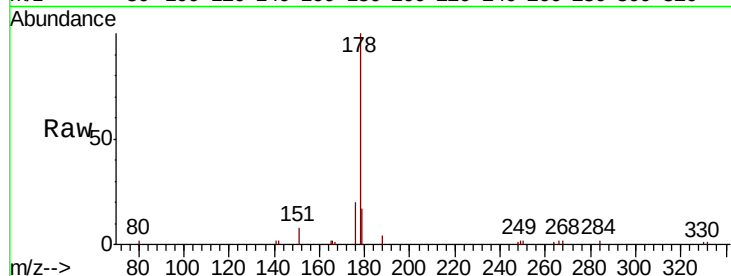
Tot Ion:178 Resp: 5133

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

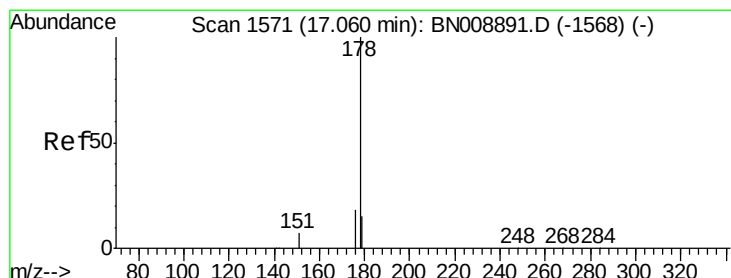
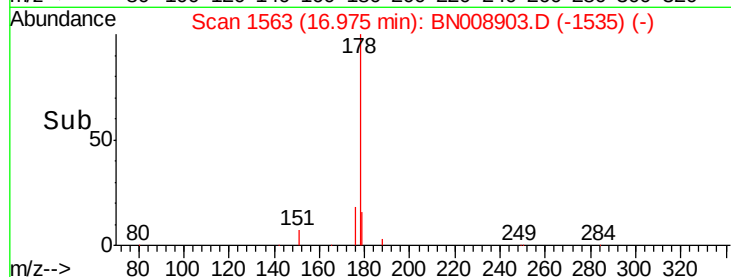
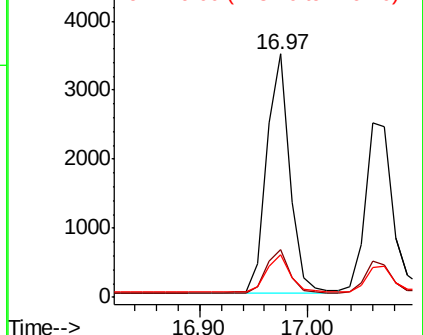
179 16.1 12.3 18.5



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



#24

Anthracene

Concen: 0.081 ng

RT: 17.06 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

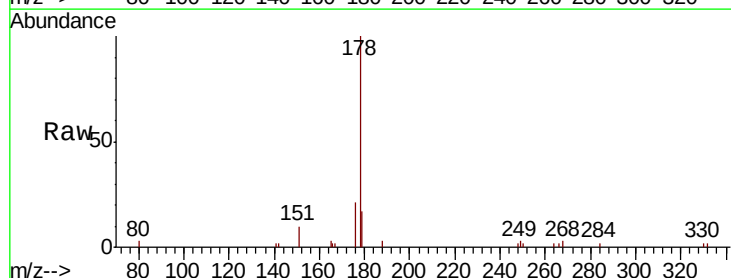
Tgt Ion:178 Resp: 4402

Ion Ratio Lower Upper

178 100

176 17.8 14.4 21.6

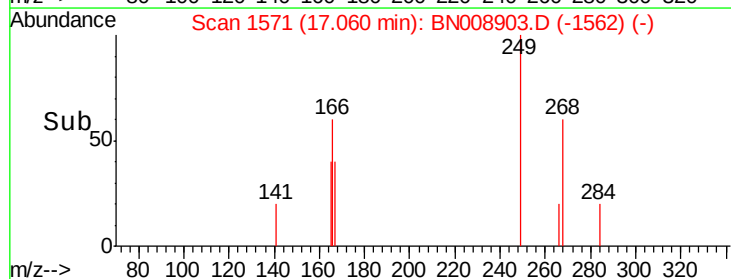
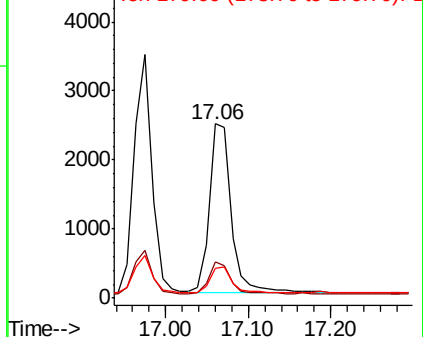
179 15.1 12.1 18.1

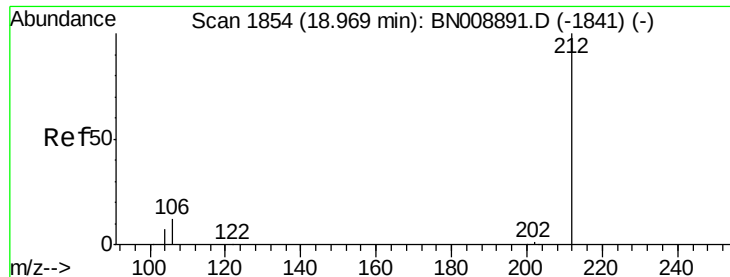


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.354 ng

RT: 18.97 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

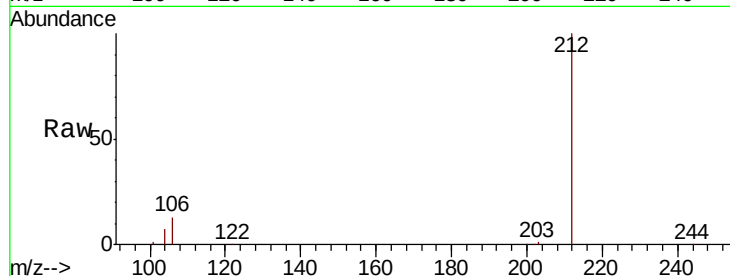
Tot Ion:212 Resp: 21068

Ion Ratio Lower Upper

212 100

106 12.7 10.4 15.6

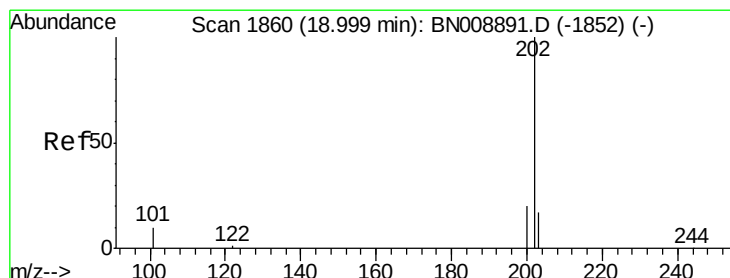
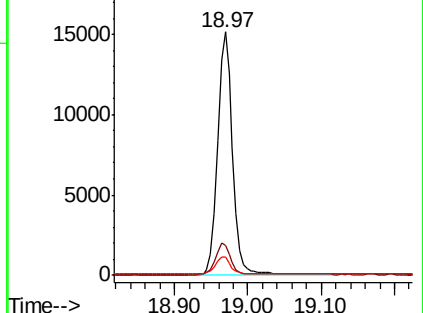
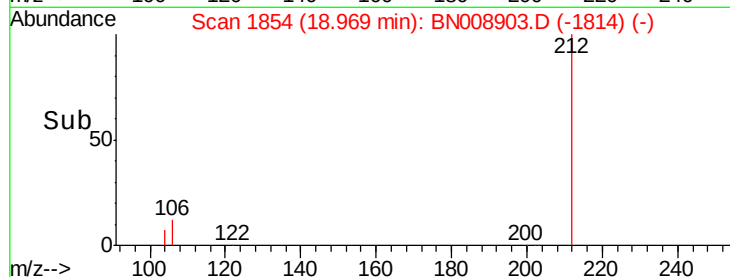
104 7.1 5.9 8.9



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: 0.083 ng

RT: 19.00 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

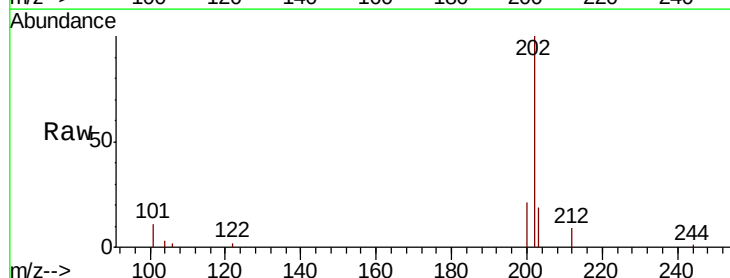
Tgt Ion:202 Resp: 6083

Ion Ratio Lower Upper

202 100

101 11.4 8.8 13.2

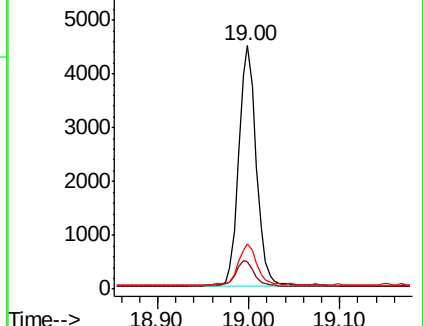
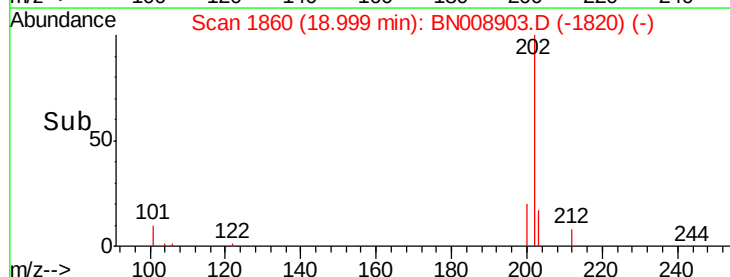
203 17.3 13.8 20.6

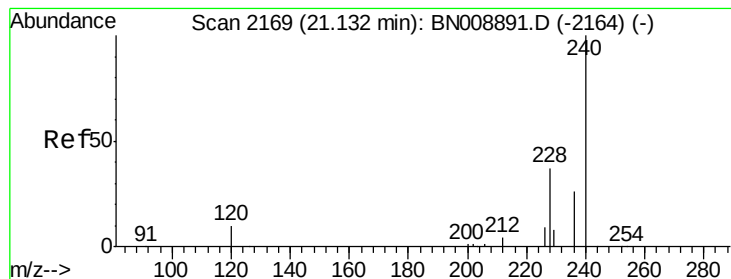


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

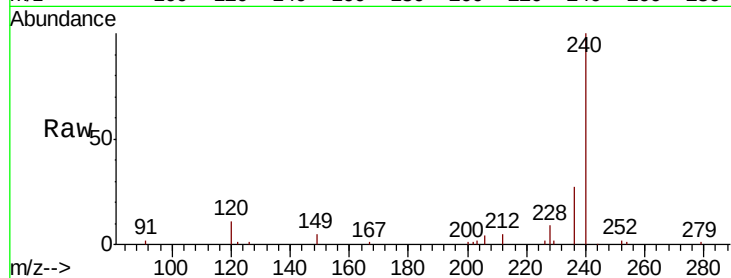
Tot Ion:240 Resp: 18931

Ion Ratio Lower Upper

240 100

120 11.1 9.1 13.7

236 27.0 21.5 32.3

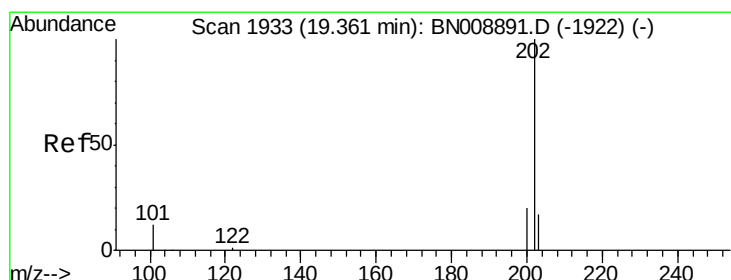
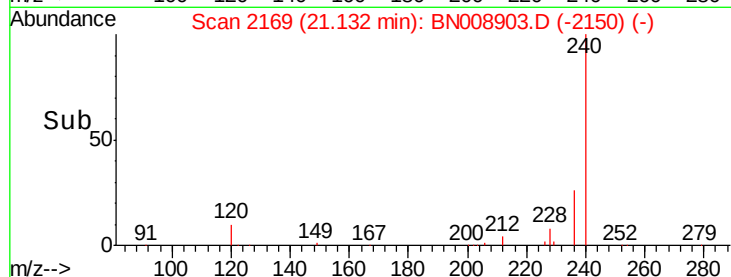
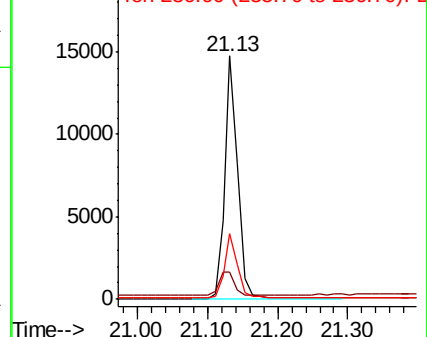


Abundance

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: 0.091 ng

RT: 19.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

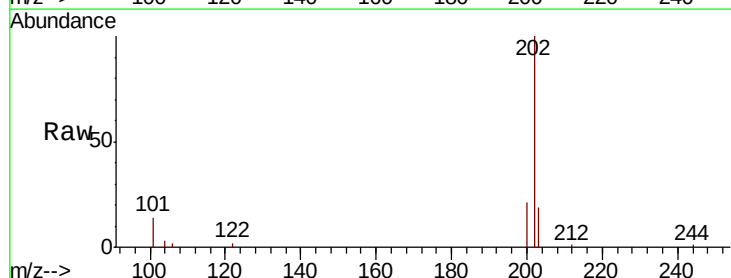
Tgt Ion:202 Resp: 6036

Ion Ratio Lower Upper

202 100

200 20.3 16.1 24.1

203 18.3 13.9 20.9

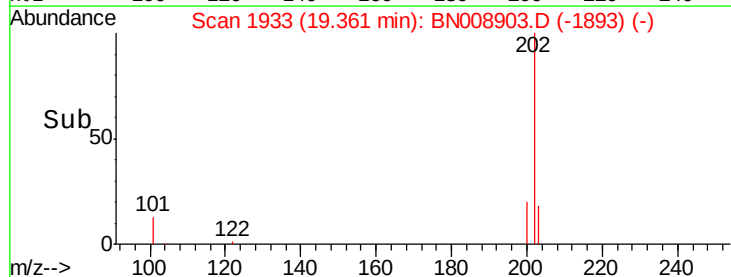
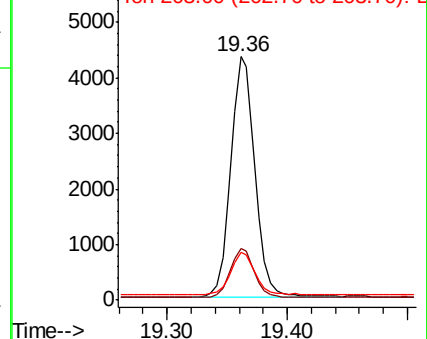


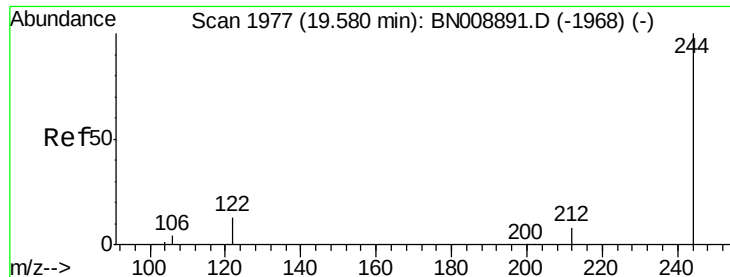
Abundance

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: 0.401 ng

RT: 19.58 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

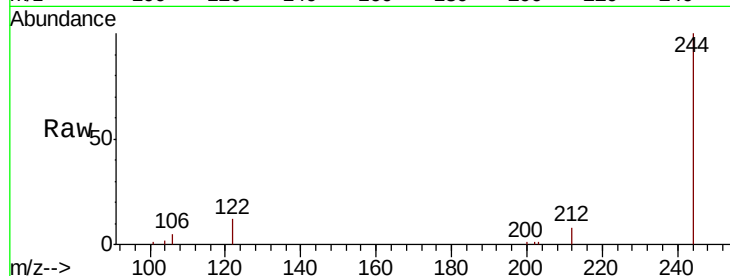
Tot Ion:244 Resp: 17331

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

122 12.3 10.4 15.6

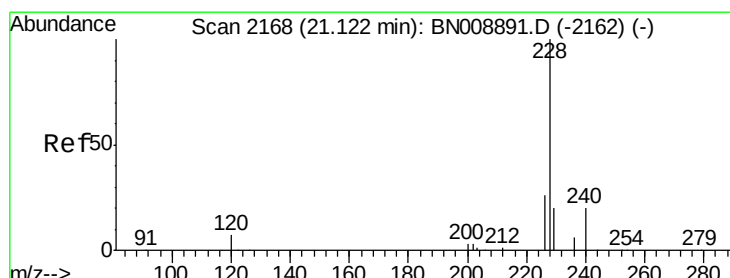
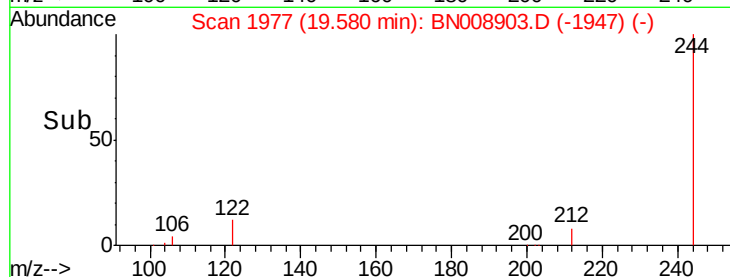
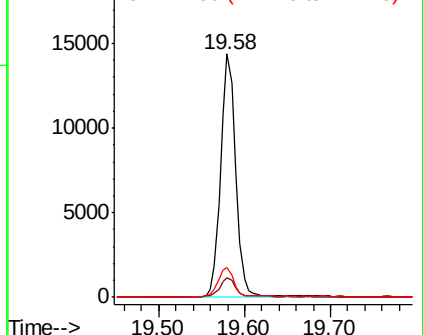


Abundance

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: 0.086 ng

RT: 21.12 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

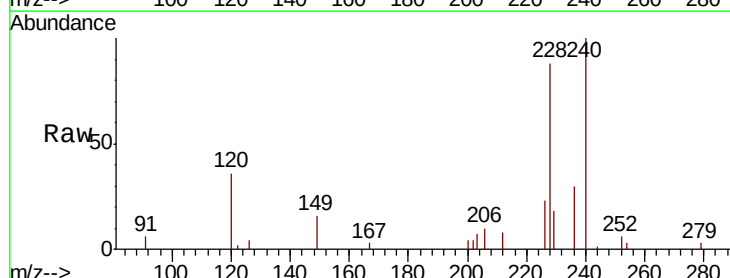
Tgt Ion:228 Resp: 5742

Ion Ratio Lower Upper

228 100

226 26.4 20.6 30.8

229 20.2 15.9 23.9

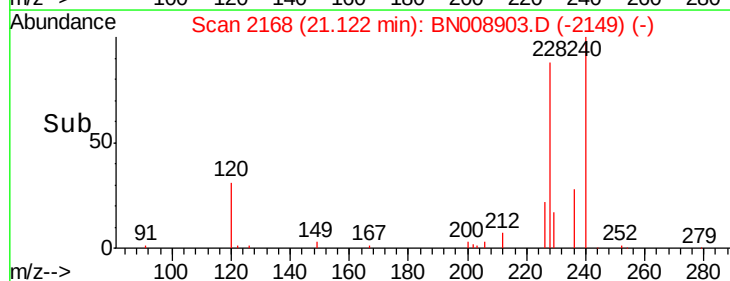
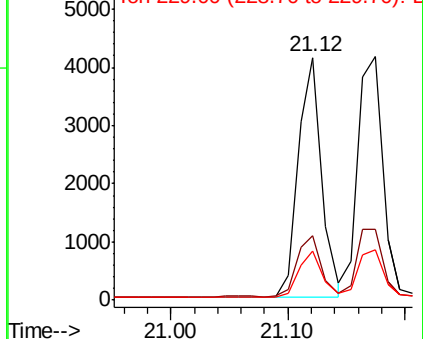


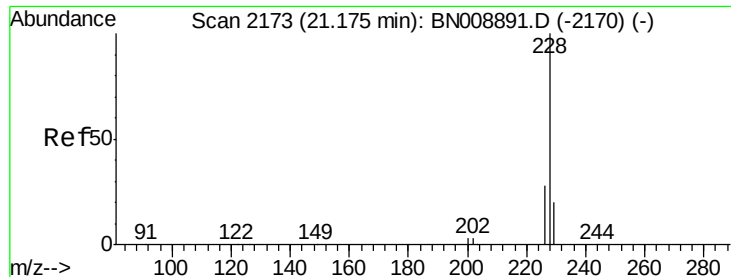
Abundance

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

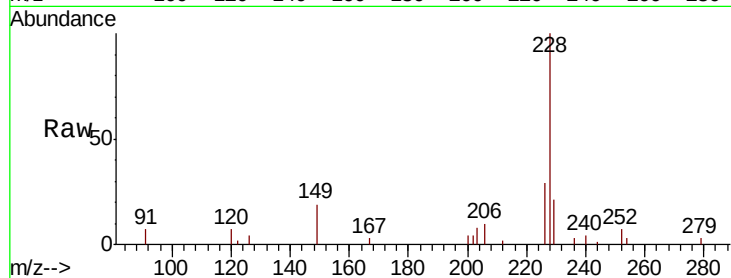




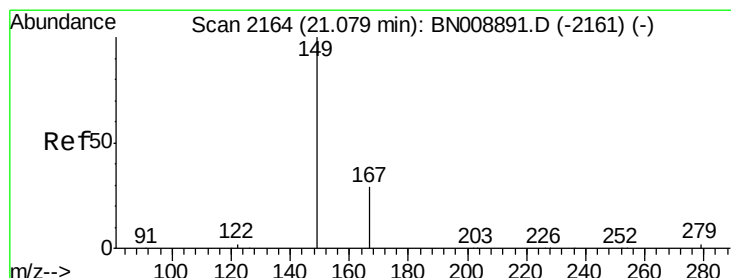
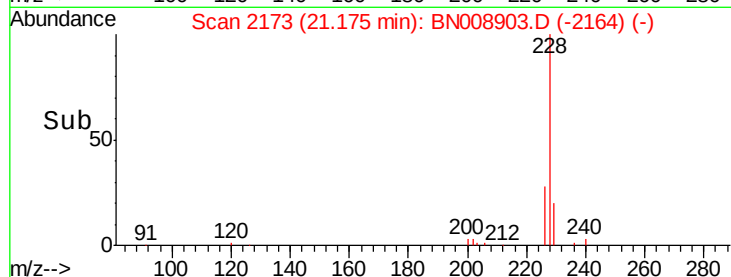
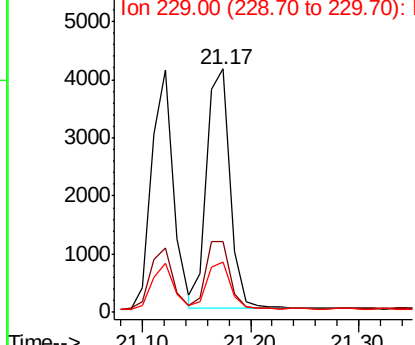
#31
Chrysene
Concen: 0.089 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

Tot Ion:228 Resp: 6185
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.4
229 20.7 15.9 23.9

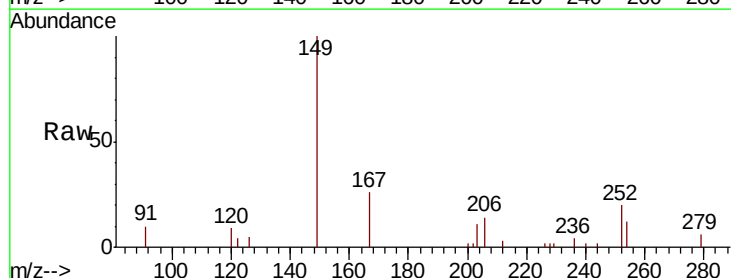


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

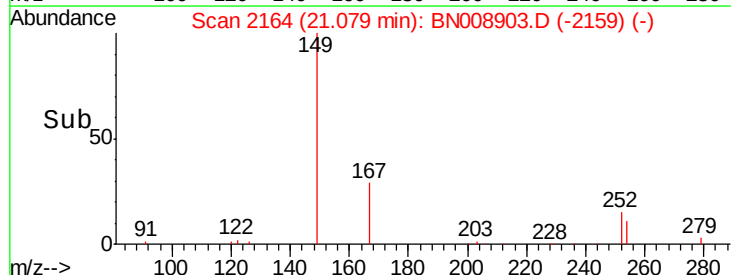
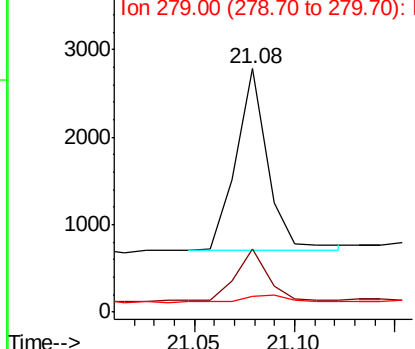


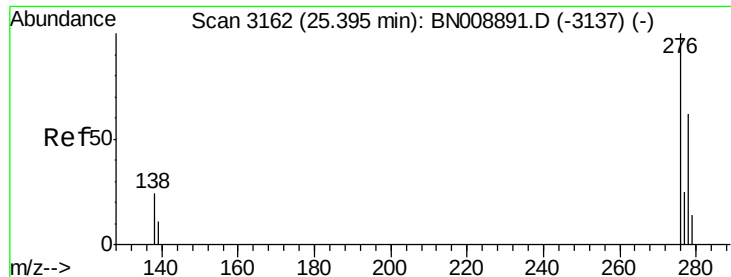
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.075 ng
RT: 21.08 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

Tgt Ion:149 Resp: 2347
Ion Ratio Lower Upper
149 100
167 27.2 22.7 34.1
279 4.3 3.3 4.9



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

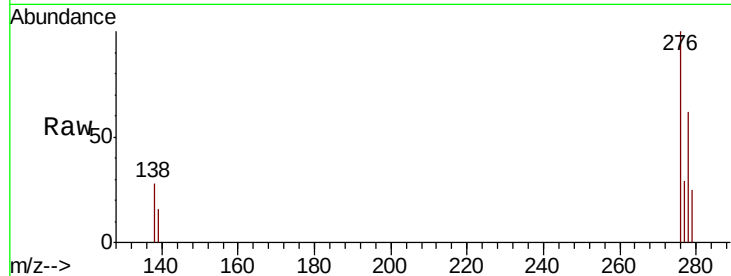




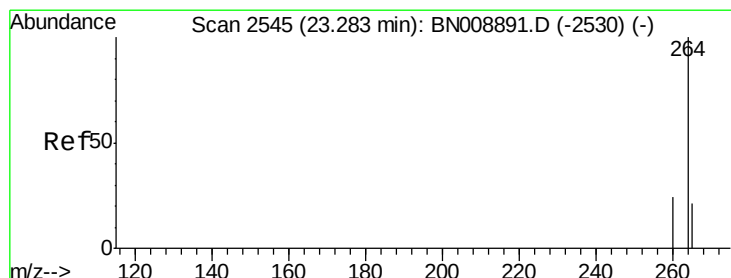
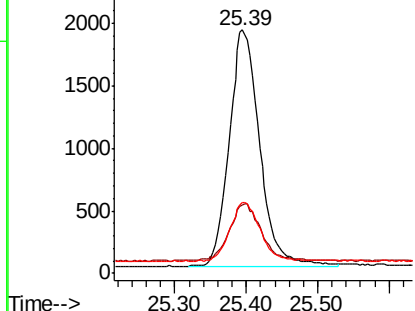
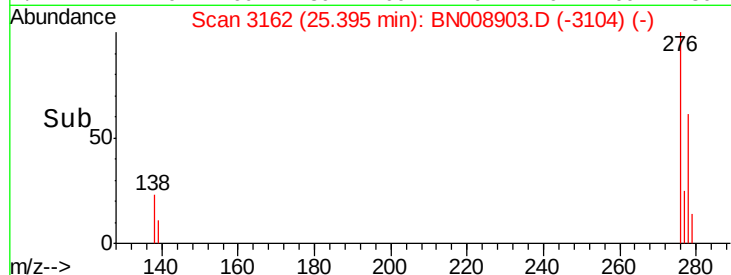
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.076 ng
 RT: 25.39 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BN008903.D
 Acq: 10 Dec 2019 13:14

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Tot Ion:276 Resp: 5630
 Ion Ratio Lower Upper
 276 100
 138 24.4 19.9 29.9
 277 24.7 19.8 29.8

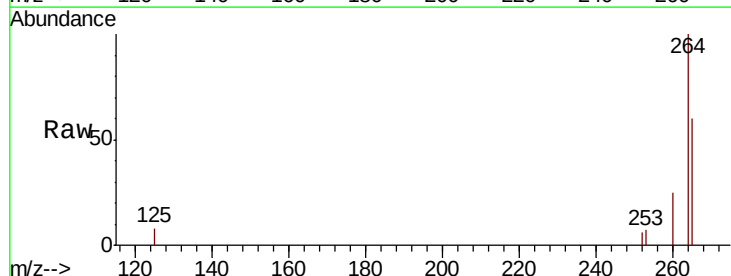


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

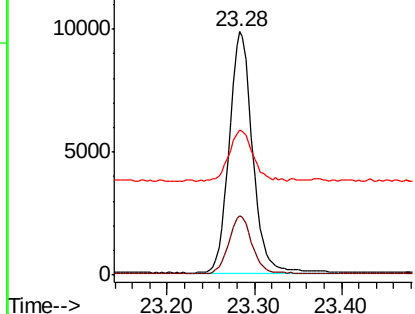
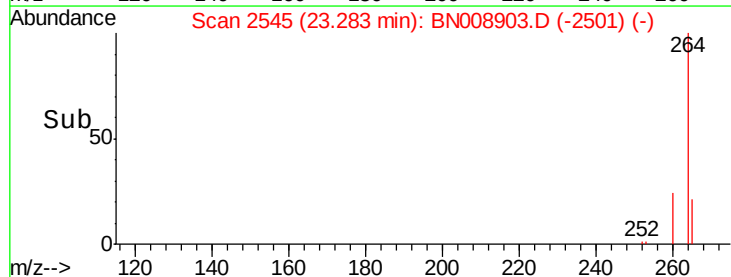


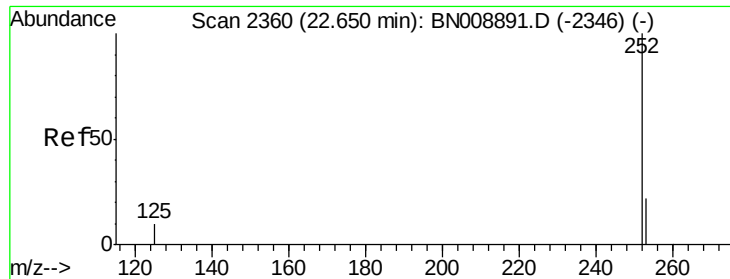
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.28 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: BN008903.D
 Acq: 10 Dec 2019 13:14

Tgt Ion:264 Resp: 18313
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.0
 265 59.7 47.5 71.3



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

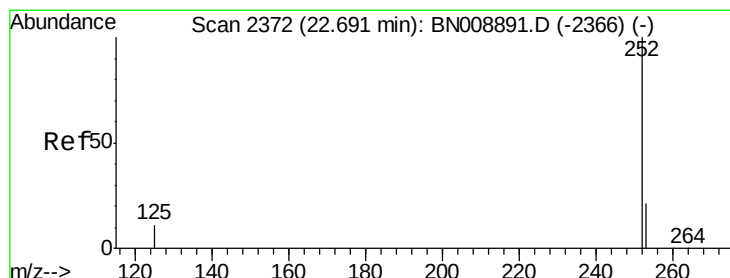
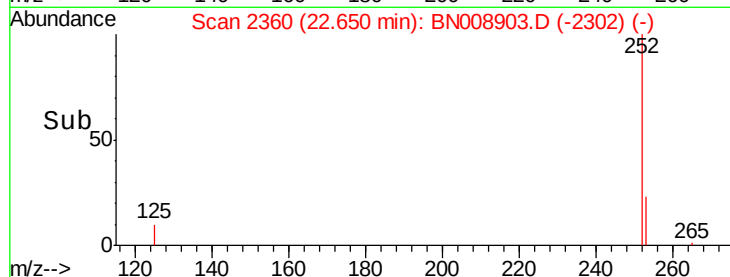
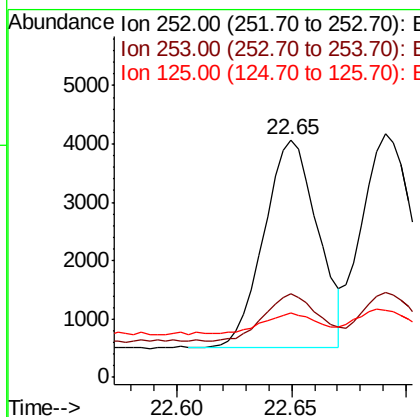
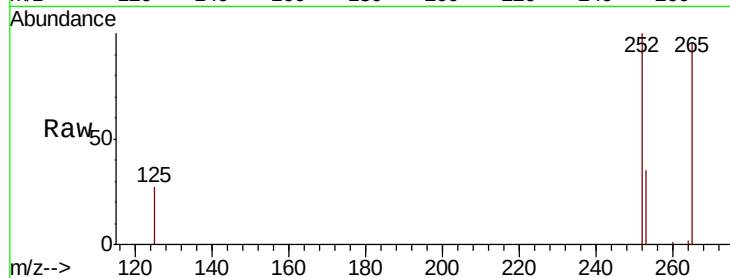




#35
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.65 min Scan# 2360
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

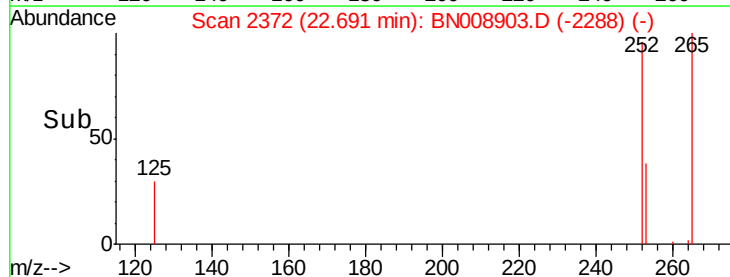
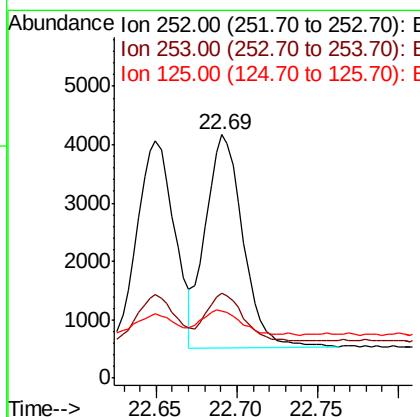
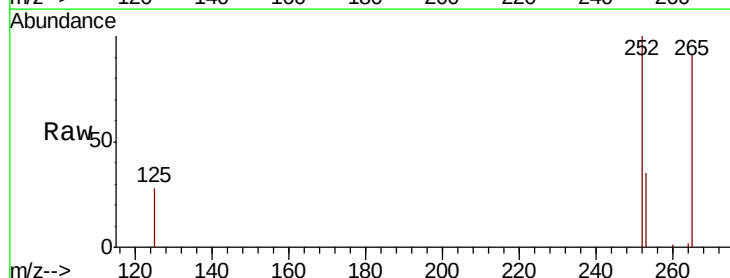
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2019

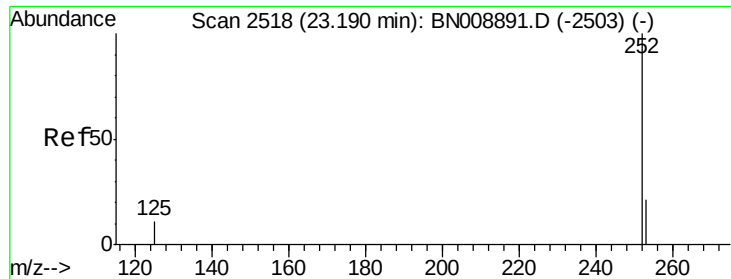
Tot Ion:252 Resp: 5808
Ion Ratio Lower Upper
252 100
253 35.1 19.8 29.6#
125 26.9 10.8 16.2#



#36
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 22.69 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BN008903.D
Acq: 10 Dec 2019 13:14

Tgt Ion:252 Resp: 5920
Ion Ratio Lower Upper
252 100
253 34.9 19.2 28.8#
125 27.6 11.6 17.4#





#37

Benzo(a)pyrene

Concen: 0.081 ng

RT: 23.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019

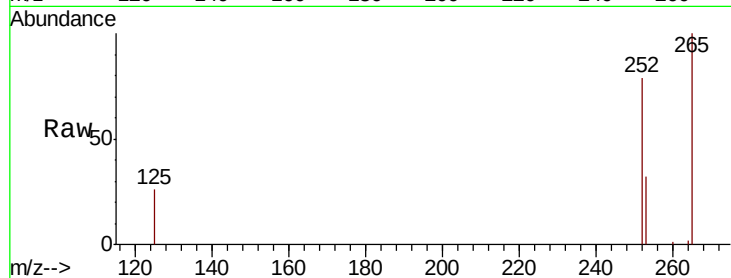
Tot Ion:252 Resp: 4752

Ion Ratio Lower Upper

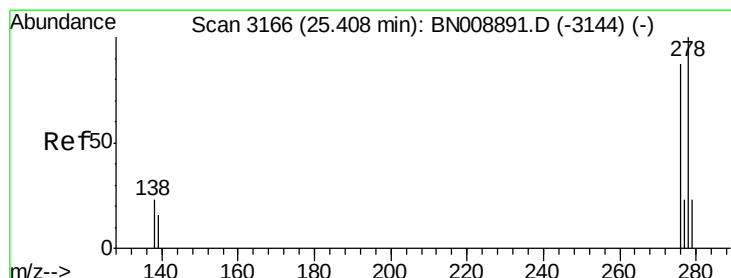
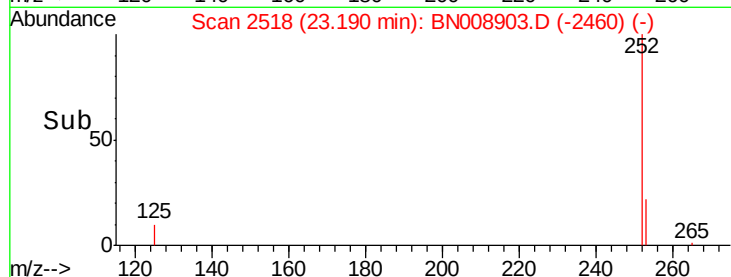
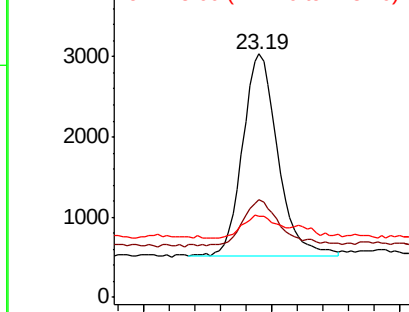
252 100

253 39.9 19.9 29.9#

125 33.3 12.3 18.5#



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: 0.082 ng

RT: 25.41 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BN008903.D

Acq: 10 Dec 2019 13:14

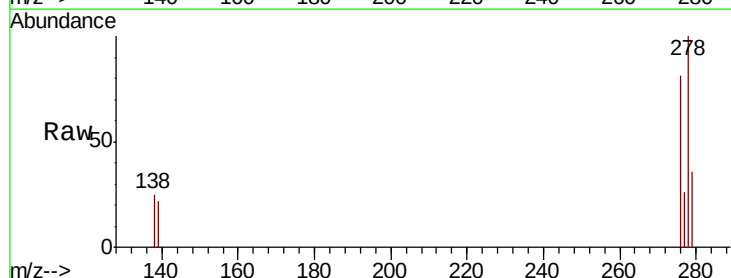
Tgt Ion:278 Resp: 4533

Ion Ratio Lower Upper

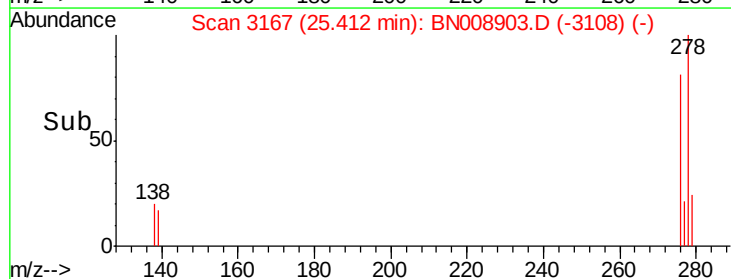
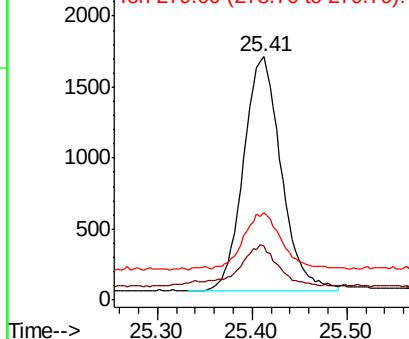
278 100

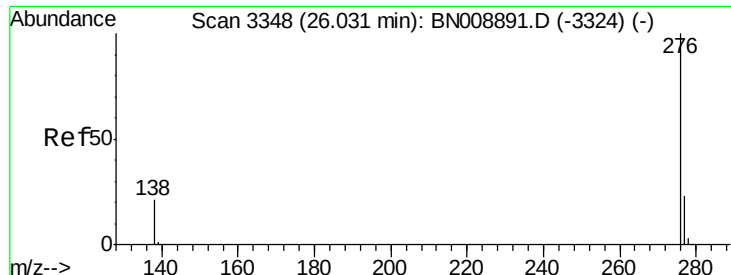
139 22.3 13.9 20.9#

279 36.1 20.2 30.4#



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: 0.090 ng

RT: 26.03 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BN008903.D

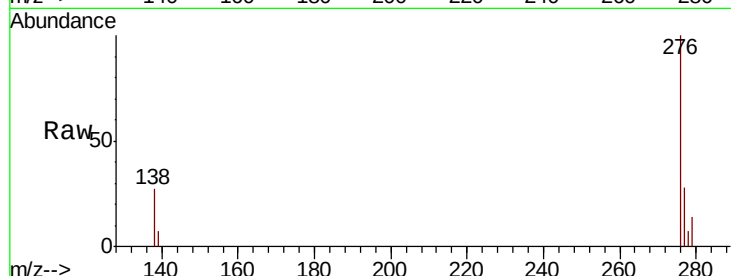
Acq: 10 Dec 2019 13:14

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2019



Tot Ion: 276 Resp: 4892

Ion Ratio Lower Upper

276 100

277 28.3 19.4 29.2

138 27.2 17.8 26.6#

