

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032919\
 Data File : BN005034.D
 Acq On : 29 Mar 2019 15:17
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 0.1 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 29 23:49:23 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Mar 29 03:42:17 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2556	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	10392	0.40	ng	0.01
13) Acenaphthene-d10	14.31	164	6463	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	16011	0.40	ng	0.01
27) Chrysene-d12	21.26	240	17907	0.40	ng	0.00
34) Perylene-d12	23.50	264	17704	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	2451	0.38	ng	0.00
5) Phenol-d6	6.86	99	2695	0.36	ng	0.00
8) Nitrobenzene-d5	8.84	82	1997	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	5860	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	1171	0.32	ng	0.01
15) 2-Fluorobiphenyl	12.93	172	9338	0.38	ng	0.01
25) Fluoranthene-d10	19.10	212	16371	0.36	ng	0.00
29) Terphenyl-d14	19.70	244	16041	0.44	ng	0.00

Target Compounds

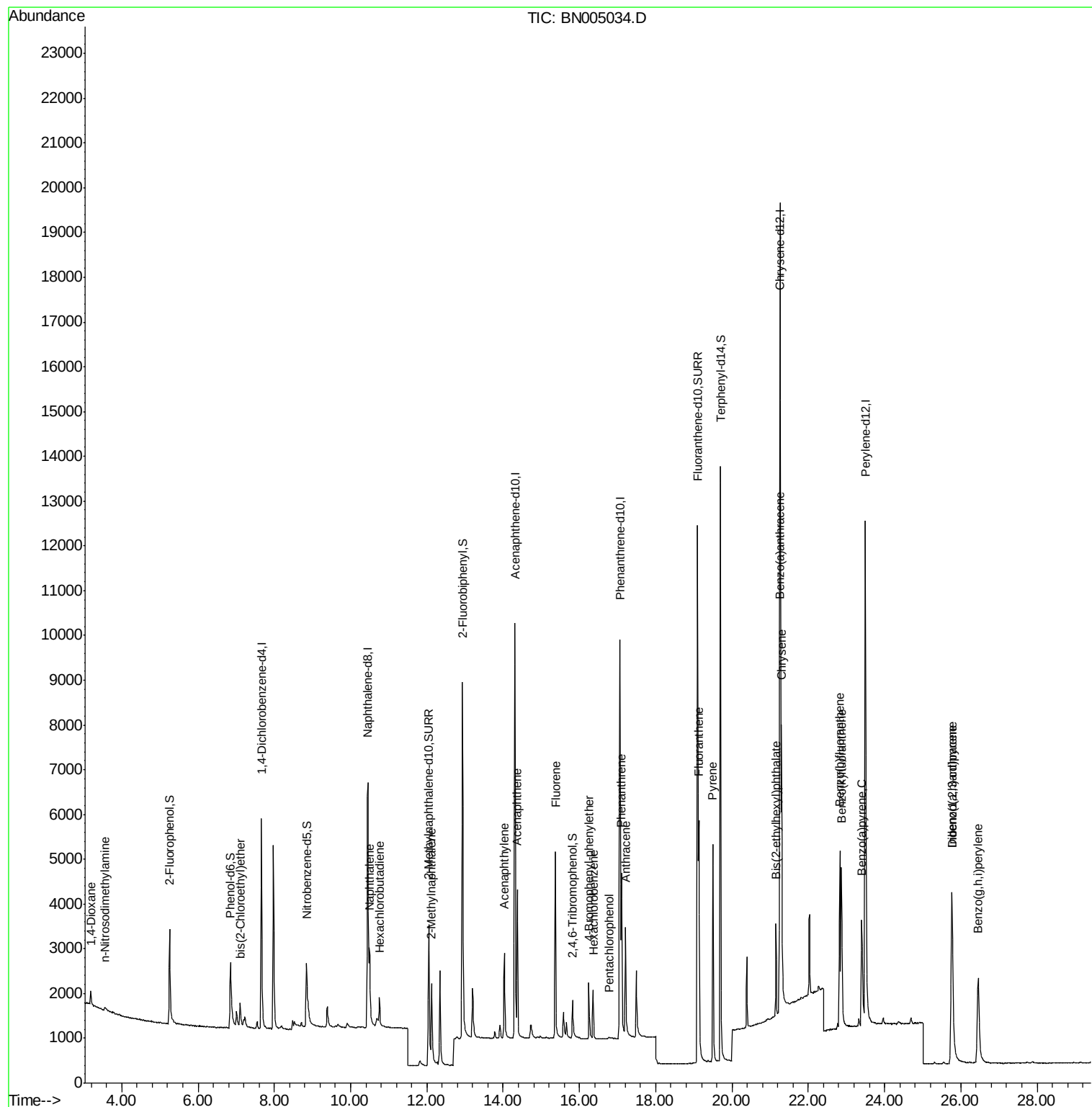
						Qvalue
2) 1,4-Dioxane	3.19	88	294	0.107	ng	96
3) n-Nitrosodimethylamine	3.56	42	76	0.045	ng	# 89
6) bis(2-Chloroethyl)ether	7.10	93	664	0.093	ng	91
9) Naphthalene	10.50	128	2577	0.099	ng	# 92
10) Hexachlorobutadiene	10.76	225	492	0.101	ng	# 100
12) 2-Methylnaphthalene	12.12	142	1776	0.094	ng	98
16) Acenaphthylene	14.03	152	2551	0.084	ng	99
17) Acenaphthene	14.37	154	1817	0.094	ng	99
18) Fluorene	15.37	166	2410	0.093	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	820	0.089	ng	97
21) Hexachlorobenzene	16.37	284	958	0.095	ng	99
22) Pentachlorophenol	16.77	266	57	0.118	ng	# 70
23) Phenanthrene	17.10	178	4180	0.093	ng	100
24) Anthracene	17.21	178	3379	0.085	ng	99
26) Fluoranthene	19.13	202	5284	0.096	ng	99
28) Pyrene	19.50	202	5164	0.102	ng	100
30) Benzo(a)anthracene	21.25	228	4702	0.093	ng	97
31) Chrysene	21.30	228	5641	0.104	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	1996	0.094	ng	98
33) Indeno(1,2,3-cd)pyrene	25.76	276	5684	0.093	ng	98
35) Benzo(b)fluoranthene	22.83	252	5355	0.094	ng	# 89
36) Benzo(k)fluoranthene	22.87	252	5640	0.103	ng	# 87
37) Benzo(a)pyrene	23.40	252	4584	0.091	ng	# 80
38) Dibenzo(a,h)anthracene	25.77	278	4565	0.090	ng	# 89
39) Benzo(g,h,i)perylene	26.45	276	4993	0.098	ng	95

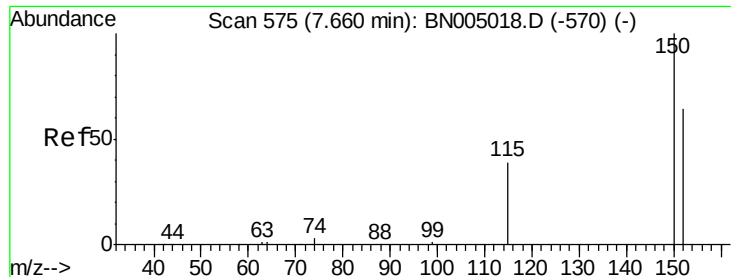
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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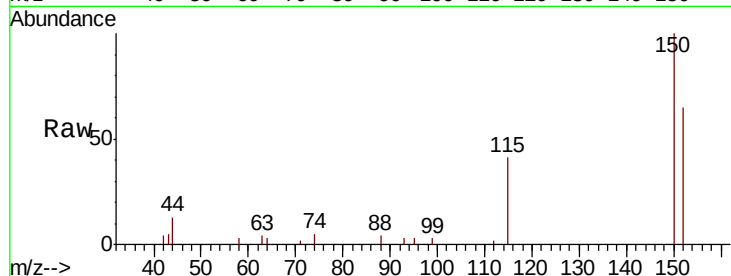


#1

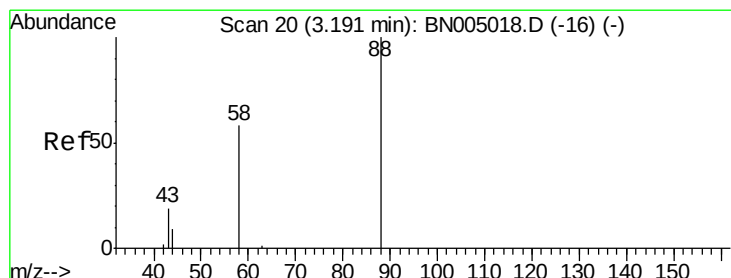
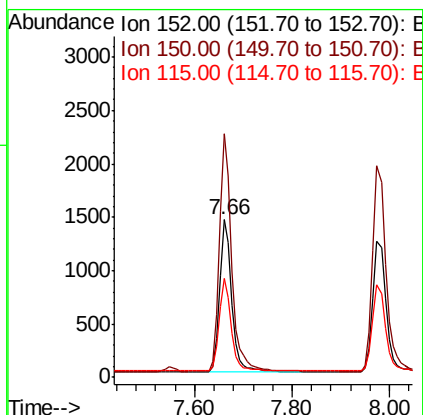
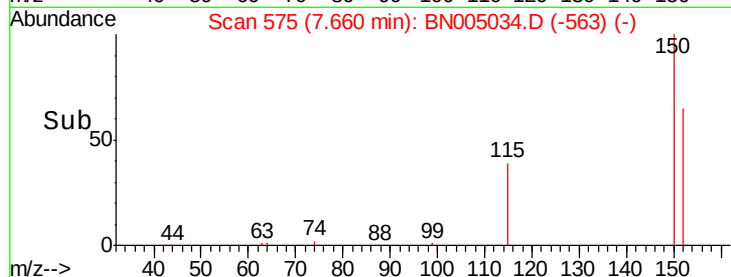
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 152 Resp: 2556
Ion Ratio Lower Upper
152 100
150 154.3 123.4 185.2
115 62.7 50.0 75.0



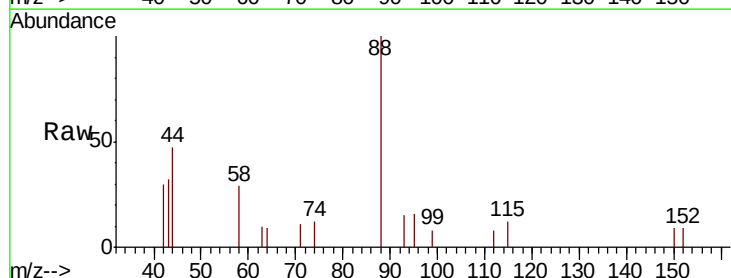
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



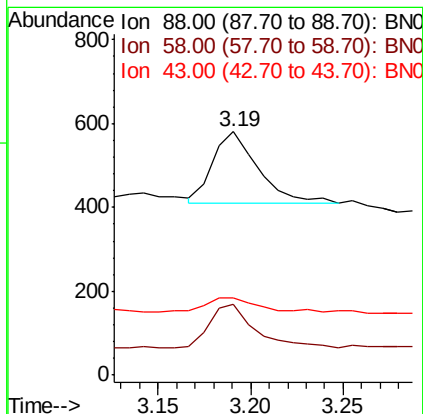
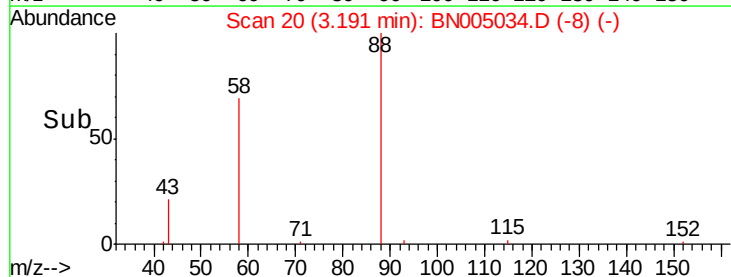
#2

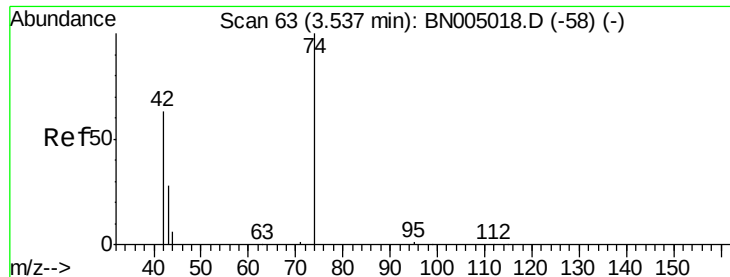
1,4-Dioxane
Concen: 0.107 ng
RT: 3.19 min Scan# 20
Delta R.T. 0.00 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion: 88 Resp: 294
Ion Ratio Lower Upper
88 100
58 62.6 52.8 79.2
43 22.4 19.6 29.4



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: 0.045 ng

RT: 3.56 min Scan# 66

Delta R.T. 0.03 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

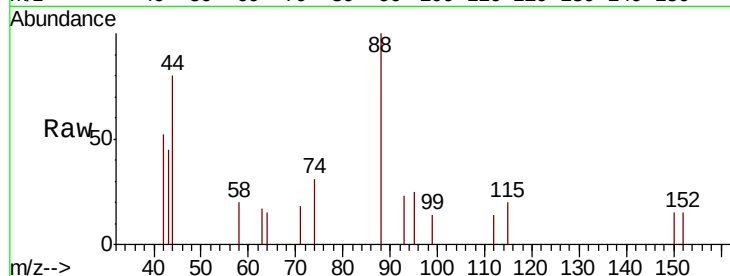
Tgt Ion: 42 Resp: 76

Ion Ratio Lower Upper

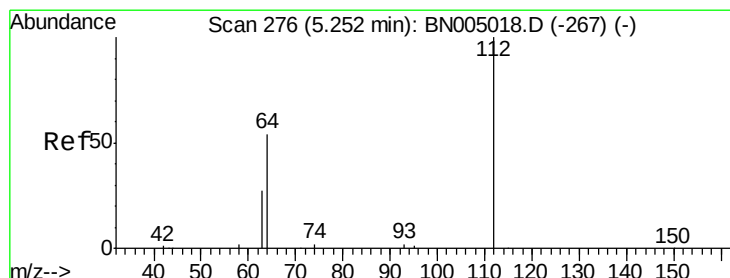
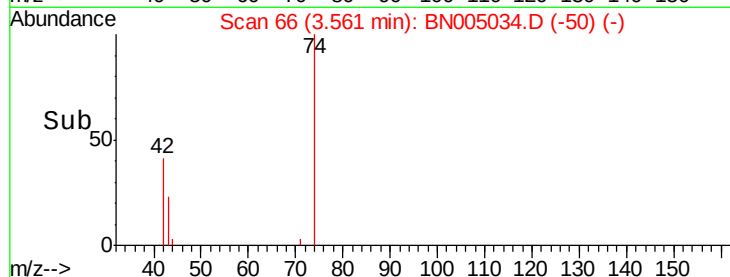
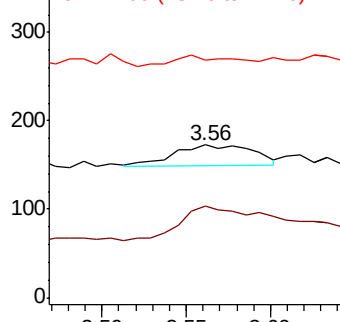
42 100

74 169.7 129.1 193.7

44 39.5 11.6 17.4#



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: 0.384 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

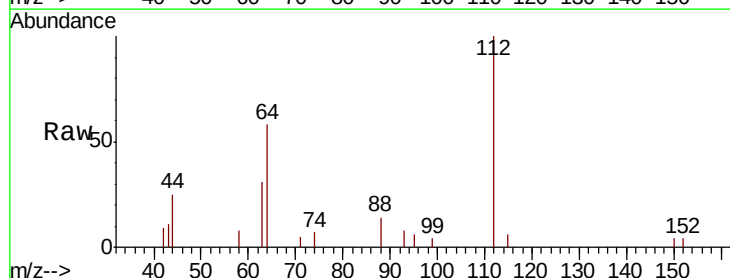
Tgt Ion: 112 Resp: 2451

Ion Ratio Lower Upper

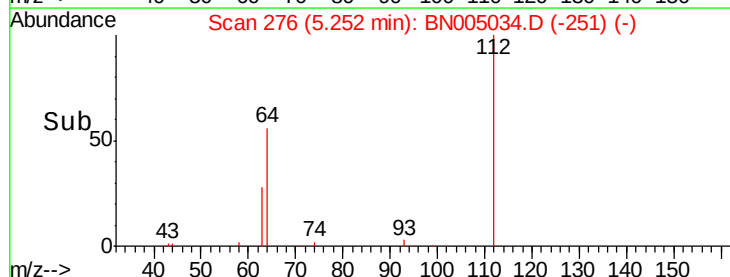
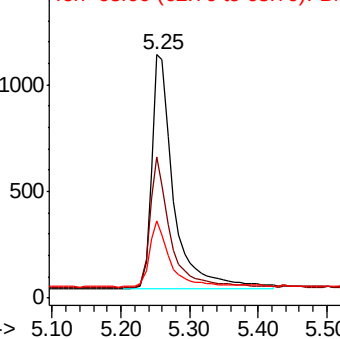
112 100

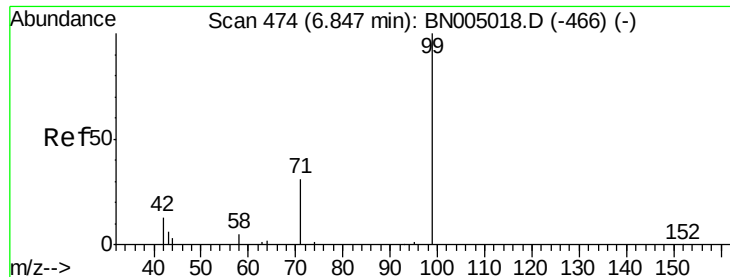
64 52.6 41.9 62.9

63 27.3 21.5 32.3



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





#5

Phenol-d6

Concen: 0.357 ng

RT: 6.86 min Scan# 475

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

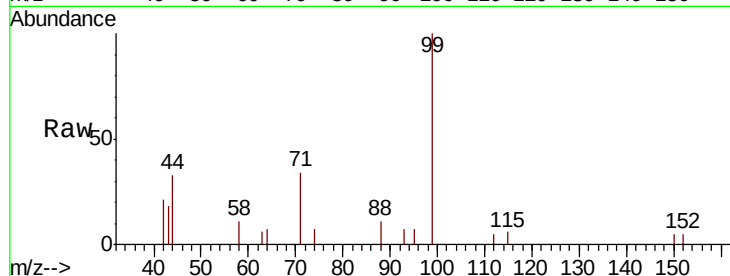
Tgt Ion: 99 Resp: 2695

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

71 31.9 26.1 39.1



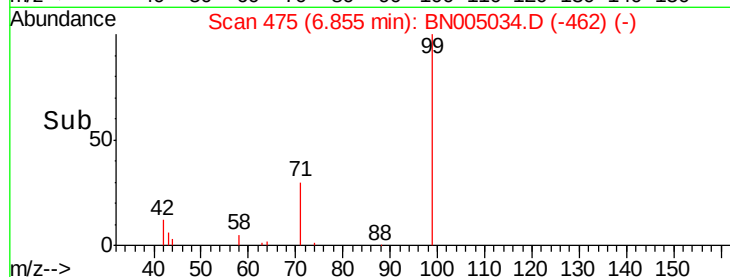
Abundance Ion 99.00 (98.70 to 99.70): BN005018.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN005018.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN005018.D (-466) (-)

6.86

Time-->



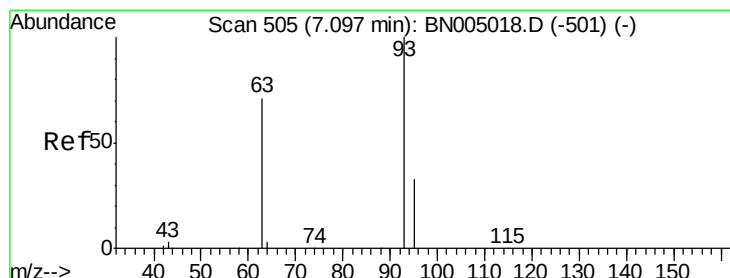
Abundance Ion 93.00 (92.70 to 93.70): BN005018.D (-501) (-)

Ion 63.00 (62.70 to 63.70): BN005018.D (-501) (-)

Ion 95.00 (94.70 to 95.70): BN005018.D (-501) (-)

7.10

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.093 ng

RT: 7.10 min Scan# 506

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

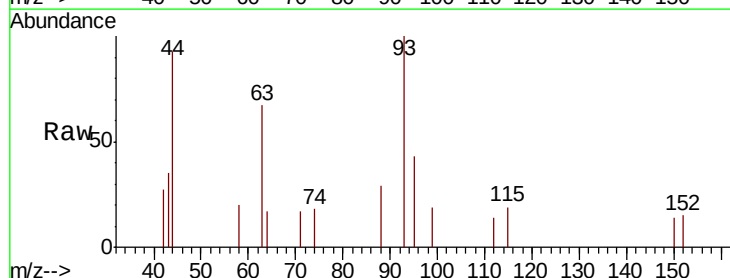
Tgt Ion: 93 Resp: 664

Ion Ratio Lower Upper

93 100

63 57.1 51.8 77.6

95 27.1 24.8 37.2



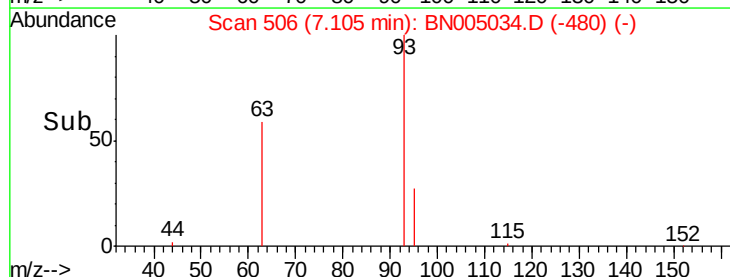
Abundance Ion 93.00 (92.70 to 93.70): BN005018.D (-501) (-)

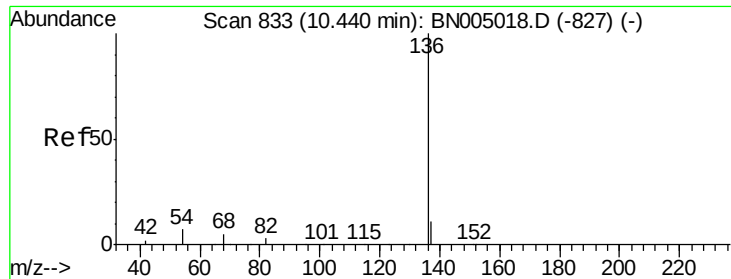
Ion 63.00 (62.70 to 63.70): BN005018.D (-501) (-)

Ion 95.00 (94.70 to 95.70): BN005018.D (-501) (-)

7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 834

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:136 Resp: 10392

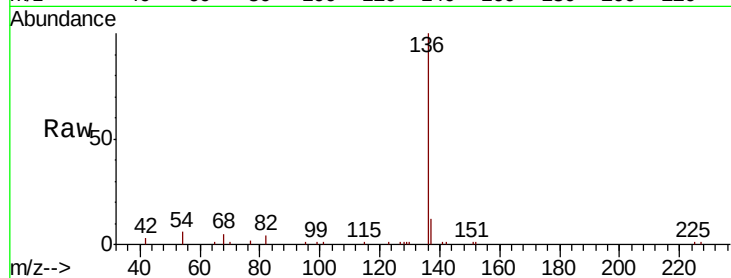
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 5.7 6.0 9.0#

68 5.0 5.0 7.6#

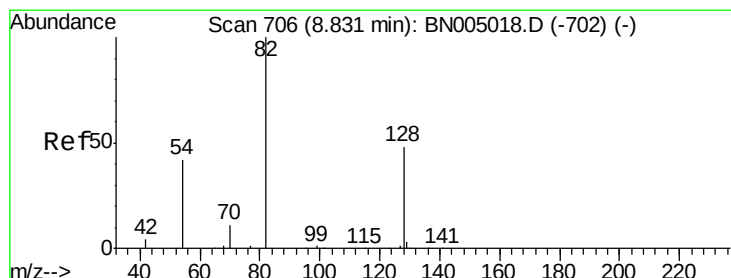
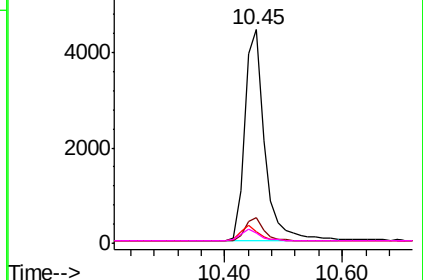
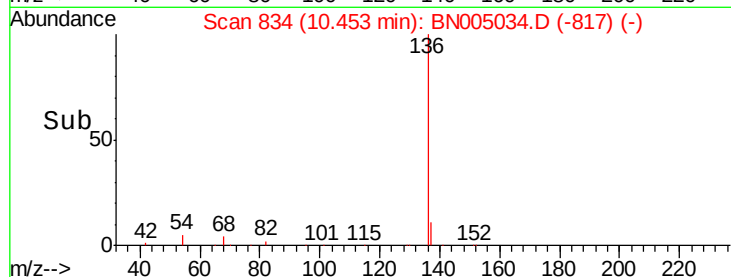


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.332 ng

RT: 8.84 min Scan# 707

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

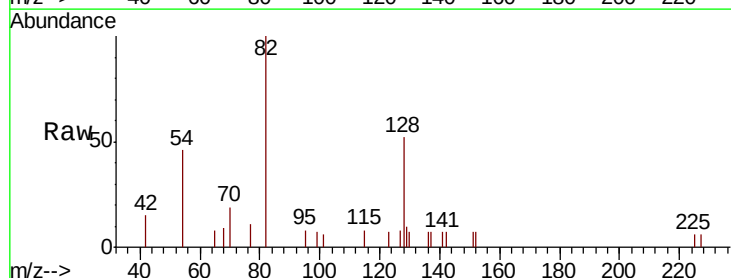
Tgt Ion: 82 Resp: 1997

Ion Ratio Lower Upper

82 100

128 51.5 40.5 60.7

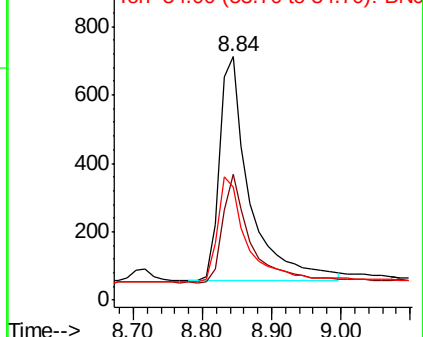
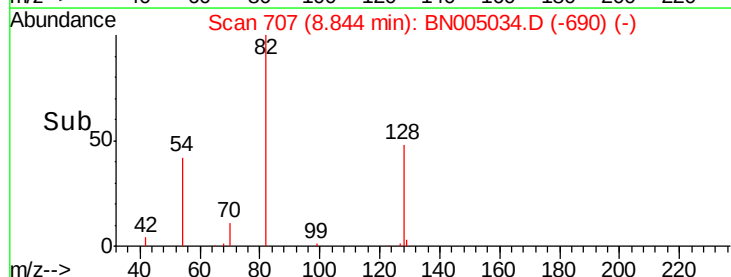
54 46.3 35.7 53.5

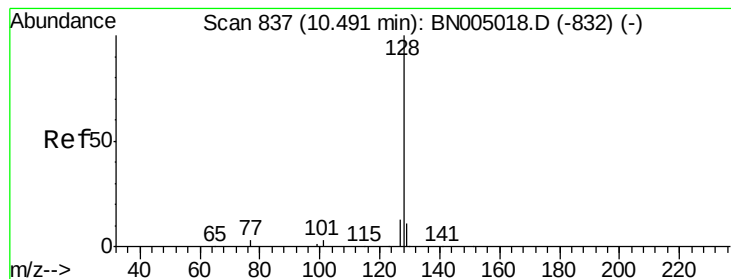


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.099 ng

RT: 10.50 min Scan# 838

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

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LOD-MDL-SOIL-01-QT1-2019

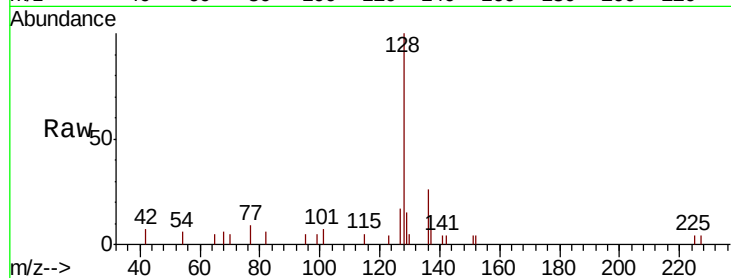
Tgt Ion:128 Resp: 2577

Ion Ratio Lower Upper

128 100

129 14.7 9.4 14.2#

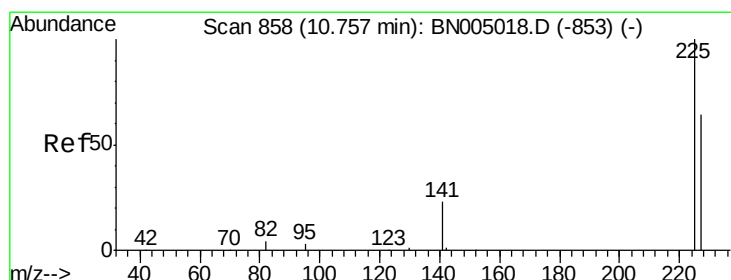
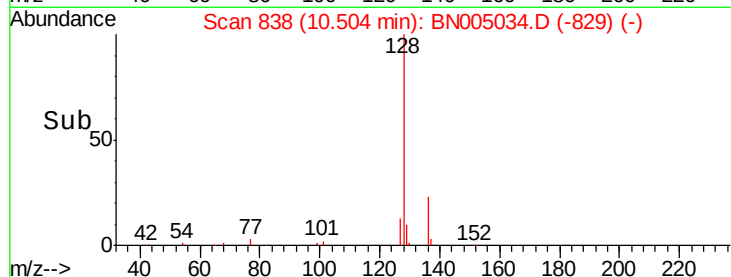
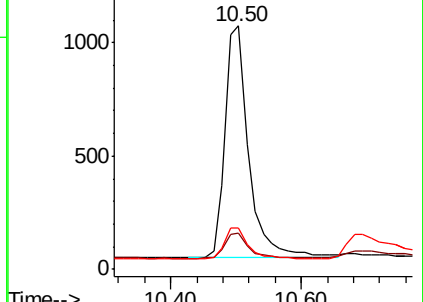
127 16.9 11.0 16.6#



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: 0.101 ng

RT: 10.76 min Scan# 858

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

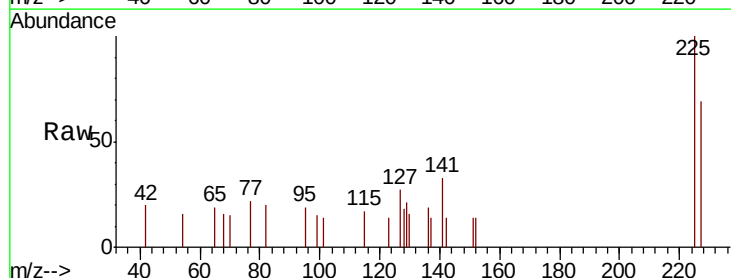
Tgt Ion:225 Resp: 492

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

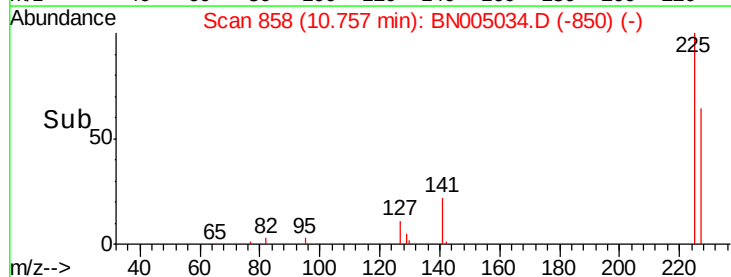
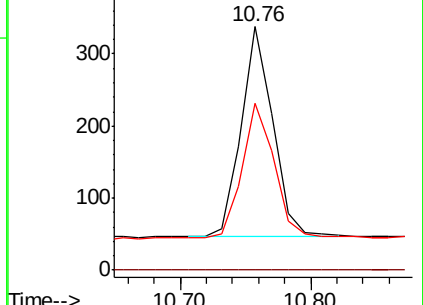
227 64.0 51.5 77.3

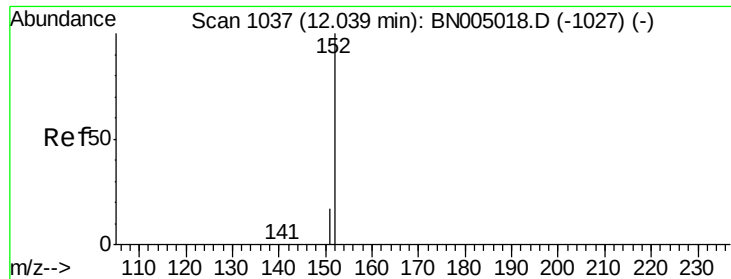


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

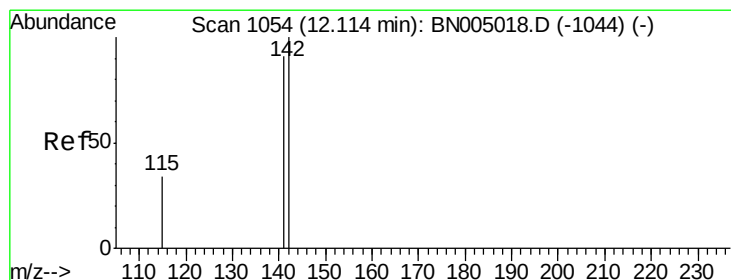
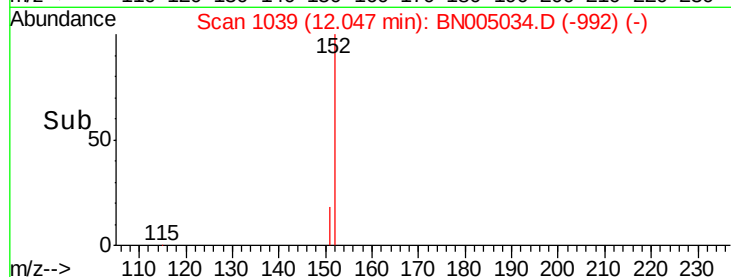
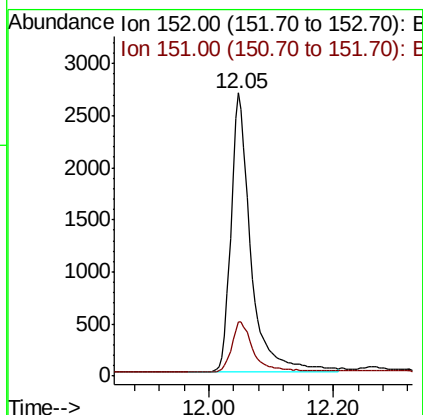
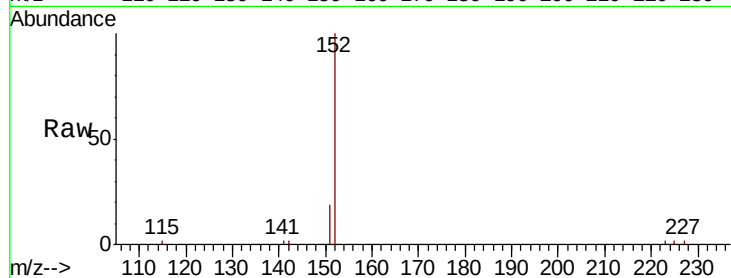




#11
 2-Methylnaphthalene-d10
 Concen: 0.364 ng
 RT: 12.05 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BN005034.D
 Acq: 29 Mar 2019 15:17

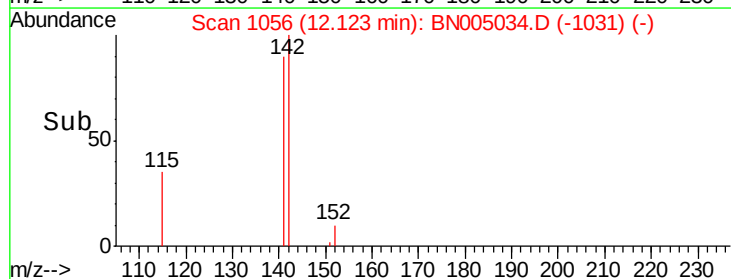
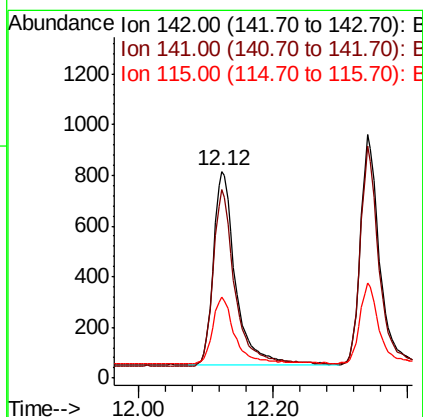
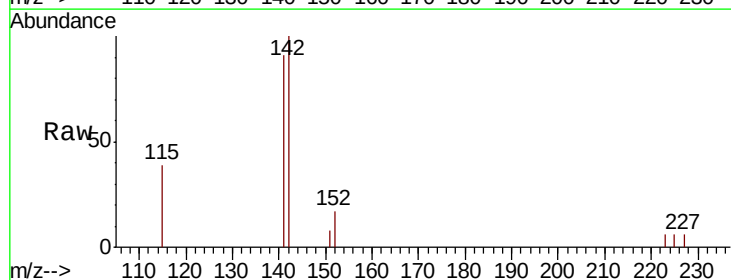
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

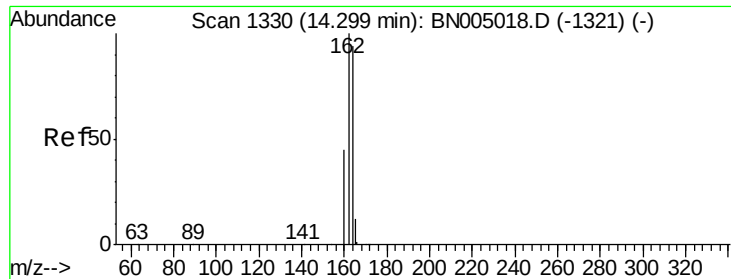
Tgt Ion:152 Resp: 5860
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.094 ng
 RT: 12.12 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: BN005034.D
 Acq: 29 Mar 2019 15:17

Tgt Ion:142 Resp: 1776
 Ion Ratio Lower Upper
 142 100
 141 90.9 72.6 108.8
 115 39.3 27.8 41.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

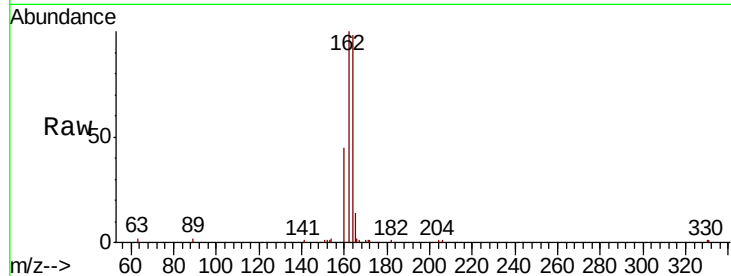
Tgt Ion:164 Resp: 6463

Ion Ratio Lower Upper

164 100

162 102.5 85.3 127.9

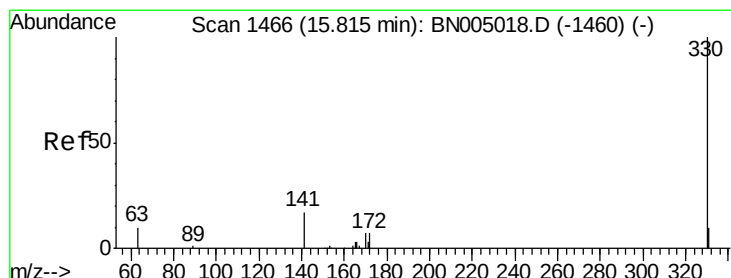
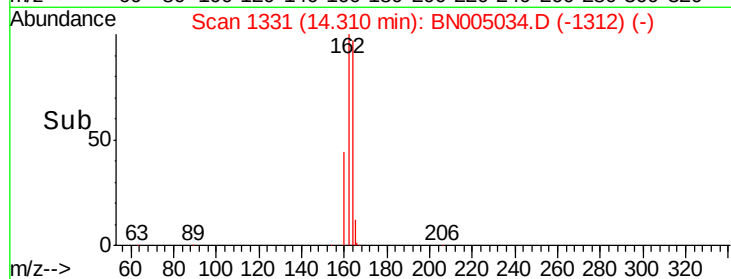
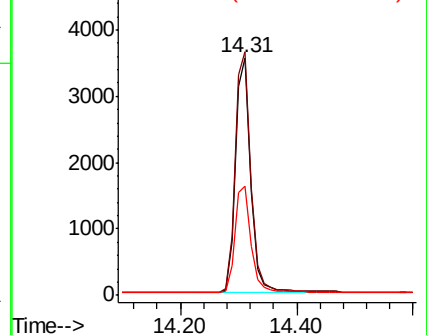
160 45.9 39.2 58.8



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: 0.323 ng

RT: 15.83 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

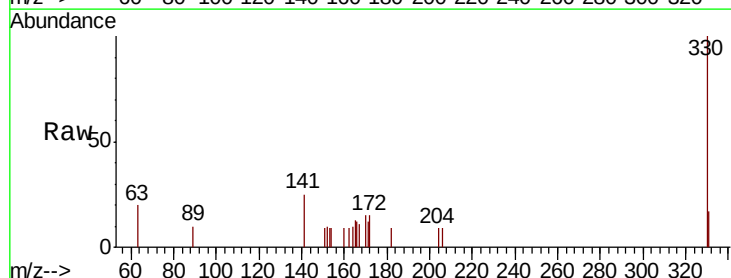
Tgt Ion:330 Resp: 1171

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

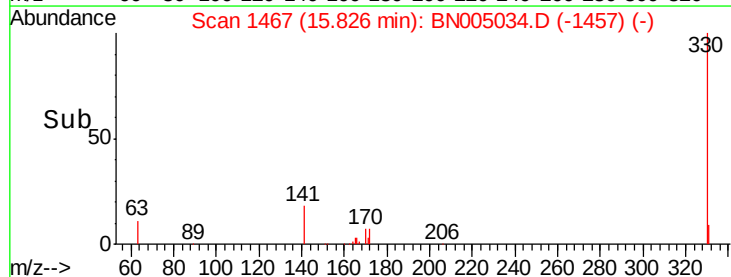
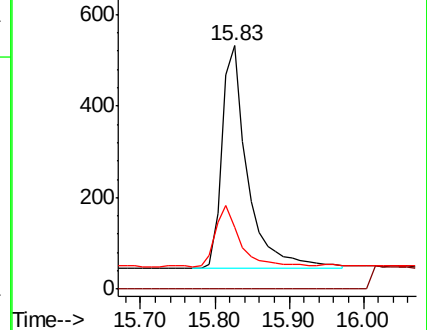
141 26.0 21.3 31.9

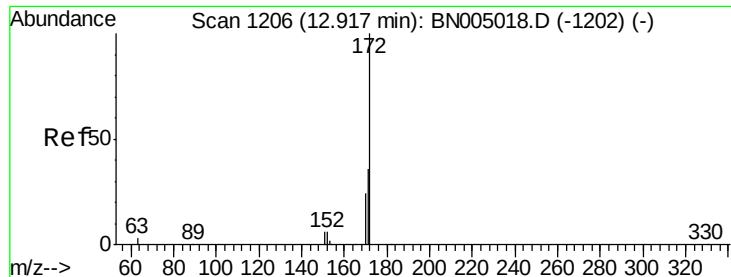


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

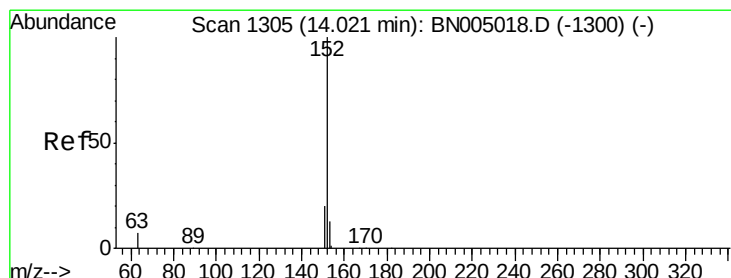
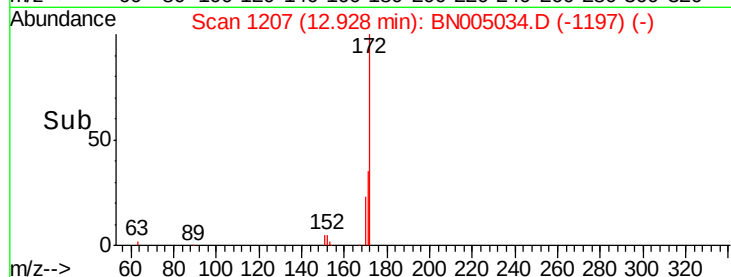
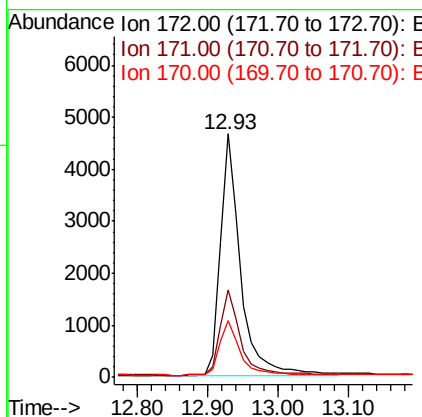
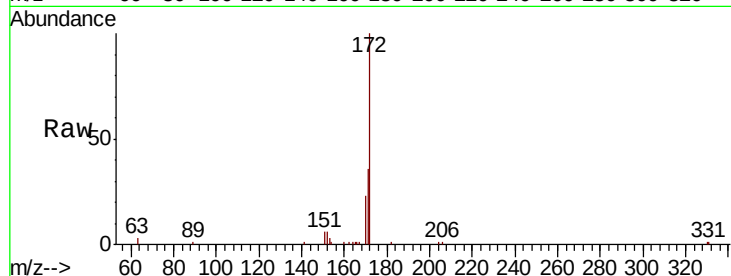




#15
2-Fluorobiphenyl
Concen: 0.383 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

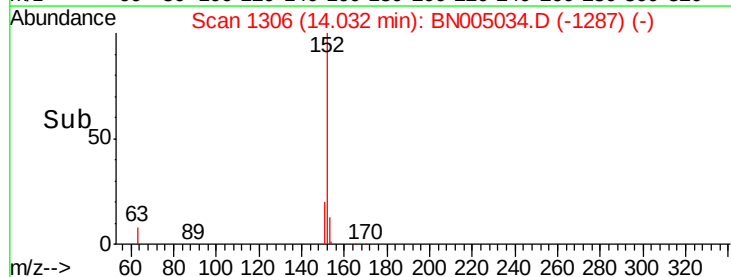
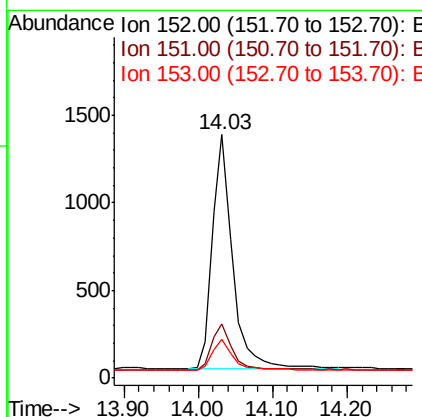
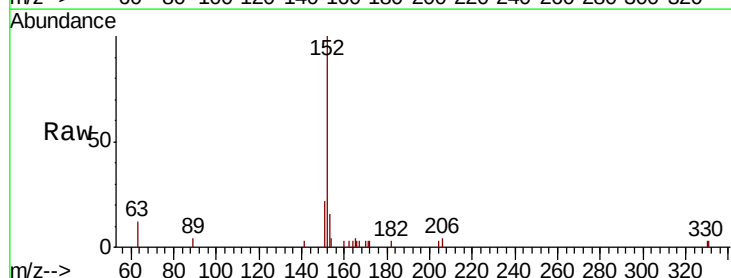
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

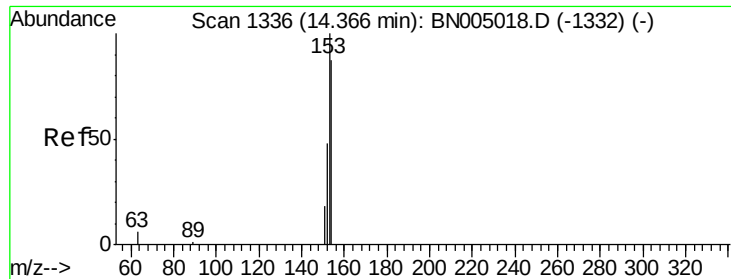
Tgt Ion:172 Resp: 9338
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 23.5 20.0 30.0



#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.03 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BN005034.D
Acq: 29 Mar 2019 15:17

Tgt Ion:152 Resp: 2551
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 13.5 10.6 15.8





#17

Acenaphthene

Concen: 0.094 ng

RT: 14.37 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

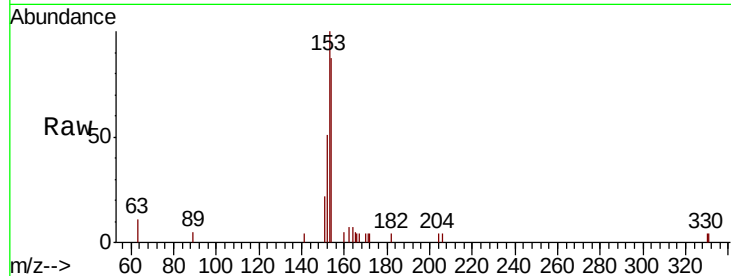
Tgt Ion:154 Resp: 1817

Ion Ratio Lower Upper

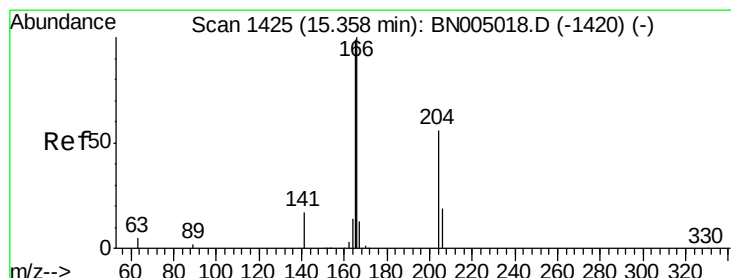
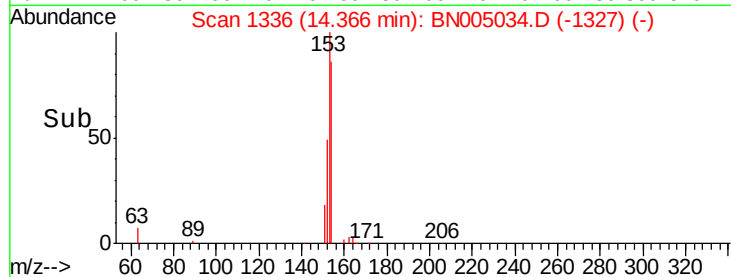
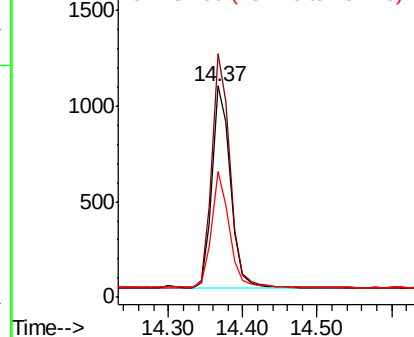
154 100

153 116.3 92.1 138.1

152 54.7 44.2 66.2



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: 0.093 ng

RT: 15.37 min Scan# 1426

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

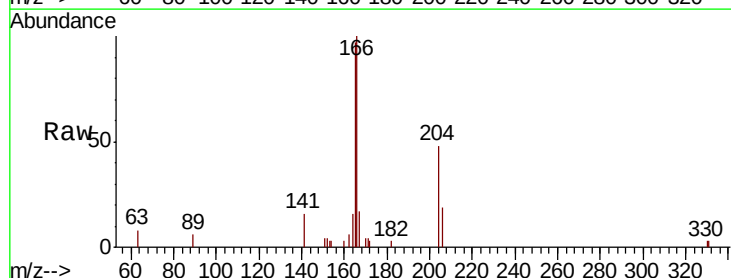
Tgt Ion:166 Resp: 2410

Ion Ratio Lower Upper

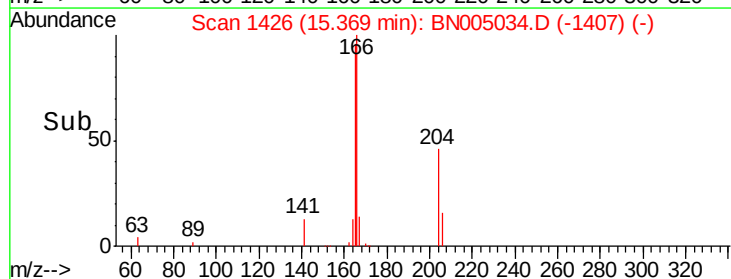
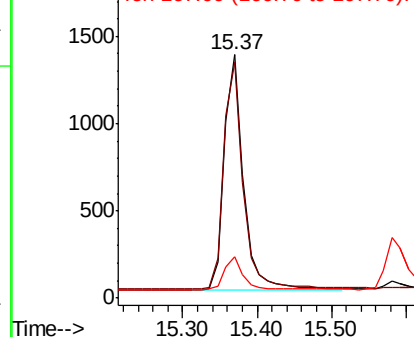
166 100

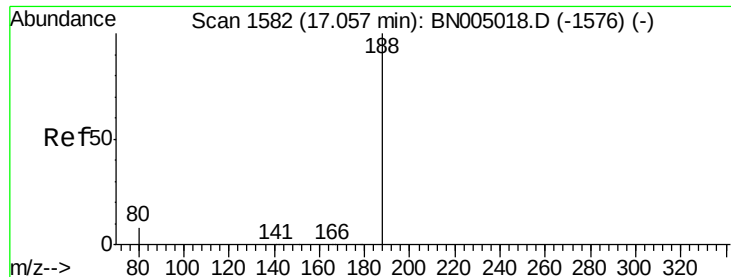
165 97.8 78.7 118.1

167 13.7 10.9 16.3



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: 17.07 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

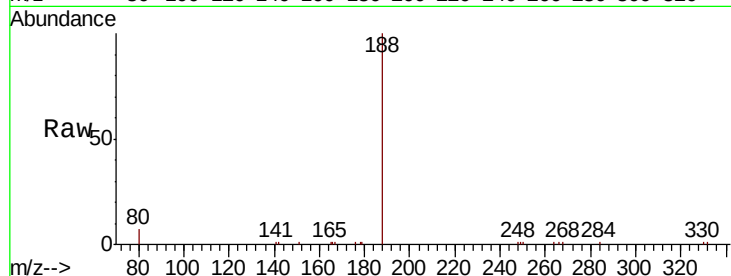
Tgt Ion:188 Resp: 16011

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

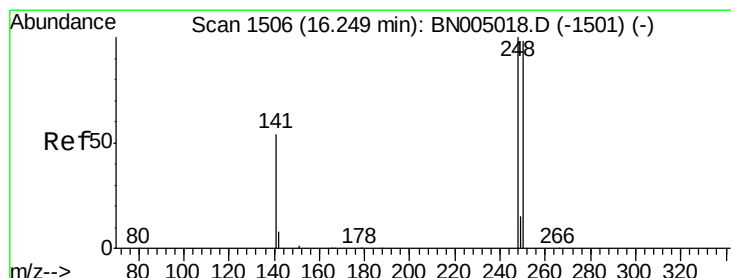
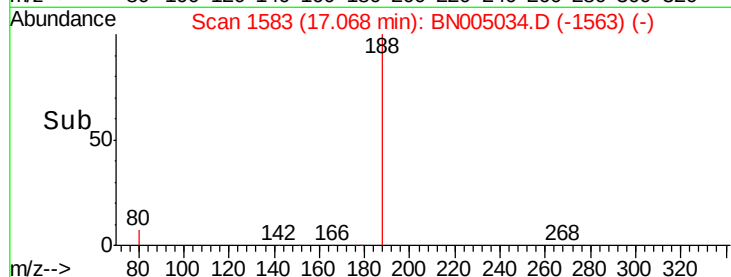
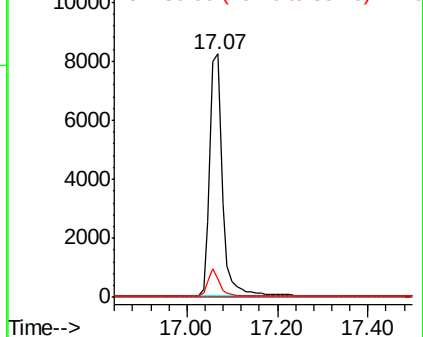
80 7.4 6.9 10.3



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: 0.089 ng

RT: 16.26 min Scan# 1507

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

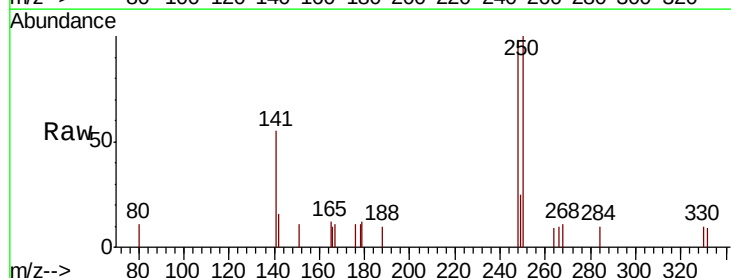
Tgt Ion:248 Resp: 820

Ion Ratio Lower Upper

248 100

250 101.9 78.6 117.8

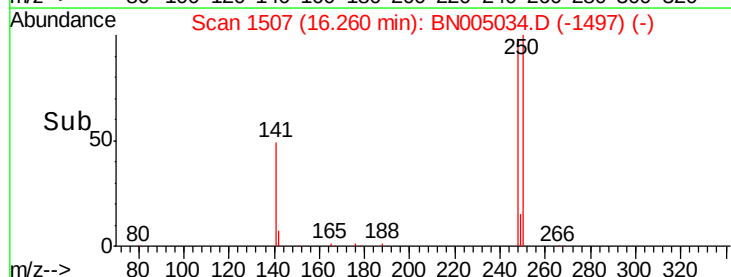
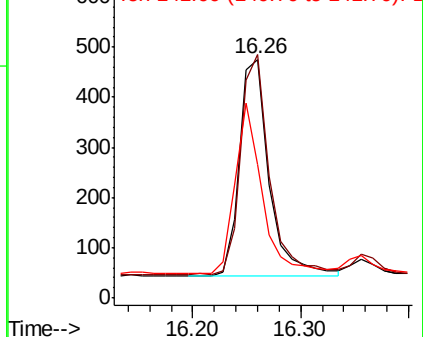
141 56.1 43.6 65.4

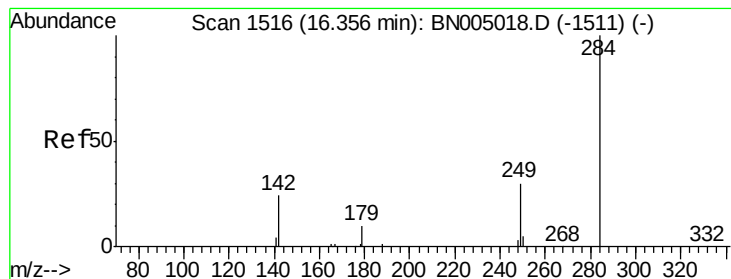


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.095 ng

RT: 16.37 min Scan# 1517

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

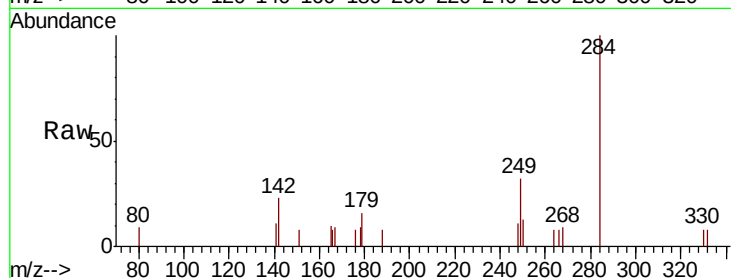
Tgt Ion:284 Resp: 958

Ion Ratio Lower Upper

284 100

142 31.8 24.9 37.3

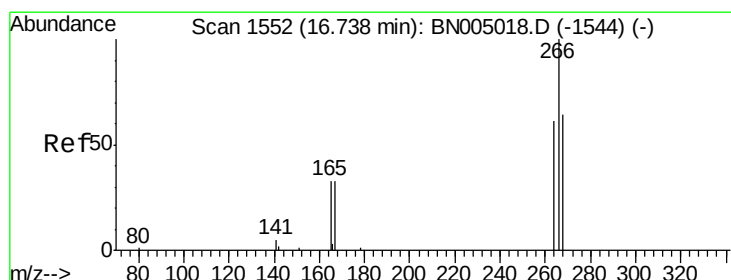
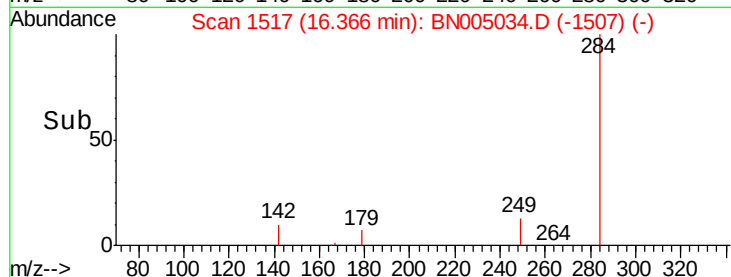
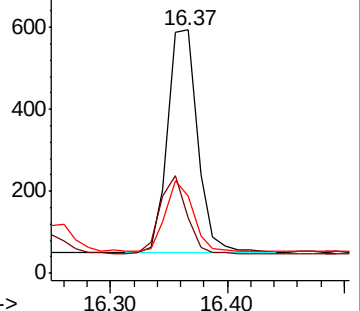
249 29.5 23.8 35.6



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: 0.118 ng

RT: 16.77 min Scan# 1555

Delta R.T. 0.03 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

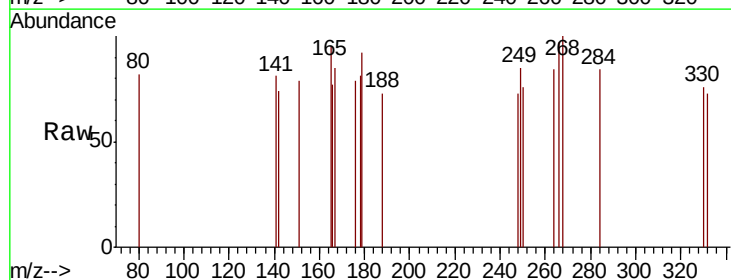
Tgt Ion:266 Resp: 57

Ion Ratio Lower Upper

266 100

264 86.7 53.4 80.0#

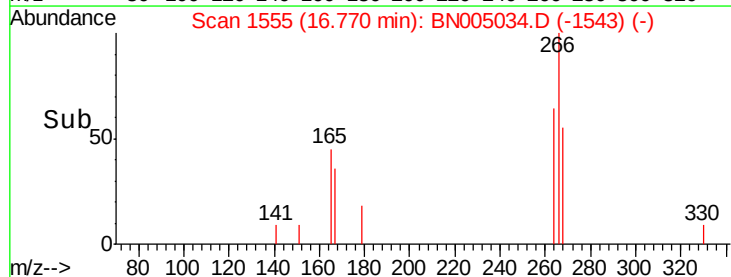
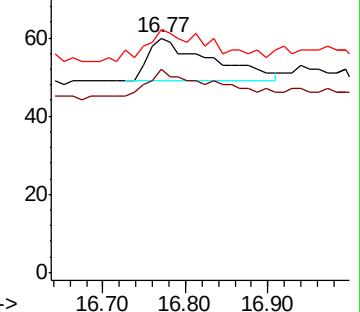
268 103.3 58.9 88.3#

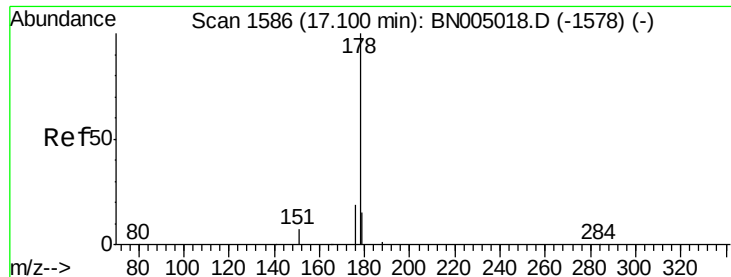


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.093 ng

RT: 17.10 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

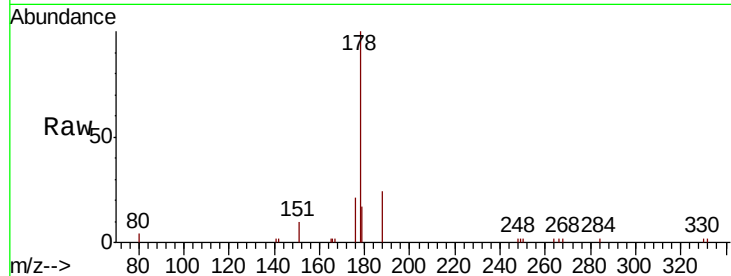
Tgt Ion:178 Resp: 4180

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

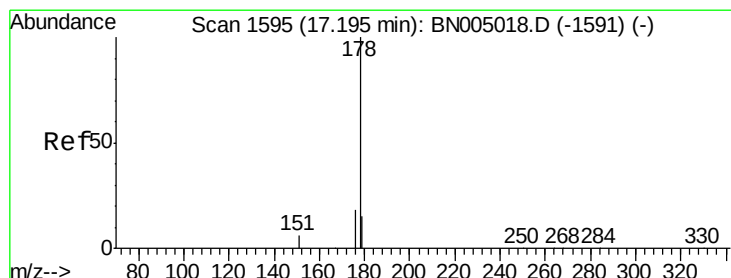
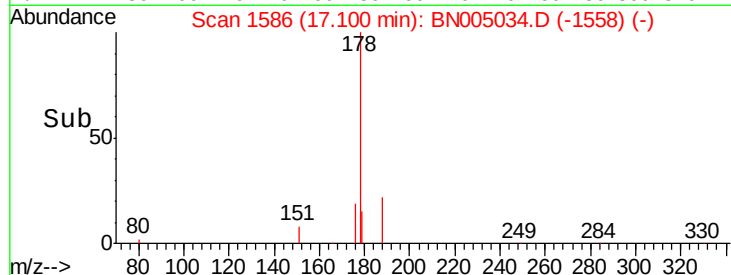
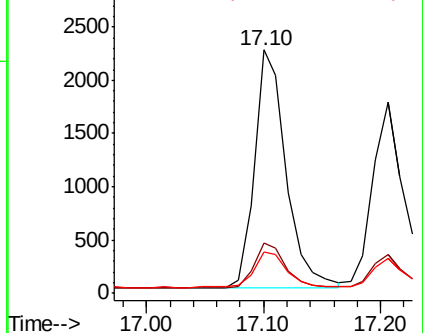
179 15.5 12.2 18.2



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: 0.085 ng

RT: 17.21 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

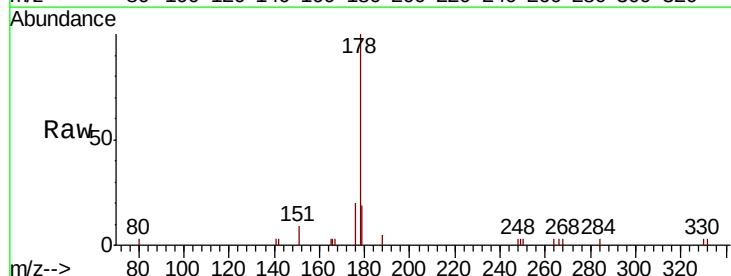
Tgt Ion:178 Resp: 3379

Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

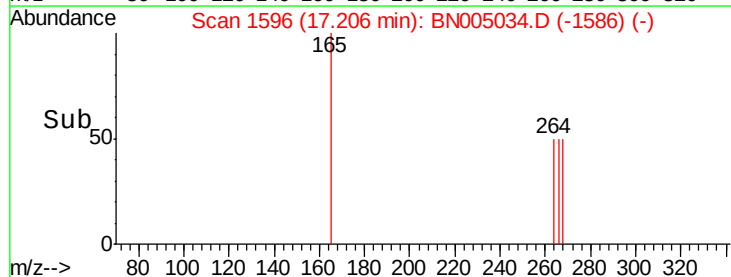
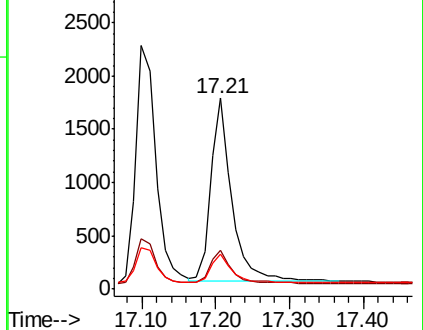
179 15.5 12.3 18.5

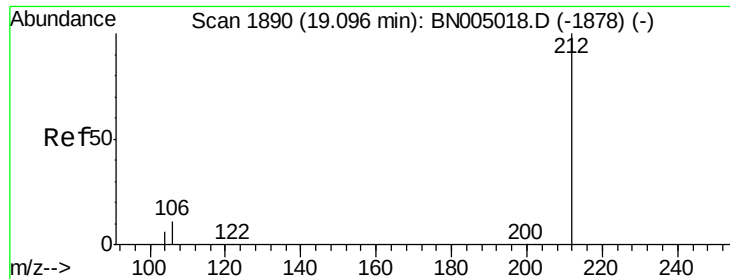


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.10 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

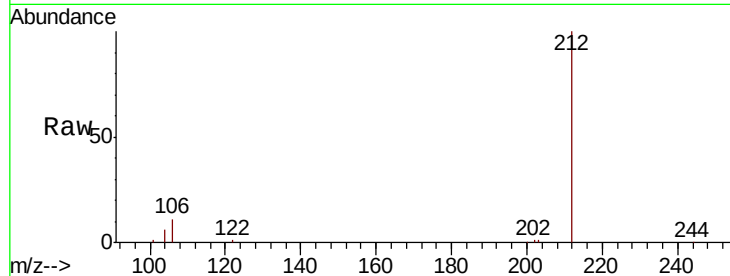
Tgt Ion:212 Resp: 16371

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.2

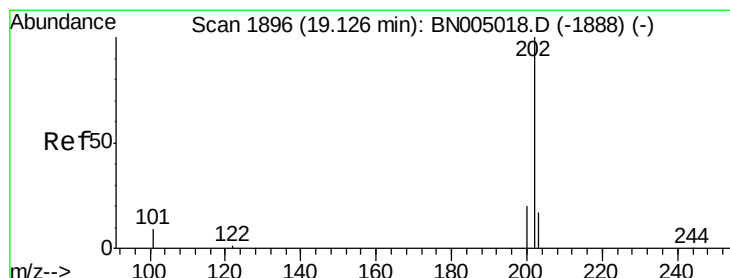
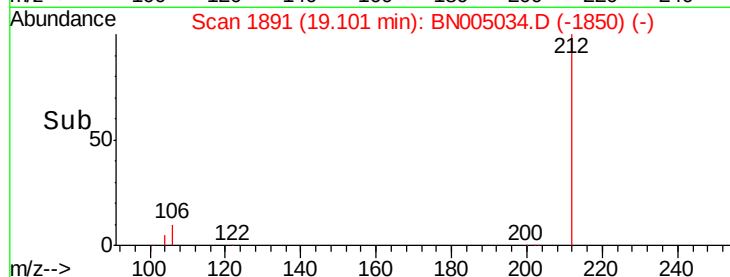
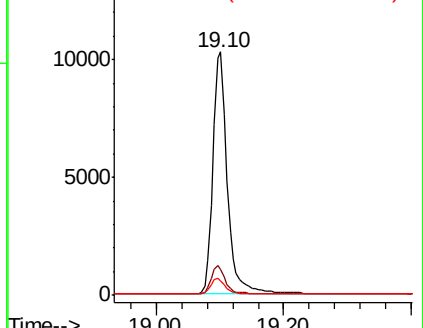
104 6.5 5.4 8.0



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: 0.096 ng

RT: 19.13 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

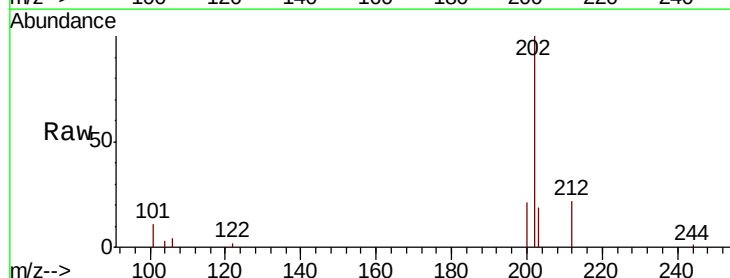
Tgt Ion:202 Resp: 5284

Ion Ratio Lower Upper

202 100

101 10.3 8.2 12.2

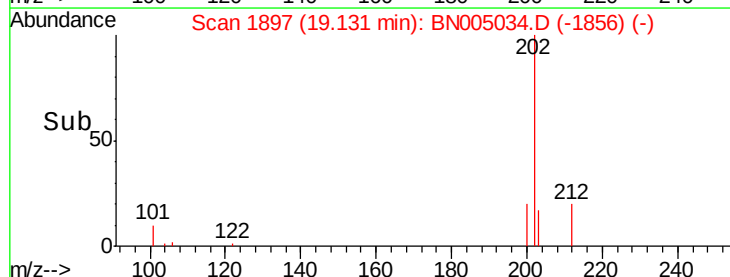
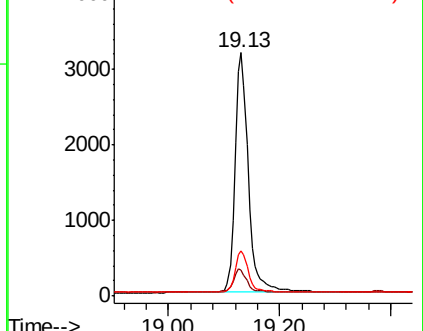
203 16.6 13.8 20.8

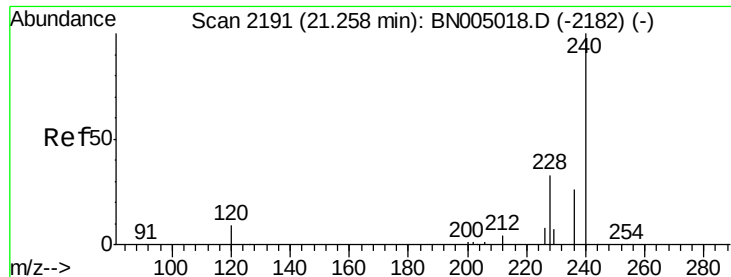


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.26 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

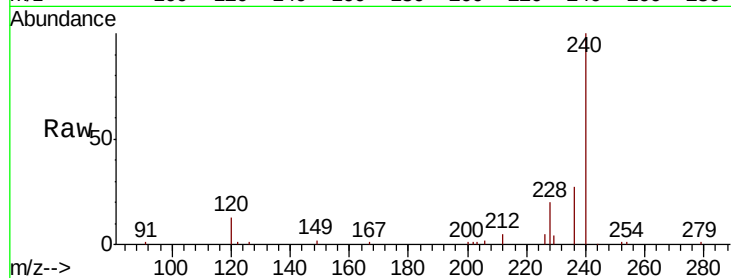
Tgt Ion:240 Resp: 17907

Ion Ratio Lower Upper

240 100

120 12.6 7.4 11.0#

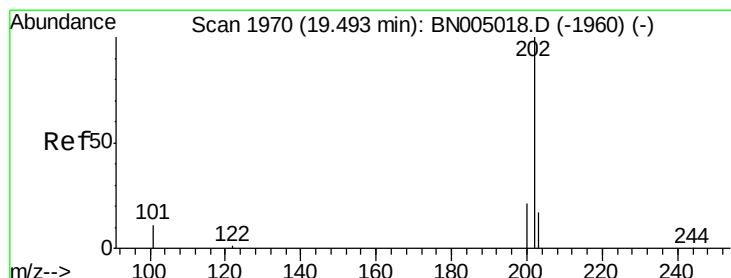
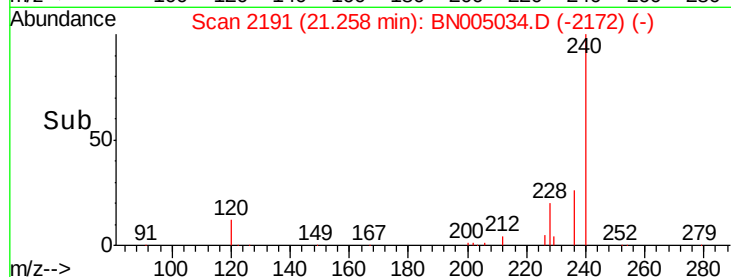
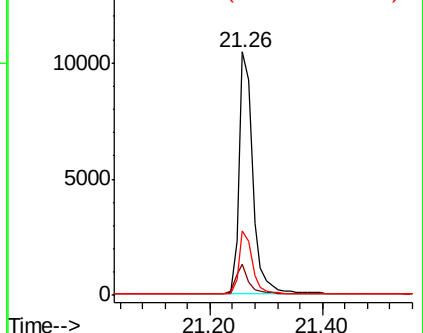
236 26.6 21.0 31.6



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: 0.102 ng

RT: 19.50 min Scan# 1971

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

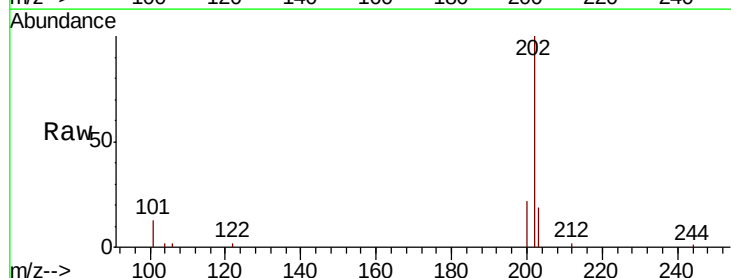
Tgt Ion:202 Resp: 5164

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

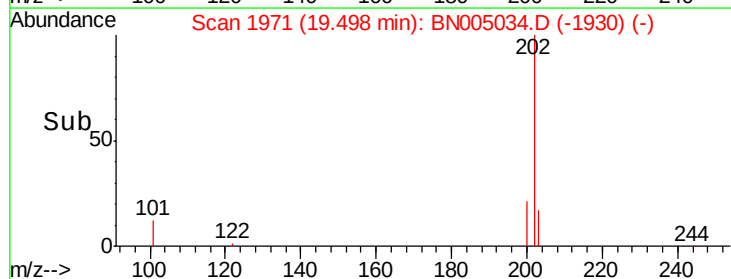
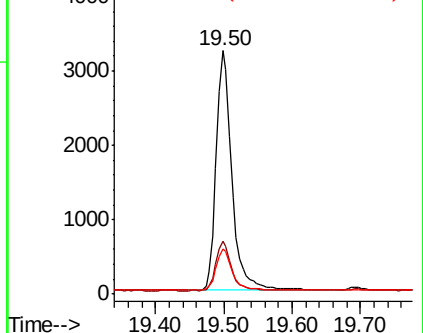
203 17.7 13.9 20.9

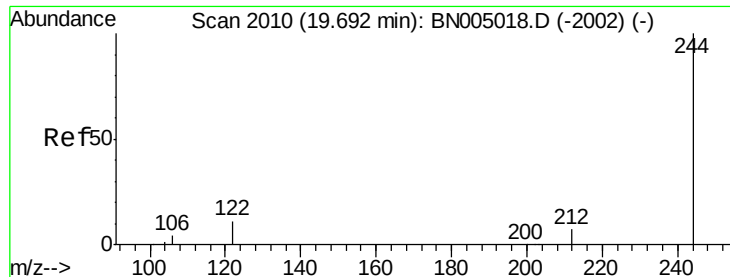


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

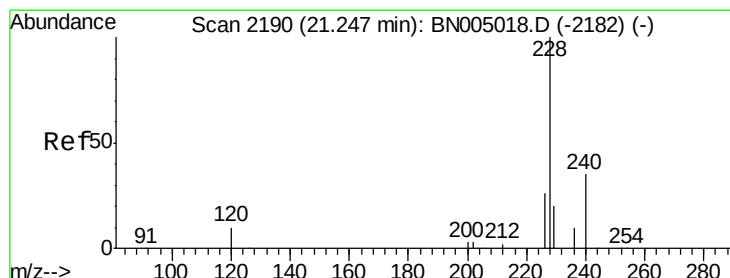
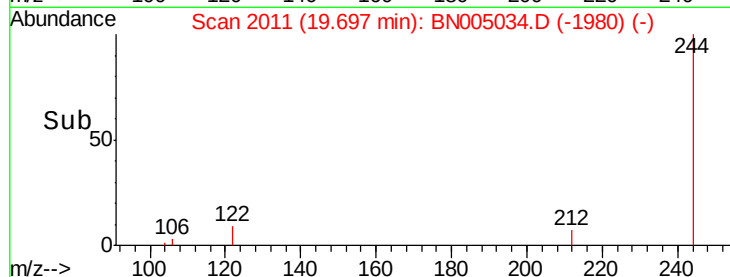
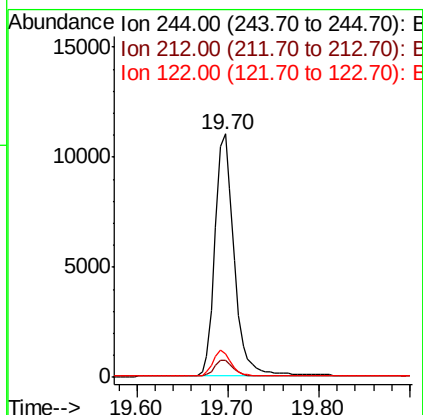
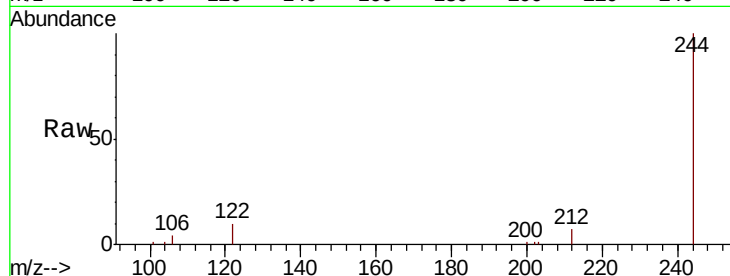




#29
 Terphenyl-d14
 Concen: 0.436 ng
 RT: 19.70 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BN005034.D
 Acq: 29 Mar 2019 15:17

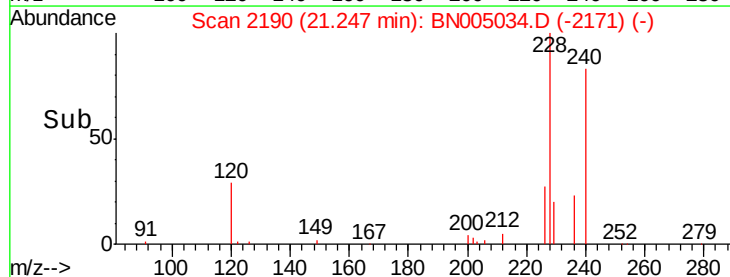
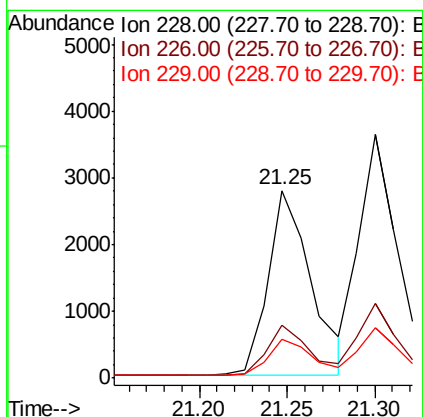
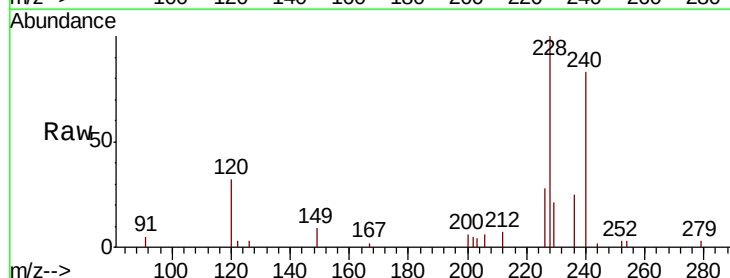
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

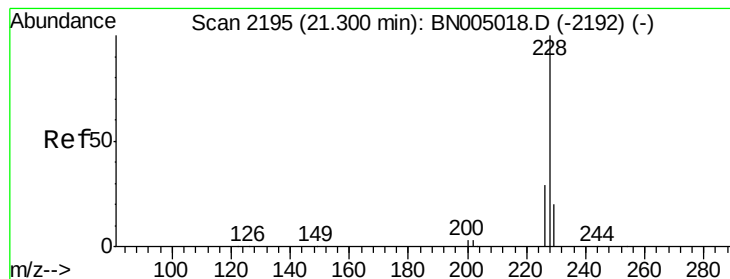
Tgt Ion:244 Resp: 16041
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.9 9.0 13.4



#30
 Benzo(a)anthracene
 Concen: 0.093 ng
 RT: 21.25 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: BN005034.D
 Acq: 29 Mar 2019 15:17

Tgt Ion:228 Resp: 4702
 Ion Ratio Lower Upper
 228 100
 226 28.4 20.9 31.3
 229 21.0 16.2 24.2





#31

Chrysene

Concen: 0.104 ng

RT: 21.30 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

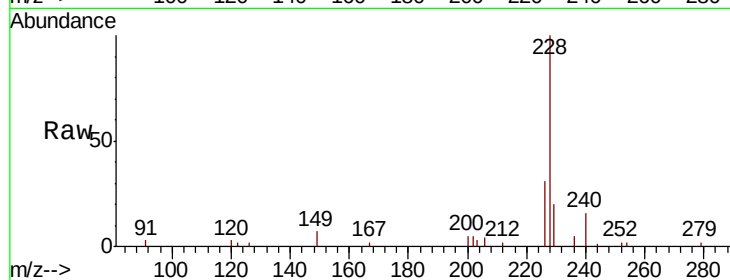
Tgt Ion:228 Resp: 5641

Ion Ratio Lower Upper

228 100

226 30.6 22.8 34.2

229 20.4 16.2 24.4

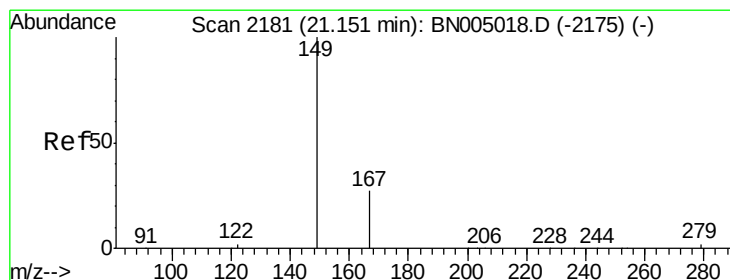
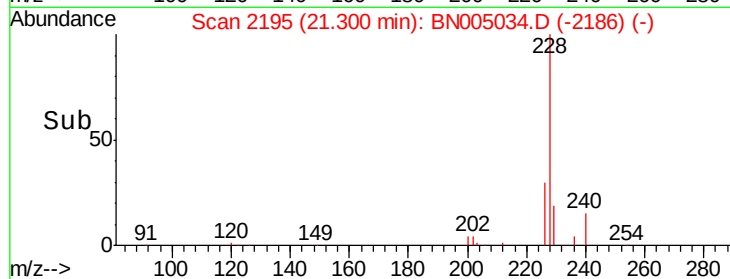
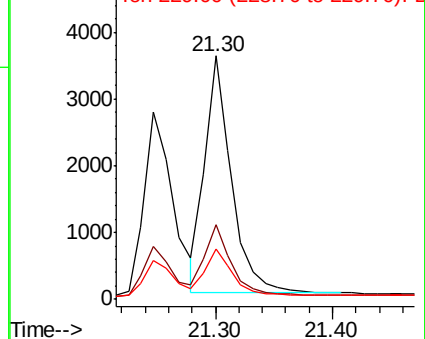


Abundance

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: 0.094 ng

RT: 21.15 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

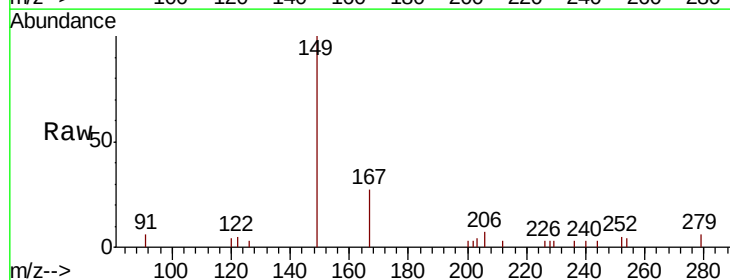
Tgt Ion:149 Resp: 1996

Ion Ratio Lower Upper

149 100

167 26.4 22.2 33.4

279 5.7 4.2 6.4

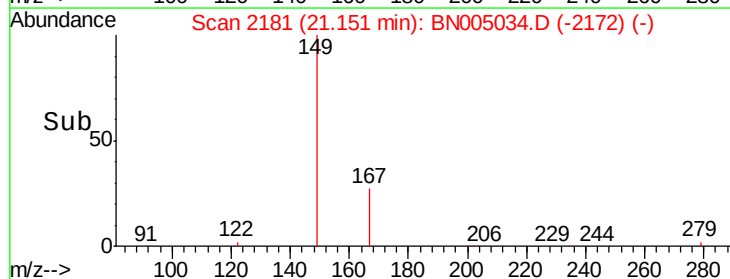
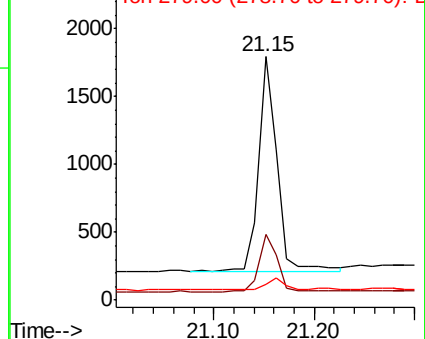


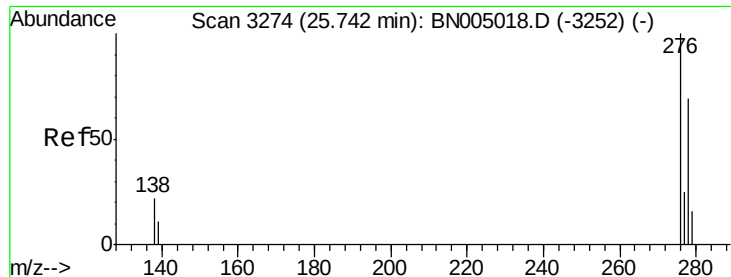
Abundance

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: 0.093 ng

RT: 25.76 min Scan# 3280

Delta R.T. 0.02 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

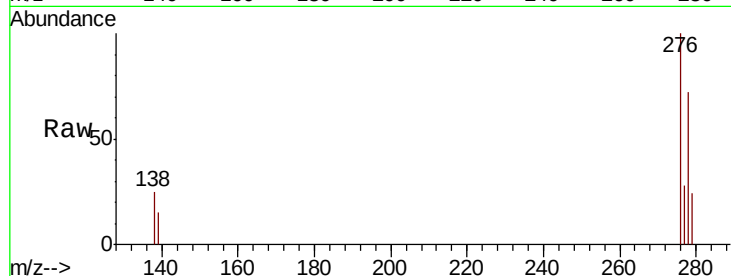
Tgt Ion: 276 Resp: 5684

Ion Ratio Lower Upper

276 100

138 21.9 18.2 27.2

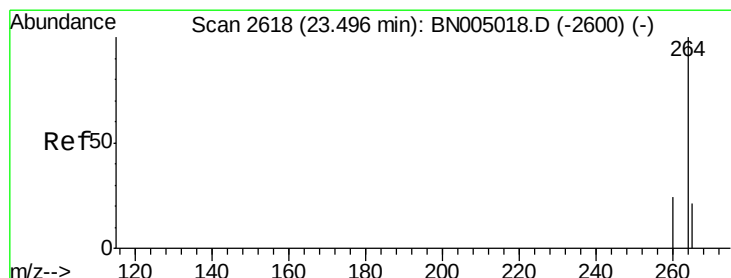
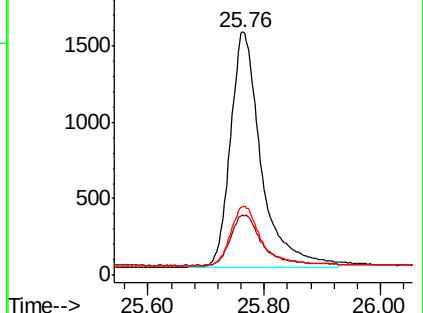
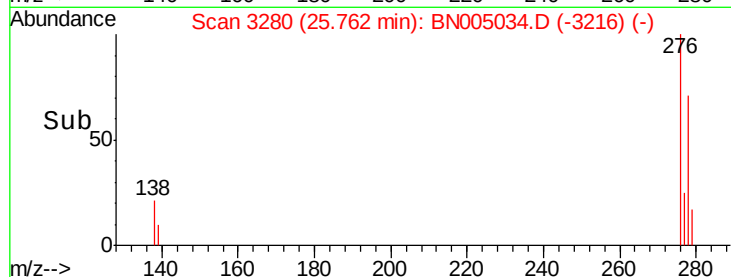
277 24.7 20.3 30.5



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: 23.50 min Scan# 2618

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

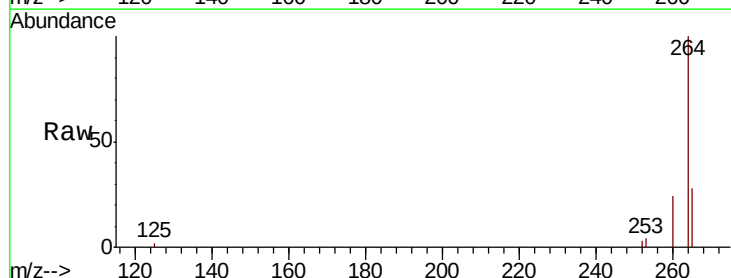
Tgt Ion: 264 Resp: 17704

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

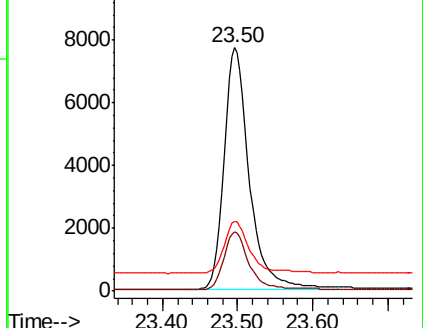
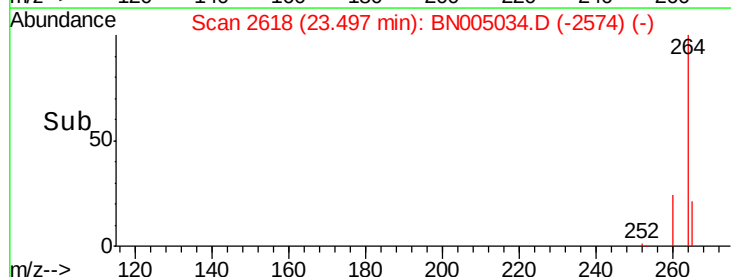
265 28.5 22.5 33.7

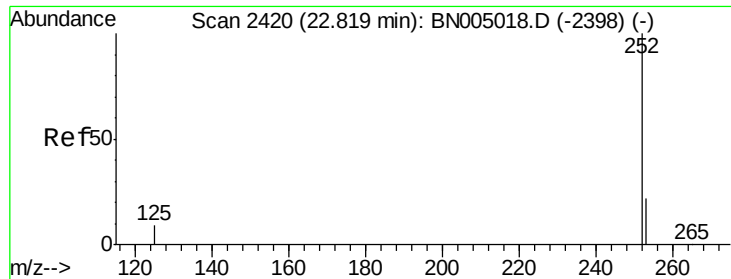


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.094 ng

RT: 22.83 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

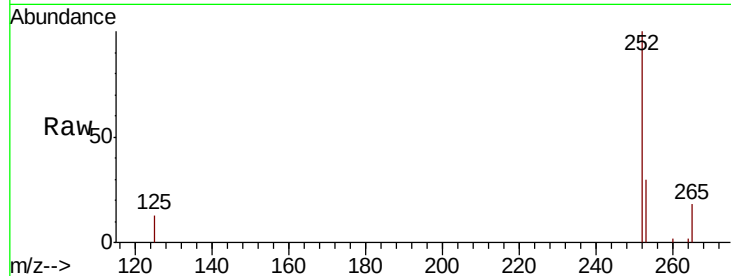
Tgt Ion:252 Resp: 5355

Ion Ratio Lower Upper

252 100

253 30.4 19.2 28.8#

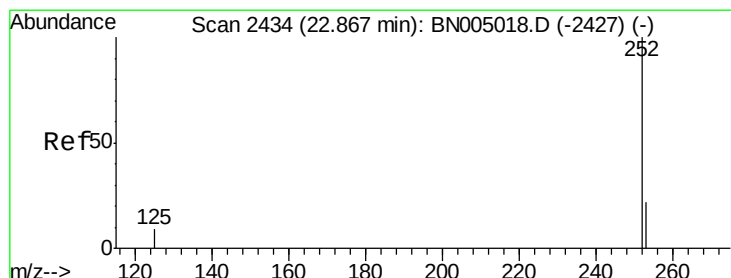
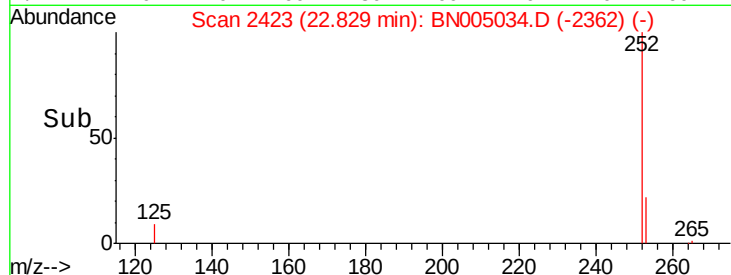
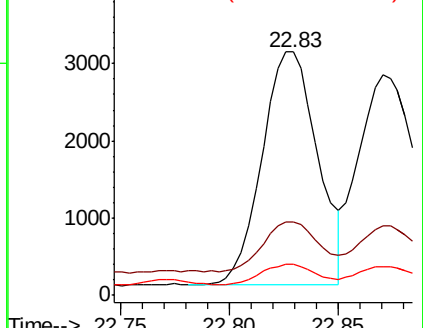
125 12.7 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.103 ng

RT: 22.87 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

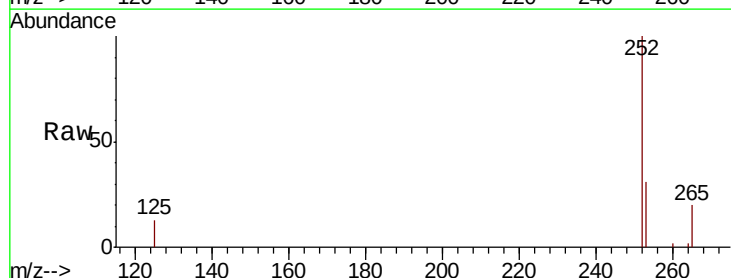
Tgt Ion:252 Resp: 5640

Ion Ratio Lower Upper

252 100

253 31.3 19.3 28.9#

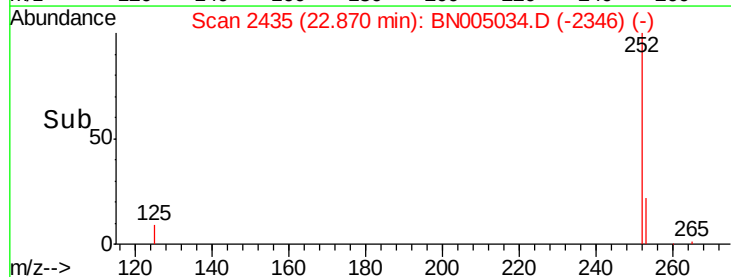
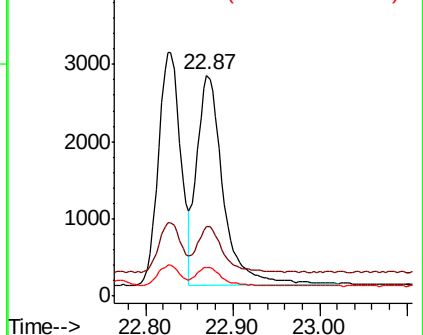
125 13.1 8.2 12.2#

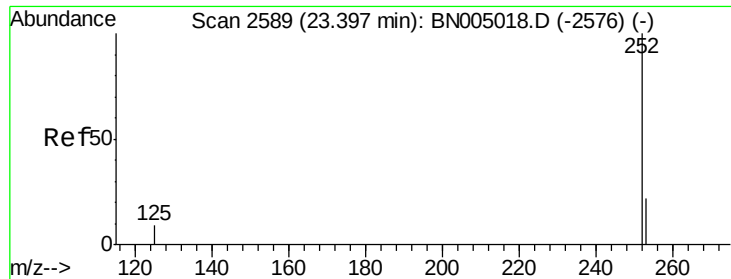


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.091 ng

RT: 23.40 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

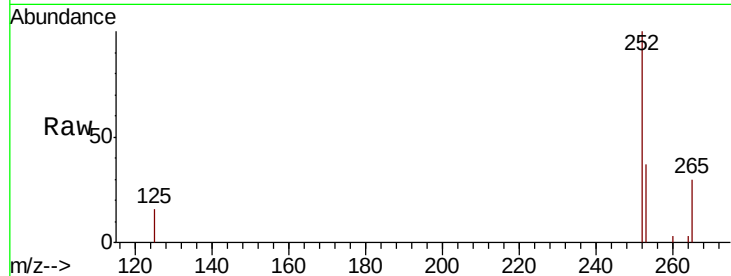
Tgt Ion:252 Resp: 4584

Ion Ratio Lower Upper

252 100

253 36.8 20.2 30.2#

125 16.2 9.2 13.8#

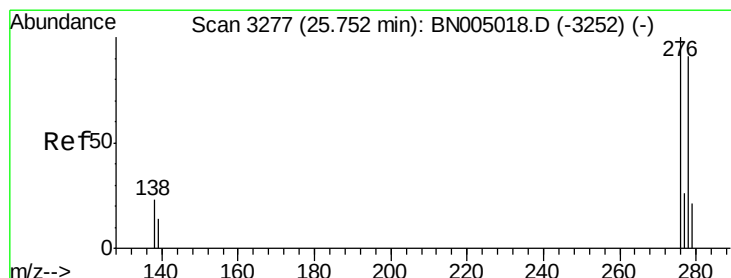
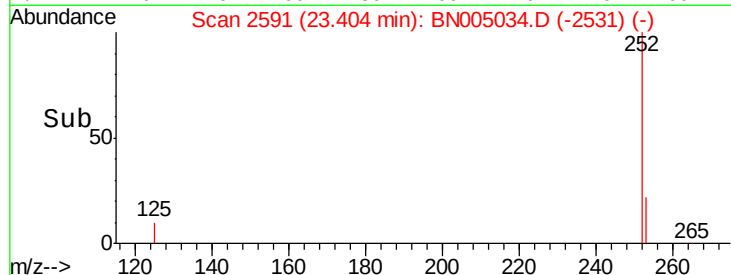
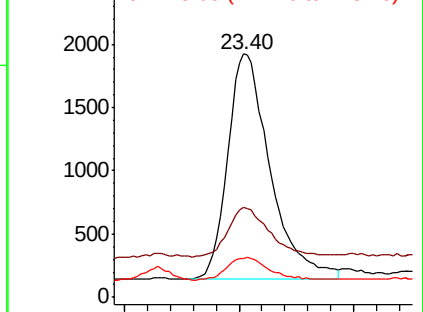


Abundance

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: 0.090 ng

RT: 25.77 min Scan# 3283

Delta R.T. 0.02 min

Lab File: BN005034.D

Acq: 29 Mar 2019 15:17

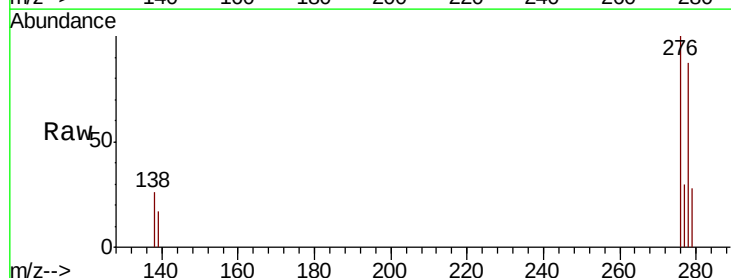
Tgt Ion:278 Resp: 4565

Ion Ratio Lower Upper

278 100

139 19.4 13.1 19.7

279 32.3 20.2 30.2#

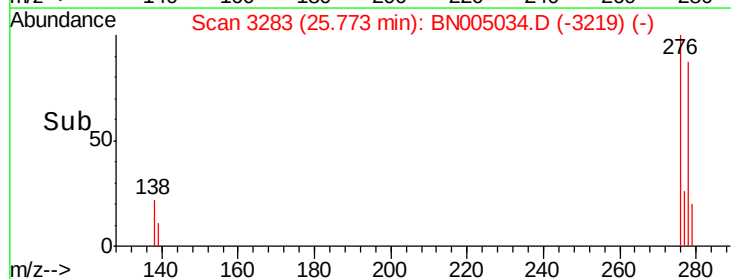
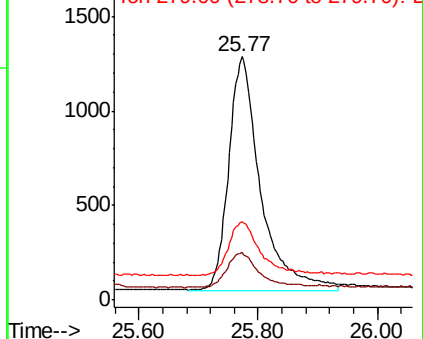


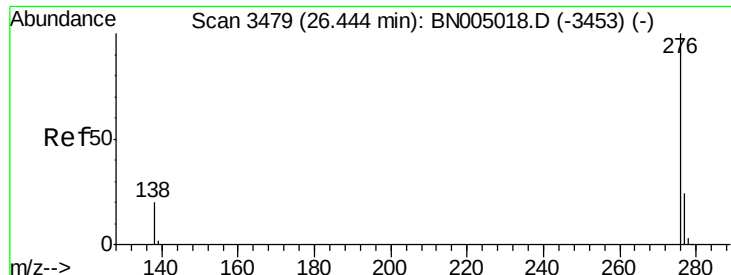
Abundance

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(g,h,i)perylene

Concen: 0.098 ng

RT: 26.45 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BN005034.D

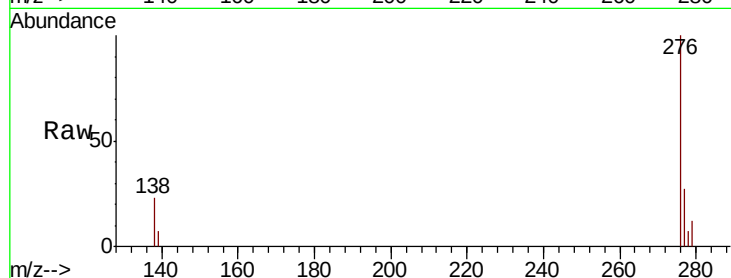
Acq: 29 Mar 2019 15:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019



Tgt Ion: 276 Resp: 4993

Ion Ratio Lower Upper

276 100

277 27.3 19.8 29.6

138 22.5 16.4 24.6

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

