

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071320\
 Data File : BN011152.D
 Acq On : 13 Jul 2020 12:26
 Operator : CG/JU
 Sample : PB130052BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 13 12:56:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 11:25:24 2020
 Response via : Initial Calibration

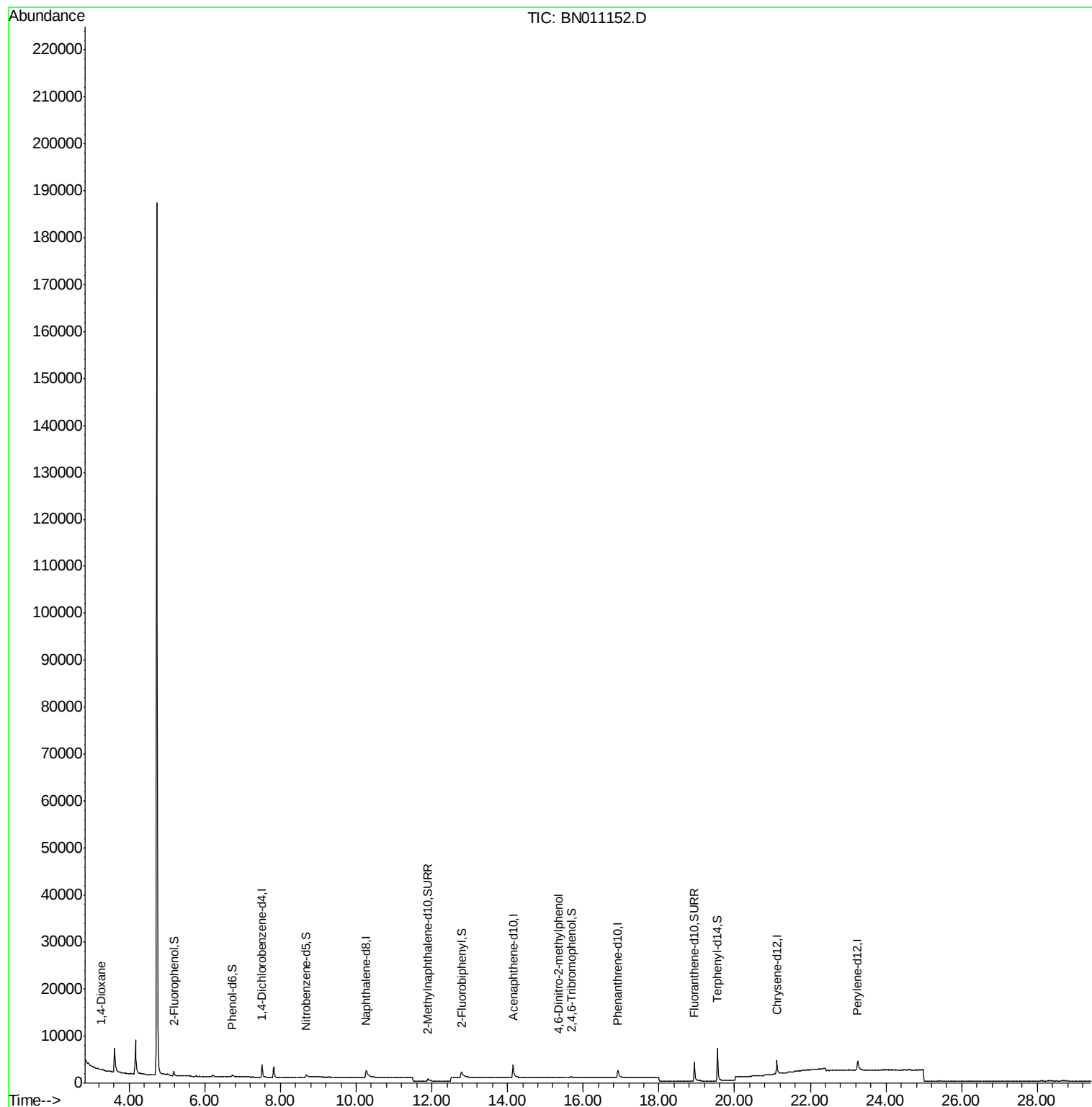
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	1679	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	4740	0.40	ng	0.01
13) Acenaphthene-d10	14.14	164	3006	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	5428	0.40	ng	0.02
29) Chrysene-d12	21.11	240	4585	0.40	ng	0.00
36) Perylene-d12	23.25	264	3926	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	1145	0.28	ng	0.00
5) Phenol-d6	6.73	99	1026	0.22	ng	0.00
8) Nitrobenzene-d5	8.68	82	1081	0.26	ng	0.03
11) 2-Methylnaphthalene-d10	11.89	152	1730	0.23	ng	0.04
14) 2,4,6-Tribromophenol	15.68	330	304	0.23	ng	0.04
15) 2-Fluorobiphenyl	12.79	172	2813	0.20	ng	0.04
27) Fluoranthene-d10	18.93	212	7384	0.43	ng	0.00
31) Terphenyl-d14	19.55	244	10447	0.88	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.27	88	68	0.028	ng	# 39
20) 4,6-Dinitro-2-methylphenol	15.35	198	5	0.138	ng	# 24
35) Indeno(1,2,3-cd)pyrene	25.33	276	1	Below Cal		# 1

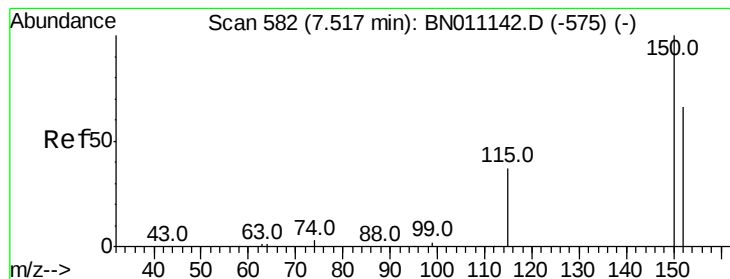
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071320\
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Quant Time: Jul 13 12:56:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 11:25:24 2020
Response via : Initial Calibration



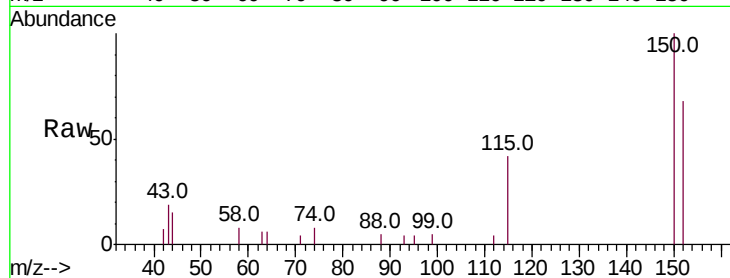


#1

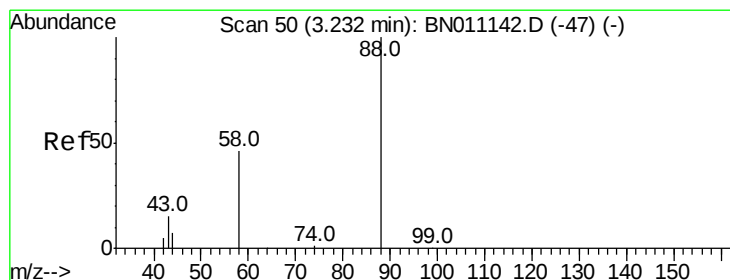
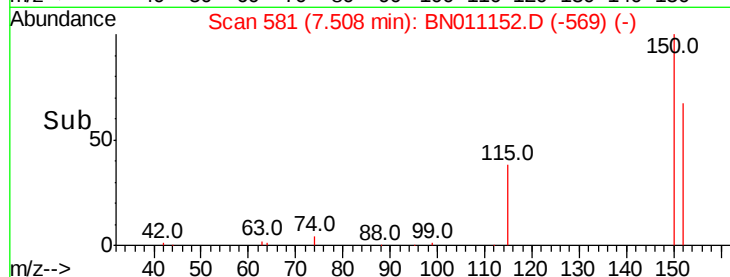
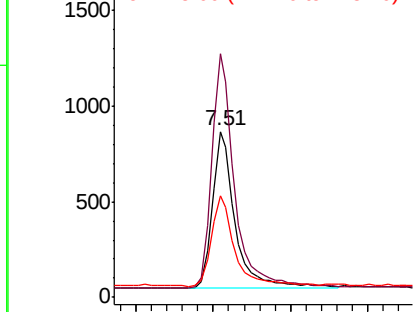
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.51 min Scan# 581
Delta R.T. -0.00 min
Lab File: BN011152.D
Acq: 13 Jul 2020 12:26

Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:152 Resp: 1679
Ion Ratio Lower Upper
152 100
150 147.0 119.4 179.0
115 61.1 48.3 72.5



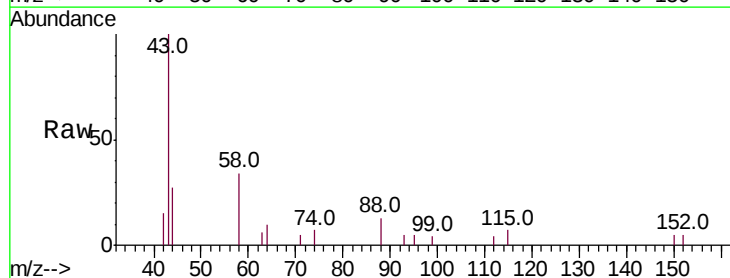
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



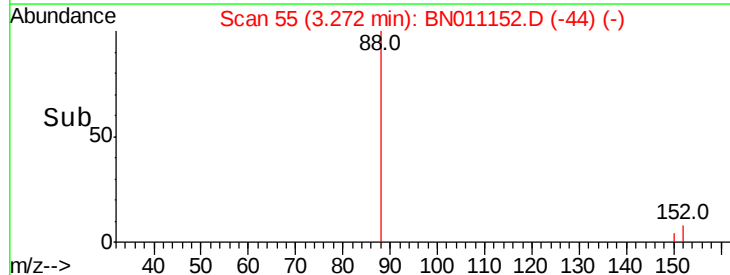
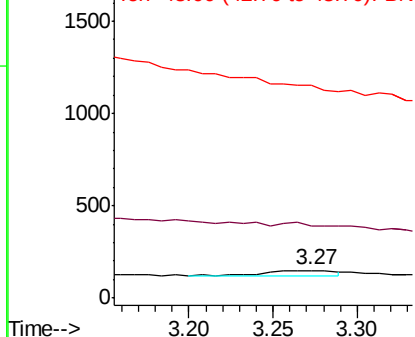
#2

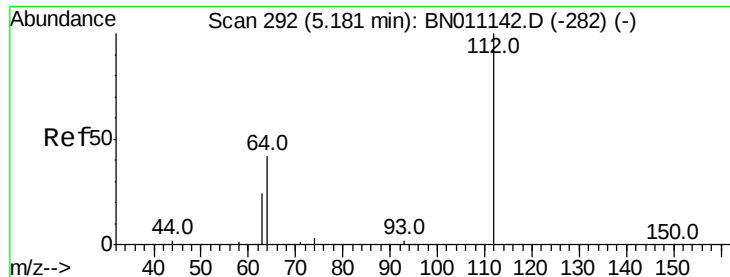
1,4-Dioxane
Concen: 0.028 ng
RT: 3.27 min Scan# 55
Delta R.T. 0.04 min
Lab File: BN011152.D
Acq: 13 Jul 2020 12:26

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
58 0.0 36.5 54.7#
43 0.0 14.3 21.5#



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





#4

2-Fluorophenol

Concen: 0.277 ng

RT: 5.18 min Scan# 292

Delta R.T. -0.00 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2020

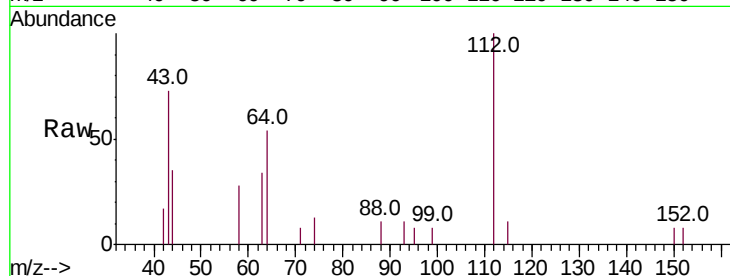
Tot Ion: 112 Resp: 1145

Ion Ratio Lower Upper

112 100

64 49.0 36.7 55.1

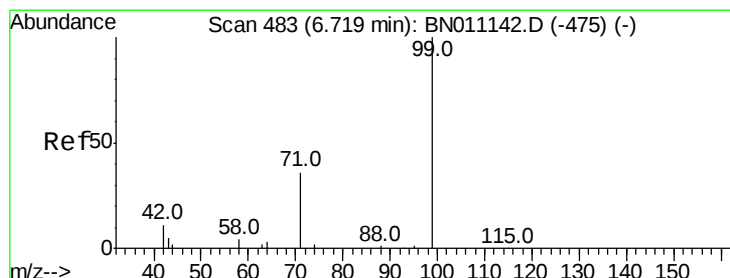
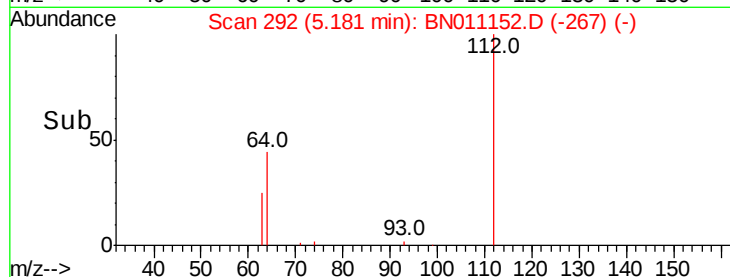
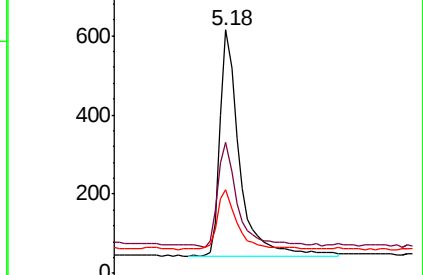
63 26.6 20.4 30.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.219 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

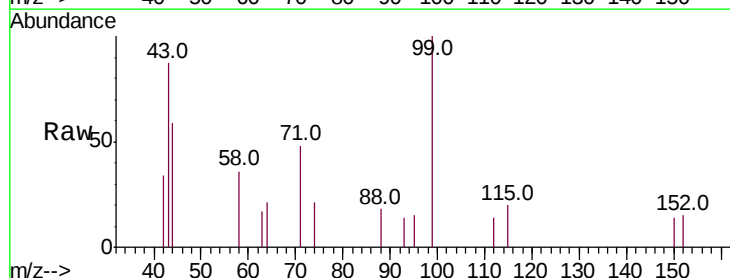
Tgt Ion: 99 Resp: 1026

Ion Ratio Lower Upper

99 100

42 11.2 10.8 16.2

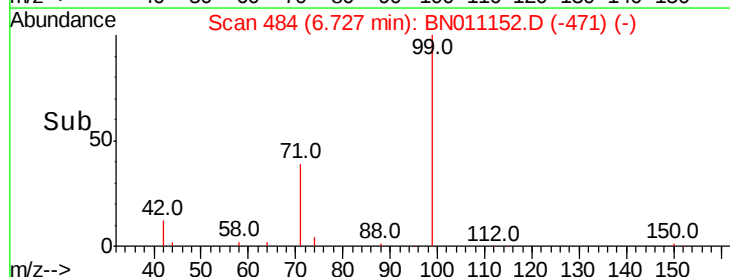
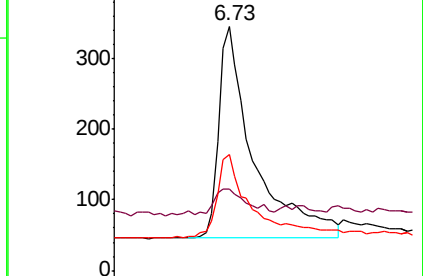
71 40.6 31.3 46.9

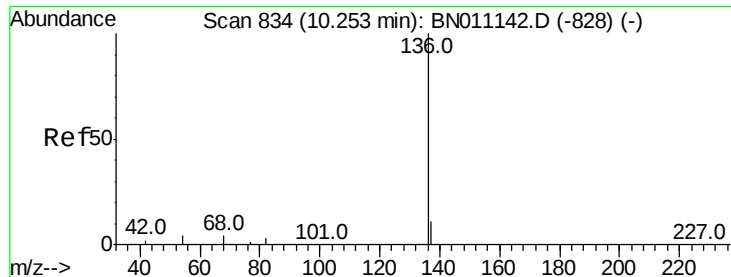


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. 0.01 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:136 Resp: 4740

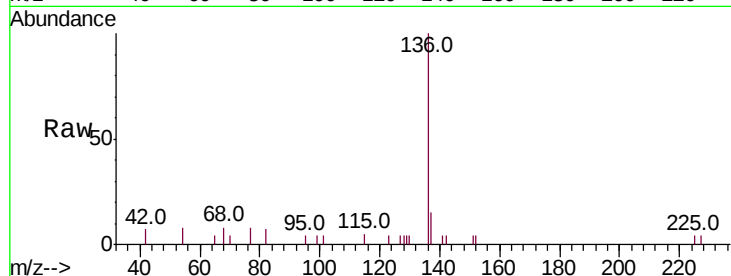
Ion Ratio Lower Upper

136 100

137 14.6 10.3 15.5

54 8.3 4.9 7.3#

68 8.1 4.9 7.3#

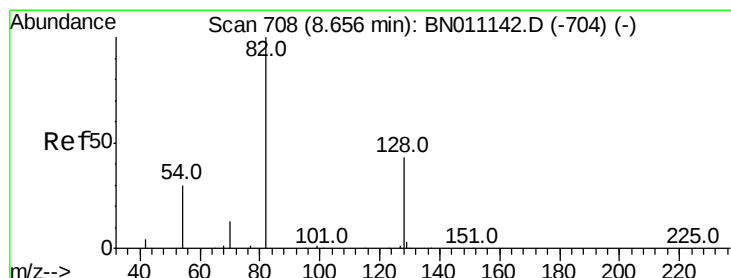
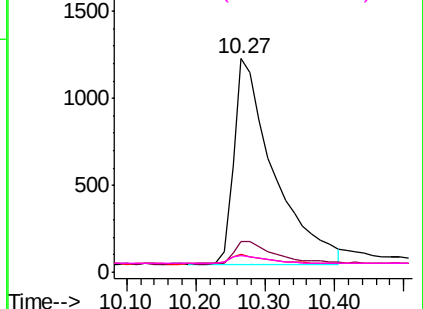
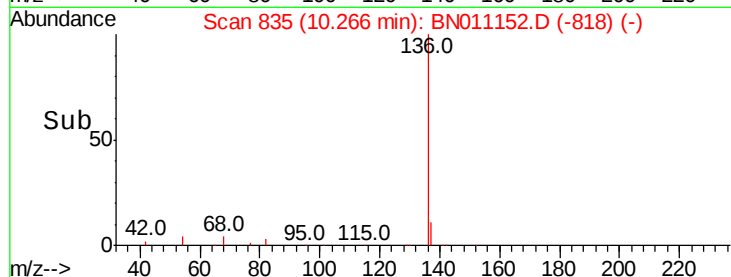


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.257 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.03 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

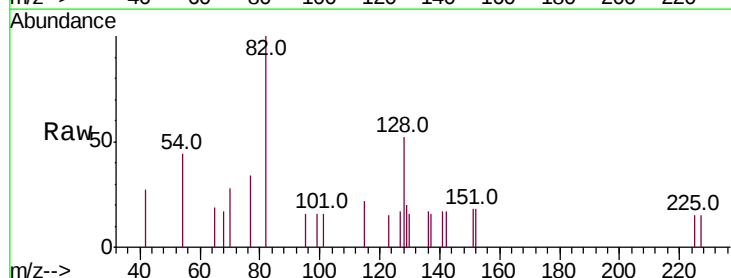
Tgt Ion: 82 Resp: 1081

Ion Ratio Lower Upper

82 100

128 52.4 38.1 57.1

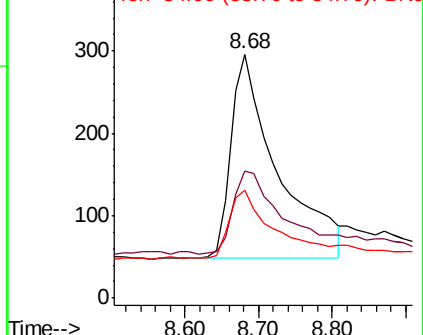
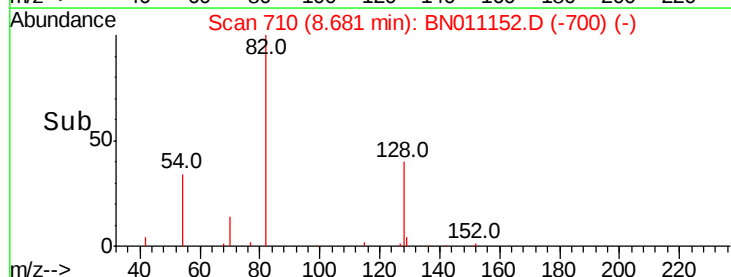
54 44.3 27.1 40.7#

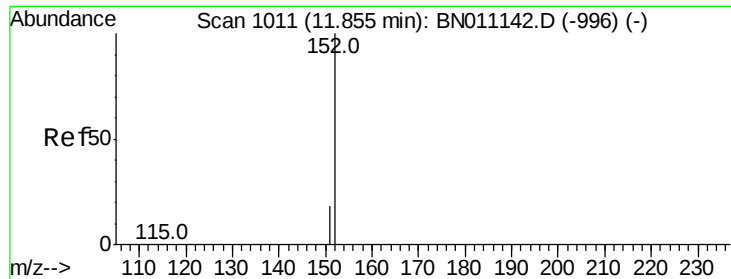


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

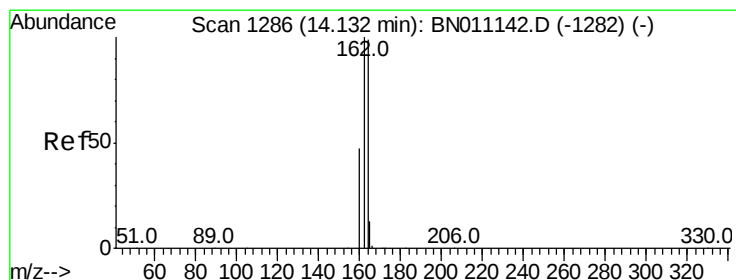
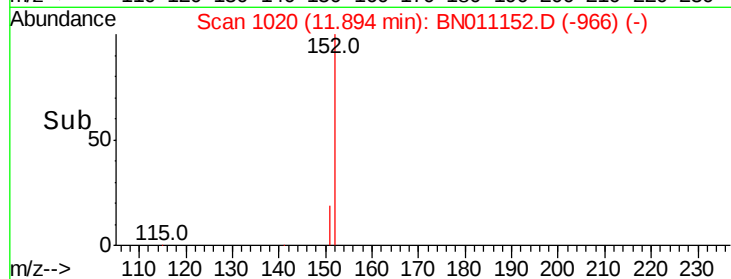
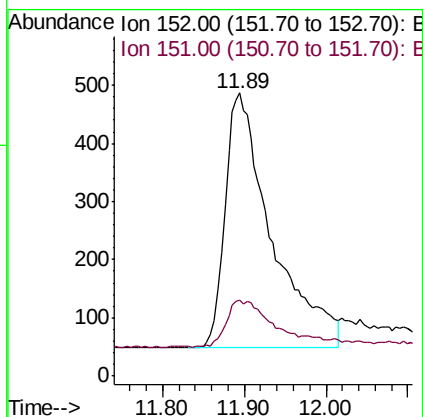
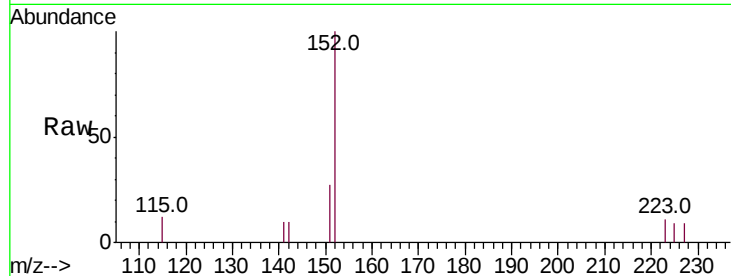




#11
2-Methylnaphthalene-d10
Concen: 0.225 ng
RT: 11.89 min Scan# 1020
Delta R.T. 0.04 min
Lab File: BN011152.D
Acq: 13 Jul 2020 12:26

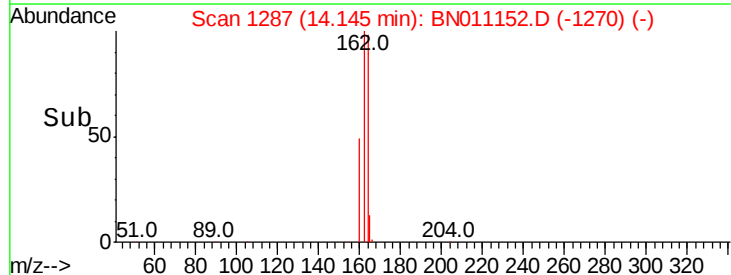
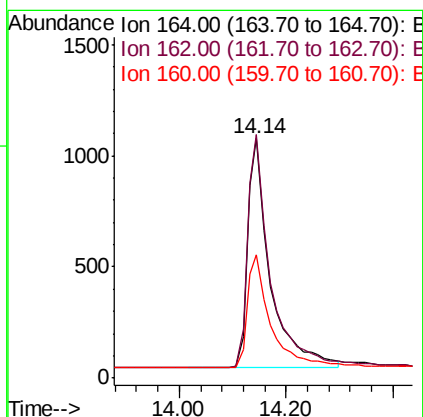
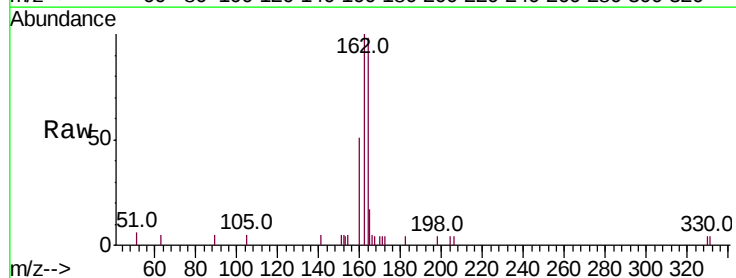
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT3-2020

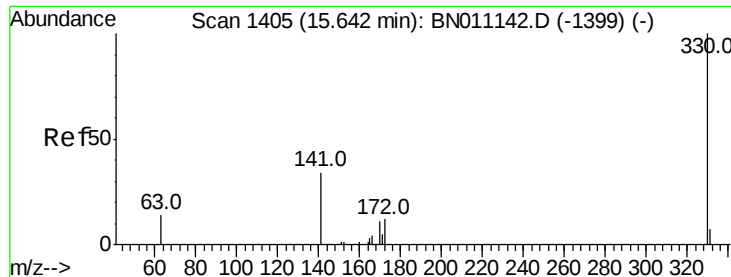
Tot Ion:152 Resp: 1730
Ion Ratio Lower Upper
152 100
151 17.5 16.5 24.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.14 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BN011152.D
Acq: 13 Jul 2020 12:26

Tgt Ion:164 Resp: 3006
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 51.7 39.0 58.6

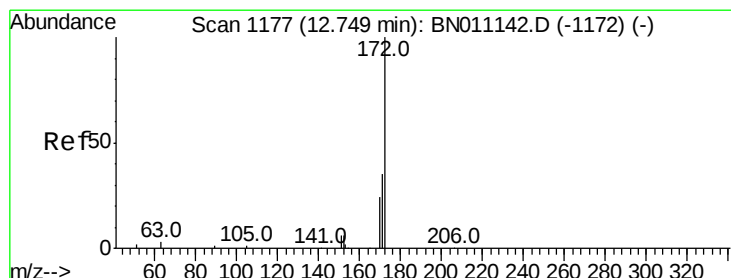
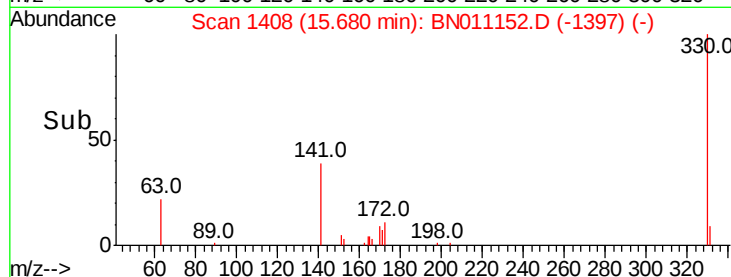
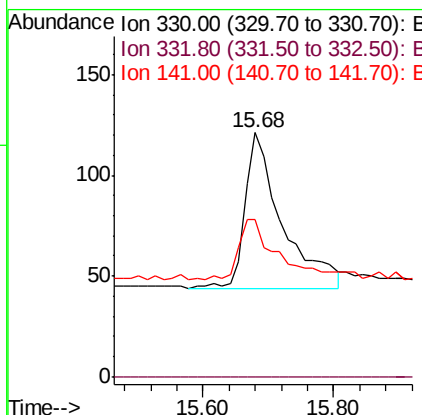
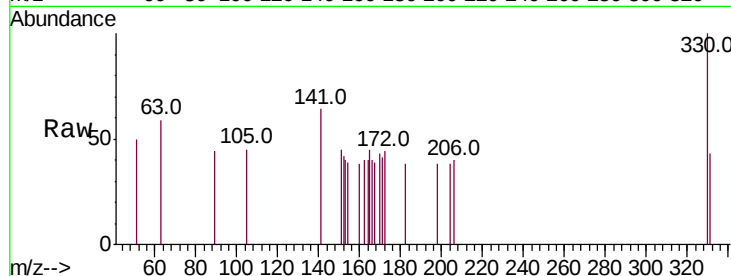




#14
 2,4,6-Tribromophenol
 Concen: 0.228 ng
 RT: 15.68 min Scan# 1408
 Delta R.T. 0.04 min
 Lab File: BN011152.D
 Acq: 13 Jul 2020 12:26

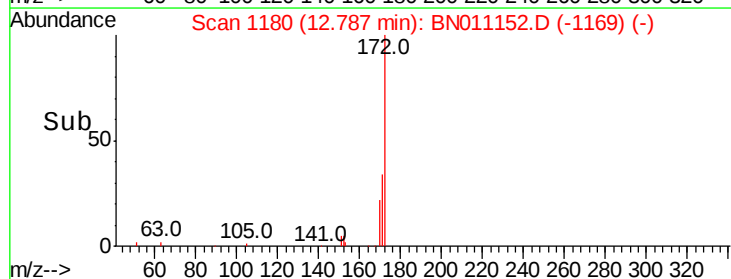
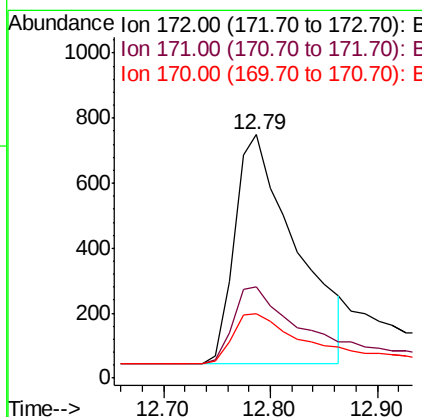
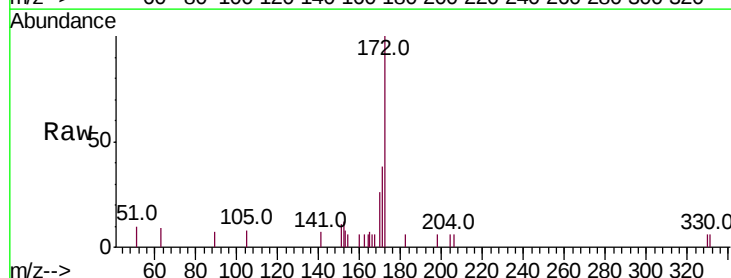
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

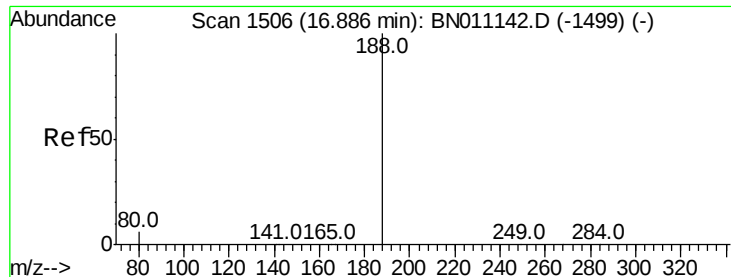
Tot Ion:330 Resp: 304
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 40.5 31.5 47.3



#15
 2-Fluorobiphenyl
 Concen: 0.200 ng
 RT: 12.79 min Scan# 1180
 Delta R.T. 0.04 min
 Lab File: BN011152.D
 Acq: 13 Jul 2020 12:26

Tgt Ion:172 Resp: 2813
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.0 43.6
 170 26.3 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.91 min Scan# 1508

Delta R.T. 0.02 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2020

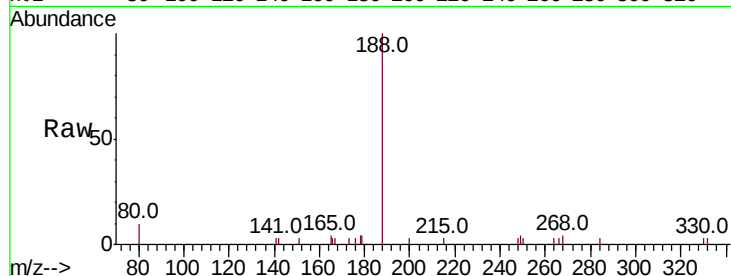
Tot Ion:188 Resp: 5428

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

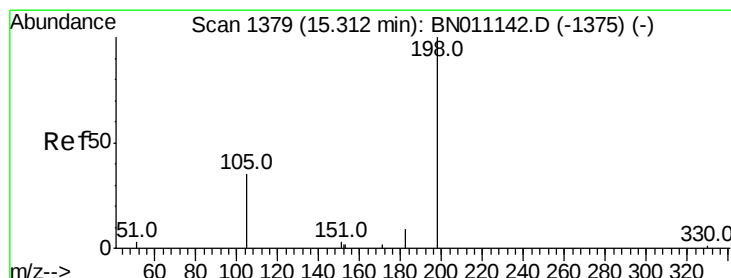
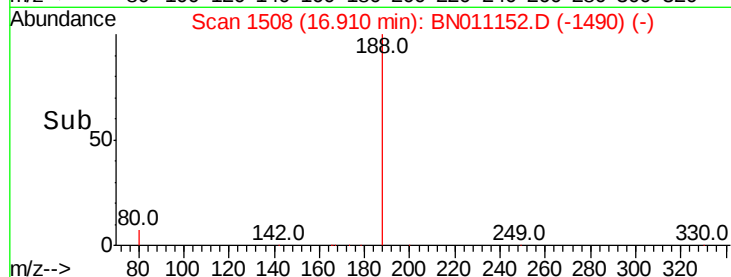
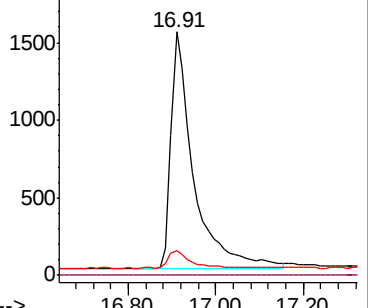
80 10.0 6.3 9.5#



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

4,6-Dinitro-2-methylphenol

Concen: 0.138 ng

RT: 15.35 min Scan# 1382

Delta R.T. 0.04 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

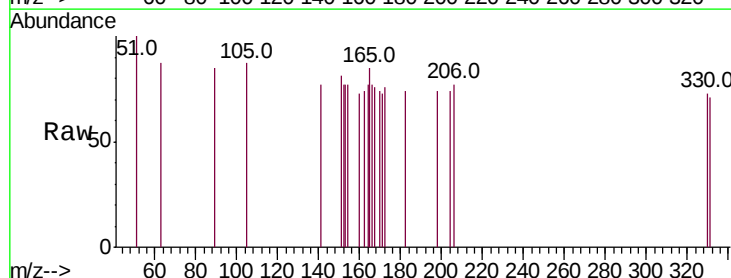
Tgt Ion:198 Resp: 5

Ion Ratio Lower Upper

198 100

51 134.8 53.1 79.7#

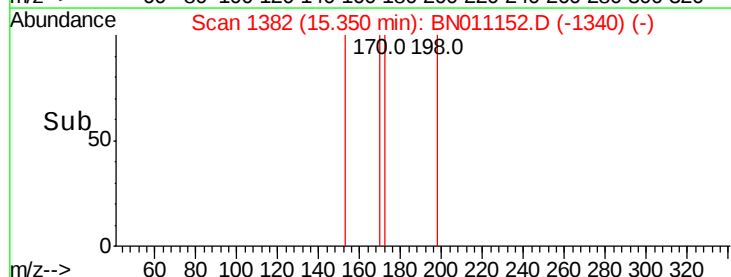
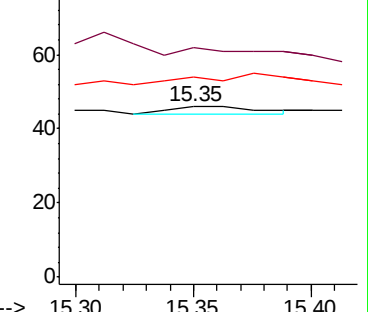
105 117.4 51.9 77.9#

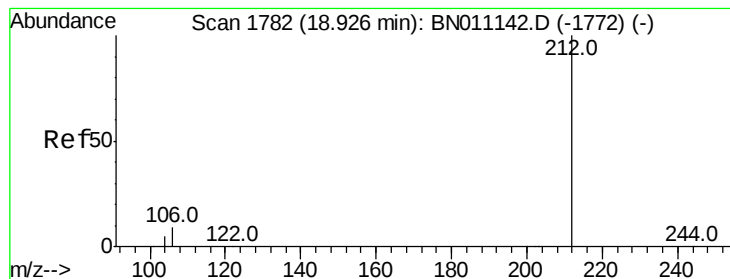


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E





#27

Fluoranthene-d10

Concen: 0.432 ng

RT: 18.93 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT3-2020

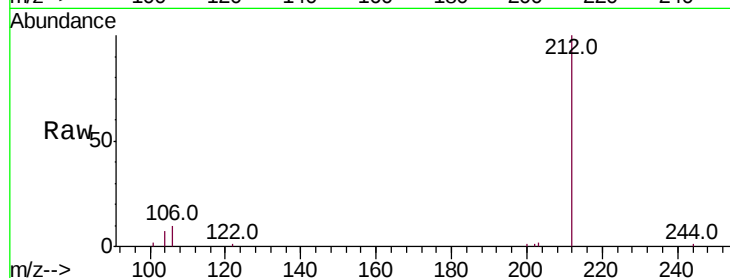
Tot Ion:212 Resp: 7384

Ion Ratio Lower Upper

212 100

106 8.6 7.0 10.6

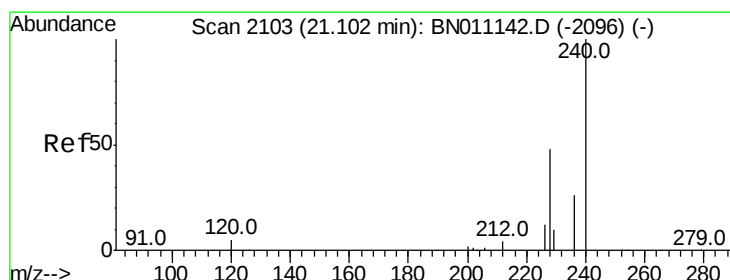
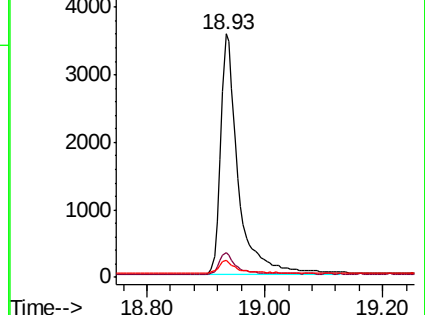
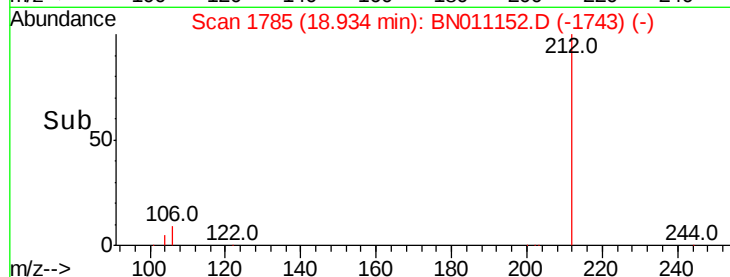
104 5.1 4.2 6.4



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



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

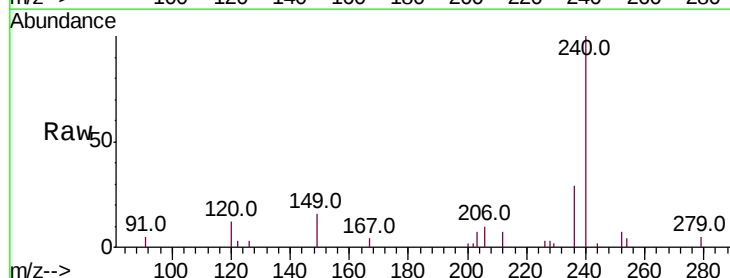
Tgt Ion:240 Resp: 4585

Ion Ratio Lower Upper

240 100

120 11.8 6.5 9.7#

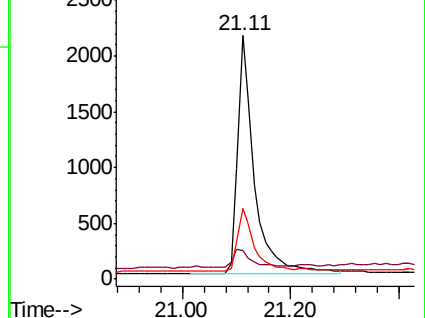
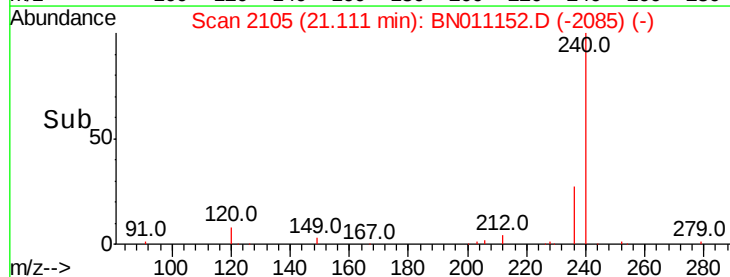
236 29.2 21.9 32.9

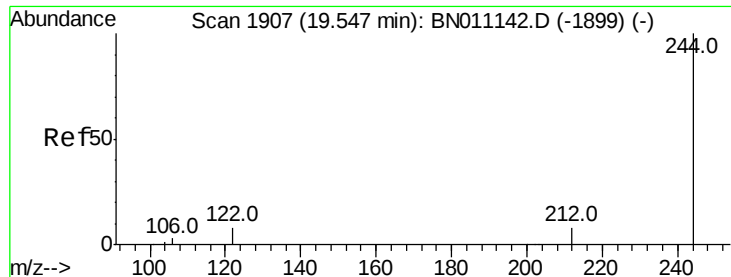


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Terphenyl-d14

Concen: 0.875 ng

RT: 19.55 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2020

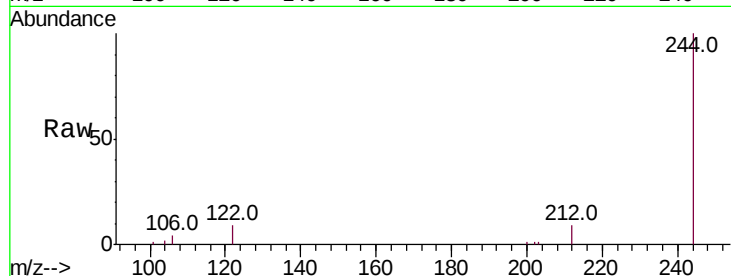
Tot Ion:244 Resp: 10447

Ion Ratio Lower Upper

244 100

212 9.1 7.8 11.6

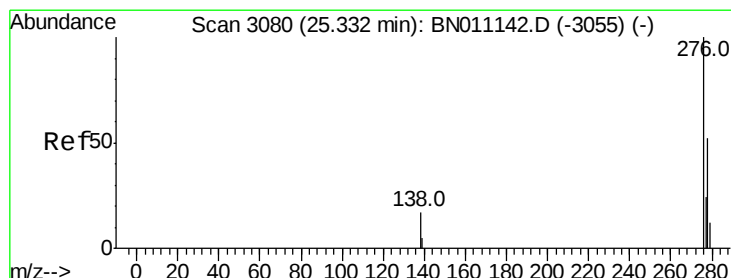
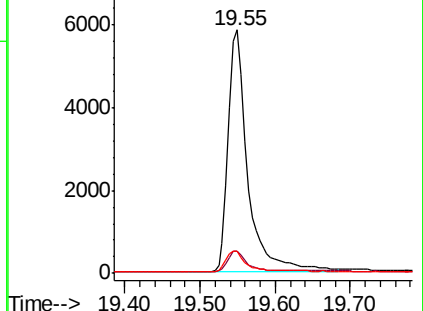
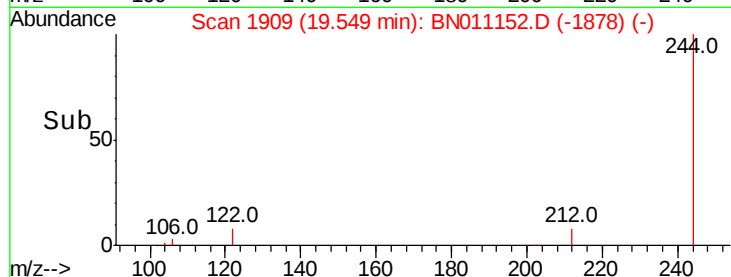
122 9.0 7.4 11.0



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



#35

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 25.33 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

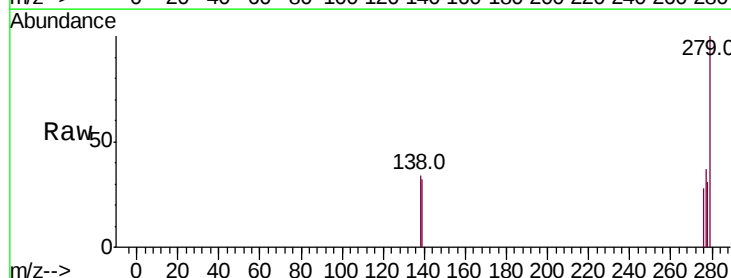
Tgt Ion:276 Resp: 1

Ion Ratio Lower Upper

276 100

138 0.0 13.0 19.6#

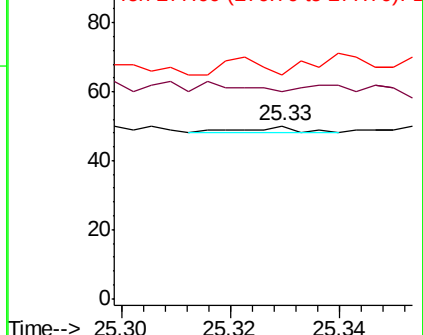
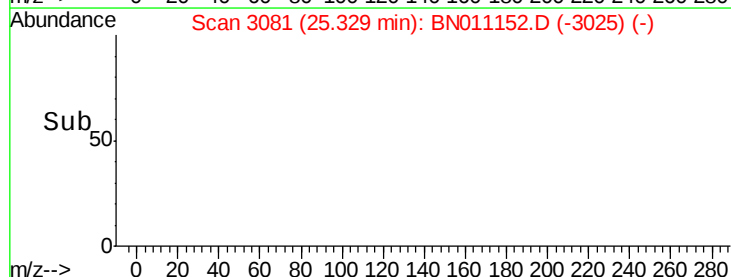
277 200.0 19.7 29.5#

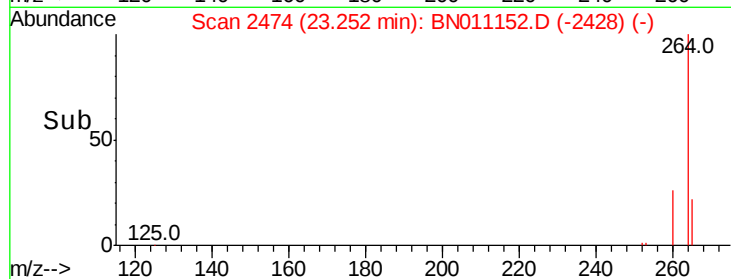
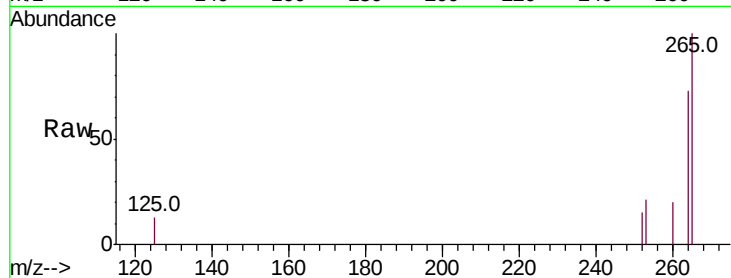
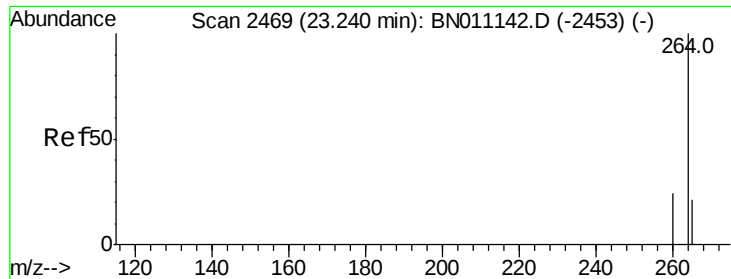


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#36

Pervlene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2474

Delta R.T. 0.01 min

Lab File: BN011152.D

Acq: 13 Jul 2020 12:26

Instrument :

BNA_N

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:264 Resp: 3926

Ion Ratio Lower Upper

264 100

260 27.5 20.1 30.1

265 137.7 76.6 115.0#

