

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032619\
 Data File : BN004982.D
 Acq On : 26 Mar 2019 18:29
 Operator : JU/SJ
 Sample : K1560-01
 Misc : LOD 16 PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 27 08:05:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	9112	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	38929	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	22864	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	52083	20.00	ng	0.00
76) Chrysene-d12	21.27	240	54548	20.00	ng	0.00
87) Perylene-d12	23.52	264	50230	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	67318	127.73	ng	0.00
7) Phenol-d6	6.86	99	89398	127.89	ng	0.00
23) Nitrobenzene-d5	8.84	82	55119	85.65	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	52751	143.05	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	147638	85.57	ng	0.00
79) Terphenyl-d14	19.71	244	239528	84.54	ng	0.00

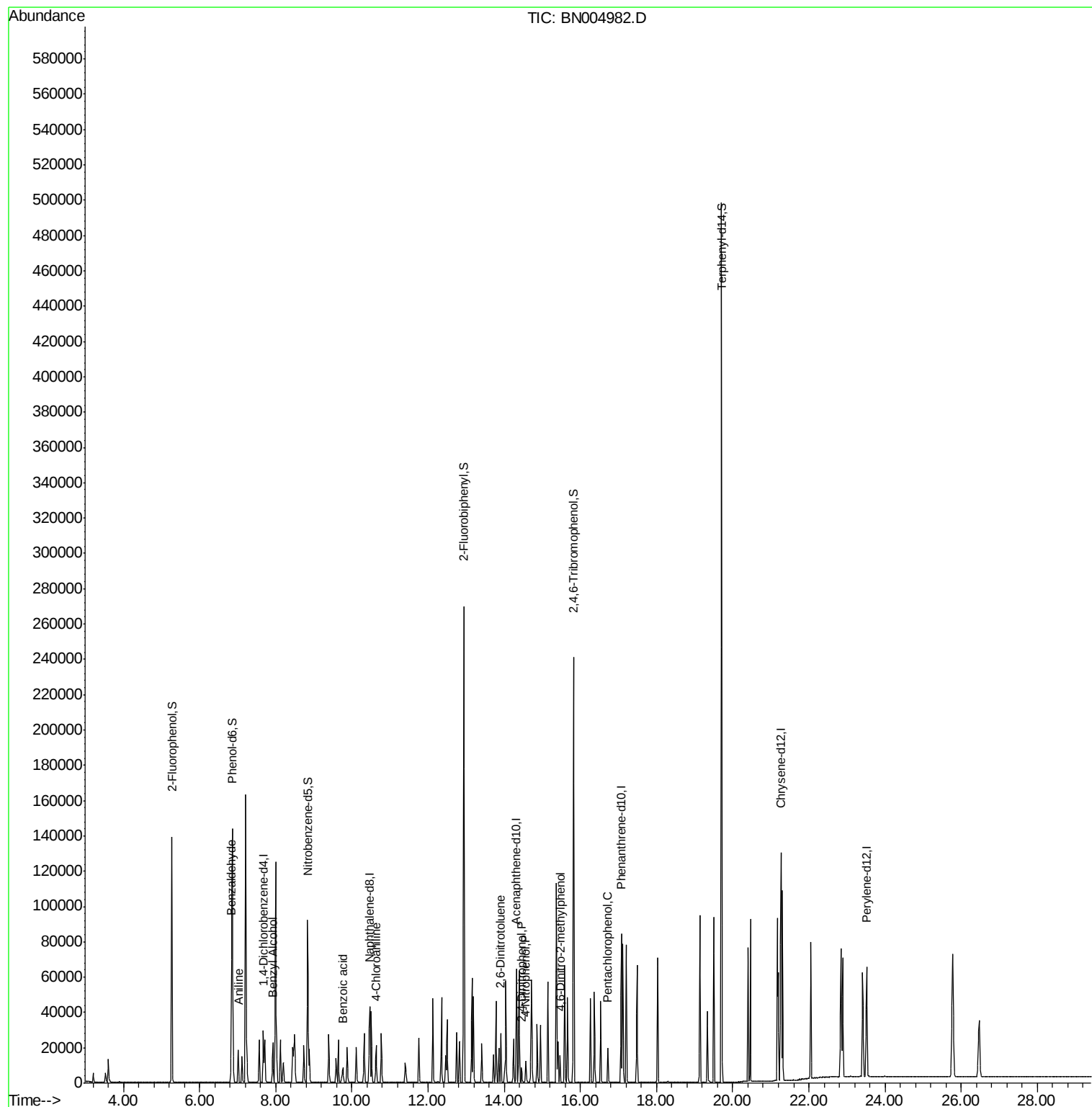
Target Compounds				Qvalue		
6) Aniline	7.02	93	13918	15.635	ng	100
9) Benzaldehyde	6.83	77	7490	18.646	ng	96
15) Benzyl Alcohol	7.92	79	8190	15.400	ng	98
32) Benzoic acid	9.76	122	5046	16.174	ng	99
33) 4-Chloroaniline	10.63	127	13885	16.803	ng	99
51) 2,6-Dinitrotoluene	13.91	165	7227	16.908	ng	98
54) 2,4-Dinitrophenol	14.46	184	2946	17.723	ng	98
56) 4-Nitrophenol	14.56	139	5199	15.106	ng	97
65) 4,6-Dinitro-2-methylphenol	15.47	198	5031	16.574	ng	99
70) Pentachlorophenol	16.72	266	5473	13.670	ng	99

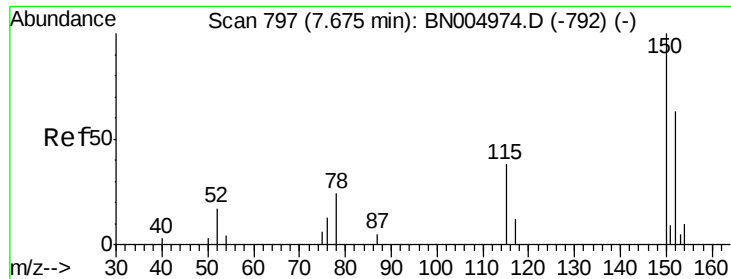
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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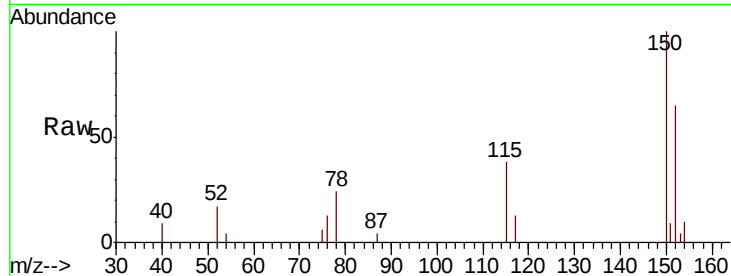


#1

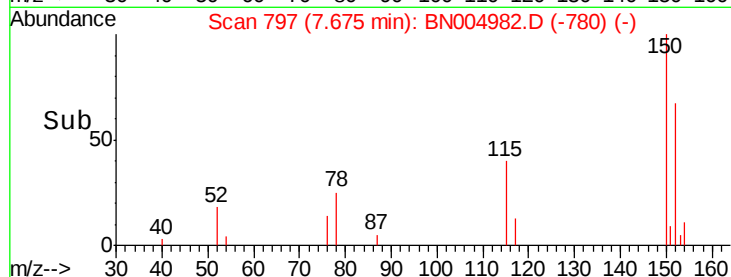
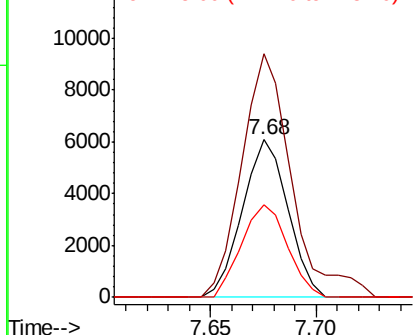
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

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

Tot Ion:152 Resp: 9112
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 58.8 47.8 71.6



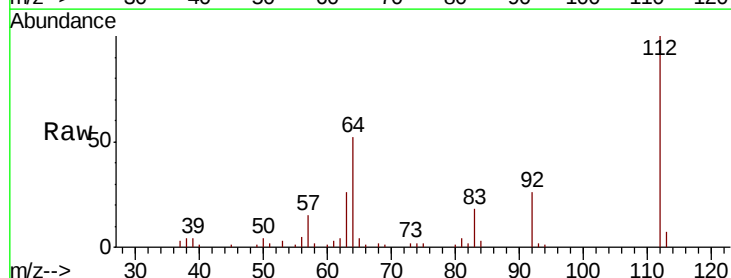
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



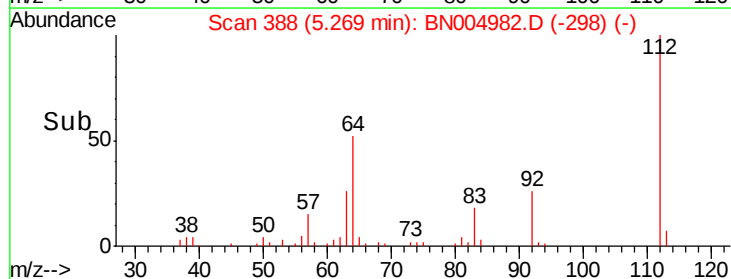
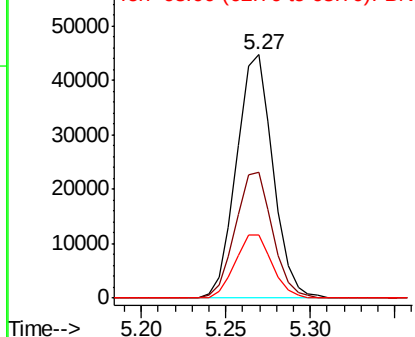
#5

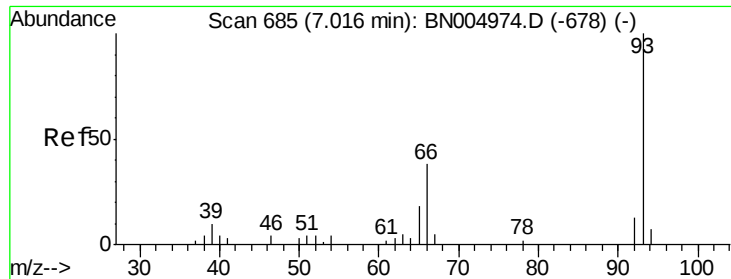
2-Fluorophenol
Concen: 127.728 ng
RT: 5.27 min Scan# 388
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion:112 Resp: 67318
Ion Ratio Lower Upper
112 100
64 51.5 41.9 62.9
63 26.0 21.4 32.0



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





#6

Aniline

Concen: 15.635 ng

RT: 7.02 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

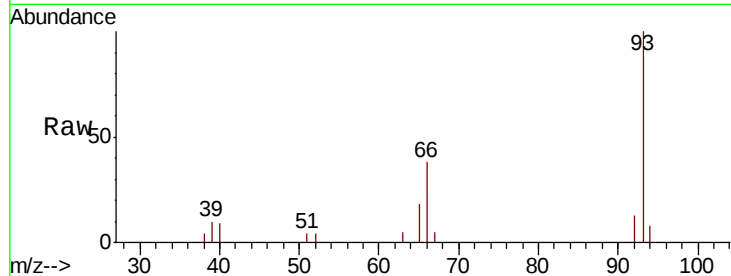
Tot Ion: 93 Resp: 13918

Ion Ratio Lower Upper

93 100

66 37.9 30.2 45.4

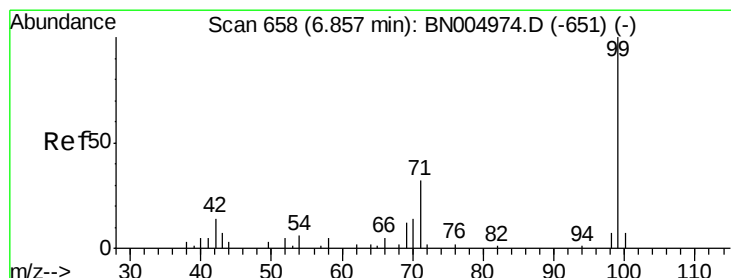
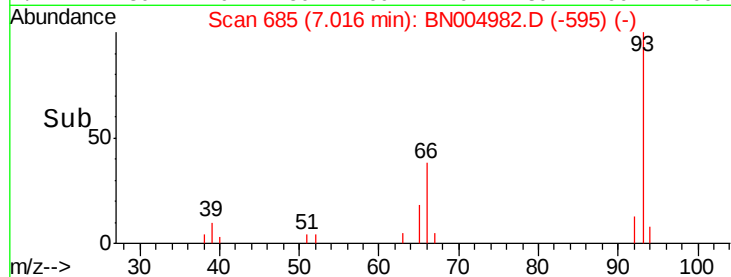
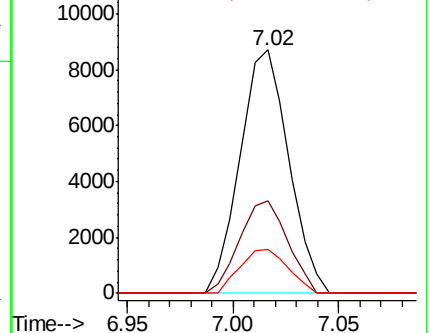
65 18.2 14.7 22.1



Abundance Ion 93.00 (92.70 to 93.70): BN004974.D (-678) (-)

Ion 66.00 (65.70 to 66.70): BN004974.D (-678) (-)

Ion 65.00 (64.70 to 65.70): BN004974.D (-678) (-)



#7

Phenol-d6

Concen: 127.888 ng

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

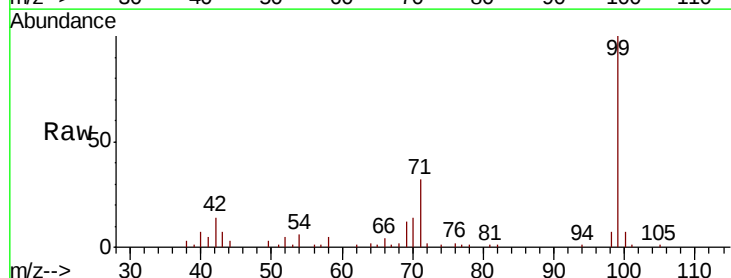
Tgt Ion: 99 Resp: 89398

Ion Ratio Lower Upper

99 100

42 14.1 11.4 17.0

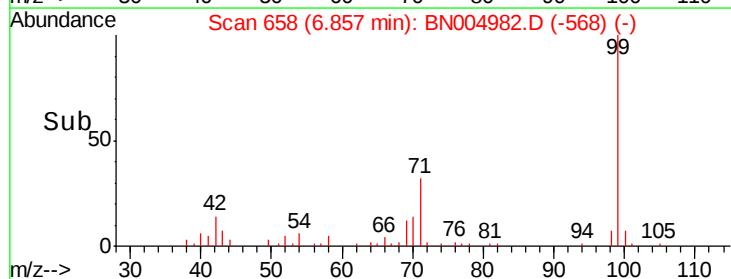
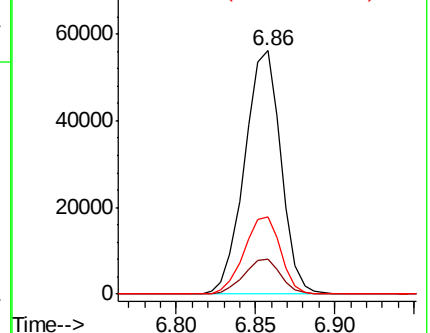
71 31.9 25.8 38.8

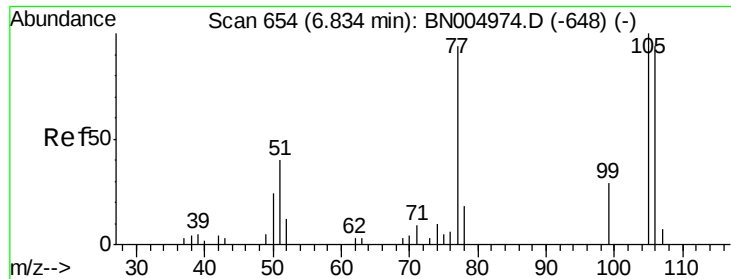


Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)





#9

Benzaldehyde

Concen: 18.646 ng

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

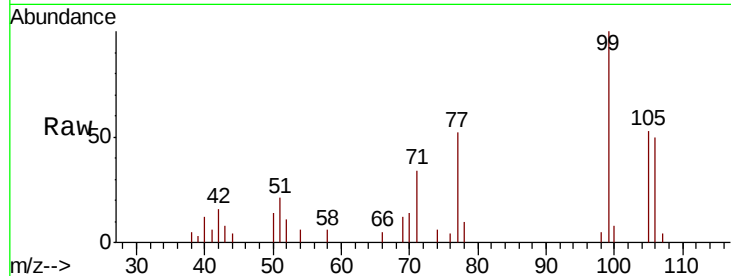
Tot Ion: 77 Resp: 7490

Ion Ratio Lower Upper

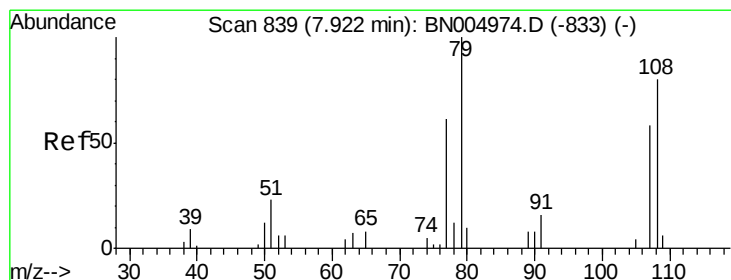
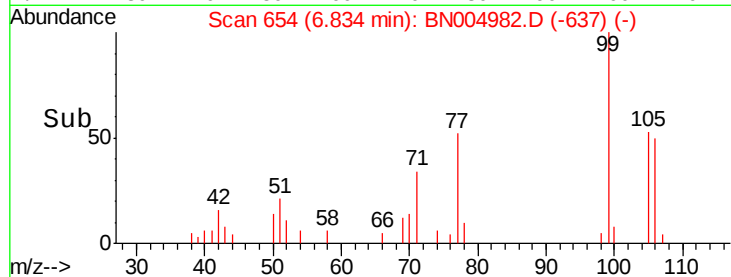
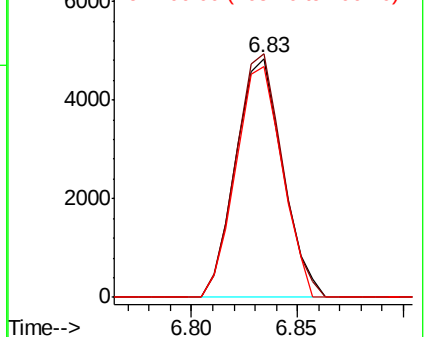
77 100

105 102.0 86.1 126.1

106 96.9 79.9 119.9



Abundance Ion 77.00 (76.70 to 77.70): BNC
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 15.400 ng

RT: 7.92 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

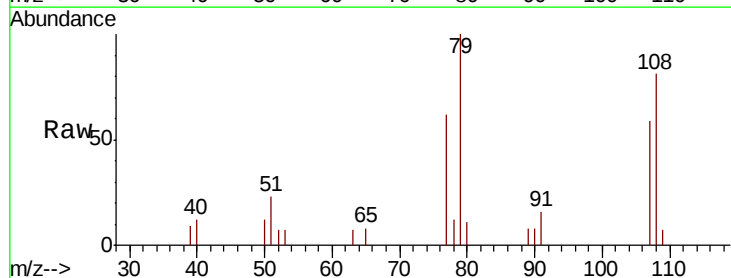
Tgt Ion: 79 Resp: 8190

Ion Ratio Lower Upper

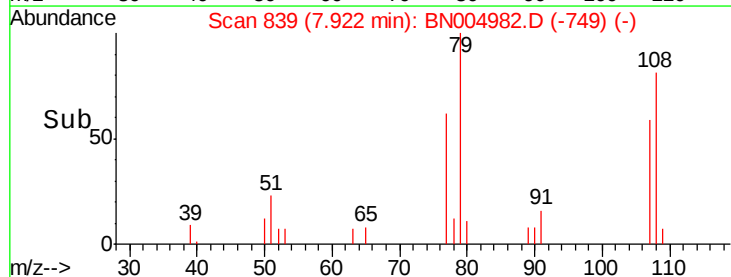
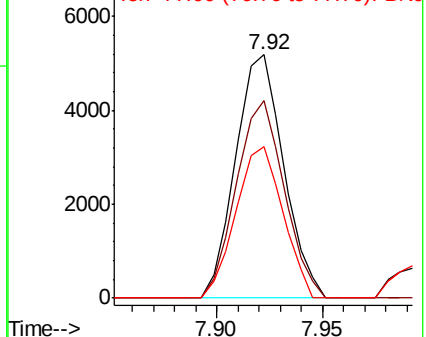
79 100

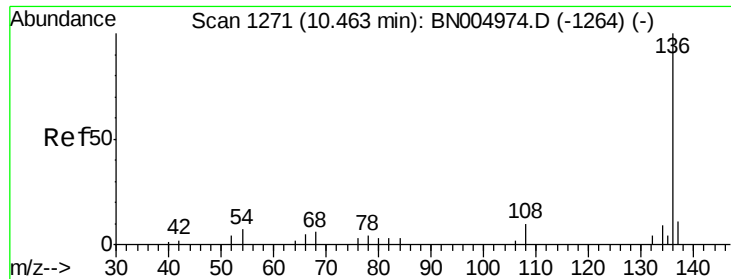
108 81.4 64.0 96.0

77 62.2 48.8 73.2



Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BNC

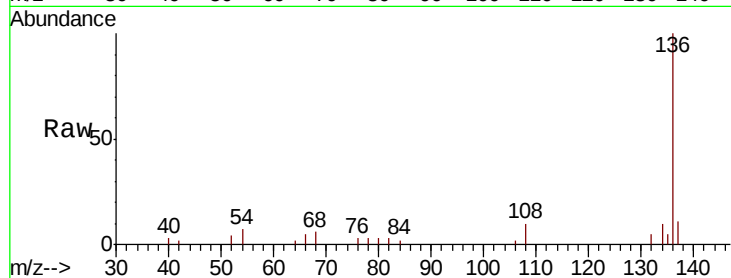




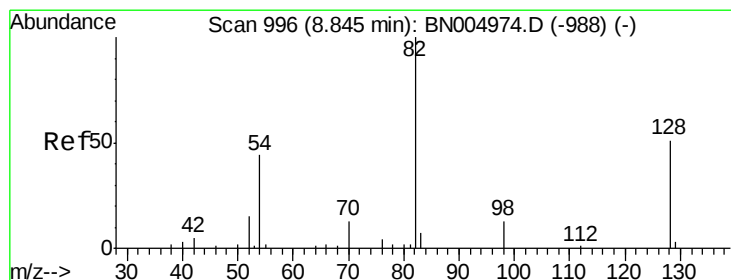
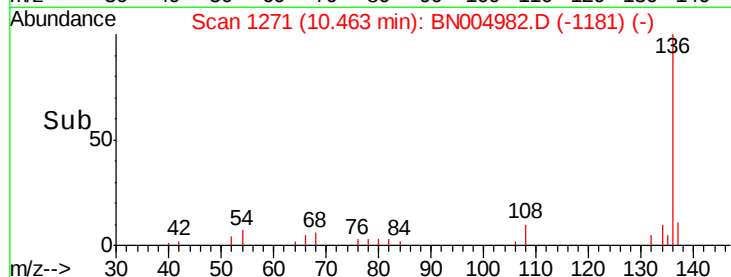
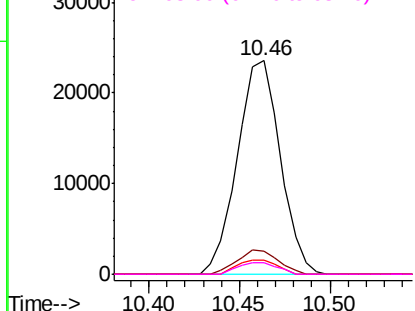
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

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

Tot Ion:136	Resp:	38929
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	6.8	5.3 7.9
68	5.7	4.6 6.8

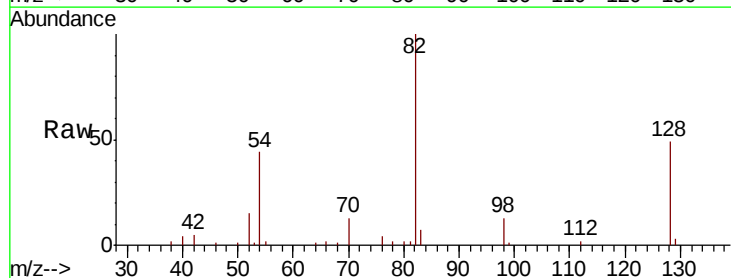


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

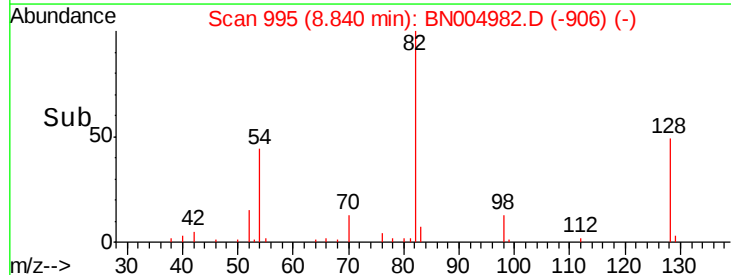
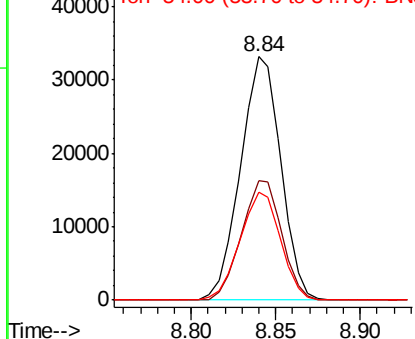


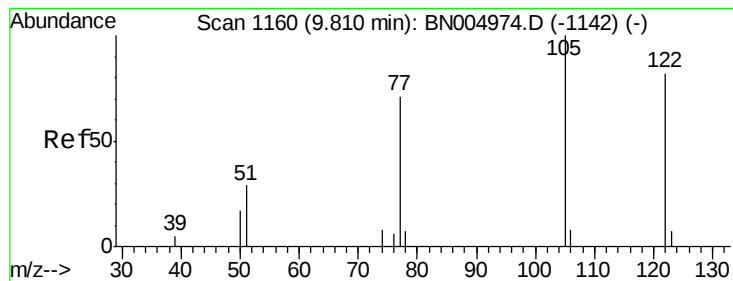
#23
Nitrobenzene-d5
Concen: 85.649 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN004982.D
Acq: 26 Mar 2019 18:29

Tgt Ion: 82	Resp:	55119
Ion	Ratio	Lower Upper
82	100	
128	48.9	40.6 60.8
54	44.1	35.2 52.8



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





#32

Benzoic acid

Concen: 16.174 ng

RT: 9.76 min Scan# 1152

Delta R.T. -0.05 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

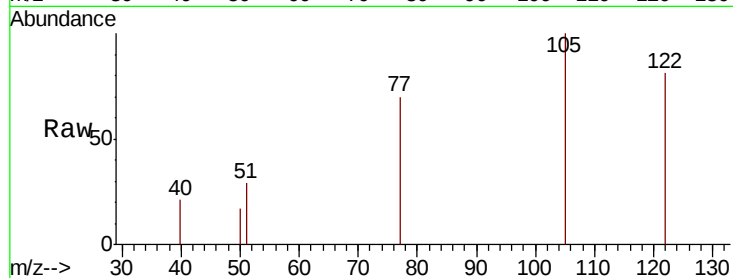
Tot Ion:122 Resp: 5046

Ion Ratio Lower Upper

122 100

105 122.8 102.4 142.4

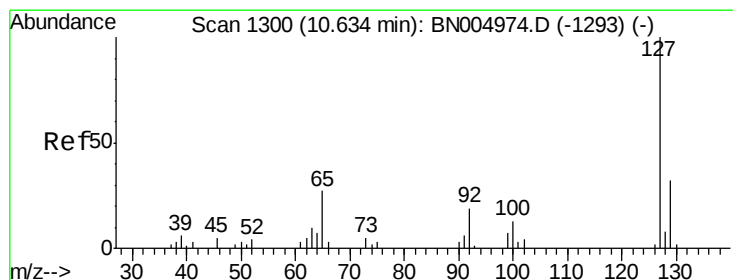
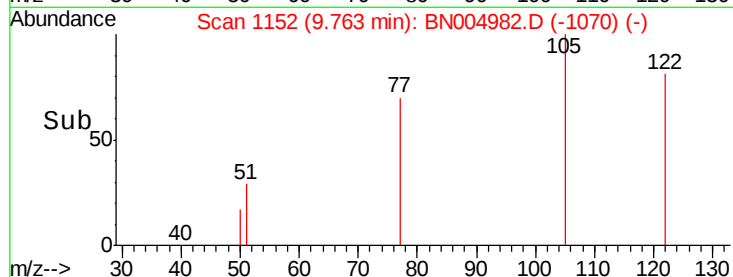
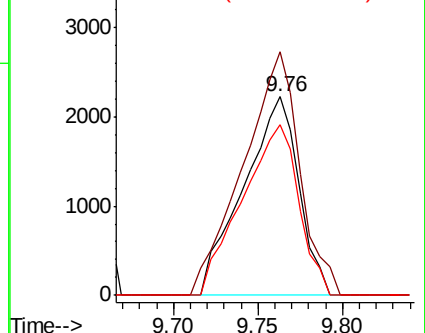
77 85.9 67.1 107.1



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC



#33

4-Chloroaniline

Concen: 16.803 ng

RT: 10.63 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Tgt Ion:127 Resp: 13885

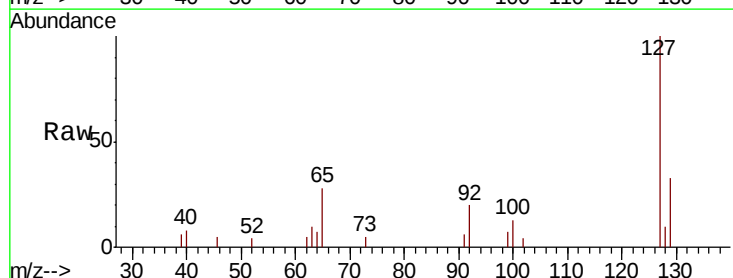
Ion Ratio Lower Upper

127 100

129 32.9 25.9 38.9

65 27.6 21.4 32.0

92 19.8 15.3 22.9

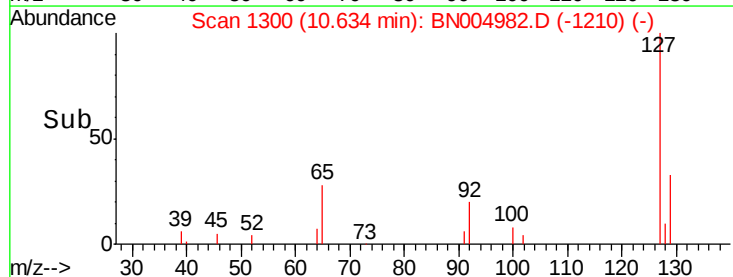
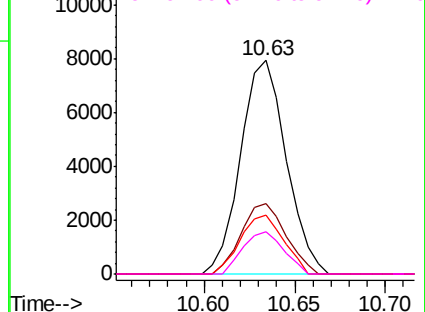


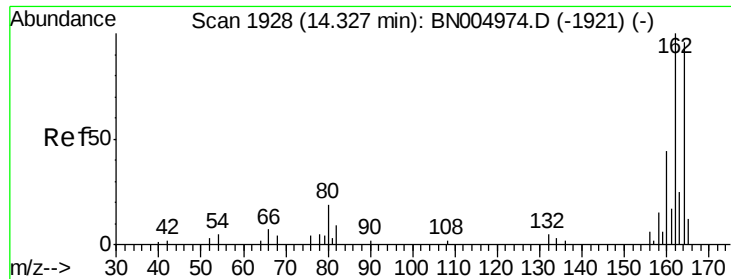
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN004982.D

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LOD-MDL-SOIL-01-QT1-2019

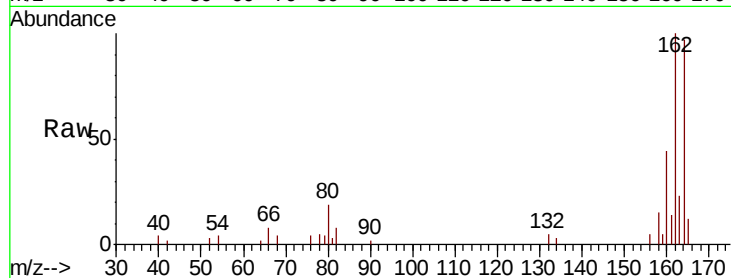
Tot Ion:164 Resp: 22864

Ion Ratio Lower Upper

164 100

162 103.6 83.4 125.0

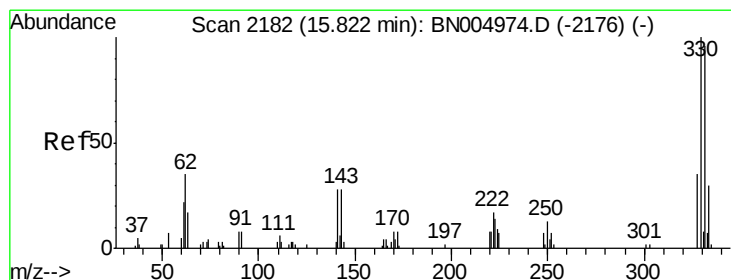
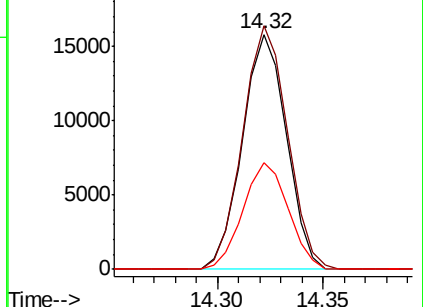
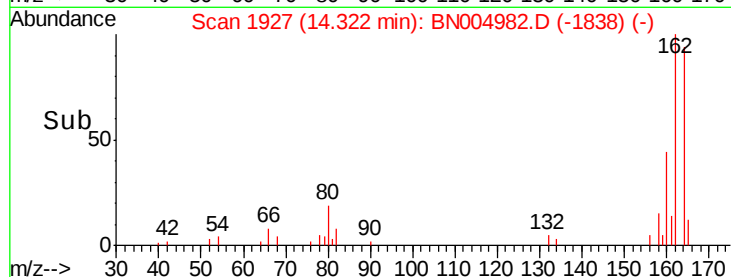
160 45.2 36.6 55.0



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



#42

2,4,6-Tribromophenol

Concen: 143.052 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

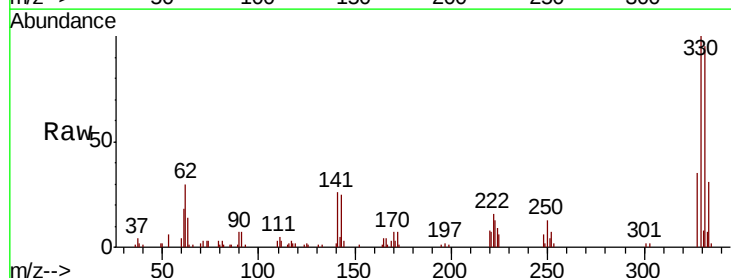
Tgt Ion:330 Resp: 52751

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

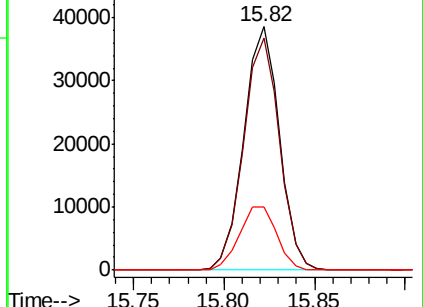
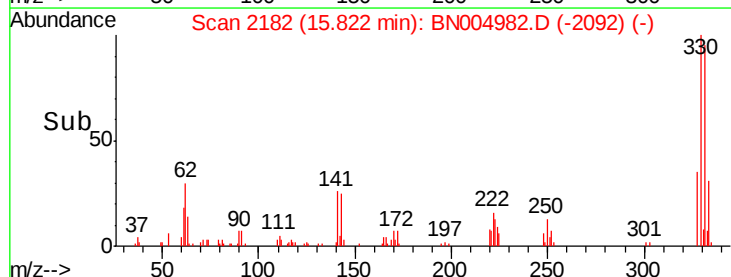
141 27.4 22.1 33.1

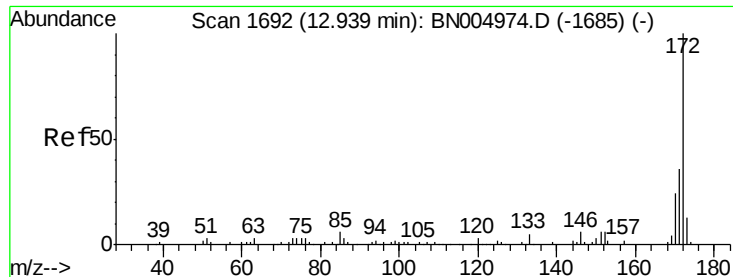


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

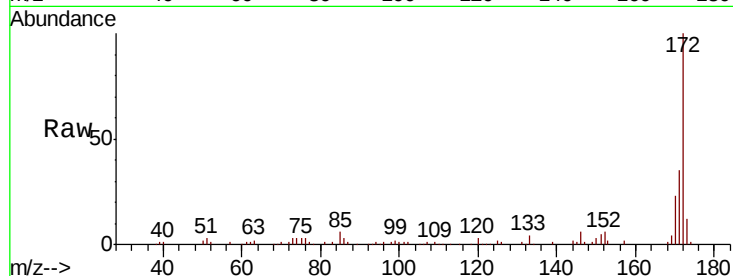




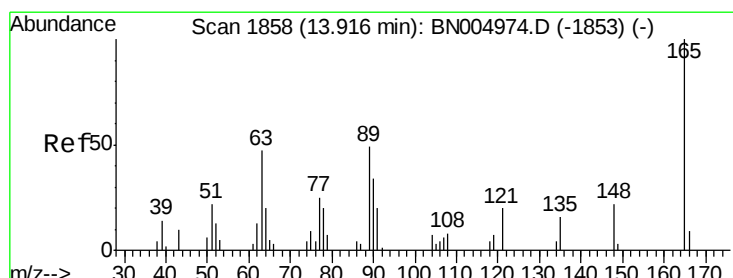
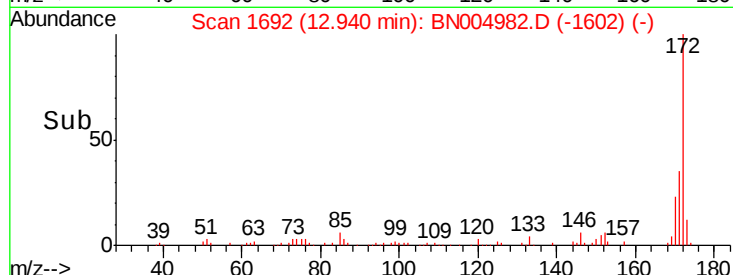
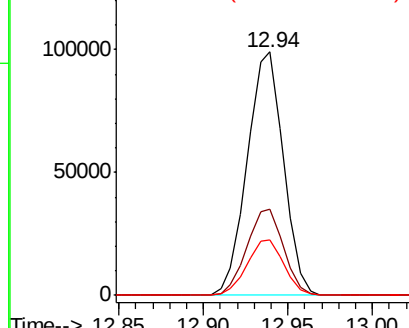
#45
 2-Fluorobiphenyl
 Concen: 85.566 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

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

Tot Ion:172 Resp: 147638
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 23.0 18.9 28.3

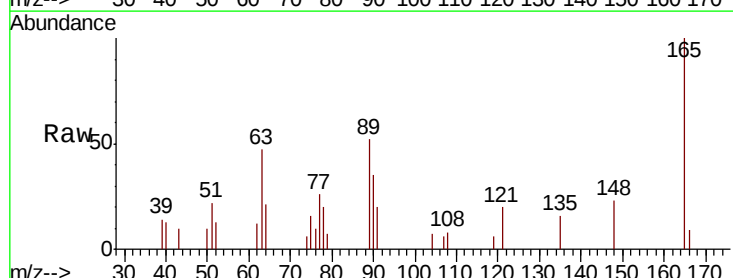


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

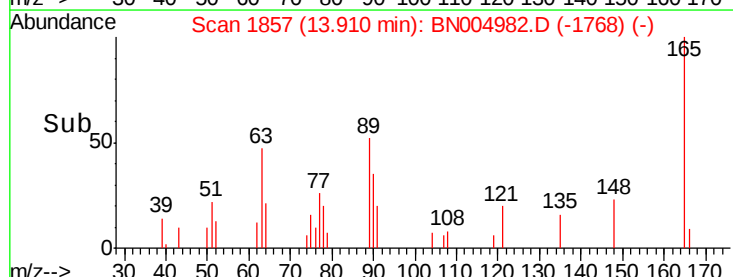
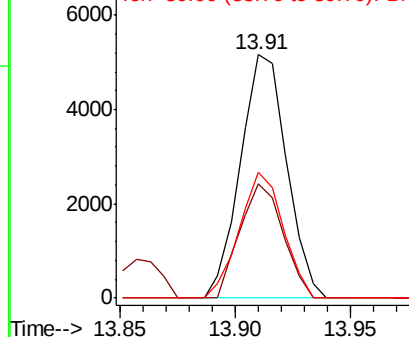


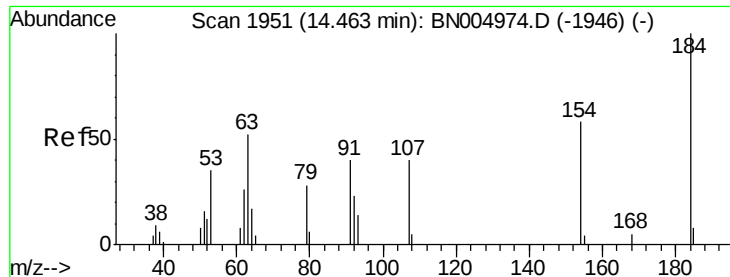
#51
 2,6-Dinitrotoluene
 Concen: 16.908 ng
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:165 Resp: 7227
 Ion Ratio Lower Upper
 165 100
 63 46.7 37.3 55.9
 89 51.7 39.2 58.8



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

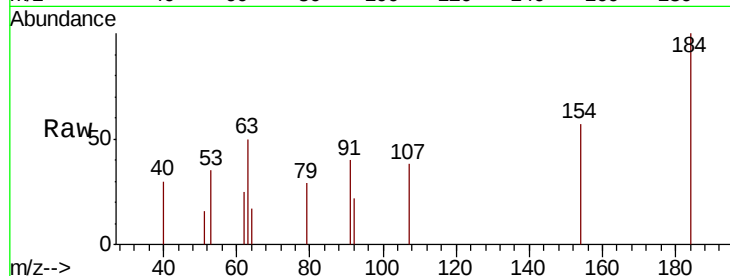




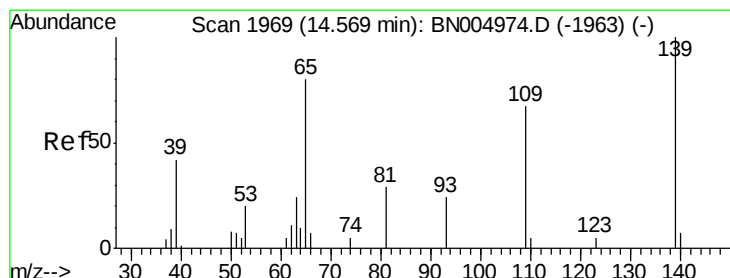
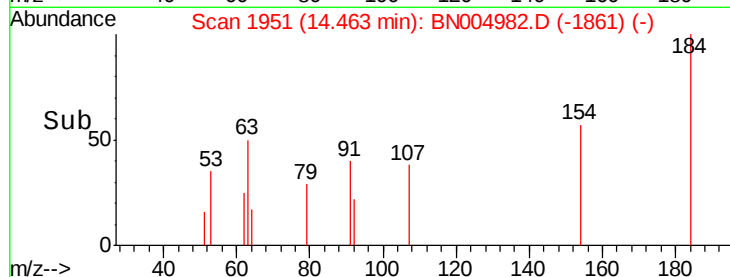
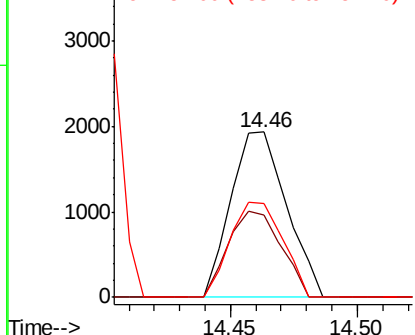
#54
 2,4-Dinitrophenol
 Concen: 17.723 ng
 RT: 14.46 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

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

Tot Ion:184 Resp: 2946
 Ion Ratio Lower Upper
 184 100
 63 49.8 41.6 62.4
 154 57.1 46.8 70.2

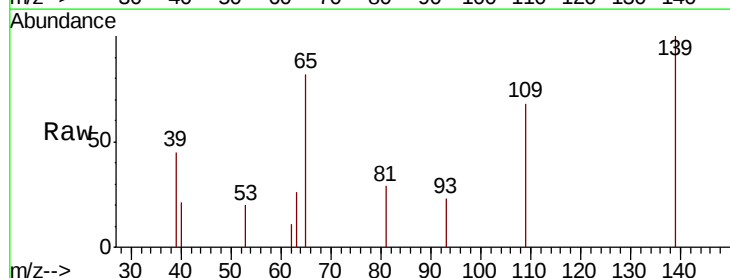


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 154.00 (153.70 to 154.70): E

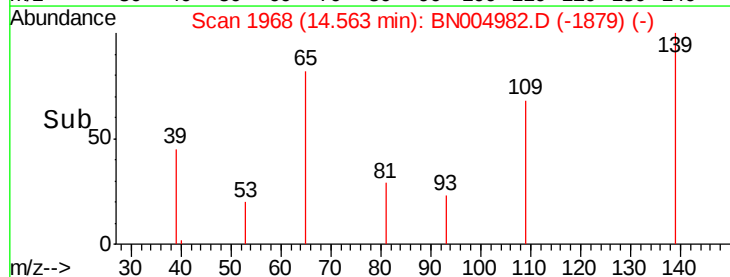
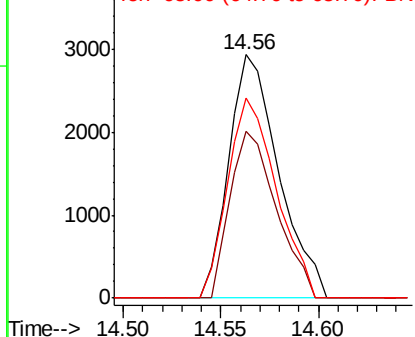


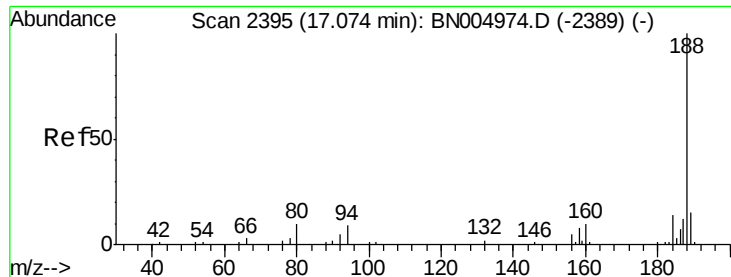
#56
 4-Nitrophenol
 Concen: 15.106 ng
 RT: 14.56 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:139 Resp: 5199
 Ion Ratio Lower Upper
 139 100
 109 68.4 46.5 86.5
 65 82.4 59.5 99.5



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BNO

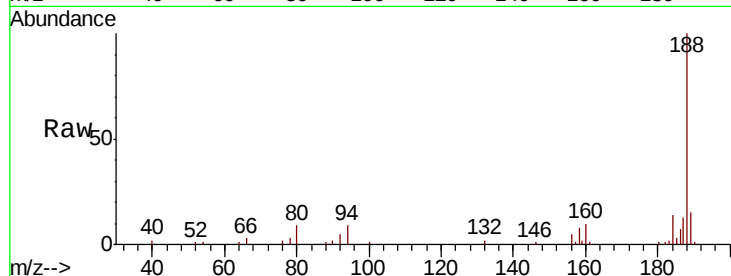




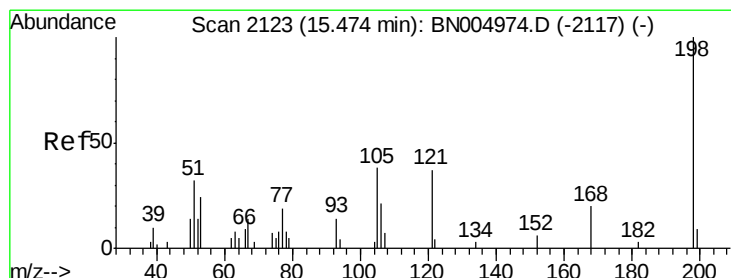
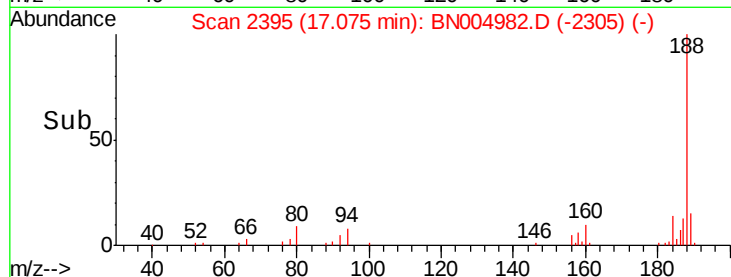
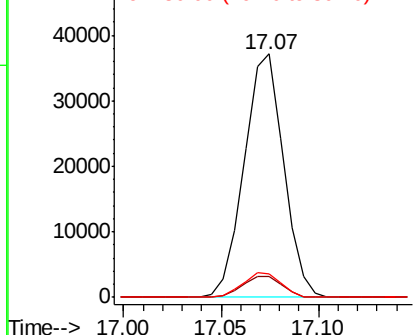
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

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

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.5	7.8	11.6

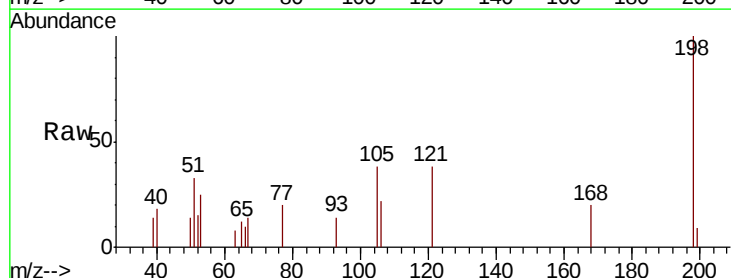


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BNC
 Ion 80.00 (79.70 to 80.70): BNC

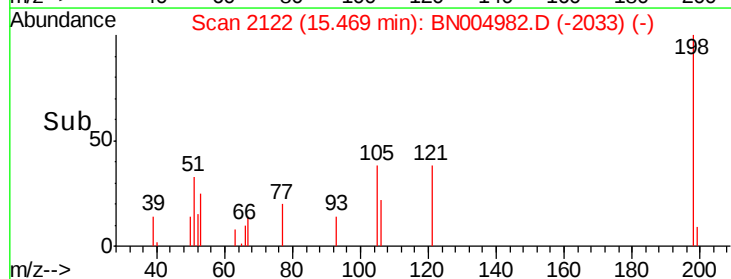
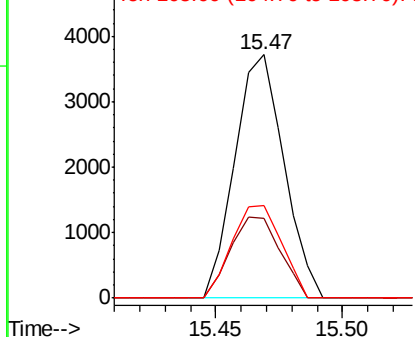


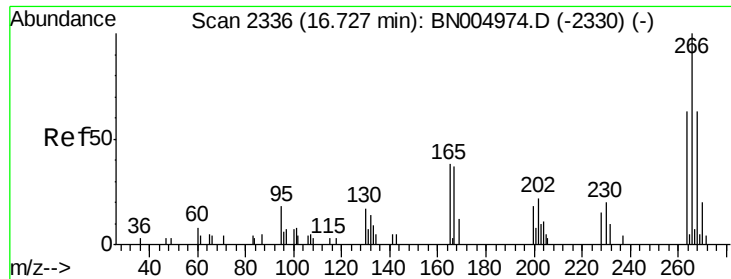
#65
 4,6-Dinitro-2-methylphenol
 Concen: 16.574 ng
 RT: 15.47 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion	Ratio	Lower	Upper
198	100		
51	32.6	12.0	52.0
105	37.8	17.6	57.6



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

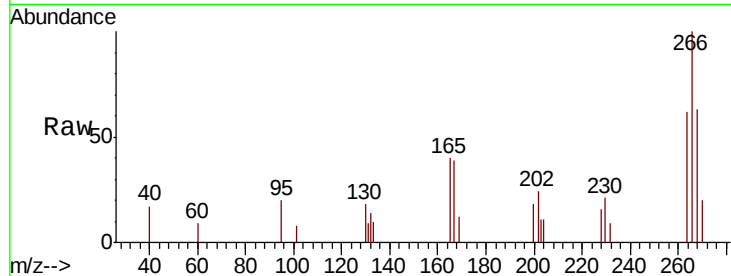




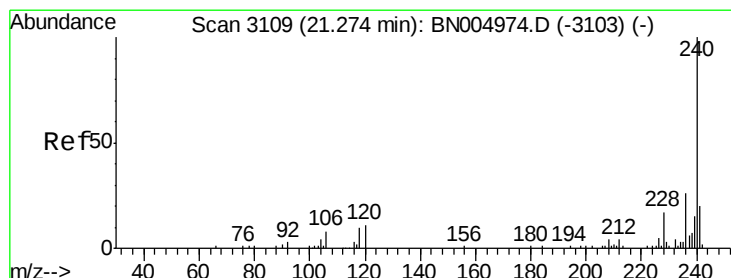
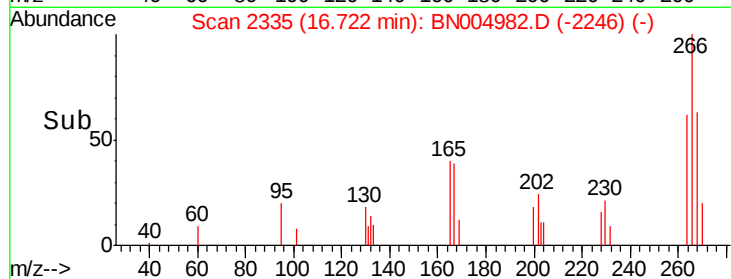
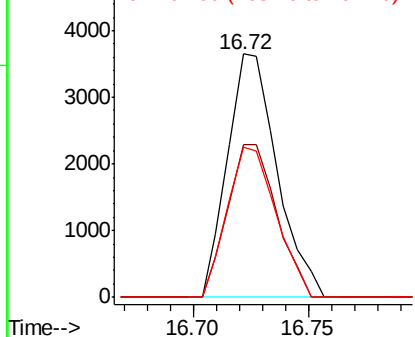
#70
 Pentachlorophenol
 Concen: 13.670 ng
 RT: 16.72 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

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

Tot Ion:266 Resp: 5473
 Ion Ratio Lower Upper
 266 100
 268 63.0 50.8 76.2
 264 61.6 50.0 75.0

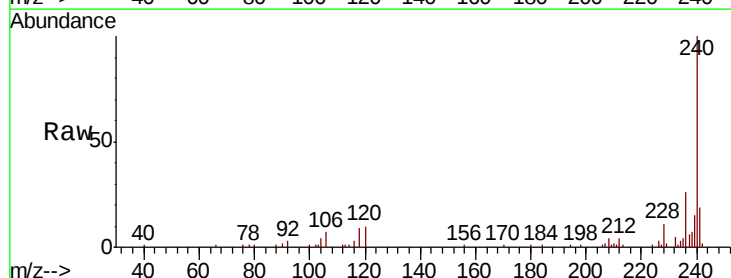


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

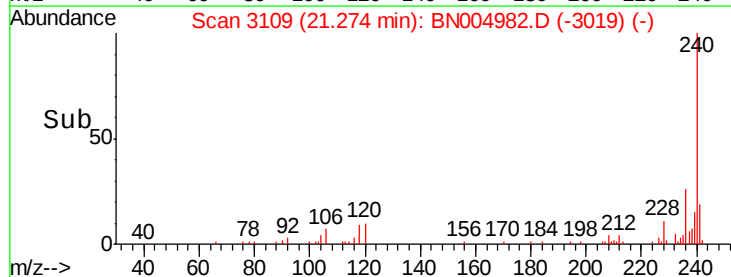
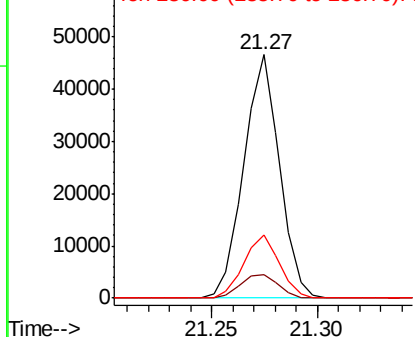


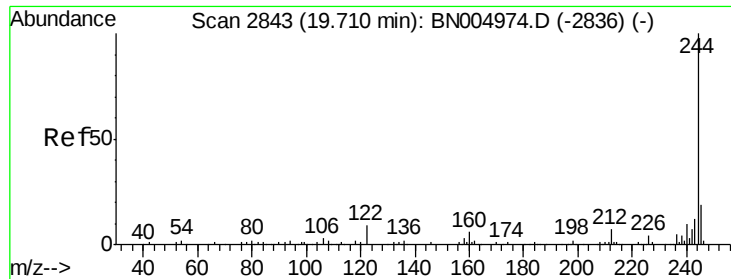
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: BN004982.D
 Acq: 26 Mar 2019 18:29

Tgt Ion:240 Resp: 54548
 Ion Ratio Lower Upper
 240 100
 120 9.9 8.5 12.7
 236 25.9 21.2 31.8



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





#79

Terphenyl-d14

Concen: 84.540 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

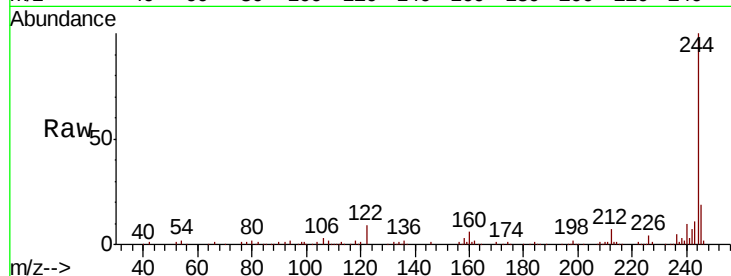
Tot Ion:244 Resp: 239528

Ion Ratio Lower Upper

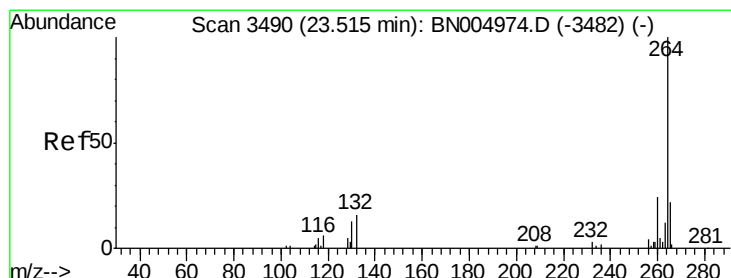
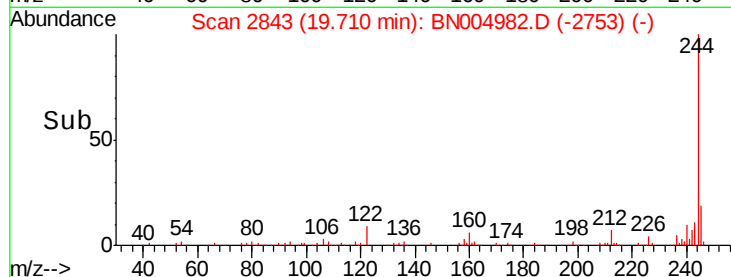
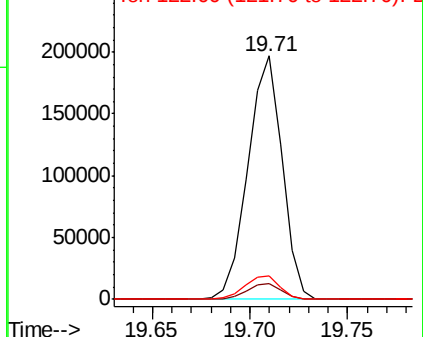
244 100

212 6.7 5.4 8.0

122 9.5 7.4 11.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.52 min Scan# 3490

Delta R.T. 0.00 min

Lab File: BN004982.D

Acq: 26 Mar 2019 18:29

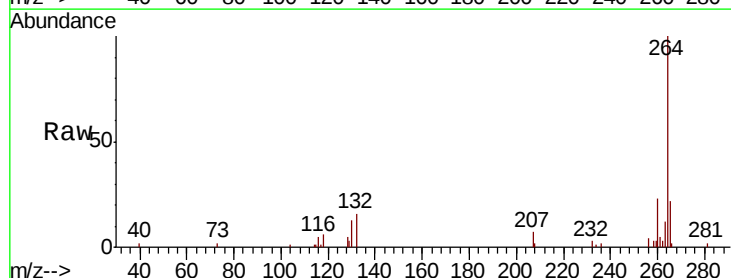
Tgt Ion:264 Resp: 50230

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.8 17.2 25.8



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

