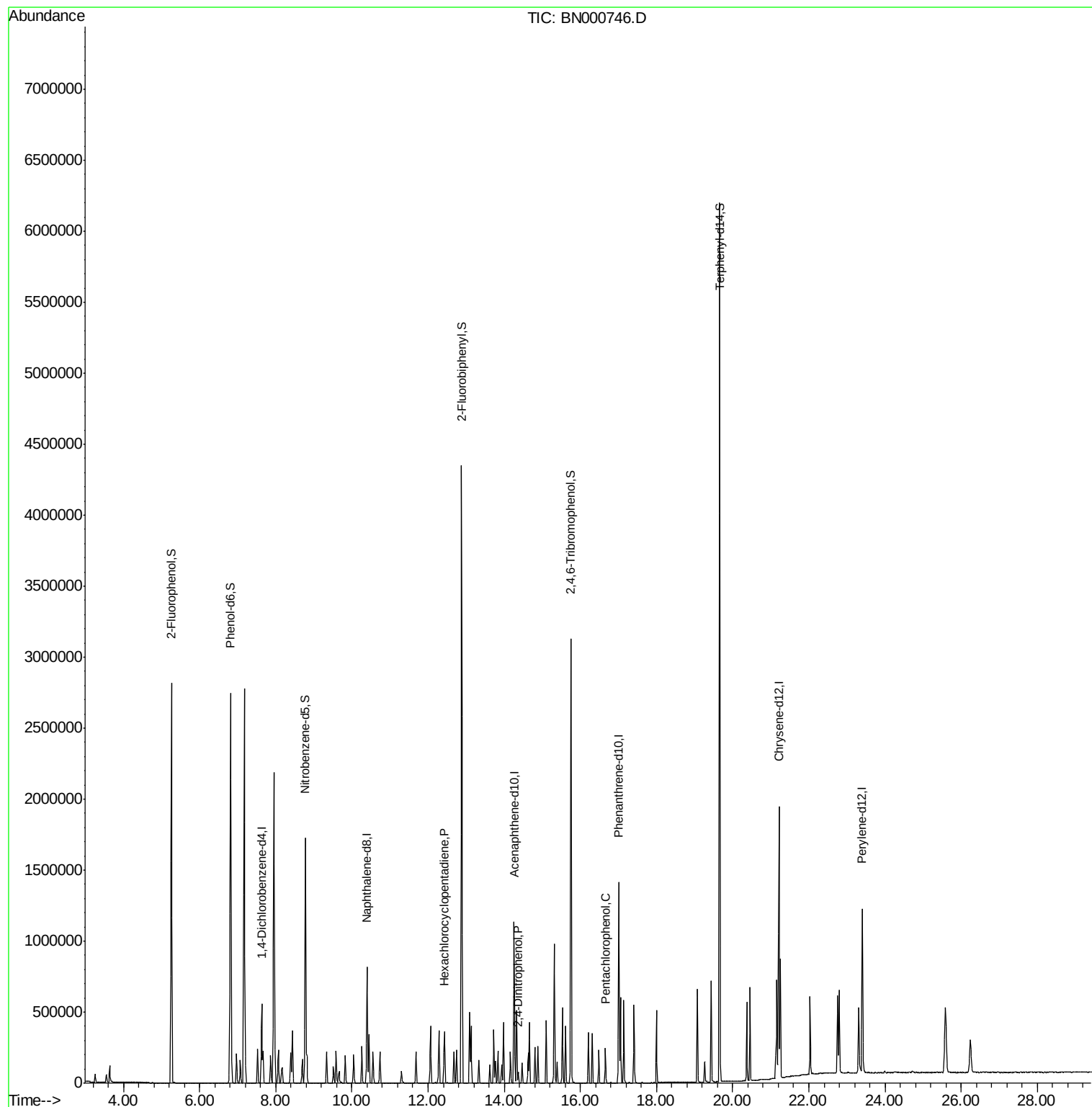
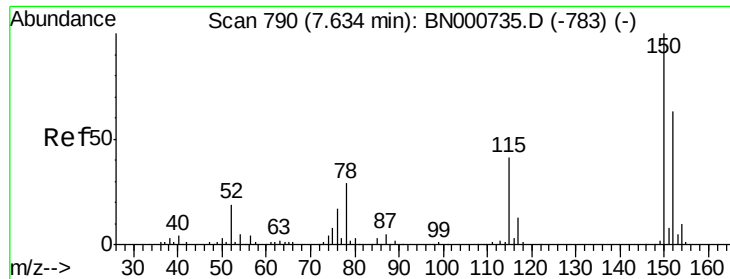


Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
Data File : BN000746.D
Acq On : 18 Apr 2018 19:05
Operator : JU/SJ
Sample : J2133-01
Misc : 8PPM LOD
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Quant Time: Apr 19 05:00:15 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 16:58:01 2018
Response via : Initial Calibration



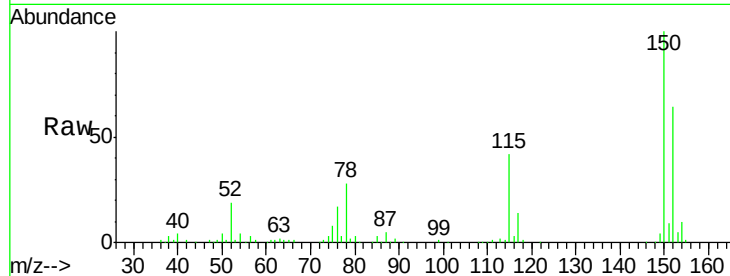


#1

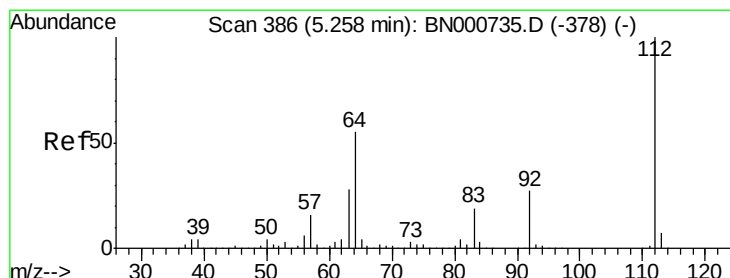
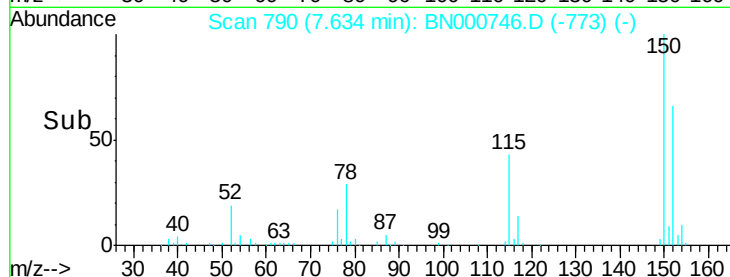
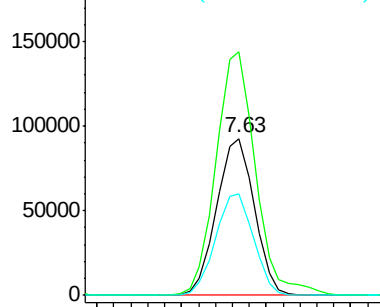
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BN000746.D
 Acq: 18 Apr 2018 19:05

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Tot Ion:152 Resp: 144631
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.6 189.8
 115 64.7 53.0 79.4



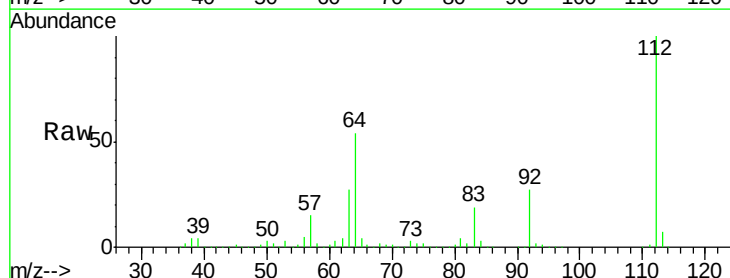
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



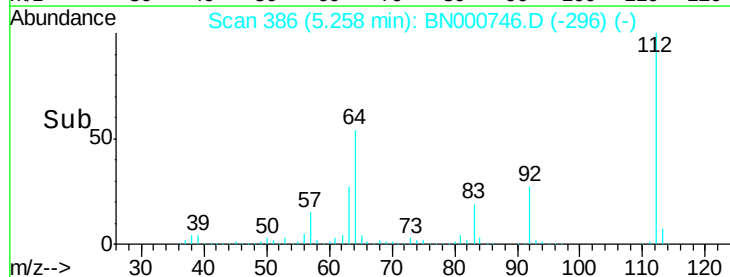
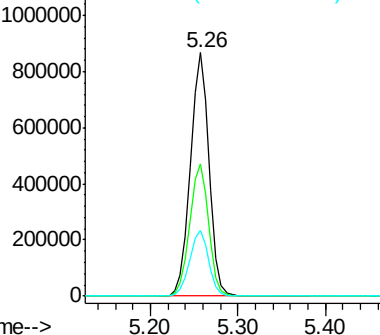
#5

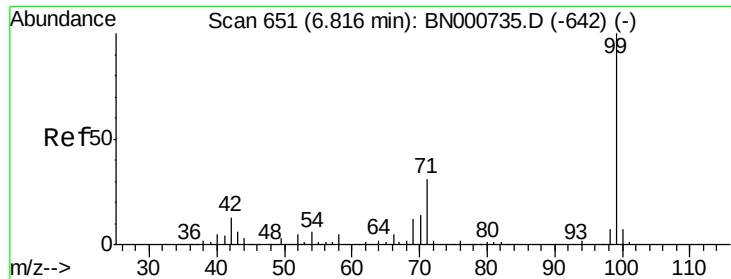
2-Fluorophenol
 Concen: 131.567 ng
 RT: 5.26 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BN000746.D
 Acq: 18 Apr 2018 19:05

Tgt Ion:112 Resp: 1280973
 Ion Ratio Lower Upper
 112 100
 64 54.1 56.3 84.5#
 63 27.2 30.1 45.1#



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





#7

Phenol-d6

Concen: 131.873 ng

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BN000746.D

Acq: 18 Apr 2018 19:05

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

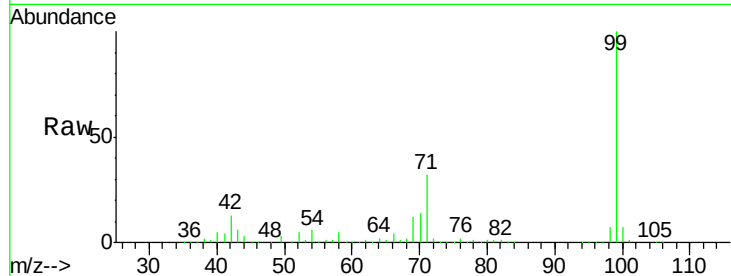
Tot Ion: 99 Resp: 1749678

Ion Ratio Lower Upper

99 100

42 12.7 14.1 21.1#

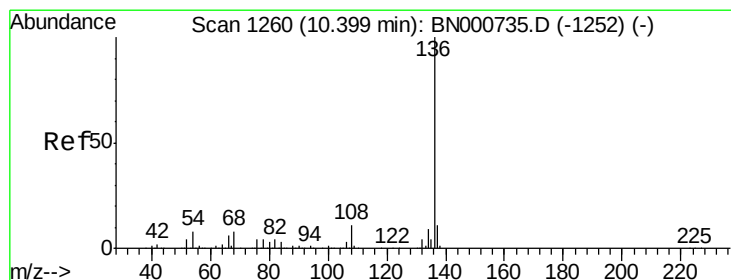
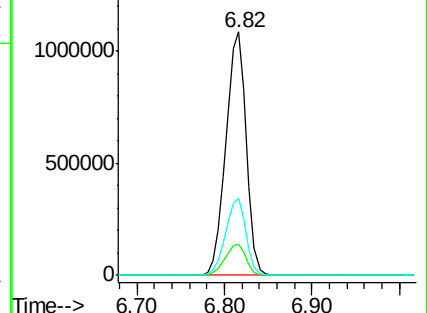
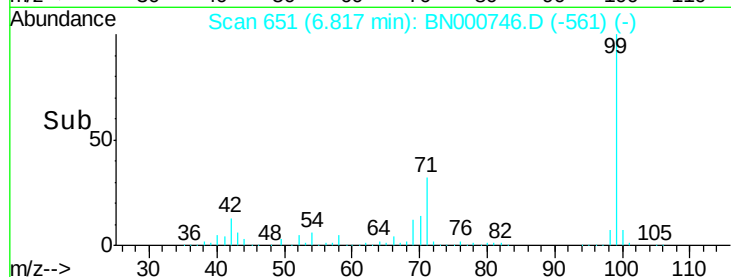
71 31.7 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN000735.D (-642) (-)

Ion 42.00 (41.70 to 42.70): BN000735.D (-642) (-)

Ion 71.00 (70.70 to 71.70): BN000735.D (-642) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.40 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BN000746.D

Acq: 18 Apr 2018 19:05

Tgt Ion: 136 Resp: 642433

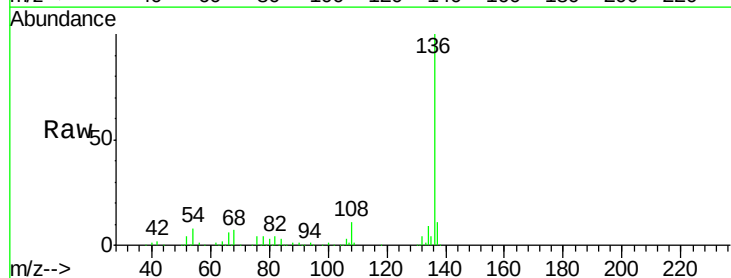
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 7.6 10.3 15.5#

68 7.4 4.5 6.7#

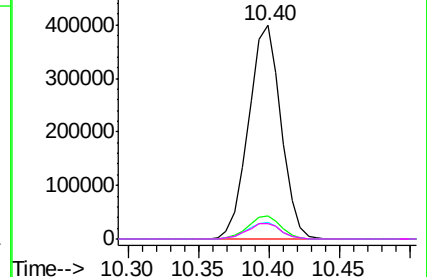
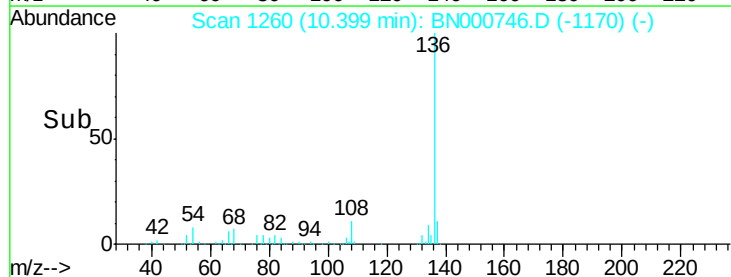


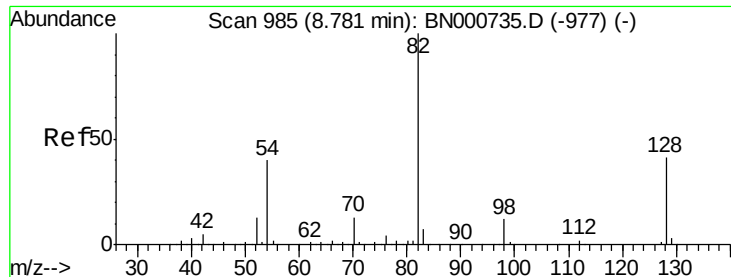
Abundance Ion 136.00 (135.70 to 136.70): BN000735.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BN000735.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BN000735.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BN000735.D (-1252) (-)

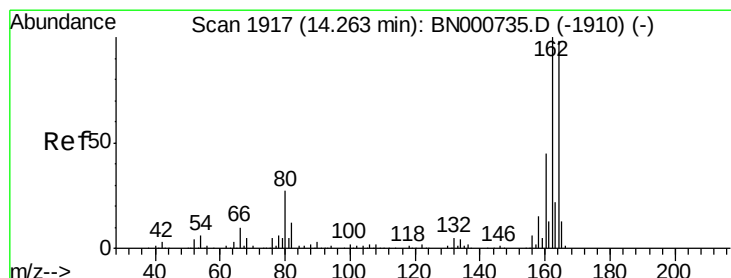
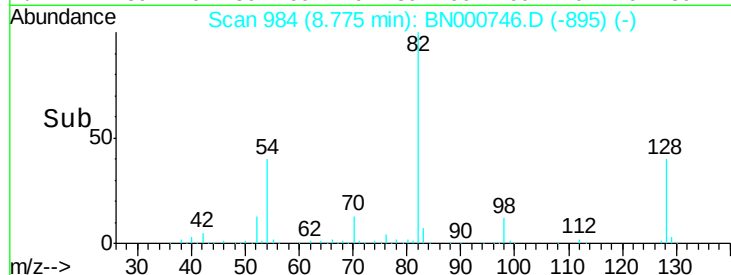
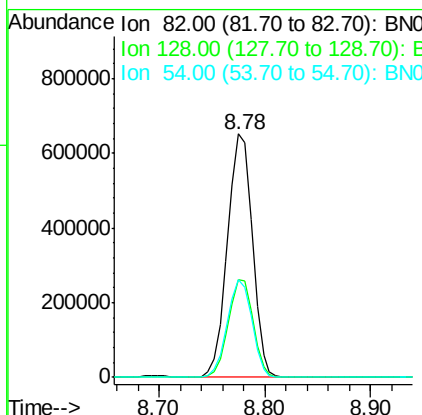
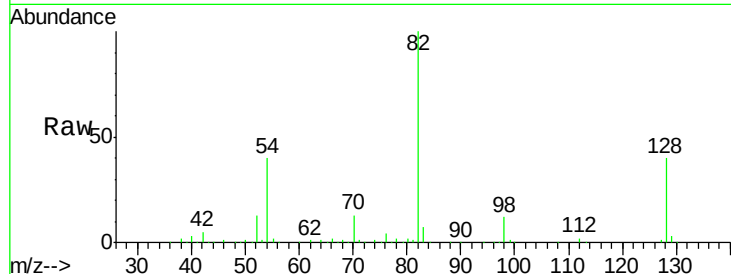




#23
Nitrobenzene-d5
Concen: 86.086 ng
RT: 8.78 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN000746.D
Acq: 18 Apr 2018 19:05

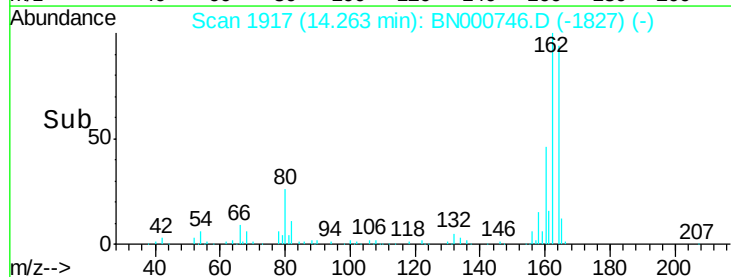
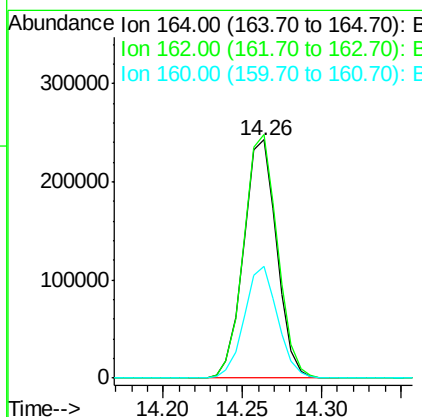
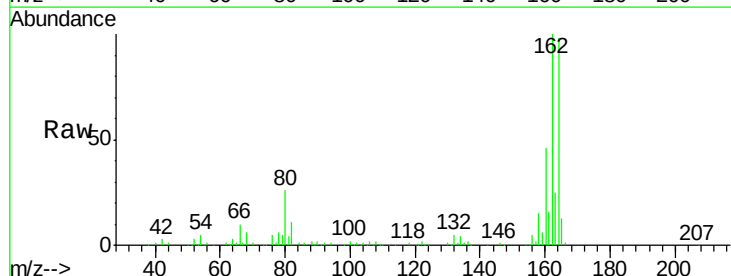
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

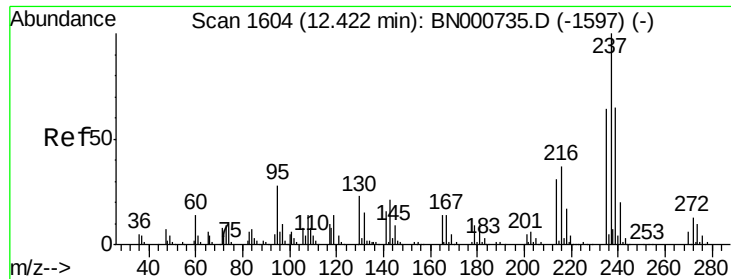
Tot Ion: 82 Resp: 1060885
Ion Ratio Lower Upper
82 100
128 40.2 29.7 44.5
54 39.9 43.1 64.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.26 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BN000746.D
Acq: 18 Apr 2018 19:05

Tgt Ion:164 Resp: 351422
Ion Ratio Lower Upper
164 100
162 102.4 78.8 118.2
160 46.9 35.4 53.0

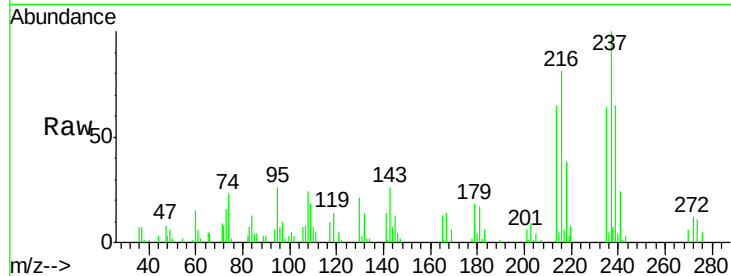




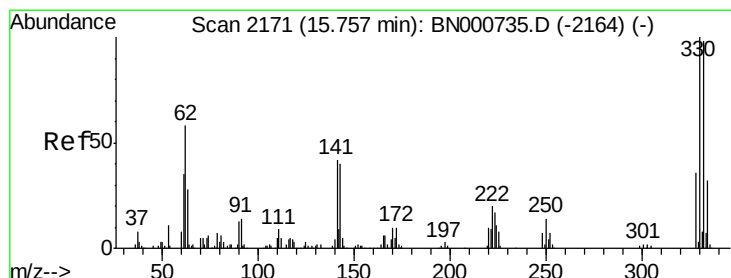
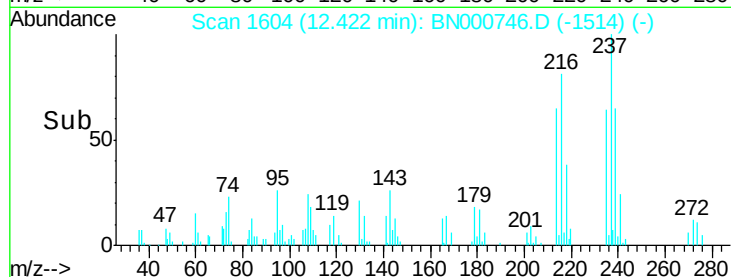
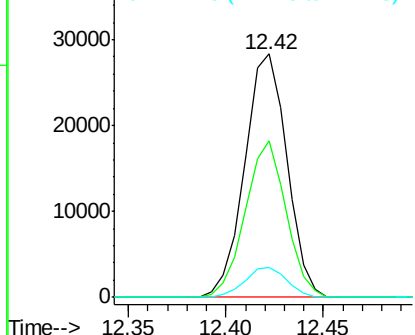
#40
Hexachlorocyclopentadiene
Concen: 6.640 ng
RT: 12.42 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BN000746.D
Acq: 18 Apr 2018 19:05

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion:237 Resp: 42440
Ion Ratio Lower Upper
237 100
235 64.4 50.4 90.4
272 12.4 0.0 31.8

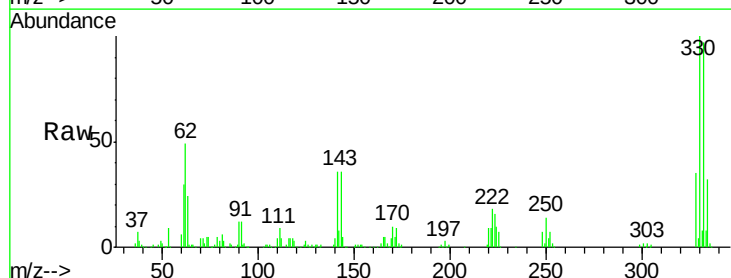


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

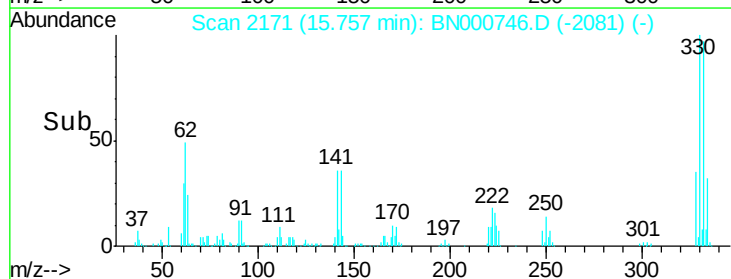
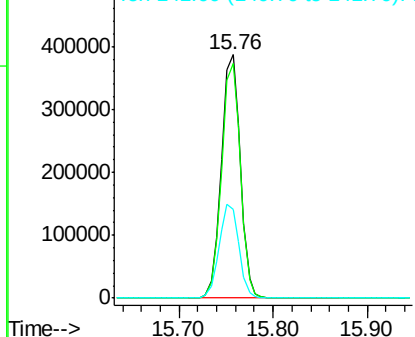


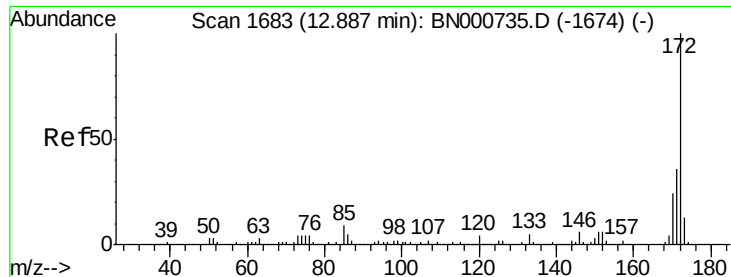
#41
2,4,6-Tribromophenol
Concen: 154.244 ng
RT: 15.76 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN000746.D
Acq: 18 Apr 2018 19:05

Tgt Ion:330 Resp: 545685
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 39.6 25.2 37.8#



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

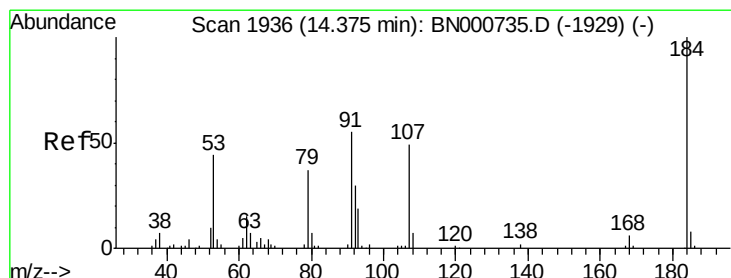
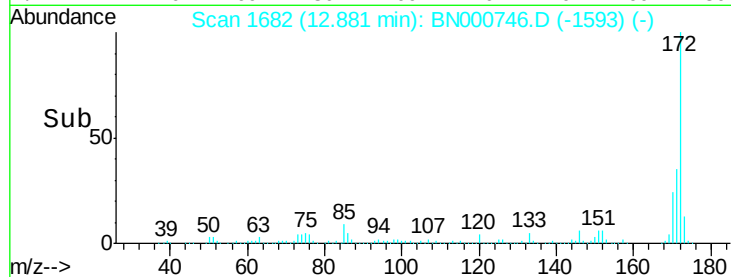
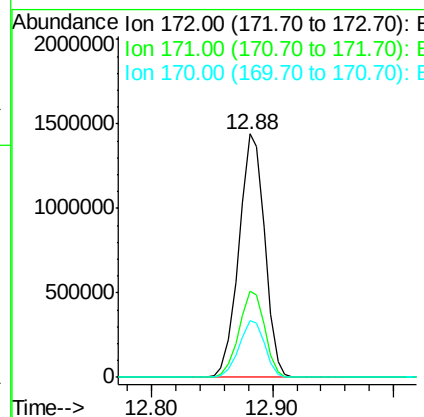
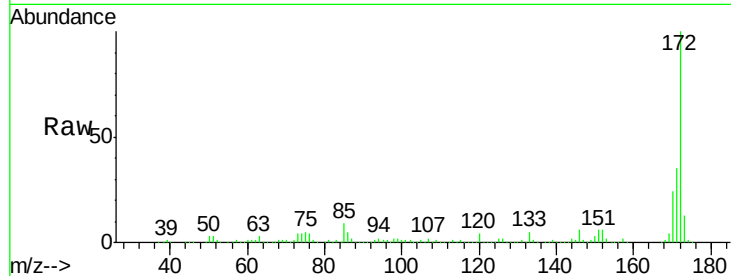




#44
 2-Fluorobiphenyl
 Concen: 84.172 ng
 RT: 12.88 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BN000746.D
 Acq: 18 Apr 2018 19:05

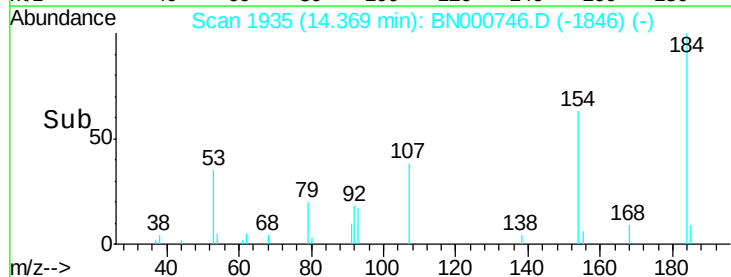
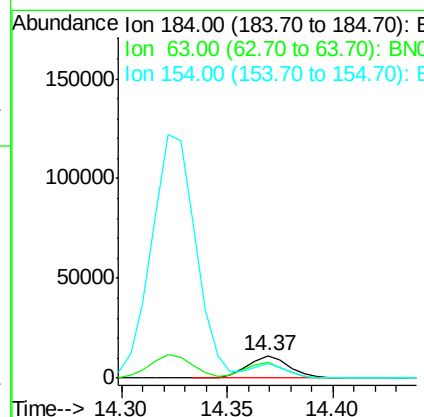
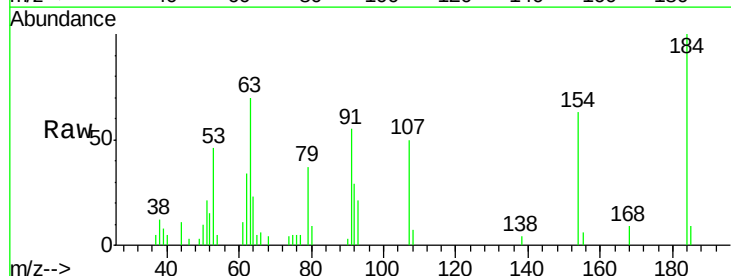
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

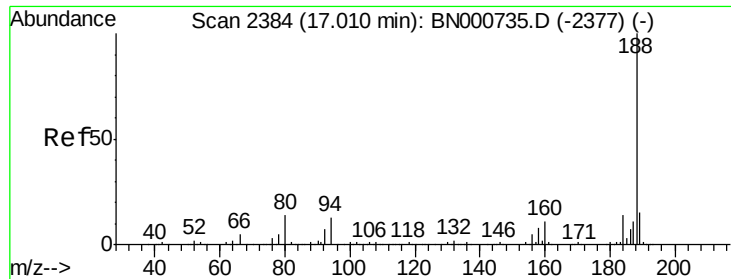
Tot Ion:172 Resp: 2142756
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.0 45.0
 170 23.5 19.5 29.3



#53
 2,4-Dinitrophenol
 Concen: 10.228 ng
 RT: 14.37 min Scan# 1935
 Delta R.T. -0.00 min
 Lab File: BN000746.D
 Acq: 18 Apr 2018 19:05

Tgt Ion:184 Resp: 15098
 Ion Ratio Lower Upper
 184 100
 63 69.9 56.0 84.0
 154 62.7 48.0 72.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BN000746.D

Acq: 18 Apr 2018 19:05

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

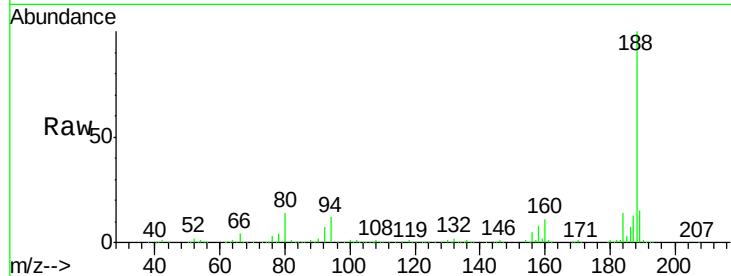
Tot Ion:188 Resp: 752008

Ion Ratio Lower Upper

188 100

94 12.5 6.9 10.3#

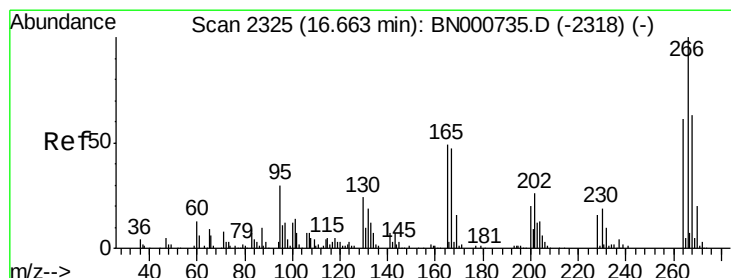
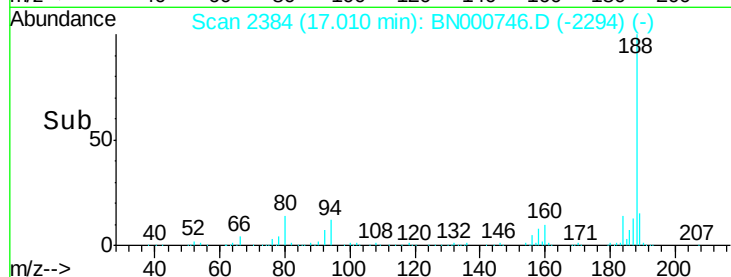
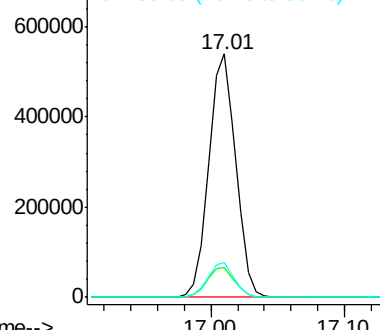
80 14.1 7.7 11.5#



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



#69

Pentachlorophenol

Concen: 6.093 ng

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN000746.D

Acq: 18 Apr 2018 19:05

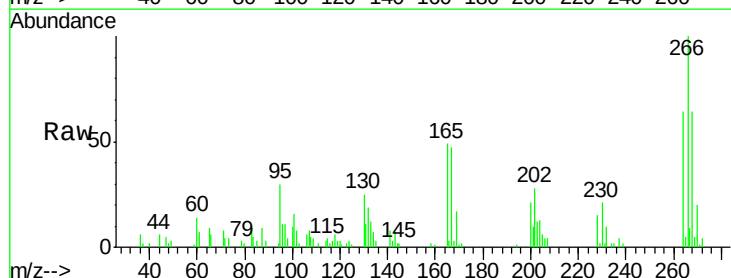
Tgt Ion:266 Resp: 34827

Ion Ratio Lower Upper

266 100

268 63.9 51.1 76.7

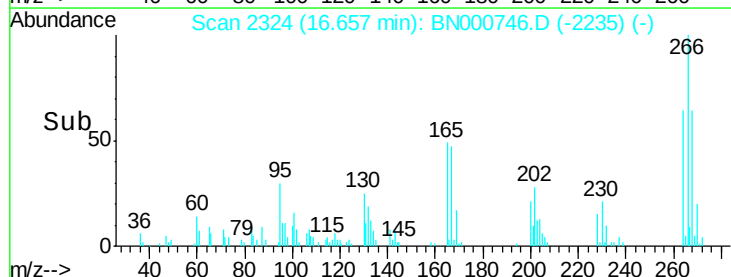
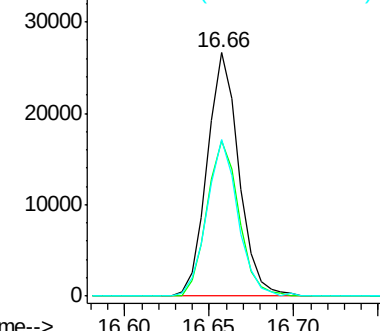
264 64.2 49.6 74.4

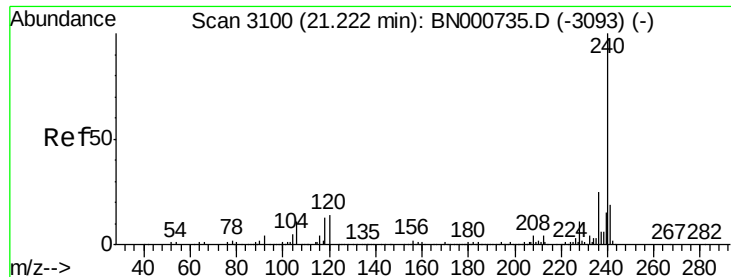


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN000746.D

Acq: 18 Apr 2018 19:05

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2018

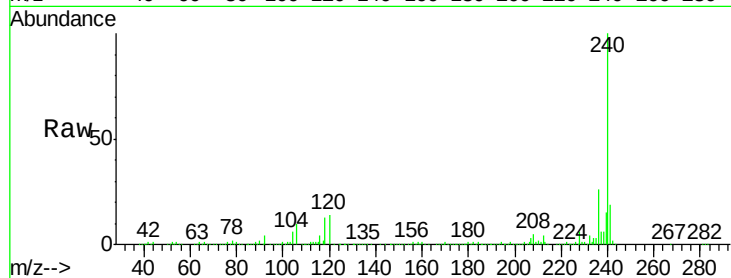
Tot Ion:240 Resp: 747698

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

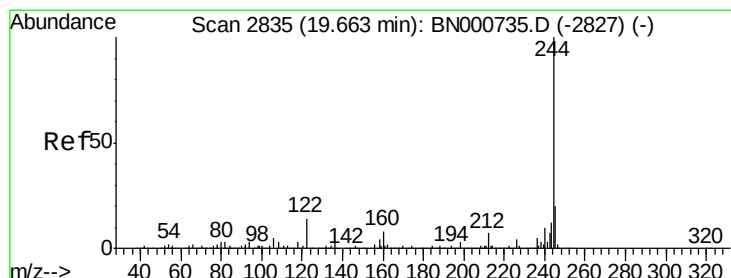
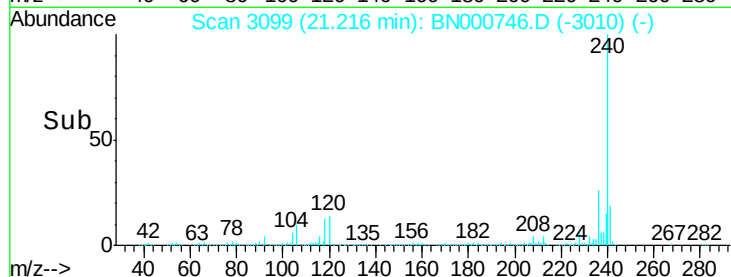
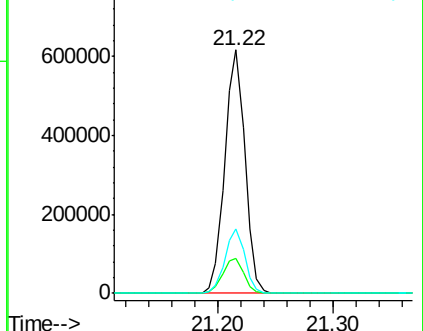
236 26.2 20.9 31.3



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



#78

Terphenyl-d14

Concen: 81.134 ng

RT: 19.66 min Scan# 2835

Delta R.T. 0.00 min

Lab File: BN000746.D

Acq: 18 Apr 2018 19:05

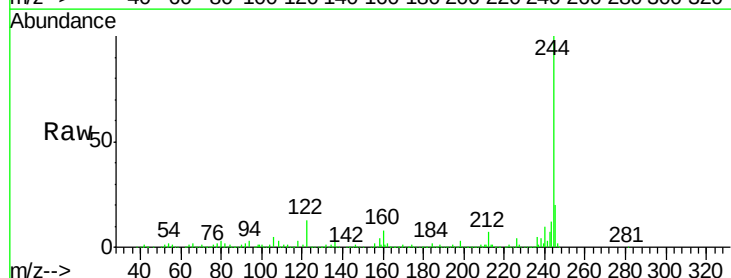
Tgt Ion:244 Resp: 2813557

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

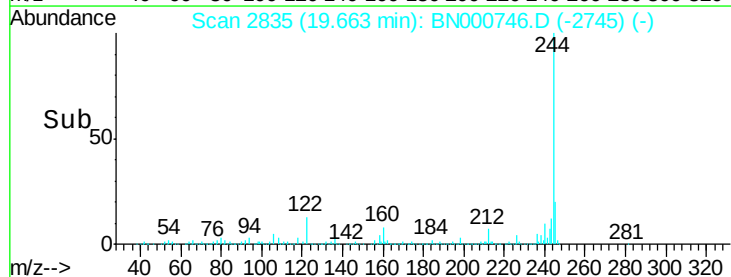
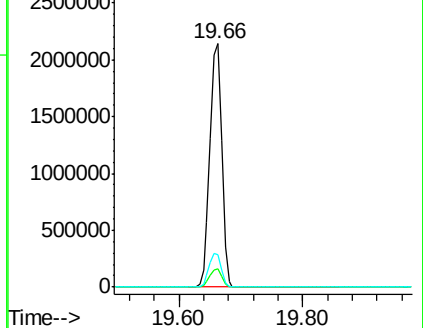
122 13.2 7.0 10.4#

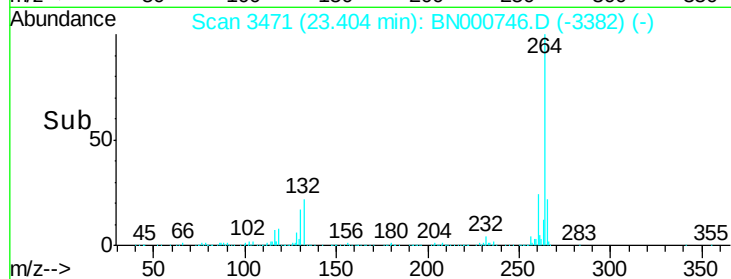
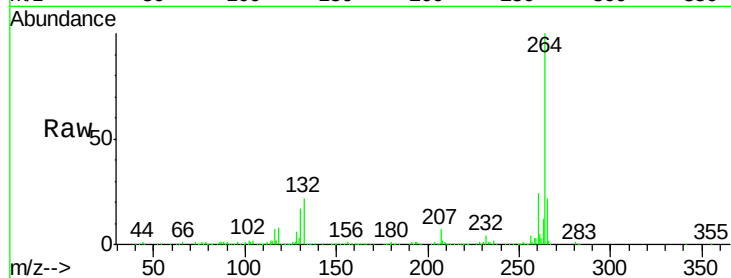
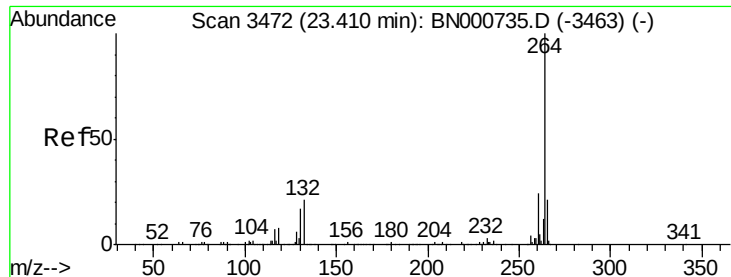


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

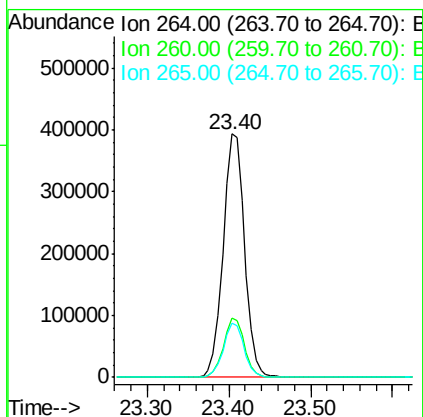




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000746.D
Acq: 18 Apr 2018 19:05

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	22.1	17.7	26.5



Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000746.D
 Acq On : 18 Apr 2018 19:05
 Operator : JU/SJ
 Sample : J2133-01
 Misc : 8PPM LOD
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2018

Quant Time: Apr 19 05:00:15 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	144631	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	642433	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	351422	20.00	ng	0.00
63) Phenanthrene-d10	17.01	188	752008	20.00	ng	0.00
75) Chrysene-d12	21.22	240	747698	20.00	ng	0.00
86) Perylene-d12	23.40	264	716857	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1280973	131.57	ng	0.00
7) Phenol-d6	6.82	99	1749678	131.87	ng	0.00
23) Nitrobenzene-d5	8.78	82	1060885	86.09	ng	0.00
41) 2,4,6-Tribromophenol	15.76	330	545685	154.24	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	2142756	84.17	ng	0.00
78) Terphenyl-d14	19.66	244	2813557	81.13	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.42	237	42440	6.640	ng	94
53) 2,4-Dinitrophenol	14.37	184	15098	10.228	ng	98
69) Pentachlorophenol	16.66	266	34827	6.093	ng	99

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