

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101718\
 Data File : BM017186.D
 Acq On : 18 Oct 2018 10:57
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : LOD 8 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 18 14:53:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

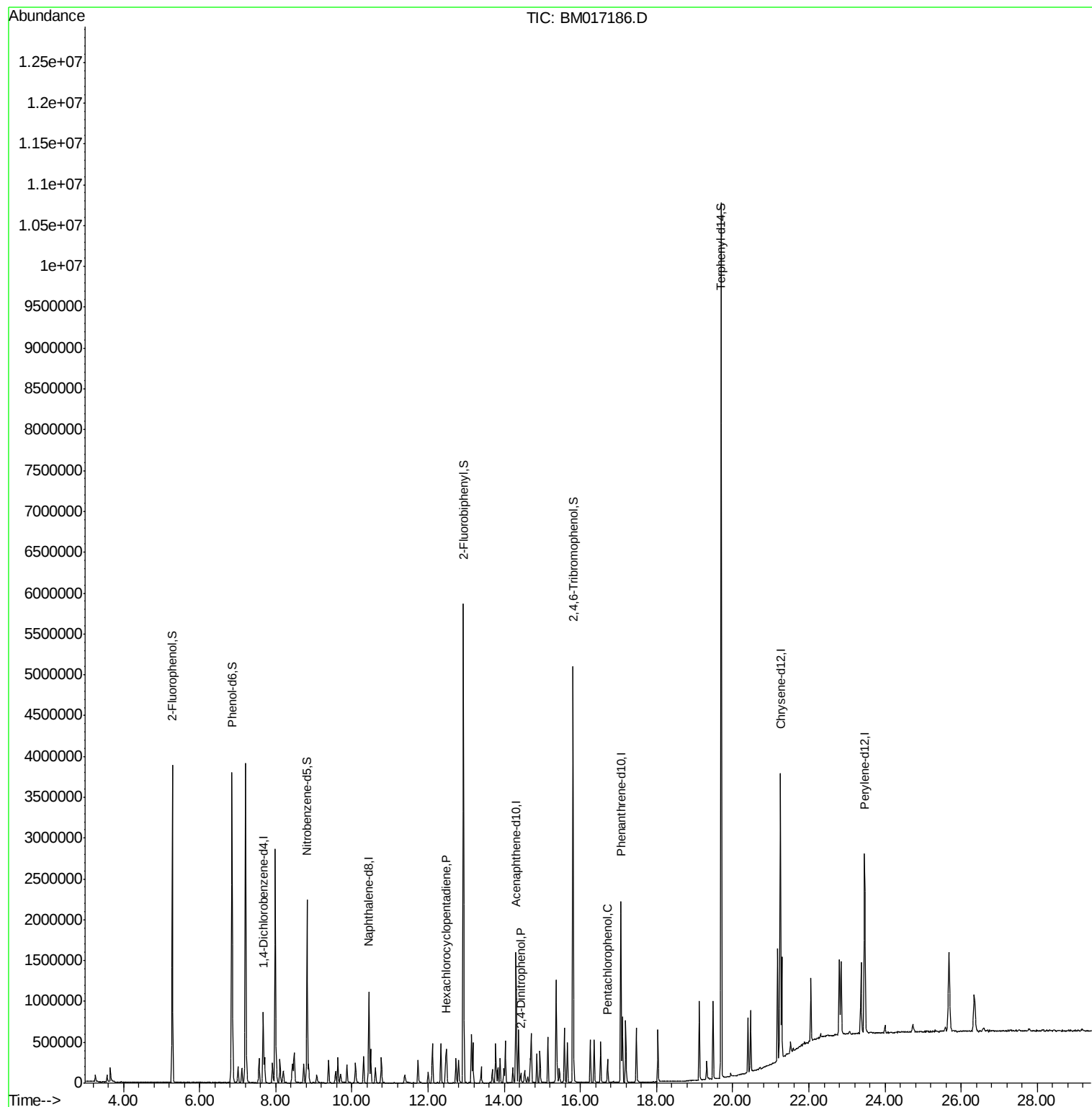
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	222525	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	911391	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	536461	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1270367	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1526499	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1609688	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1557796	118.40	ng	0.00
7) Phenol-d6	6.85	99	2028259	113.19	ng	0.00
23) Nitrobenzene-d5	8.82	82	1211822	77.76	ng	-0.01
42) 2,4,6-Tribromophenol	15.80	330	897529	123.71	ng	-0.01
45) 2-Fluorobiphenyl	12.93	172	2918762	72.39	ng	0.00
79) Terphenyl-d14	19.70	244	4745613	70.07	ng	0.00
Target Compounds						
41) Hexachlorocyclopentadiene	12.46	237	75005	8.212	ng	99
54) 2,4-Dinitrophenol	14.43	184	24265	12.300	ng	97
70) Pentachlorophenol	16.71	266	50213	4.524	ng	96

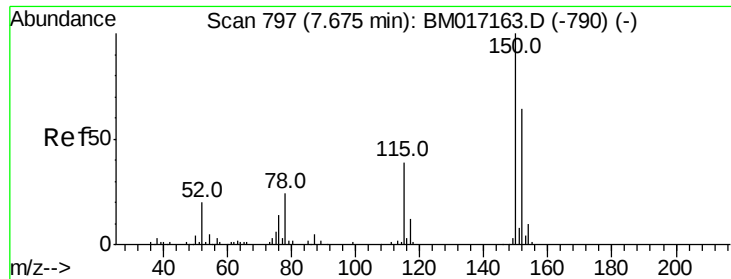
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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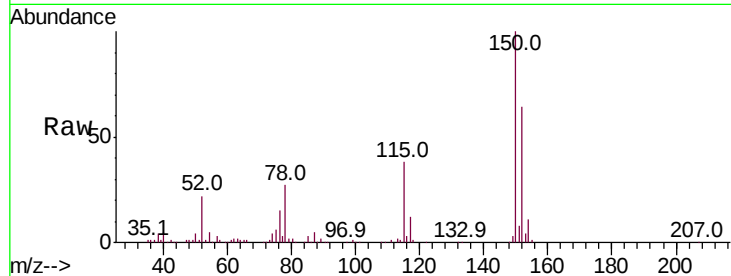


#1

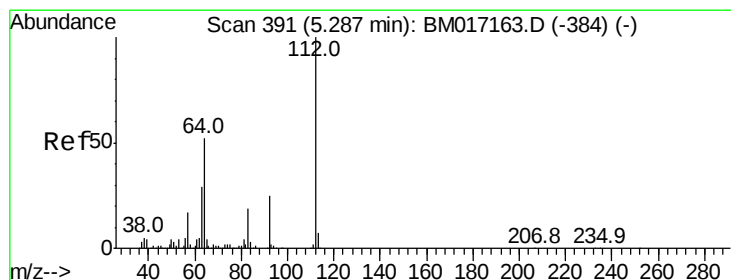
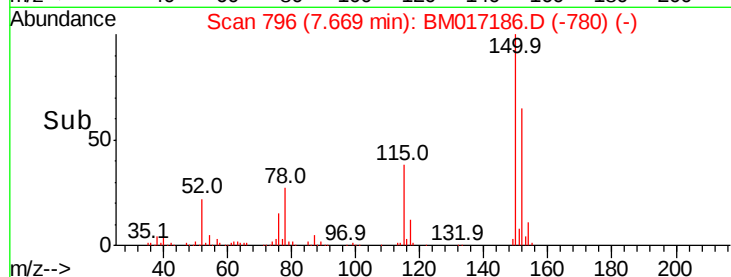
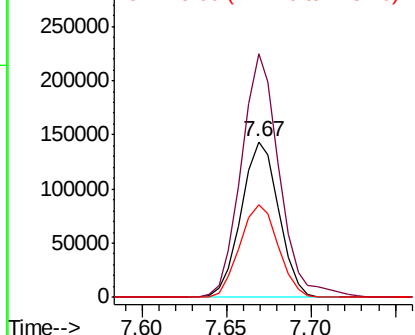
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:152 Resp: 222525
Ion Ratio Lower Upper
152 100
150 156.2 124.3 186.5
115 59.3 48.1 72.1



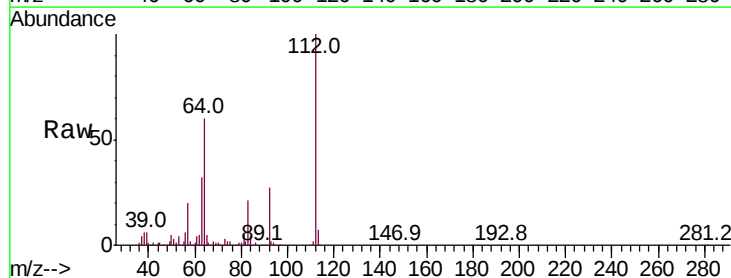
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



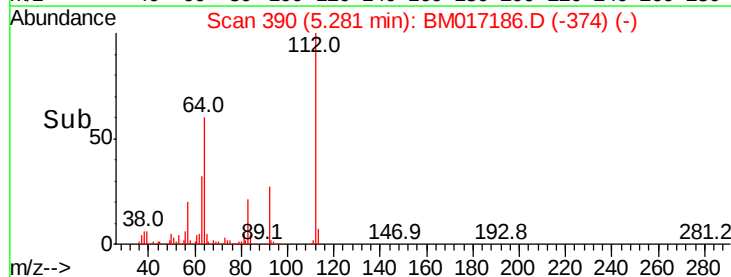
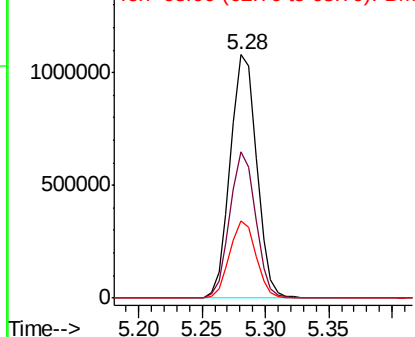
#5

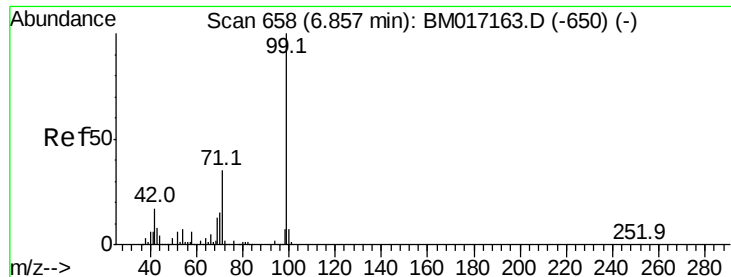
2-Fluorophenol
Concen: 118.403 ng
RT: 5.28 min Scan# 390
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:112 Resp: 1557796
Ion Ratio Lower Upper
112 100
64 60.0 41.7 62.5
63 31.6 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 113.192 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

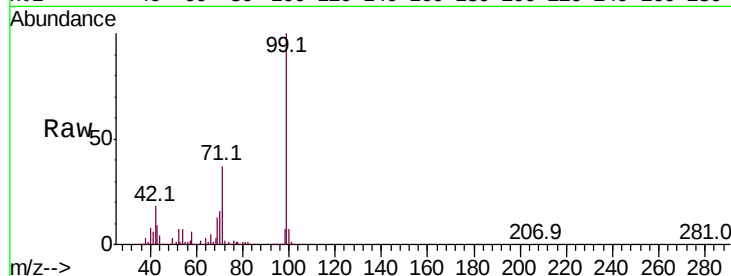
Tot Ion: 99 Resp: 2028259

Ion Ratio Lower Upper

99 100

42 18.4 13.3 19.9

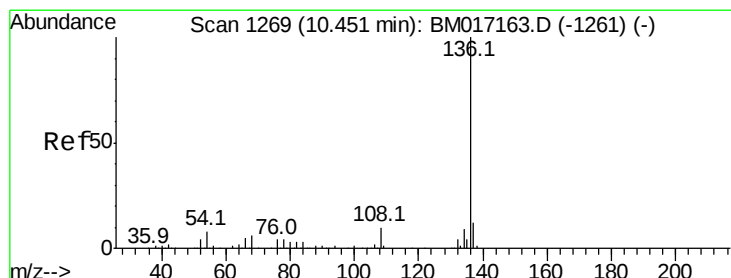
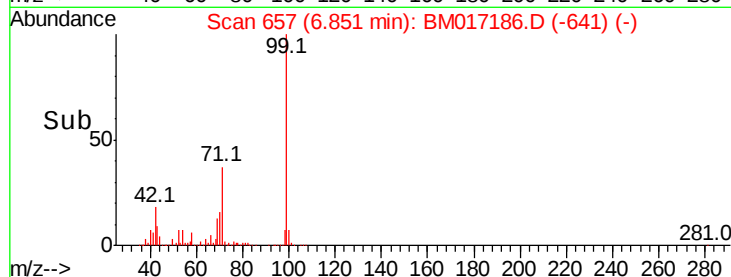
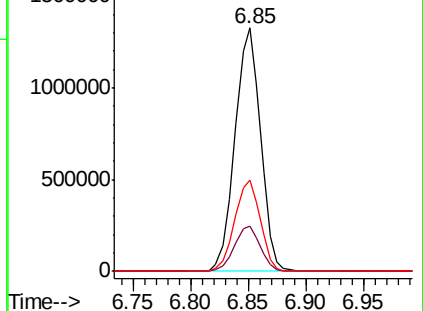
71 37.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Tgt Ion: 136 Resp: 911391

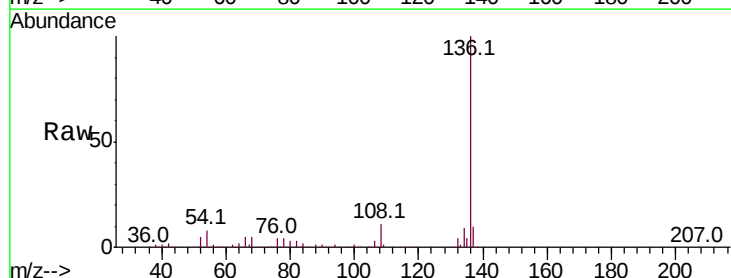
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 7.8 6.7 10.1

68 5.5 4.7 7.1

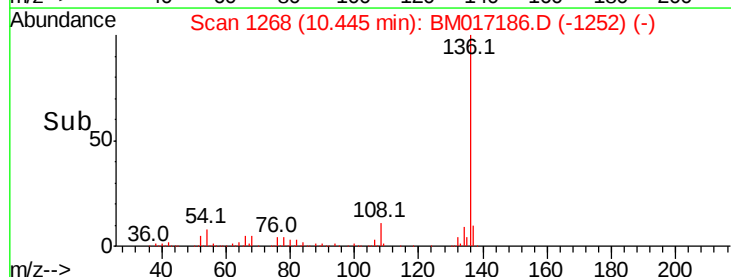
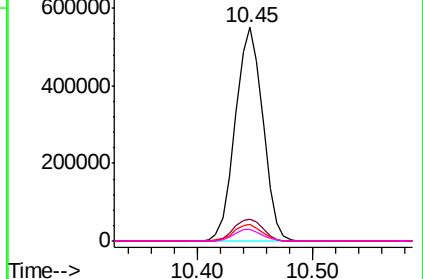


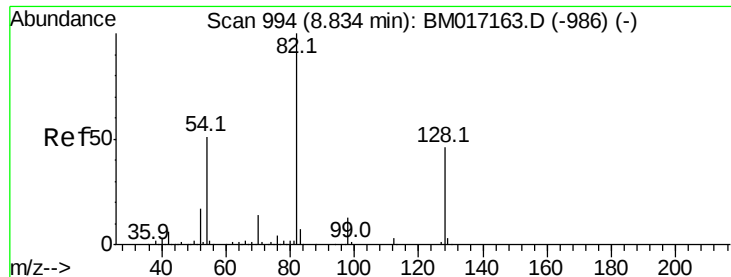
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1261) (-)

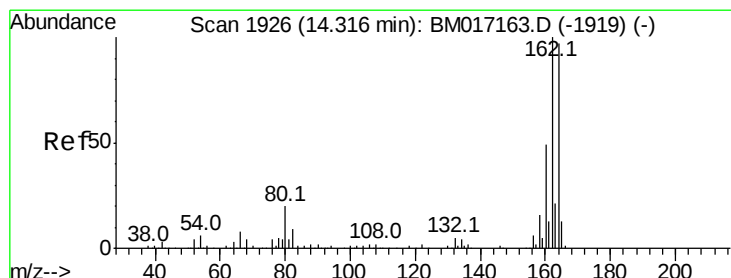
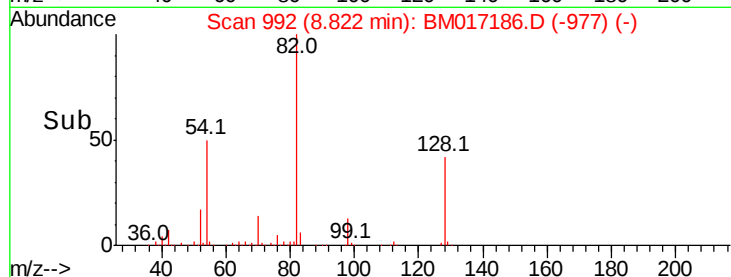
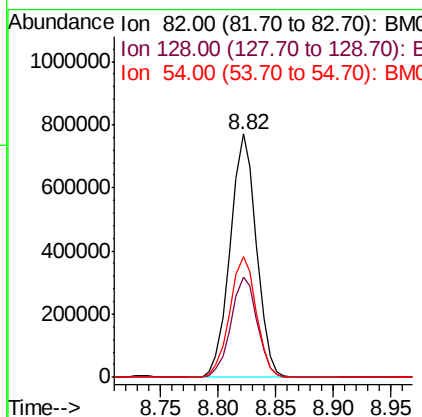
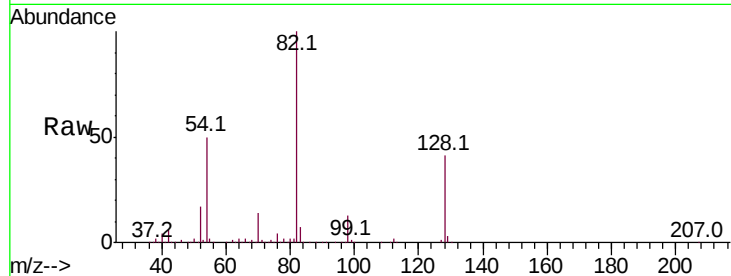




#23
 Nitrobenzene-d5
 Concen: 77.765 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

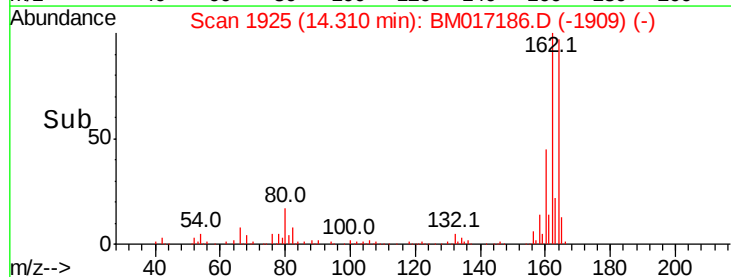
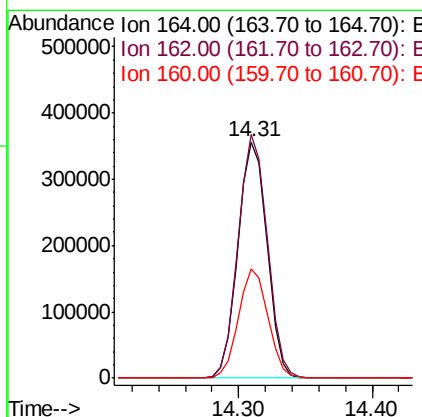
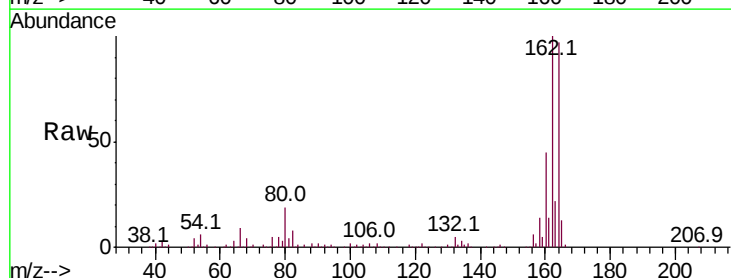
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

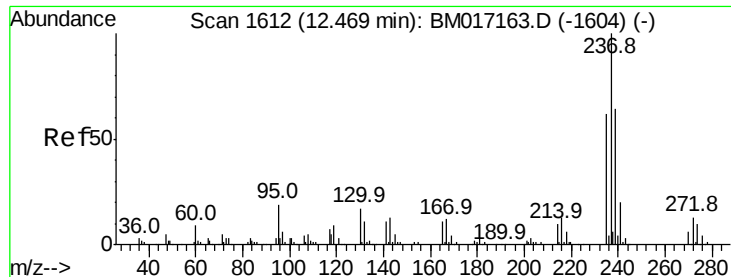
Tot Ion: 82 Resp: 1211822
 Ion Ratio Lower Upper
 82 100
 128 41.3 37.0 55.6
 54 49.7 40.7 61.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.31 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion:164 Resp: 536461
 Ion Ratio Lower Upper
 164 100
 162 103.0 82.1 123.1
 160 46.0 40.2 60.2





#41

Hexachlorocyclopentadiene

Concen: 8.212 ng

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

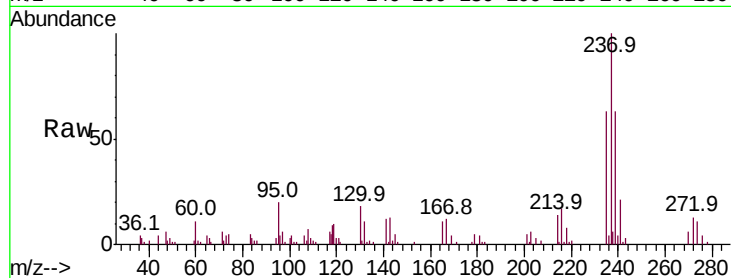
Tot Ion:237 Resp: 75005

Ion Ratio Lower Upper

237 100

235 63.2 42.4 82.4

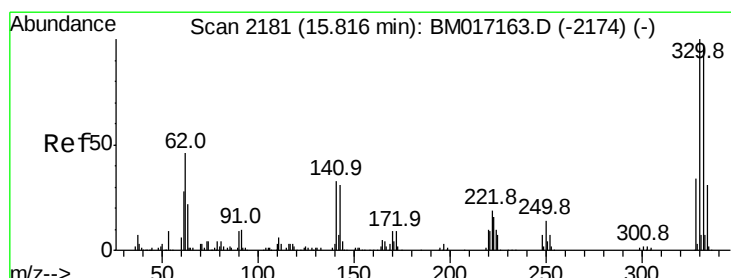
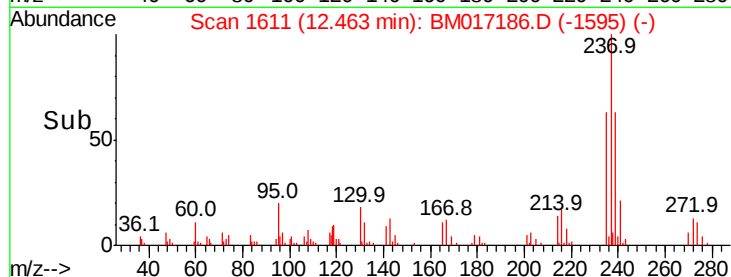
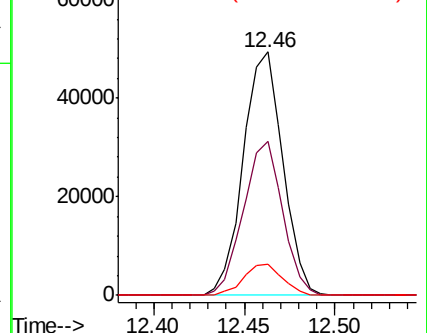
272 12.9 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 123.714 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

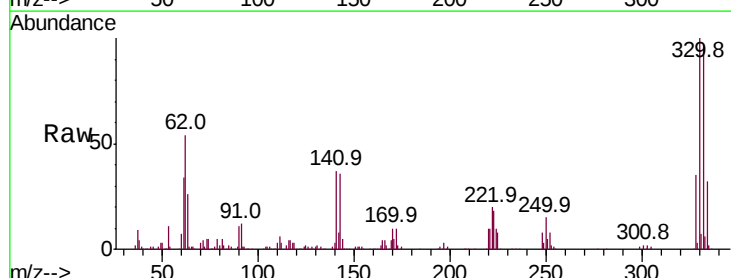
Tgt Ion:330 Resp: 897529

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

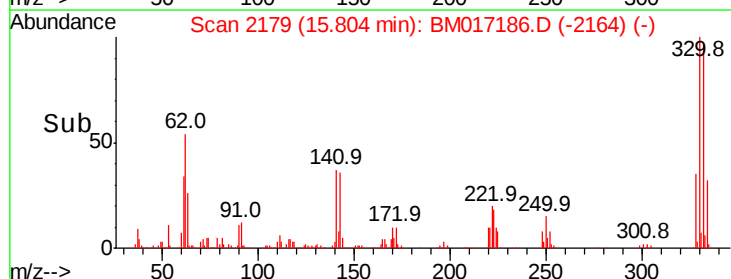
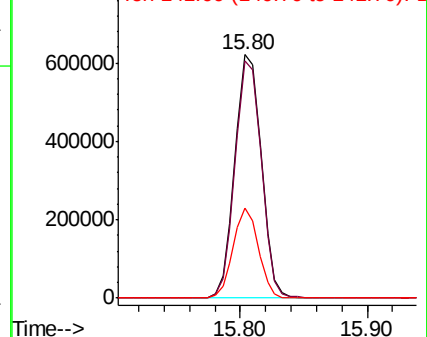
141 35.5 27.4 41.0

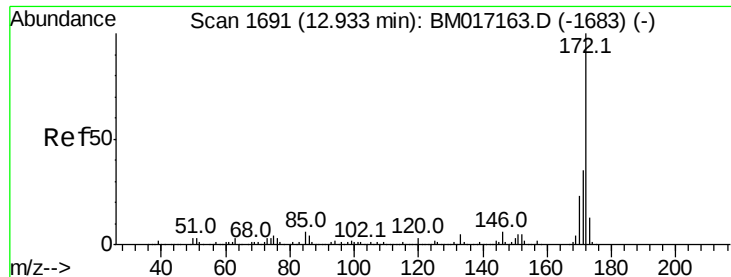


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



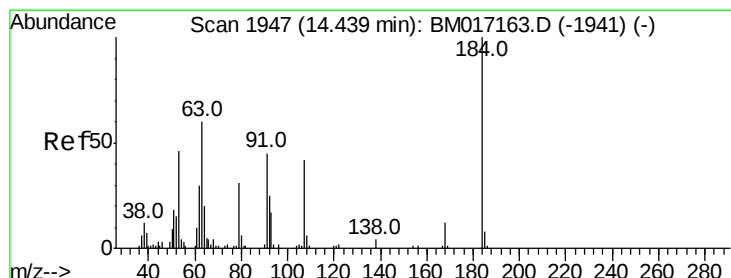
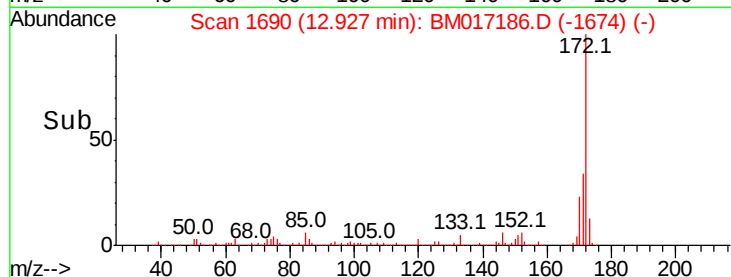
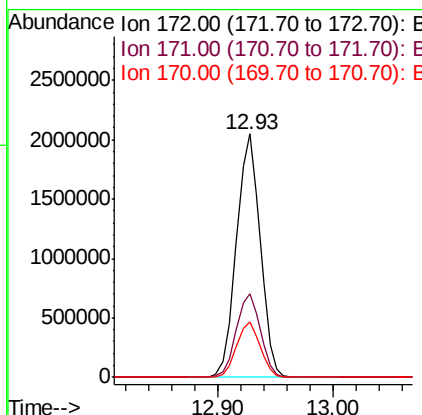
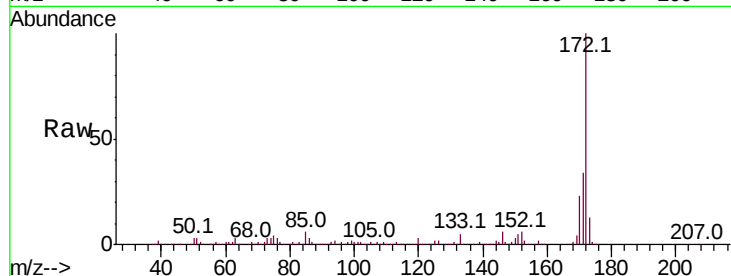


#45
2-Fluorobiphenyl
Concen: 72.392 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:172 Resp: 2918762

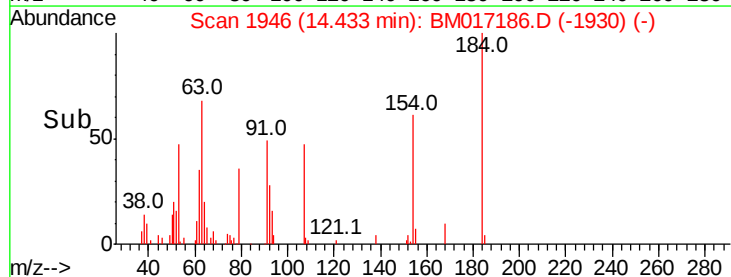
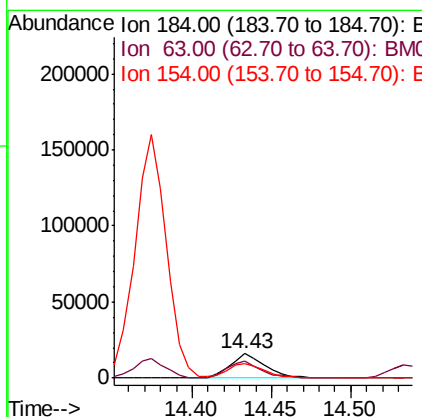
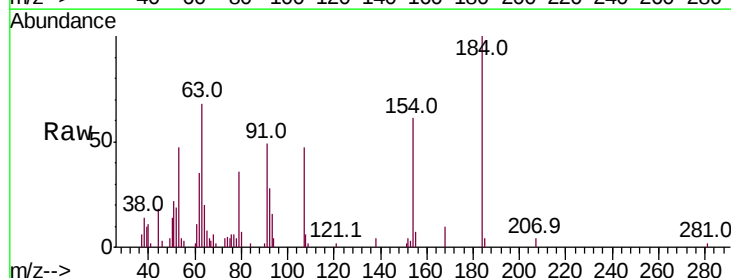
Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.3	42.5
170	22.8	18.3	27.5

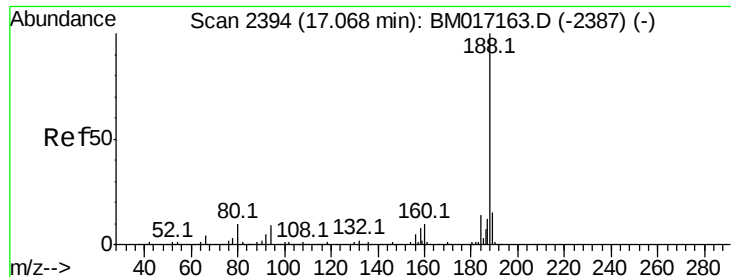


#54
2,4-Dinitrophenol
Concen: 12.300 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:184 Resp: 24265

Ion	Ratio	Lower	Upper
184	100		
63	67.9	51.2	76.8
154	61.1	47.8	71.8

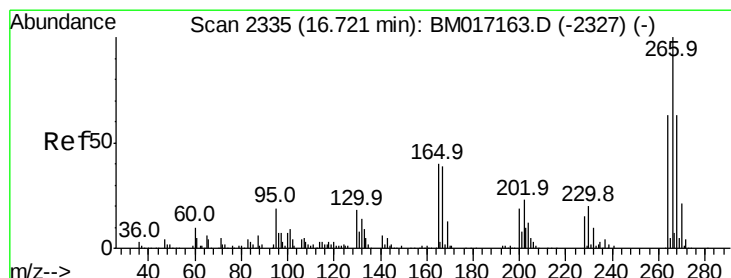
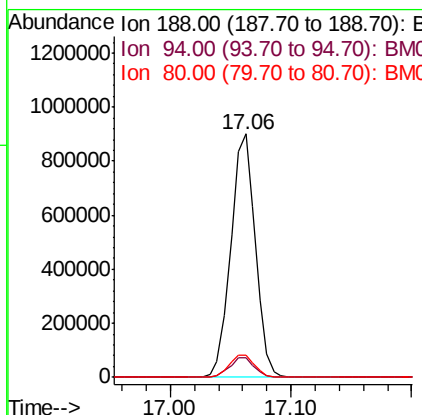
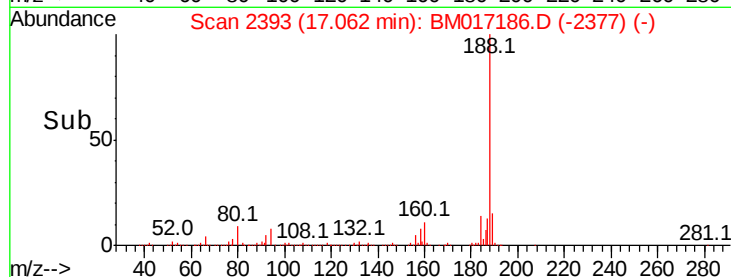
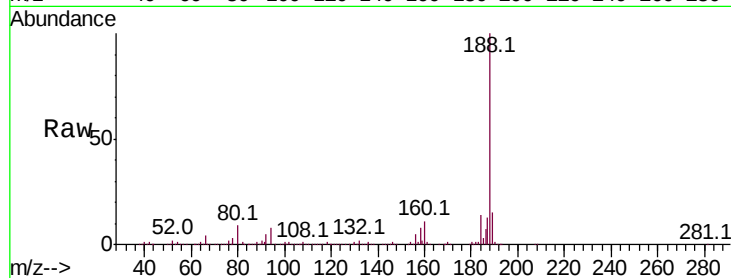




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

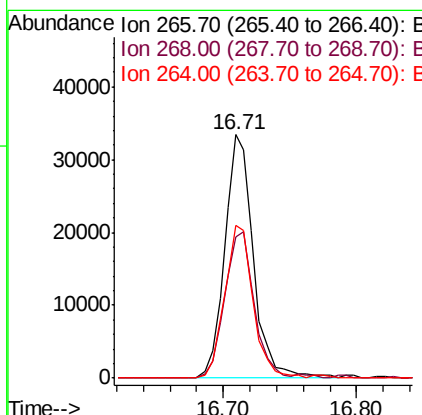
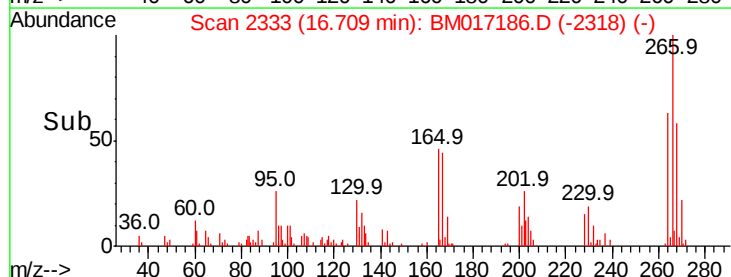
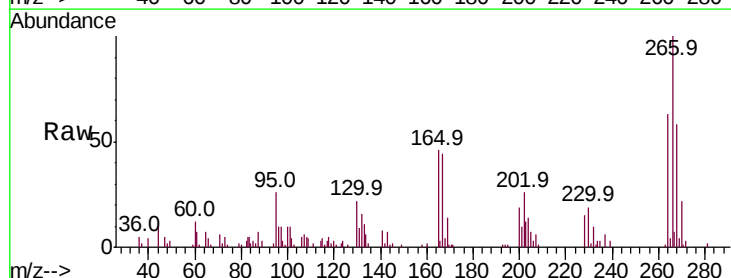
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

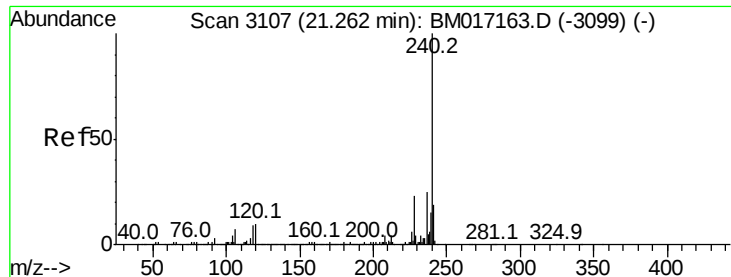
Tot Ion:188 Resp: 1270367
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 8.9 7.7 11.5



#70
Pentachlorophenol
Concen: 4.524 ng
RT: 16.71 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:266 Resp: 50213
Ion Ratio Lower Upper
266 100
268 58.1 50.7 76.1
264 62.8 50.4 75.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

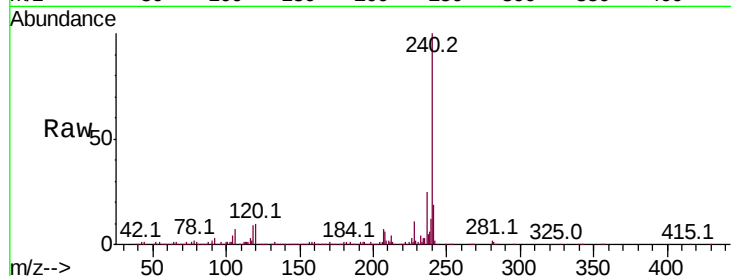
Tot Ion:240 Resp: 1526499

Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

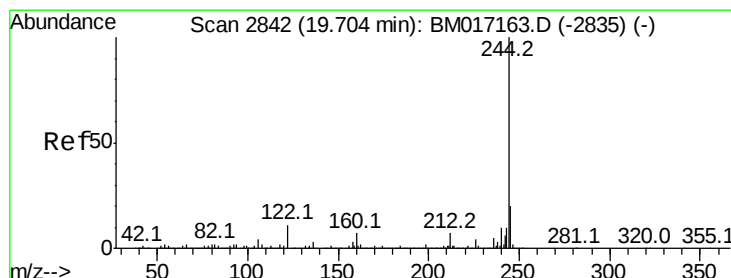
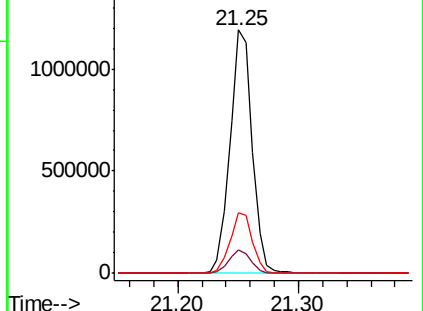
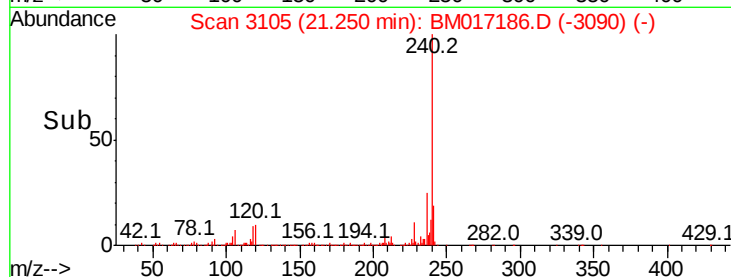
236 25.0 19.9 29.9



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



#79

Terphenyl-d14

Concen: 70.073 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

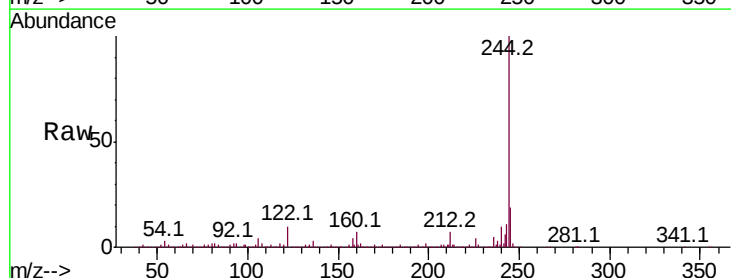
Tgt Ion:244 Resp: 4745613

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

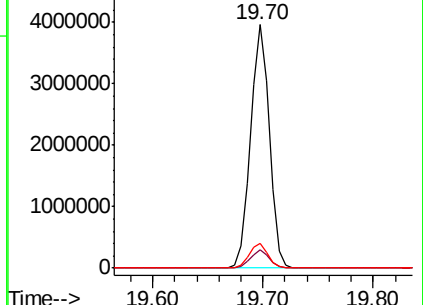
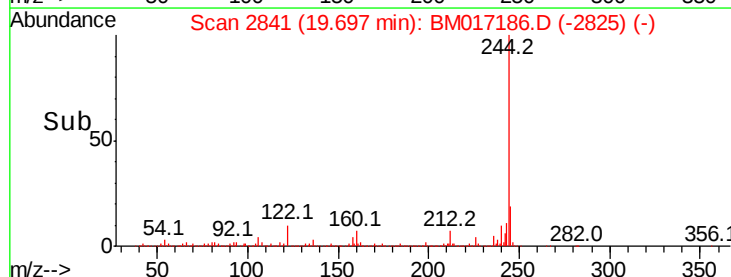
122 10.0 8.4 12.6

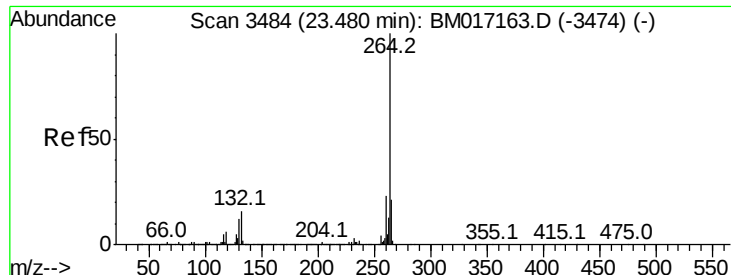


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3481
Delta R.T. -0.02 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tot Ion:264 Resp: 1609688

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.9	17.8	26.8

