

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101718\
 Data File : BM017185.D
 Acq On : 18 Oct 2018 10:22
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : LOD 5 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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 10/18/2018 5:33:41 PM

Quant Time: Oct 18 14:43:19 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	191754	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	806490	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	471829	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1119057	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1329997	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1369520	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1532943	135.21	ng	0.00
7) Phenol-d6	6.85	99	2008351	130.07	ng	0.00
23) Nitrobenzene-d5	8.82	82	1202058	87.17	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	903090	141.53	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2928033	82.57	ng	0.00
79) Terphenyl-d14	19.70	244	4712663	79.87	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.27	88	22692	3.920	ng	# 76
3) Pyridine	3.66	79	60829	4.566	ng	# 81
4) n-Nitrosodimethylamine	3.57	42	28103	5.255	ng	# 70
32) Benzoic acid	9.69	122	23362m	3.110	ng	
33) 4-Chloroaniline	10.62	127	57683	3.379	ng	# 96
35) Caprolactam	11.39	113	13553	3.181	ng	94
53) 3-Nitroaniline	14.23	138	26655	3.072	ng	98
56) 4-Nitrophenol	14.54	139	24157	7.591	ng	86
65) 4,6-Dinitro-2-methylphenol	15.45	198	21964	9.613	ng	97

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

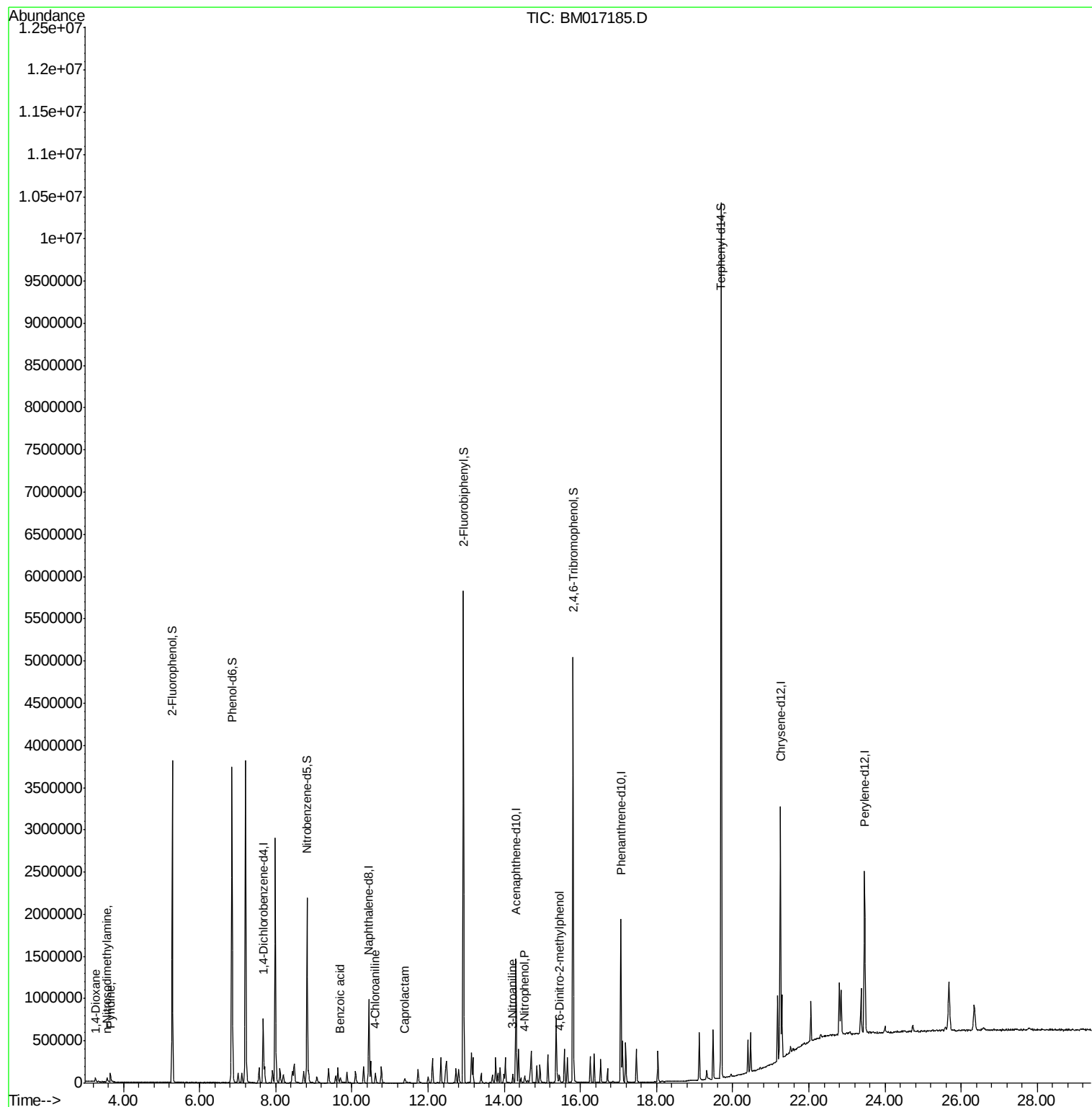
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101718\
Data File : BM017185.D
Acq On : 18 Oct 2018 10:22
Operator : MJ/SJ
Sample : J5164-01
Misc : LOD 5 PPM
ALS Vial : 5 Sample Multiplier: 1

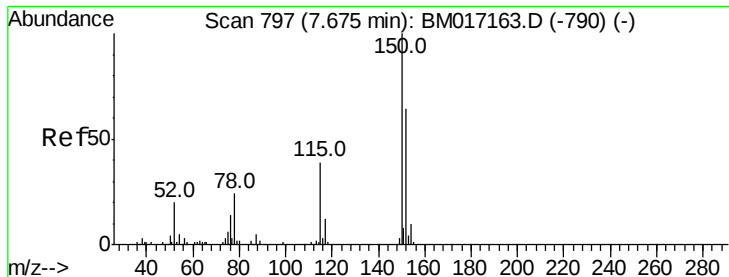
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
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#1

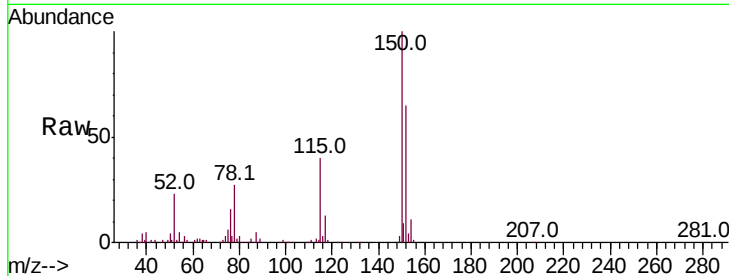
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.3	186.5
115	62.5	48.1	72.1

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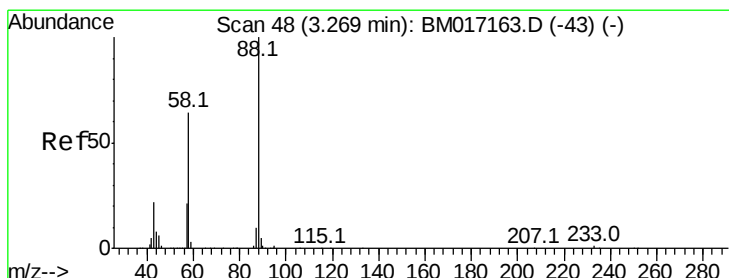
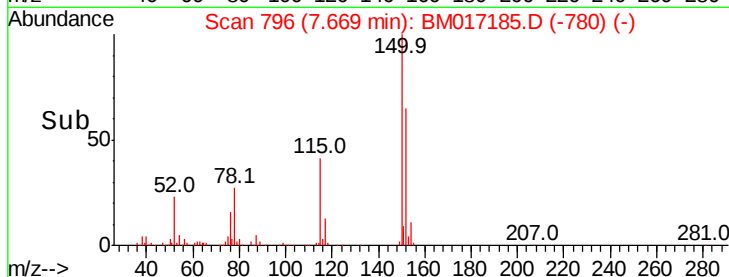
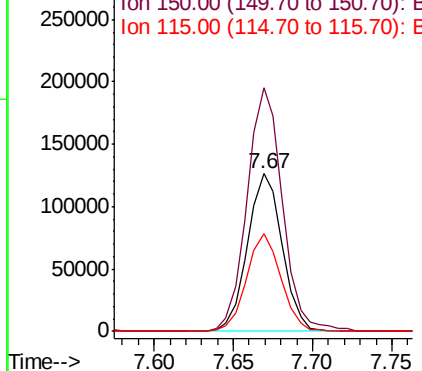


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

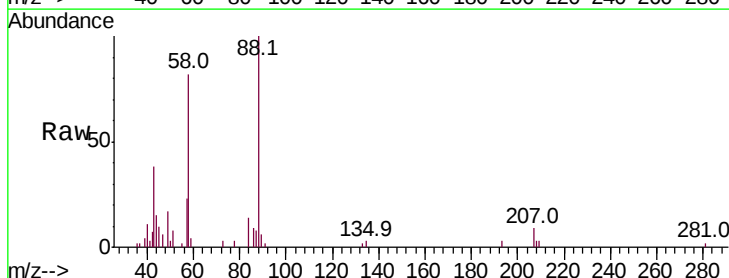
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 3.920 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.4	50.2	75.4#
43	36.8	19.3	28.9#

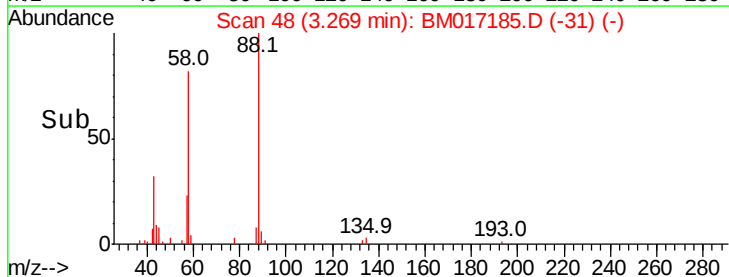
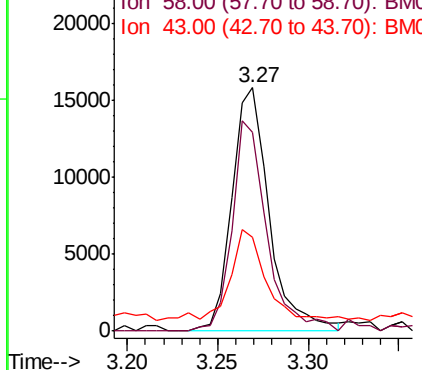


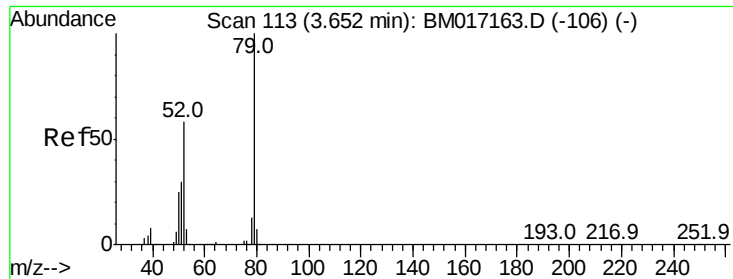
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 4.566 ng

RT: 3.66 min Scan# 114

Delta R.T. 0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

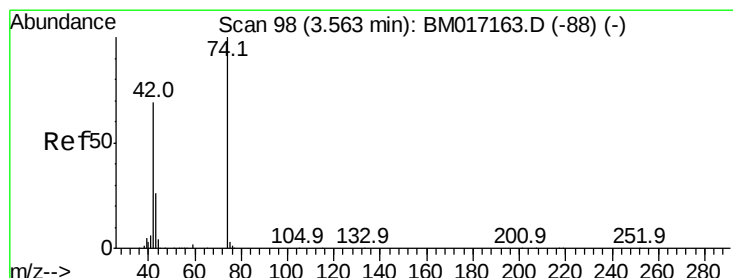
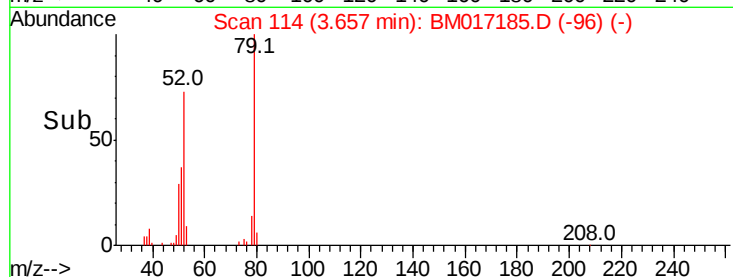
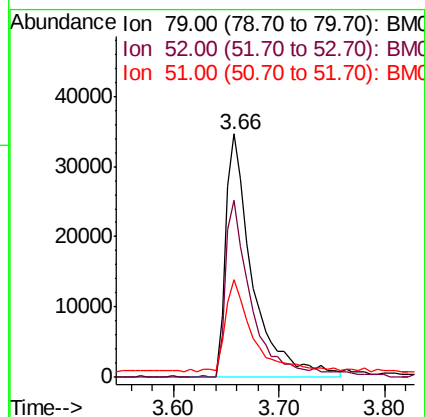
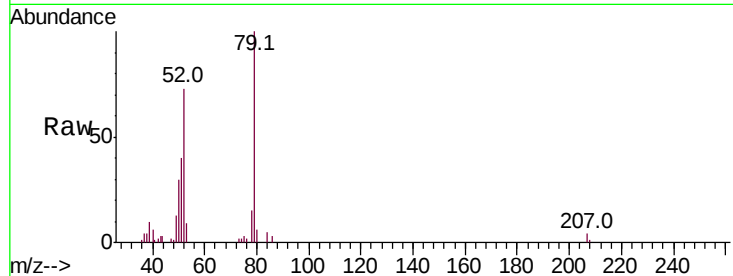
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	79	Resp:	60829
Ion Ratio	Lower	Upper	
79	100		
52	72.8	46.5	69.7#
51	40.2	24.6	37.0#

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#4

n-Nitrosodimethylamine

Concen: 5.255 ng

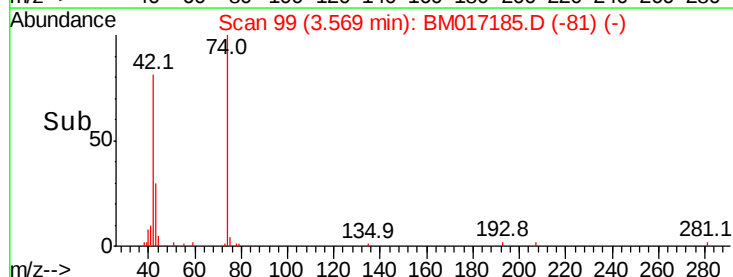
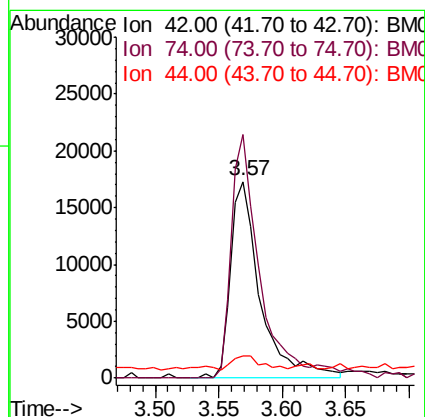
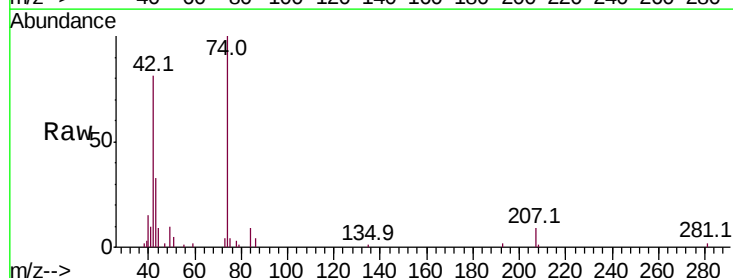
RT: 3.57 min Scan# 99

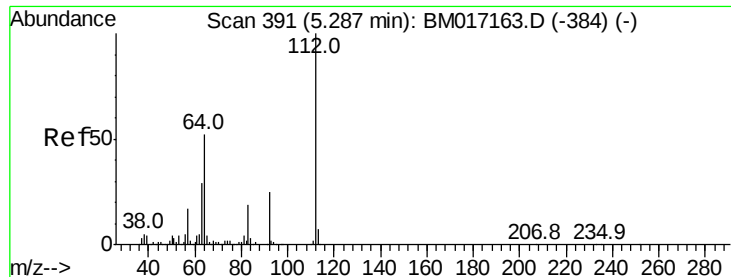
Delta R.T. 0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Tgt Ion:	42	Resp:	28103
Ion Ratio	Lower	Upper	
42	100		
74	123.7	114.4	171.6
44	11.5	48.6	73.0#





#5

2-Fluorophenol

Concen: 135.211 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:112 Resp: 1532943

Ion Ratio Lower Upper

112 100

64 59.2 41.7 62.5

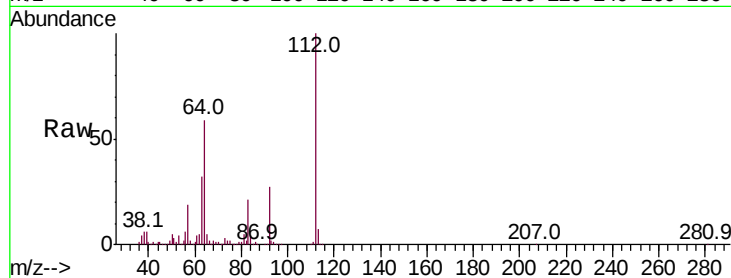
63 31.6 23.0 34.4

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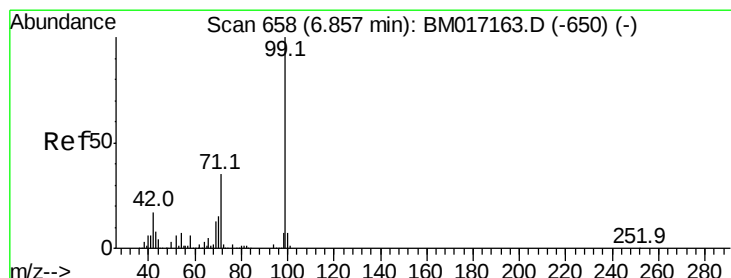
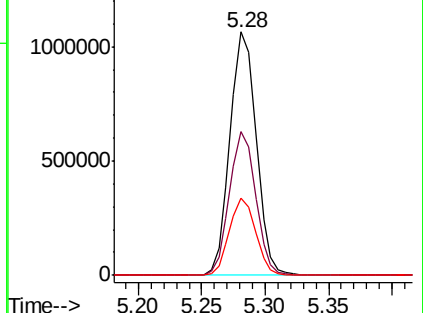
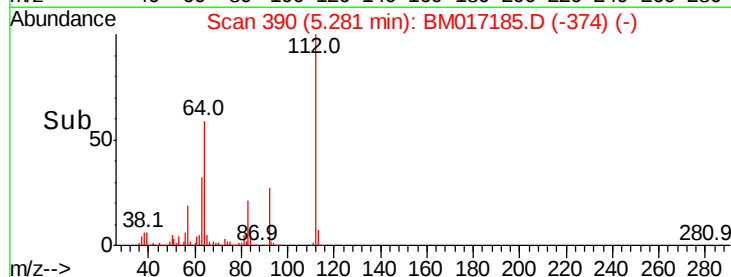
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 130.067 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

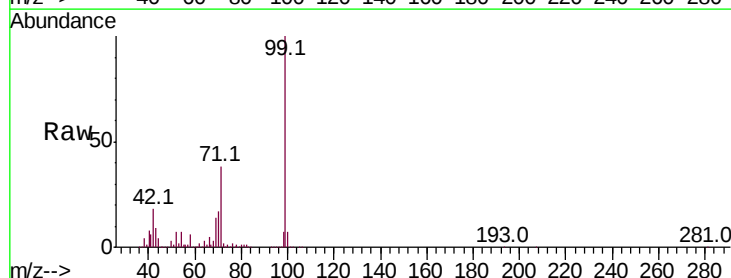
Tgt Ion: 99 Resp: 2008351

Ion Ratio Lower Upper

99 100

42 18.3 13.3 19.9

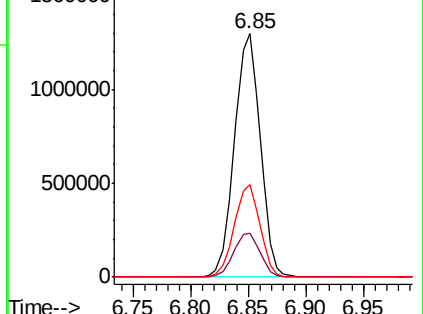
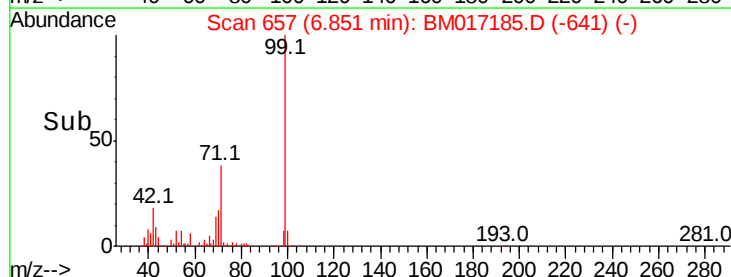
71 37.9 28.0 42.0

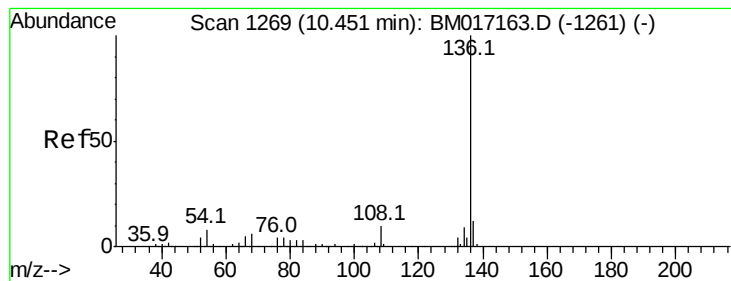


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





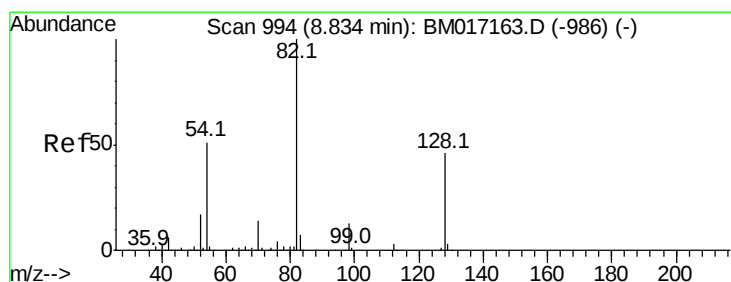
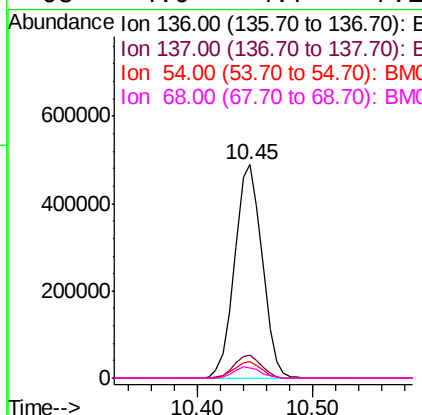
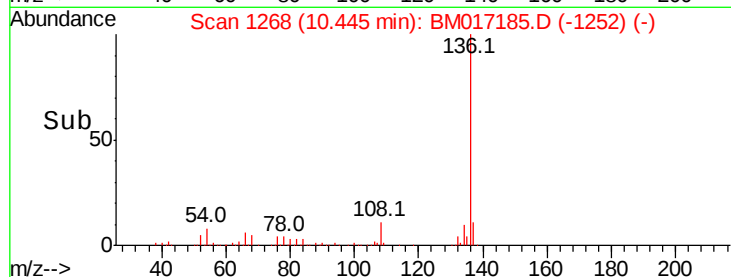
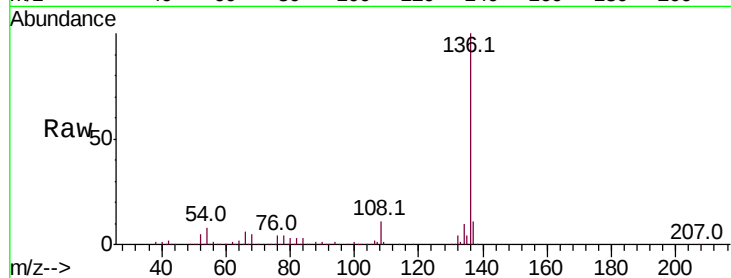
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.2	13.8	
54	7.8	6.7	10.1	
68	4.9	4.7	7.1	

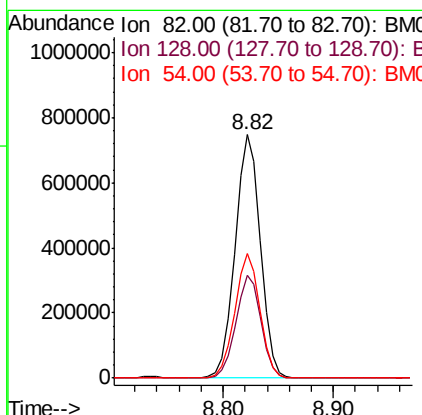
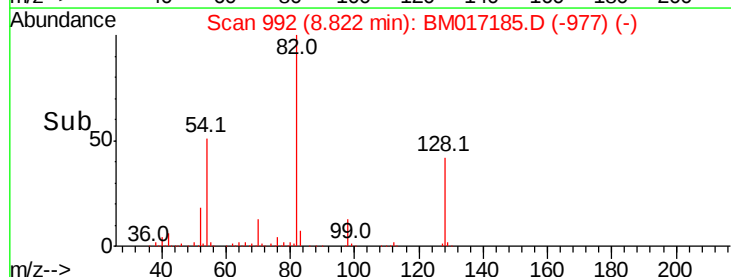
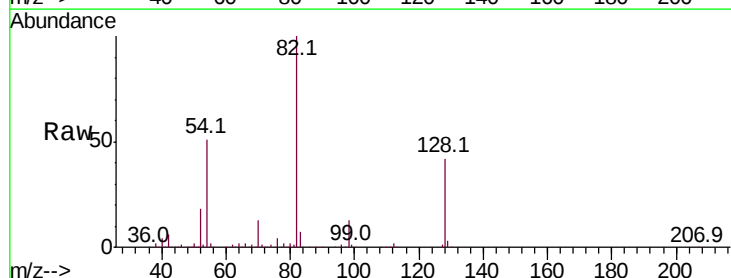
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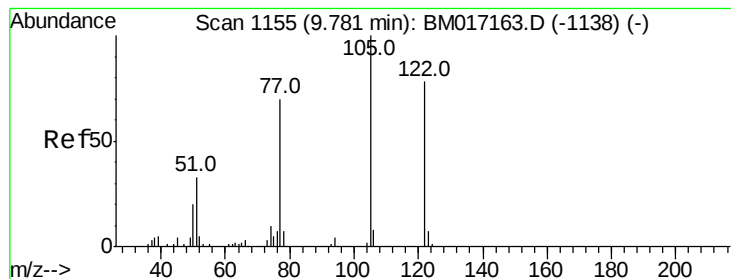
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#23
Nitrobenzene-d5
Concen: 87.172 ng
RT: 8.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.0	37.0	55.6	
54	51.1	40.7	61.1	





#32

Benzoic acid

Concen: 3.110 ng/mL

RT: 9.69 min Scan# 1140

Delta R.T. -0.09 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

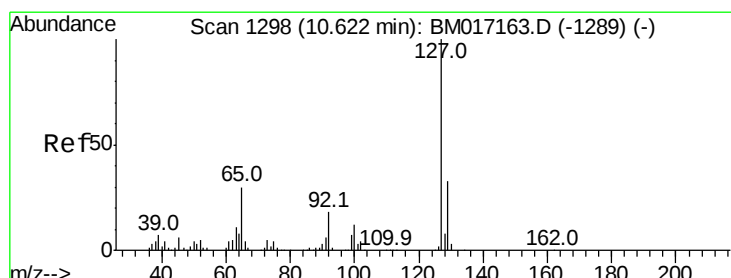
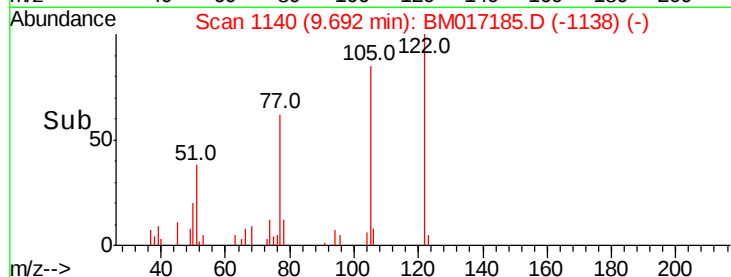
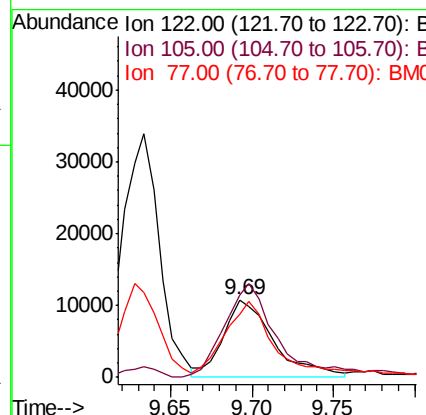
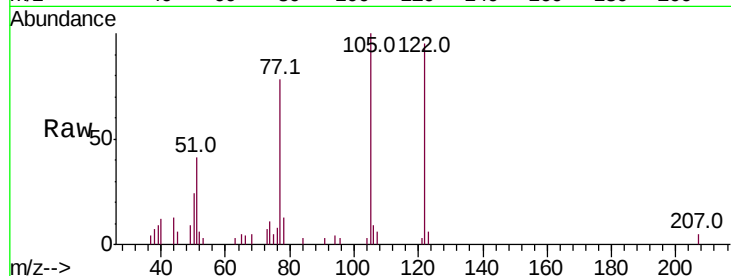
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	122	Resp:	23362
Ion Ratio	Lower	Upper	
122	100		
105	105.2	102.0	142.0
77	82.0	67.7	107.7

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#33

4-Chloroaniline

Concen: 3.379 ng/mL

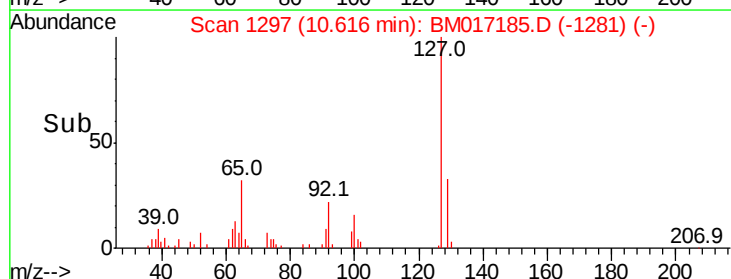
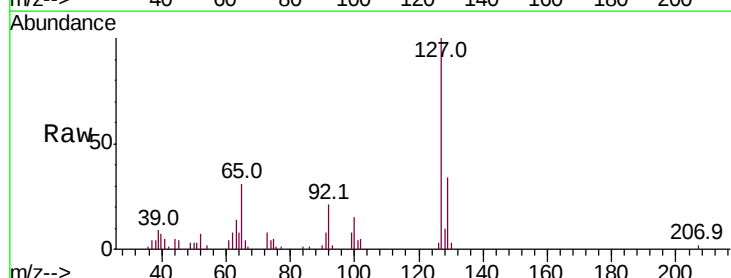
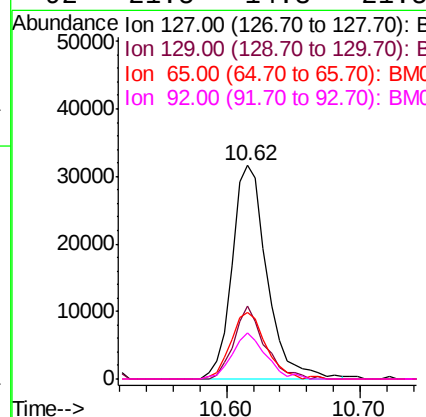
RT: 10.62 min Scan# 1297

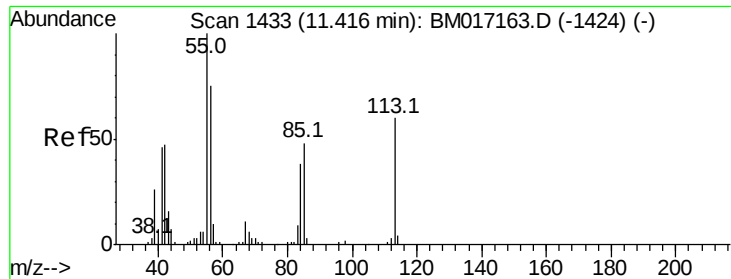
Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Tgt Ion:	127	Resp:	57683
Ion Ratio	Lower	Upper	
127	100		
129	34.1	26.2	39.4
65	31.4	23.7	35.5
92	21.5	14.3	21.5#





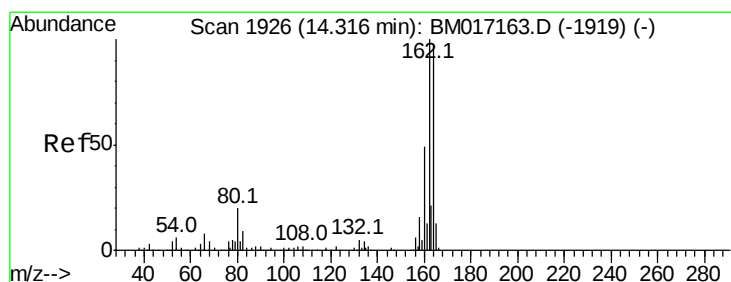
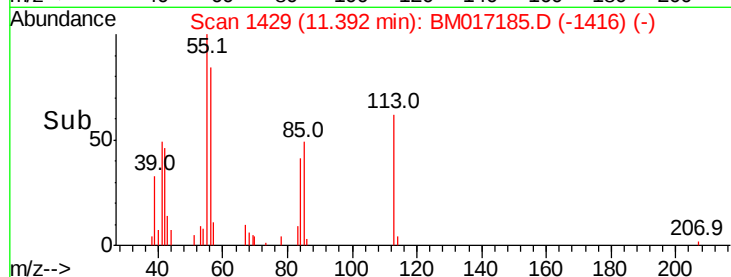
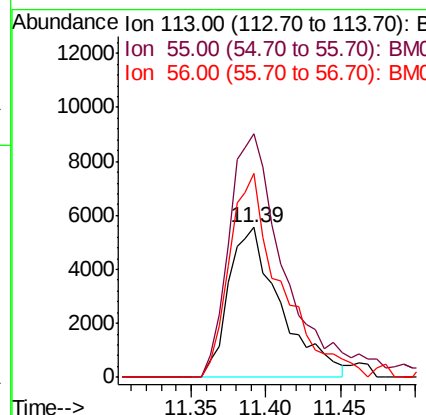
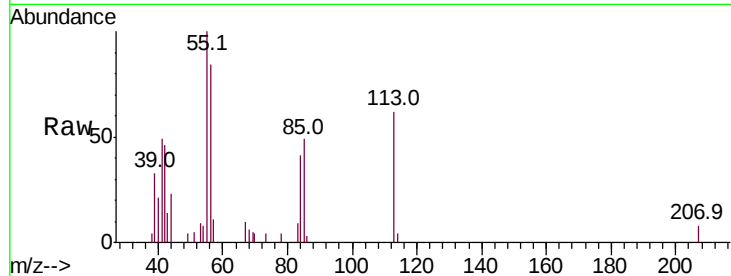
#35
Caprolactam
Concen: 3.181 ng
RT: 11.39 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Lower	Upper
113	100		
55	162.6	147.0	187.0
56	136.2	104.5	144.5

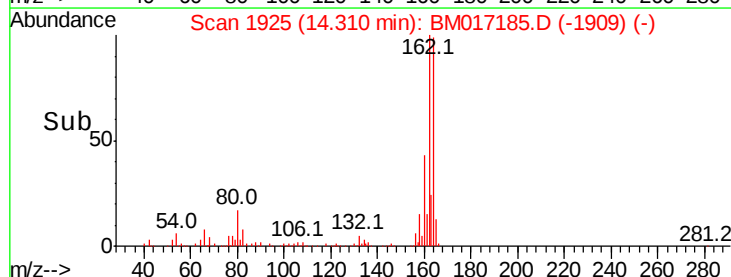
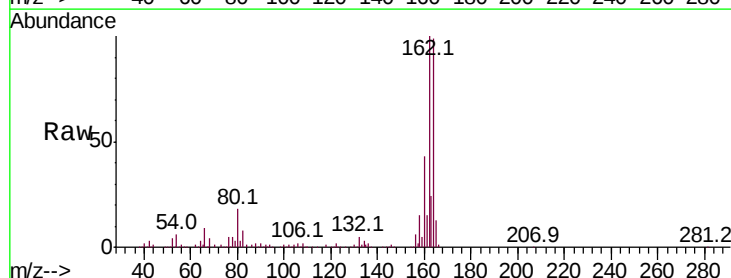
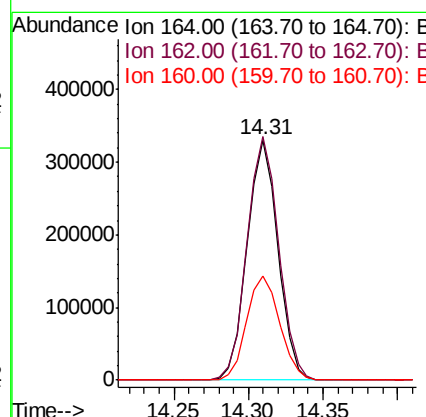
Manual Integrations
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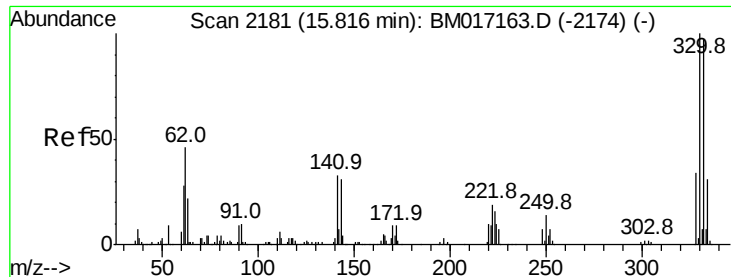
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.1	123.1
160	43.6	40.2	60.2





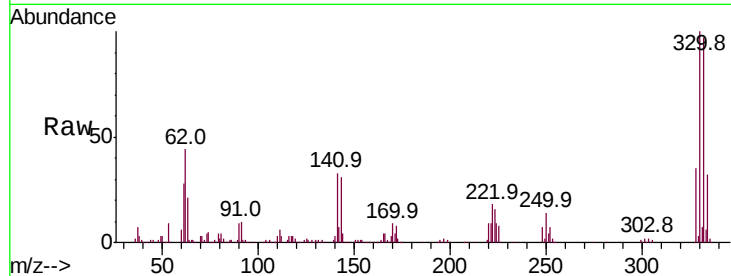
#42
 2,4,6-Tribromophenol
 Concen: 141.533 ng
 RT: 15.81 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.3	115.9	
141	35.9	27.4	41.0	

Manual Integrations
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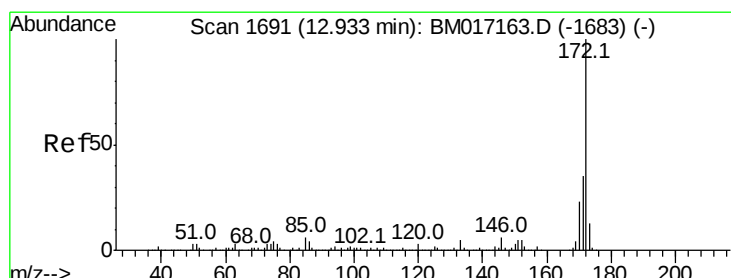
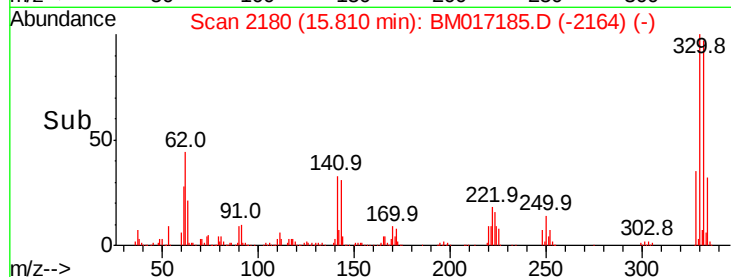
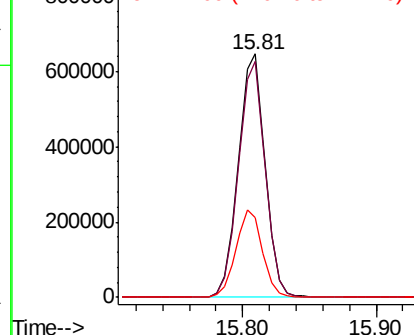


Abundance

Ion 329.80 (329.50 to 330.50): E

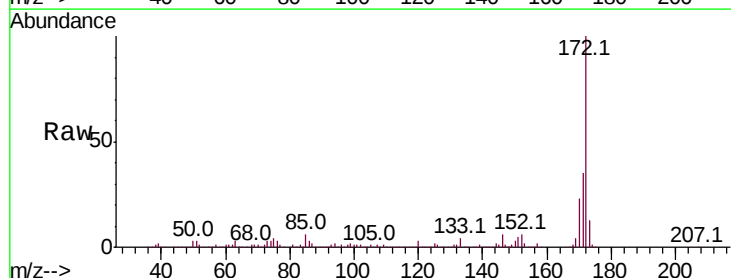
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.570 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	28.3	42.5	
170	23.0	18.3	27.5	

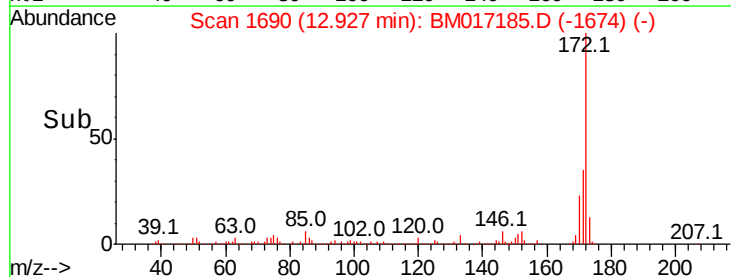
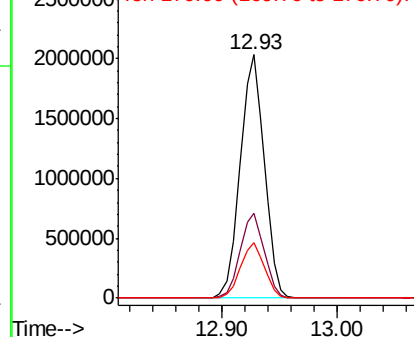


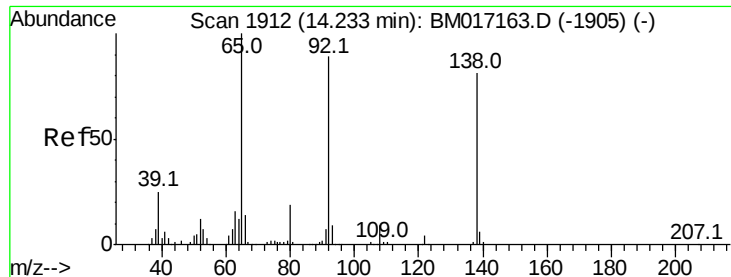
Abundance

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





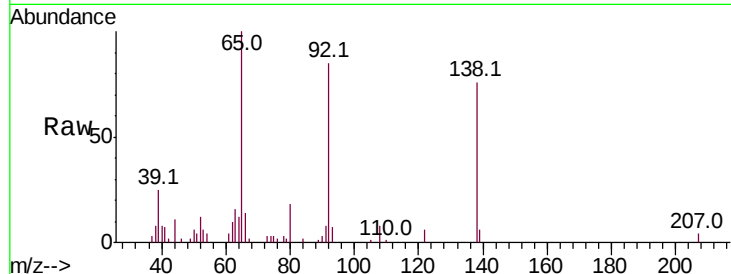
#53
3-Nitroaniline
Concen: 3.072 ng
RT: 14.23 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.7	13.1
92	111.8	87.9	131.9

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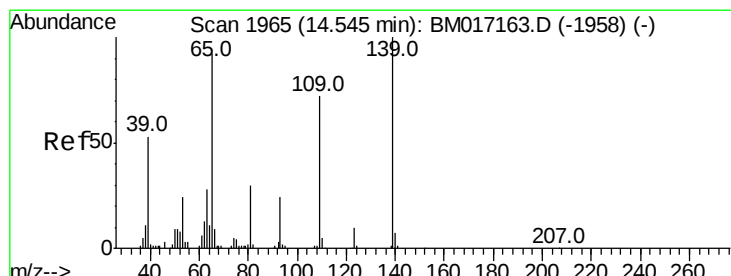
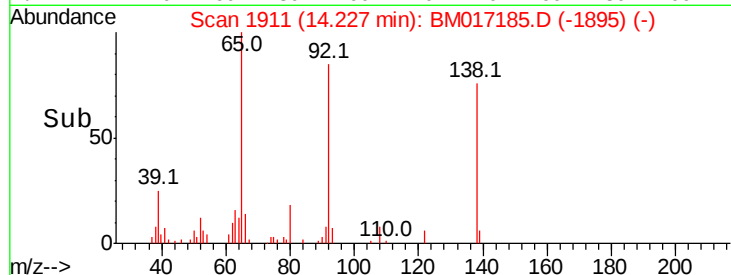
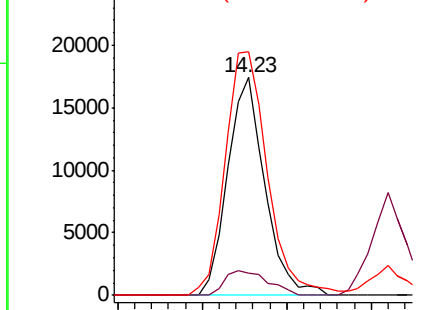


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#56
4-Nitrophenol
Concen: 7.591 ng
RT: 14.54 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

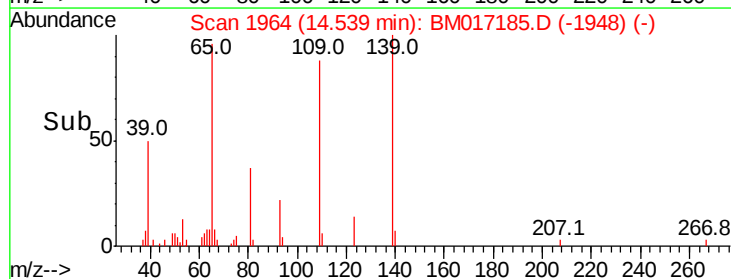
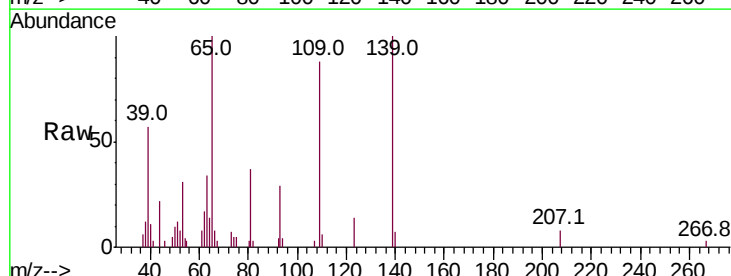
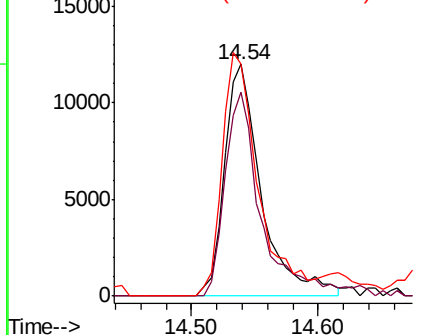
Tgt Ion	Ratio	Lower	Upper
139	100		
109	88.3	51.8	91.8
65	100.4	72.1	112.1

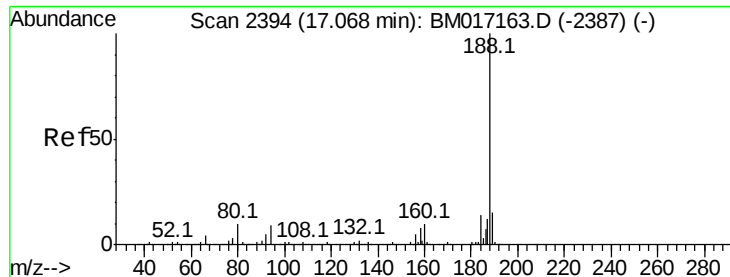
Abundance

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): BM





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:188 Resp: 1119057

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.4

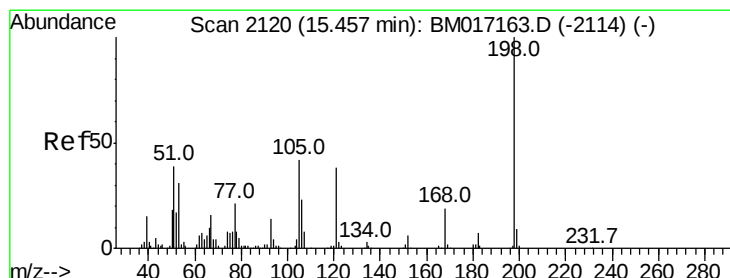
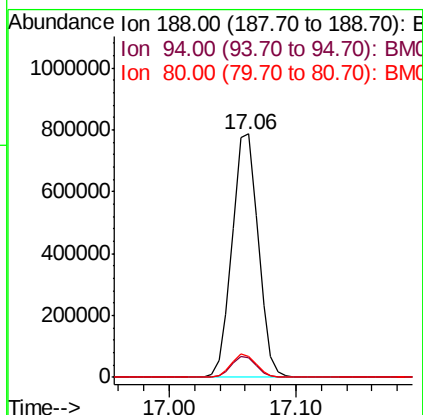
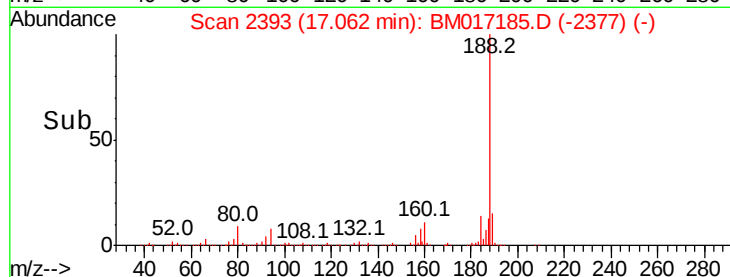
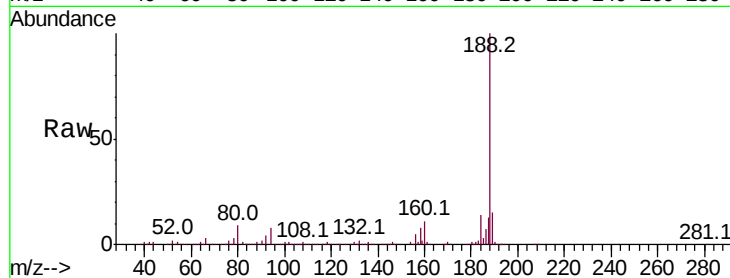
80 8.7 7.7 11.5

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#65

4,6-Dinitro-2-methylphenol

Concen: 9.613 ng

RT: 15.45 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

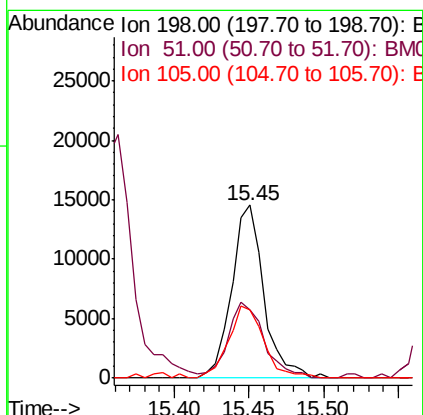
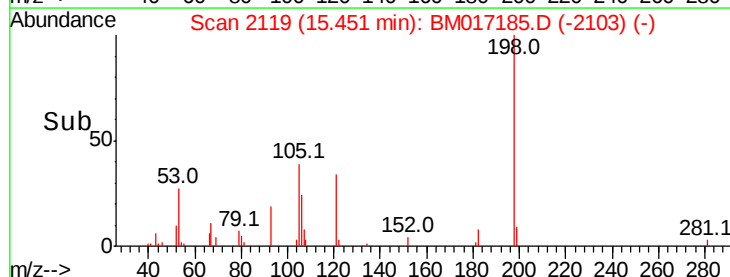
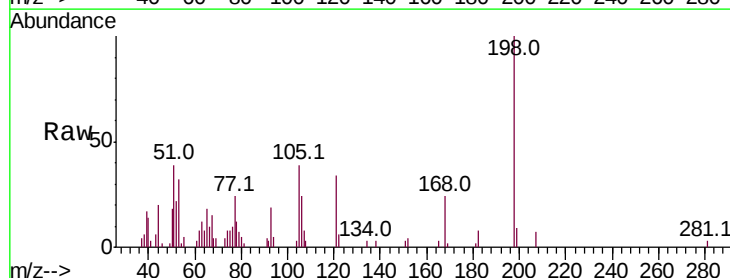
Tgt Ion:198 Resp: 21964

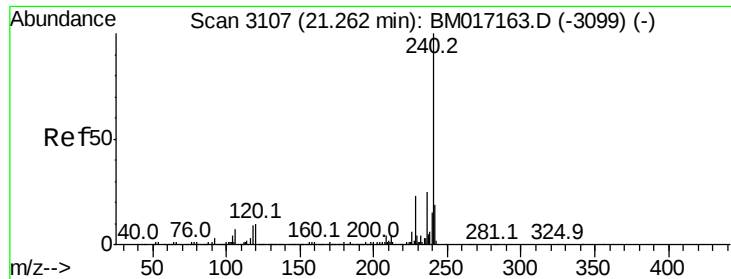
Ion Ratio Lower Upper

198 100

51 39.4 20.3 60.3

105 39.1 21.9 61.9





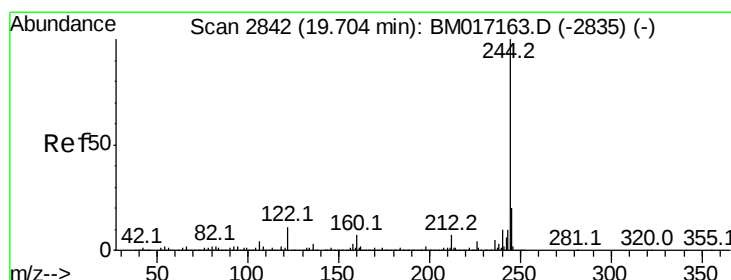
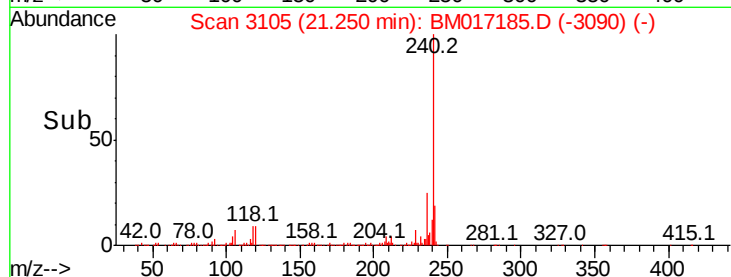
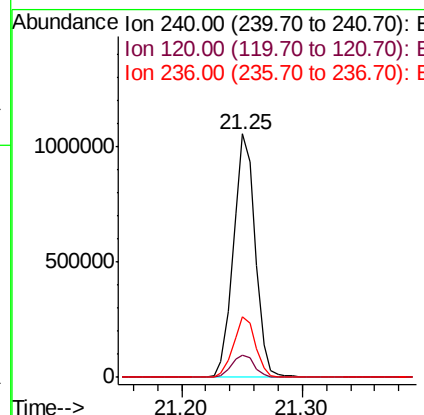
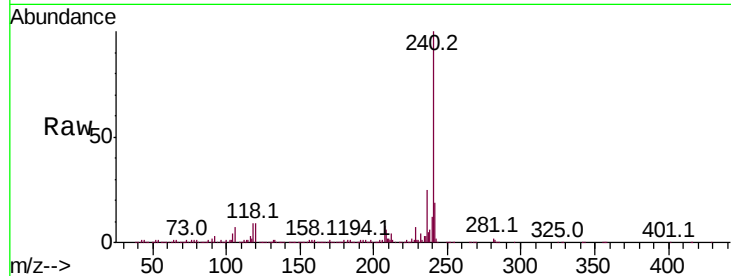
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.1	12.1
236	25.0	19.9	29.9

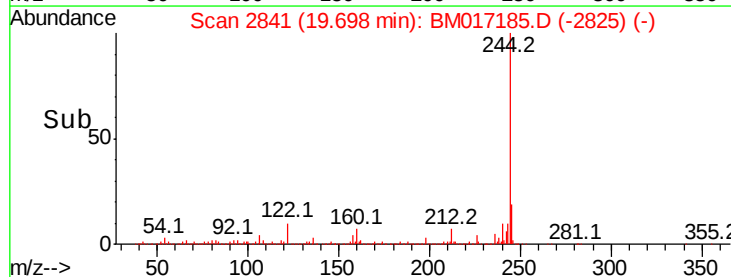
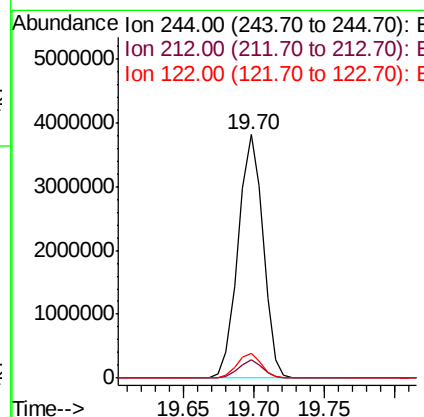
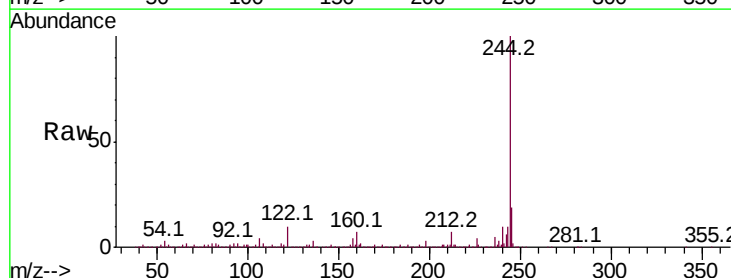
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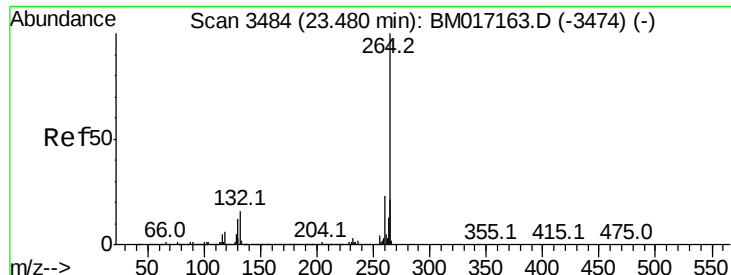
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#79
 Terphenyl-d14
 Concen: 79.868 ng
 RT: 19.70 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	9.9	8.4	12.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3481
Delta R.T. -0.02 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	22.5	17.8	26.8

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