

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024096.D
 Acq On : 23 Sep 2016 20:42
 Operator : UM/SJ
 Sample : H4818-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Manual Integrations
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Quant Time: Sep 26 14:22:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39124	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	159620	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	142393	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	361080	20.00	ng	0.00
75) Chrysene-d12	21.79	240	419878	20.00	ng	0.00
86) Perylene-d12	25.13	264	400166	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	320414	141.88	ng	0.00
7) Phenol-d6	7.21	99	468192	123.21	ng	0.00
23) Nitrobenzene-d5	9.22	82	338818	83.66	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	262960	128.48	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	704056	83.11	ng	0.00
78) Terphenyl-d14	20.09	244	1513976	73.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	8.52	107	4209m	1.58	ng	
20) 3+4-Methylphenols	8.89	107	5156m	1.34	ng	
22) Acetophenone	8.88	105	7997	1.74	ng	# 86
26) 2-Nitrophenol	10.02	139	1393	0.90	ng	# 79
28) bis(2-Chloroethoxy)methane	10.30	93	5831	1.45	ng	# 69
29) 2,4-Dichlorophenol	10.60	162	3910m	1.46	ng	
42) 2,4,6-Trichlorophenol	13.19	196	3587	1.33	ng	# 53
43) 2,4,5-Trichlorophenol	13.29	196	3758m	1.36	ng	
61) 4-Nitroaniline	15.87	138	2598m	1.09	ng	

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

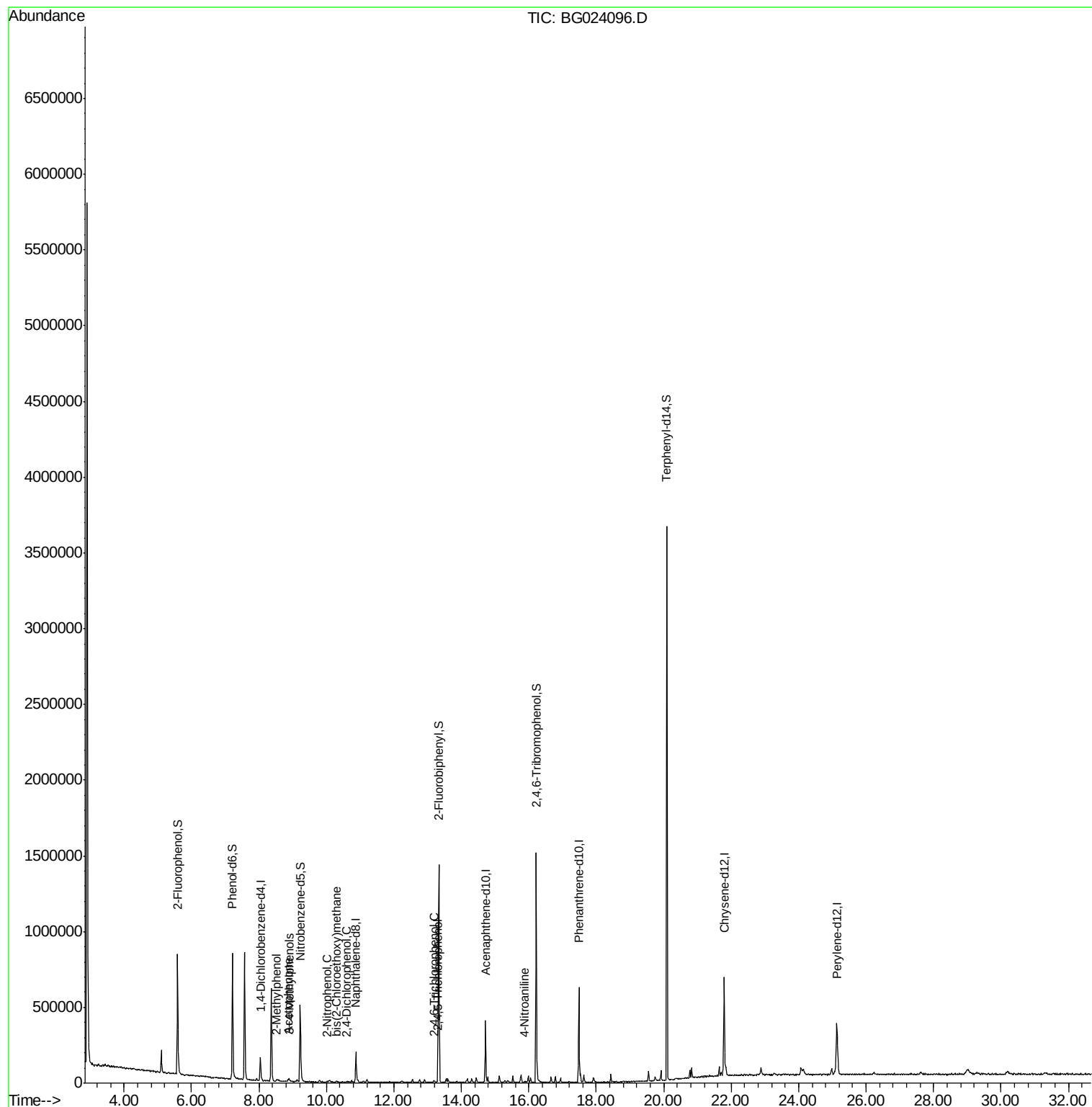
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024096.D
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Operator : UM/SJ
Sample : H4818-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

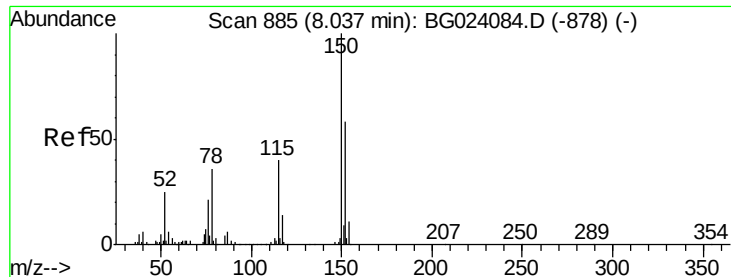
Instrument :
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LOD-SOIL2016-01-QT4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

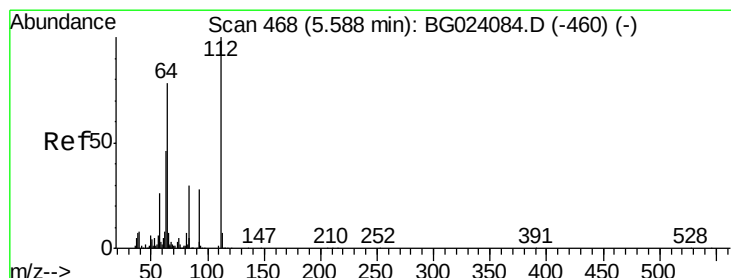
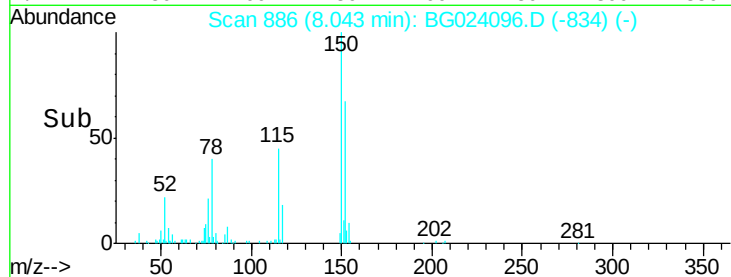
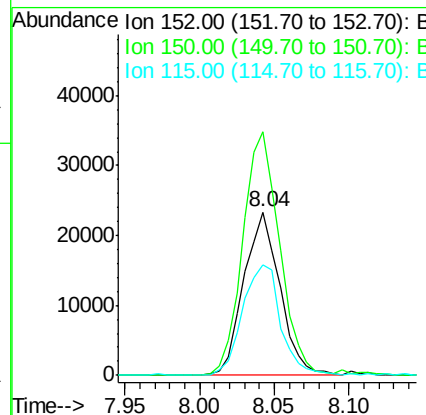
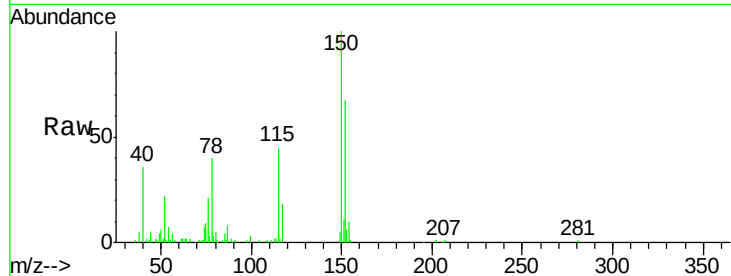
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. 0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.3	144.7	217.1
115	67.7	64.0	96.0

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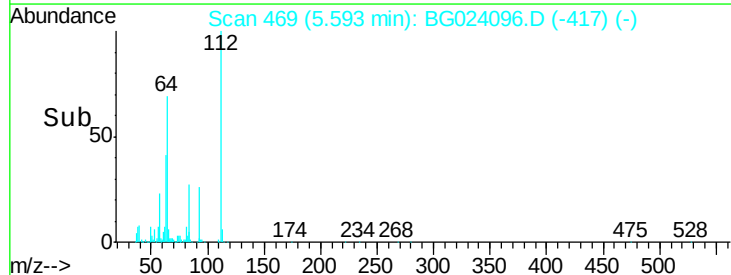
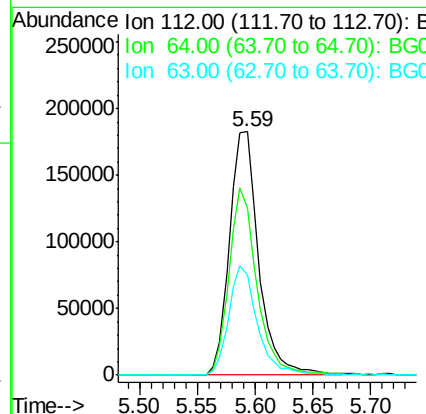
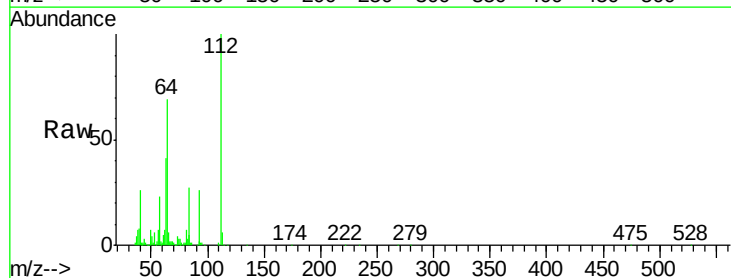
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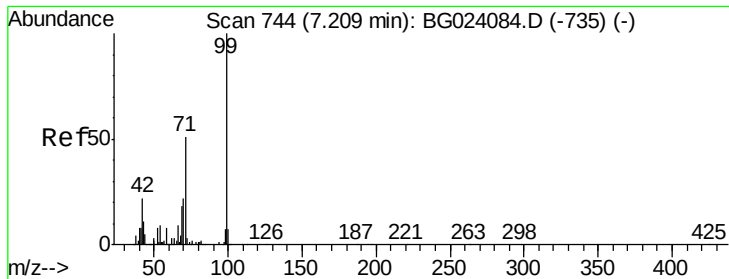


#5

2-Fluorophenol
Concen: 141.88 ng
RT: 5.59 min Scan# 469
Delta R.T. 0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	59.0	88.4
63	40.9	37.8	56.8





#7

Phenol-d6

Concen: 123.21 ng

RT: 7.21 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Instrument :

BNA_G

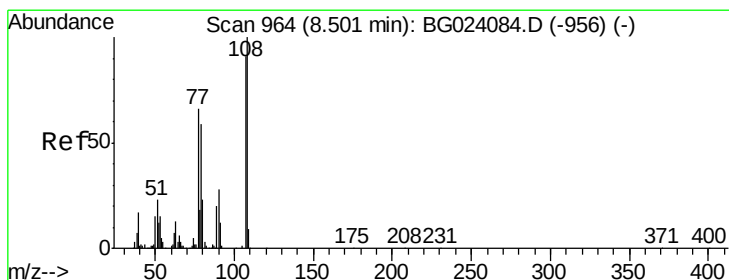
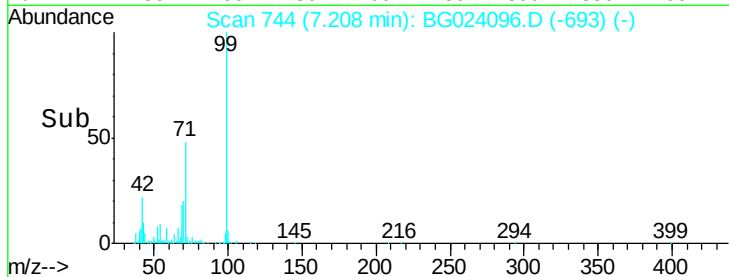
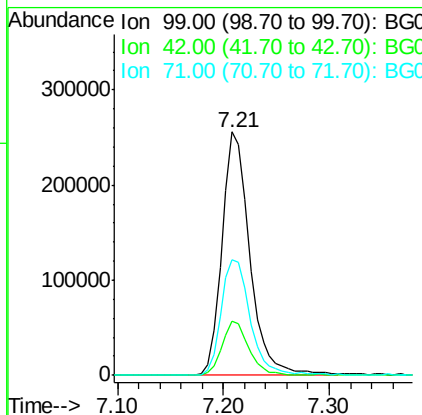
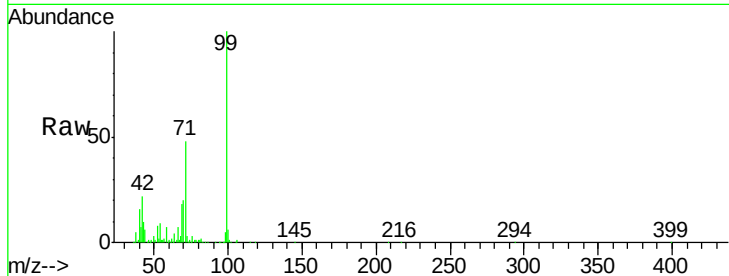
ClientSampleId :

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Tgt Ion:	99	Resp:	468192
Ion Ratio	Lower	Upper	
99	100		
42	22.1	17.8	26.6
71	47.7	41.5	62.3

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#17

2-Methylphenol

Concen: 1.58 ng m

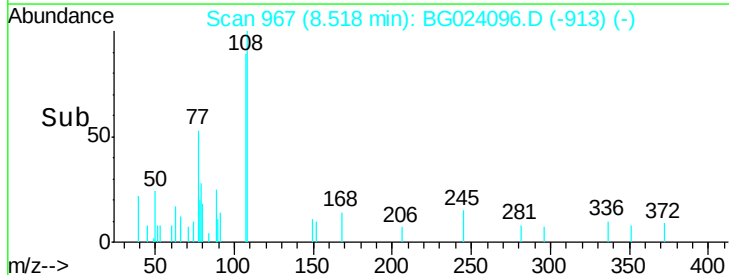
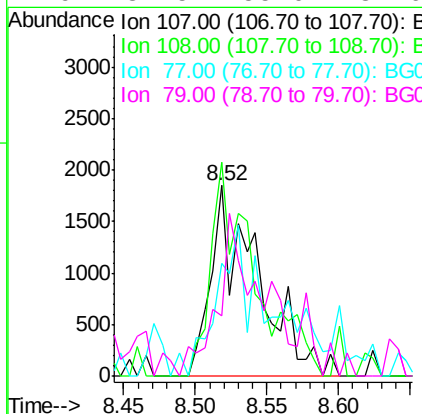
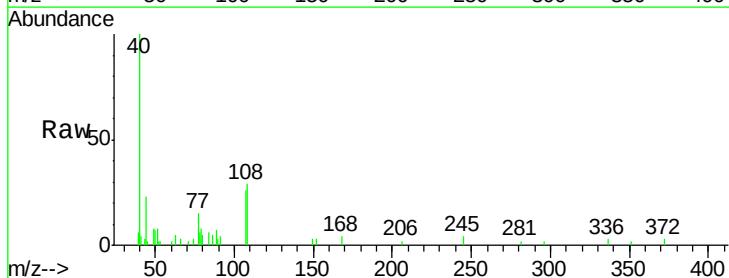
RT: 8.52 min Scan# 967

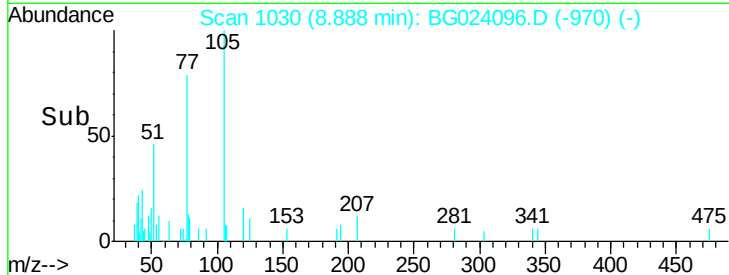
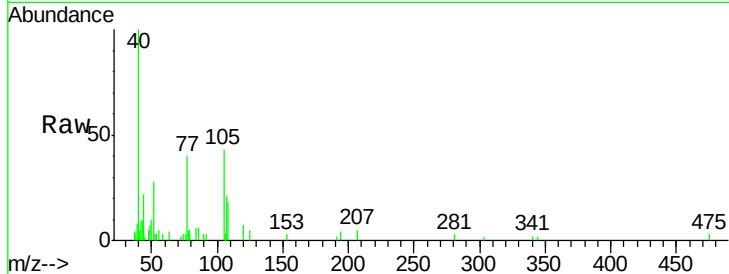
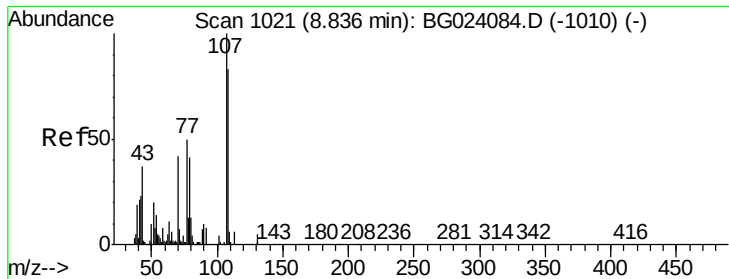
Delta R.T. 0.02 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Tgt Ion:	107	Resp:	4209
Ion Ratio	Lower	Upper	
107	100		
108	112.0	92.0	138.0
77	58.8	55.8	83.6
79	31.5	55.0	82.6#





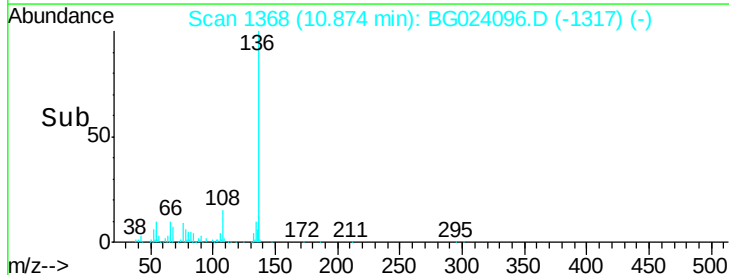
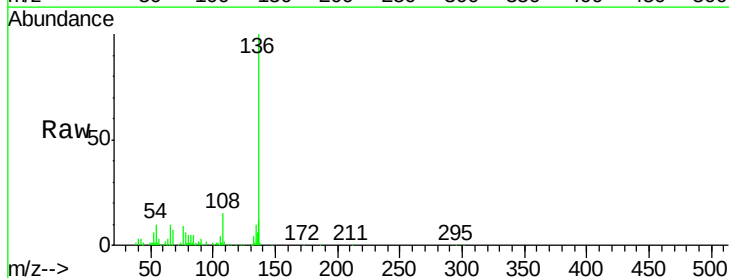
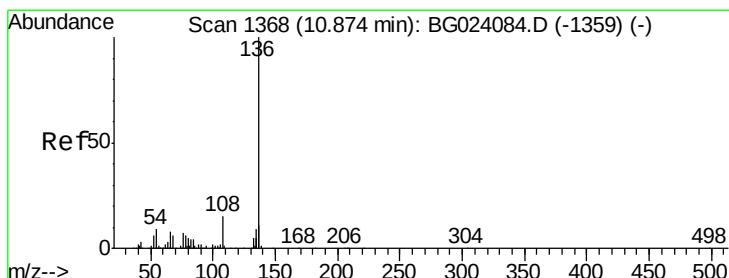
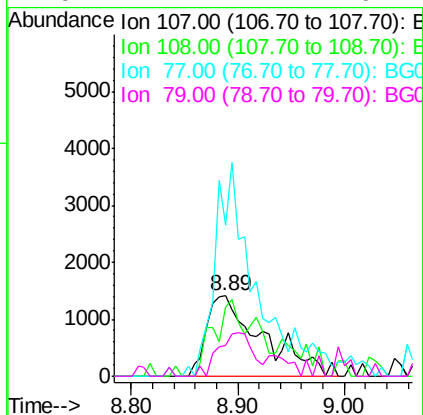
#20
3+4-Methylphenols
Concen: 1.34 ng m
RT: 8.89 min Scan# 1030
Delta R.T. 0.05 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	86.4	72.5	112.5
77	189.0	30.1	70.1#
79	22.2	24.2	64.2#

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

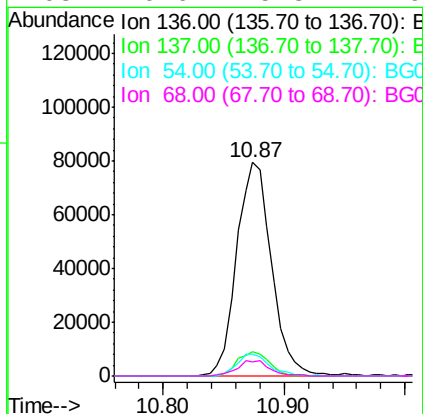
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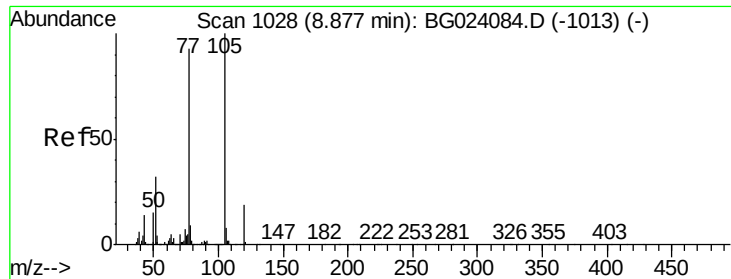
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.7	9.6	14.4
54	10.3	7.3	10.9
68	6.6	5.3	7.9





#22

Acetophenone

Concen: 1.74 ng

RT: 8.88 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BG024096.D

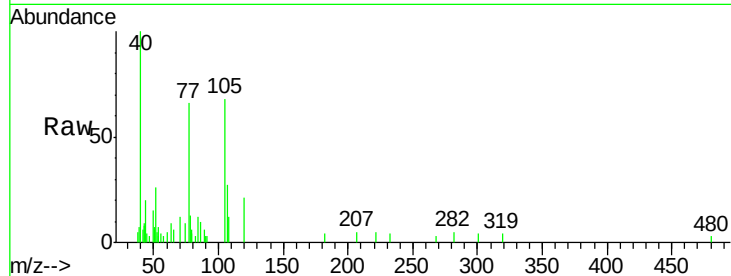
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Instrument :

BNA_G

ClientSampleId :

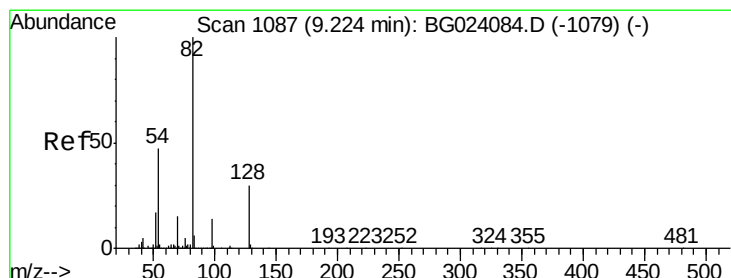
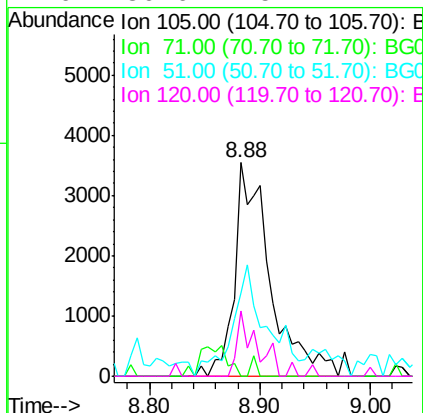
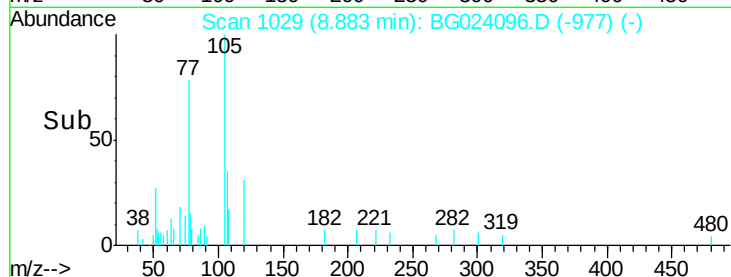
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Tgt Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.6	3.8#
51	38.8	27.1	40.7
120	30.6	15.1	22.7#

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#23

Nitrobenzene-d5

Concen: 83.66 ng

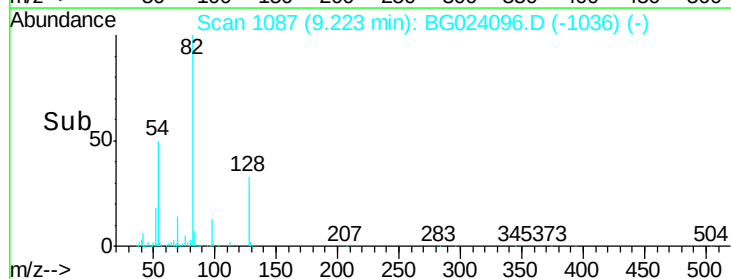
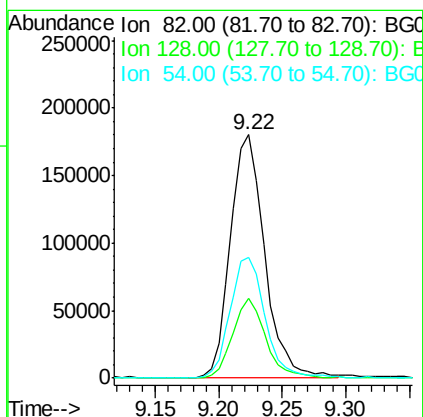
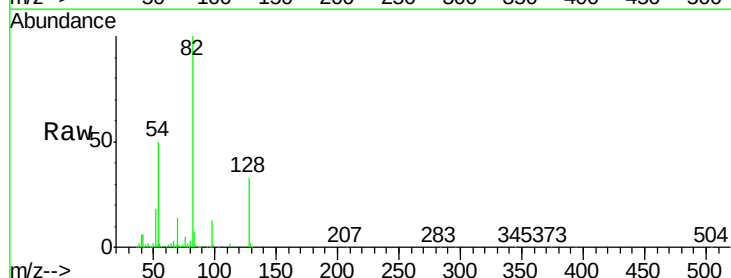
RT: 9.22 min Scan# 1087

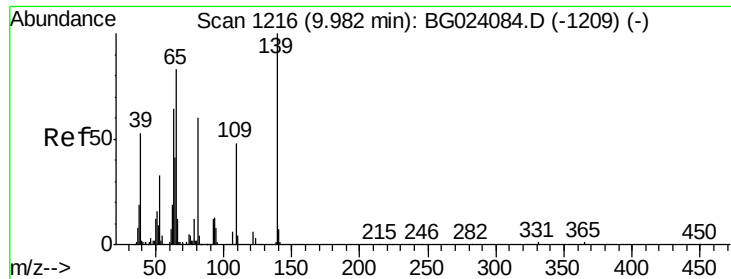
Delta R.T. -0.00 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.8	24.4	36.6
54	49.8	41.4	62.0





#26

2-Nitrophenol

Concen: 0.90 ng

RT: 10.02 min Scan# 1222

Delta R.T. 0.03 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Instrument :

BNA_G

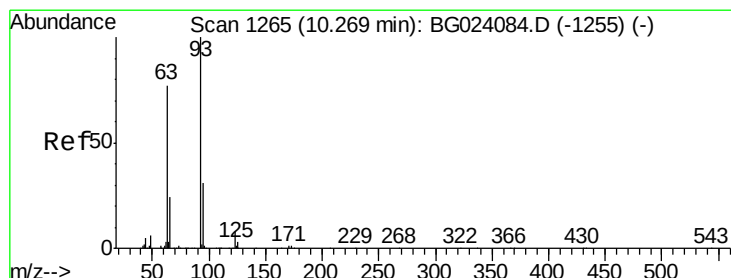
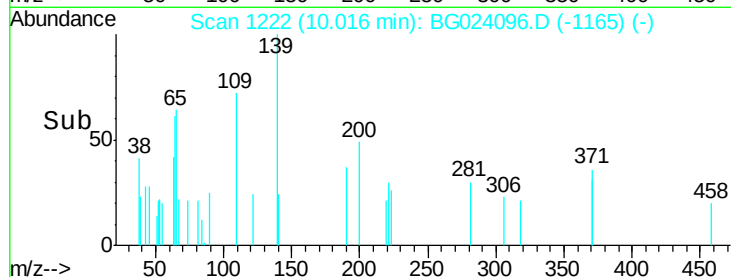
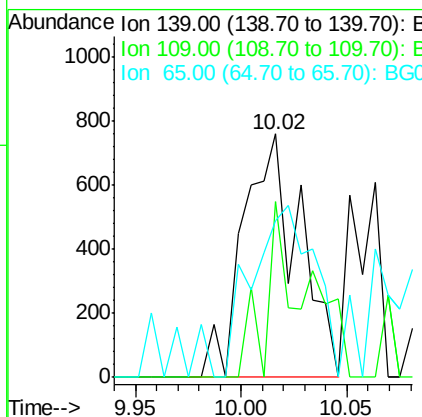
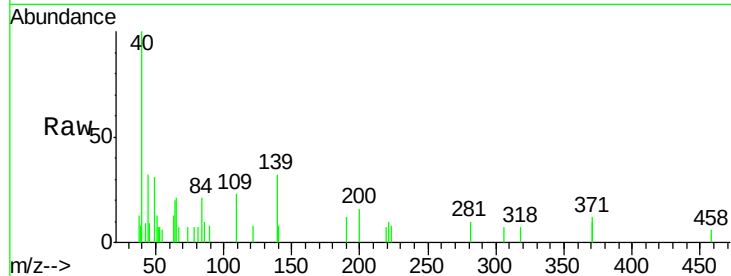
ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	139	Resp:	1393
Ion Ratio	Lower	Upper	
139	100		
109	72.0	43.5	65.3#
65	64.2	64.3	96.5#

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#28

bis(2-Chloroethoxy)methane

Concen: 1.45 ng

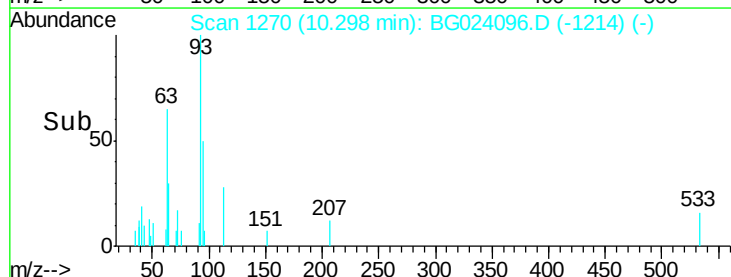
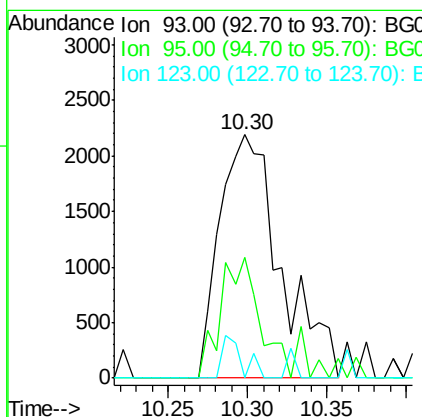
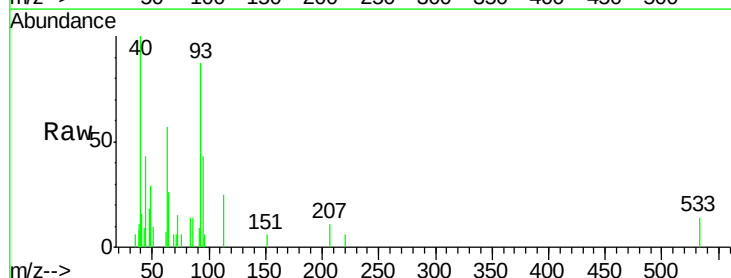
RT: 10.30 min Scan# 1270

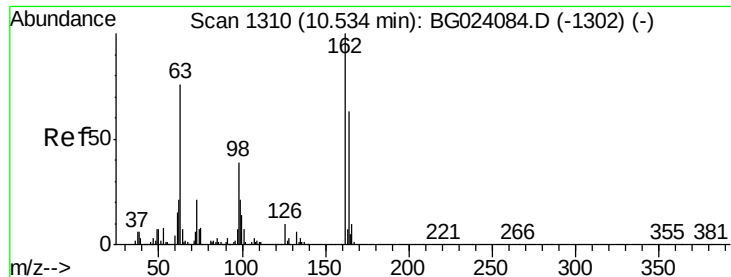
Delta R.T. 0.03 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Tgt Ion:	93	Resp:	5831
Ion Ratio	Lower	Upper	
93	100		
95	49.7	25.4	38.2#
123	0.0	8.2	12.2#





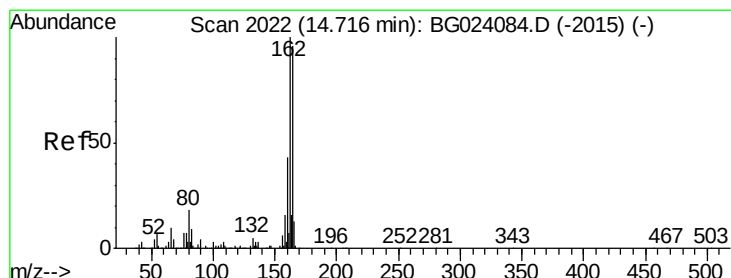
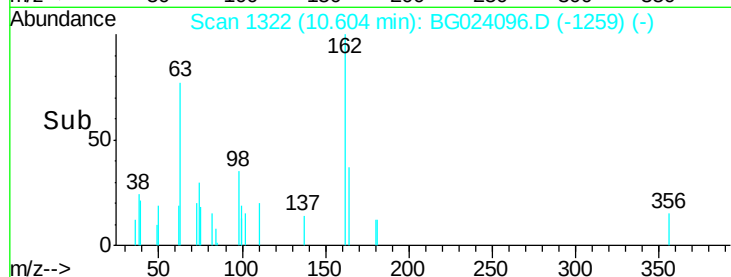
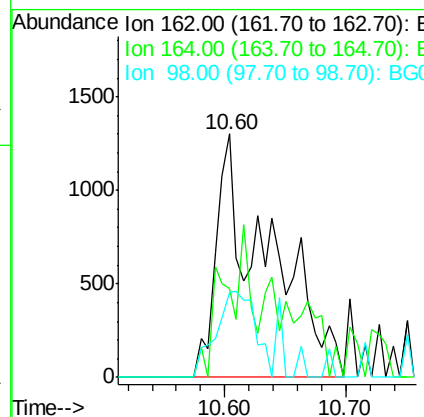
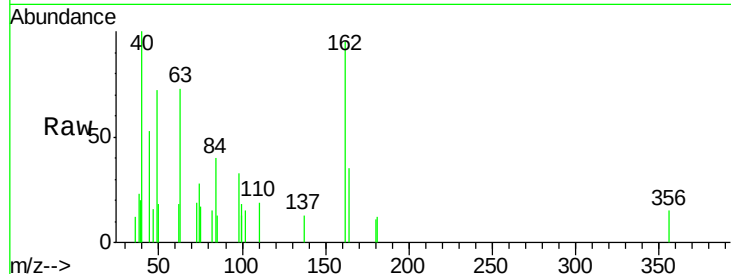
#29
2,4-Dichlorophenol
Concen: 1.46 ng m
RT: 10.60 min Scan# 1322
Delta R.T. 0.07 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	3910		
164	36.6	44.3	84.3#	
98	34.9	19.5	59.5	

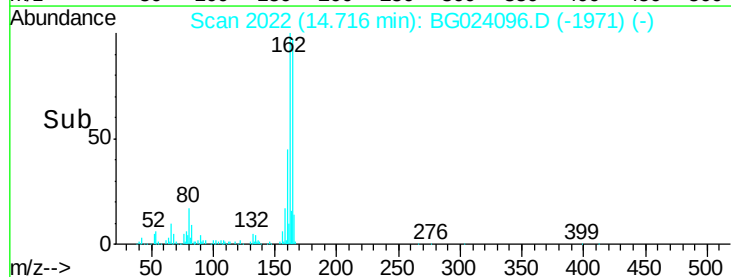
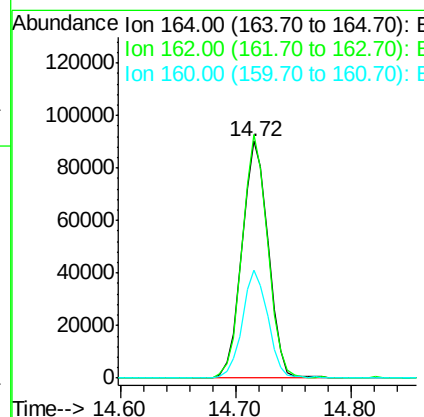
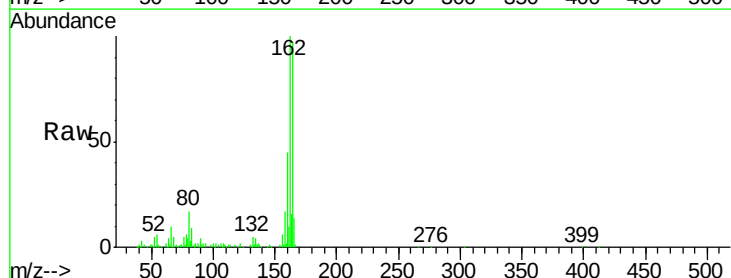
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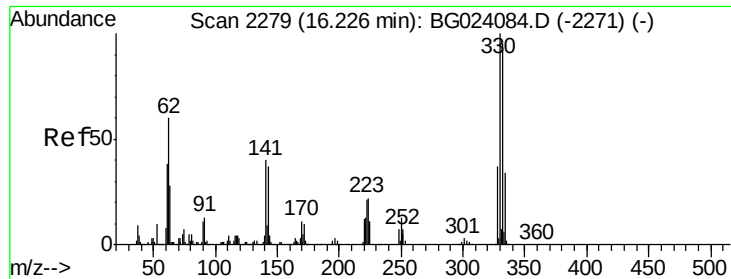
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142393		
162	102.7	87.7	131.5	
160	45.8	37.2	55.8	





#41

2,4,6-Tribromophenol

Concen: 128.48 ng

RT: 16.22 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Instrument :

BNA_G

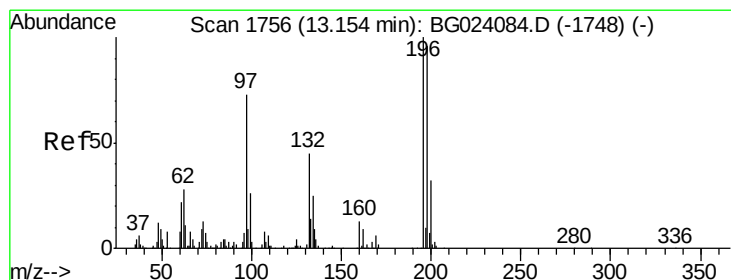
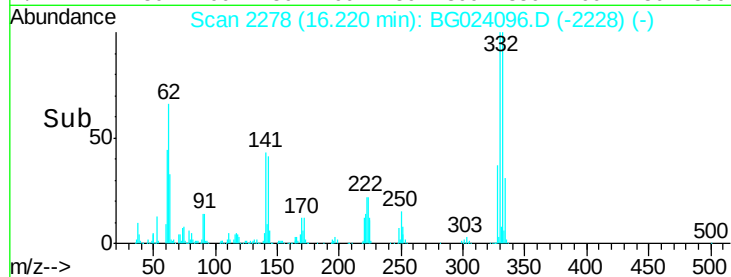
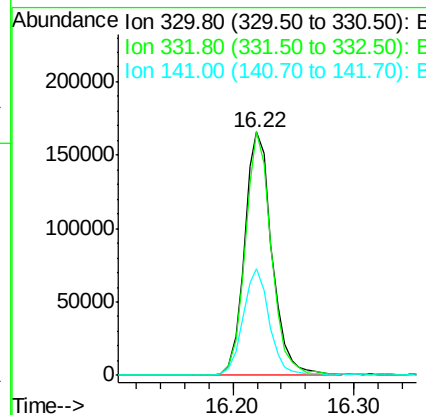
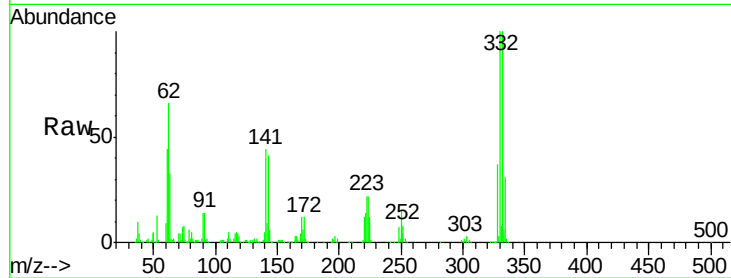
ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	330	Resp:	262960
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.4	116.2
141	41.9	31.7	47.5

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#42

2,4,6-Trichlorophenol

Concen: 1.33 ng

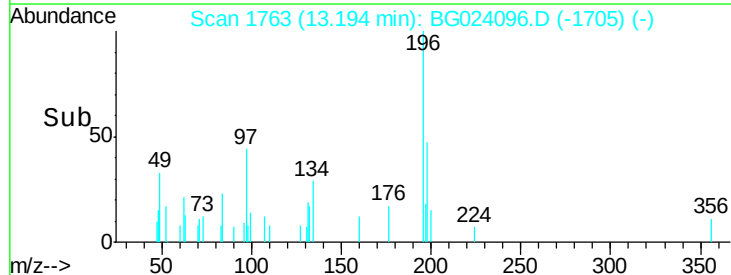
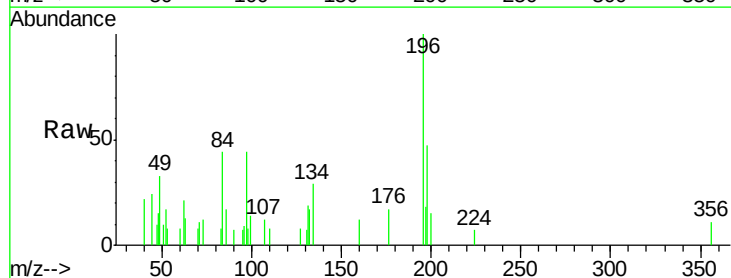
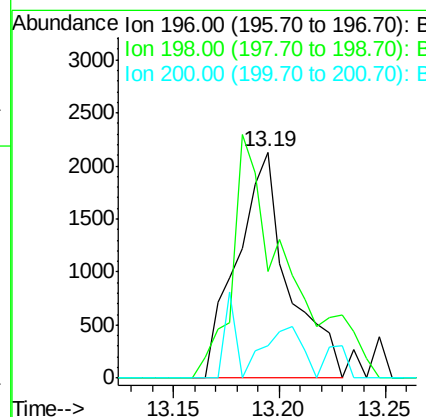
RT: 13.19 min Scan# 1763

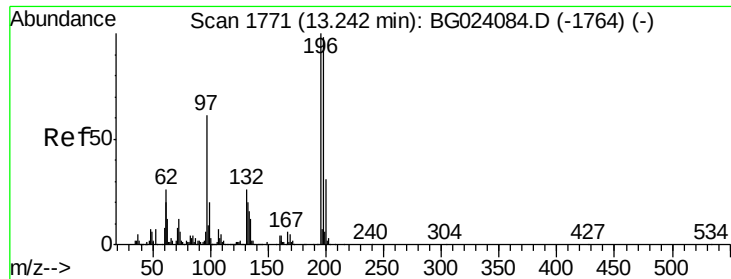
Delta R.T. 0.04 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Tgt Ion:	196	Resp:	3587
Ion Ratio	Lower	Upper	
196	100		
198	47.3	78.2	117.2#
200	14.5	27.0	40.4#





#43

2,4,5-Trichlorophenol

Concen: 1.36 ng m

RT: 13.29 min Scan# 1780

Delta R.T. 0.05 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Instrument :

BNA_G

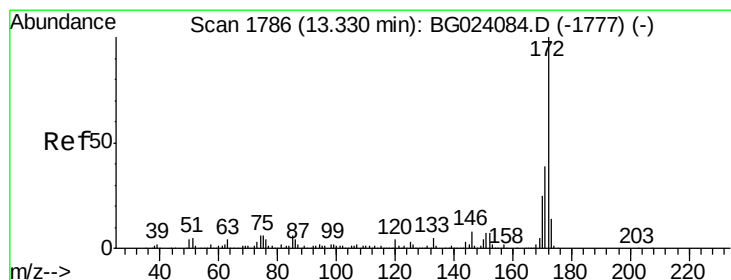
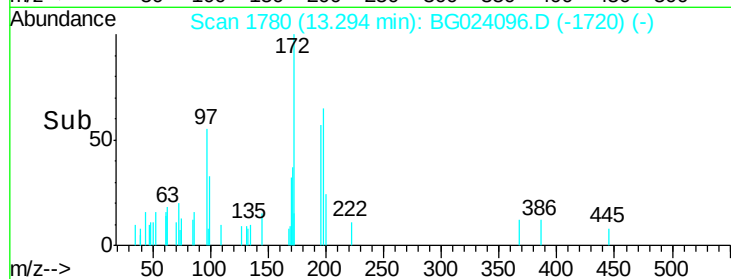
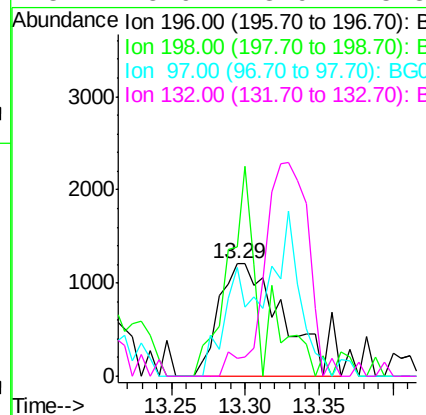
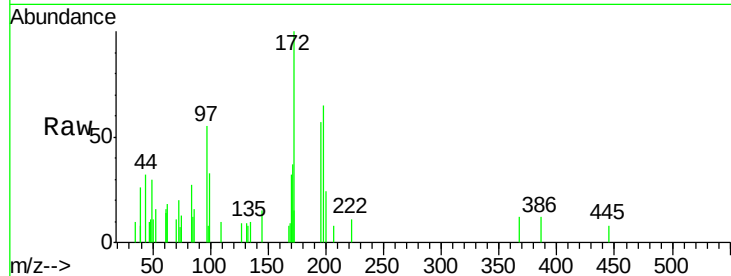
ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	196	Resp:	3758
Ion Ratio	Lower	Upper	
196	100		
198	114.5	85.7	128.5
97	96.2	45.5	68.3#
132	15.9	18.9	28.3#

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9/26/2016 6:39:40 PM



#44

2-Fluorobiphenyl

Concen: 83.11 ng

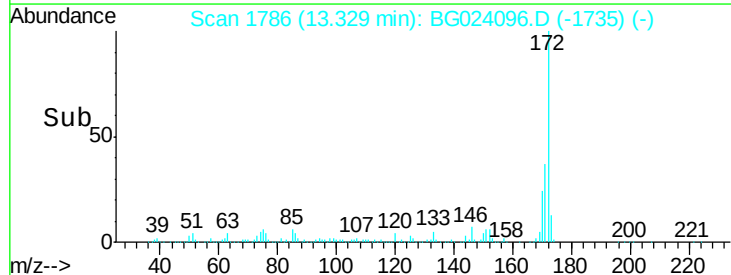
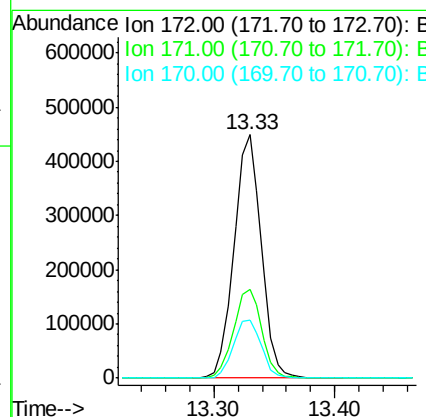
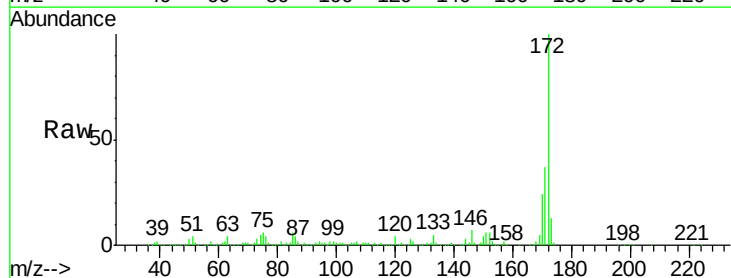
RT: 13.33 min Scan# 1786

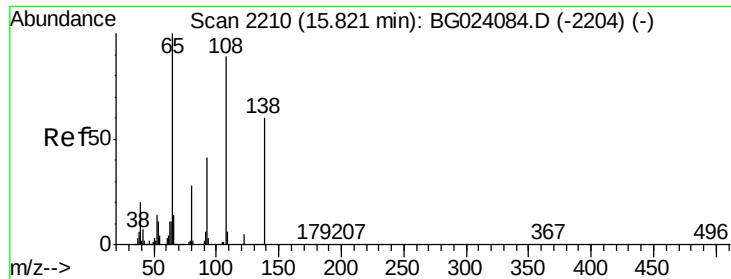
Delta R.T. -0.00 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Tgt Ion:	172	Resp:	704056
Ion Ratio	Lower	Upper	
172	100		
171	36.6	31.6	47.4
170	24.0	21.3	31.9





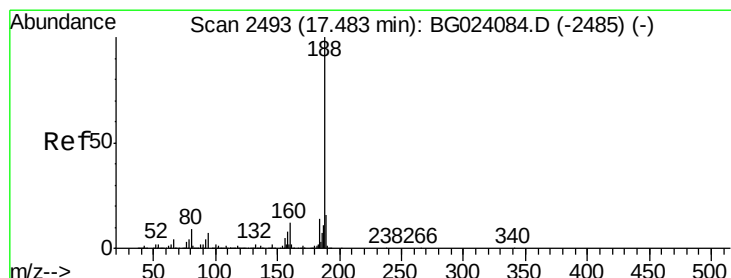
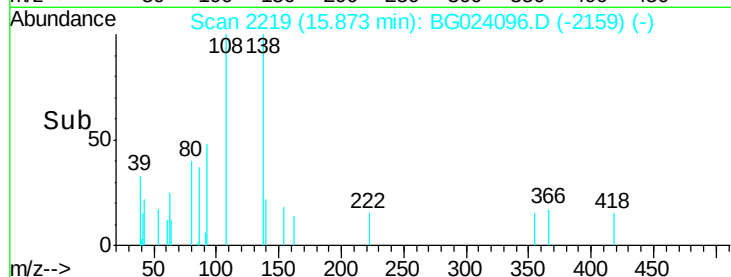
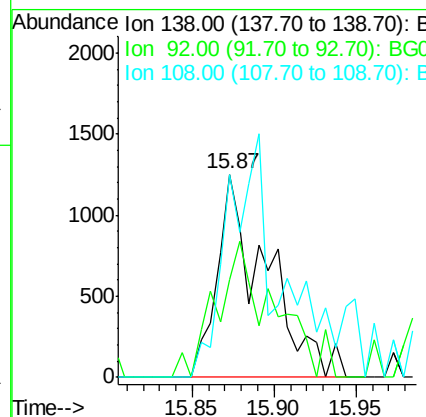
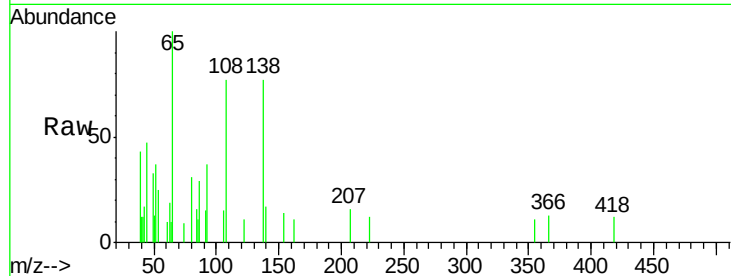
#61
4-Nitroaniline
Concen: 1.09 ng m
RT: 15.87 min Scan# 2219
Delta R.T. 0.05 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	2598		
92	48.2	54.1	94.1#	
108	100.0	133.9	173.9#	

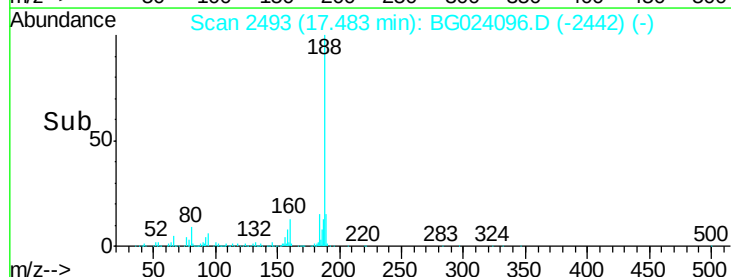
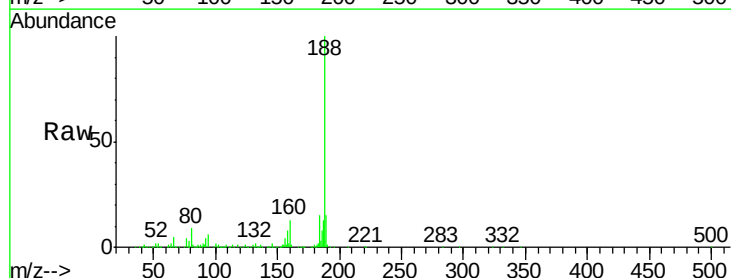
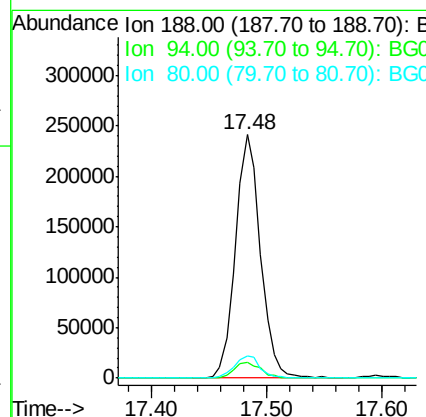
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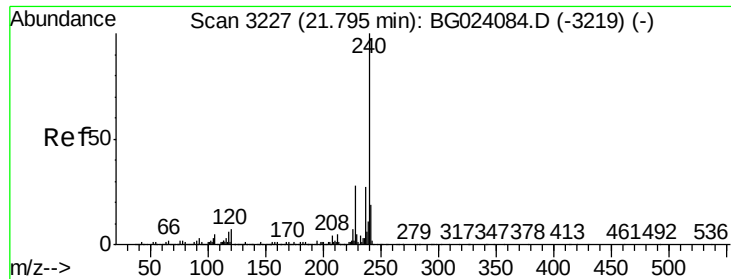
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	361080		
94	6.4	5.2	7.8	
80	9.3	7.2	10.8	





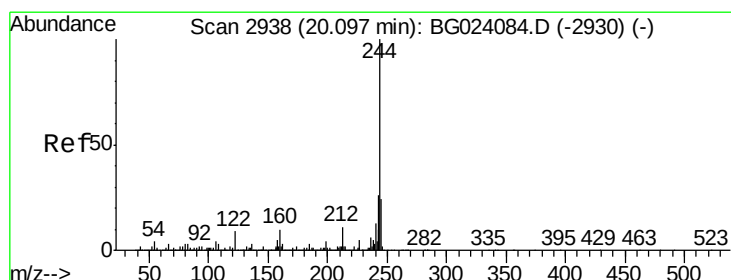
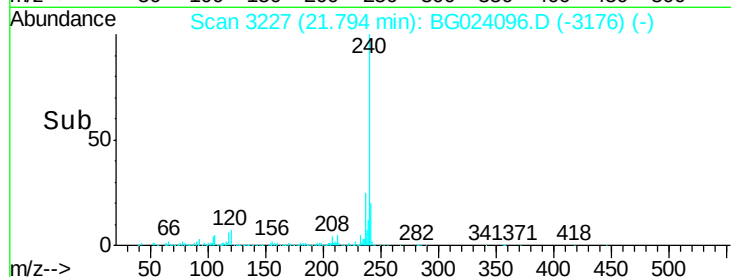
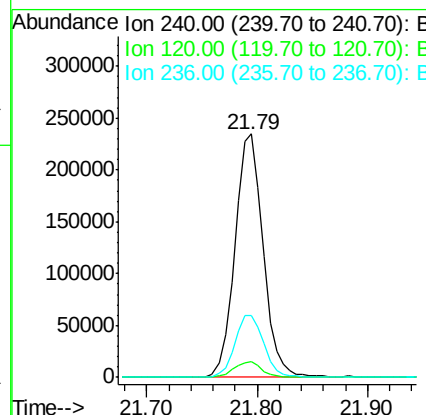
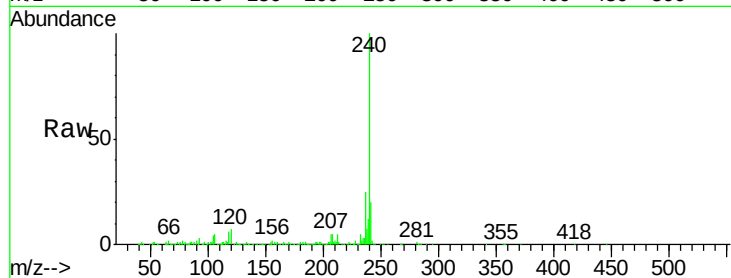
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3227
Delta R.T. -0.00 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	4.1	6.1#
236	25.4	21.1	31.7

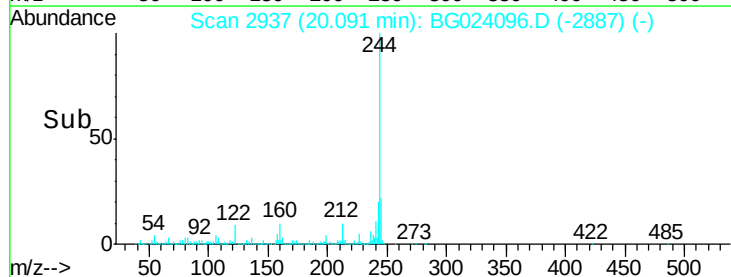
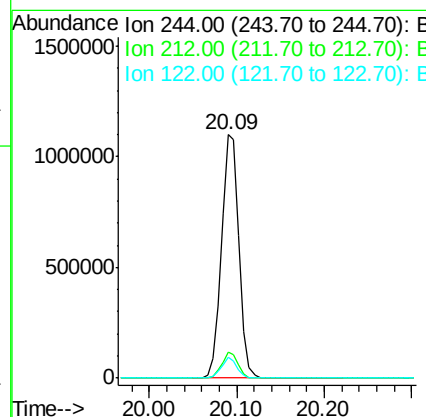
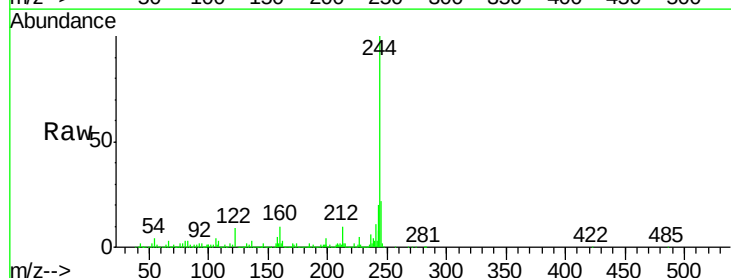
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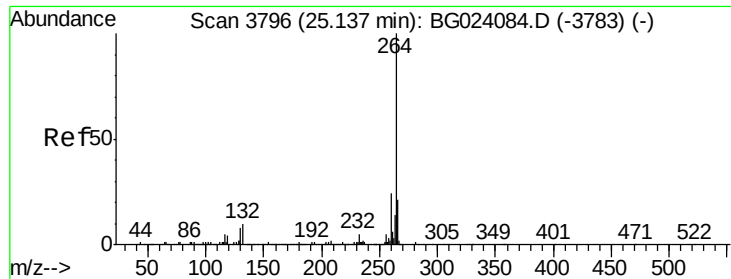
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#78
Terphenyl-d14
Concen: 73.83 ng
RT: 20.09 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.5	10.8	16.2#
122	8.5	8.0	12.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		400166		
260	23.6	18.4	27.6		
265	21.6	18.9	28.3		

Manual Integrations
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