

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037422.D
 Acq On : 18 Oct 2018 16:40
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 1 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:48 PM

Quant Time: Oct 19 07:42:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50520	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	238018	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	159050	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	396985	20.00	ng	0.00
76) Chrysene-d12	21.77	240	366889	20.00	ng	0.00
87) Perylene-d12	25.11	264	360442	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	415608	137.54	ng	0.00
7) Phenol-d6	7.24	99	604738	132.35	ng	0.00
23) Nitrobenzene-d5	9.28	82	352323	82.92	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	240185	138.46	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	876742	83.12	ng	0.00
79) Terphenyl-d14	20.09	244	1361551	79.30	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.43	93	2917	0.523	ng	# 86
8) 2-Chlorophenol	7.66	128	3453	0.977	ng	# 69
9) Benzaldehyde	7.25	77	3203	1.121	ng	# 71
10) Phenol	7.27	94	4904	1.017	ng	# 58
11) bis(2-Chloroethyl)ether	7.53	93	3422	0.935	ng	94
12) 1,3-Dichlorobenzene	8.00	146	3943m	1.002	ng	
13) 1,4-Dichlorobenzene	8.14	146	3881m	0.964	ng	
14) 1,2-Dichlorobenzene	8.46	146	3992	1.031	ng	98
15) Benzyl Alcohol	8.35	79	2745	0.813	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	8.64	45	6688	1.021	ng	96
18) Hexachloroethane	9.19	117	1313	0.957	ng	95
24) Nitrobenzene	9.32	77	4023	0.911	ng	94
31) Naphthalene	10.98	128	12126	1.037	ng	# 93
34) Hexachlorobutadiene	11.24	225	2592	1.017	ng	# 77
37) 2-Methylnaphthalene	12.58	142	9588	1.125	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	5212	1.016	ng	96
46) 1,1'-Biphenyl	13.58	154	13662	1.037	ng	91
47) 2-Chloronaphthalene	13.63	162	9469	0.950	ng	100
48) 2-Nitroaniline	13.83	65	2122	0.702	ng	# 84
49) Acenaphthylene	14.47	152	15768	1.052	ng	95
50) Dimethylphthalate	14.18	163	12136	0.986	ng	98
51) 2,6-Dinitrotoluene	14.31	165	2099	0.771	ng	95
52) Acenaphthene	14.80	154	9558	1.035	ng	92
55) Dibenzofuran	15.14	168	16489	1.078	ng	98
58) Fluorene	15.78	166	12729	1.111	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.35	232	2113	0.661	ng	# 89
60) Diethylphthalate	15.54	149	11717	0.928	ng	96
63) Azobenzene	16.07	77	11278	0.936	ng	96
66) n-Nitrosodiphenylamine	15.99	169	10829	0.907	ng	92
67) 4-Bromophenyl-phenylether	16.67	248	3835	0.880	ng	# 69
68) Hexachlorobenzene	16.78	284	4210	0.932	ng	# 92
69) Atrazine	16.93	200	3680	0.852	ng	97
71) Phenanthrene	17.53	178	22788	1.129	ng	93
72) Anthracene	17.62	178	21046	1.063	ng	99

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Manual Integrations
 APPROVED

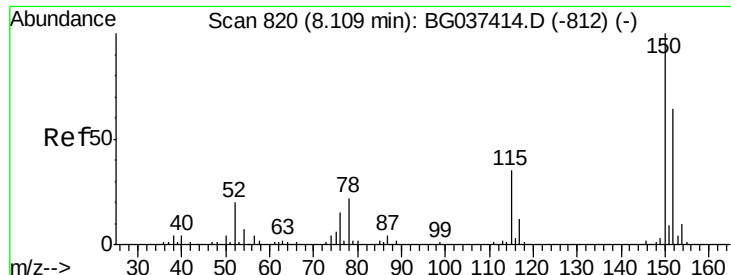
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Quant Time: Oct 19 07:42:43 2018
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 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Carbazole	17.89	167	16691	0.843	nq	99
74) Di-n-butylphthalate	18.43	149	18692	0.848	nq #	94
75) Fluoranthene	19.54	202	24058	1.051	nq	93
78) Pyrene	19.89	202	23767	0.991	nq	92
80) Butylbenzylphthalate	20.77	149	7472	0.761	nq	95
81) Benzo(a)anthracene	21.75	228	23635	1.089	nq	99
83) Chrysene	21.82	228	21921	1.051	nq	91
84) Bis(2-ethylhexyl)phthalate	21.63	149	10186	0.740	nq #	90
85) Di-n-octyl phthalate	22.89	149	15624	0.696	nq #	94
86) Indeno(1,2,3-cd)pyrene	28.93	276	13670	0.611	nq #	66
88) Benzo(b)fluoranthene	24.04	252	19776	1.001	nq #	90
89) Benzo(k)fluoranthene	24.11	252	18705	0.966	nq #	96
90) Benzo(a)pyrene	24.94	252	18145	0.966	nq #	92
91) Dibenzo(a,h)anthracene	29.01	278	14289m	0.825	nq	
92) Benzo(a,h,i)perylene	30.14	276	16281m	0.929	nq	

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



#1

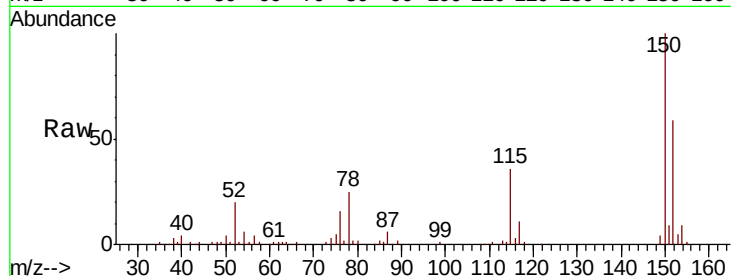
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.2	126.0	189.0
115	60.1	45.5	68.3

Manual Integrations
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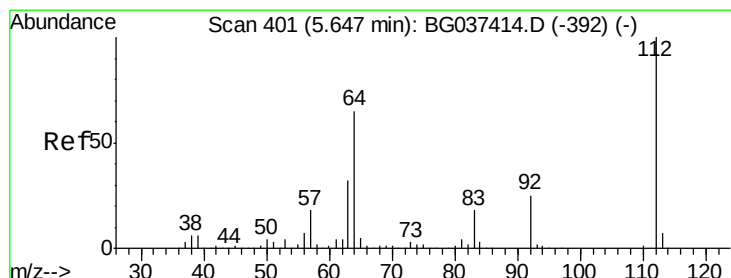
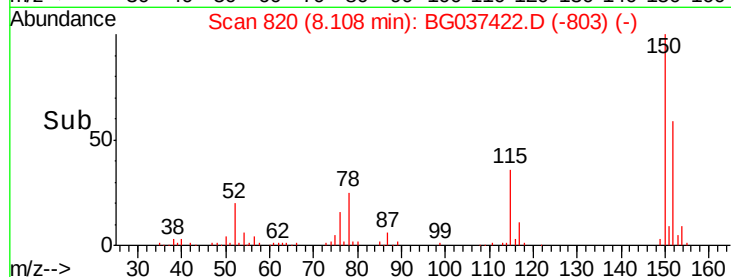
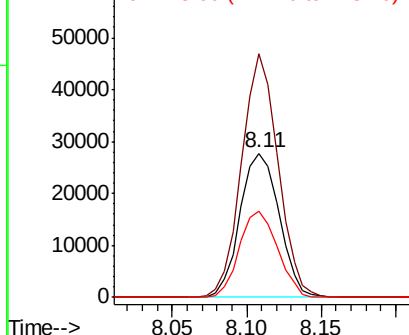


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

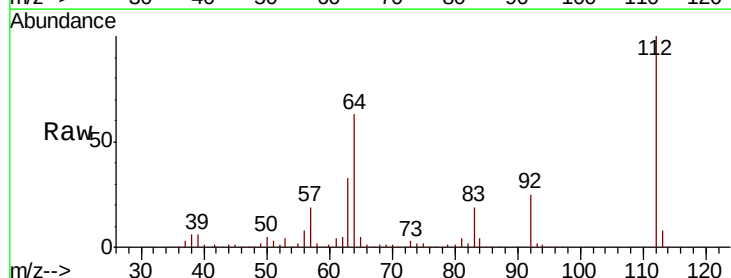
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.537 ng
RT: 5.65 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	53.1	79.7
63	32.6	27.3	40.9

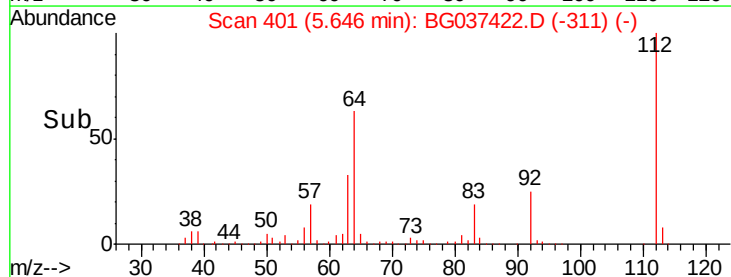
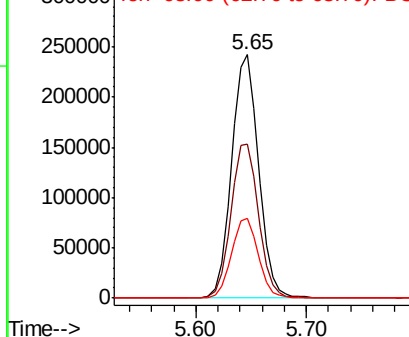


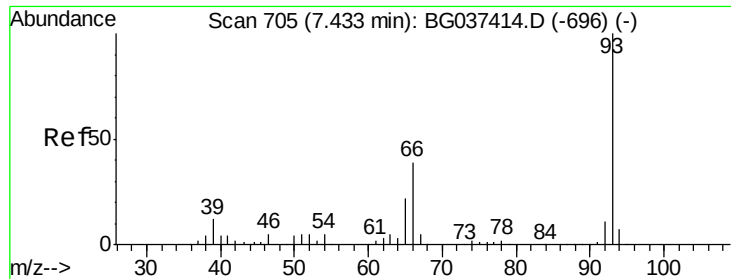
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 0.523 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

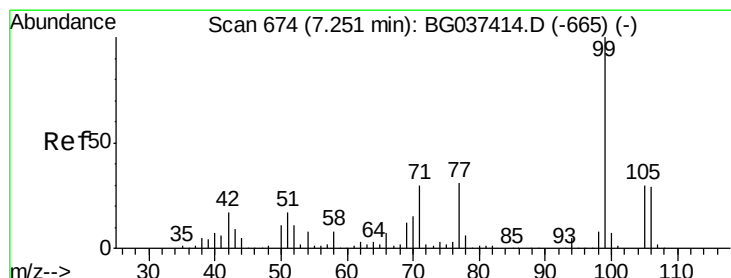
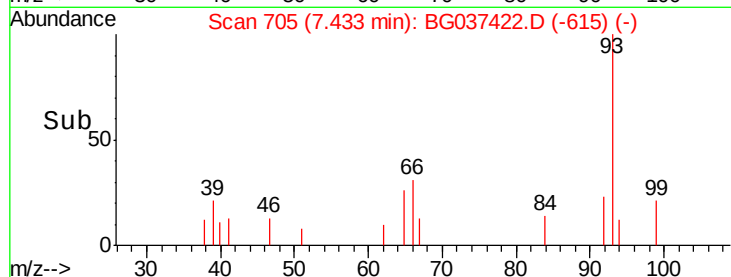
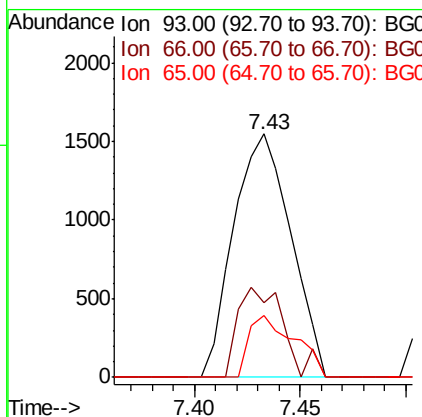
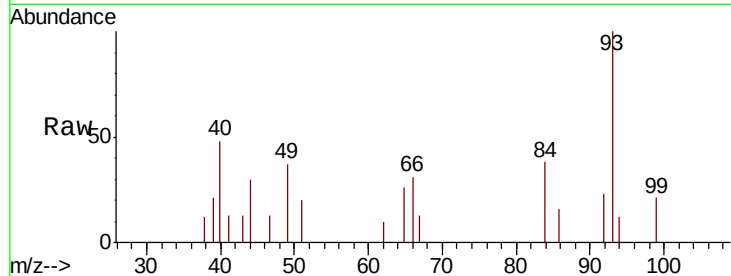
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	93	Resp:	2917
Ion	Ratio	Lower	Upper
93	100		
66	30.9	32.8	49.2#
65	25.6	16.4	24.6#

Manual Integrations
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#7

Phenol-d6

Concen: 132.347 ng

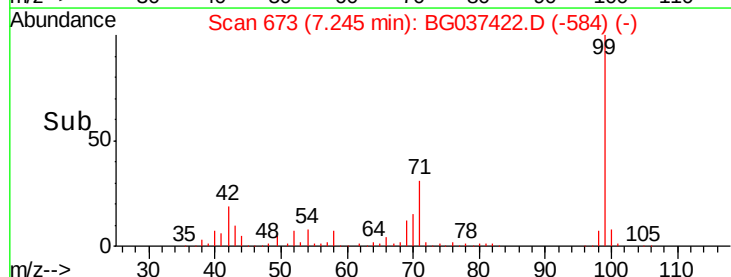
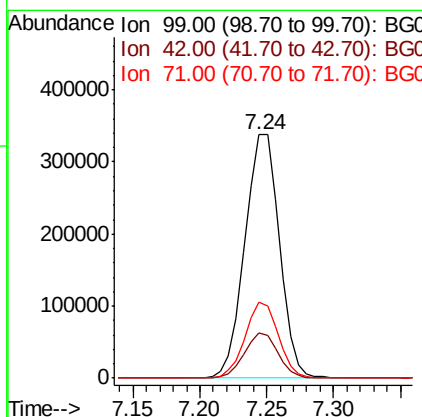
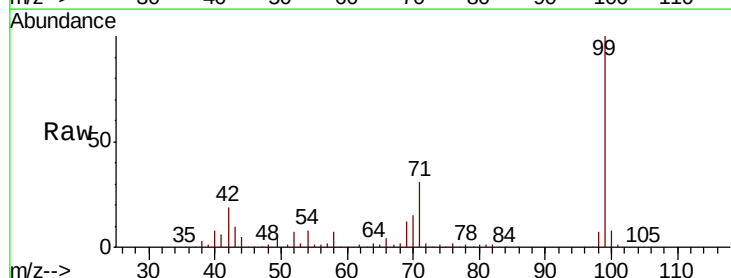
RT: 7.24 min Scan# 673

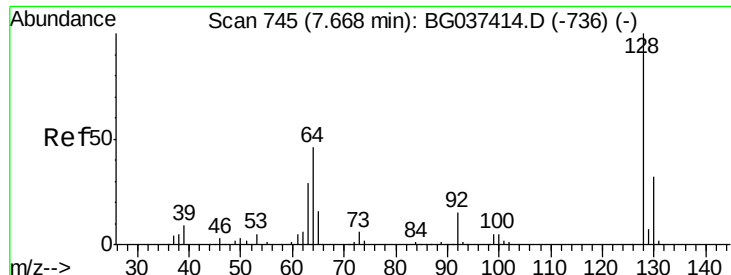
Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	99	Resp:	604738
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	31.4	25.5	38.3





#8

2-Chlorophenol

Concen: 0.977 ng

RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

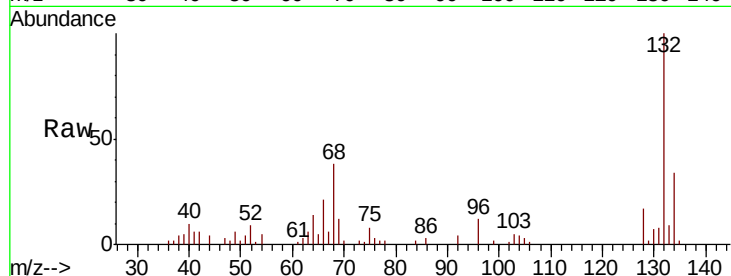
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

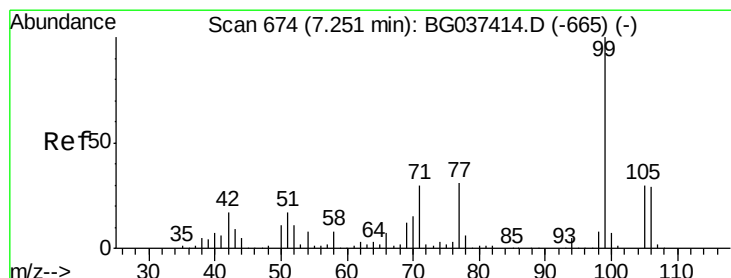
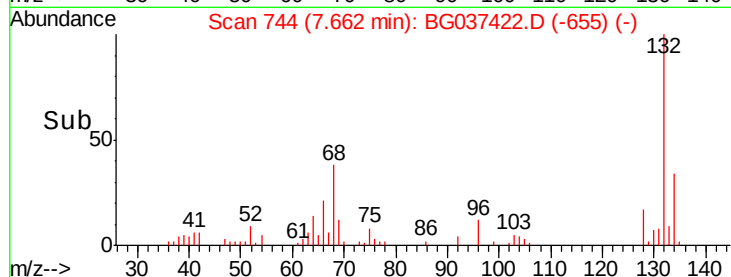
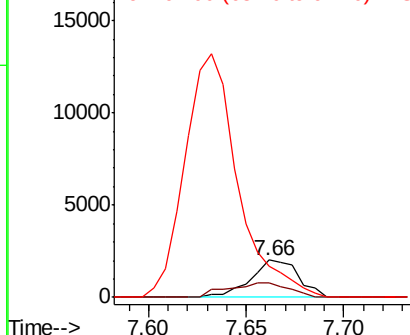
Tot Ion:	128	Resp:	3453
Ion Ratio	Lower	Upper	
128	100		
130	39.1	12.0	52.0
64	83.0	32.9	72.9#

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 1.121 ng

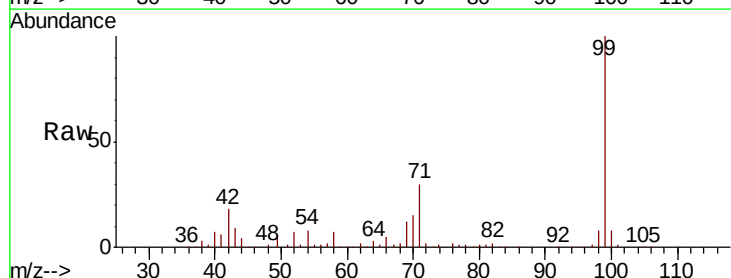
RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

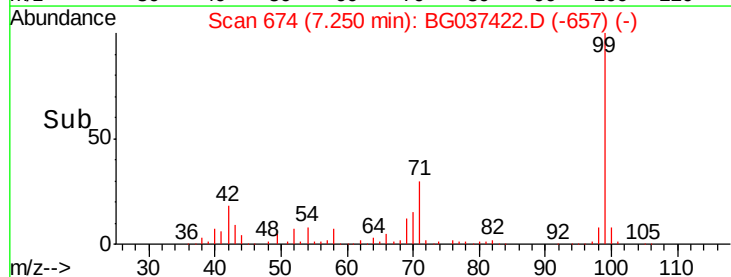
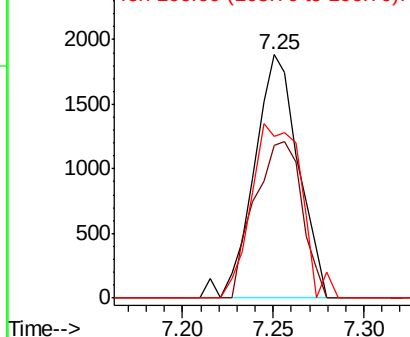
Lab File: BG037422.D

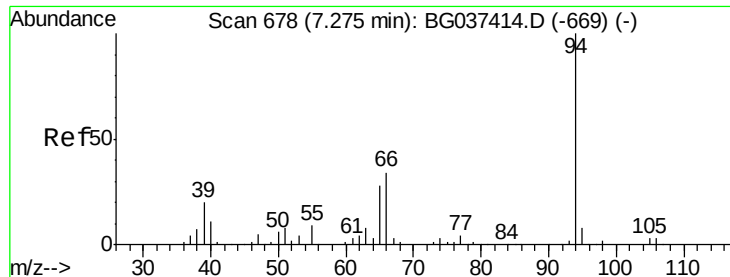
Acq: 18 Oct 2018 16:40

Tgt Ion:	77	Resp:	3203
Ion Ratio	Lower	Upper	
77	100		
105	62.6	72.6	112.6#
106	66.2	71.3	111.3#



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





#10

Phenol

Concen: 1.017 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

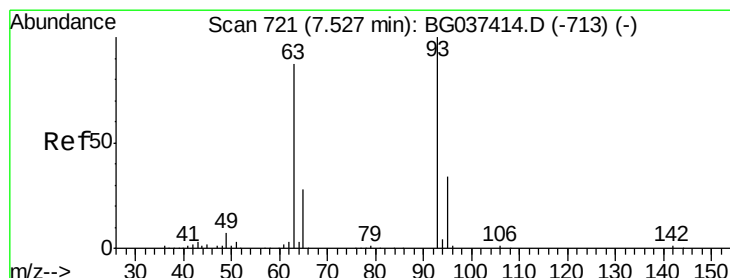
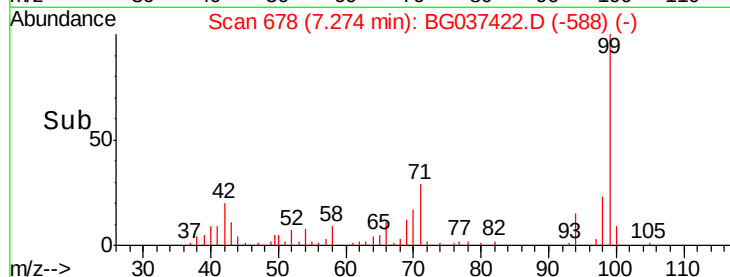
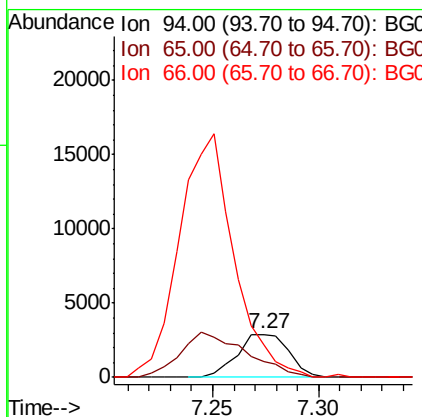
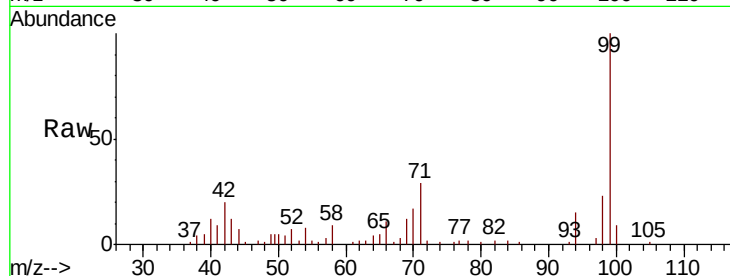
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	94	Resp:	4904
Ion	Ratio	Lower	Upper
94	100		
65	35.9	9.7	49.7
66	75.1	15.9	55.9#

Manual Integrations
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#11

bis(2-Chloroethyl)ether

Concen: 0.935 ng

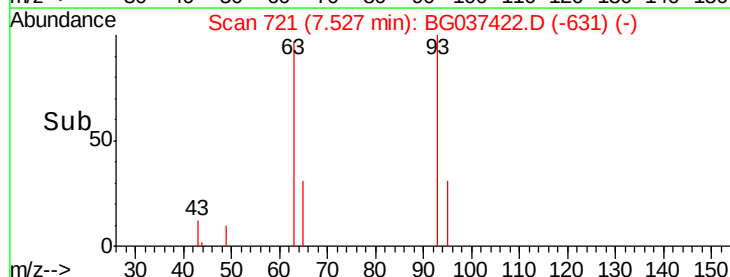
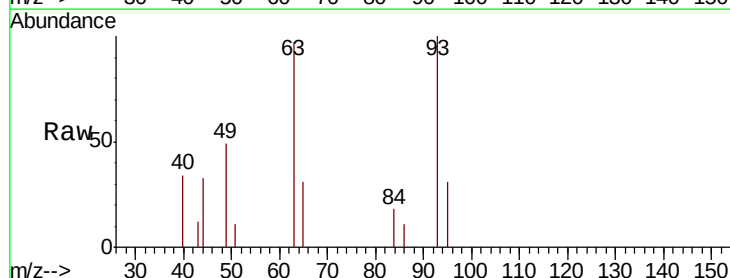
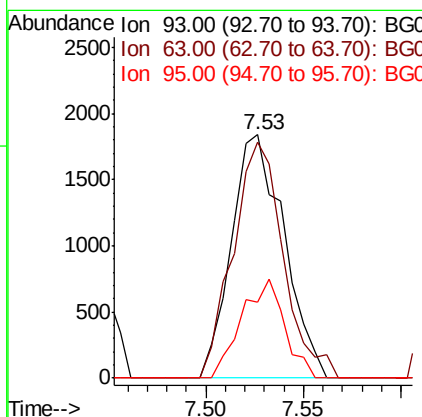
RT: 7.53 min Scan# 721

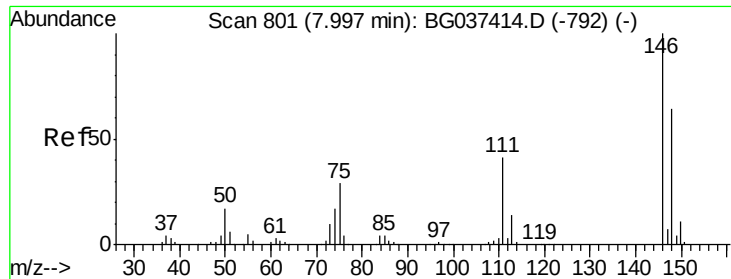
Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	93	Resp:	3422
Ion	Ratio	Lower	Upper
93	100		
63	96.8	69.5	109.5
95	31.3	12.6	52.6





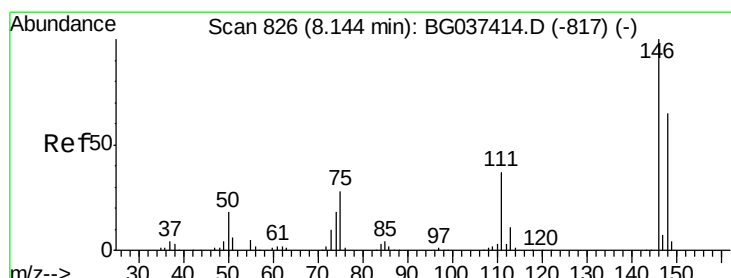
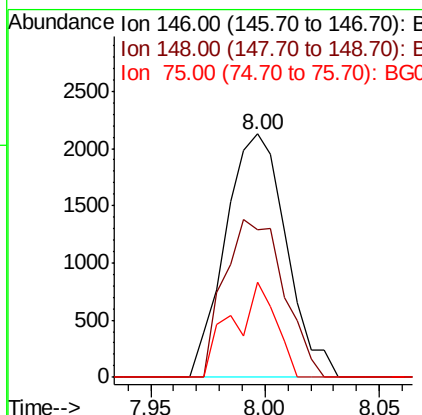
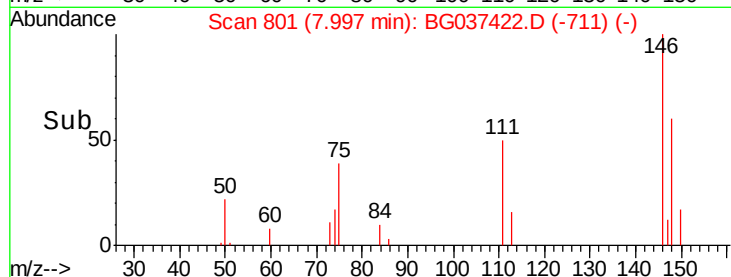
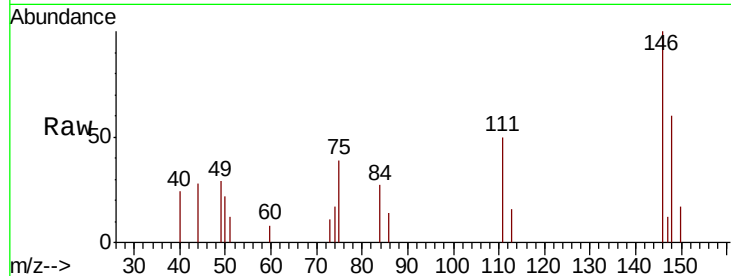
#12
 1,3-Dichlorobenzene
 Concen: 1.002 ng m
 RT: 8.00 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Instrument :
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Tot Ion	Ratio	Lower	Upper
146	100		
148	60.5	49.8	74.8
75	38.8	23.2	34.8

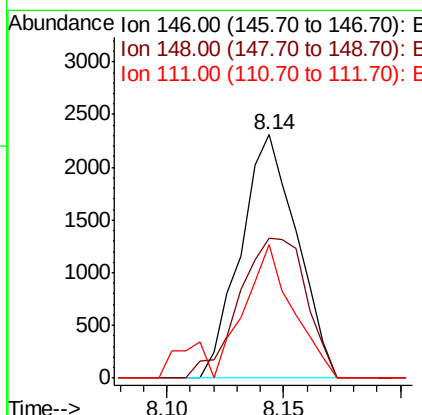
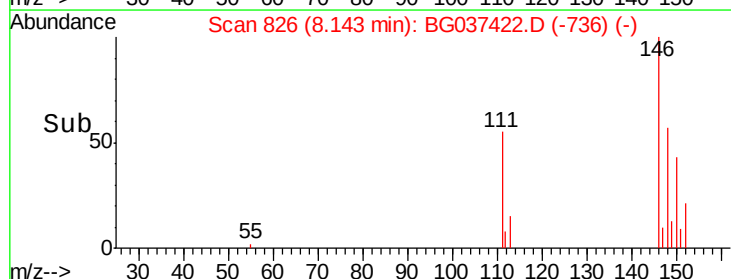
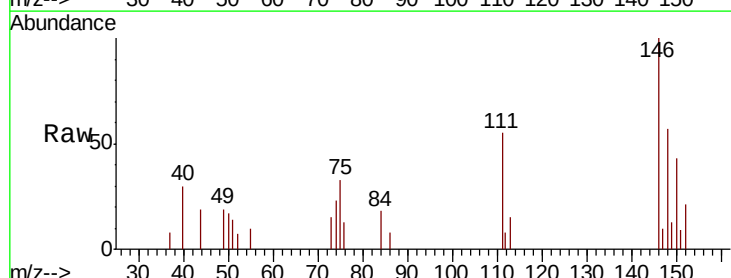
Manual Integrations
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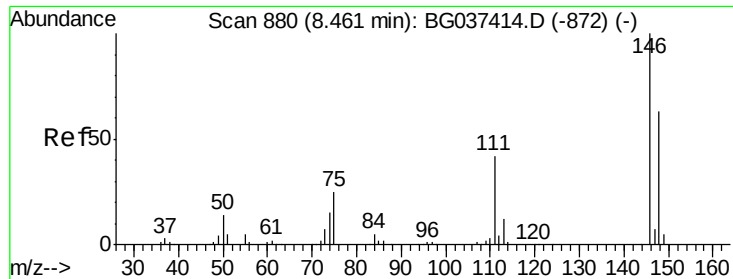
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#13
 1,4-Dichlorobenzene
 Concen: 0.964 ng m
 RT: 8.14 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	57.2	51.0	76.6
111	55.0	32.4	48.6





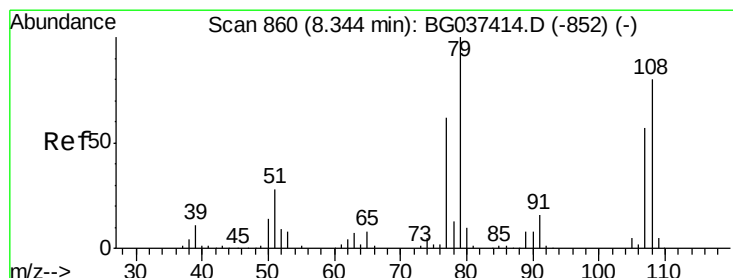
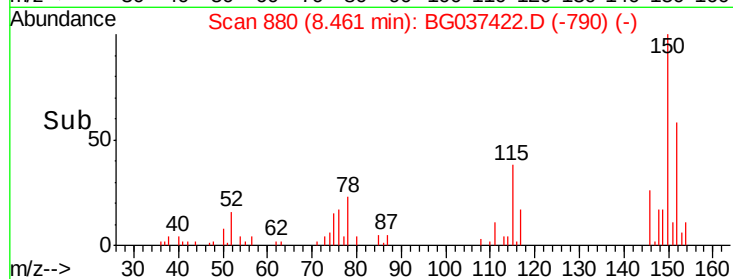
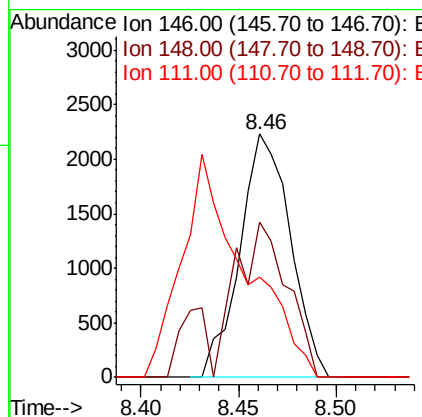
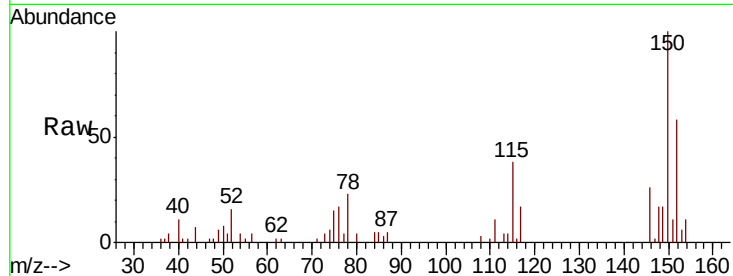
#14
 1,2-Dichlorobenzene
 Concen: 1.031 ng
 RT: 8.46 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	41.0	34.6	51.8

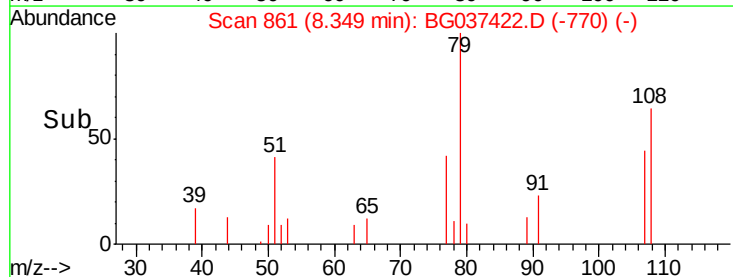
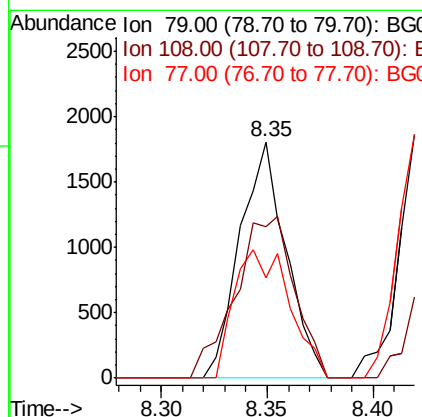
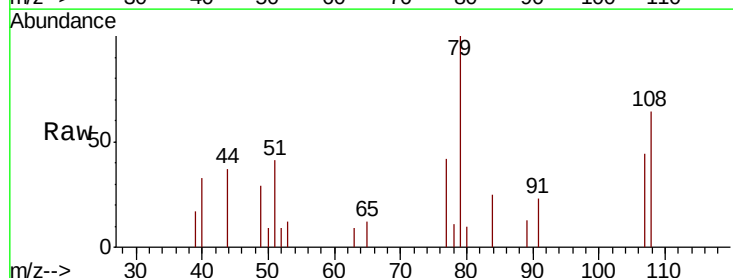
Manual Integrations
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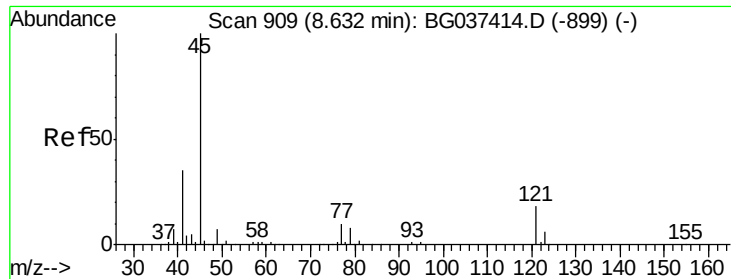
Sohil
 10/19/2018 3:57:48 PM



#15
 Benzyl Alcohol
 Concen: 0.813 ng
 RT: 8.35 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
79	100		
108	64.3	65.8	98.8#
77	42.5	52.9	79.3#





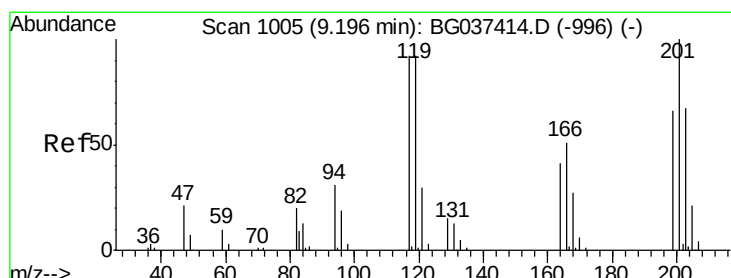
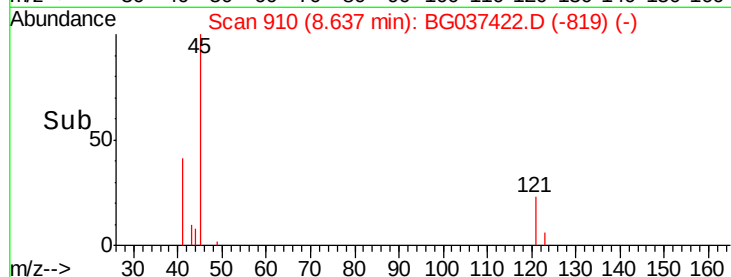
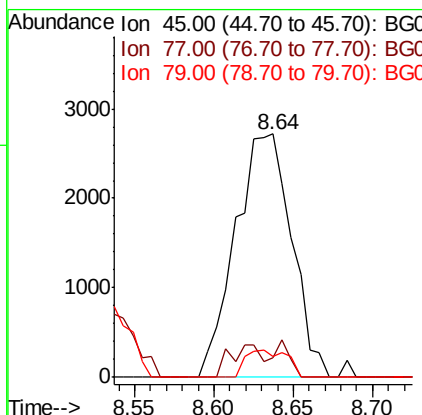
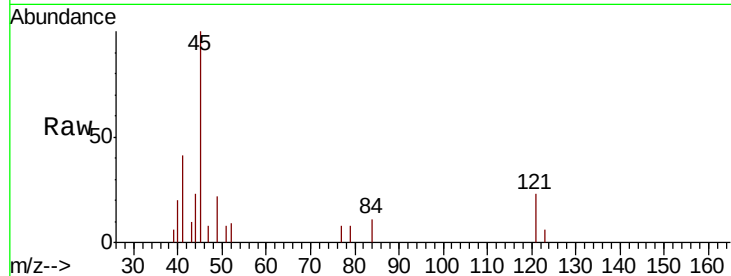
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.021 ng
RT: 8.64 min Scan# 910
Delta R.T. 0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
45	100		
77	8.0	0.0	30.0
79	8.4	0.0	29.0

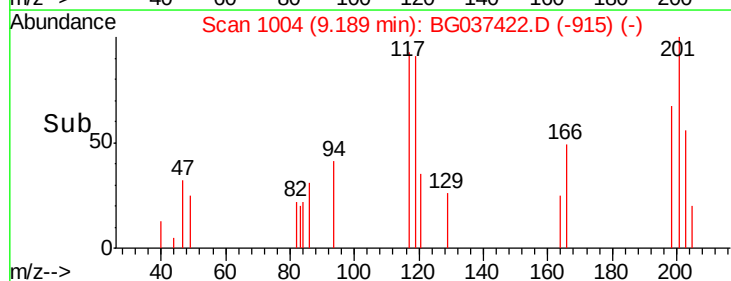
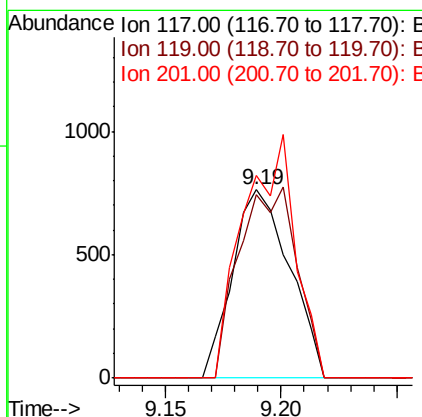
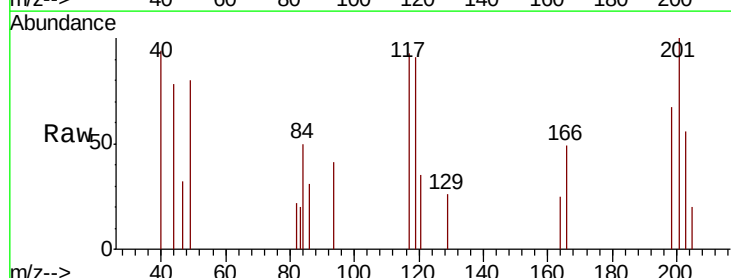
Manual Integrations
APPROVED

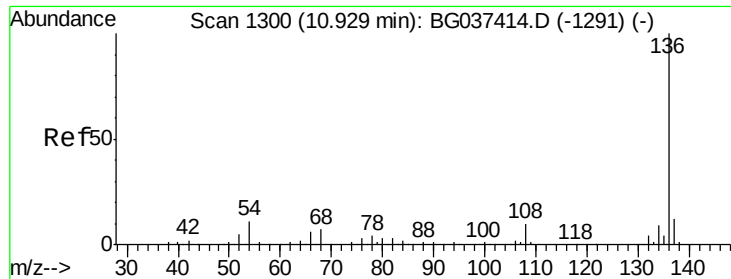
Sohil
10/19/2018 3:57:48 PM



#18
Hexachloroethane
Concen: 0.957 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.6	111.8
201	107.3	80.8	121.2





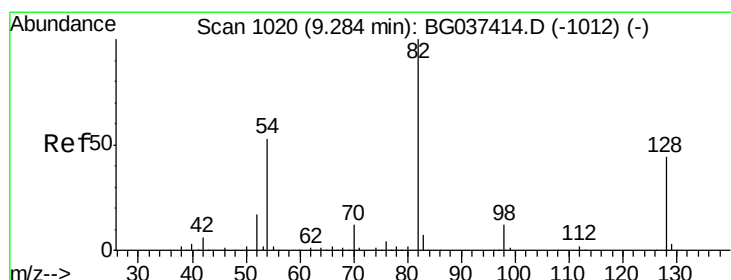
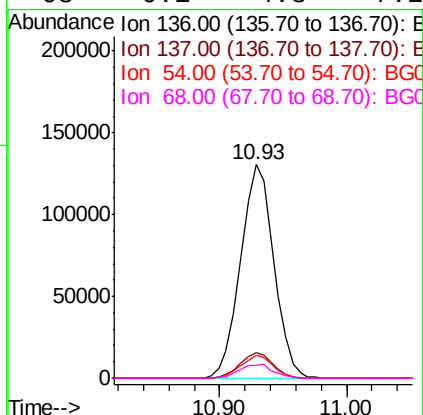
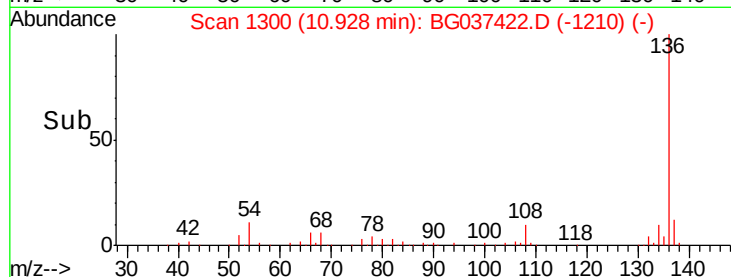
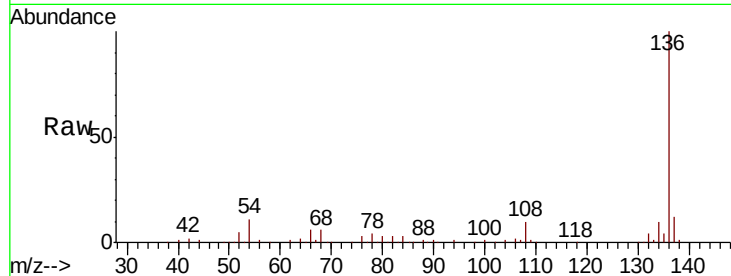
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	238018		
137	12.0		9.6	14.4
54	10.6		7.9	11.9
68	6.1		4.8	7.2

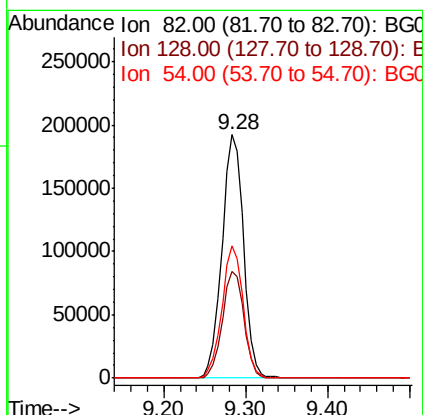
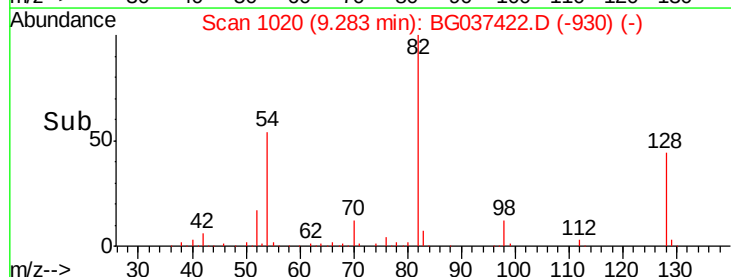
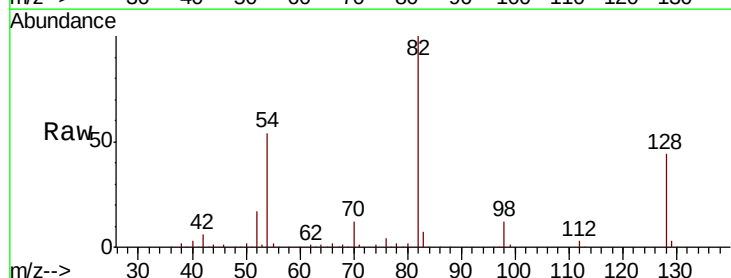
Manual Integrations
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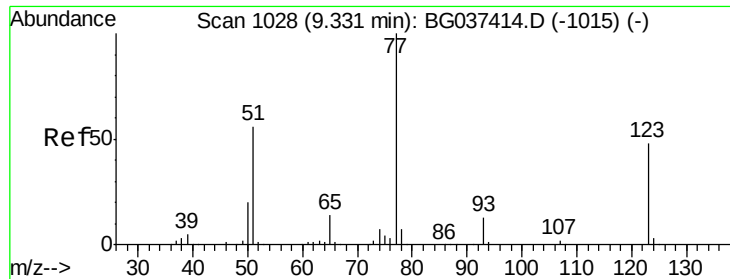
Sohil
10/19/2018 3:57:48 PM



#23
Nitrobenzene-d5
Concen: 82.921 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	352323		
128	43.8		34.6	51.8
54	54.4		45.3	67.9





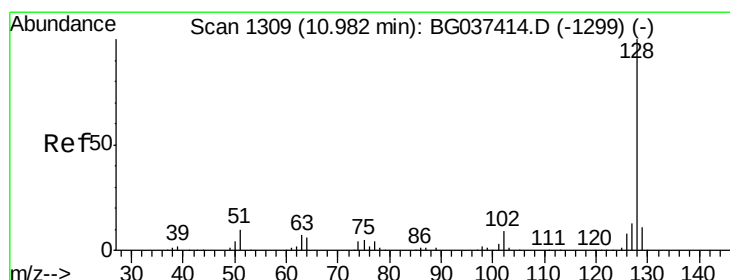
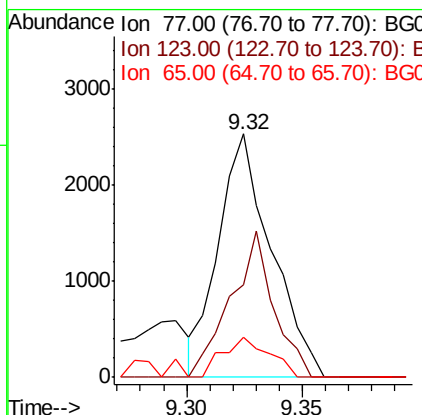
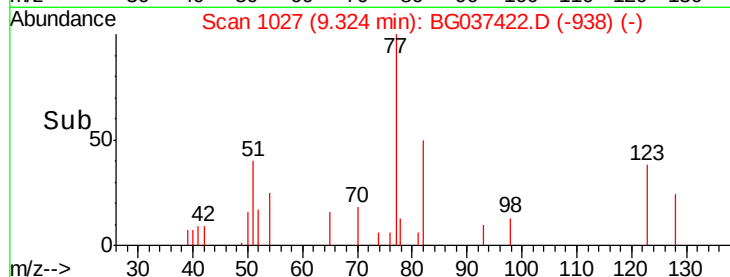
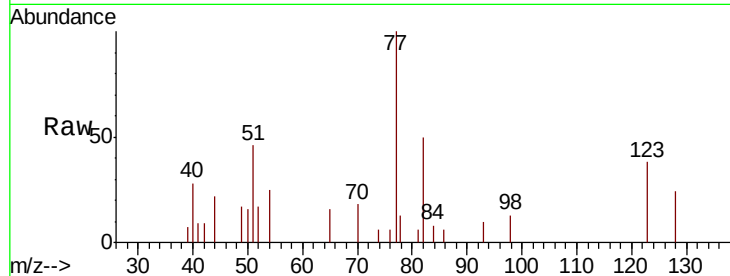
#24
Nitrobenzene
Concen: 0.911 ng
RT: 9.32 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
77	100		
123	38.2	33.6	50.4
65	16.4	11.3	16.9

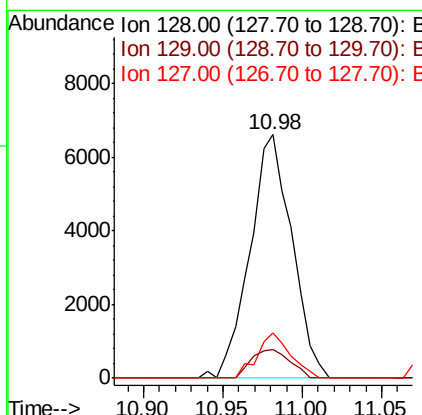
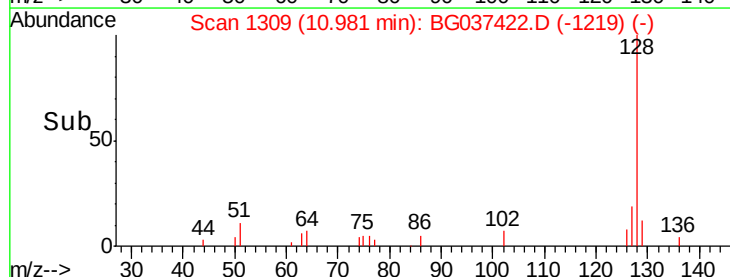
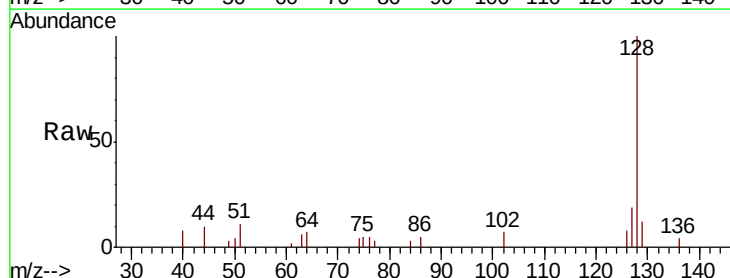
Manual Integrations
APPROVED

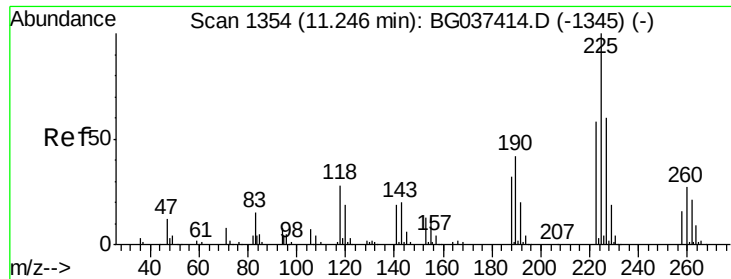
Sohil
10/19/2018 3:57:48 PM



#31
Naphthalene
Concen: 1.037 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	18.6	11.1	16.7#





#34

Hexachlorobutadiene

Concen: 1.017 ng

RT: 11.24 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

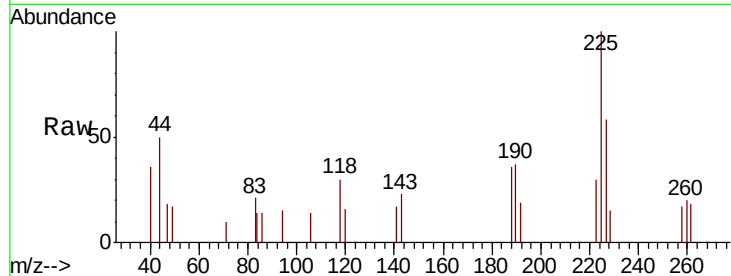
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	225	Resp:	2592
Ion Ratio	Lower	Upper	
225	100		
223	30.3	48.2	72.4#
227	57.9	51.6	77.4

Manual Integrations
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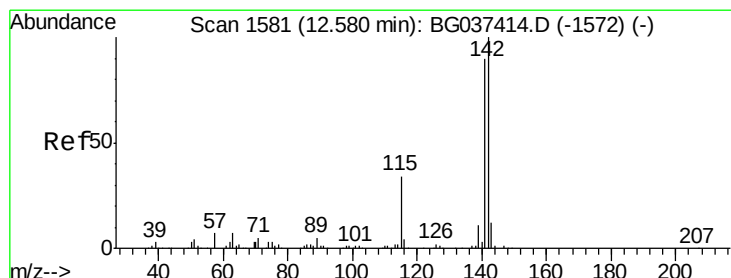
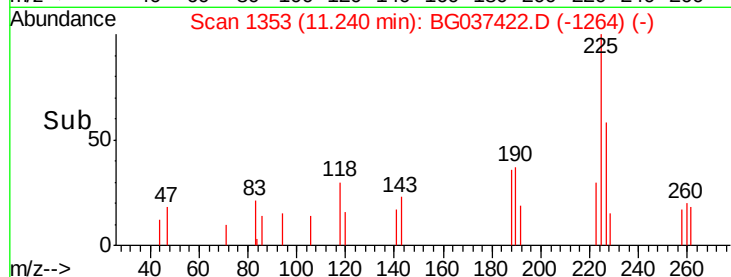
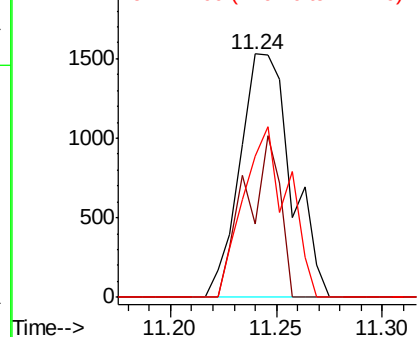


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 1.125 ng

RT: 12.58 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

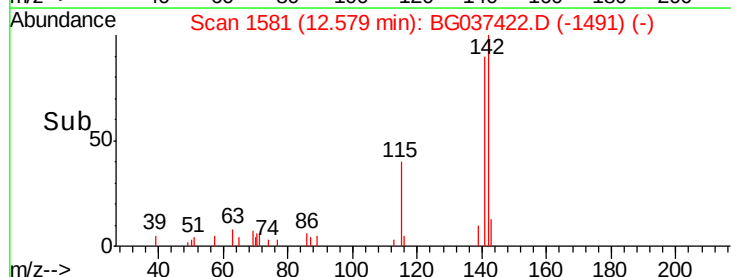
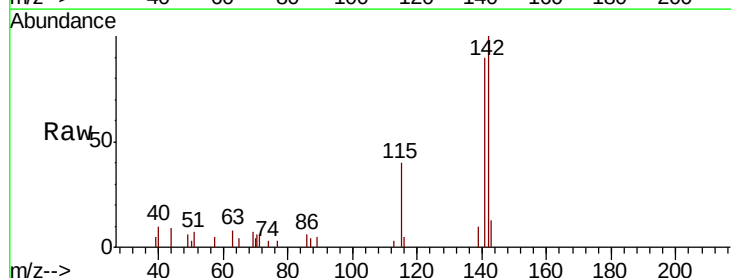
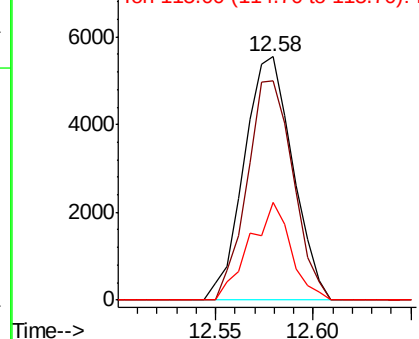
Tgt Ion:	142	Resp:	9588
Ion Ratio	Lower	Upper	
142	100		
141	90.2	71.9	107.9
115	40.1	27.8	41.8

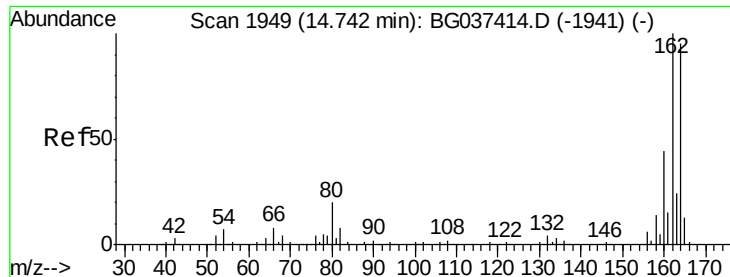
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:164 Resp: 159050

Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

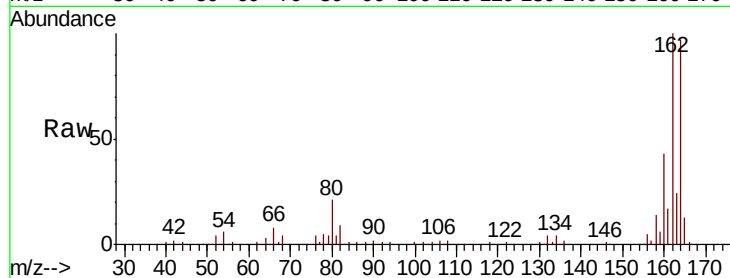
160 44.1 36.3 54.5

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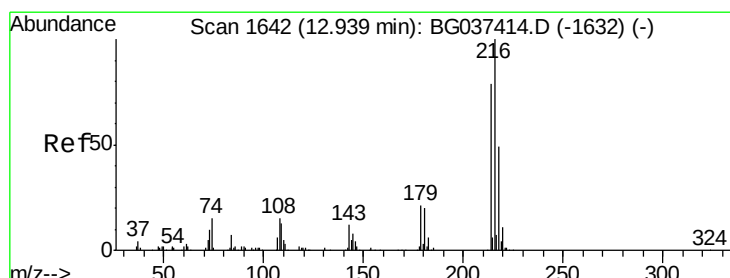
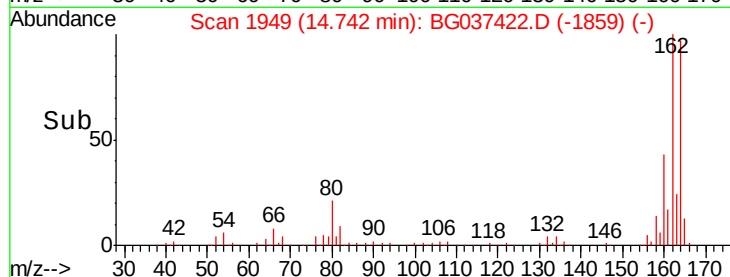
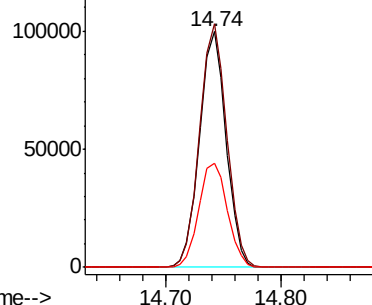


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.016 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:216 Resp: 5212

Ion Ratio Lower Upper

216 100

214 77.0 63.8 95.6

179 19.8 17.4 26.0

108 14.9 13.9 20.9

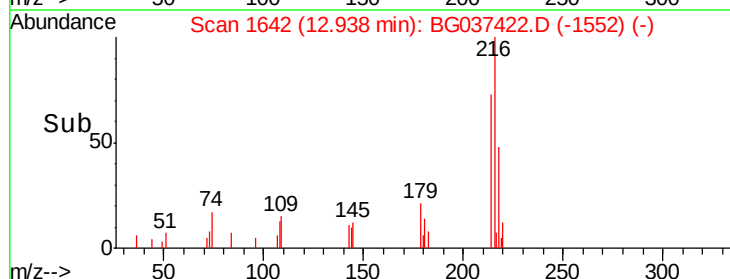
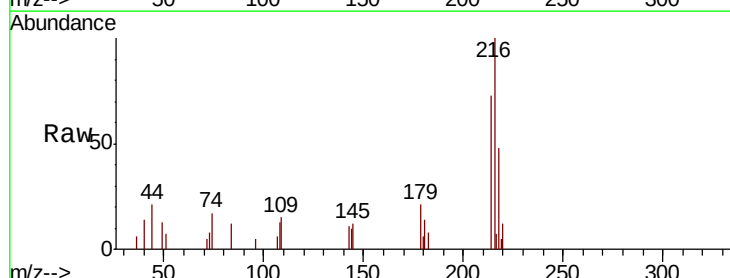
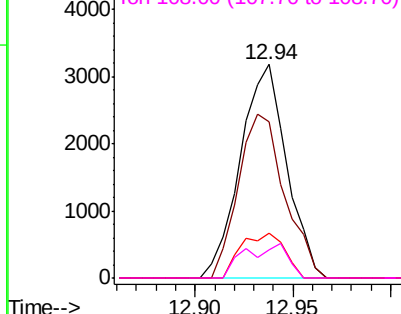
Abundance

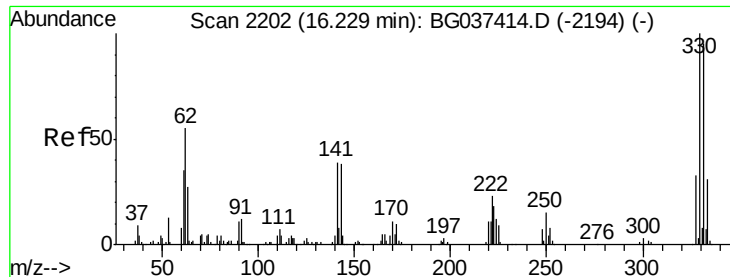
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#42

2,4,6-Tribromophenol

Concen: 138.456 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

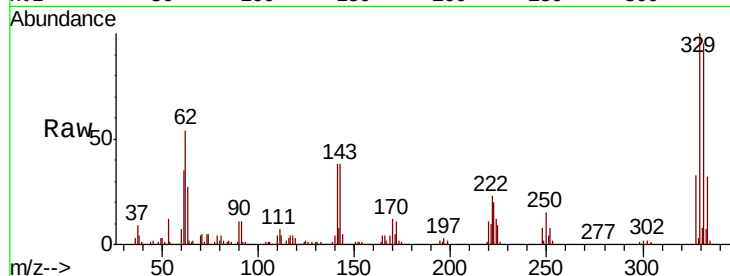
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	330	Resp:	240185
Ion Ratio		Lower	Upper
330	100		
332	95.7	78.4	117.6
141	39.8	32.2	48.2

Manual Integrations
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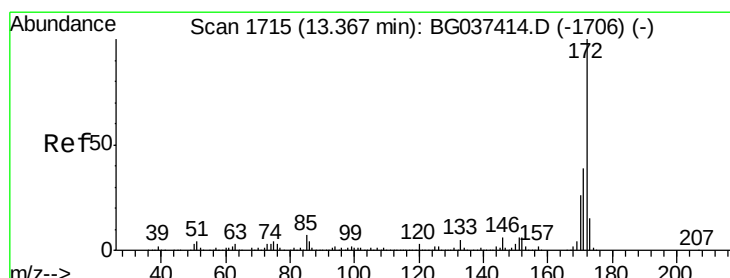
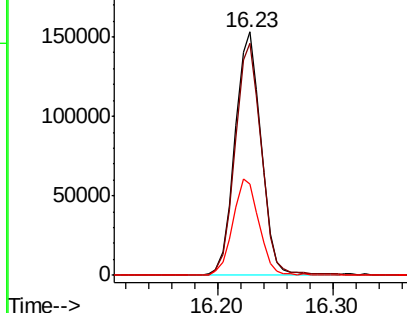
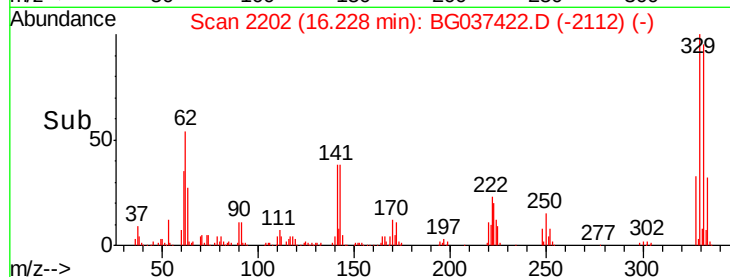


Abundance

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: 83.123 ng

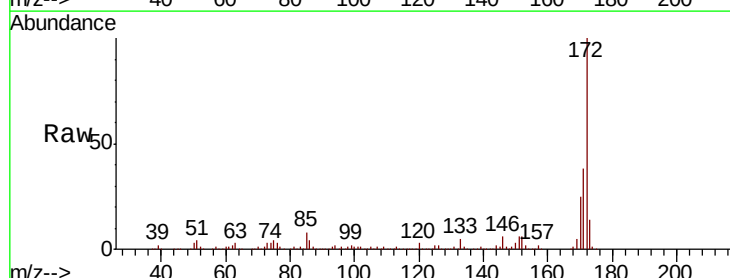
RT: 13.37 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	172	Resp:	876742
Ion Ratio		Lower	Upper
172	100		
171	38.1	31.0	46.4
170	25.0	20.2	30.2

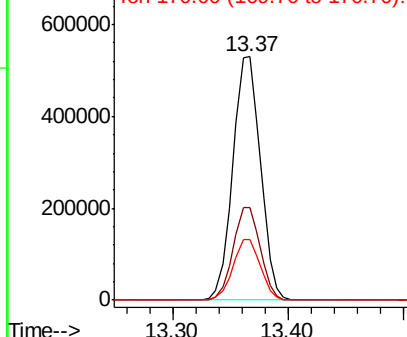
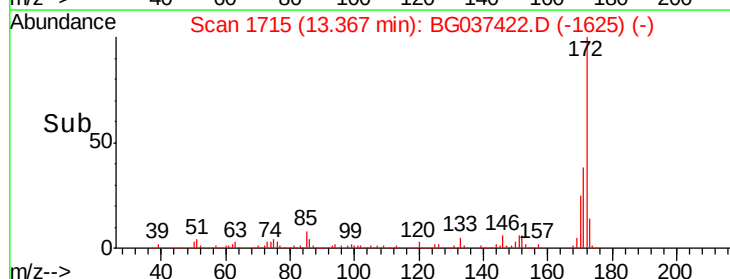


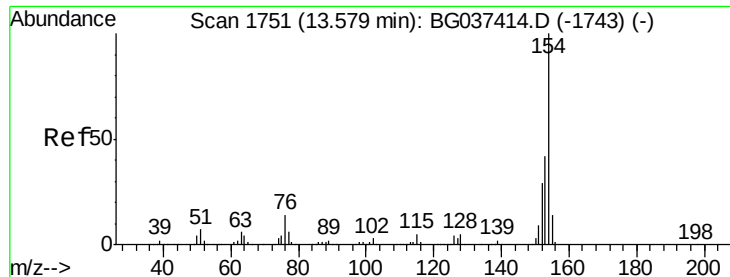
Abundance

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





#46

1,1'-Biphenyl

Concen: 1.037 ng

RT: 13.58 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

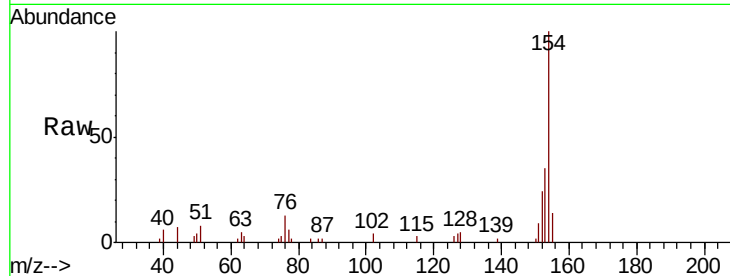
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	154	Resp:	13662
Ion Ratio	Lower	Upper	
154	100		
153	34.8	22.1	62.1
76	13.2	0.0	33.2

Manual Integrations
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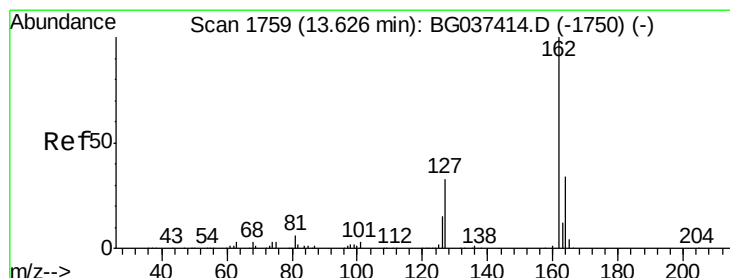
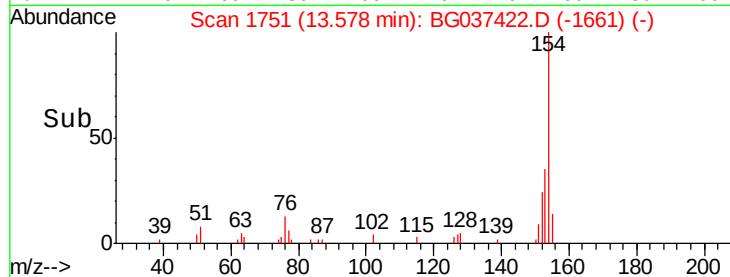
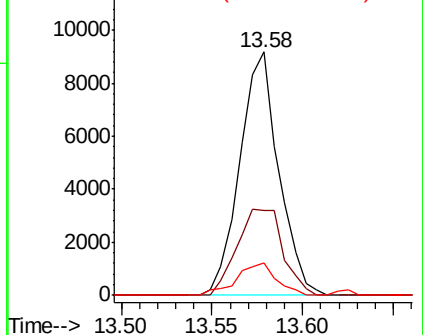


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#47

2-Chloronaphthalene

Concen: 0.950 ng

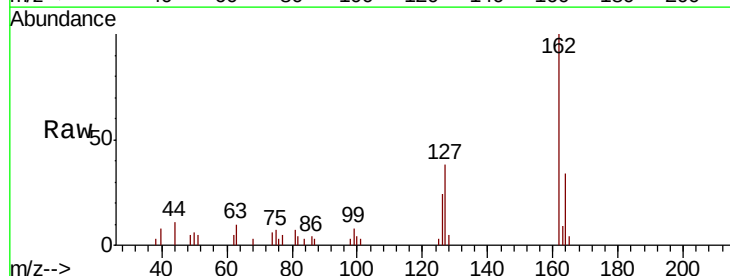
RT: 13.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	162	Resp:	9469
Ion Ratio	Lower	Upper	
162	100		
127	38.2	30.5	45.7
164	33.5	26.4	39.6

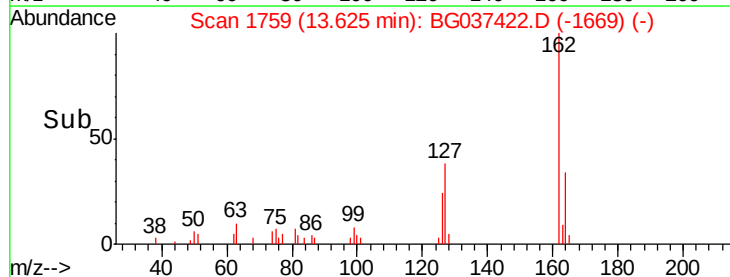
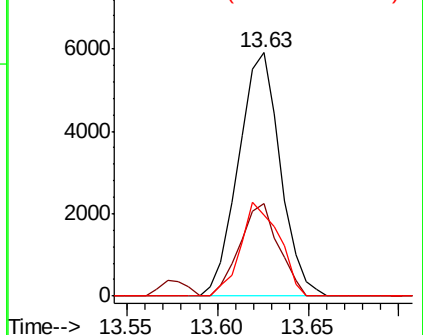


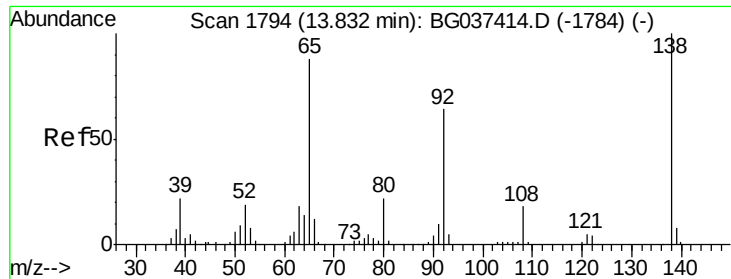
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





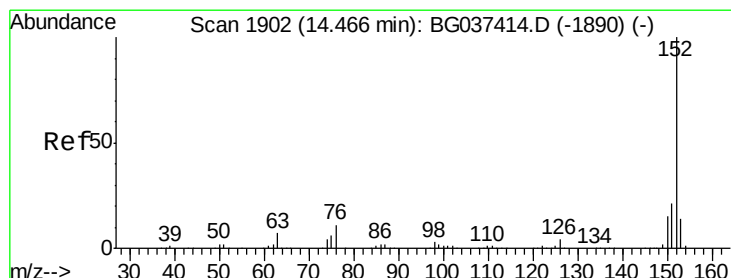
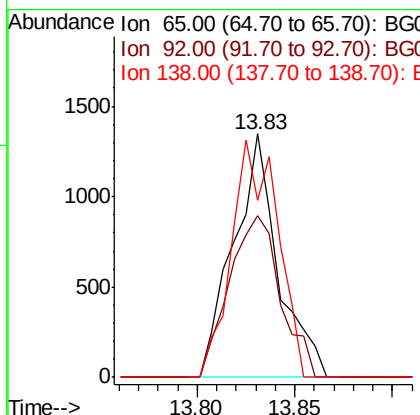
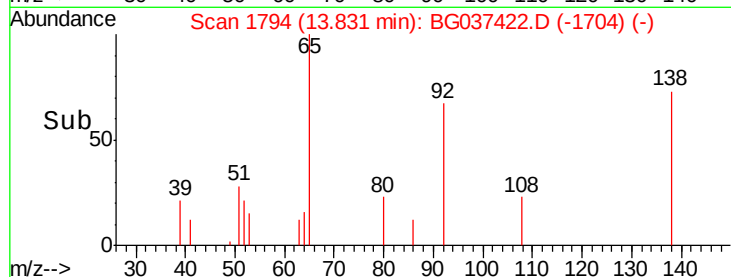
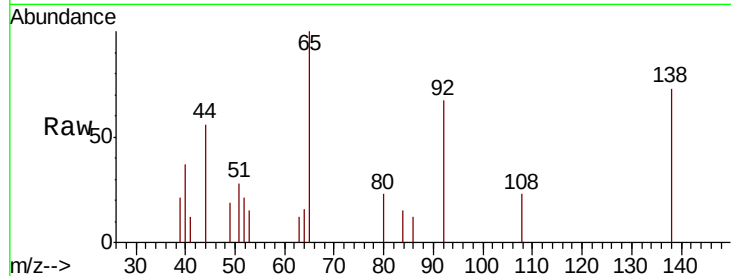
#48
2-Nitroaniline
Concen: 0.702 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.5	53.2	79.8
138	72.6	79.3	118.9

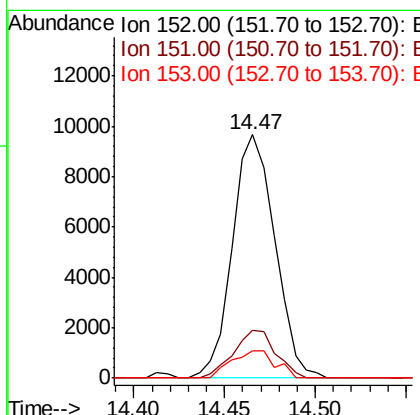
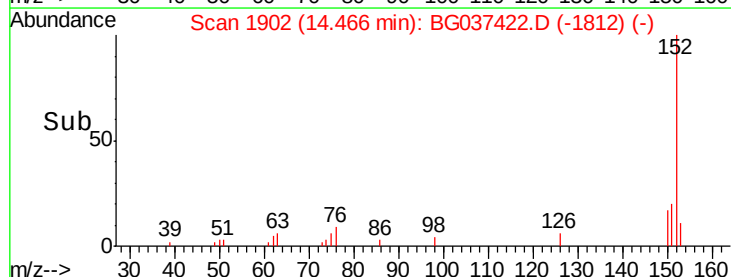
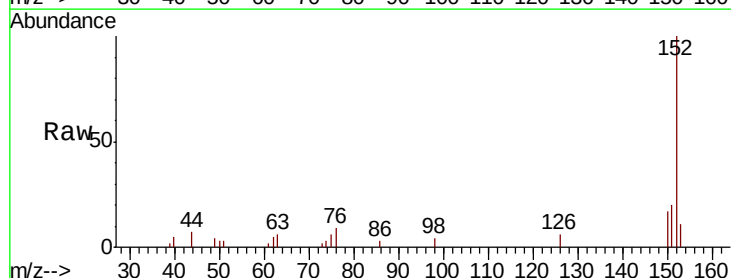
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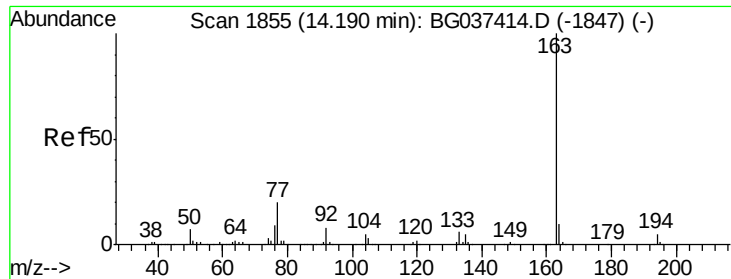
Sohil
10/19/2018 3:57:48 PM



#49
Acenaphthylene
Concen: 1.052 ng
RT: 14.47 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.1	25.7
153	11.2	11.1	16.7





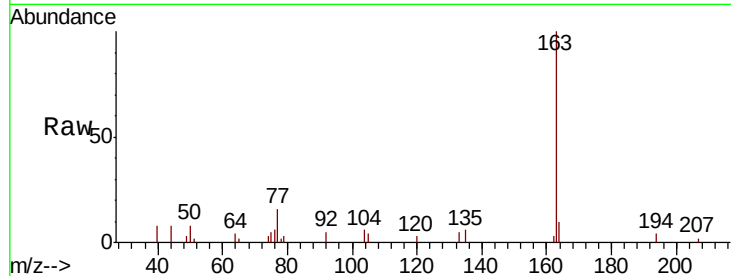
#50
Dimethylphthalate
Concen: 0.986 ng
RT: 14.18 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

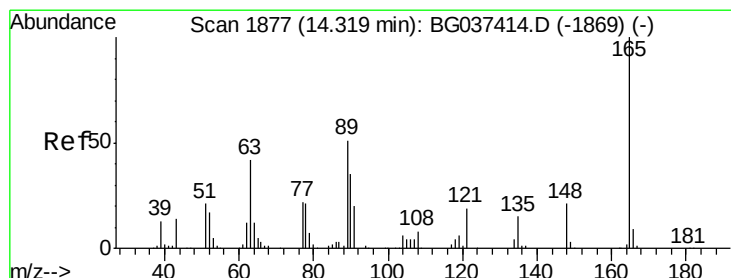
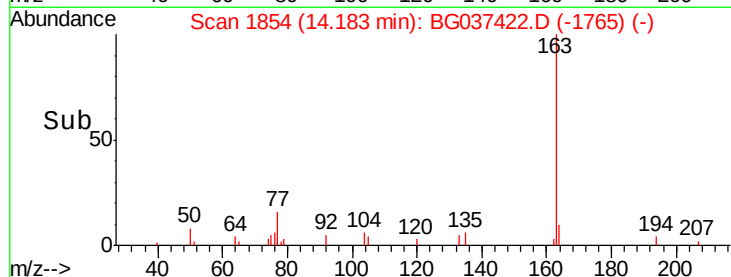
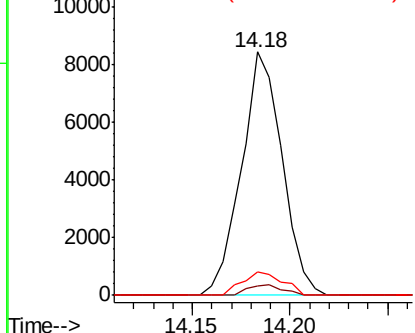
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.7	8.5	12.7

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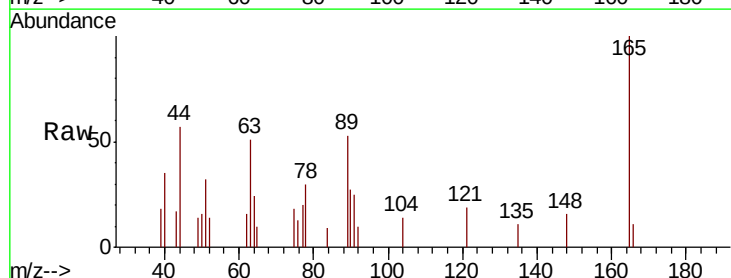


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

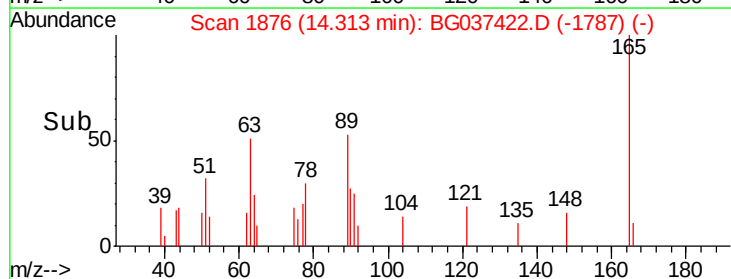
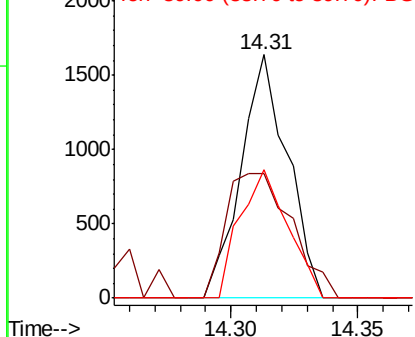


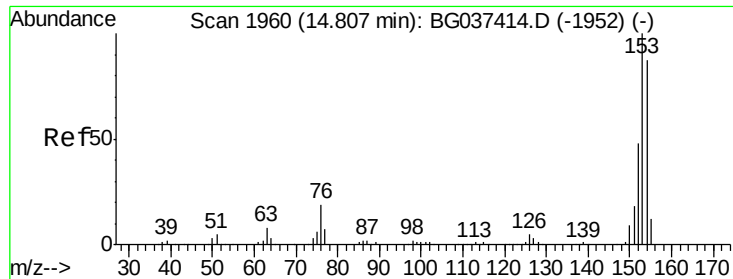
#51
2,6-Dinitrotoluene
Concen: 0.771 ng
RT: 14.31 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.4	43.4	65.2
89	52.7	45.8	68.6



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





#52

Acenaphthene

Concen: 1.035 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

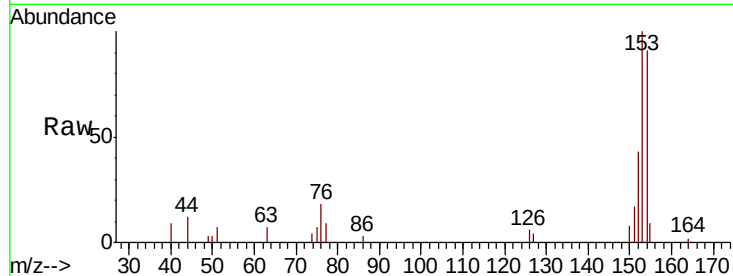
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

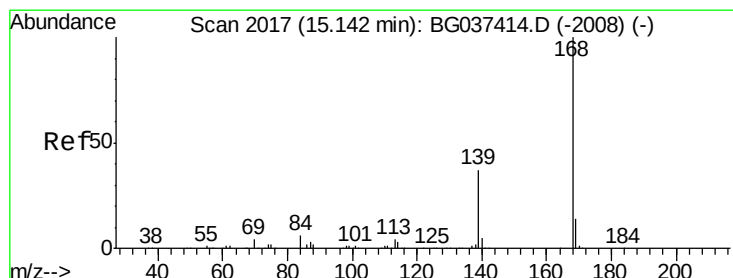
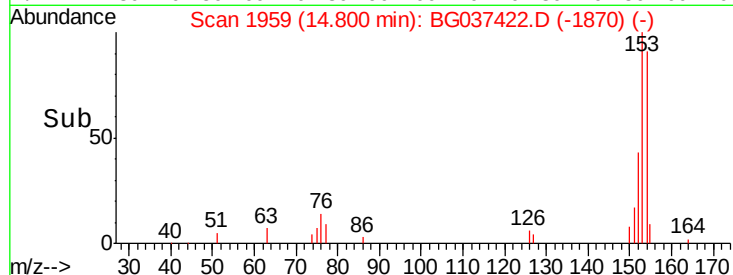
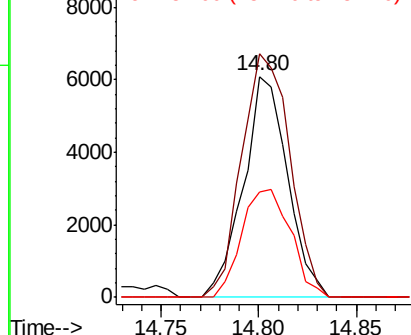
Tot Ion:	154	Resp:	9558
Ion	Ratio	Lower	Upper
154	100		
153	110.2	93.4	140.0
152	47.6	44.7	67.1

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 1.078 ng

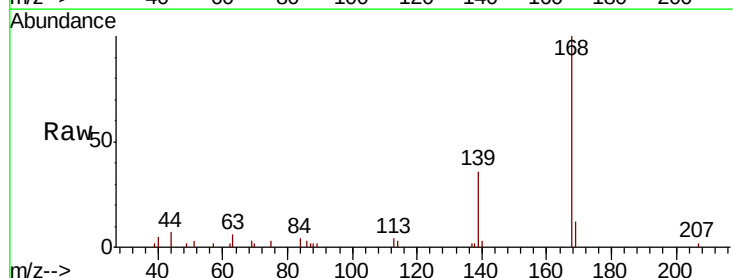
RT: 15.14 min Scan# 2017

Delta R.T. -0.00 min

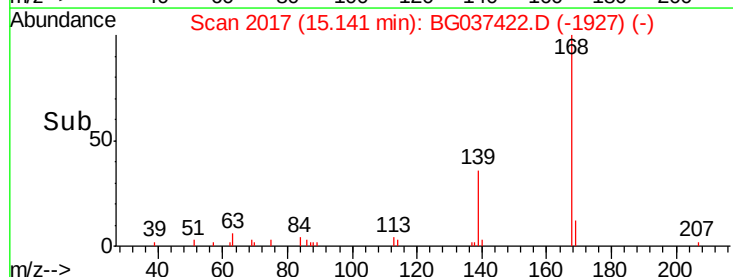
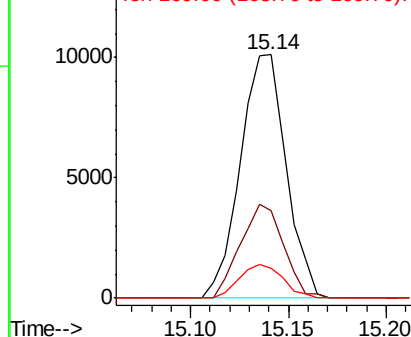
Lab File: BG037422.D

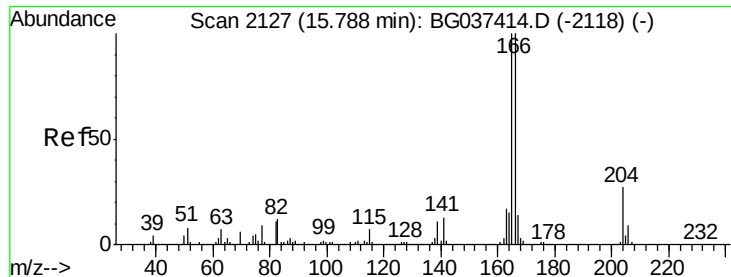
Acq: 18 Oct 2018 16:40

Tgt Ion:	168	Resp:	16489
Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.4	44.0
169	12.3	11.0	16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





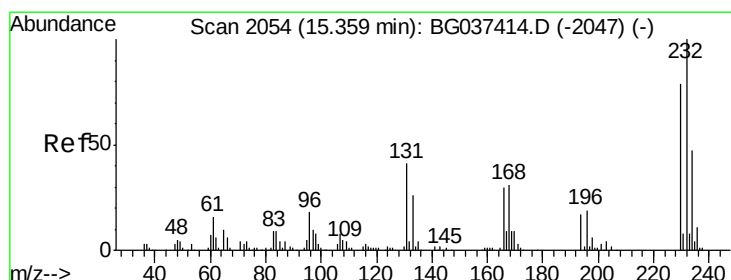
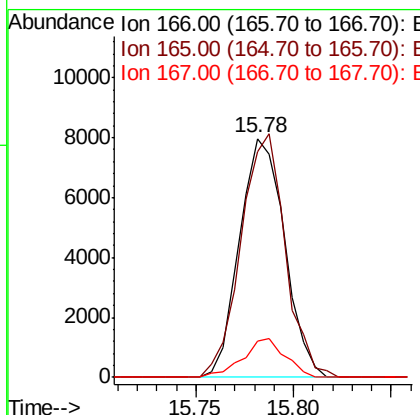
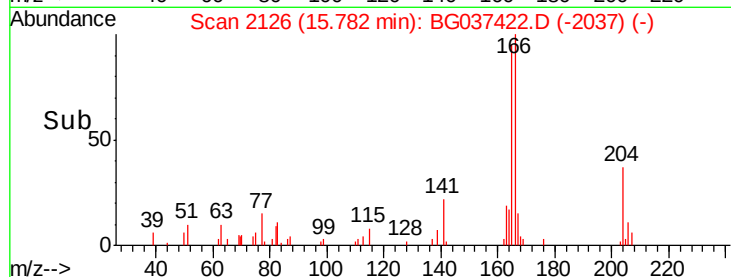
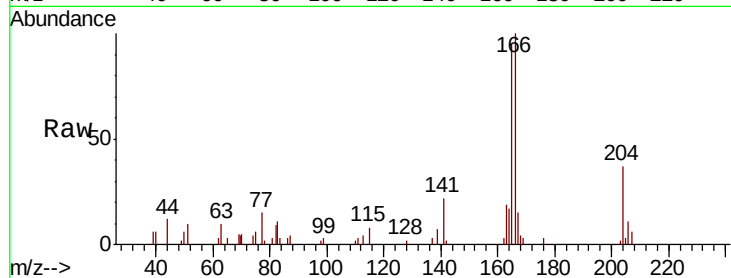
#58
Fluorene
Concen: 1.111 ng
RT: 15.78 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion:166 Resp: 12729
Ion Ratio Lower Upper
166 100
165 94.8 79.0 118.6
167 15.2 11.3 16.9

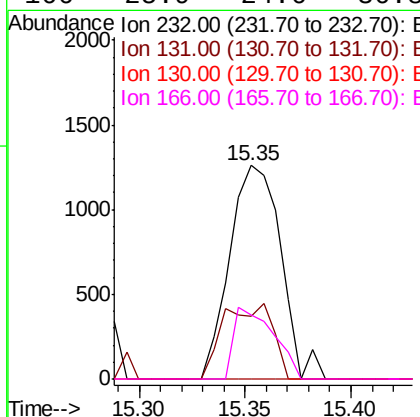
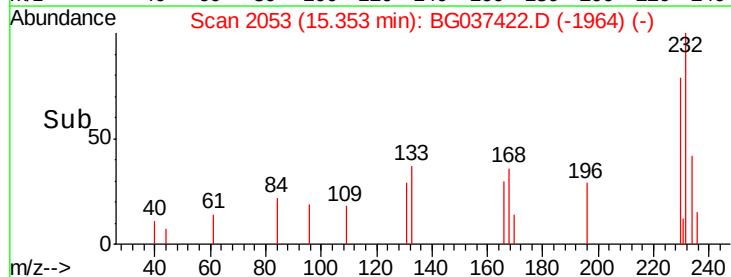
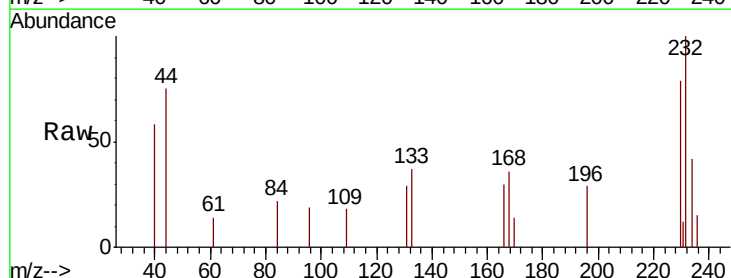
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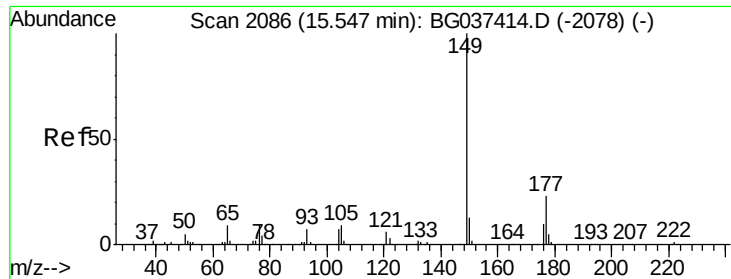
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#59
2,3,4,6-Tetrachlorophenol
Concen: 0.661 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion:232 Resp: 2113
Ion Ratio Lower Upper
232 100
131 34.3 33.7 50.5
130 0.0 2.1 3.1#
166 25.9 24.6 36.8





#60

Diethylphthalate

Concen: 0.928 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

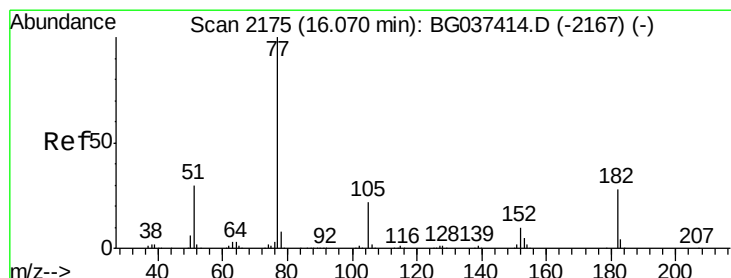
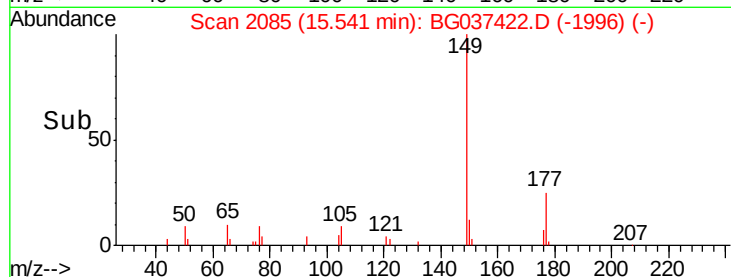
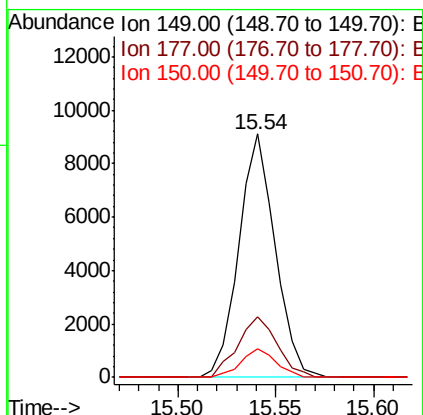
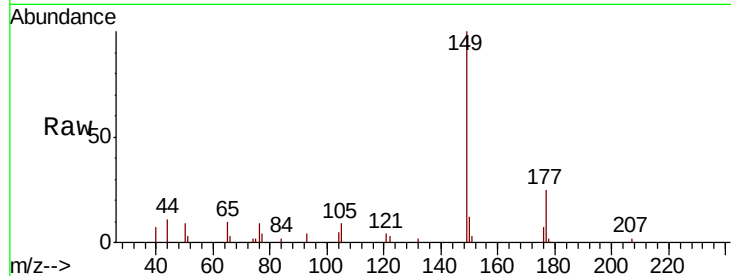
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	149	Resp:	11717
Ion Ratio	Lower	Upper	
149	100		
177	25.0	18.3	27.5
150	11.5	10.0	15.0

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#63

Azobenzene

Concen: 0.936 ng

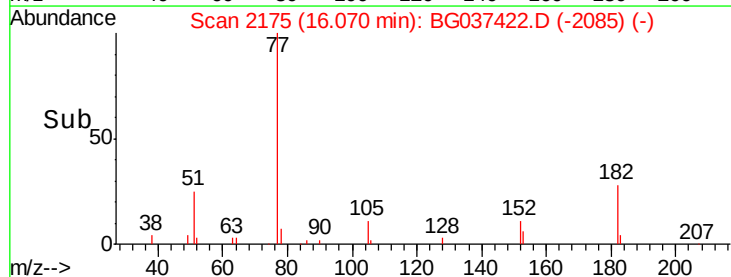
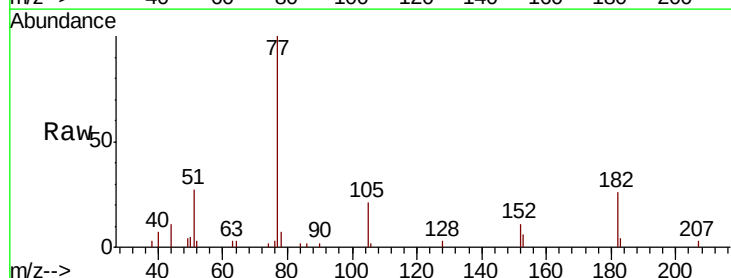
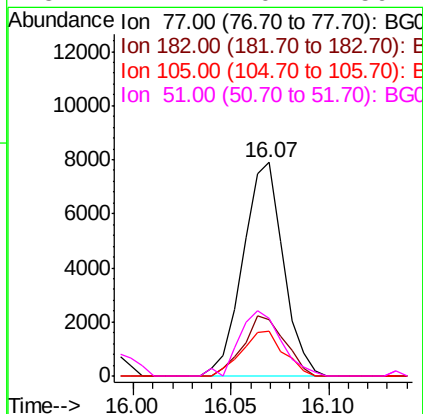
RT: 16.07 min Scan# 2175

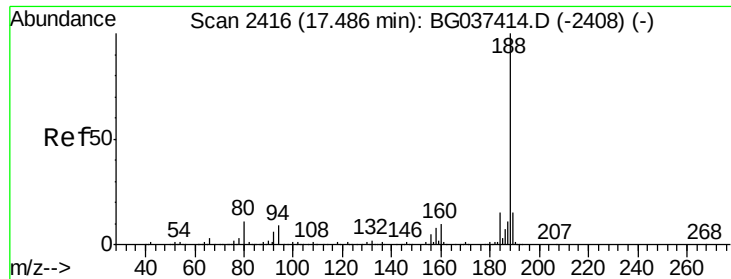
Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	77	Resp:	11278
Ion Ratio	Lower	Upper	
77	100		
182	26.4	8.0	48.0
105	21.0	1.3	41.3
51	27.1	10.7	50.7





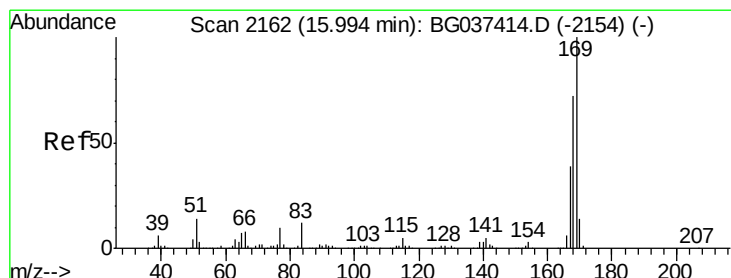
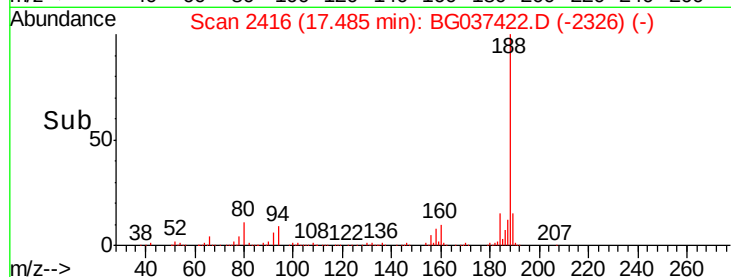
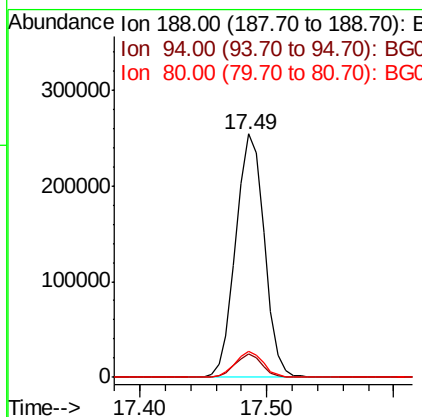
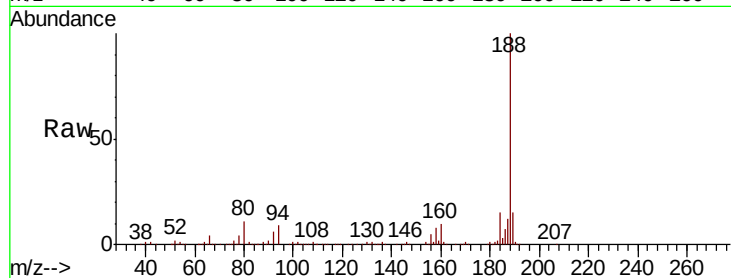
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	396985		
94	9.5		7.2	10.8
80	10.9		7.7	11.5

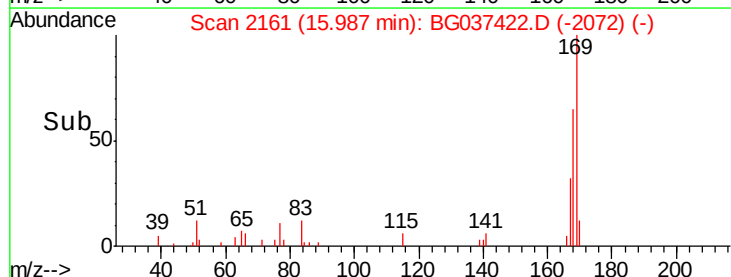
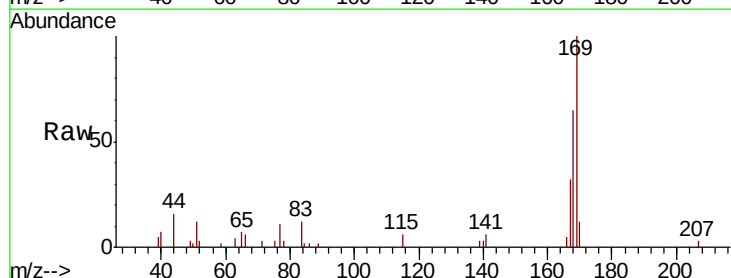
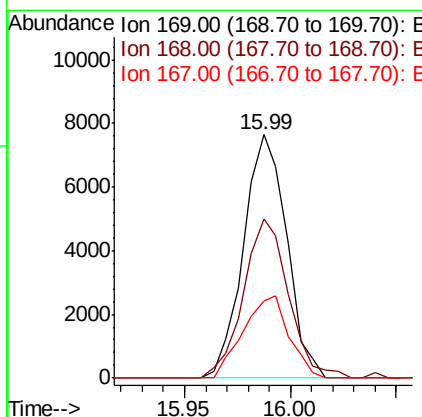
Manual Integrations
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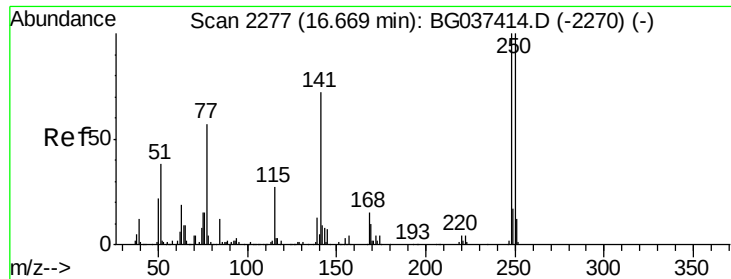
Sohil
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#66
n-Nitrosodiphenylamine
Concen: 0.907 ng
RT: 15.99 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	10829		
168	65.3		55.7	83.5
167	31.6		31.3	46.9





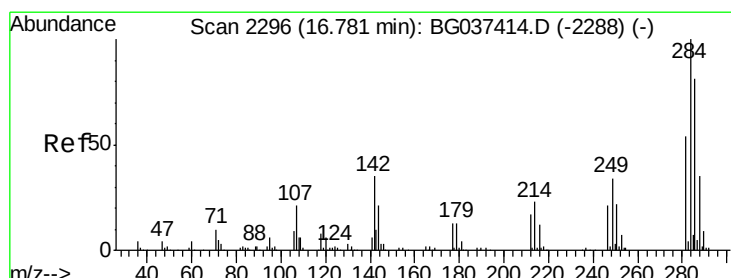
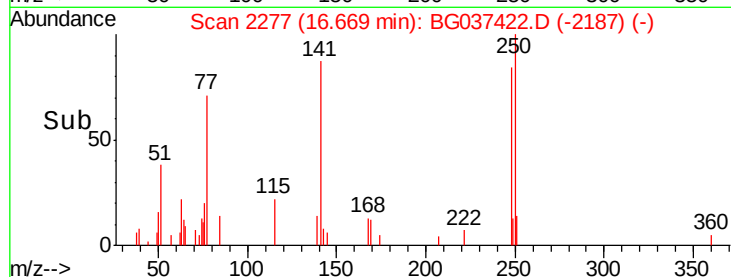
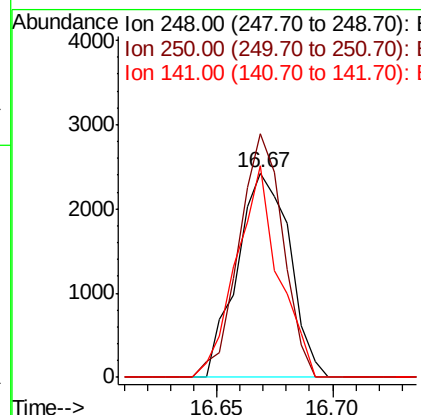
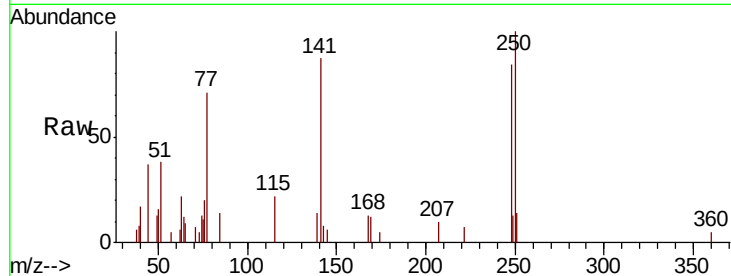
#67
4-Bromophenyl-phenylether
Concen: 0.880 ng
RT: 16.67 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	119.2	77.0	115.6#
141	103.3	55.5	83.3#

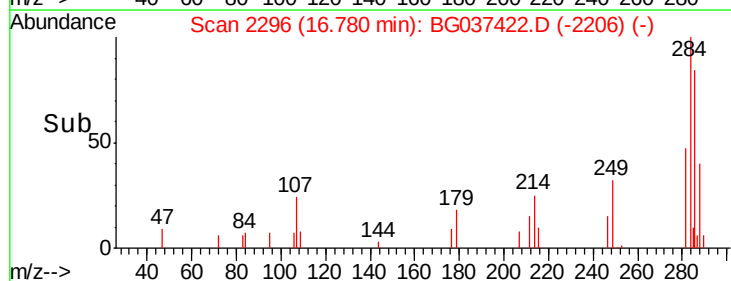
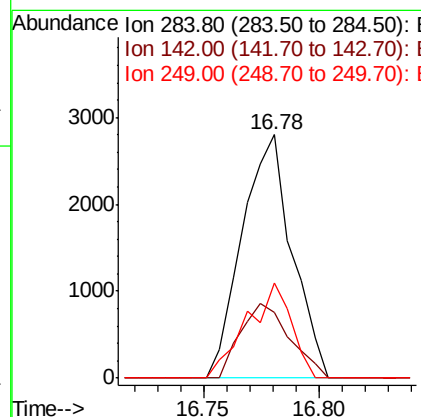
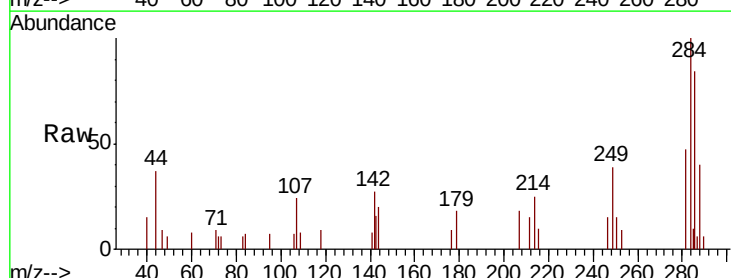
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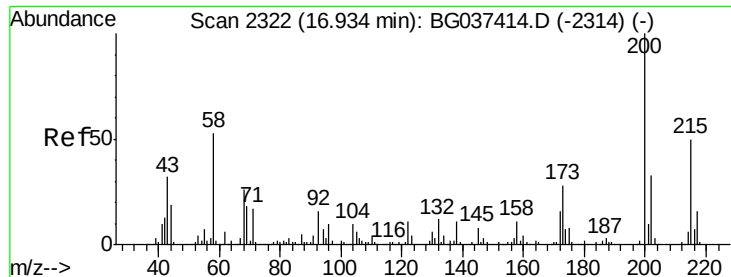
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#68
Hexachlorobenzene
Concen: 0.932 ng
RT: 16.78 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.2	28.1	42.1#
249	38.9	29.8	44.8





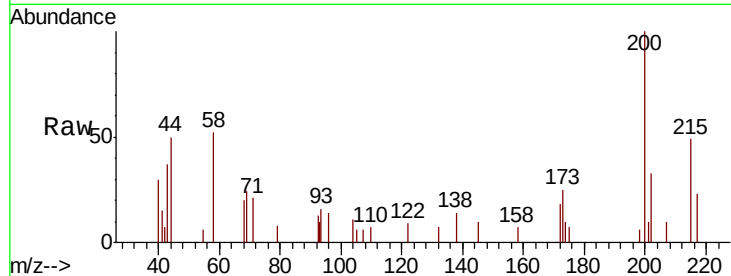
#69
Atrazine
Concen: 0.852 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.9	6.1	46.1
215	48.8	30.8	70.8

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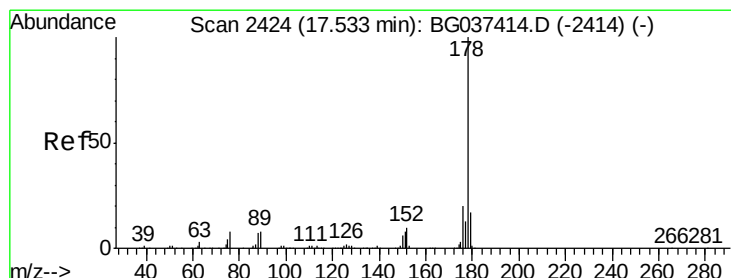
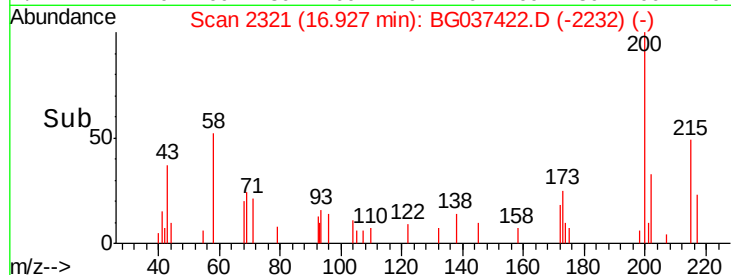
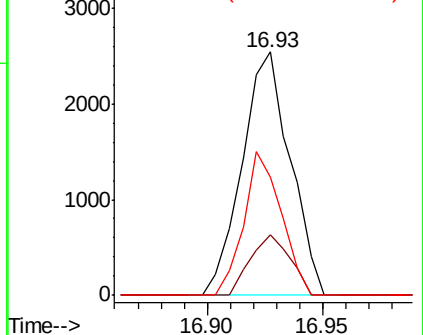


Abundance

Ion 200.00 (199.70 to 200.70): E

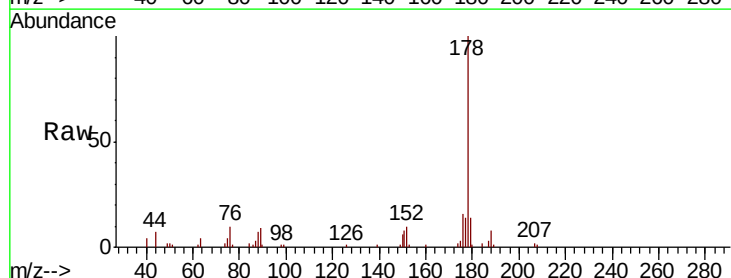
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71
Phenanthrene
Concen: 1.129 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.2	16.1	24.1
179	14.0	13.0	19.4

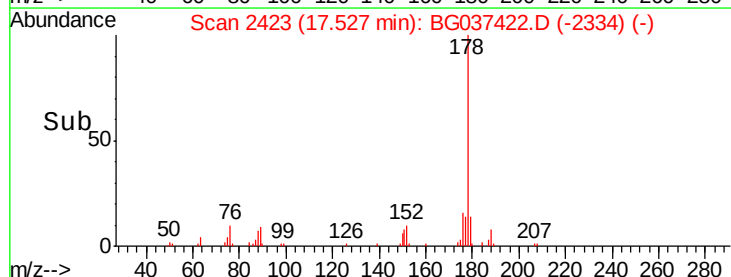
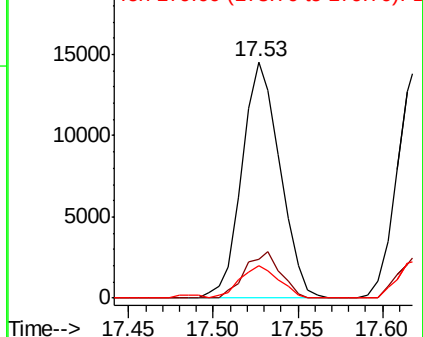


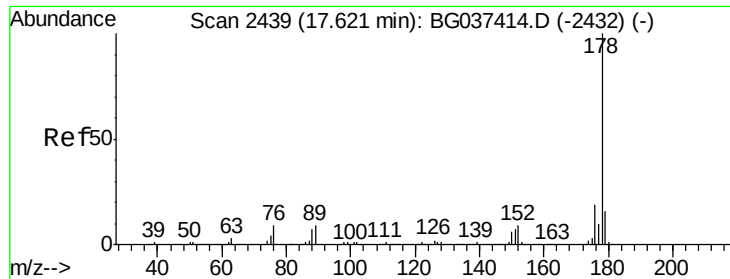
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 1.063 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

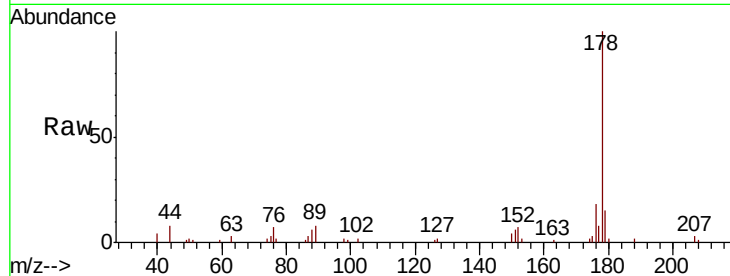
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	178	Resp:	21046
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.0	22.4
179	15.2	12.8	19.2

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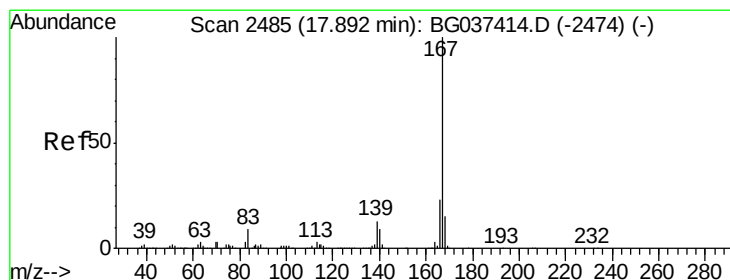
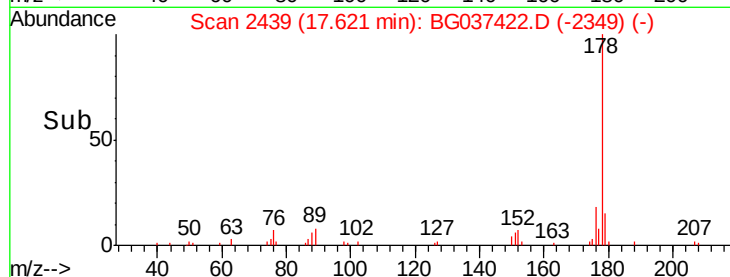
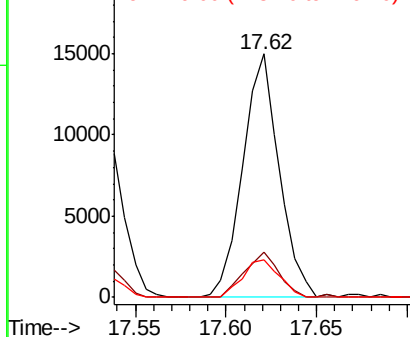


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.843 ng

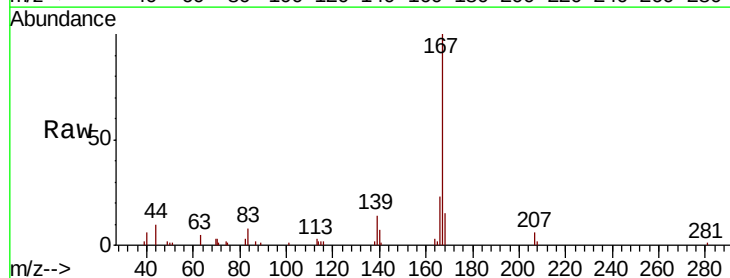
RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	167	Resp:	16691
Ion Ratio	Lower	Upper	
167	100		
166	22.9	18.3	27.5
139	13.8	10.5	15.7

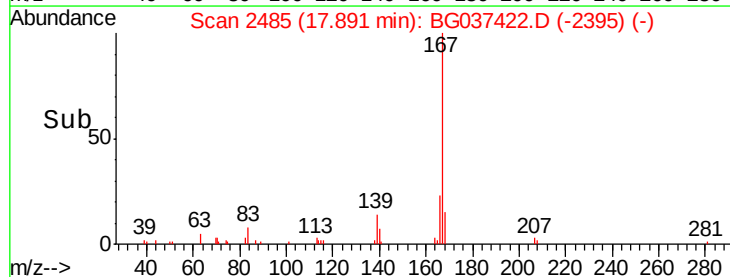
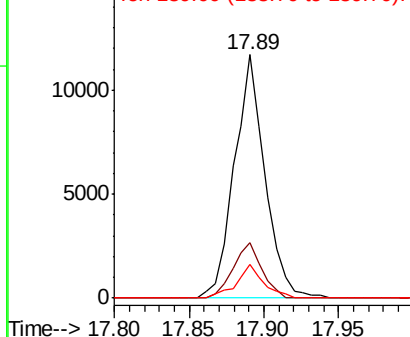


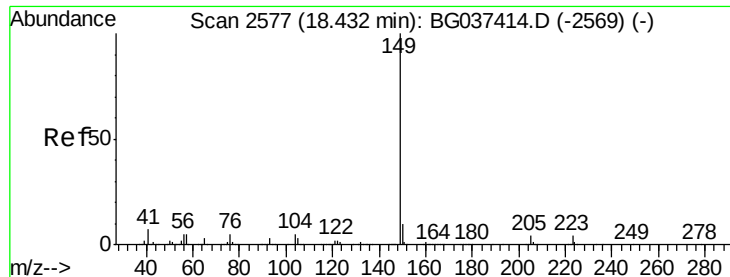
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.848 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

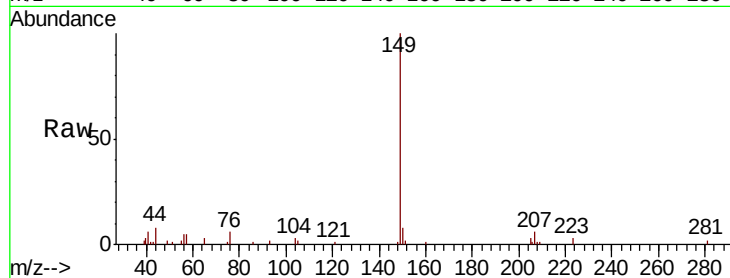
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

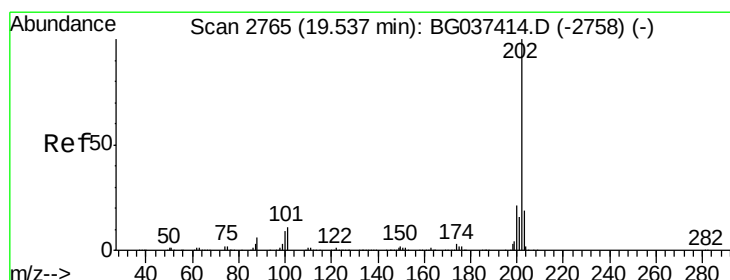
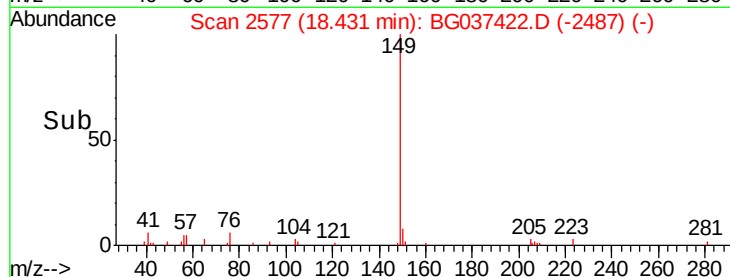
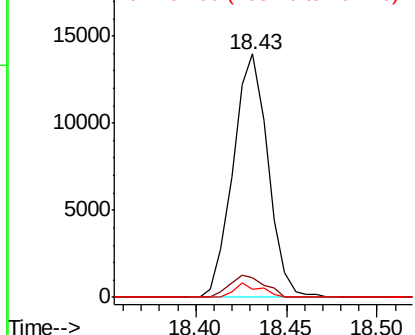
Tot Ion:	149	Resp:	18692
Ion Ratio	Lower	Upper	
149	100		
150	7.8	8.2	12.2#
104	3.4	4.0	6.0#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 1.051 ng

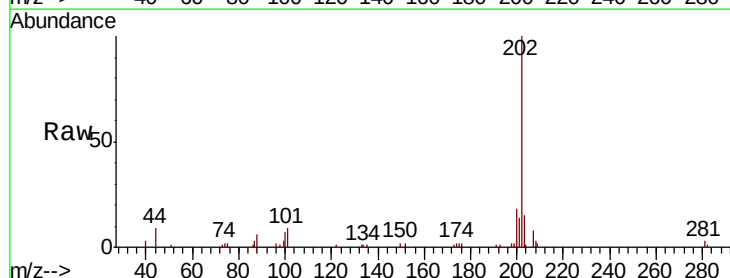
RT: 19.54 min Scan# 2765

Delta R.T. -0.00 min

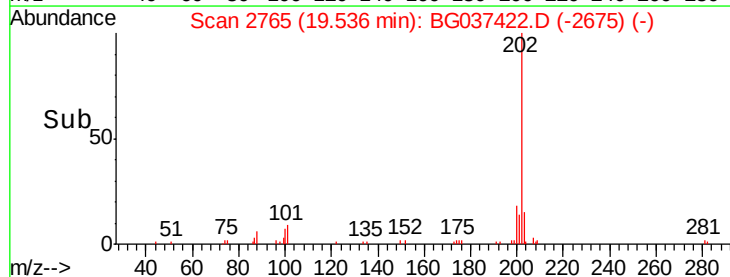
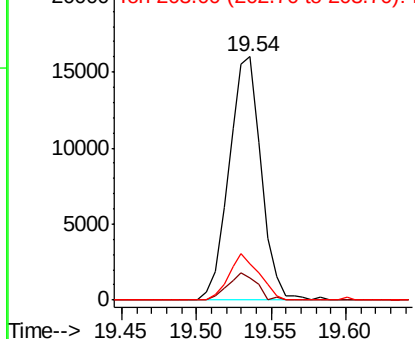
Lab File: BG037422.D

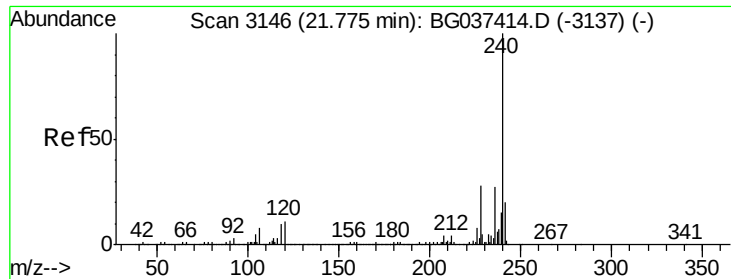
Acq: 18 Oct 2018 16:40

Tgt Ion:	202	Resp:	24058
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	30.7
203	15.0	0.0	38.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





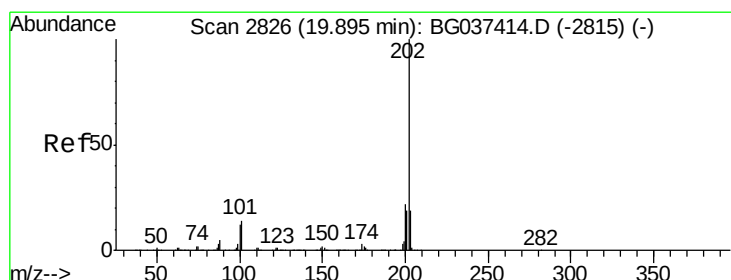
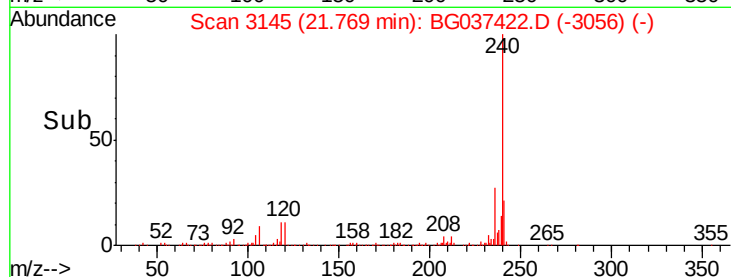
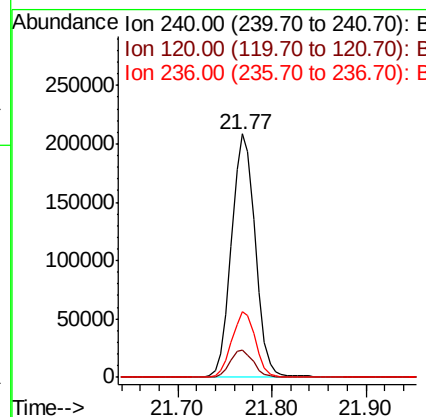
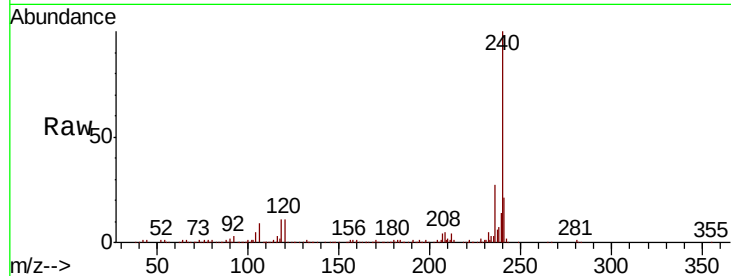
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.1	12.1
236	27.1	21.4	32.0

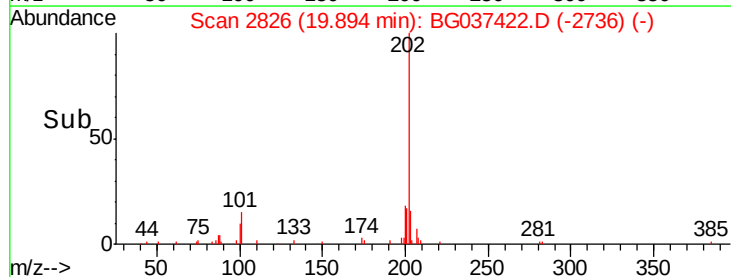
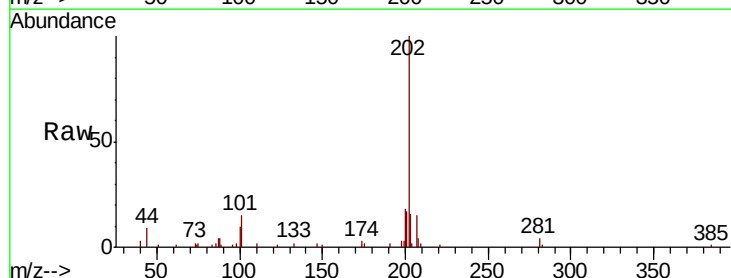
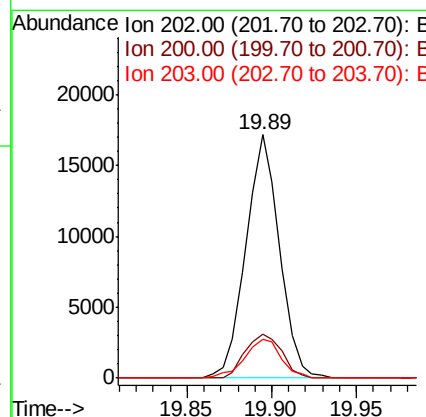
Manual Integrations
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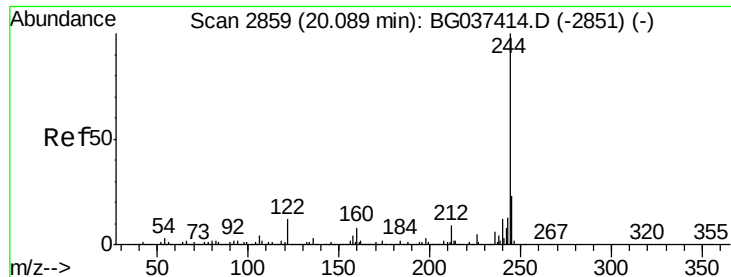
Sohil
10/19/2018 3:57:48 PM



#78
Pyrene
Concen: 0.991 ng
RT: 19.89 min Scan# 2826
Delta R.T. -0.00 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.0	17.8	26.6
203	16.2	15.2	22.8





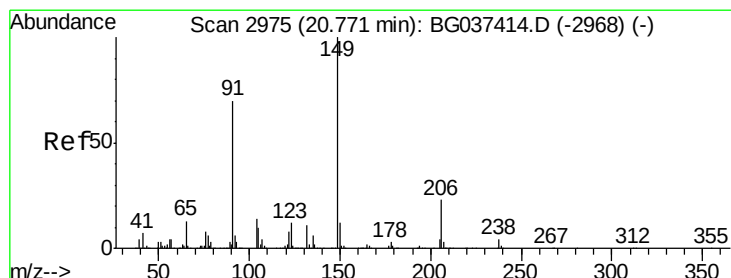
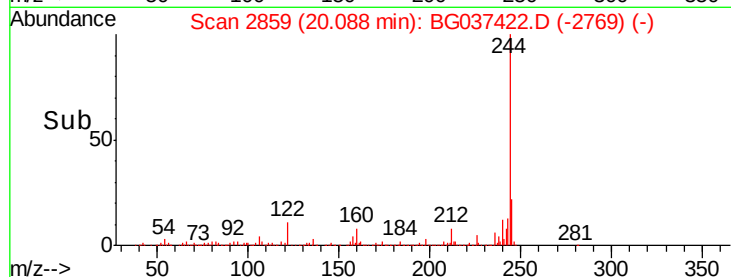
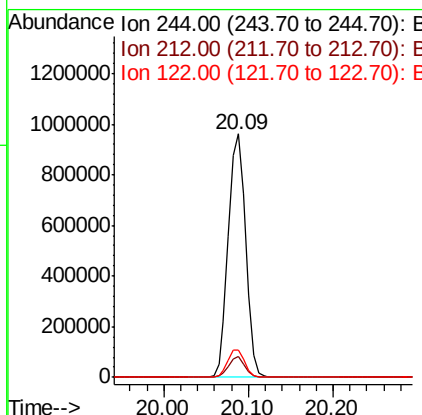
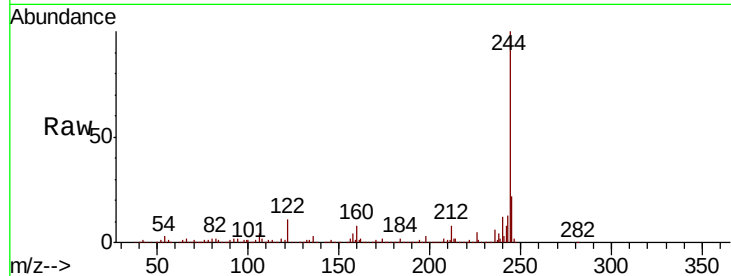
#79
 Terphenyl-d14
 Concen: 79.297 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.0	9.0	13.4

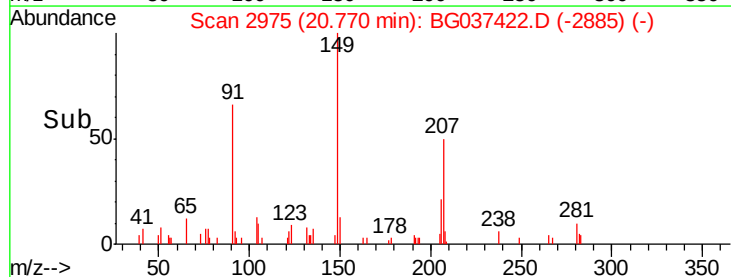
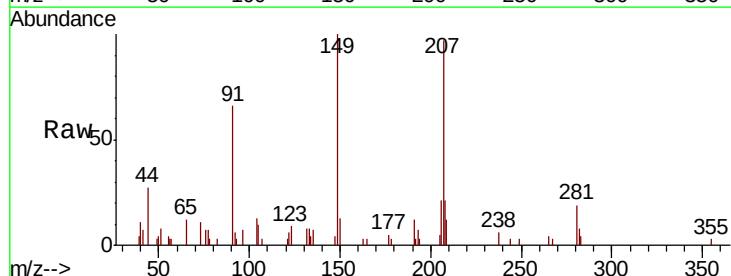
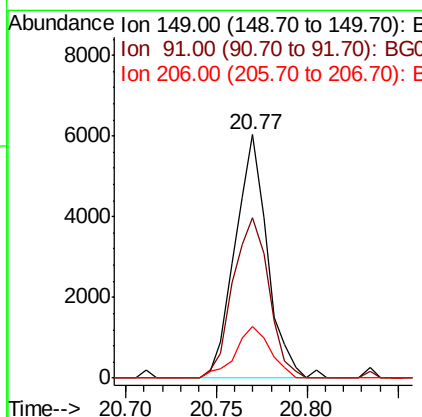
Manual Integrations
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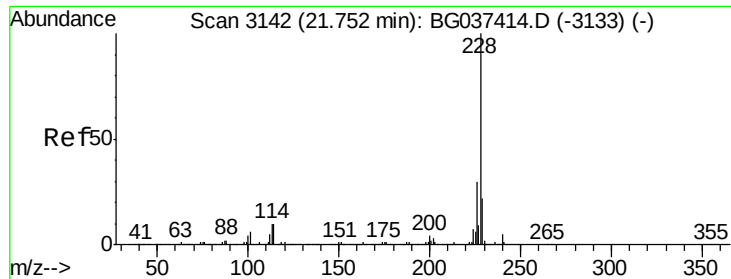
Sohil
 10/19/2018 3:57:48 PM



#80
 Butylbenzylphthalate
 Concen: 0.761 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.8	57.0	85.4
206	21.1	17.8	26.6





#81

Benzo(a)anthracene

Concen: 1.089 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

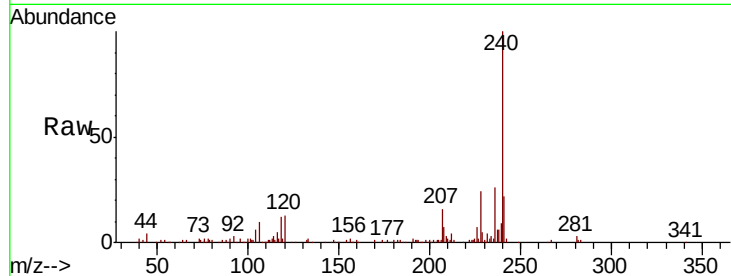
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	228	Resp:	23635
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.6	33.8
229	21.0	16.3	24.5

Manual Integrations
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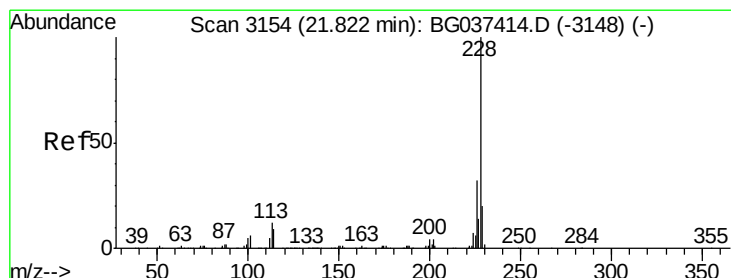
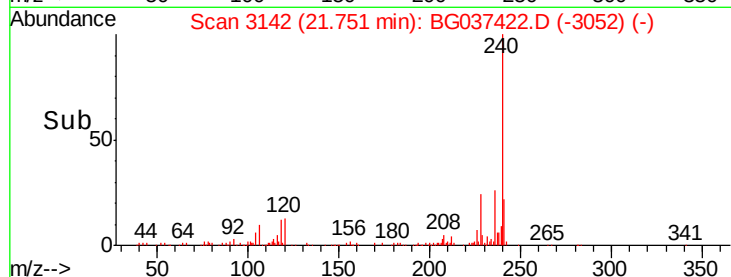
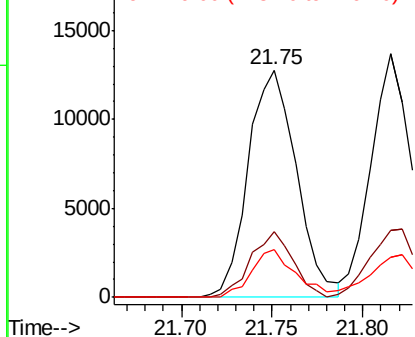


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 1.051 ng

RT: 21.82 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

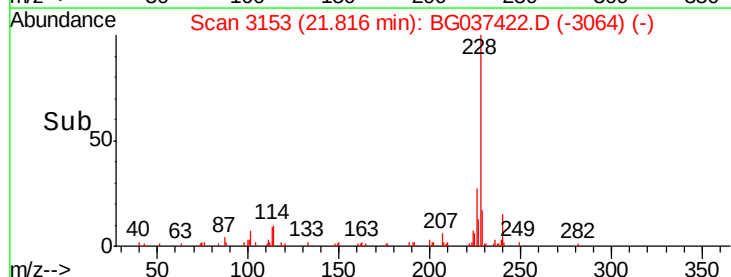
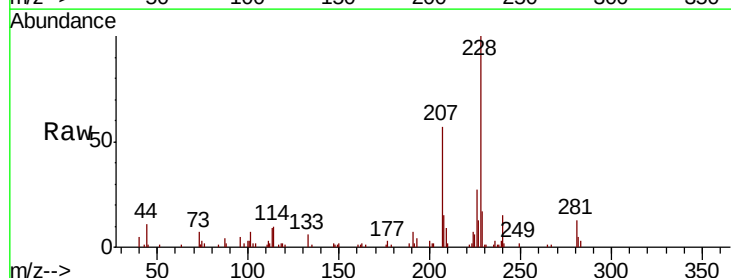
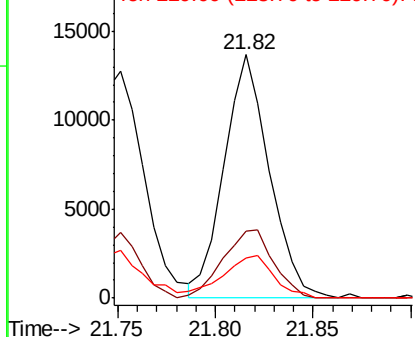
Tgt Ion:	228	Resp:	21921
Ion Ratio	Lower	Upper	
228	100		
226	27.3	25.7	38.5
229	16.6	16.5	24.7

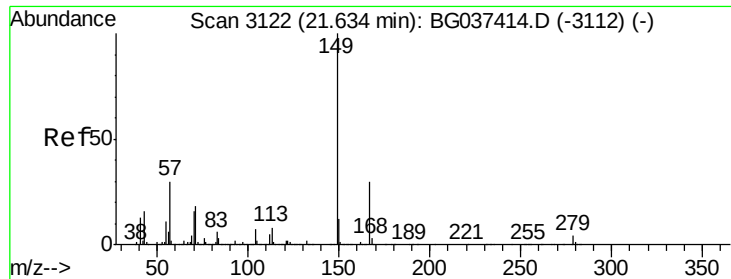
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.740 ng

RT: 21.63 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Instrument :

BNA_G

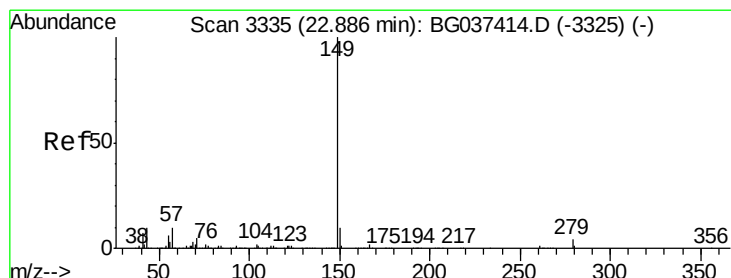
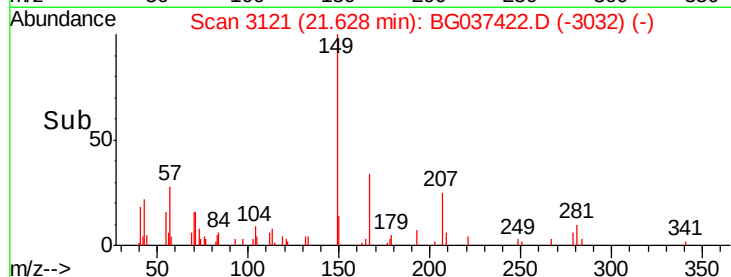
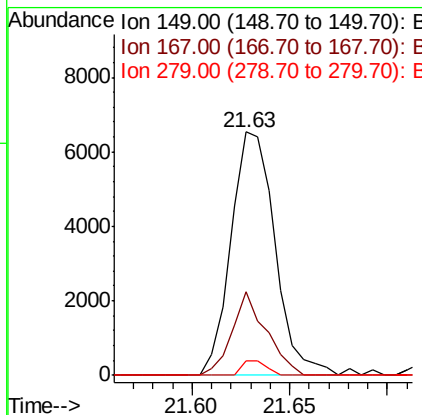
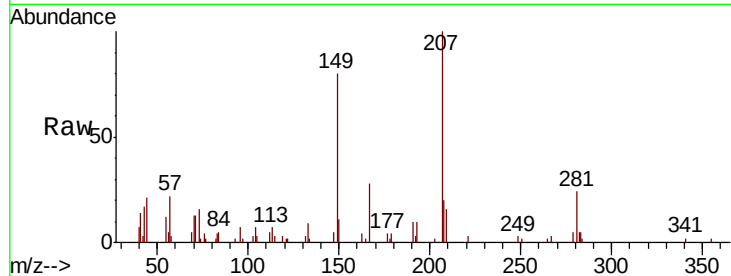
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:	149	Resp:	10186
Ion Ratio	Lower	Upper	
149	100		
167	34.5	23.0	34.4#
279	5.8	3.6	5.4#

Manual Integrations
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#85

Di-n-octyl phthalate

Concen: 0.696 ng

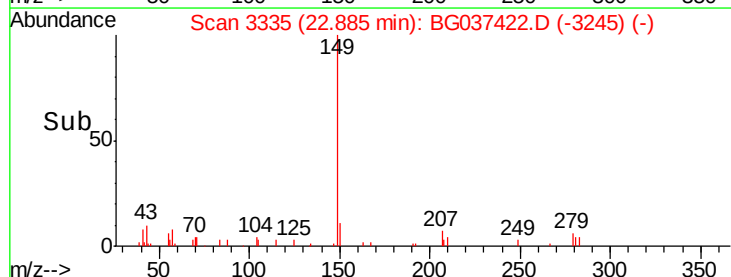
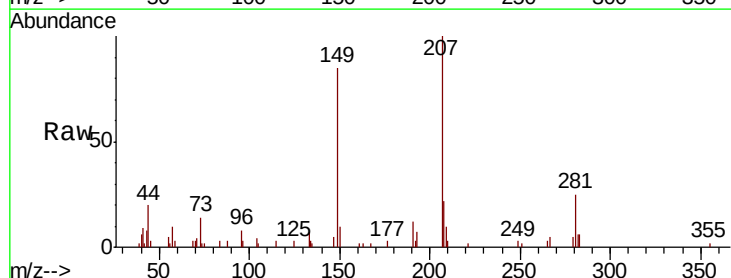
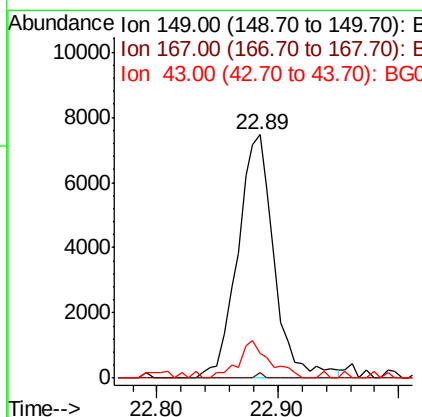
RT: 22.89 min Scan# 3335

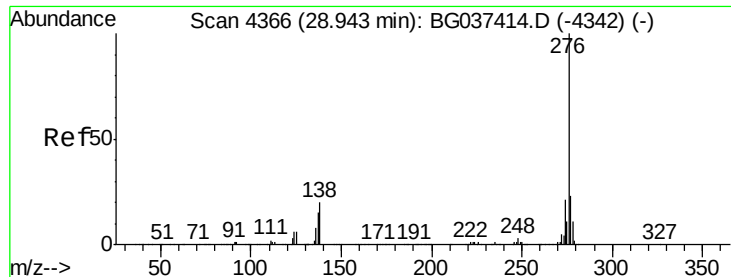
Delta R.T. -0.00 min

Lab File: BG037422.D

Acq: 18 Oct 2018 16:40

Tgt Ion:	149	Resp:	15624
Ion Ratio	Lower	Upper	
149	100		
167	0.4	1.3	1.9#
43	13.2	8.7	13.1#





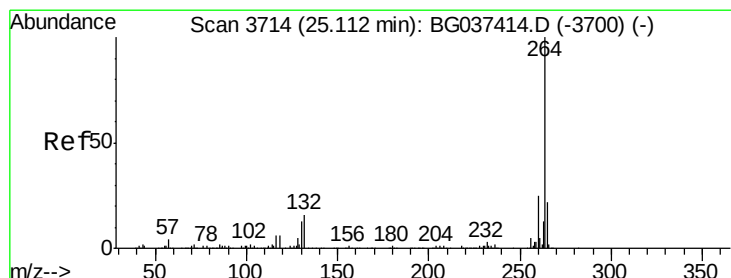
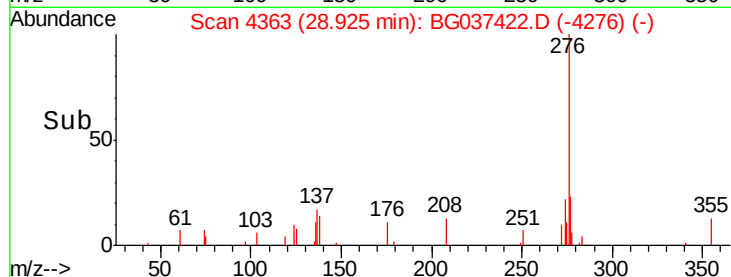
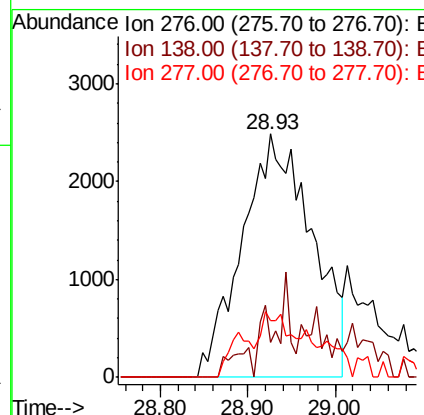
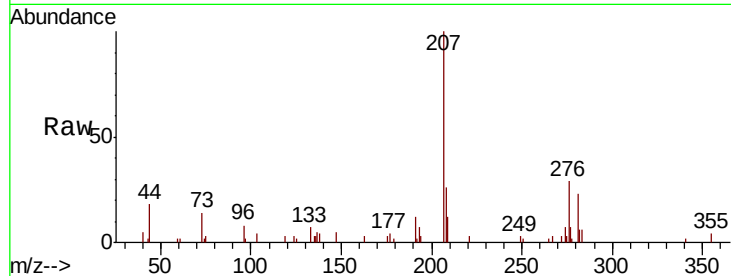
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.611 ng
RT: 28.93 min Scan# 4363
Delta R.T. -0.02 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.3	12.0	18.0#
277	6.1	20.6	30.8#

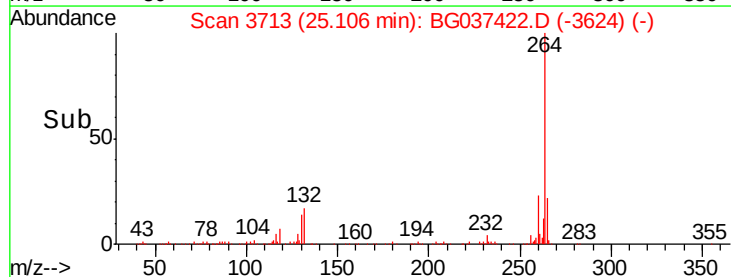
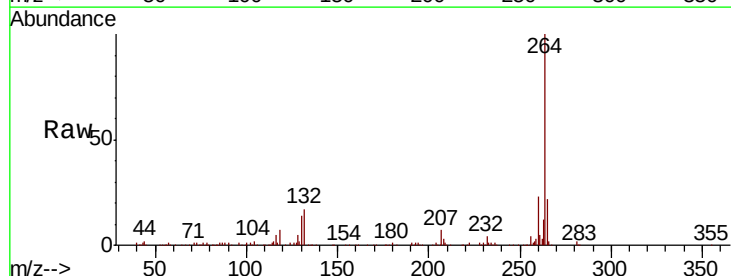
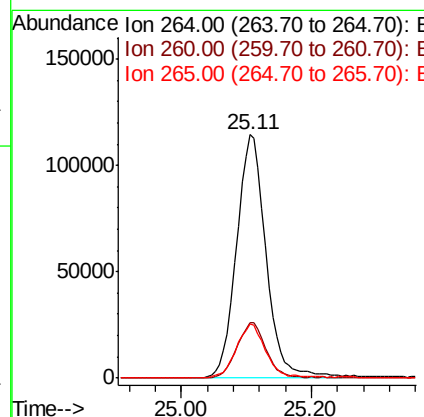
Manual Integrations
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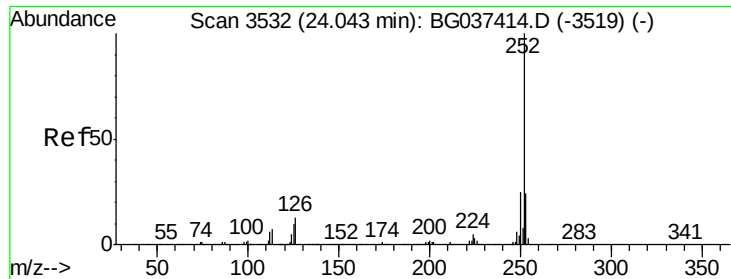
Sohil
10/19/2018 3:57:48 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	22.2	17.9	26.9





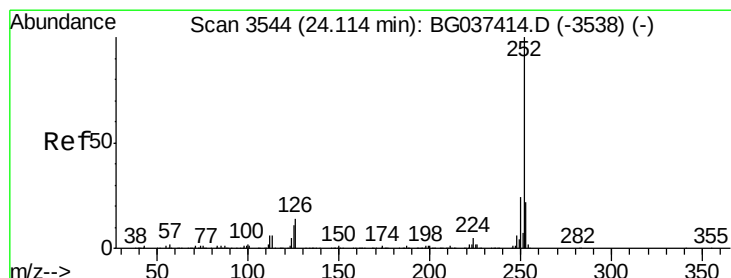
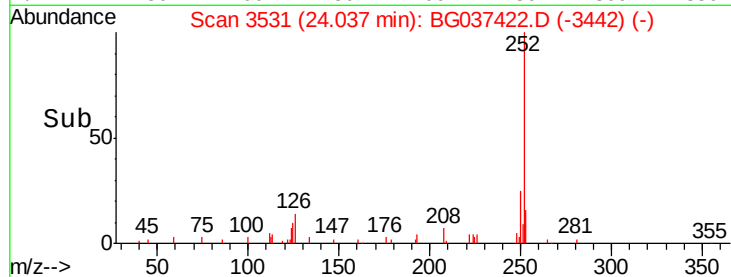
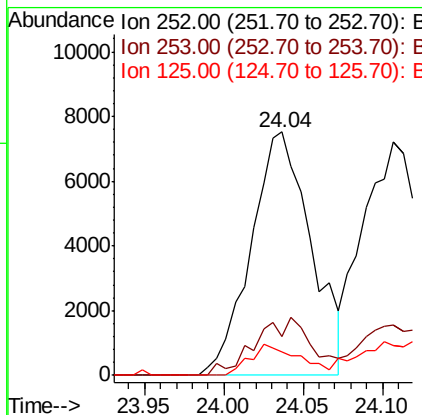
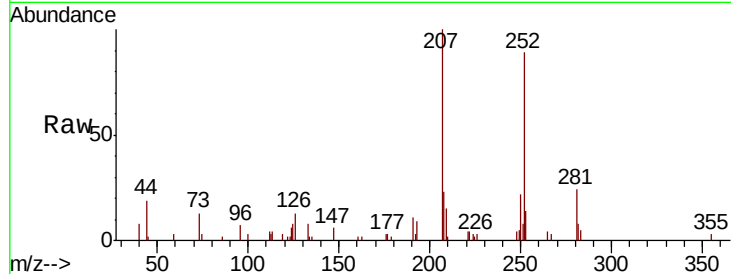
#88
Benzo(b)fluoranthene
Concen: 1.001 ng
RT: 24.04 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	16.0	18.2	27.2#
125	9.6	7.8	11.6

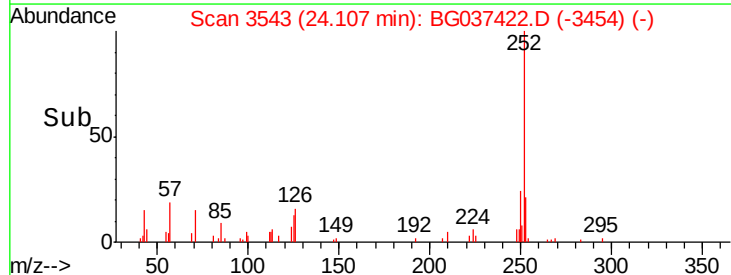
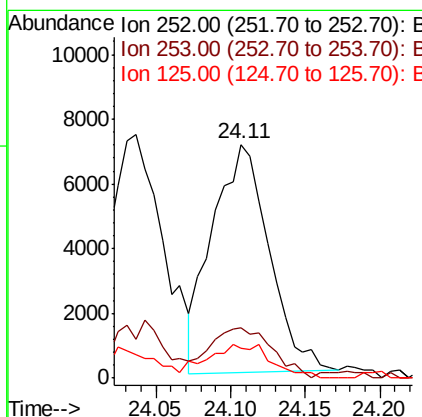
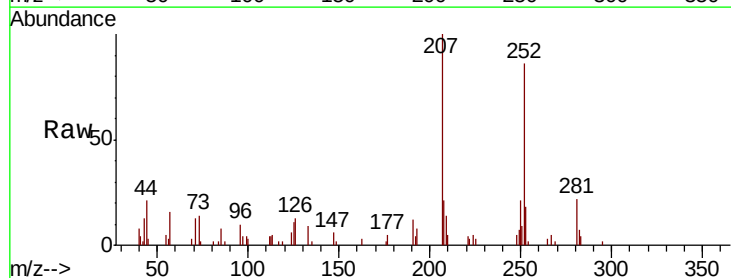
Manual Integrations
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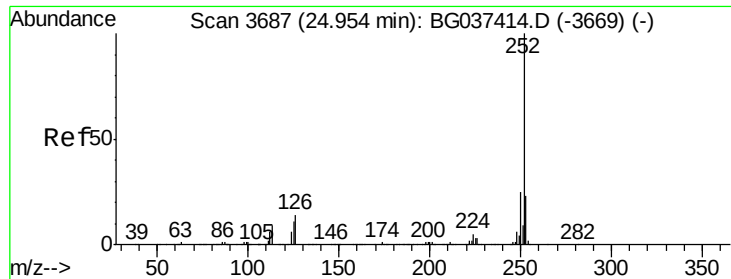
Sohil
10/19/2018 3:57:48 PM



#89
Benzo(k)fluoranthene
Concen: 0.966 ng
RT: 24.11 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	12.7	7.4	11.0#





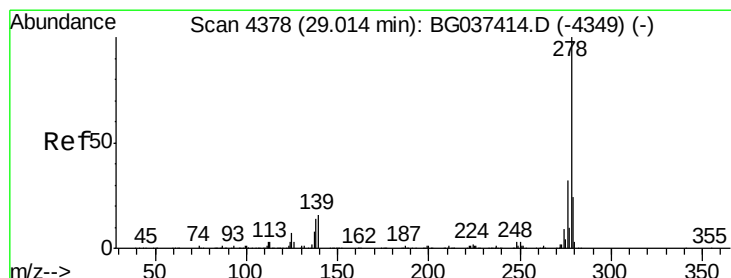
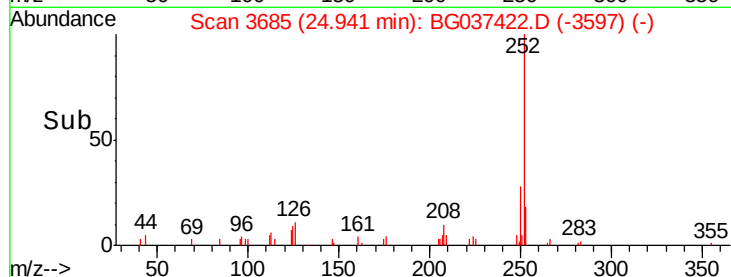
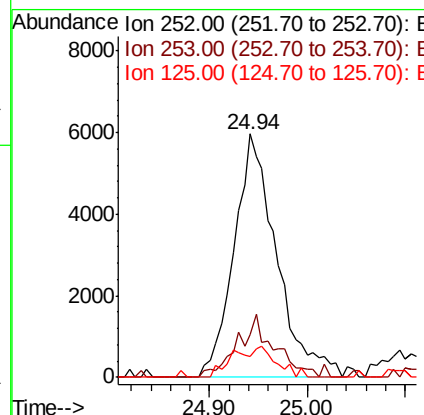
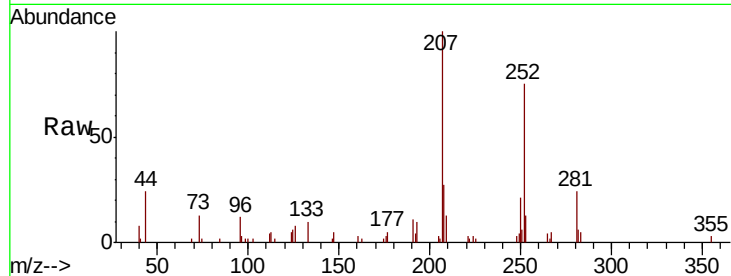
#90
Benzo(a)pyrene
Concen: 0.966 ng
RT: 24.94 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	17.7	17.4	26.2
125	8.7	9.0	13.6#

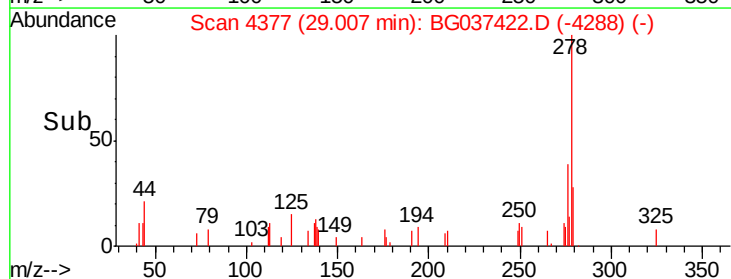
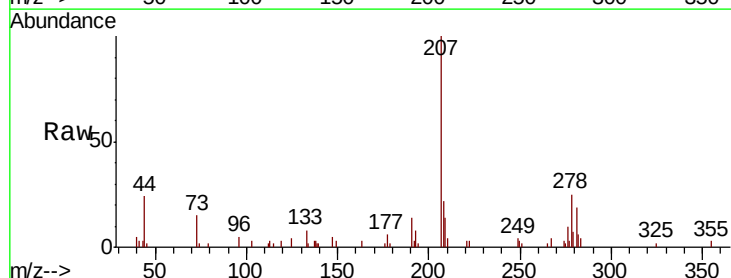
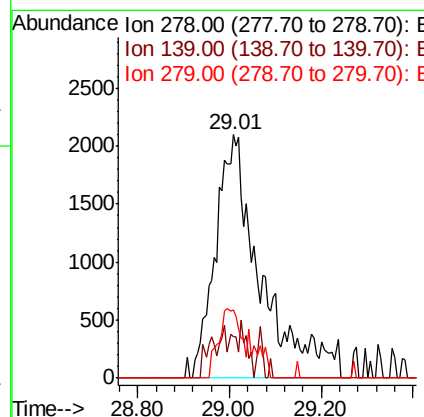
Manual Integrations
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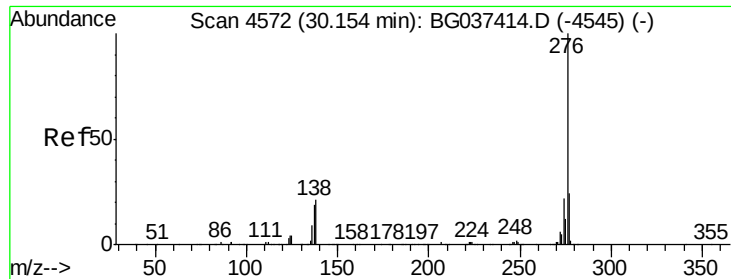
Sohil
10/19/2018 3:57:48 PM



#91
Dibenzo(a,h)anthracene
Concen: 0.825 ng m
RT: 29.01 min Scan# 4377
Delta R.T. -0.01 min
Lab File: BG037422.D
Acq: 18 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.3	11.5	17.3#
279	28.0	18.6	27.8#





#92
 Benzo(a,h,i)perylene
 Concen: 0.929 ng m
 RT: 30.14 min Scan# 4570
 Delta R.T. -0.01 min
 Lab File: BG037422.D
 Acq: 18 Oct 2018 16:40

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.9	18.9	28.3
138	28.1	17.2	25.8

Manual Integrations
 APPROVED

Sohil
 10/19/2018 3:57:48 PM

