

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032541.D
 Acq On : 5 Feb 2018 19:40
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 1PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
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Sohil
 2/6/2018 2:35:06 PM

Quant Time: Feb 06 10:15:34 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	15503	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	61543	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	42264	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	112678	20.00	ng	0.00
75) Chrysene-d12	22.40	240	142338	20.00	ng	-0.02
86) Perylene-d12	26.07	264	162384	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	115486	149.62	ng	0.00
7) Phenol-d6	7.83	99	138945	134.90	ng	0.00
23) Nitrobenzene-d5	9.91	82	84897	86.16	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	127071	157.95	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	315449	88.71	ng	-0.02
78) Terphenyl-d14	20.61	244	659123	99.19	ng	-0.02
Target Compounds						
32) Benzoic acid	10.71	122	315	7.717	ng	# 1
55) 4-Nitrophenol	15.73	139	1341	2.507	ng	# 1
76) Benzidine	20.61	184	8609	3.080	ng	# 89

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

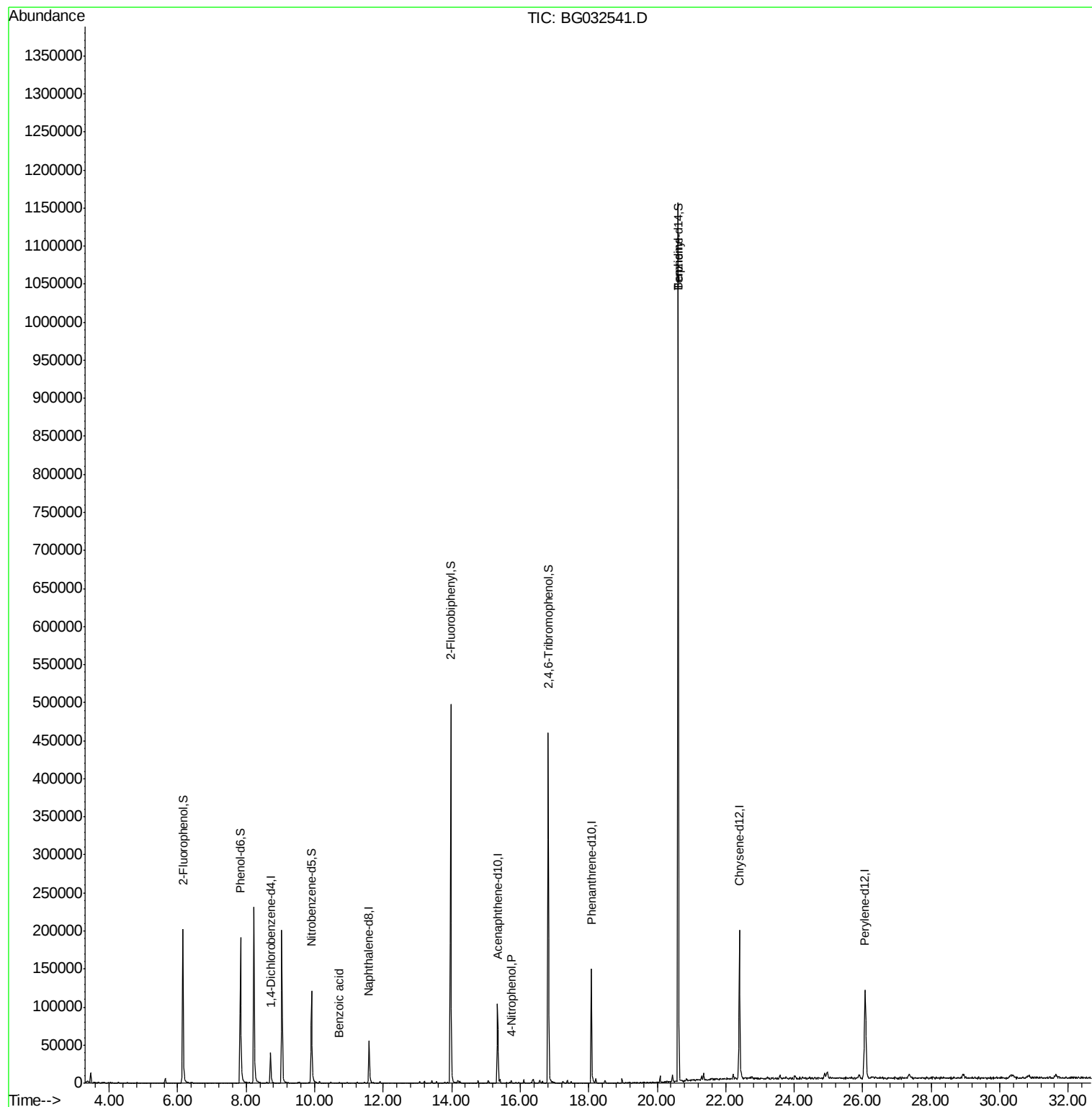
Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
Data File : BG032541.D
Acq On : 5 Feb 2018 19:40
Operator : SJ/JU
Sample : J1161-03
Misc : MDL 1PPM
ALS Vial : 8 Sample Multiplier: 1

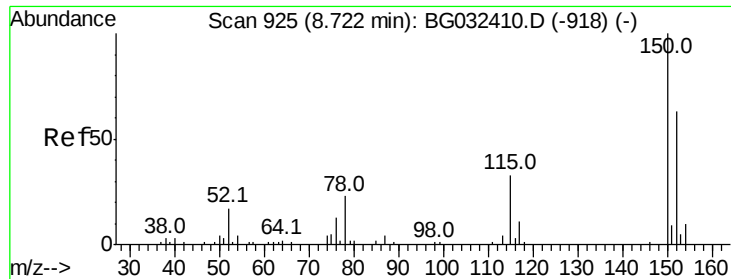
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

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Quant Time: Feb 06 10:15:34 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
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Response via : Initial Calibration





#1

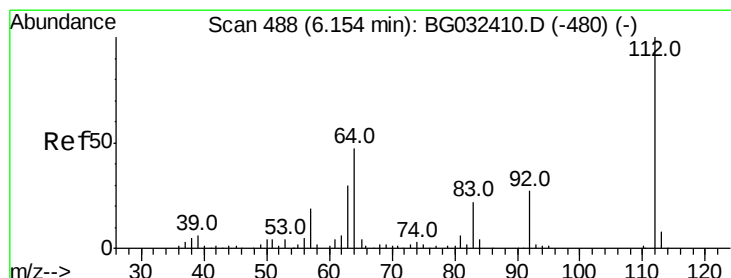
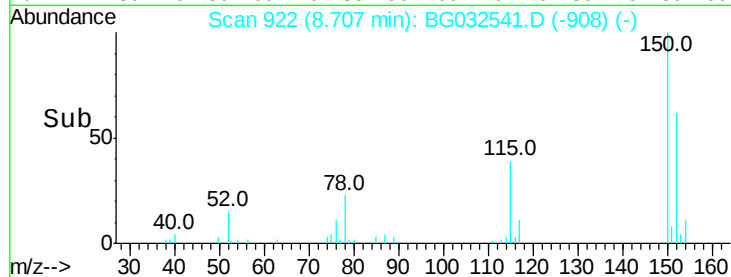
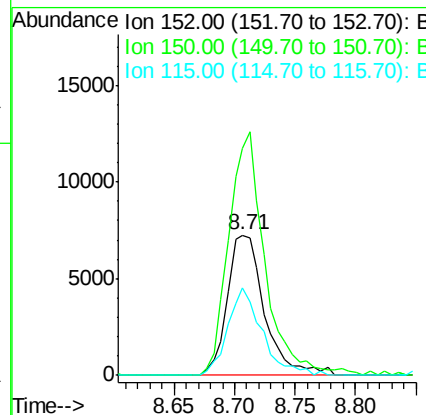
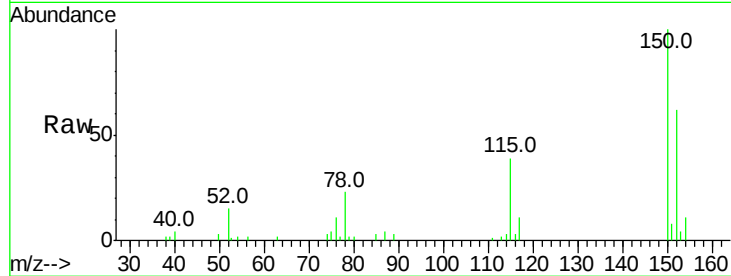
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	126.6	189.8
115	62.7	53.0	79.4

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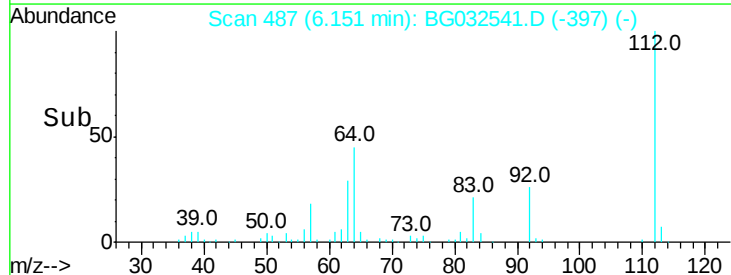
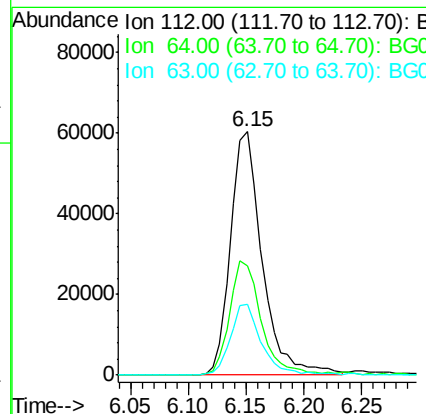
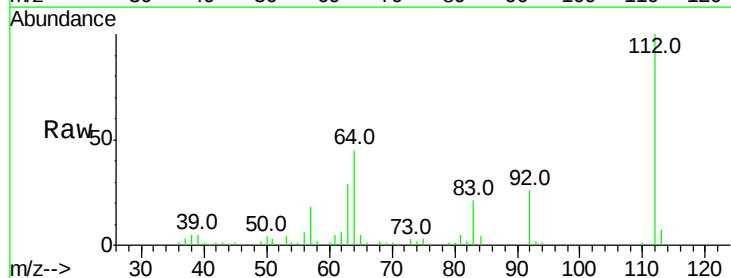
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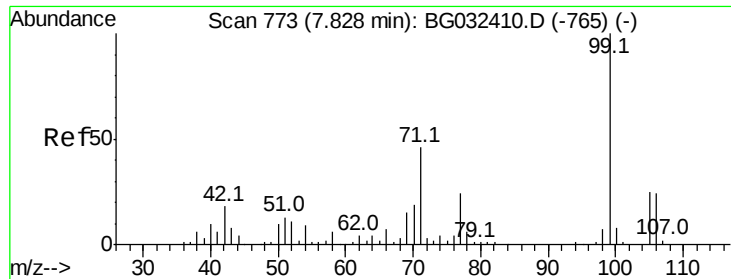


#5

2-Fluorophenol
Concen: 149.623 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	56.3	84.5#
63	29.1	30.1	45.1#





#7

Phenol-d6

Concen: 134.903 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

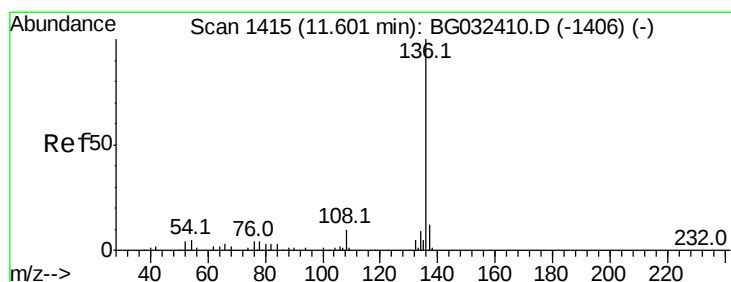
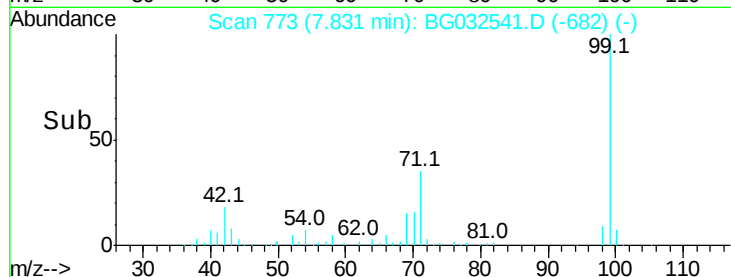
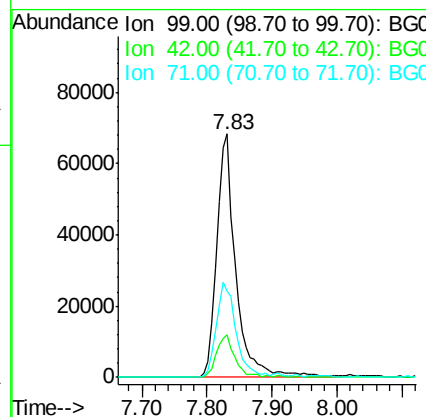
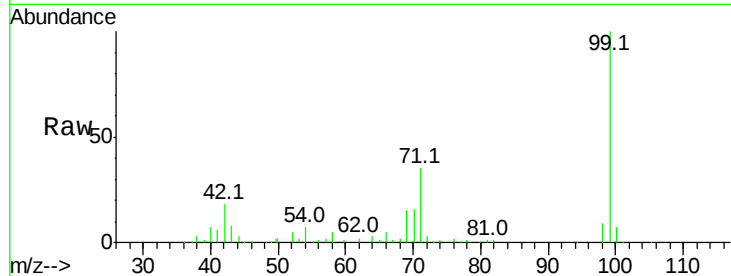
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		138945		
42	17.5	14.1	21.1		
71	35.5	26.1	39.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

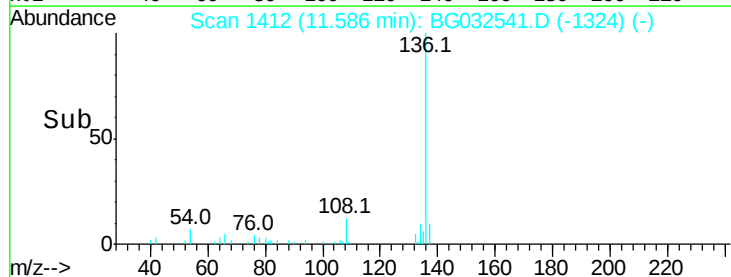
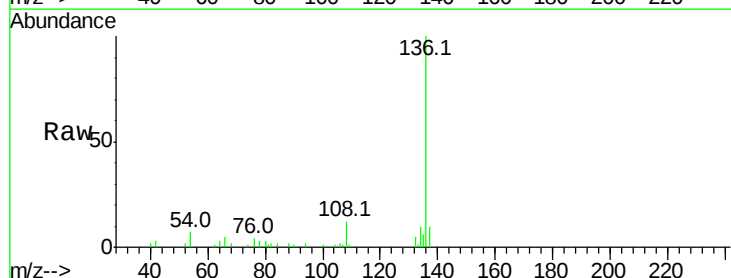
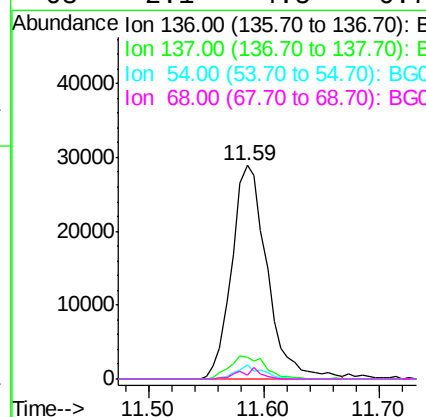
RT: 11.59 min Scan# 1412

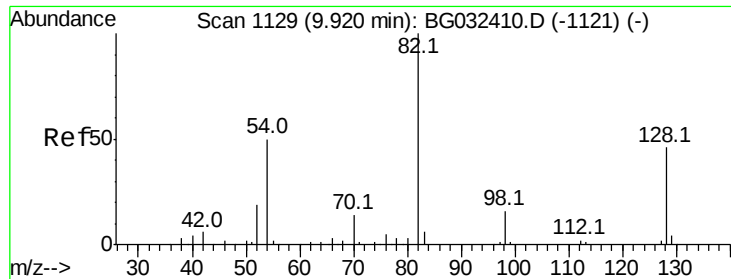
Delta R.T. -0.01 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		61543		
137	10.2	9.2	13.8		
54	6.6	10.3	15.5#		
68	2.1	4.5	6.7#		





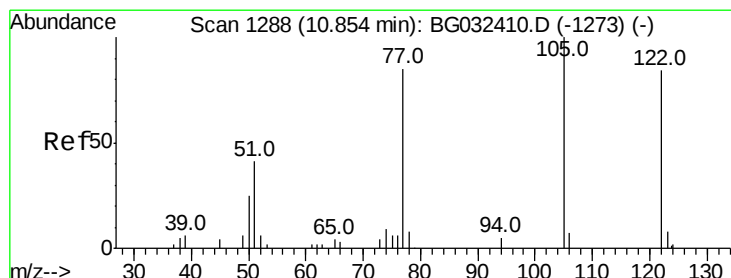
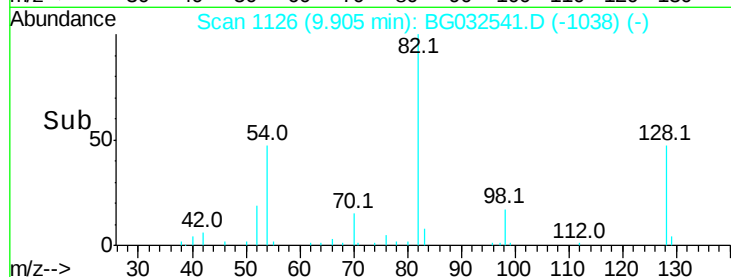
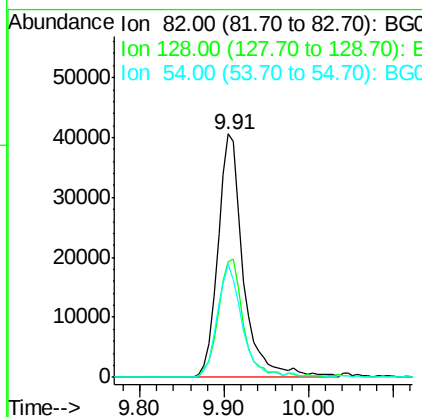
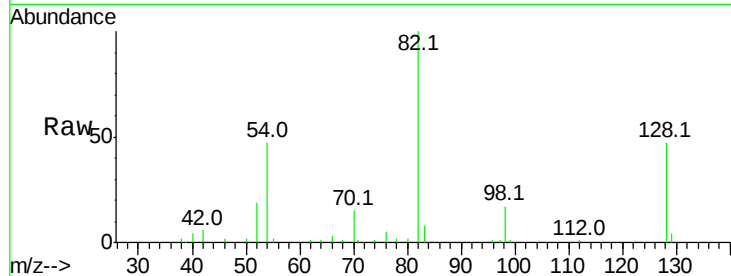
#23
Nitrobenzene-d5
Concen: 86.163 ng
RT: 9.91 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	29.7	44.5#
54	46.5	43.1	64.7

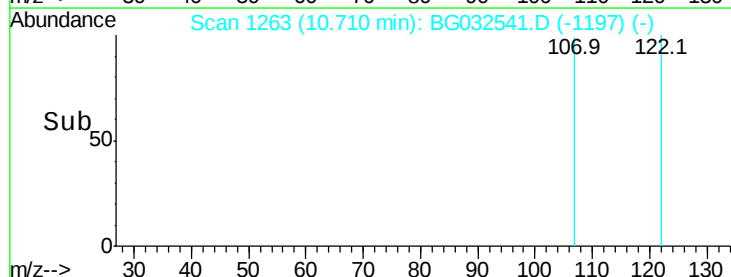
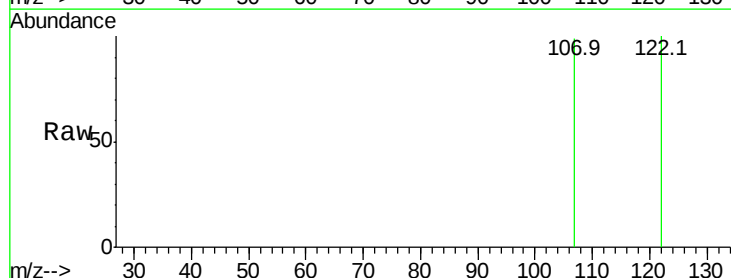
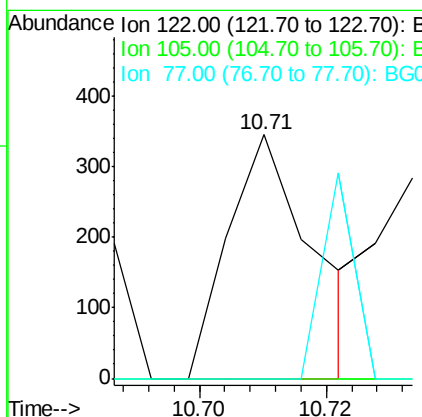
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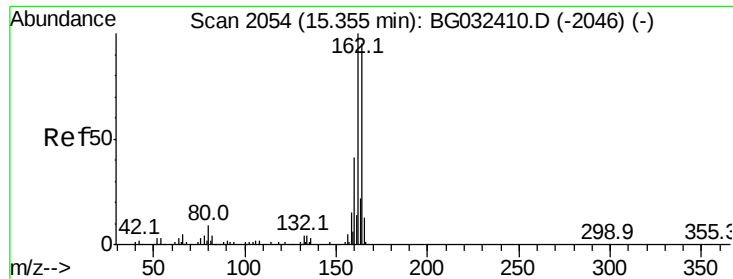
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#32
Benzoic acid
Concen: 7.717 ng
RT: 10.71 min Scan# 1263
Delta R.T. -0.14 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Instrument :

BNA_G

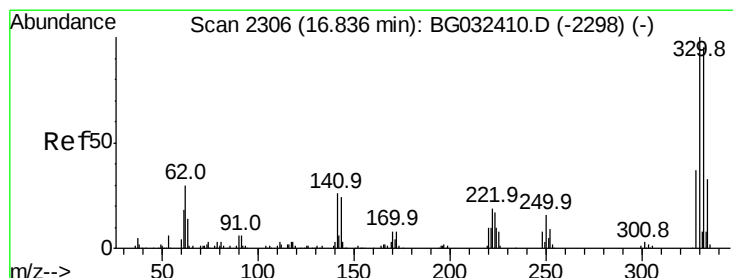
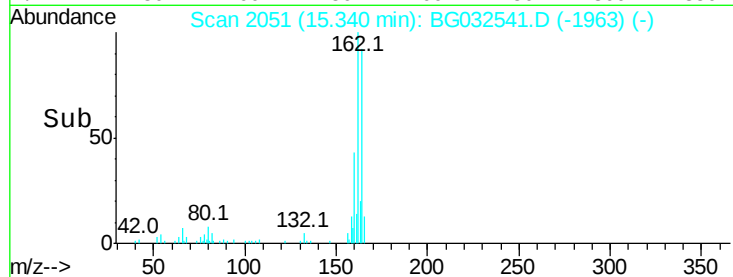
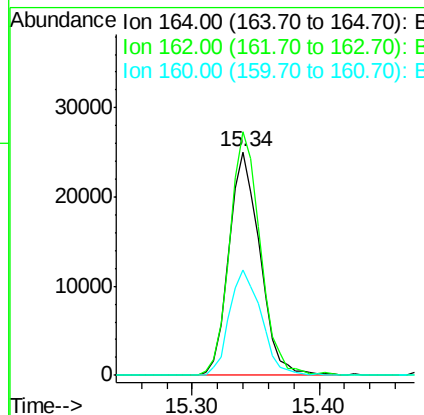
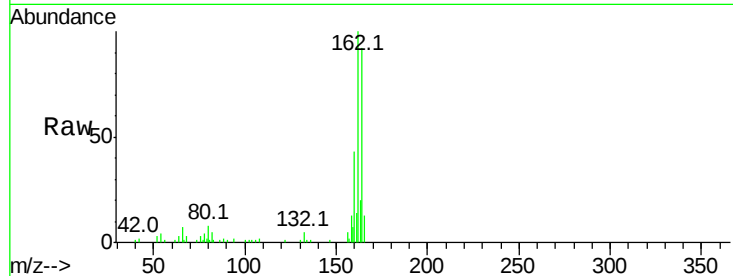
ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
164	100		
162	108.8	78.8	118.2
160	47.1	35.4	53.0

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#41

2,4,6-Tribromophenol

Concen: 157.951 ng

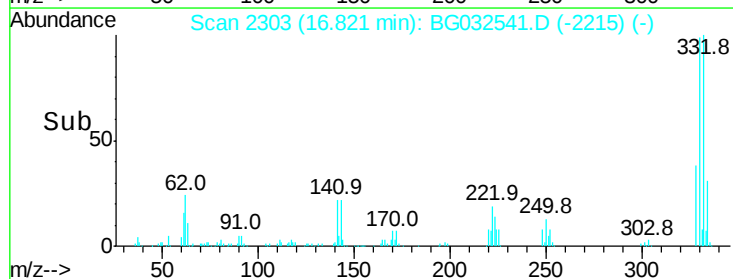
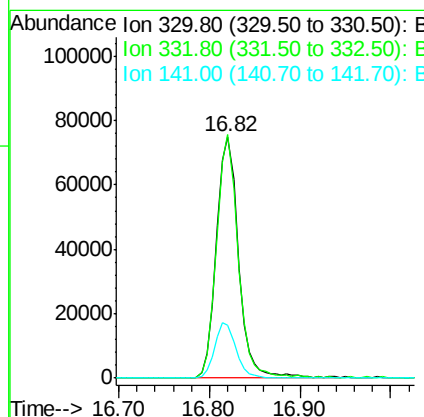
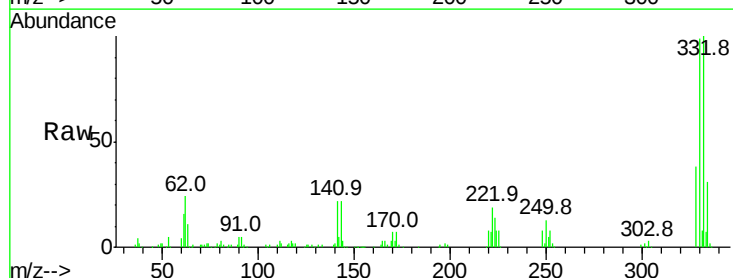
RT: 16.82 min Scan# 2303

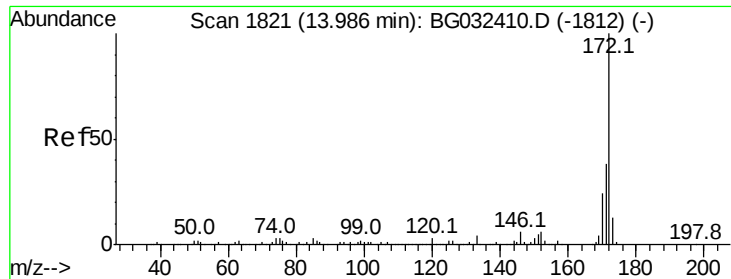
Delta R.T. -0.02 min

Lab File: BG032541.D

Acq: 5 Feb 2018 19:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	22.2	25.2	37.8#





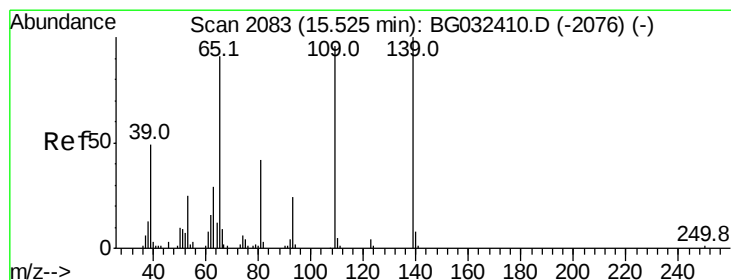
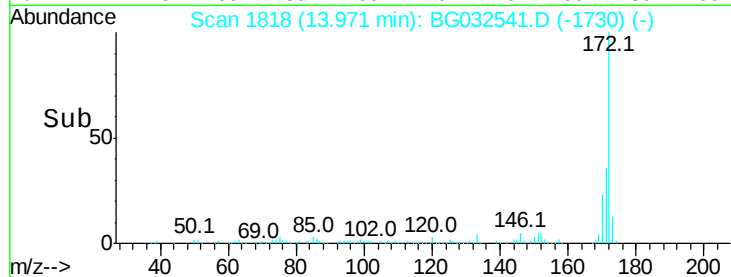
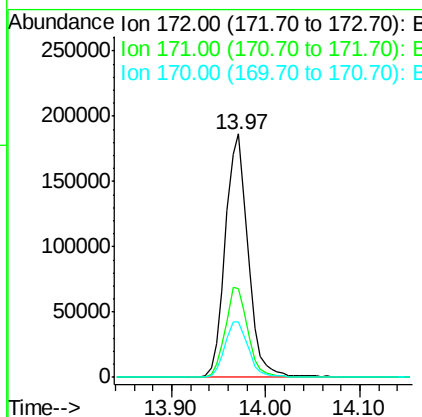
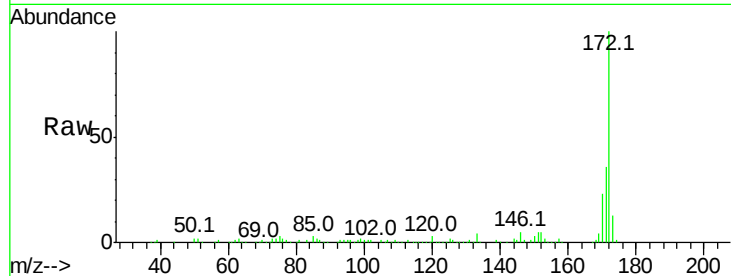
#44
 2-Fluorobiphenyl
 Concen: 88.712 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032541.D
 Acq: 5 Feb 2018 19:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	22.7	19.5	29.3

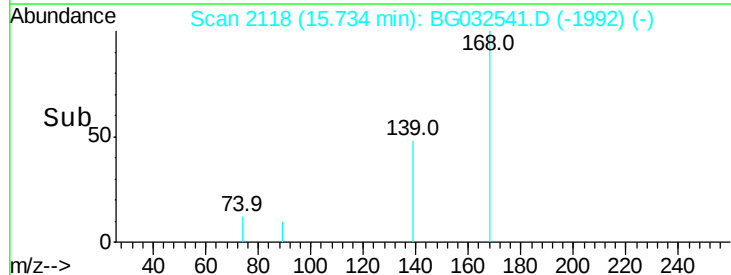
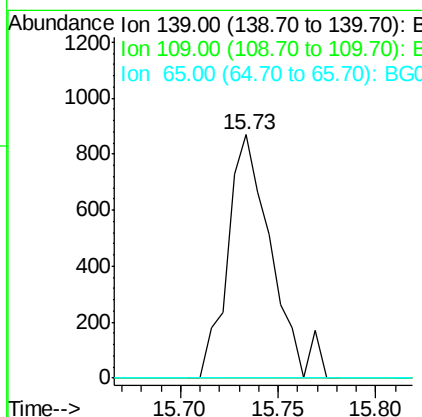
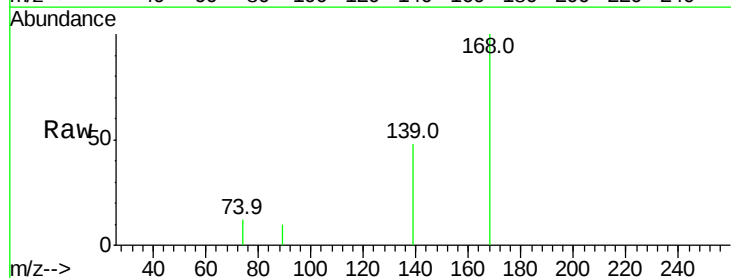
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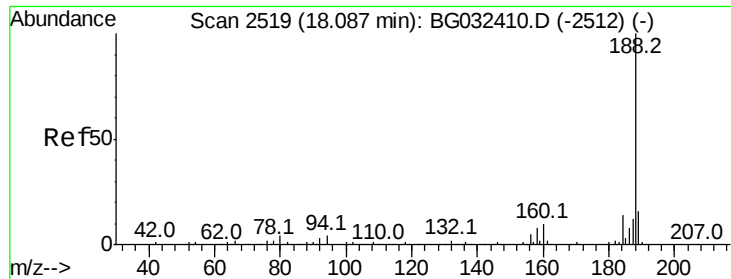
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#55
 4-Nitrophenol
 Concen: 2.507 ng
 RT: 15.73 min Scan# 2118
 Delta R.T. 0.21 min
 Lab File: BG032541.D
 Acq: 5 Feb 2018 19:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#





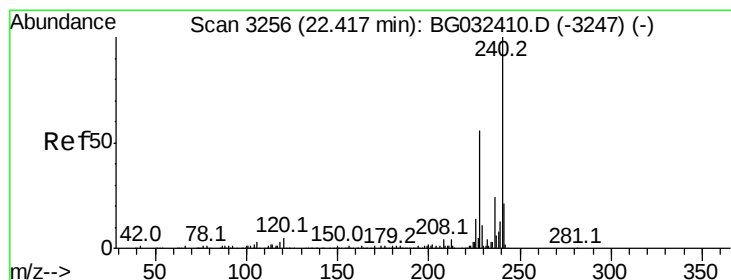
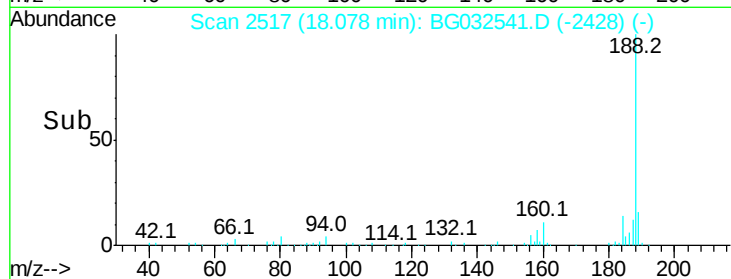
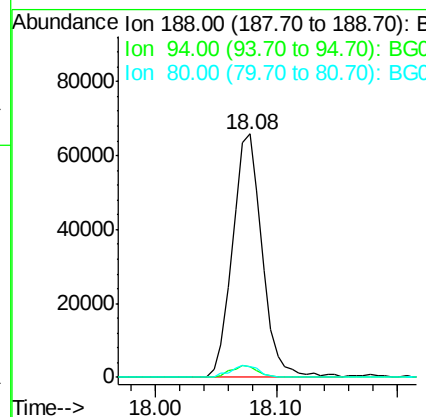
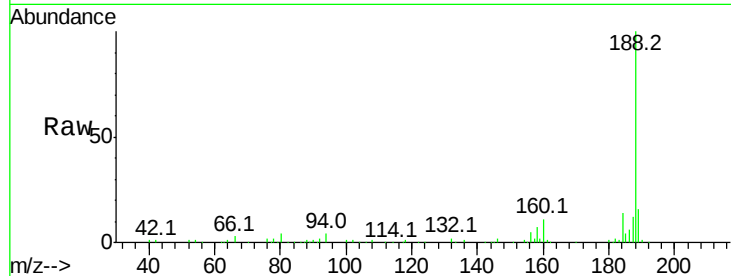
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	4.3	7.7	11.5#

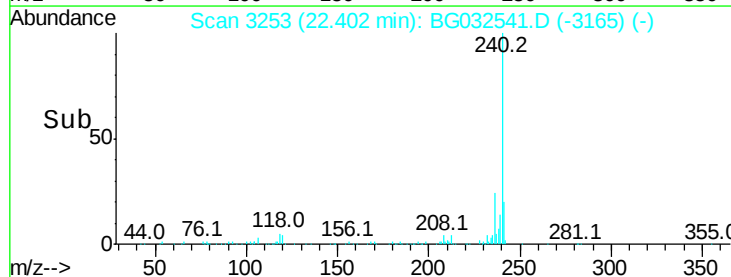
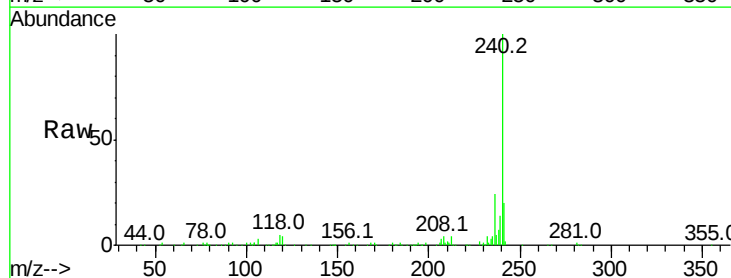
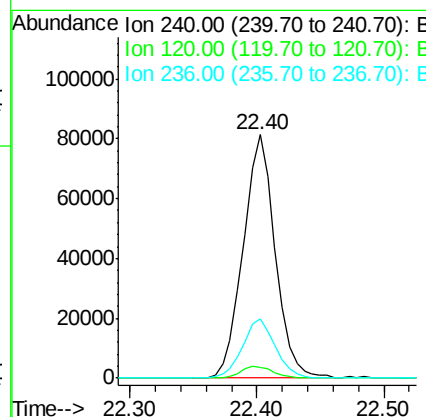
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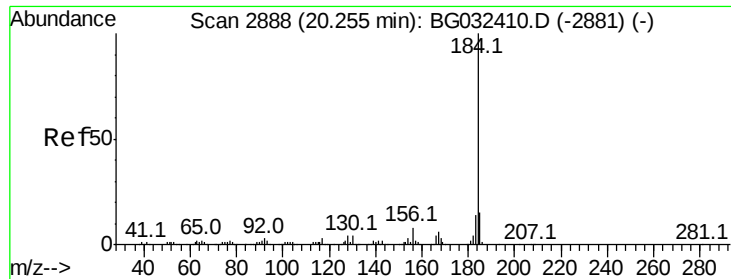
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	4.2	6.8	10.2#
236	24.2	20.9	31.3





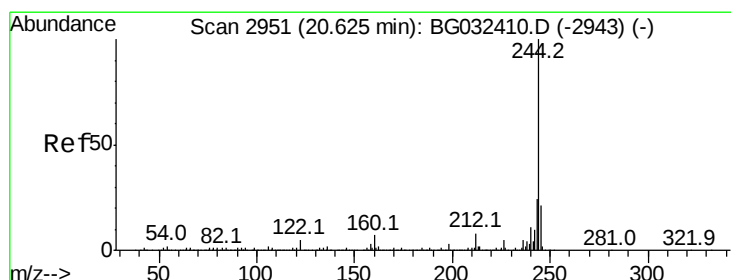
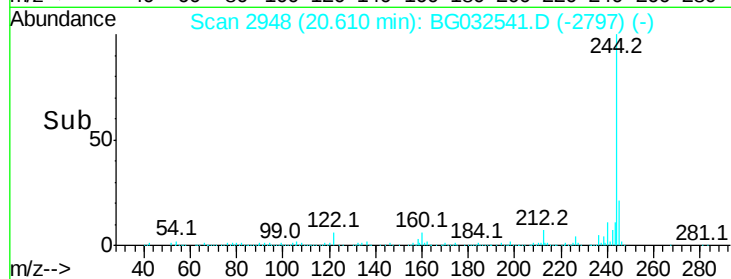
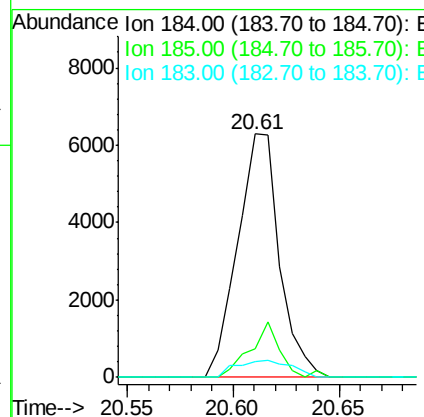
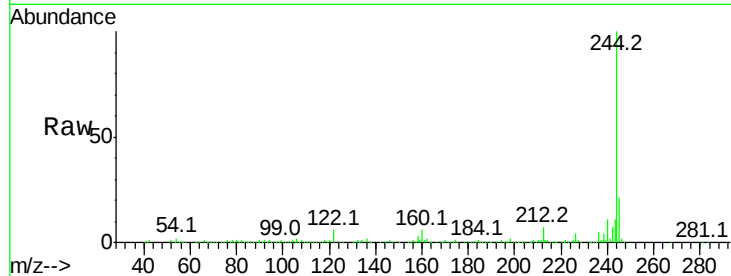
#76
Benzidine
Concen: 3.080 ng
RT: 20.61 min Scan# 2948
Delta R.T. 0.36 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
184	100		
185	11.6	11.1	16.7
183	6.5	10.6	16.0#

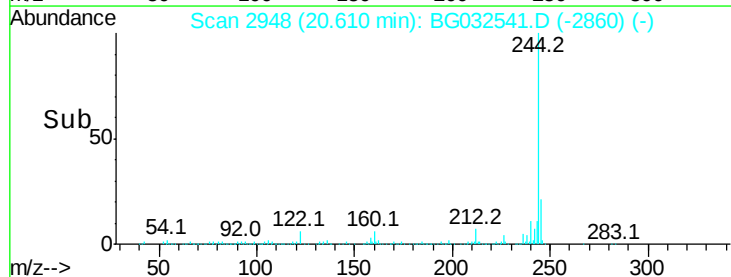
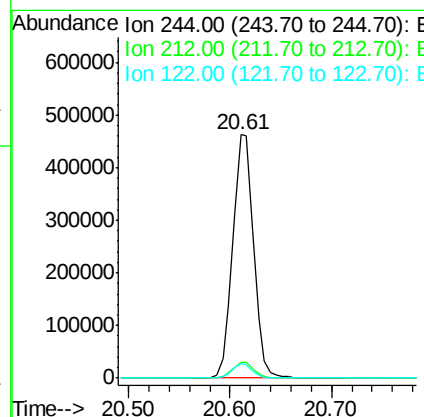
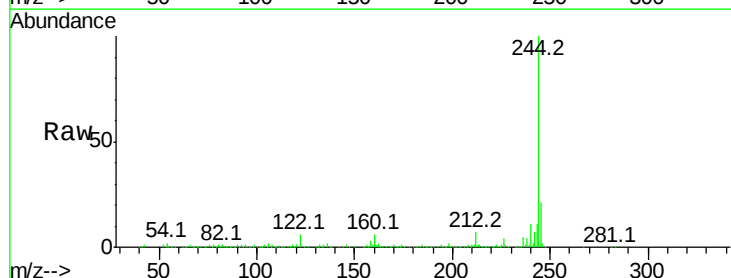
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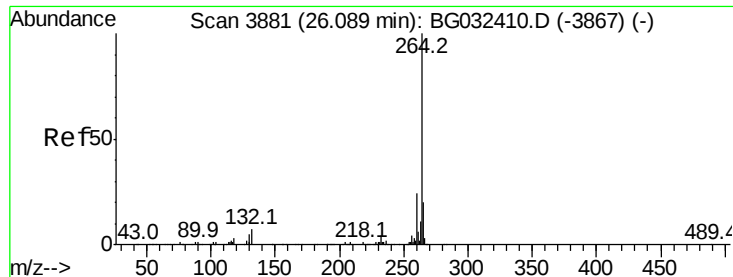
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#78
Terphenyl-d14
Concen: 99.193 ng
RT: 20.61 min Scan# 2948
Delta R.T. -0.02 min
Lab File: BG032541.D
Acq: 5 Feb 2018 19:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	6.0	7.0	10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.07 min Scan# 3877
 Delta R.T. -0.02 min
 Lab File: BG032541.D
 Acq: 5 Feb 2018 19:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion:	264	Resp:	162384
Ion Ratio	Lower	Upper	
264	100		
260	23.2	17.4	26.0
265	21.9	17.7	26.5

Manual Integrations
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