

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062819\
 Data File : BG041531.D
 Acq On : 29 Jun 2019 4:02
 Operator : HP/JU
 Sample : K3532-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TRIANGLE-AREA-SOIL-C

Quant Time: Jun 29 04:47:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

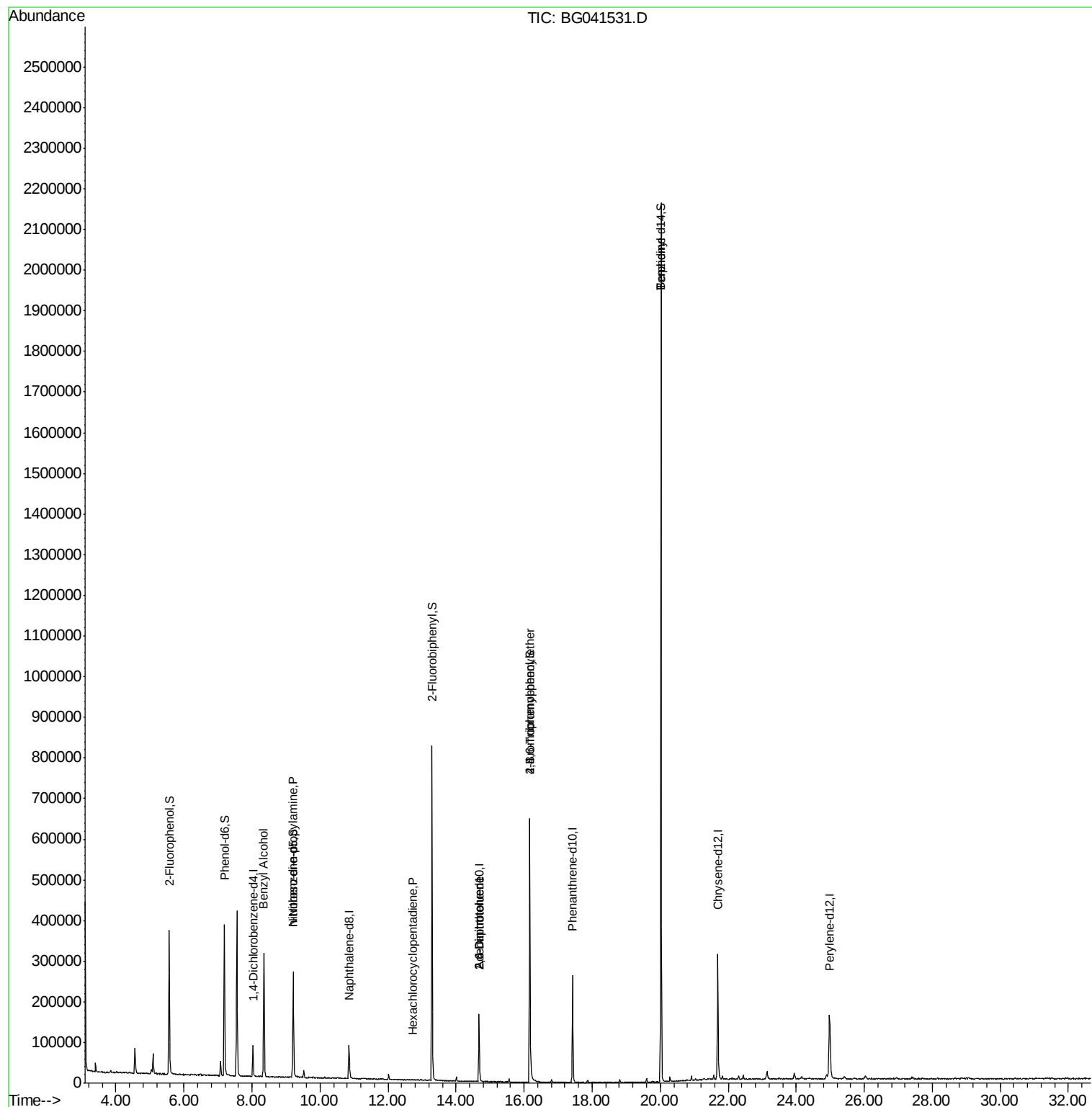
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	21038	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	75714	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	60706	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	180442	20.00	ng	0.00
76) Chrysene-d12	21.70	240	205842	20.00	ng	0.00
87) Perylene-d12	24.98	264	212239	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	144307	122.29	ng	0.00
7) Phenol-d6	7.19	99	200083	120.45	ng	0.00
23) Nitrobenzene-d5	9.21	82	164674	90.71	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	139418	134.51	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	416639	88.07	ng	0.00
79) Terphenyl-d14	20.03	244	1058793	109.31	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	2986	2.257	ng	# 76
19) n-Nitroso-di-n-propylamine	9.21	70	22950	18.522	ng	# 80
41) Hexachlorocyclopentadiene	12.72	237	61	3.687	ng	# 29
51) 2,6-Dinitrotoluene	14.67	165	7516	6.411	ng	# 15
57) 2,4-Dinitrotoluene	14.67	165	7516	4.419	ng	# 20
67) 4-Bromophenyl-phenylether	16.17	248	9967	4.042	ng	# 1
77) Benzydine	20.02	184	18140	3.972	ng	# 89

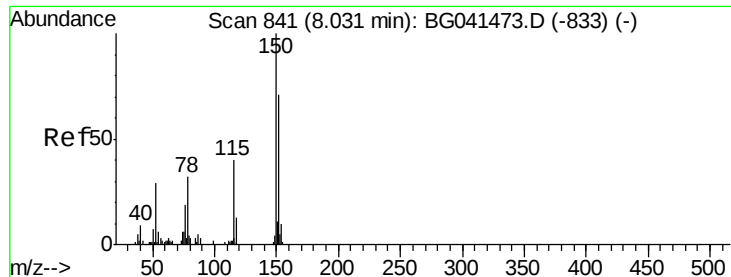
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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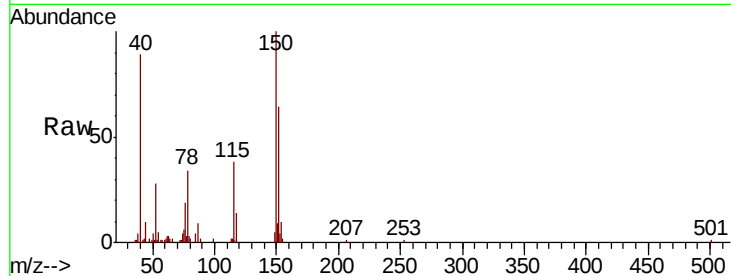


#1

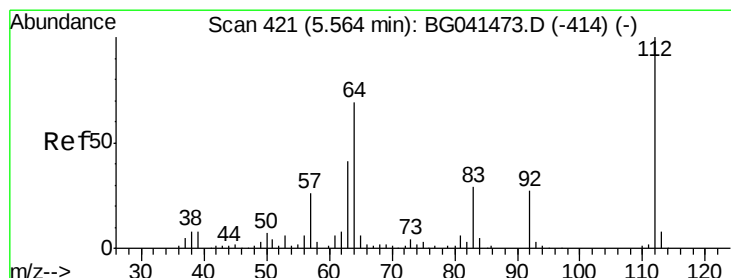
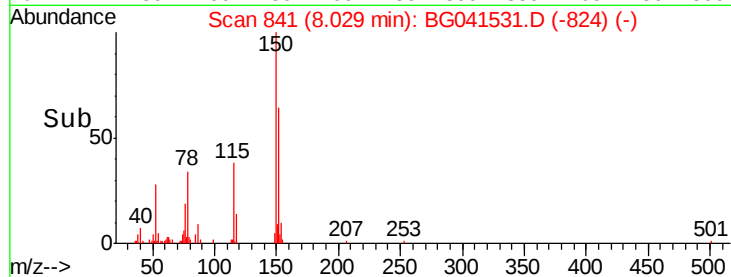
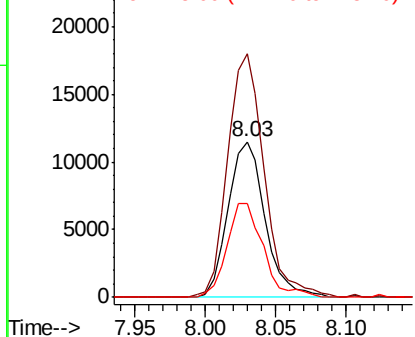
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041531.D
Acq: 29 Jun 2019 4:02

Instrument :
BNA_G
ClientSampleId :
TRIANGLE-AREA-SOIL-C

Tgt Ion:152 Resp: 21038
Ion Ratio Lower Upper
152 100
150 156.6 112.4 168.6
115 60.2 44.6 66.8



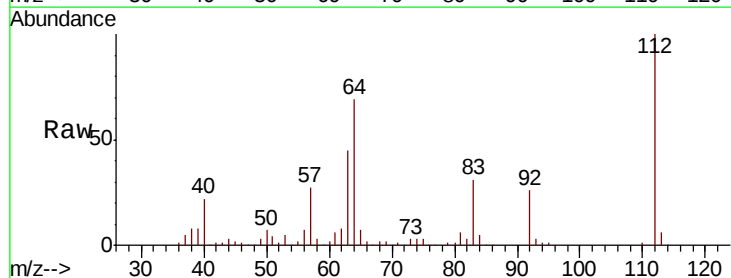
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



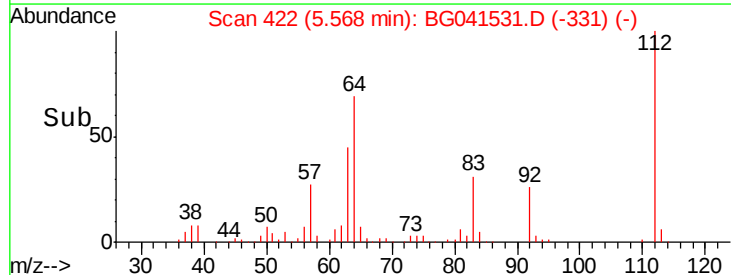
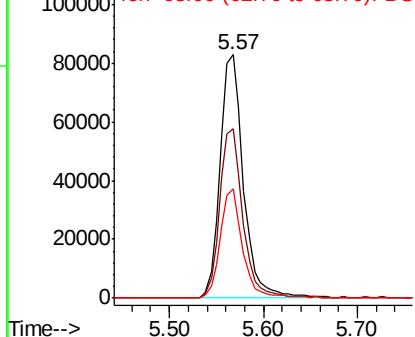
#5

2-Fluorophenol
Concen: 122.292 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041531.D
Acq: 29 Jun 2019 4:02

Tgt Ion:112 Resp: 144307
Ion Ratio Lower Upper
112 100
64 69.3 55.1 82.7
63 44.7 32.4 48.6



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





#7

Phenol-d6

Concen: 120.448 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041531.D

Acq: 29 Jun 2019 4:02

Instrument :

BNA_G

ClientSampleId :

TRIANGLE-AREA-SOIL-C

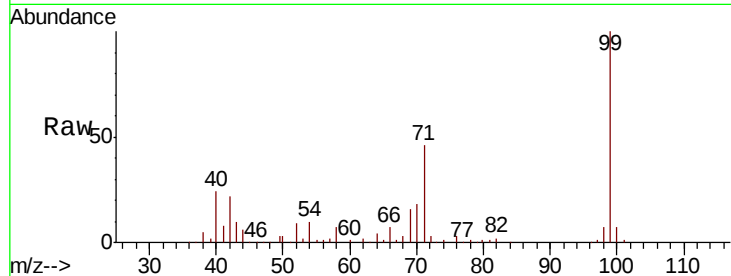
Tgt Ion: 99 Resp: 200083

Ion Ratio Lower Upper

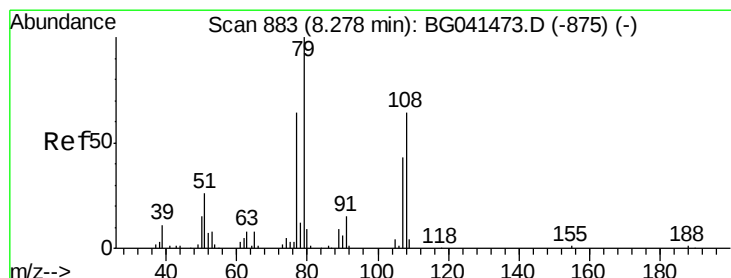
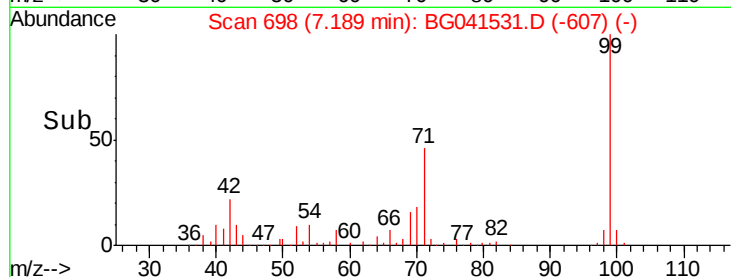
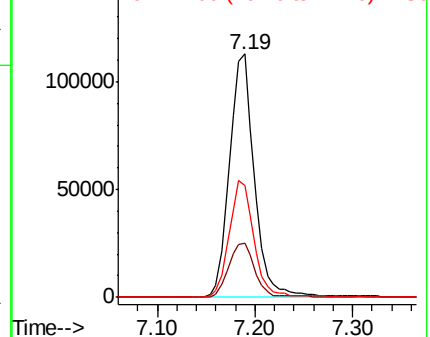
99 100

42 22.4 19.0 28.6

71 45.9 37.4 56.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.257 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG041531.D

Acq: 29 Jun 2019 4:02

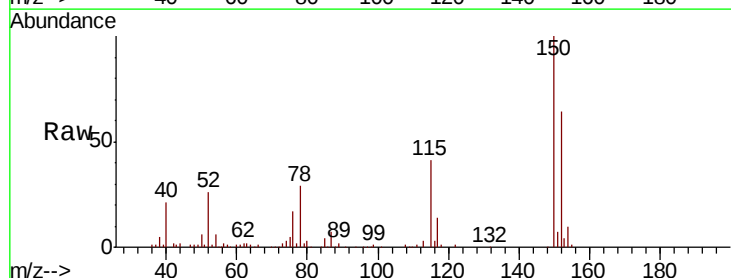
Tgt Ion: 79 Resp: 2986

Ion Ratio Lower Upper

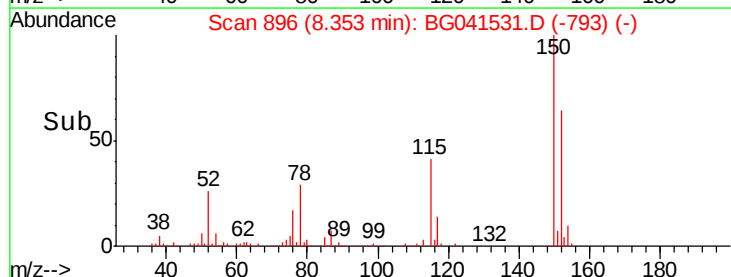
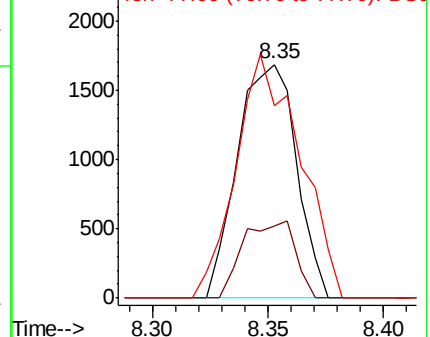
79 100

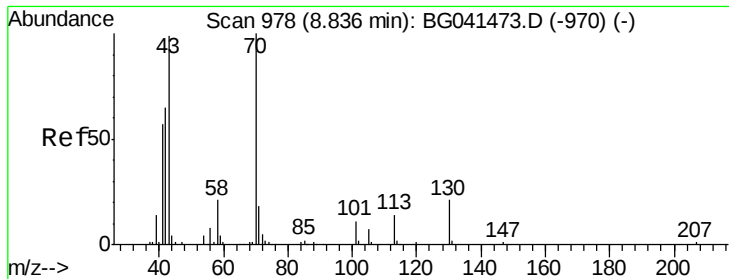
108 44.9 51.4 77.0#

77 82.2 50.8 76.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

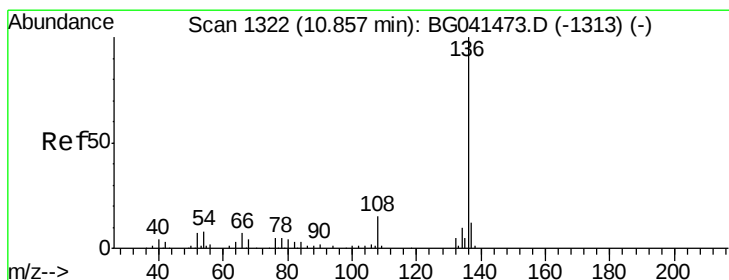
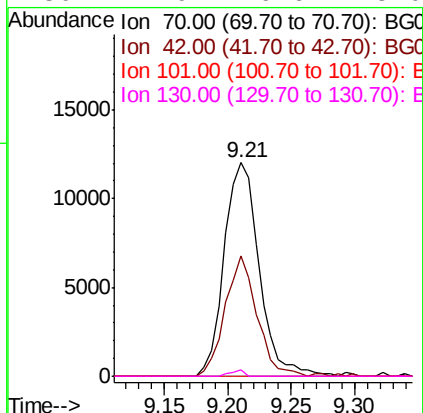
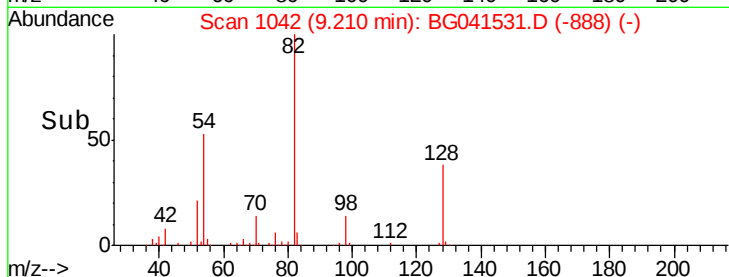
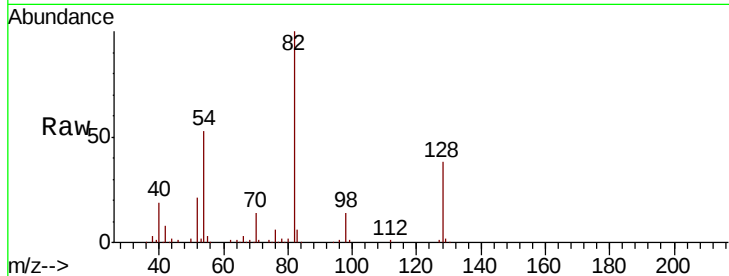




#19
n-Nitroso-di-n-propylamine
Concen: 18.522 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.37 min
Lab File: BG041531.D
Acq: 29 Jun 2019 4:02

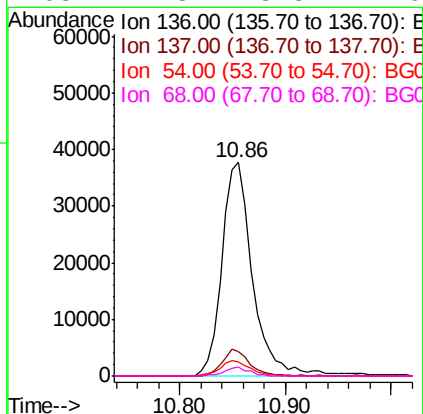
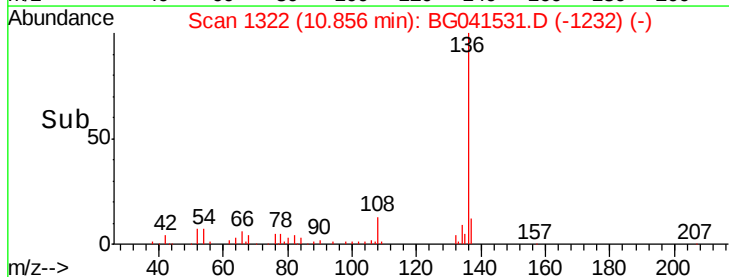
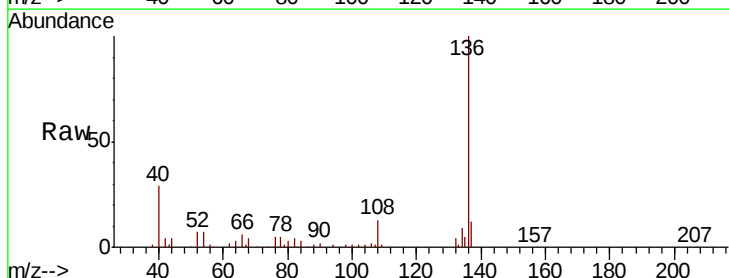
Instrument :
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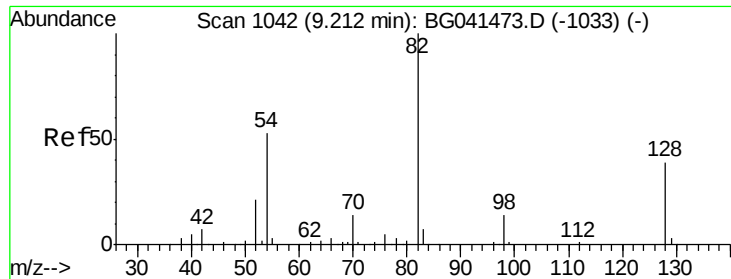
Tgt Ion: 70 Resp: 22950
Ion Ratio Lower Upper
70 100
42 56.1 52.6 78.8
101 0.0 8.6 13.0#
130 2.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041531.D
Acq: 29 Jun 2019 4:02

Tgt Ion: 136 Resp: 75714
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 6.8 7.1 10.7#
68 4.3 3.3 4.9

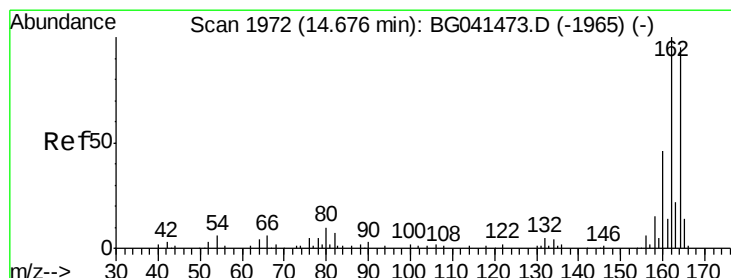
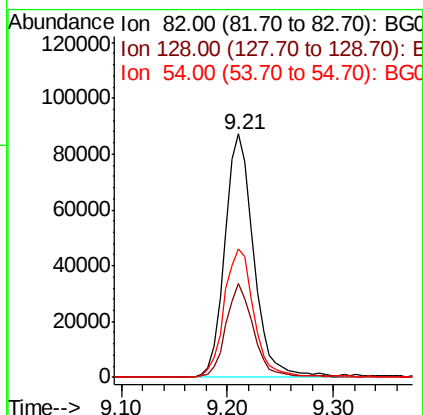
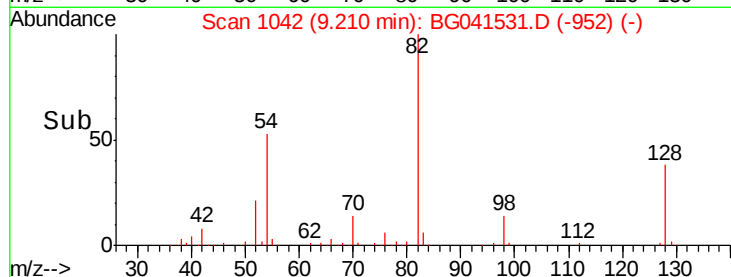
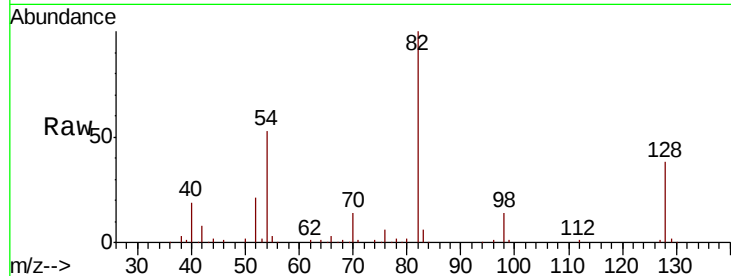




#23
 Nitrobenzene-d5
 Concen: 90.711 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

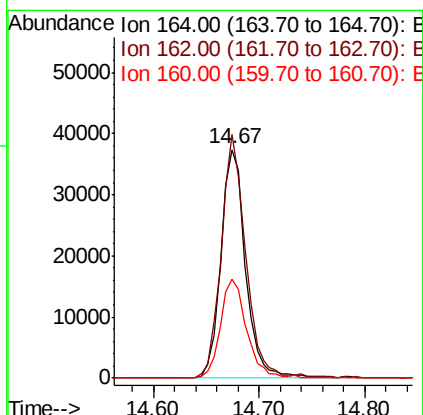
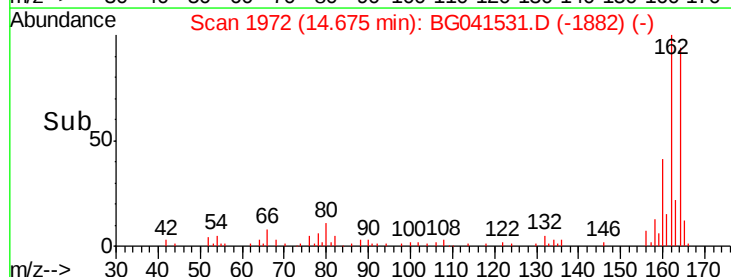
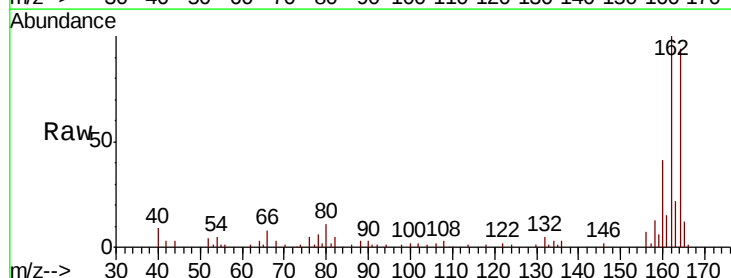
Instrument :
 BNA_G
 ClientSampleId :
 TRIANGLE-AREA-SOIL-C

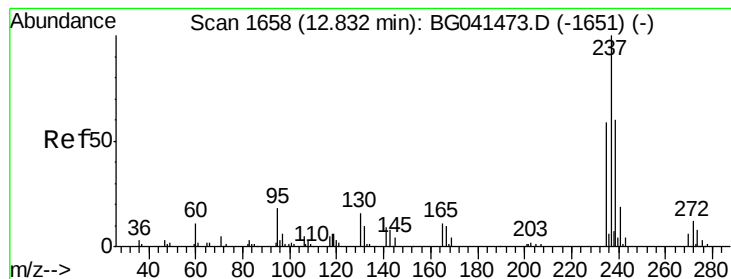
Tgt Ion: 82 Resp: 164674
 Ion Ratio Lower Upper
 82 100
 128 38.3 30.9 46.3
 54 52.5 42.2 63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

Tgt Ion: 164 Resp: 60706
 Ion Ratio Lower Upper
 164 100
 162 106.4 84.4 126.6
 160 43.4 38.8 58.2





#41

Hexachlorocyclopentadiene

Concen: 3.687 ng

RT: 12.72 min Scan# 1640

Delta R.T. -0.11 min

Lab File: BG041531.D

Acq: 29 Jun 2019 4:02

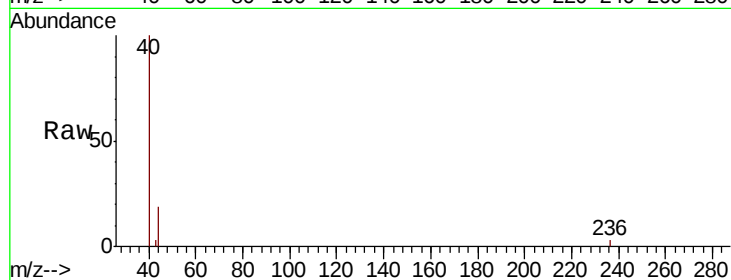
Instrument :

BNA_G

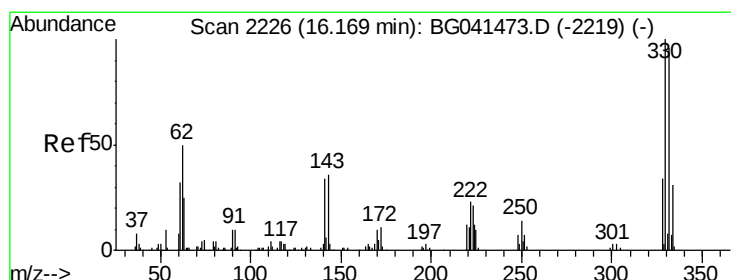
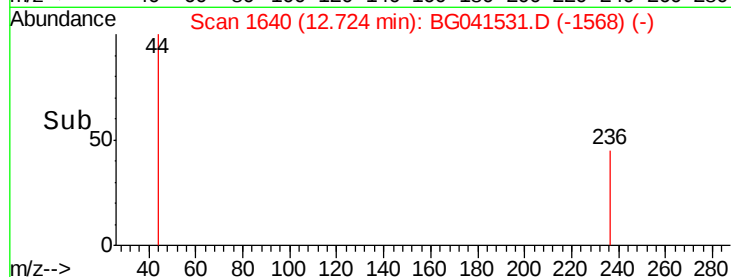
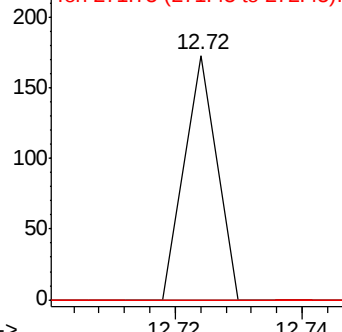
ClientSampleId :

TRIANGLE-AREA-SOIL-C

Tgt Ion:	237	Resp:	61
Ion	Ratio	Lower	Upper
237	100		
235	0.0	39.1	79.1#
272	0.0	0.0	31.5



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 134.506 ng

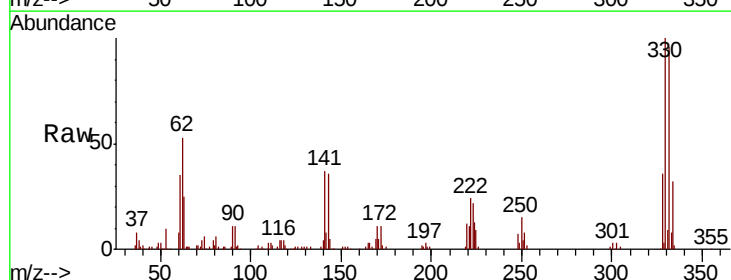
RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

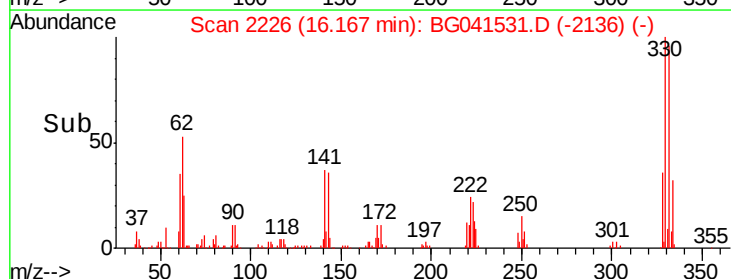
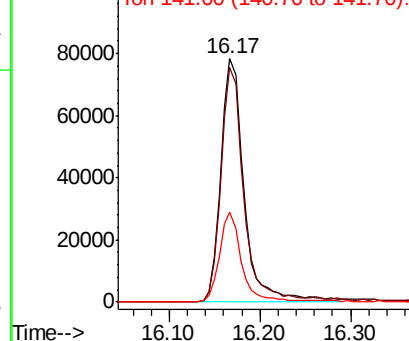
Lab File: BG041531.D

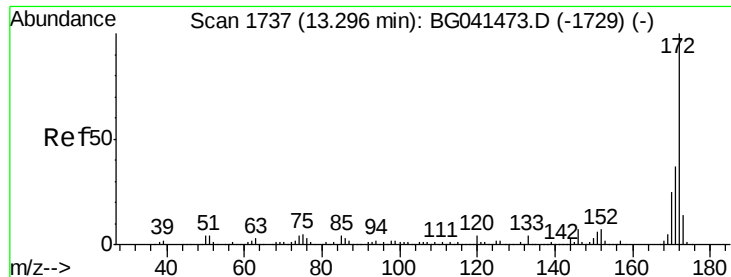
Acq: 29 Jun 2019 4:02

Tgt Ion:	330	Resp:	139418
Ion	Ratio	Lower	Upper
330	100		
332	93.0	75.5	113.3
141	35.3	27.8	41.6



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

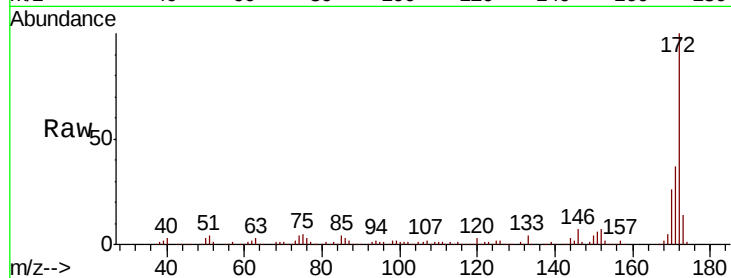




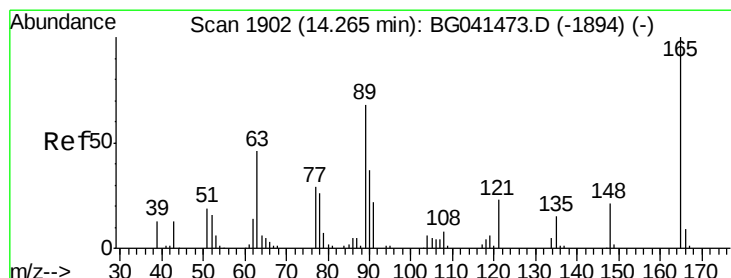
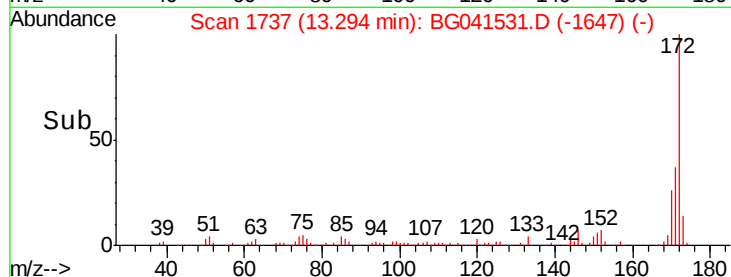
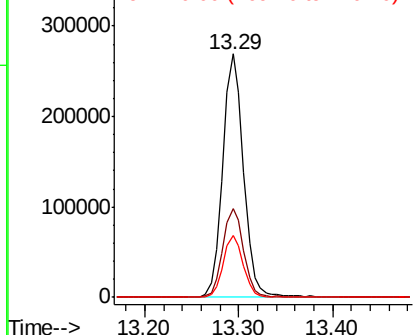
#45
 2-Fluorobiphenyl
 Concen: 88.073 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

Instrument :
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 TRIANGLE-AREA-SOIL-C

Tgt Ion:172 Resp: 416639
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 25.5 20.0 30.0

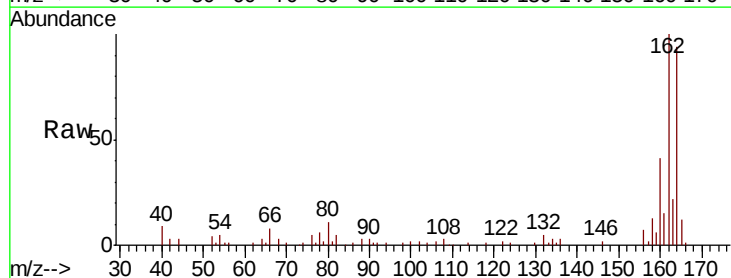


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

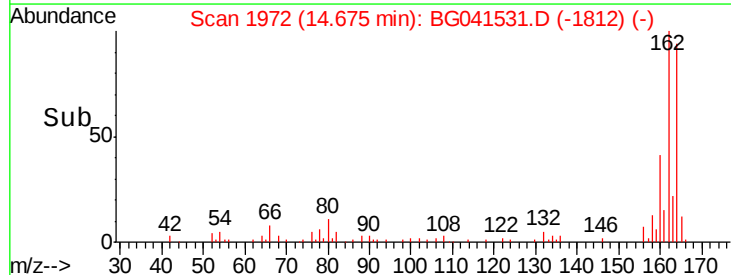
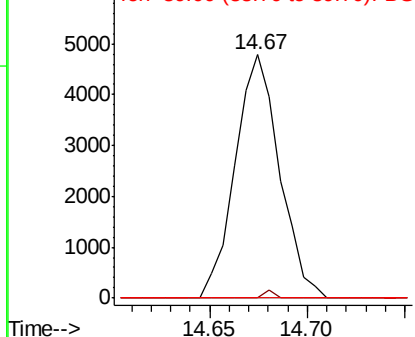


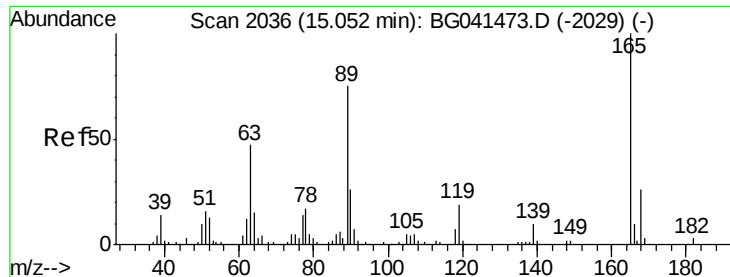
#51
 2,6-Dinitrotoluene
 Concen: 6.411 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

Tgt Ion:165 Resp: 7516
 Ion Ratio Lower Upper
 165 100
 63 0.0 56.4 84.6#
 89 0.0 54.6 81.8#



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

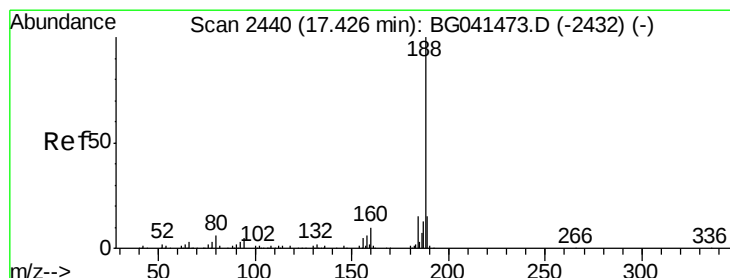
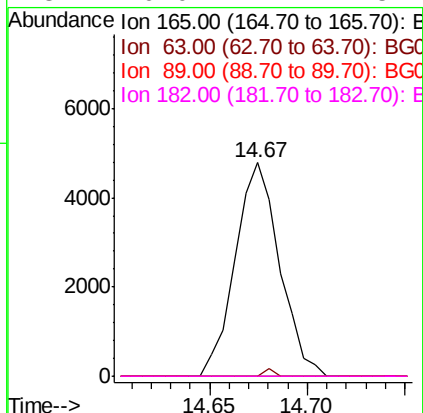
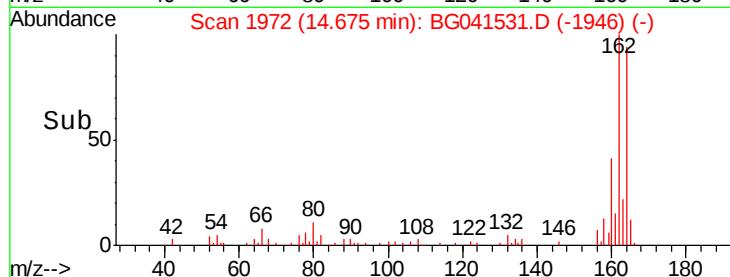
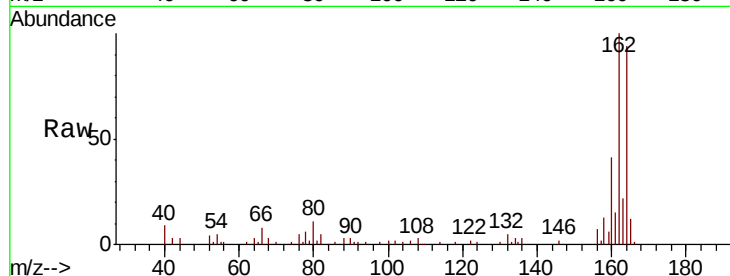




#57
 2,4-Dinitrotoluene
 Concen: 4.419 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

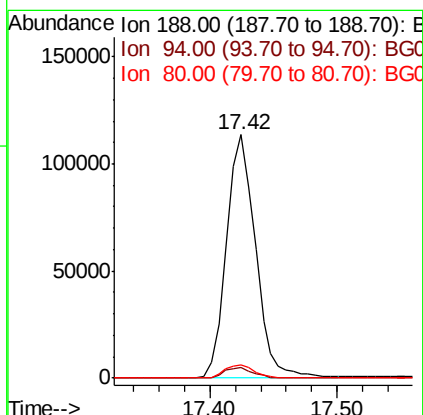
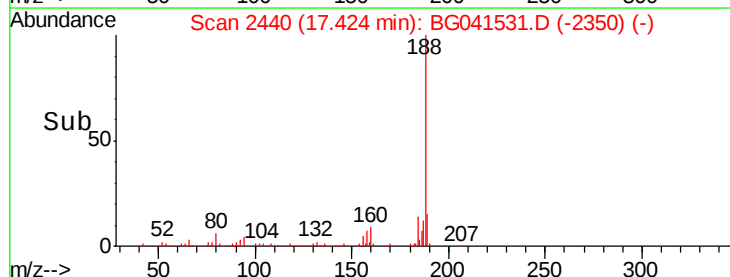
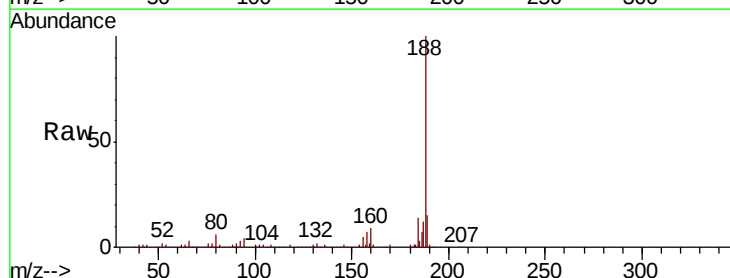
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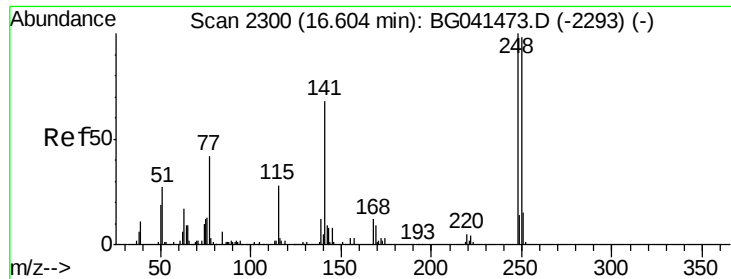
Tgt Ion:	165	Resp:	7516
Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	0.0	60.1	90.1#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

Tgt Ion:	188	Resp:	180442
Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.8	5.8
80	5.7	4.8	7.2

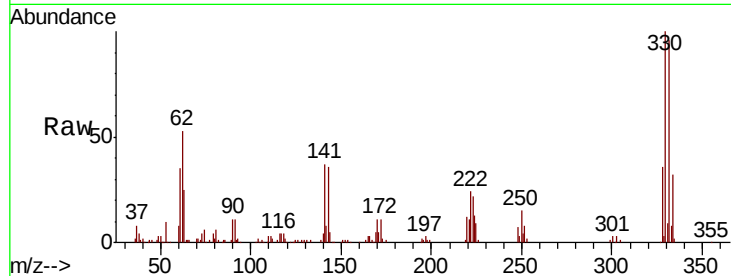




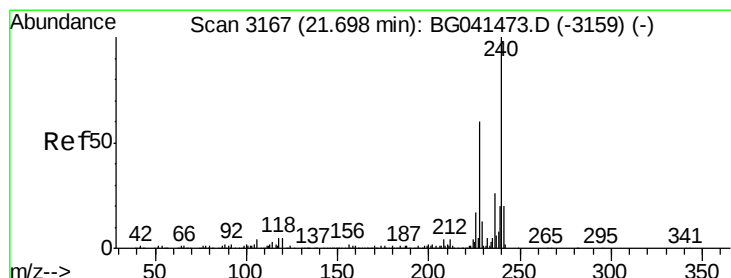
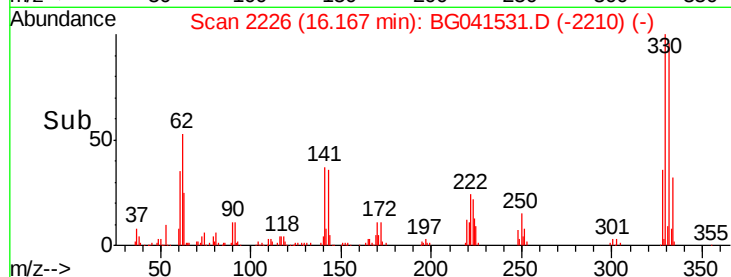
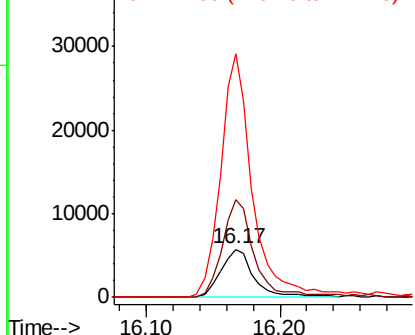
#67
 4-Bromophenyl-phenylether
 Concen: 4.042 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

Instrument :
 BNA_G
 ClientSampleId :
 TRIANGLE-AREA-SOIL-C

Tgt Ion:248 Resp: 9967
 Ion Ratio Lower Upper
 248 100
 250 204.5 78.1 117.1#
 141 507.3 54.1 81.1#

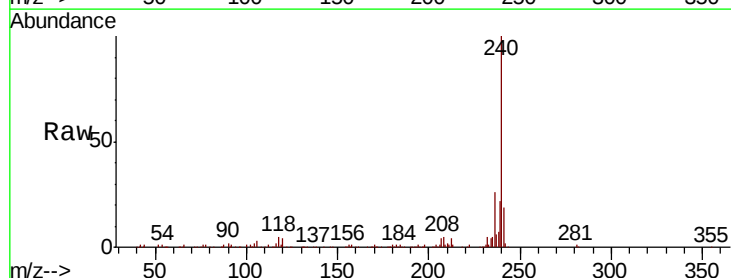


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

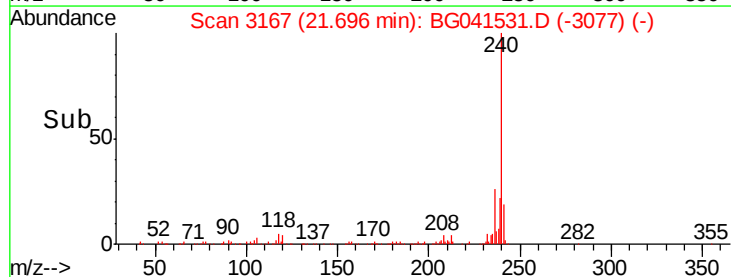
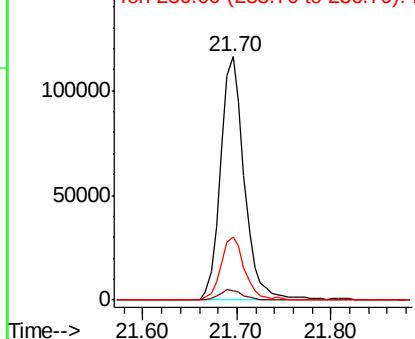


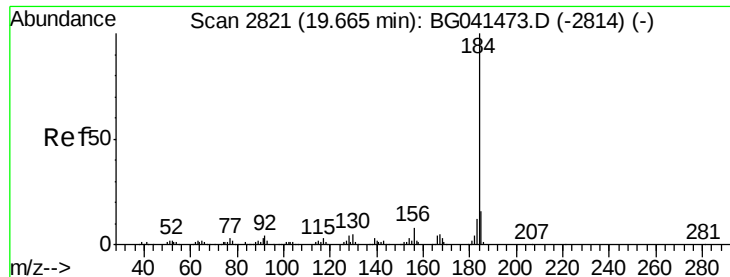
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: BG041531.D
 Acq: 29 Jun 2019 4:02

Tgt Ion:240 Resp: 205842
 Ion Ratio Lower Upper
 240 100
 120 3.9 3.7 5.5
 236 26.0 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.972 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.36 min

Lab File: BG041531.D

Acq: 29 Jun 2019 4:02

Instrument :

BNA_G

ClientSampleId :

TRIANGLE-AREA-SOIL-C

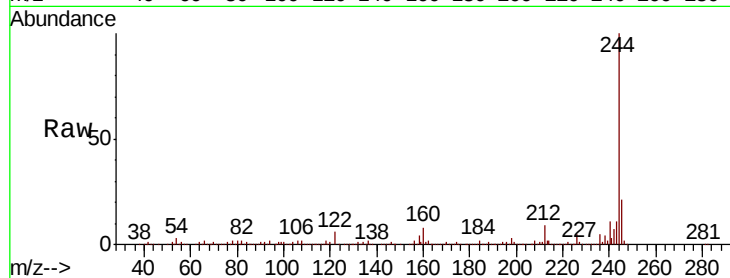
Tgt Ion:184 Resp: 18140

Ion Ratio Lower Upper

184 100

185 21.0 12.7 19.1#

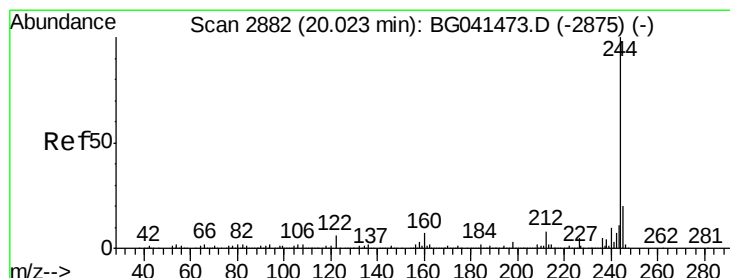
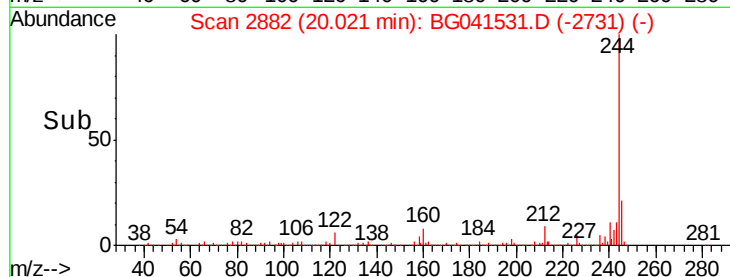
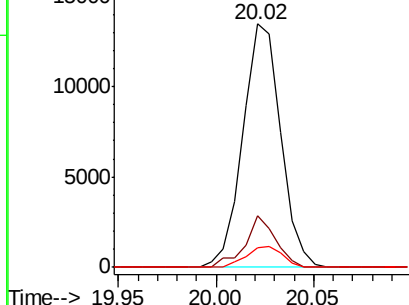
183 8.1 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 109.308 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041531.D

Acq: 29 Jun 2019 4:02

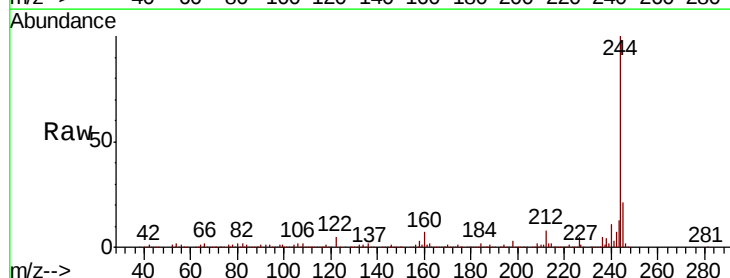
Tgt Ion:244 Resp: 1058793

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.4

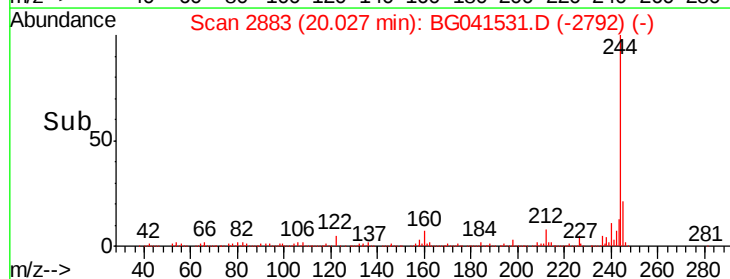
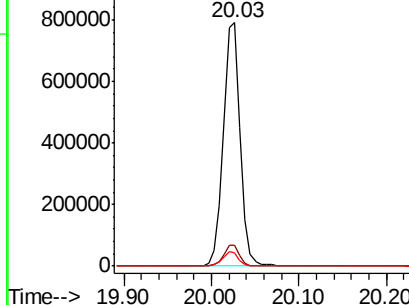
122 5.2 4.8 7.2

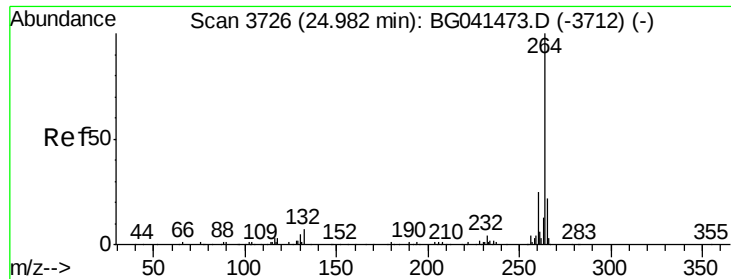


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BG041531.D
Acq: 29 Jun 2019 4:02

Instrument :
BNA_G
ClientSampleId :
TRIANGLE-AREA-SOIL-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.7	29.5
265	21.3	17.4	26.2

