

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
 Data File : BG043248.D
 Acq On : 16 Oct 2019 17:01
 Operator : JU
 Sample : K5293-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KEARNY-TOPSOIL

Quant Time: Oct 16 17:44:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

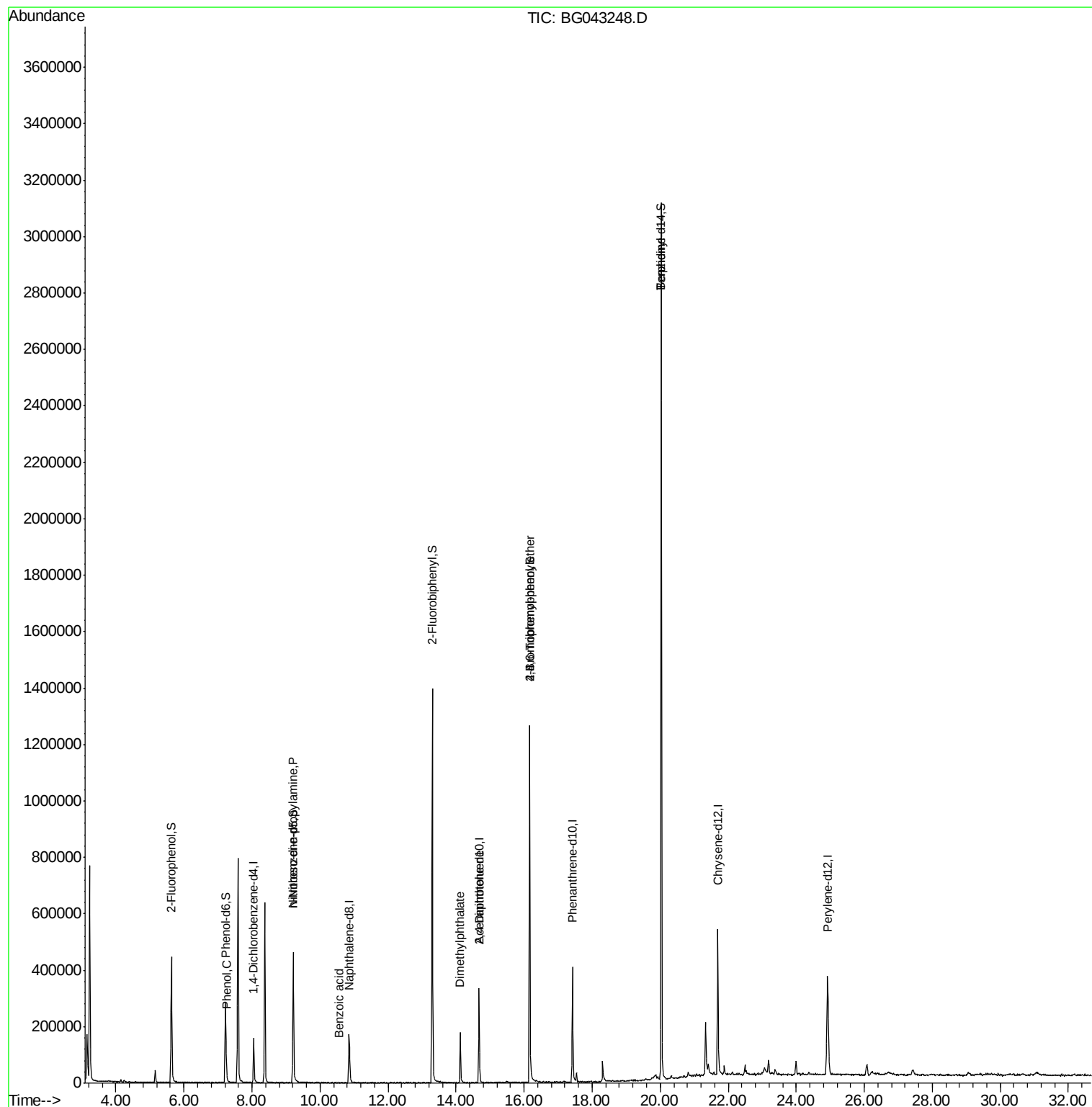
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49622	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	178530	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	128002	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	301913	20.00	ng	0.00
76) Chrysene-d12	21.70	240	350958	20.00	ng	0.00
87) Perylene-d12	24.92	264	403147	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	209413	75.31	ng	0.00
7) Phenol-d6	7.22	99	186770	46.64	ng	0.00
23) Nitrobenzene-d5	9.21	82	315339	85.85	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	306887	139.43	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	807020	91.40	ng	0.00
79) Terphenyl-d14	20.03	244	1661971	100.91	ng	0.00
Target Compounds						
10) Phenol	7.25	94	13848	3.770	ng	95
19) n-Nitroso-di-n-propylamine	9.21	70	44990	17.111	ng	# 70
32) Benzoic acid	10.55	122	59	2.835	ng	# 1
50) Dimethylphthalate	14.12	163	133449	13.914	ng	# 98
57) 2,4-Dinitrotoluene	14.68	165	16550	5.533	ng	# 25
67) 4-Bromophenyl-phenylether	16.16	248	19363	5.110	ng	# 1
77) Benzidine	20.03	184	25423	2.893	ng	96

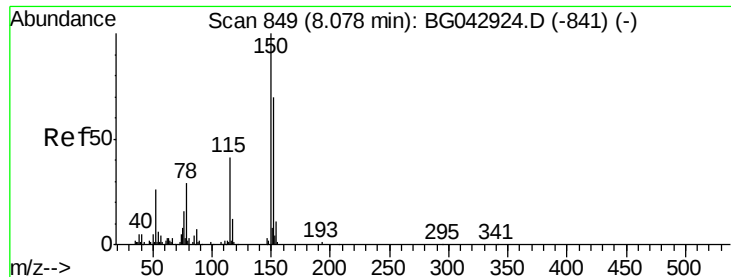
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.01 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Instrument :

BNA_G

ClientSampleId :

KEARNY-TOPSOIL

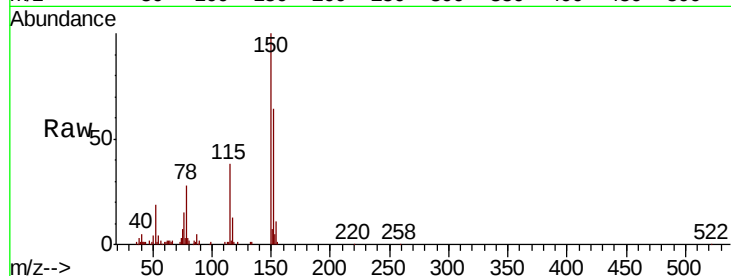
Tot Ion:152 Resp: 49622

Ion Ratio Lower Upper

152 100

150 155.1 115.0 172.4

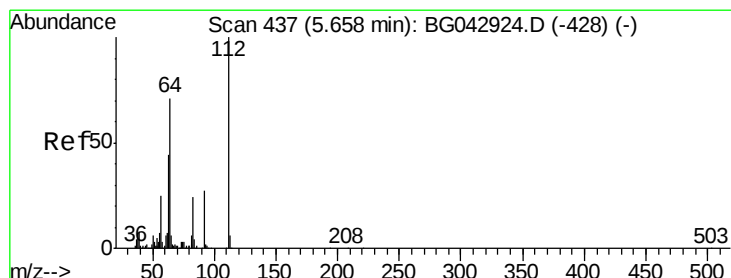
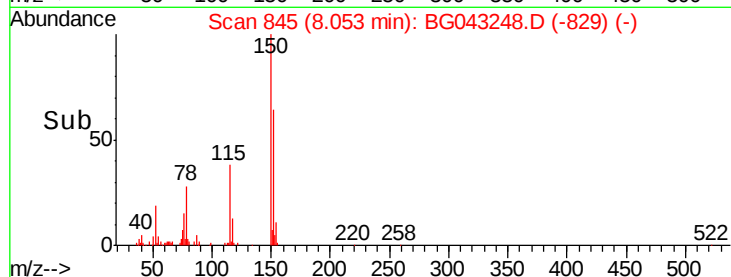
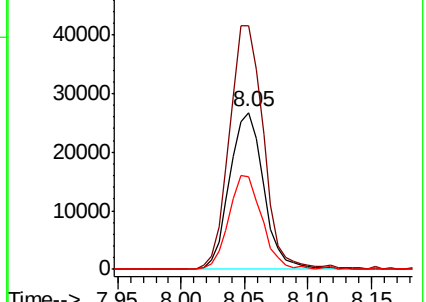
115 59.3 47.0 70.6



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: 75.314 ng

RT: 5.63 min Scan# 433

Delta R.T. -0.01 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

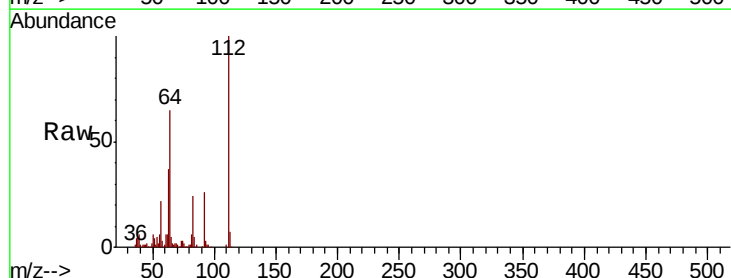
Tgt Ion:112 Resp: 209413

Ion Ratio Lower Upper

112 100

64 64.6 56.6 84.8

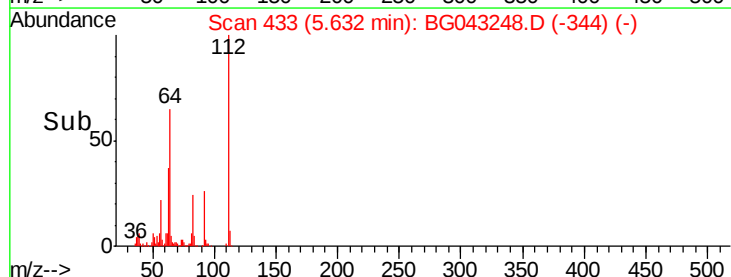
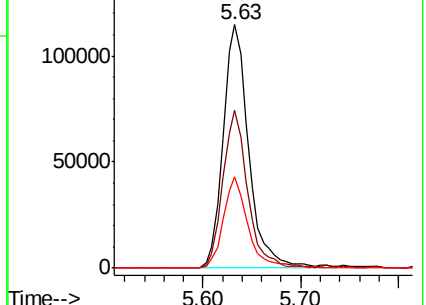
63 37.3 35.1 52.7

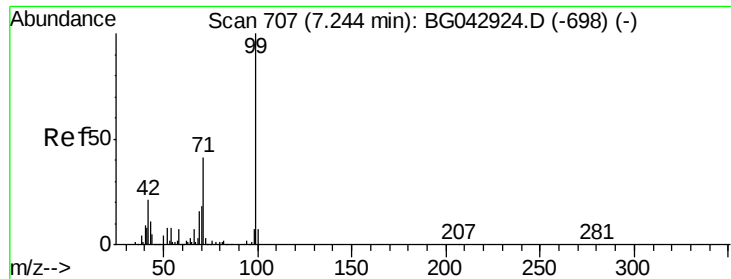


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 46.644 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Instrument :

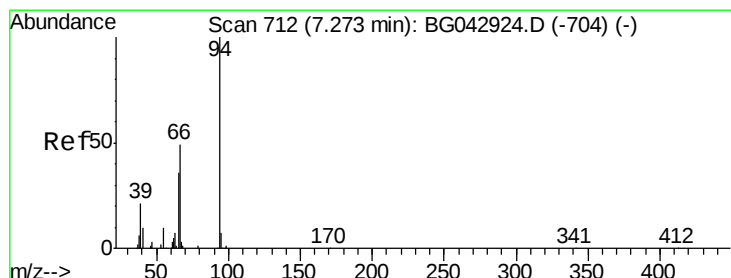
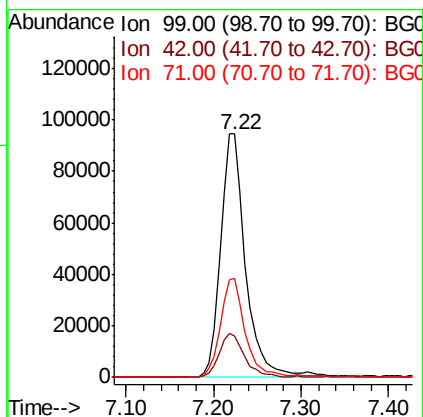
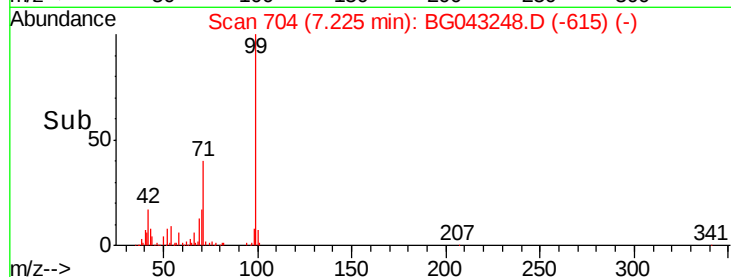
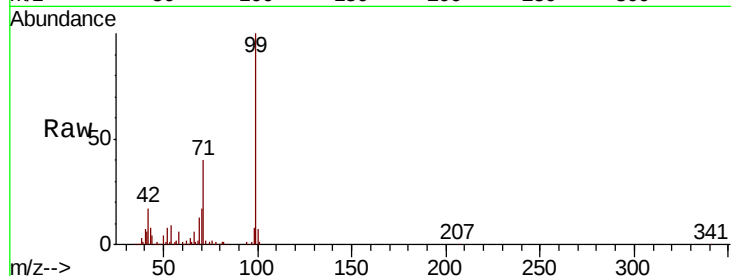
BNA_G

ClientSampleId :

KEARNY-TOPSOIL

Tot Ion: 99 Resp: 186770

Ion	Ratio	Lower	Upper
99	100		
42	17.2	17.2	25.8#
71	40.5	33.1	49.7



#10

Phenol

Concen: 3.770 ng

RT: 7.25 min Scan# 708

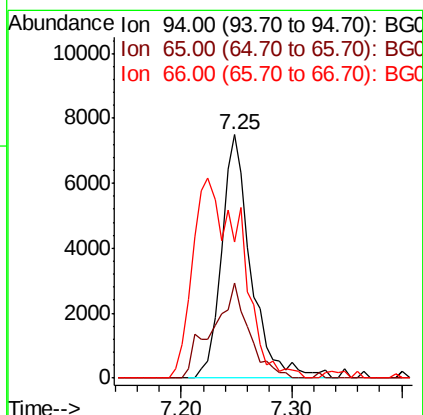
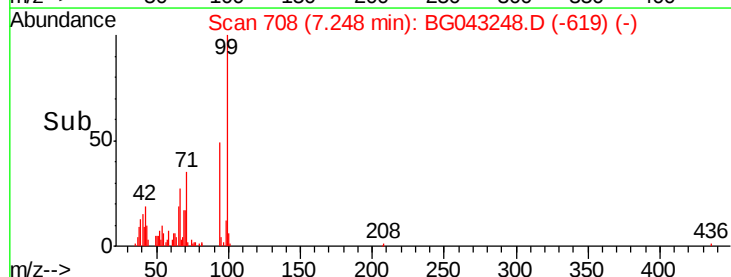
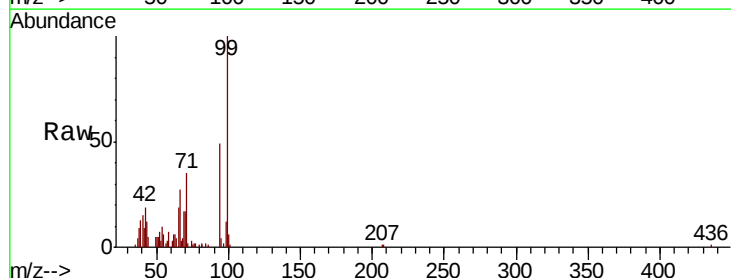
Delta R.T. -0.01 min

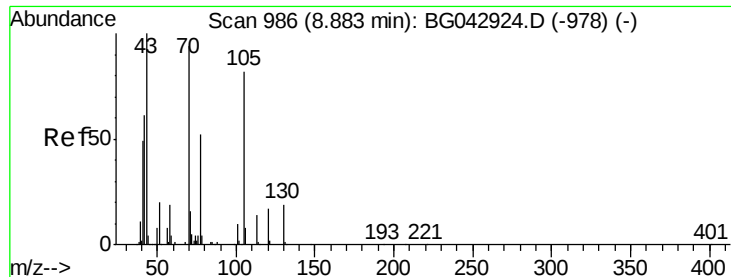
Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Tgt Ion: 94 Resp: 13848

Ion	Ratio	Lower	Upper
94	100		
65	39.1	16.6	56.6
66	56.0	32.4	72.4

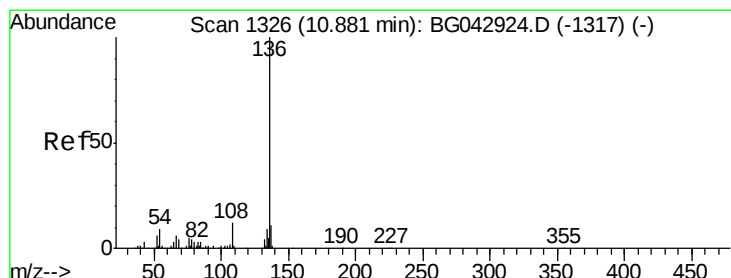
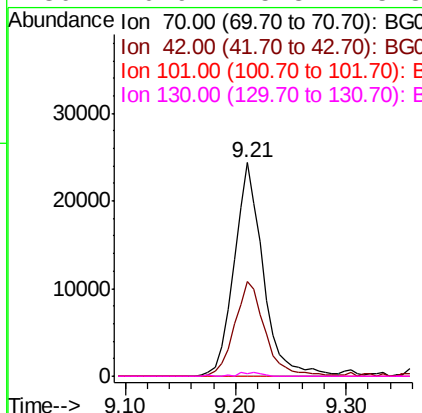
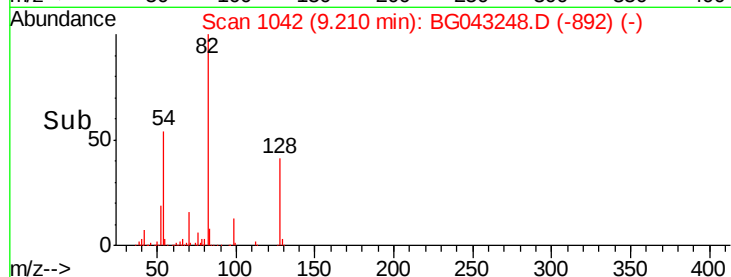
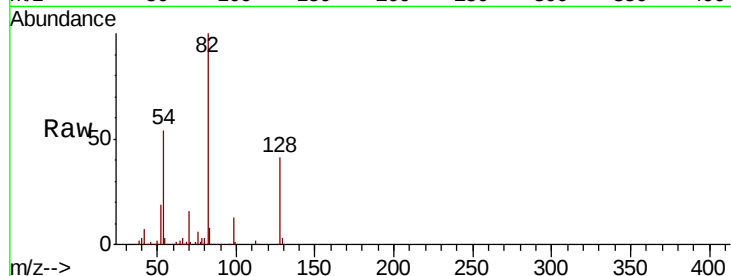




#19
n-Nitroso-di-n-propylamine
Concen: 17.111 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

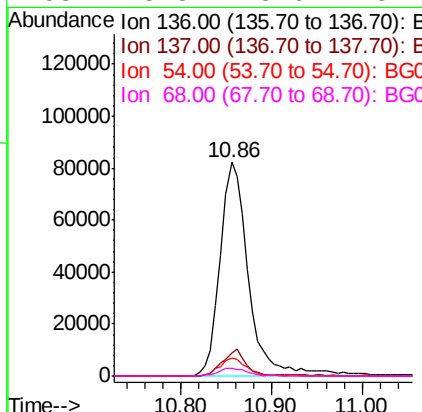
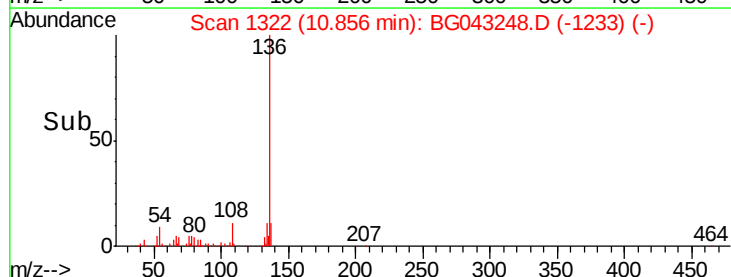
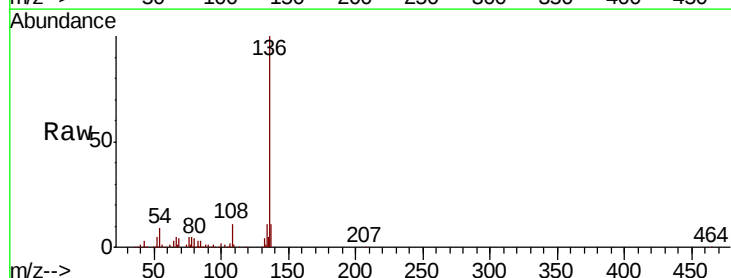
Instrument :
BNA_G
ClientSampleId :
KEARNY-TOPSOIL

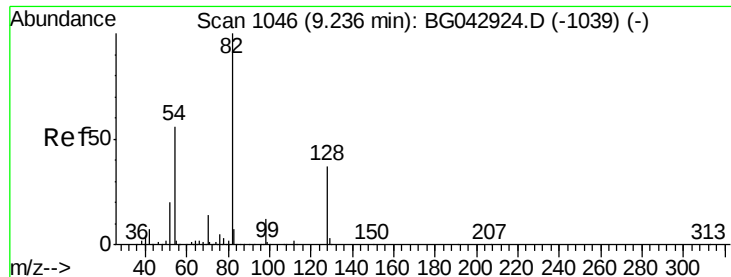
Tot Ion: 70 Resp: 44990
Ion Ratio Lower Upper
70 100
42 44.5 52.6 79.0#
101 0.0 8.7 13.1#
130 0.9 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

Tgt Ion: 136 Resp: 178530
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 8.7 7.4 11.2
68 3.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 85.852 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Instrument :

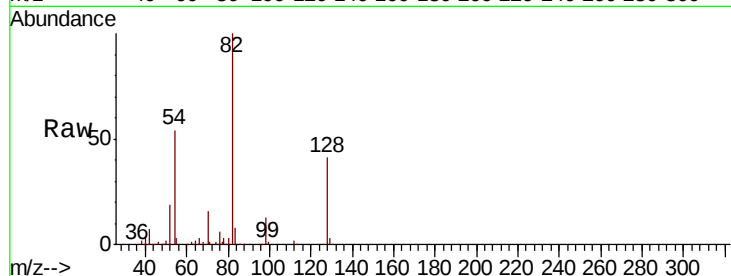
BNA_G

ClientSampleId :

KEARNY-TOPSOIL

Tot Ion: 82 Resp: 315339

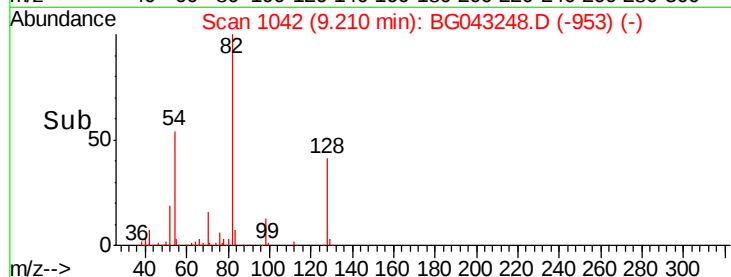
Ion	Ratio	Lower	Upper
82	100		
128	40.9	29.5	44.3
54	53.9	44.6	67.0



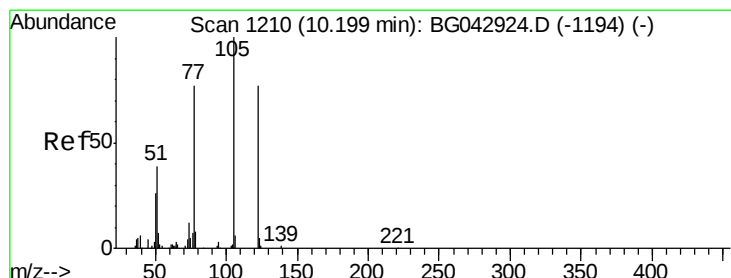
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



Time-->



#32

Benzoic acid

Concen: 2.835 ng

RT: 10.55 min Scan# 1270

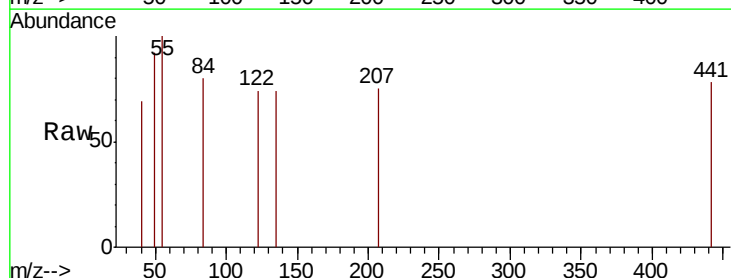
Delta R.T. 0.38 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Tgt Ion: 122 Resp: 59

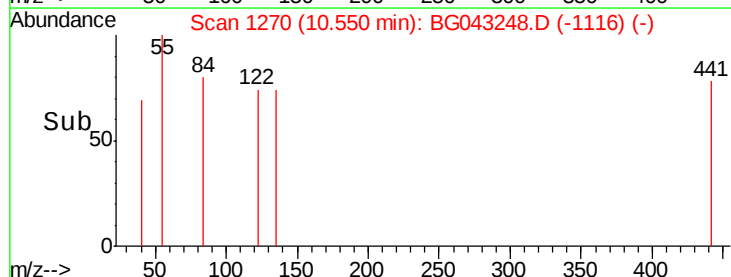
Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#



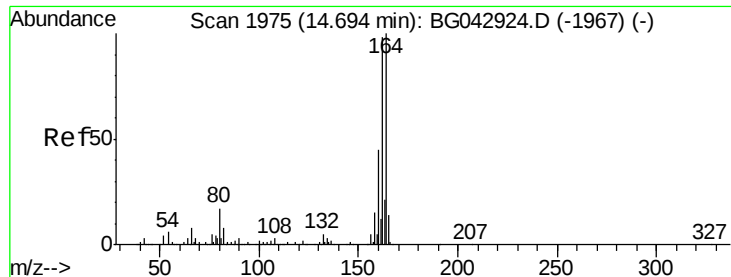
Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Instrument :

BNA_G

ClientSampleId :

KEARNY-TOPSOIL

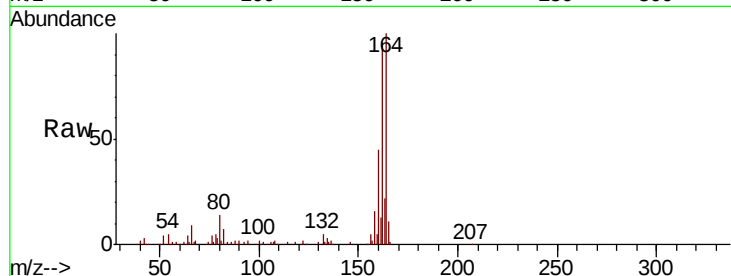
Tot Ion:164 Resp: 128002

Ion Ratio Lower Upper

164 100

162 96.3 78.5 117.7

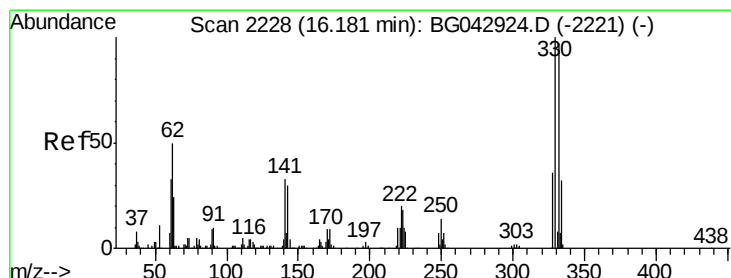
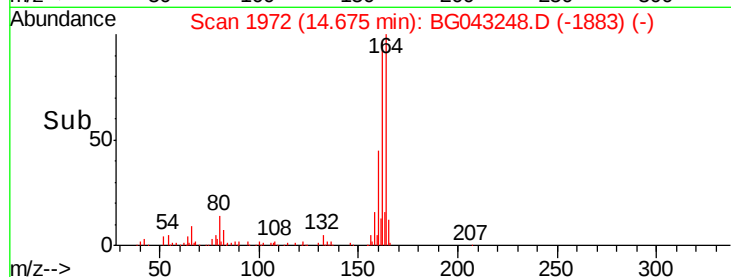
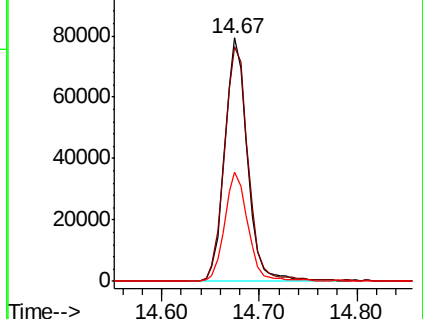
160 44.7 35.9 53.9



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



#42

2,4,6-Tribromophenol

Concen: 139.426 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

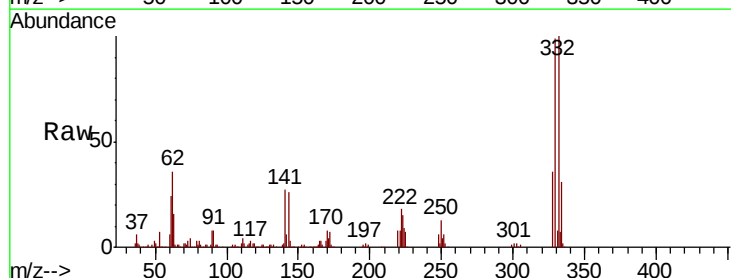
Tgt Ion:330 Resp: 306887

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.2

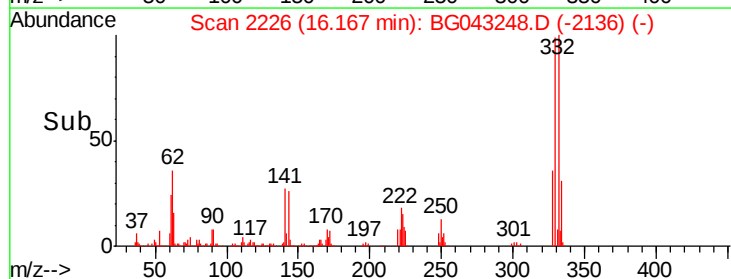
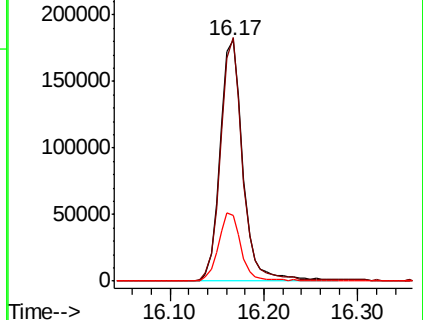
141 27.7 26.0 39.0

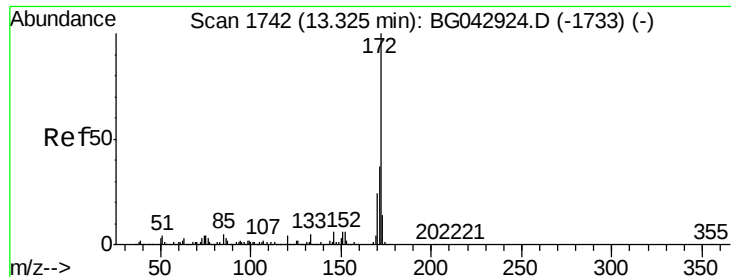


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

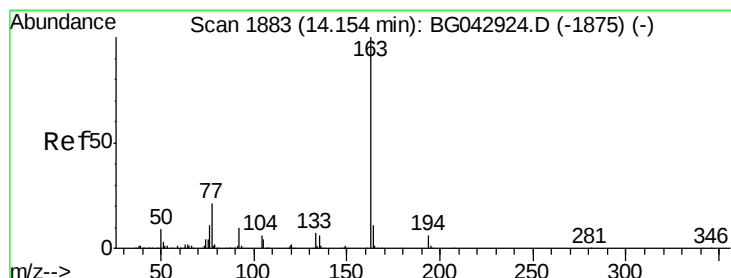
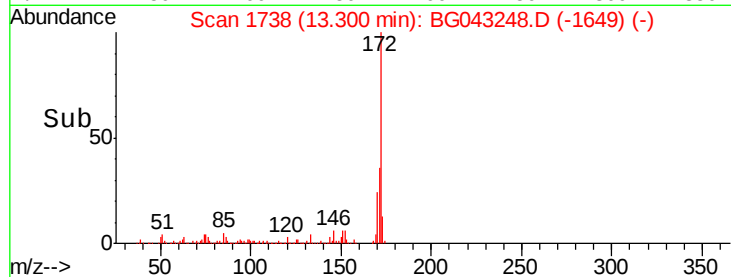
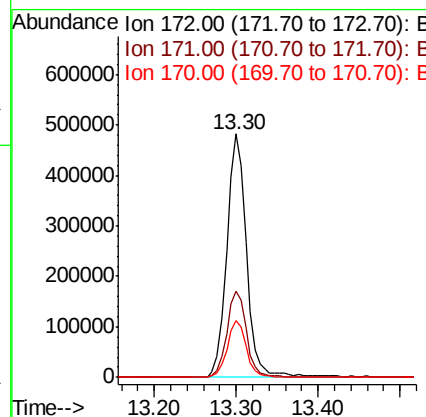
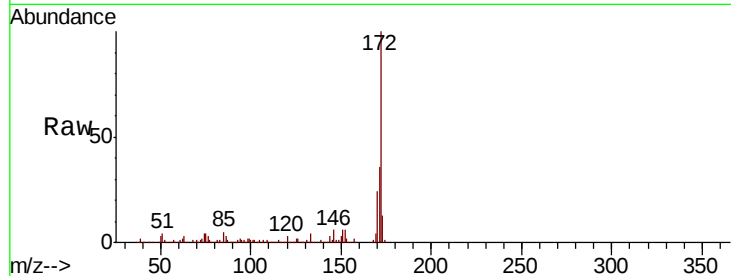




#45
2-Fluorobiphenyl
Concen: 91.400 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

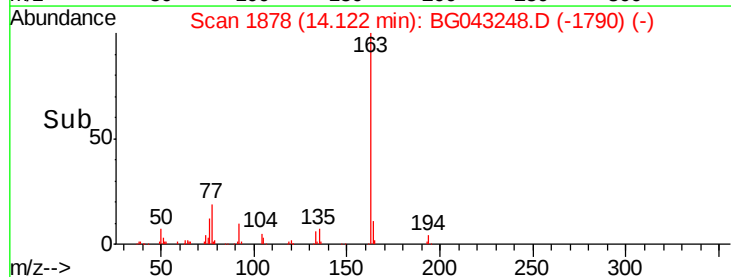
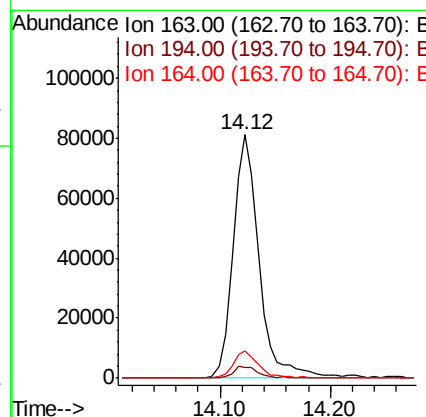
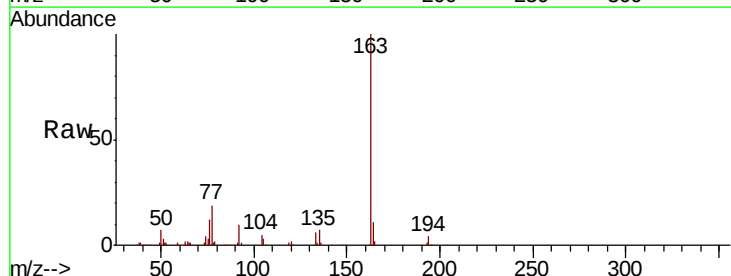
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BNA_G
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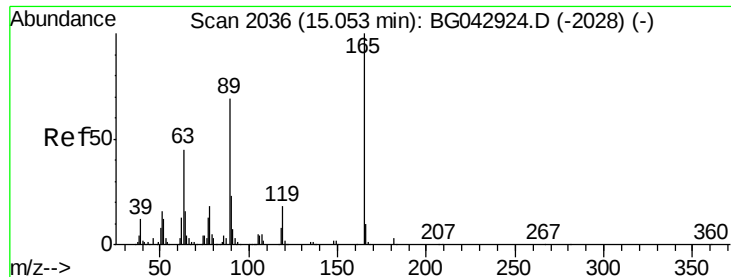
Tot Ion:172 Resp: 807020
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.5 19.6 29.4



#50
Dimethylphthalate
Concen: 13.914 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

Tgt Ion:163 Resp: 133449
Ion Ratio Lower Upper
163 100
194 4.1 4.4 6.6#
164 11.2 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 5.533 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Instrument :

BNA_G

ClientSampleId :

KEARNY-TOPSOIL

Tot Ion:165 Resp: 16550

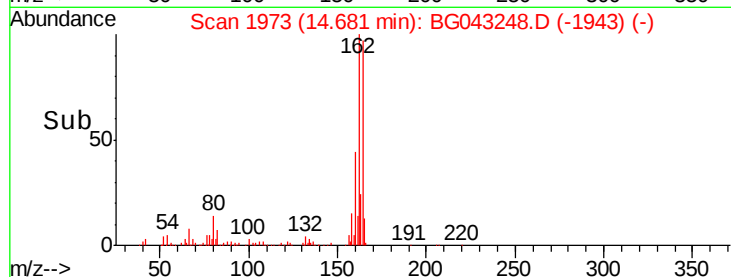
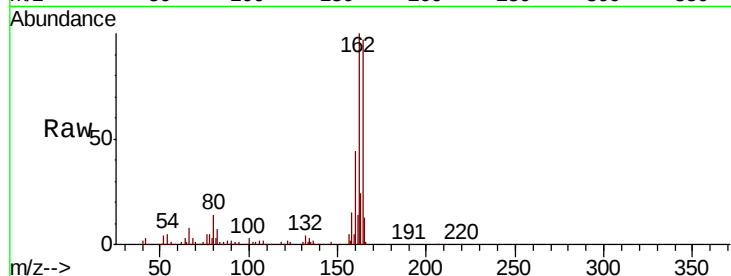
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 3.3 55.5 83.3#

182 0.0 2.4 3.6#

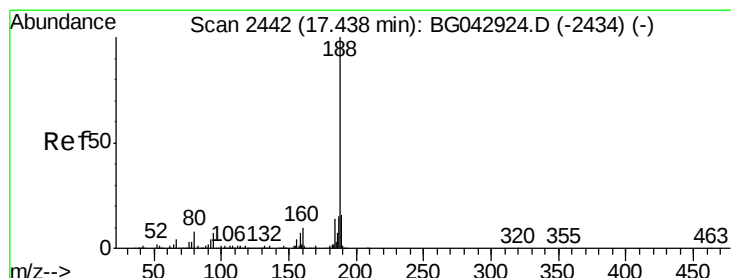
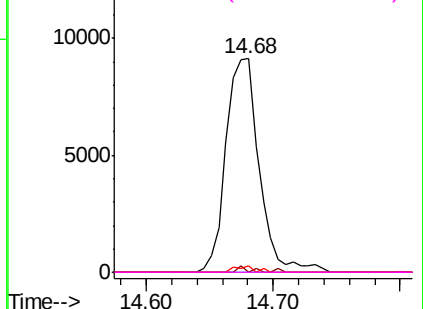


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

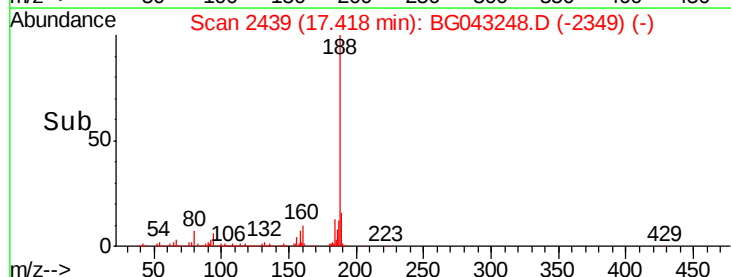
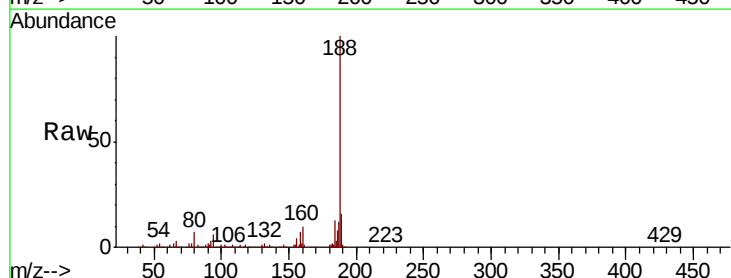
Tgt Ion:188 Resp: 301913

Ion Ratio Lower Upper

188 100

94 5.6 5.7 8.5#

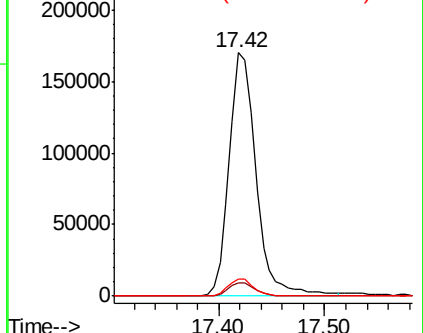
80 7.1 6.5 9.7

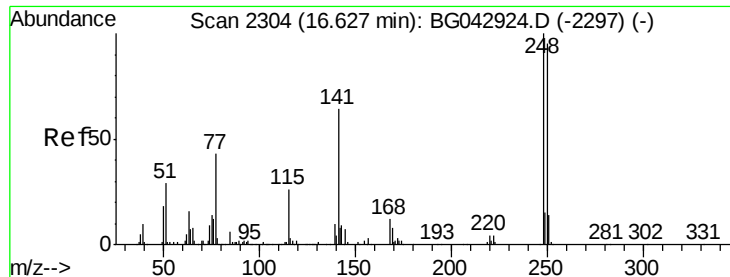


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

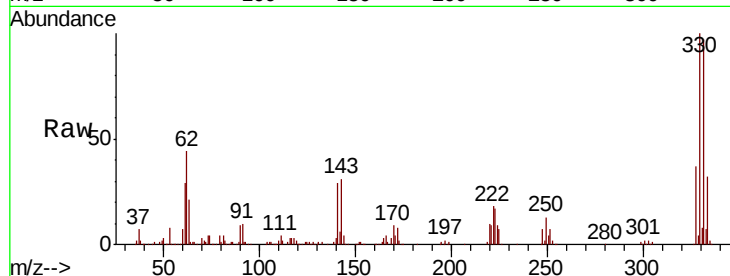




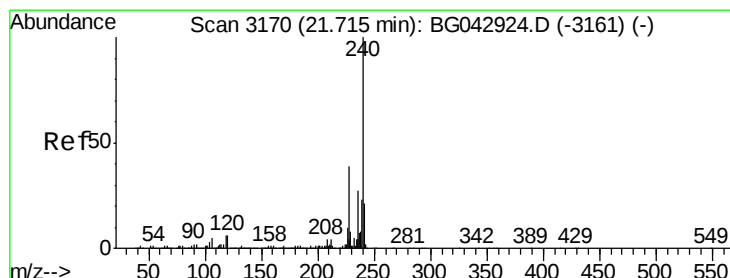
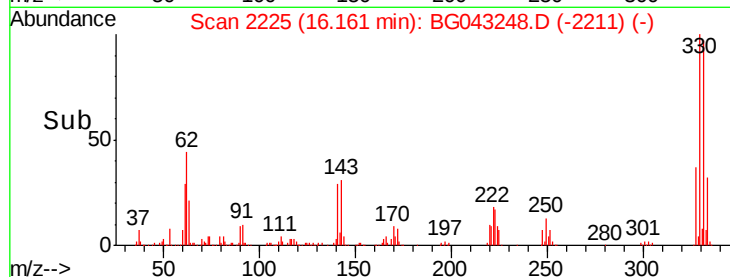
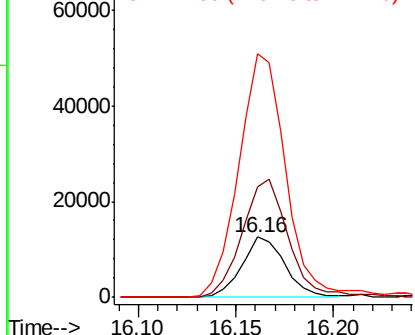
#67
 4-Bromophenyl-phenylether
 Concen: 5.110 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.45 min
 Lab File: BG043248.D
 Acq: 16 Oct 2019 17:01

Instrument :
 BNA_G
 ClientSampleId :
 KEARNY-TOPSOIL

Tot Ion:248 Resp: 19363
 Ion Ratio Lower Upper
 248 100
 250 185.2 75.8 113.8#
 141 406.1 51.1 76.7#

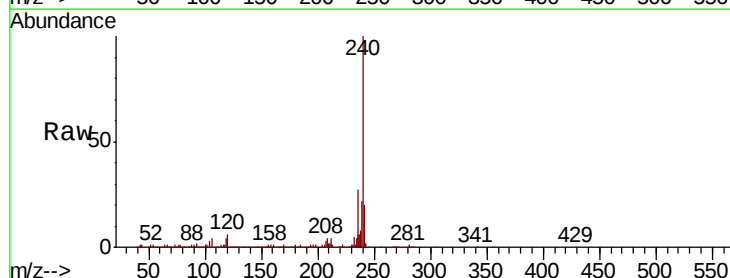


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

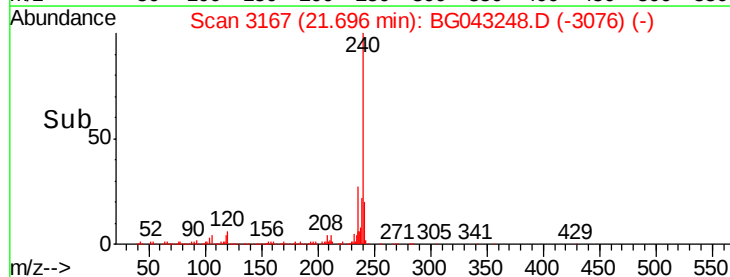
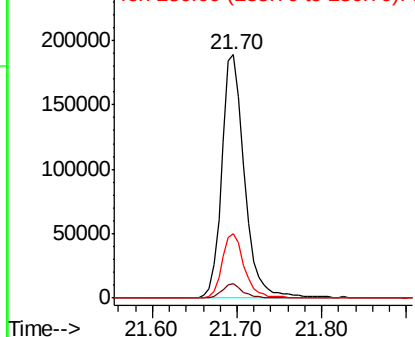


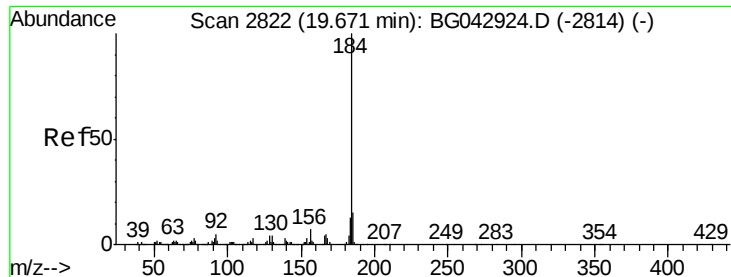
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. 0.01 min
 Lab File: BG043248.D
 Acq: 16 Oct 2019 17:01

Tgt Ion:240 Resp: 350958
 Ion Ratio Lower Upper
 240 100
 120 5.8 4.8 7.2
 236 26.7 21.4 32.0



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: 2.893 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Instrument :

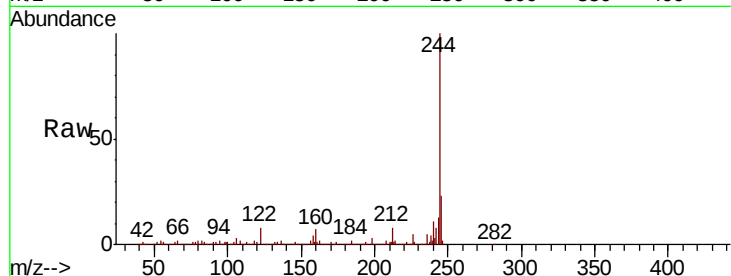
BNA_G

ClientSampleId :

KEARNY-TOPSOIL

Tot Ion:184 Resp: 25423

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.8	17.8
183	10.2	10.1	15.1

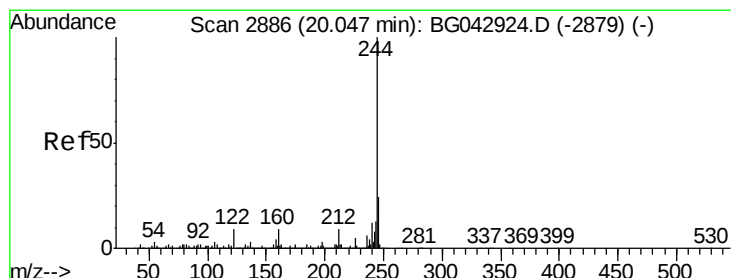
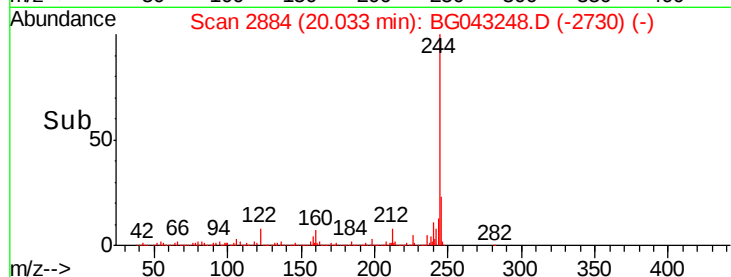
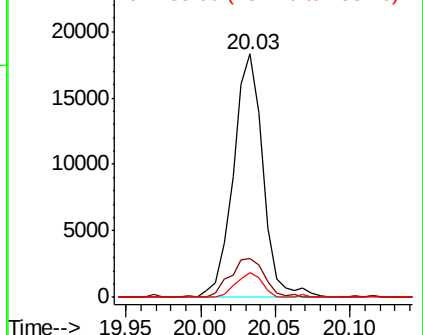


Abundance

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: 100.908 ng

RT: 20.03 min Scan# 2884

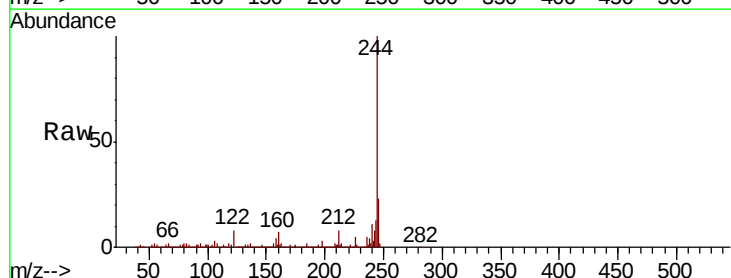
Delta R.T. 0.01 min

Lab File: BG043248.D

Acq: 16 Oct 2019 17:01

Tgt Ion:244 Resp: 1661971

Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.4	11.0
122	7.6	7.0	10.4

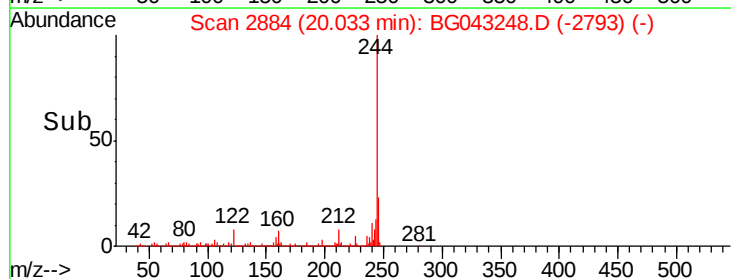
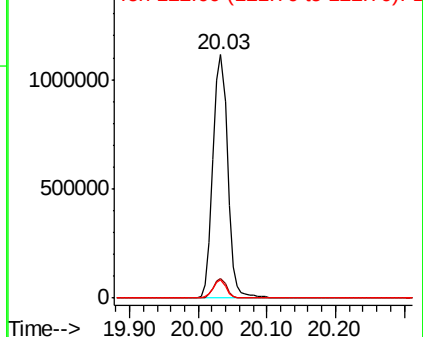


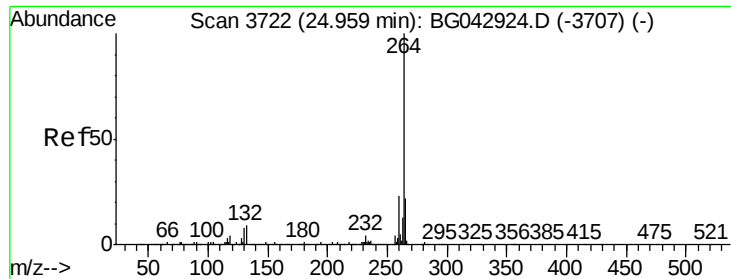
Abundance

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

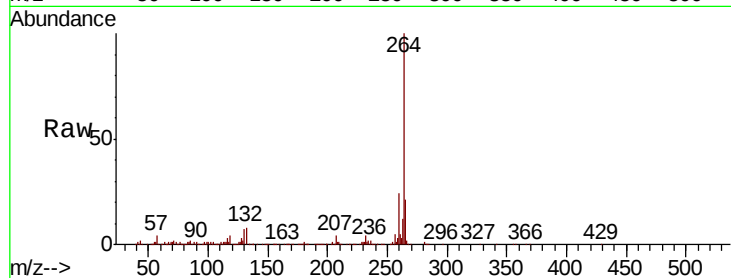




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. 0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

Instrument :
BNA_G
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion:	264	Resp:	403147
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	20.8	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

