

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 17:49:12 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

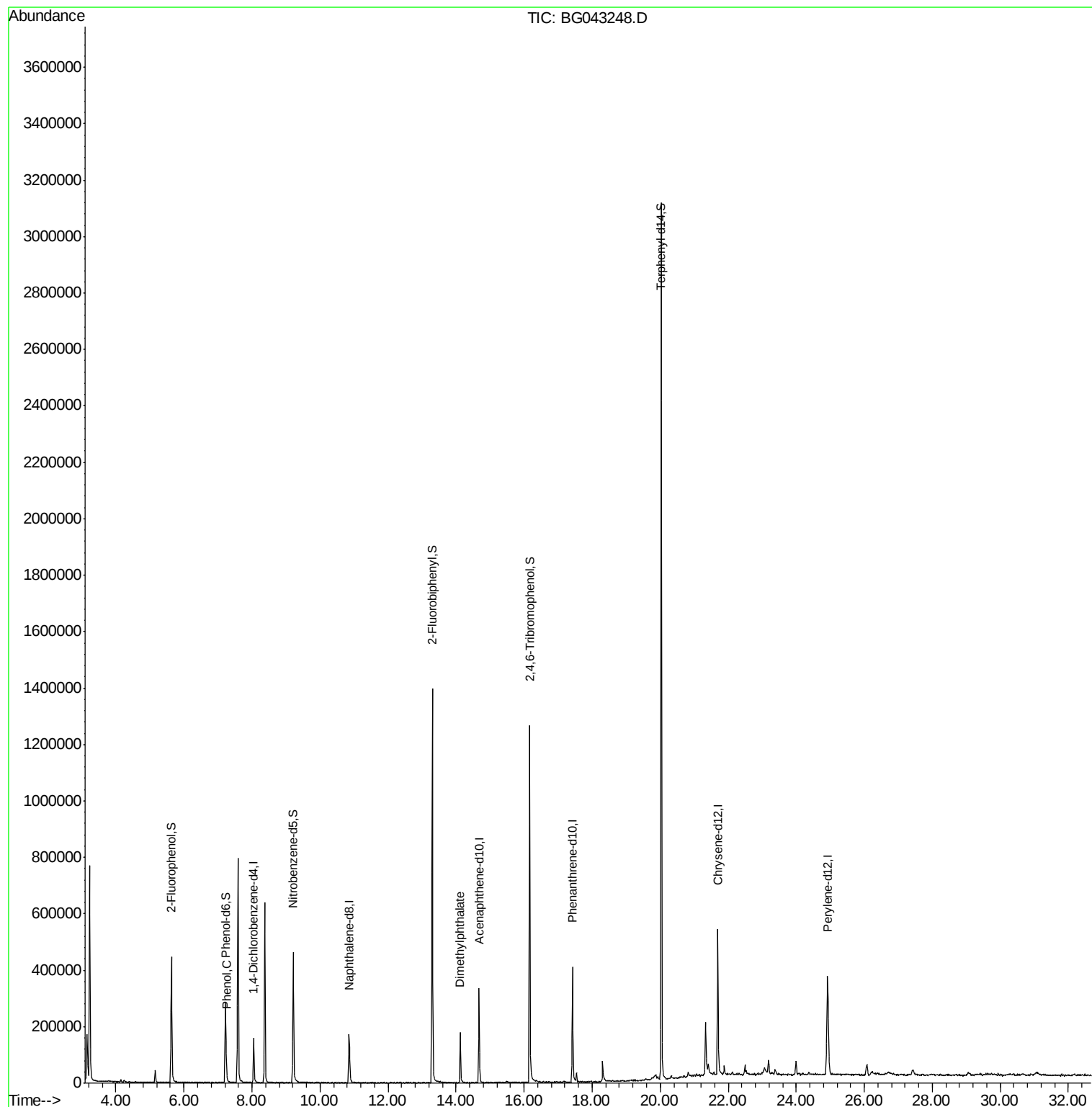
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49622	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	178530	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	128002	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	301913	20.00	ng	0.00
76) Chrysene-d12	21.70	240	350958	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
50) Dimethylphthalate	14.12	163	133449	13.914	ng	# 98

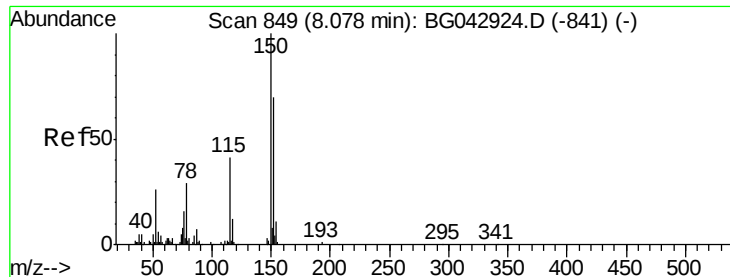
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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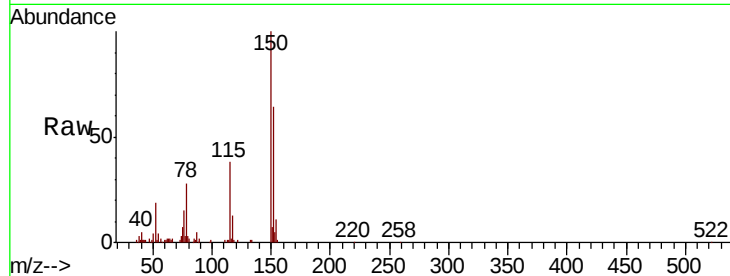


#1

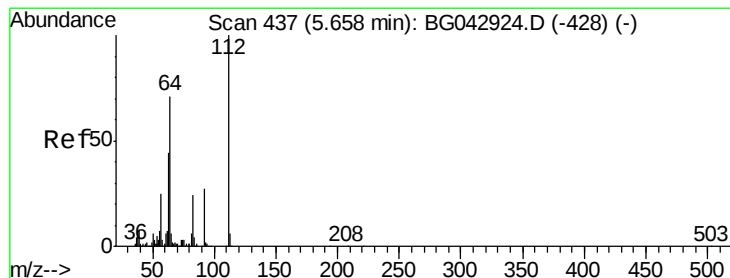
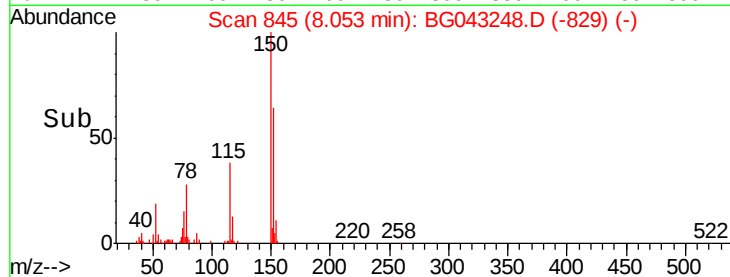
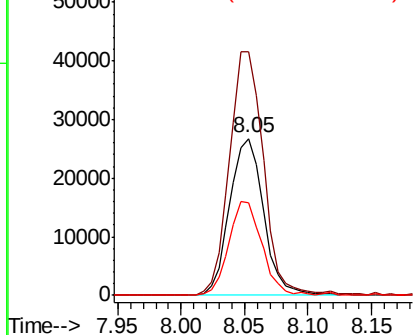
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

Instrument :
BNA_G
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	115.0	172.4
115	59.3	47.0	70.6



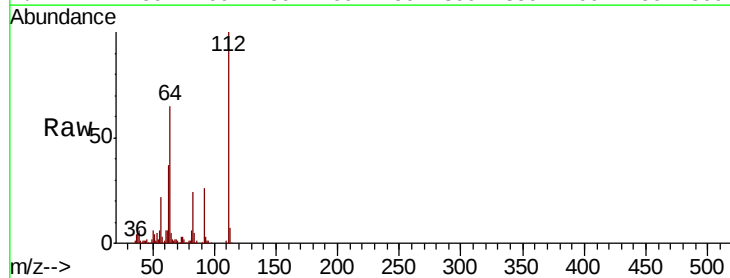
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



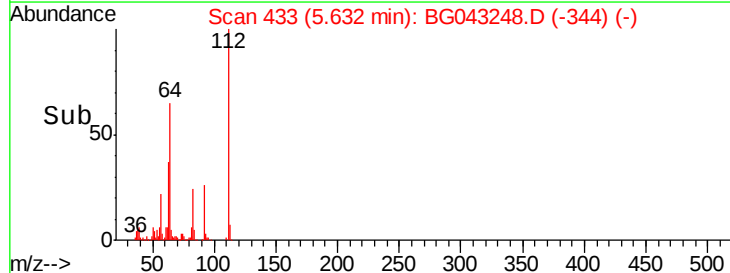
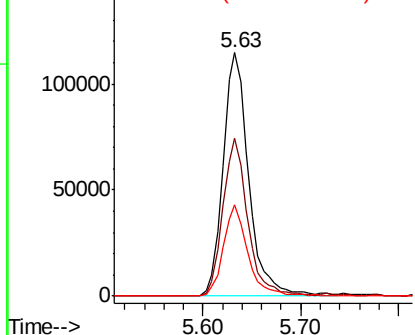
#5

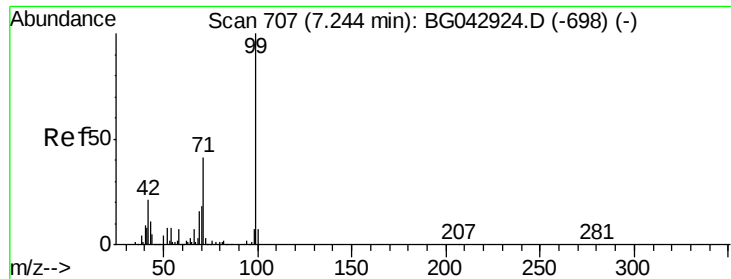
2-Fluorophenol
Concen: 75.314 ng
RT: 5.63 min Scan# 433
Delta R.T. -0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

Tgt Ion	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): BG0
Ion 63.00 (62.70 to 63.70): BG0





#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

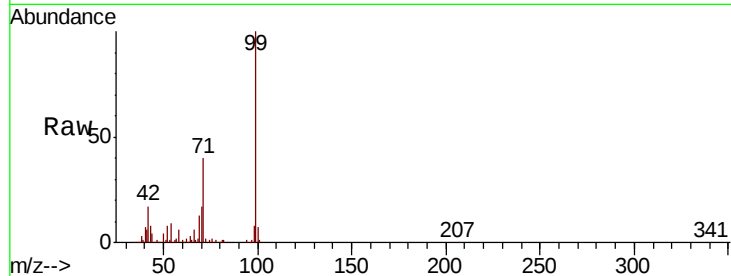
Tot Ion: 99 Resp: 186770

Ion Ratio Lower Upper

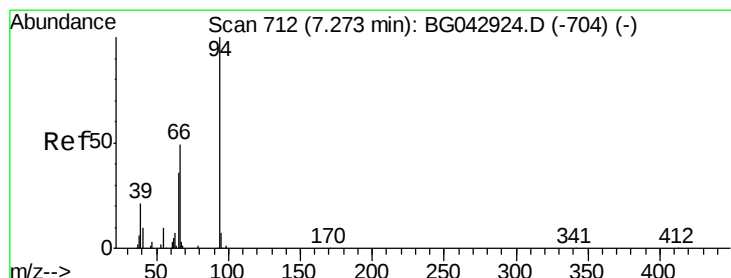
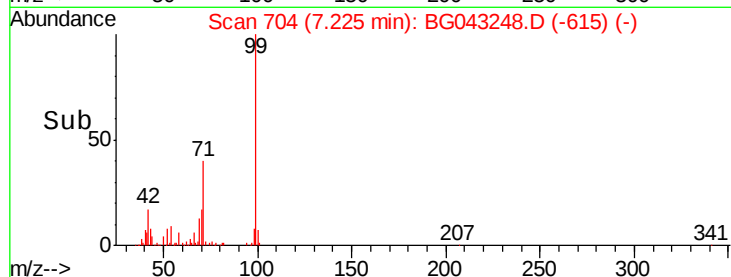
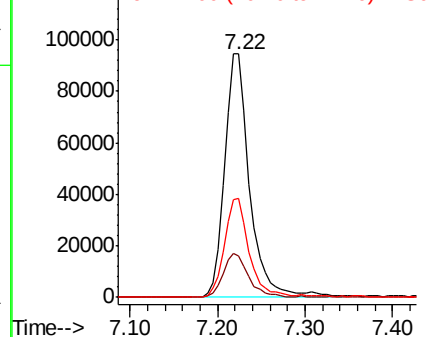
99 100

42 17.2 17.2 25.8#

71 40.5 33.1 49.7



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



#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

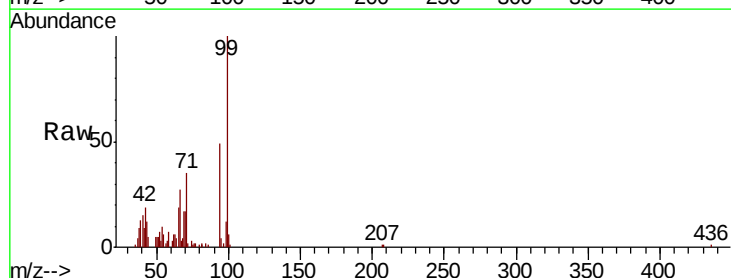
Tgt Ion: 94 Resp: 13848

Ion Ratio Lower Upper

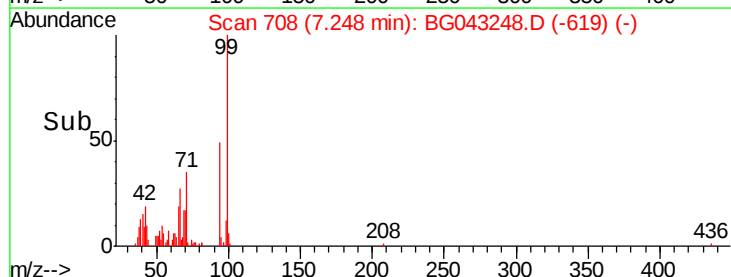
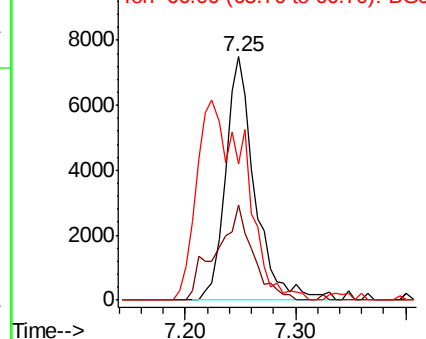
94 100

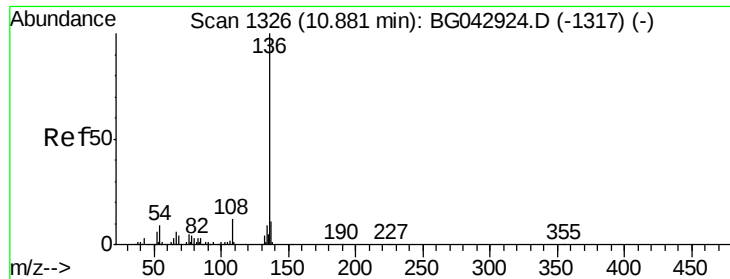
65 39.1 16.6 56.6

66 56.0 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#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

Instrument :

BNA_G

ClientSampleId :

KEARNY-TOPSOIL

Tot Ion:136 Resp: 178530

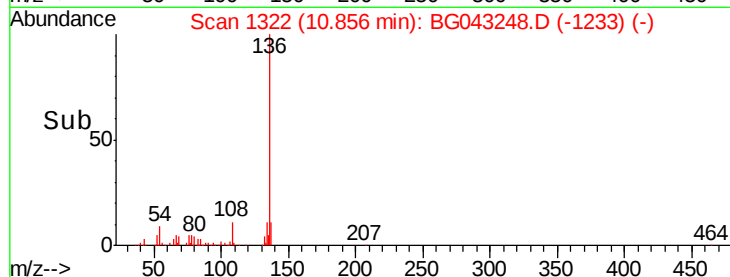
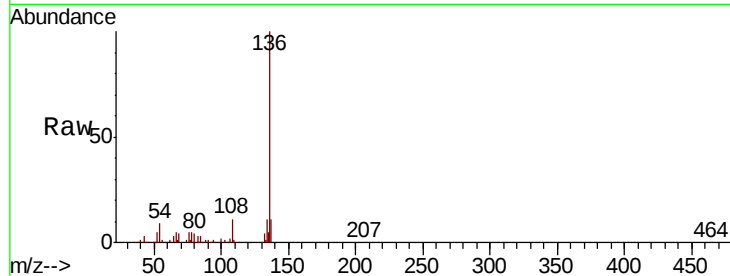
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 8.7 7.4 11.2

68 3.8 3.6 5.4

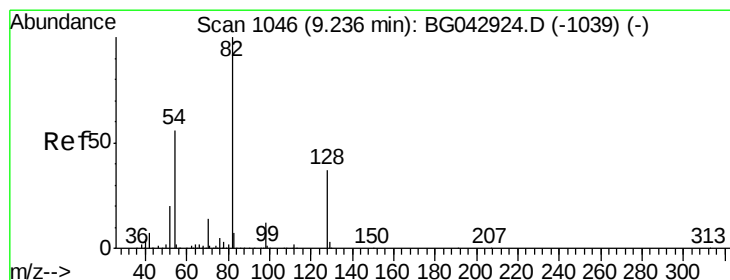
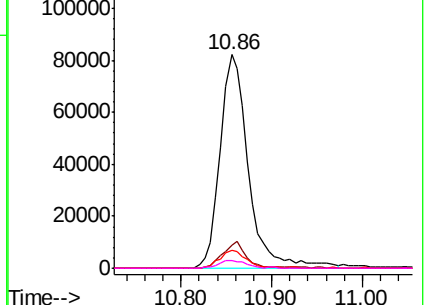


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#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

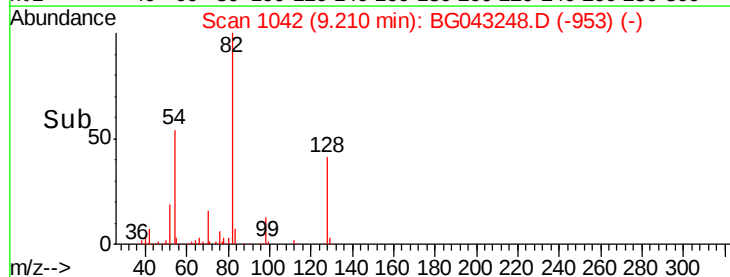
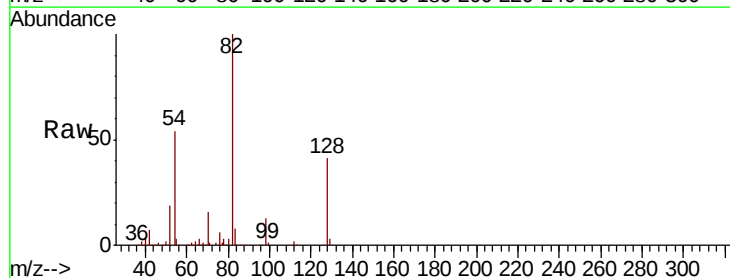
Tgt Ion: 82 Resp: 315339

Ion Ratio Lower Upper

82 100

128 40.9 29.5 44.3

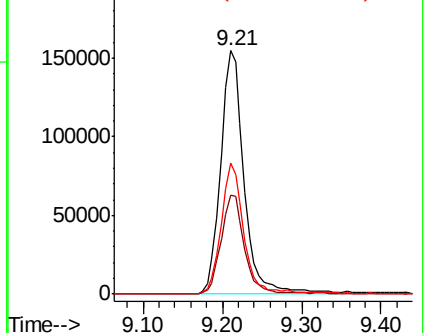
54 53.9 44.6 67.0

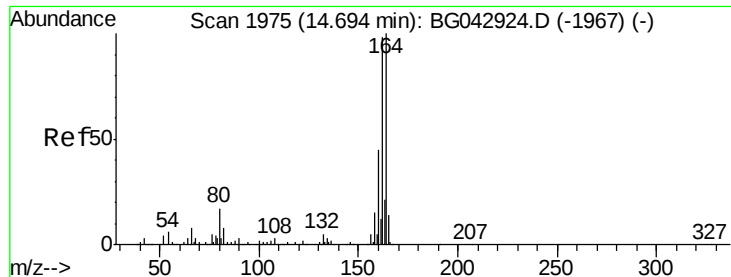


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#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

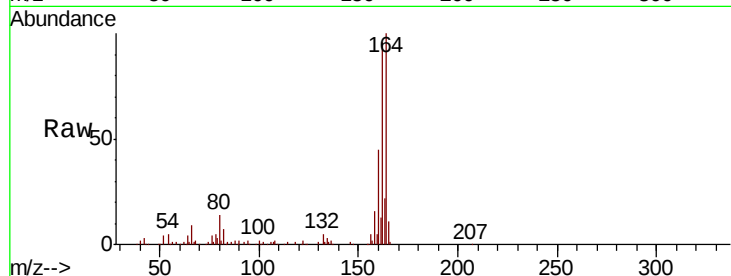
Tot Ion:164 Resp: 128002

Ion Ratio Lower Upper

164 100

162 96.3 78.5 117.7

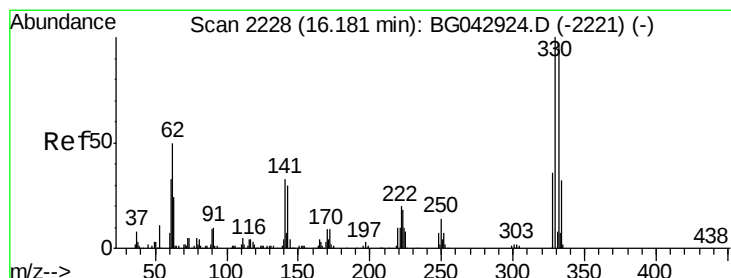
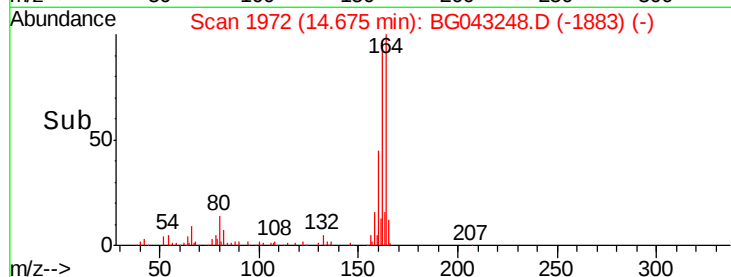
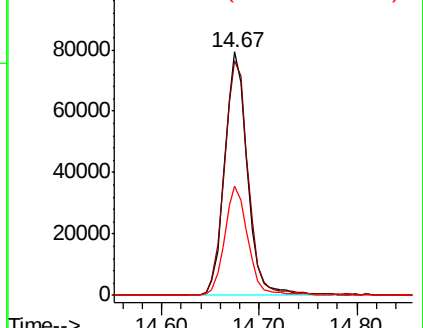
160 44.7 35.9 53.9



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

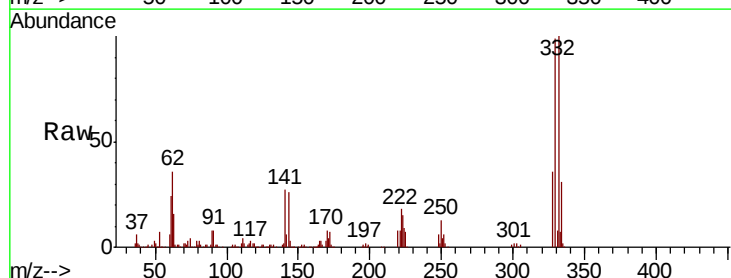
Tgt Ion:330 Resp: 306887

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.2

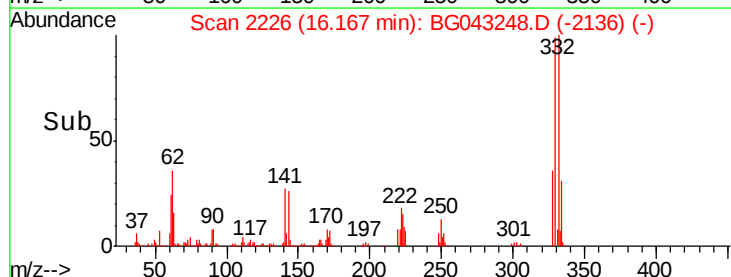
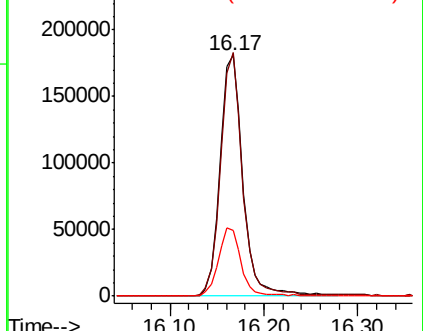
141 27.7 26.0 39.0

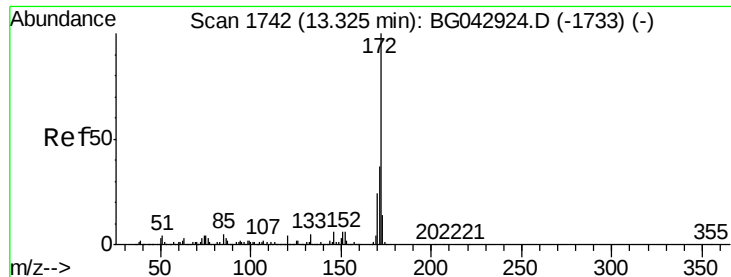


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

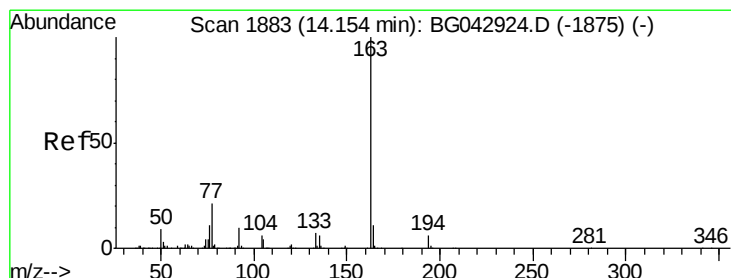
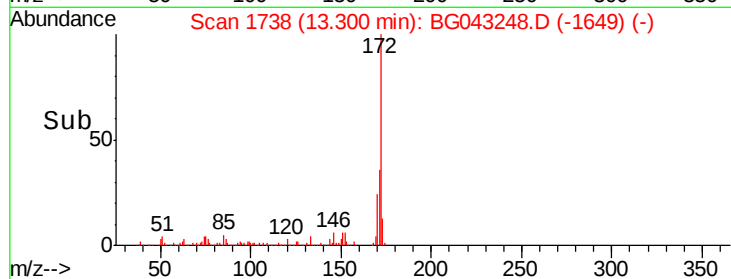
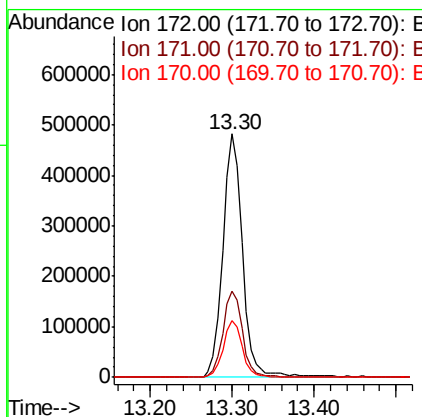
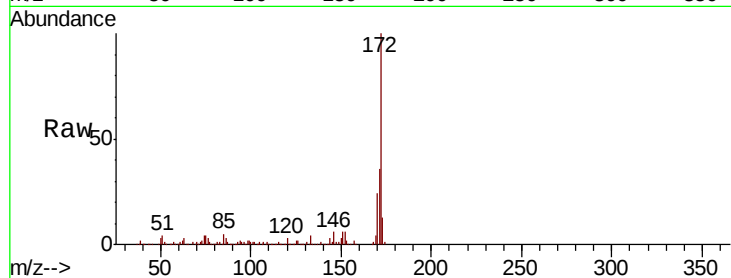




#45
2-Fluorobiphenyl
Concen: 91.400 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG043248.D
Acq: 16 Oct 2019 17:01

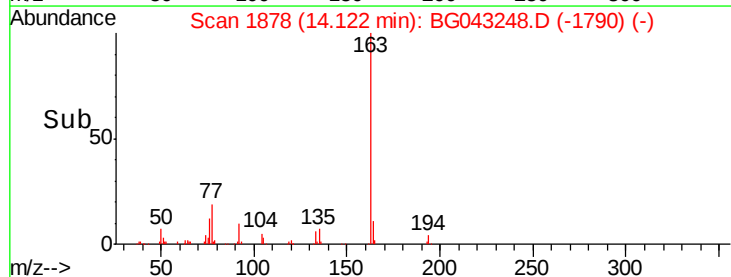
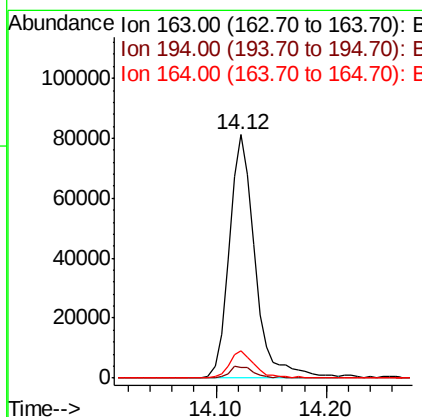
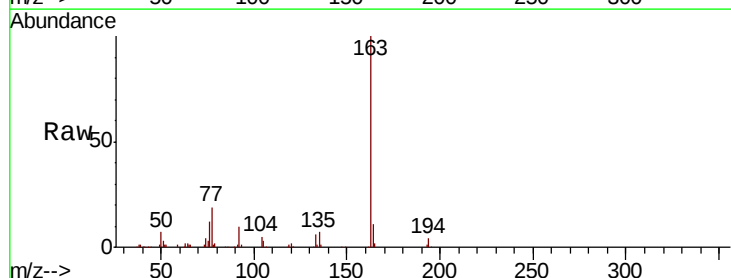
Instrument :
BNA_G
ClientSampleId :
KEARNY-TOPSOIL

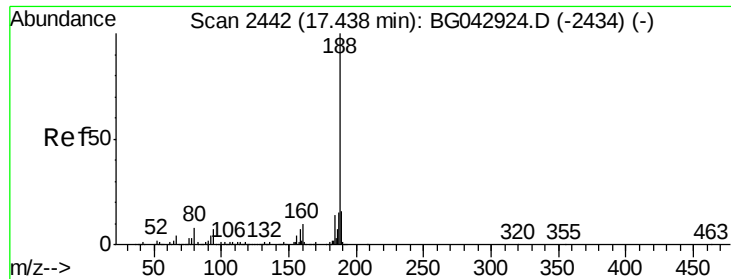
Tot Ion:172 Resp: 807020
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.5 19.6 29.4



#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





#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

Instrument :

BNA_G

ClientSampleId :

KEARNY-TOPSOIL

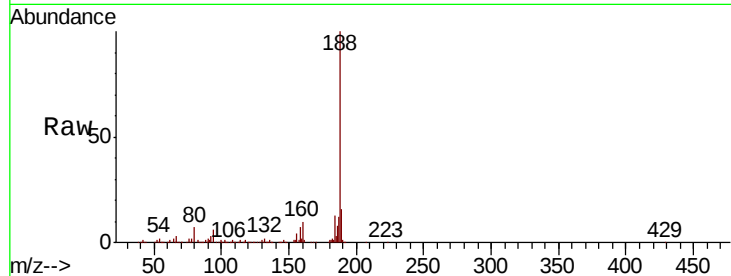
Tot Ion:188 Resp: 301913

Ion Ratio Lower Upper

188 100

94 5.6 5.7 8.5#

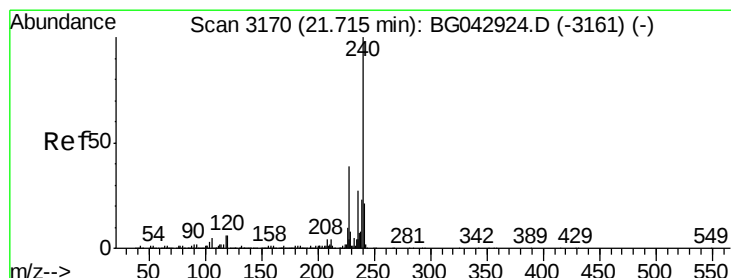
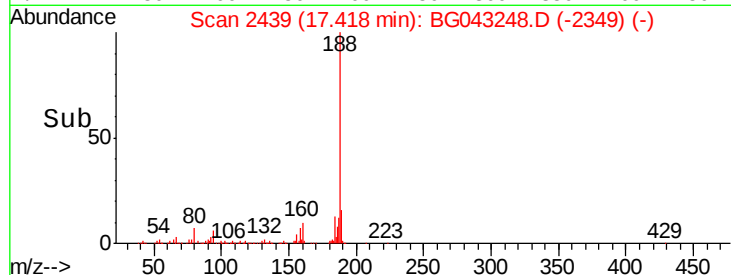
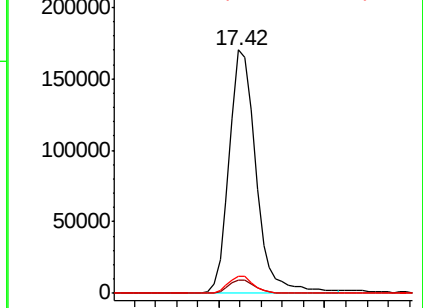
80 7.1 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#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

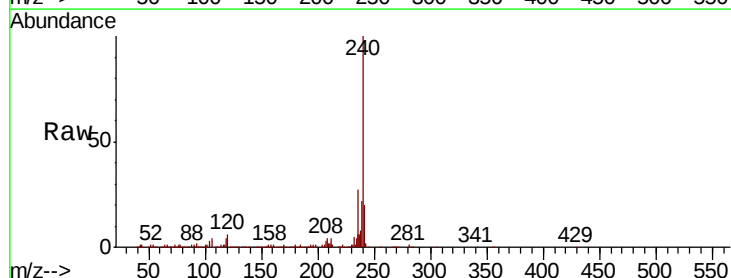
Tgt Ion:240 Resp: 350958

Ion Ratio Lower Upper

240 100

120 5.8 4.8 7.2

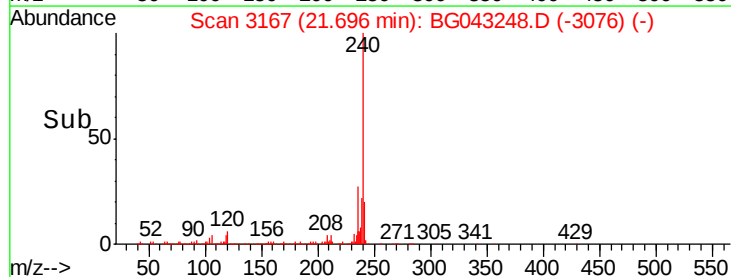
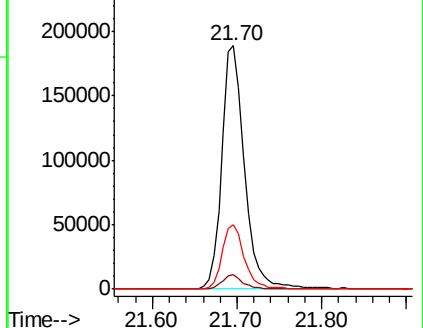
236 26.7 21.4 32.0

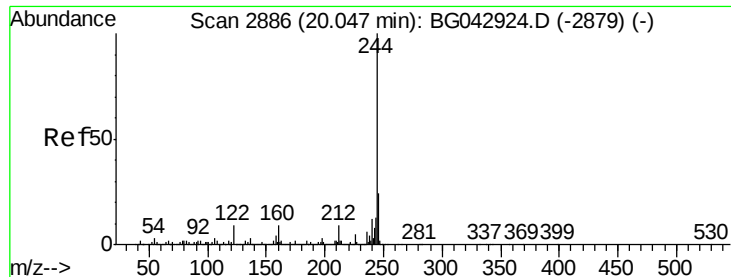


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#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

Instrument :

BNA_G

ClientSampleId :

KEARNY-TOPSOIL

Tot Ion:244 Resp: 1661971

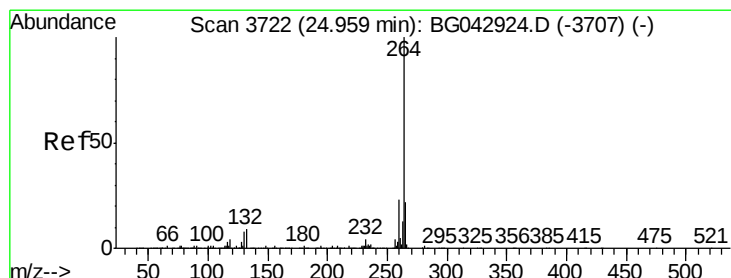
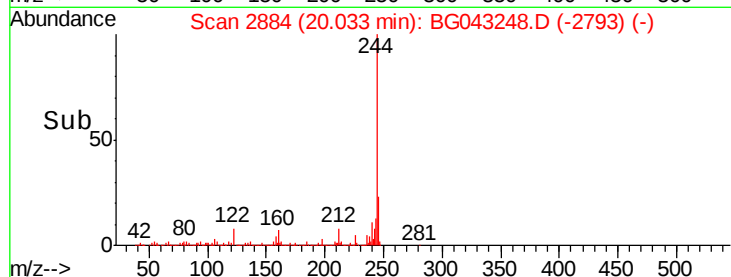
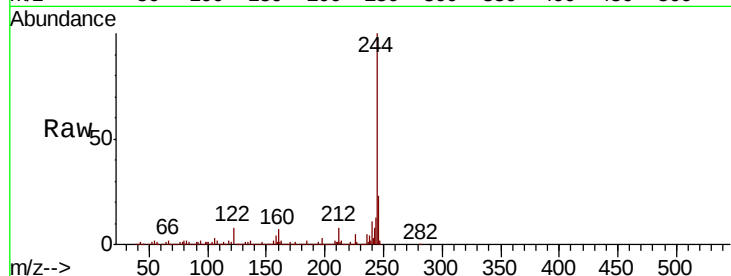
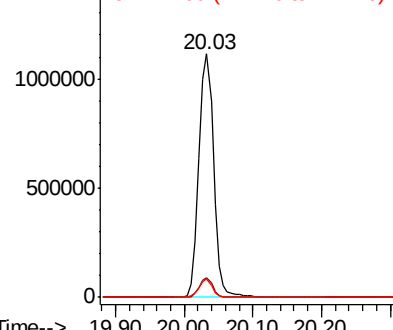
Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.4	11.0
122	7.6	7.0	10.4

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

Perylene-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

Tgt 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

