

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024095.D
 Acq On : 23 Sep 2016 20:03
 Operator : UM/SJ
 Sample : H4818-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Sep 24 00:25:04 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

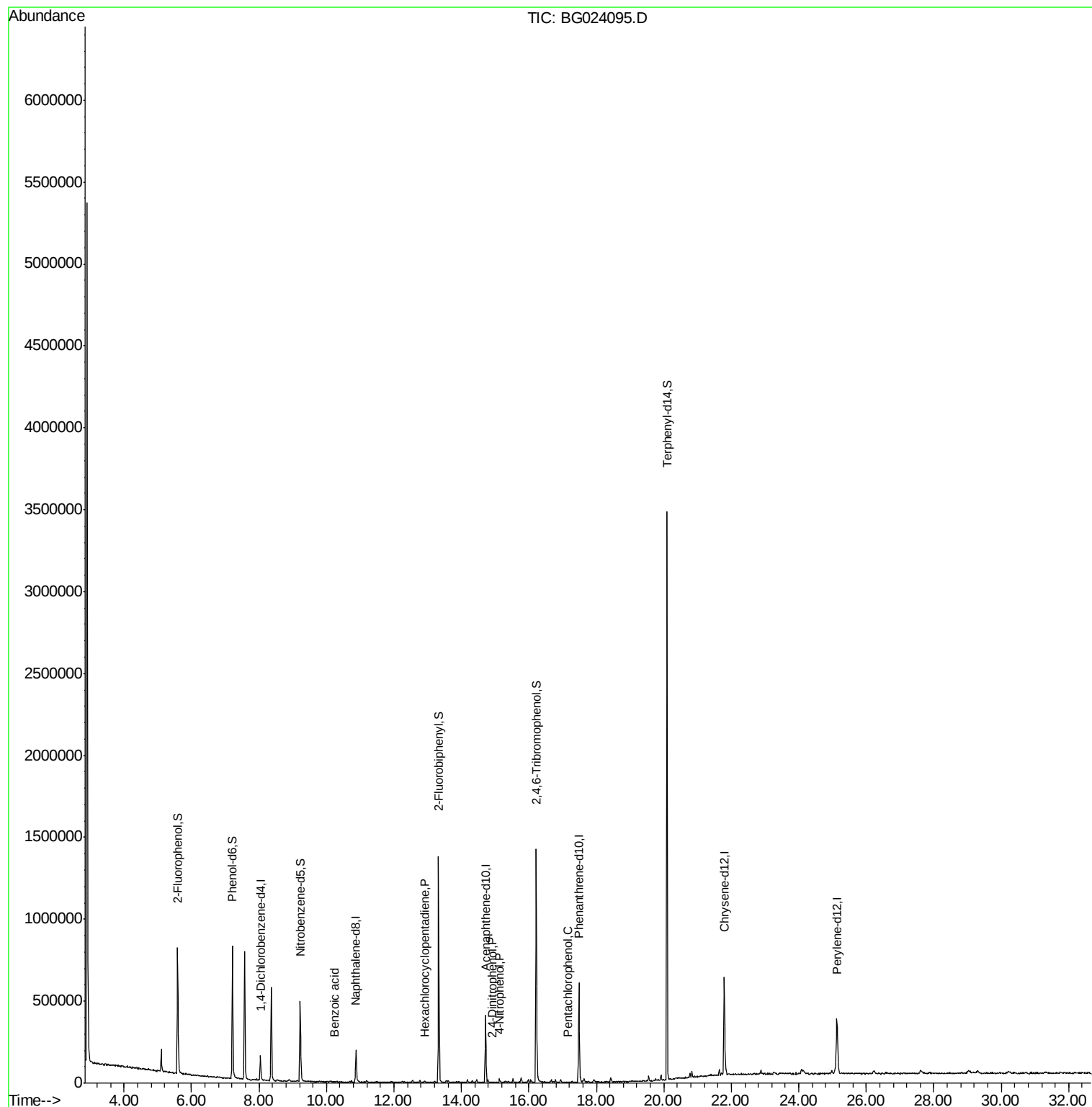
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39984	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	162909	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	144357	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	364675	20.00	ng	0.00
75) Chrysene-d12	21.80	240	416765	20.00	ng	0.00
86) Perylene-d12	25.13	264	397133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	300580	130.24	ng	0.00
7) Phenol-d6	7.21	99	464515	119.62	ng	0.00
23) Nitrobenzene-d5	9.22	82	336393	81.38	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	251848	121.37	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	694985	80.93	ng	0.00
78) Terphenyl-d14	20.09	244	1421542	69.84	ng	0.00
Target Compounds						
32) Benzoic acid	10.24	122	87	2.20	ng	# 1
40) Hexachlorocyclopentadiene	12.93	237	53	3.62	ng	# 26
53) 2,4-Dinitrophenol	14.90	184	59	2.50	ng	# 10
55) 4-Nitrophenol	15.13	139	3904	7.32	ng	# 1
69) Pentachlorophenol	17.15	266	81	3.59	ng	# 18

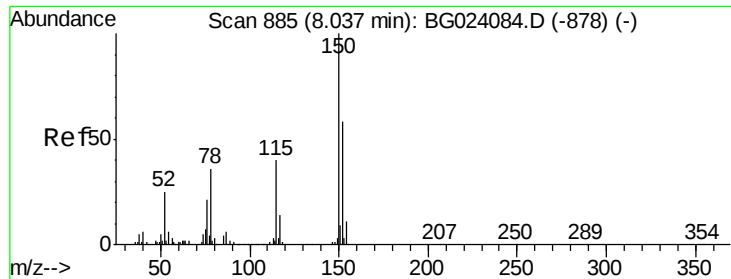
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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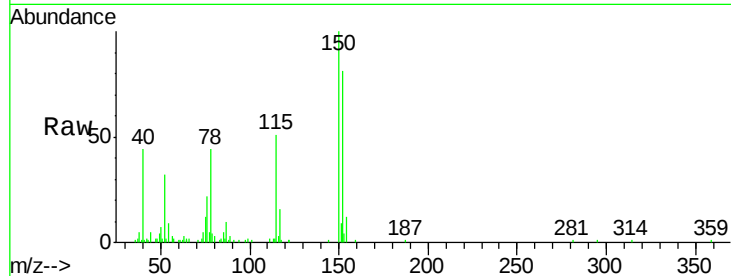


#1

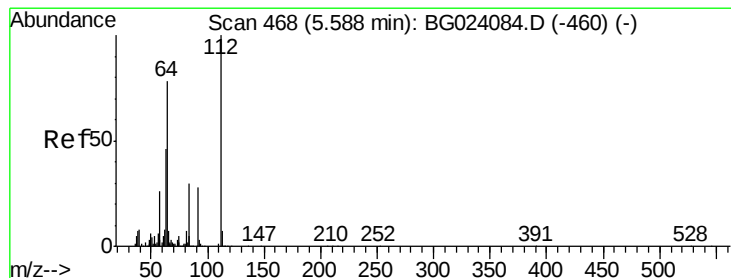
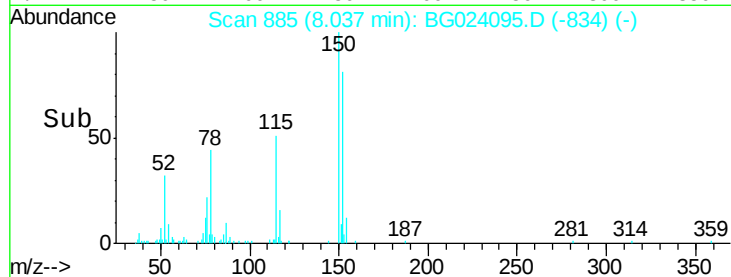
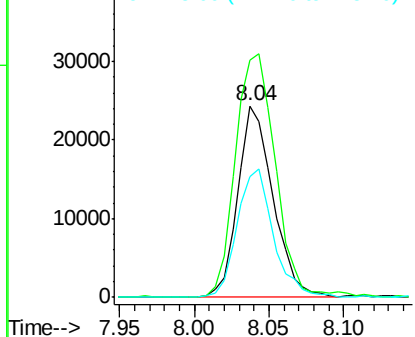
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 885
Delta R.T. 0.00 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

Instrument :
BNA_G
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LOD-SOIL2016-01-QT4

Tgt Ion:152 Resp: 39984
Ion Ratio Lower Upper
152 100
150 124.1 144.7 217.1#
115 62.9 64.0 96.0#



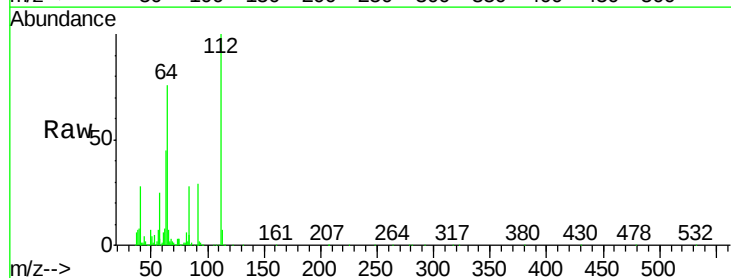
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



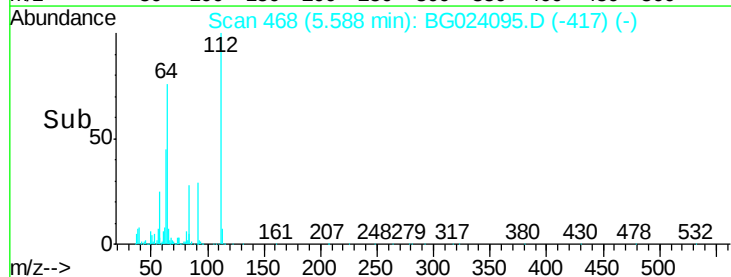
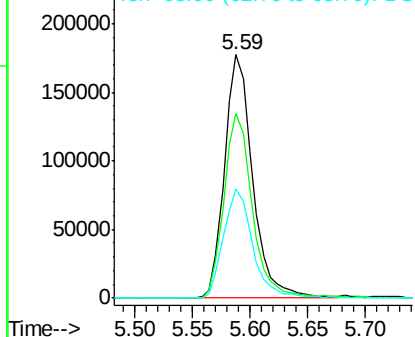
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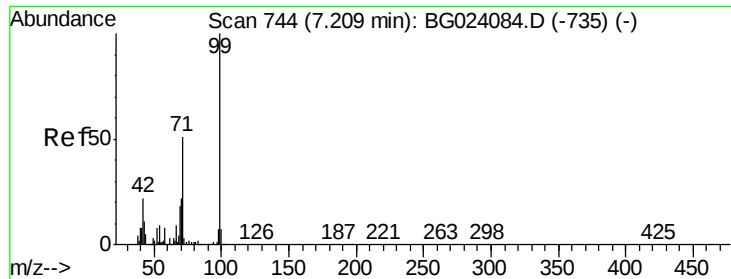
2-Fluorophenol
Concen: 130.24 ng
RT: 5.59 min Scan# 468
Delta R.T. 0.00 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

Tgt Ion:112 Resp: 300580
Ion Ratio Lower Upper
112 100
64 75.9 59.0 88.4
63 45.0 37.8 56.8



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: 119.62 ng

RT: 7.21 min Scan# 744

Delta R.T. 0.00 min

Lab File: BG024095.D

Acq: 23 Sep 2016 20:03

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

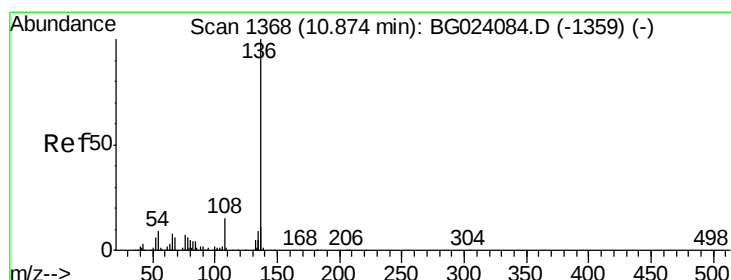
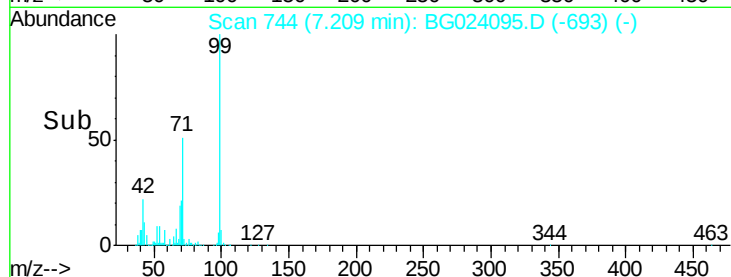
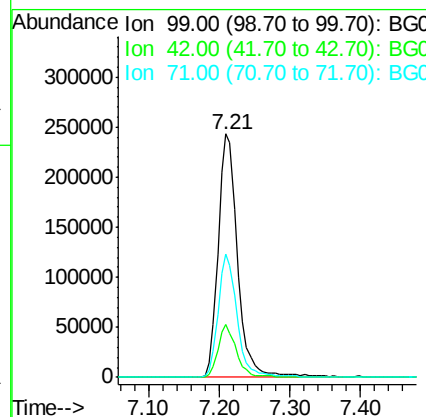
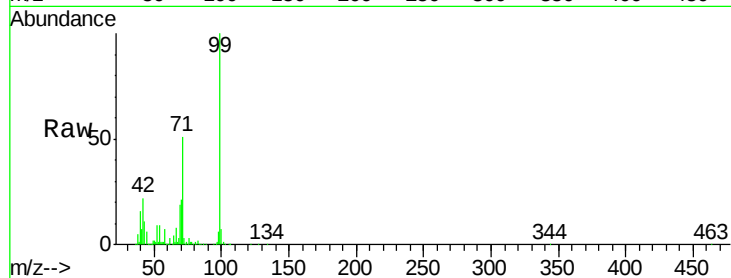
Tgt Ion: 99 Resp: 464515

Ion Ratio Lower Upper

99 100

42 21.9 17.8 26.6

71 50.8 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BG024095.D

Acq: 23 Sep 2016 20:03

Tgt Ion: 136 Resp: 162909

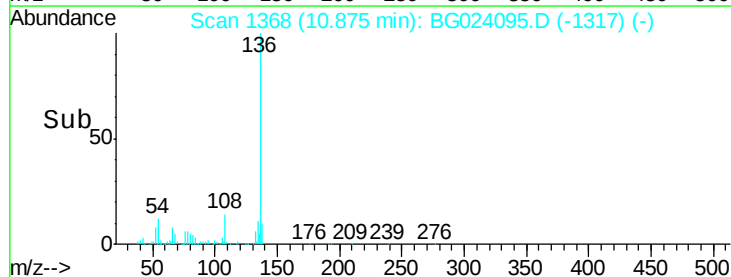
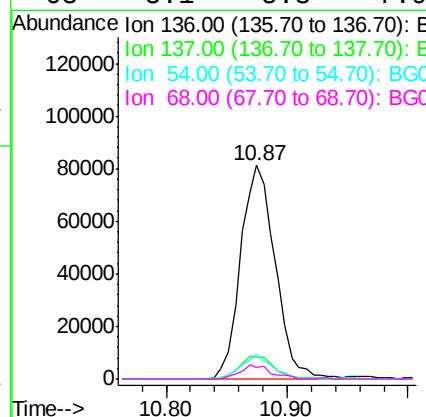
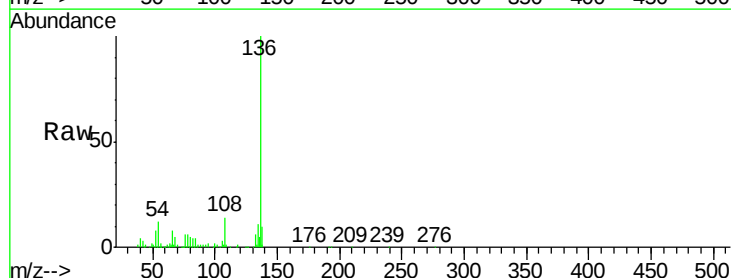
Ion Ratio Lower Upper

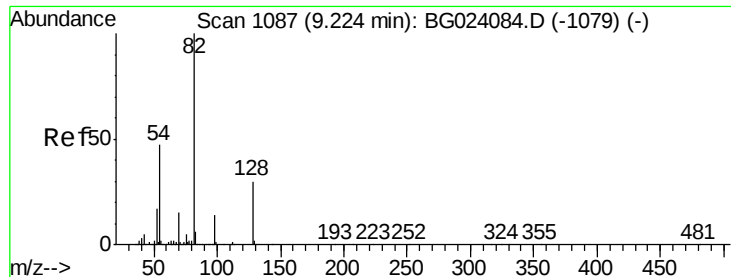
136 100

137 10.0 9.6 14.4

54 11.5 7.3 10.9#

68 5.1 5.3 7.9#

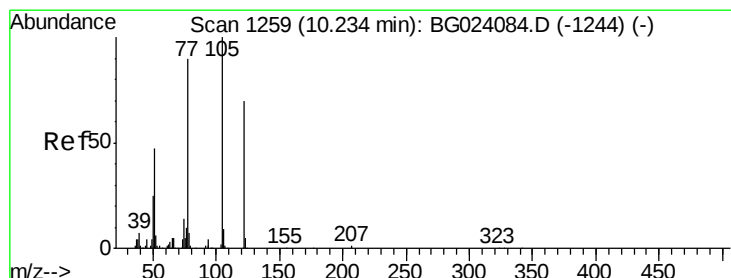
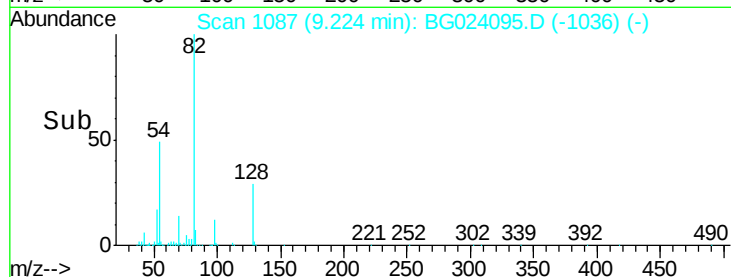
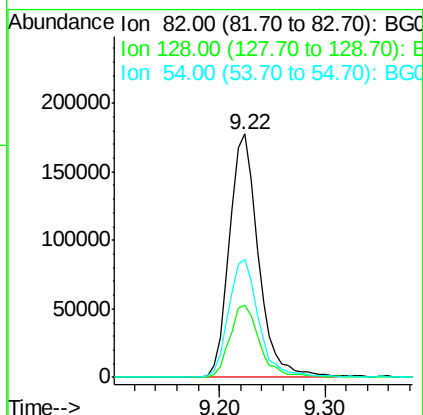
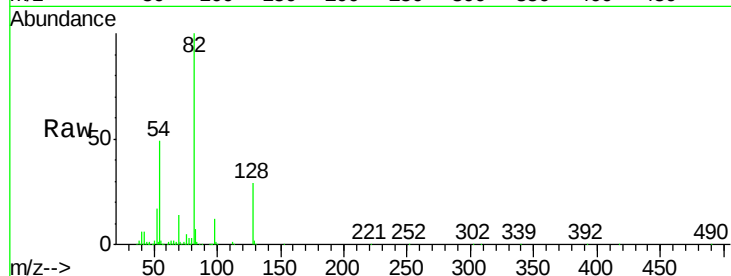




#23
 Nitrobenzene-d5
 Concen: 81.38 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: BG024095.D
 Acq: 23 Sep 2016 20:03

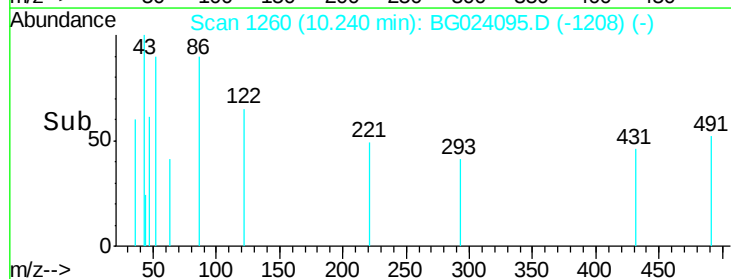
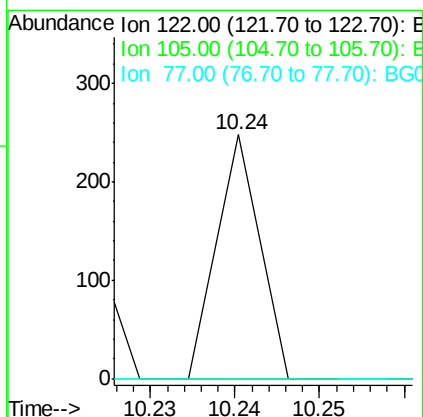
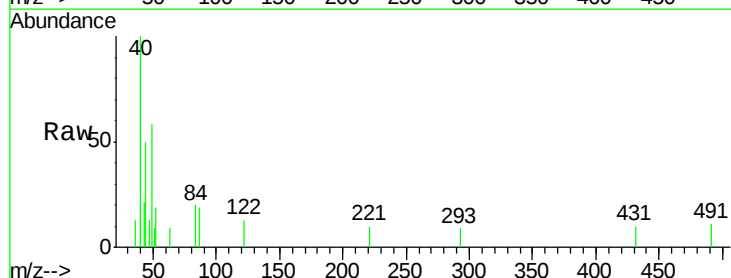
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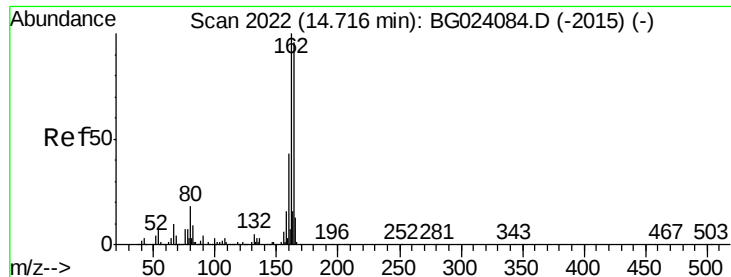
Tgt Ion	Ratio	Lower	Upper
82	100		
128	29.4	24.4	36.6
54	48.7	41.4	62.0



#32
 Benzoic acid
 Concen: 2.20 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: BG024095.D
 Acq: 23 Sep 2016 20:03

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	117.2	157.2#
77	0.0	109.2	149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG024095.D

Acq: 23 Sep 2016 20:03

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

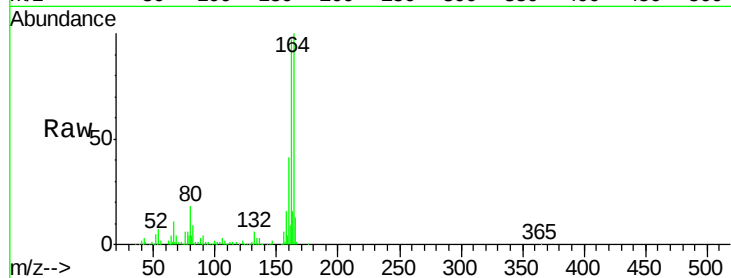
Tgt Ion:164 Resp: 144357

Ion Ratio Lower Upper

164 100

162 97.4 87.7 131.5

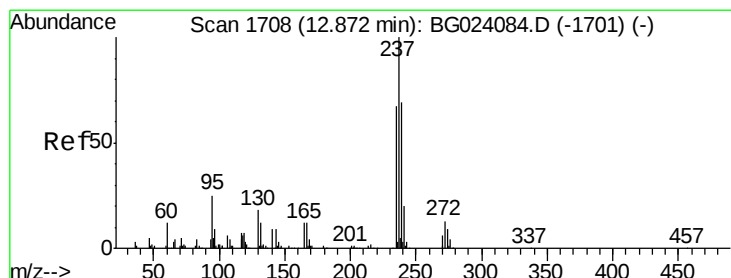
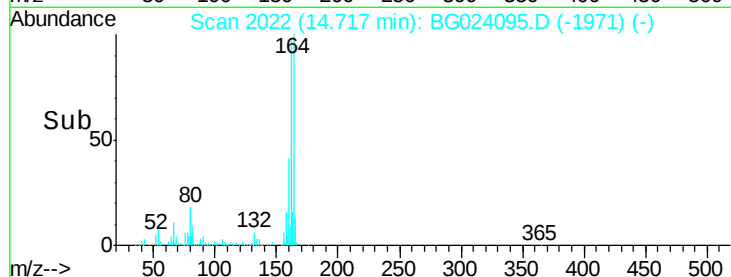
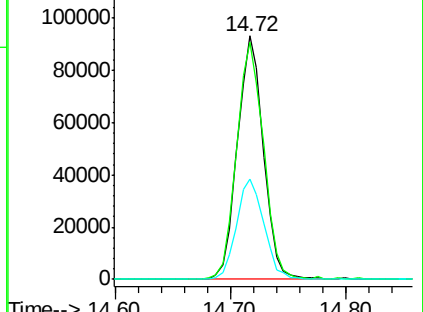
160 41.0 37.2 55.8



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

Hexachlorocyclopentadiene

Concen: 3.62 ng

RT: 12.93 min Scan# 1718

Delta R.T. 0.06 min

Lab File: BG024095.D

Acq: 23 Sep 2016 20:03

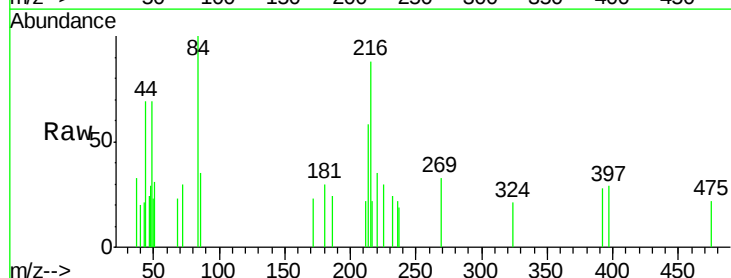
Tgt Ion:237 Resp: 53

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

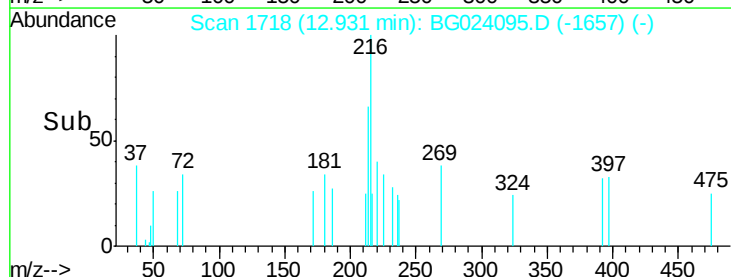
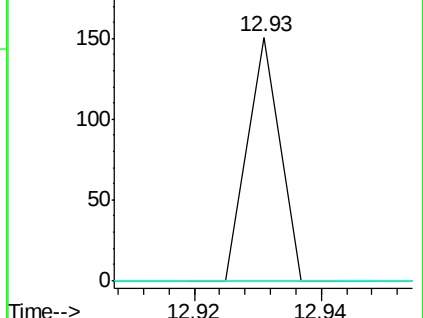
272 0.0 0.0 30.9

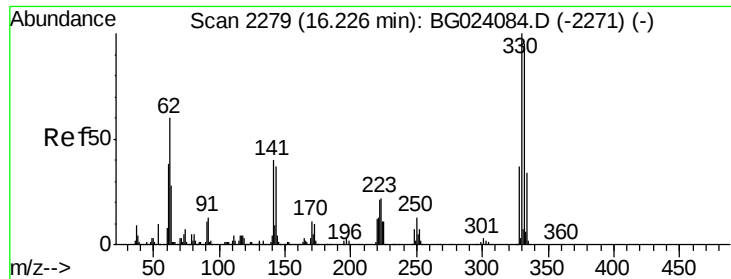


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

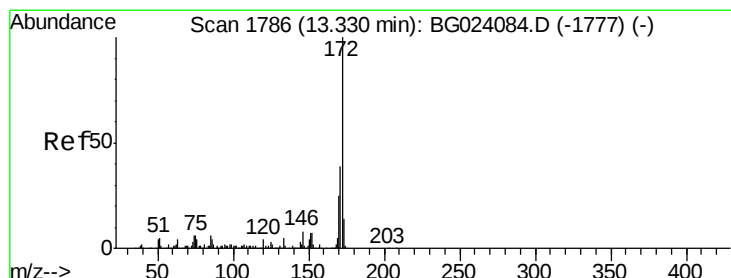
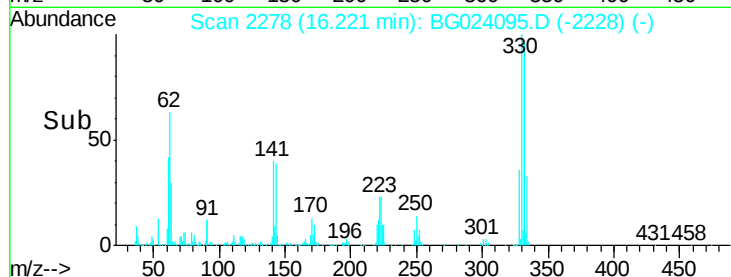
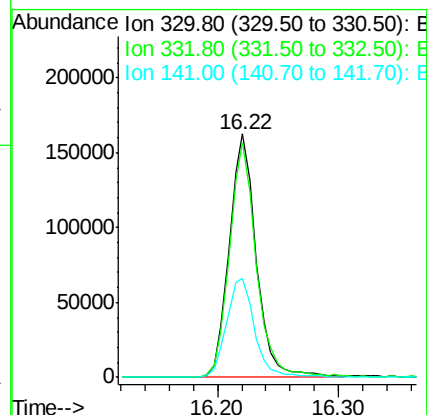
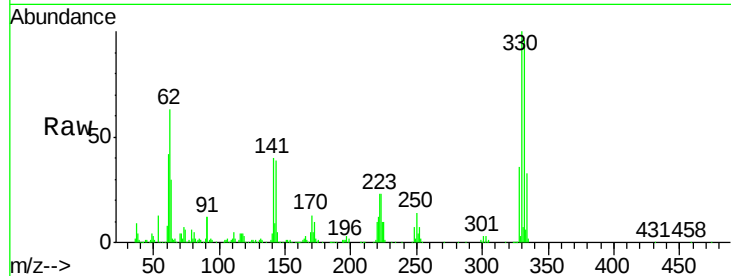




#41
 2,4,6-Tribromophenol
 Concen: 121.37 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024095.D
 Acq: 23 Sep 2016 20:03

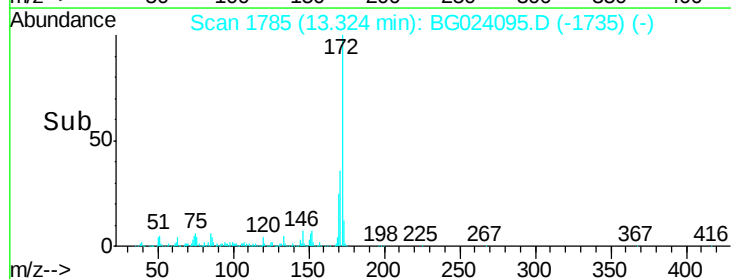
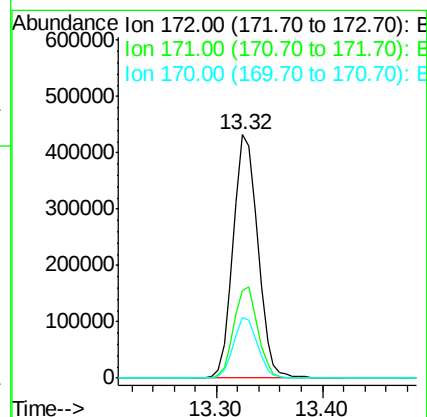
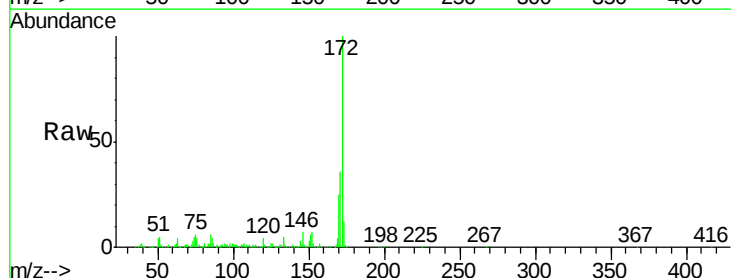
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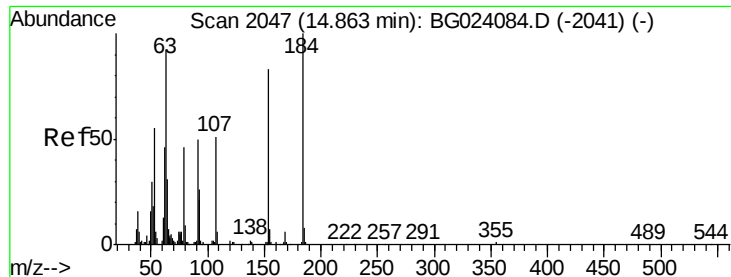
Tgt Ion:330 Resp: 251848
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 42.4 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 80.93 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024095.D
 Acq: 23 Sep 2016 20:03

Tgt Ion:172 Resp: 694985
 Ion Ratio Lower Upper
 172 100
 171 36.1 31.6 47.4
 170 24.8 21.3 31.9

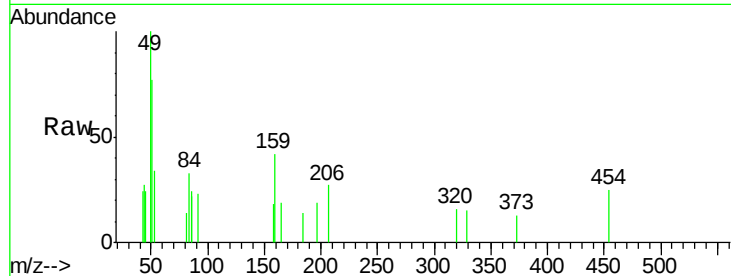




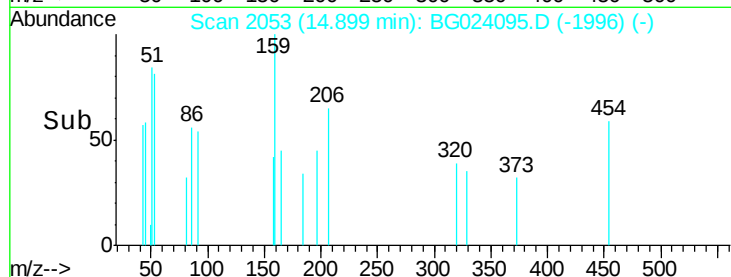
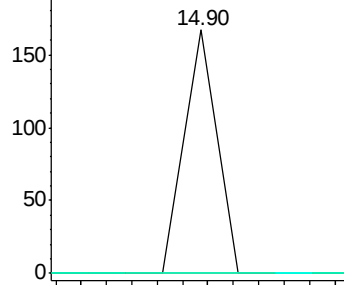
#53
2,4-Dinitrophenol
Concen: 2.50 ng
RT: 14.90 min Scan# 2053
Delta R.T. 0.04 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

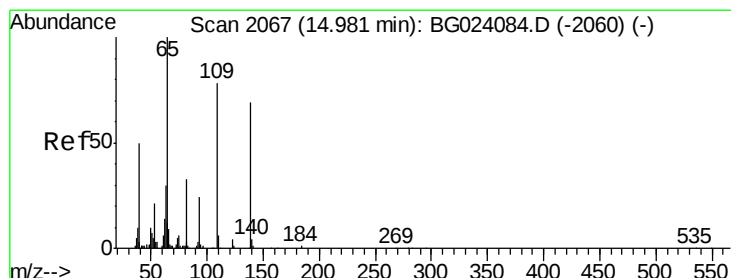
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 59.6 89.4#
154 0.0 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

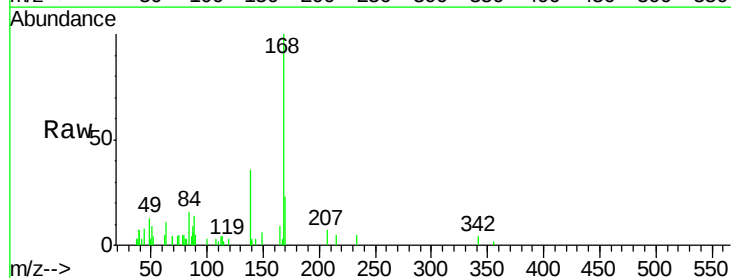


Time-->

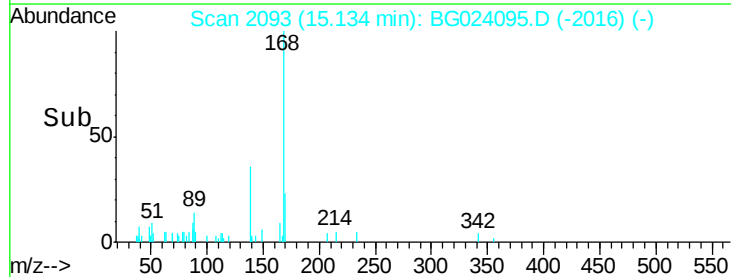
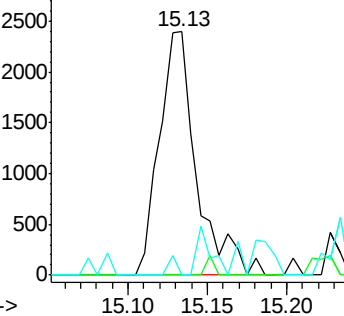


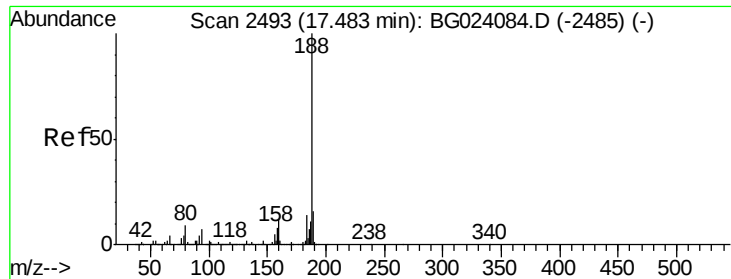
#55
4-Nitrophenol
Concen: 7.32 ng
RT: 15.13 min Scan# 2093
Delta R.T. 0.15 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

Tgt Ion:139 Resp: 3904
Ion Ratio Lower Upper
139 100
109 0.0 103.0 143.0#
65 0.0 112.7 152.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

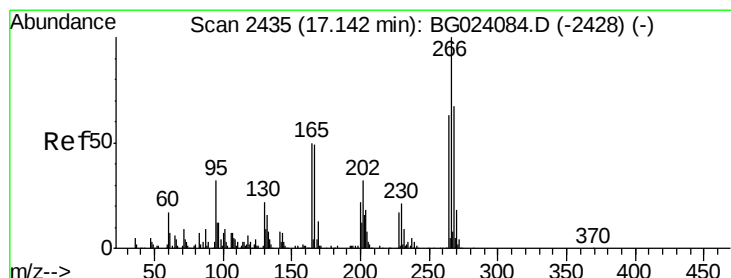
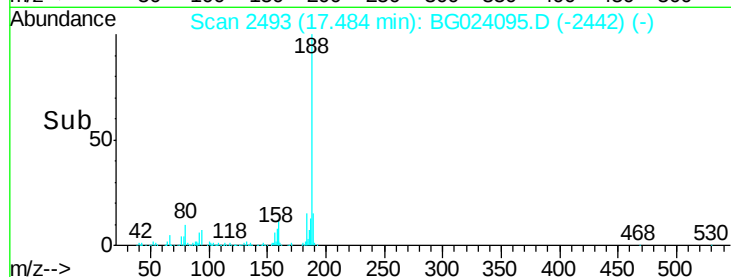
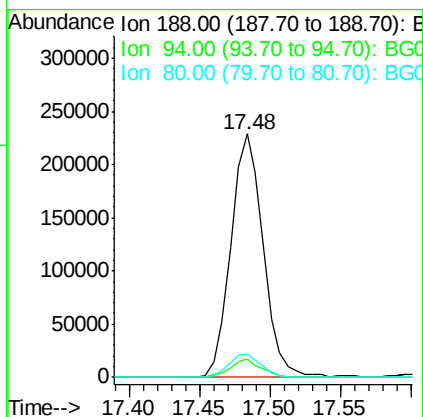
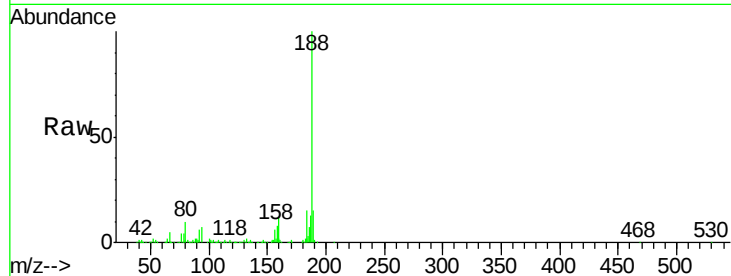




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. 0.00 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

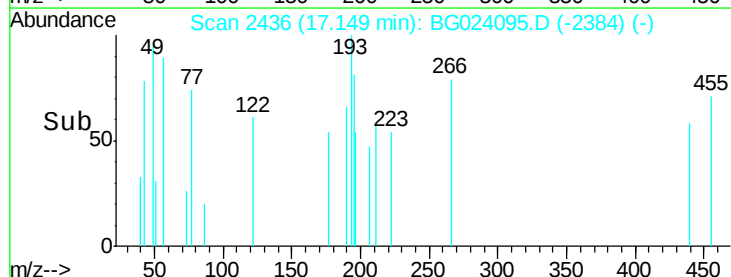
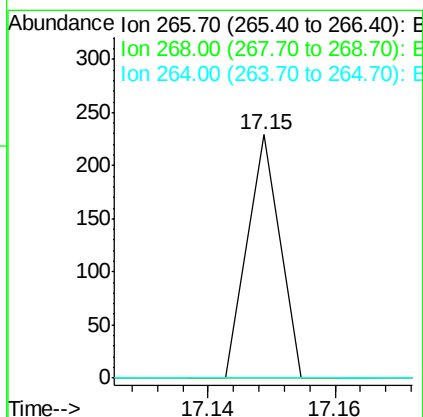
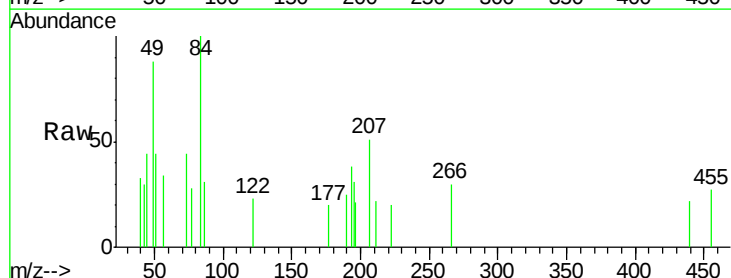
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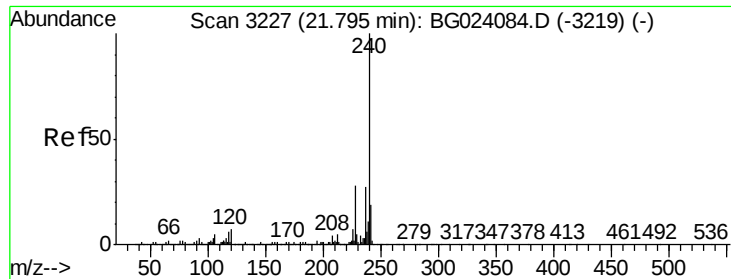
Tgt Ion:188 Resp: 364675
Ion Ratio Lower Upper
188 100
94 7.3 5.2 7.8
80 9.7 7.2 10.8



#69
Pentachlorophenol
Concen: 3.59 ng
RT: 17.15 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

Tgt Ion:266 Resp: 81
Ion Ratio Lower Upper
266 100
268 0.0 51.9 77.9#
264 0.0 50.6 75.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.80 min Scan# 3227

Delta R.T. 0.00 min

Lab File: BG024095.D

Acq: 23 Sep 2016 20:03

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

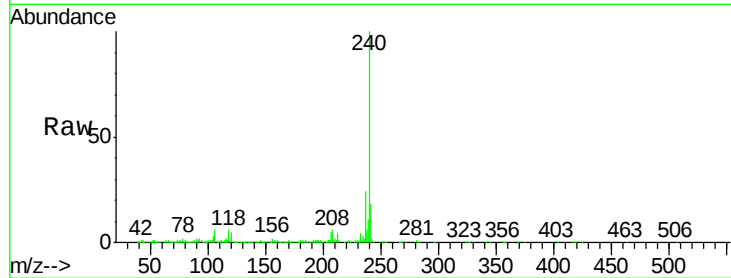
Tgt Ion:240 Resp: 416765

Ion Ratio Lower Upper

240 100

120 5.3 4.1 6.1

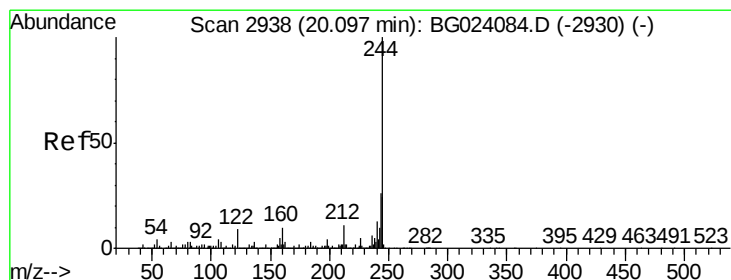
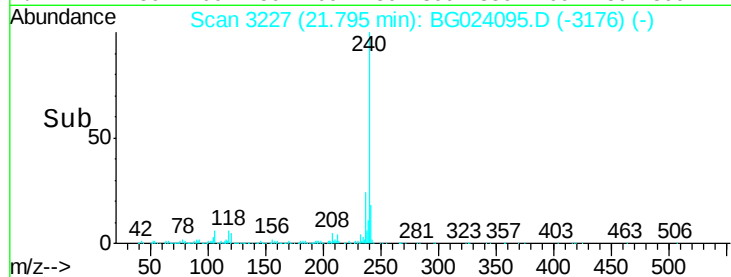
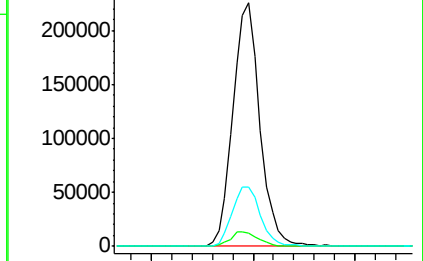
236 24.4 21.1 31.7



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



#78

Terphenyl-d14

Concen: 69.84 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024095.D

Acq: 23 Sep 2016 20:03

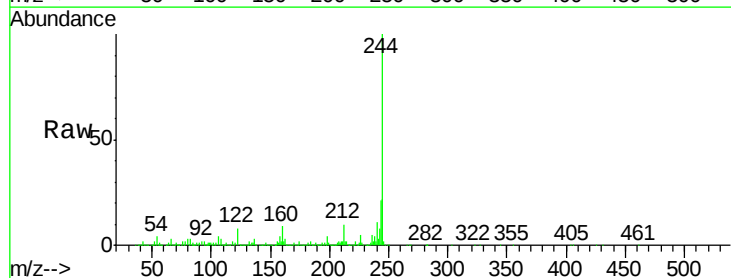
Tgt Ion:244 Resp: 1421542

Ion Ratio Lower Upper

244 100

212 10.1 10.8 16.2#

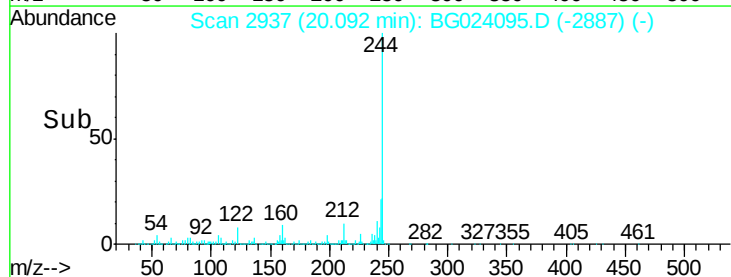
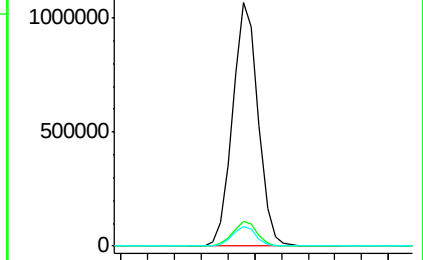
122 8.1 8.0 12.0

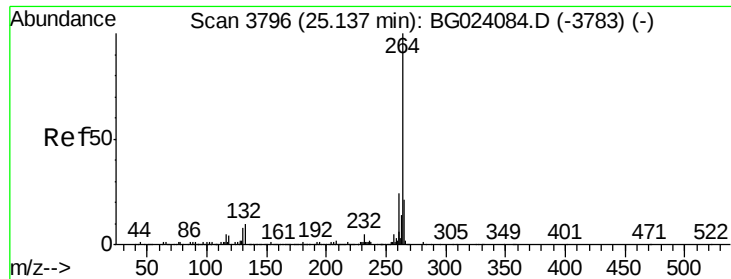


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

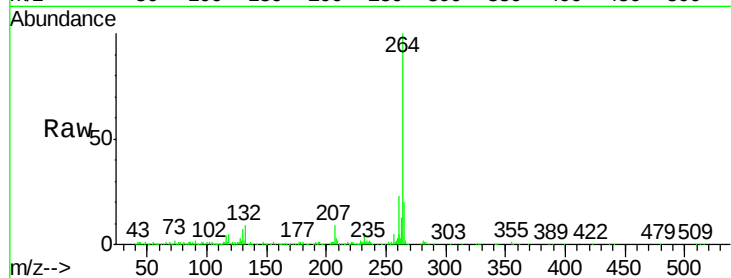




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG024095.D
Acq: 23 Sep 2016 20:03

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:	264	Resp:	397133
Ion Ratio		Lower	Upper
264	100		
260	23.3	18.4	27.6
265	20.4	18.9	28.3



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

