

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\
 Data File : BG045017.D
 Acq On : 16 Apr 2020 22:10
 Operator : CG/JU
 Sample : L2279-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONE-POTHEAD

Quant Time: Apr 17 04:39:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

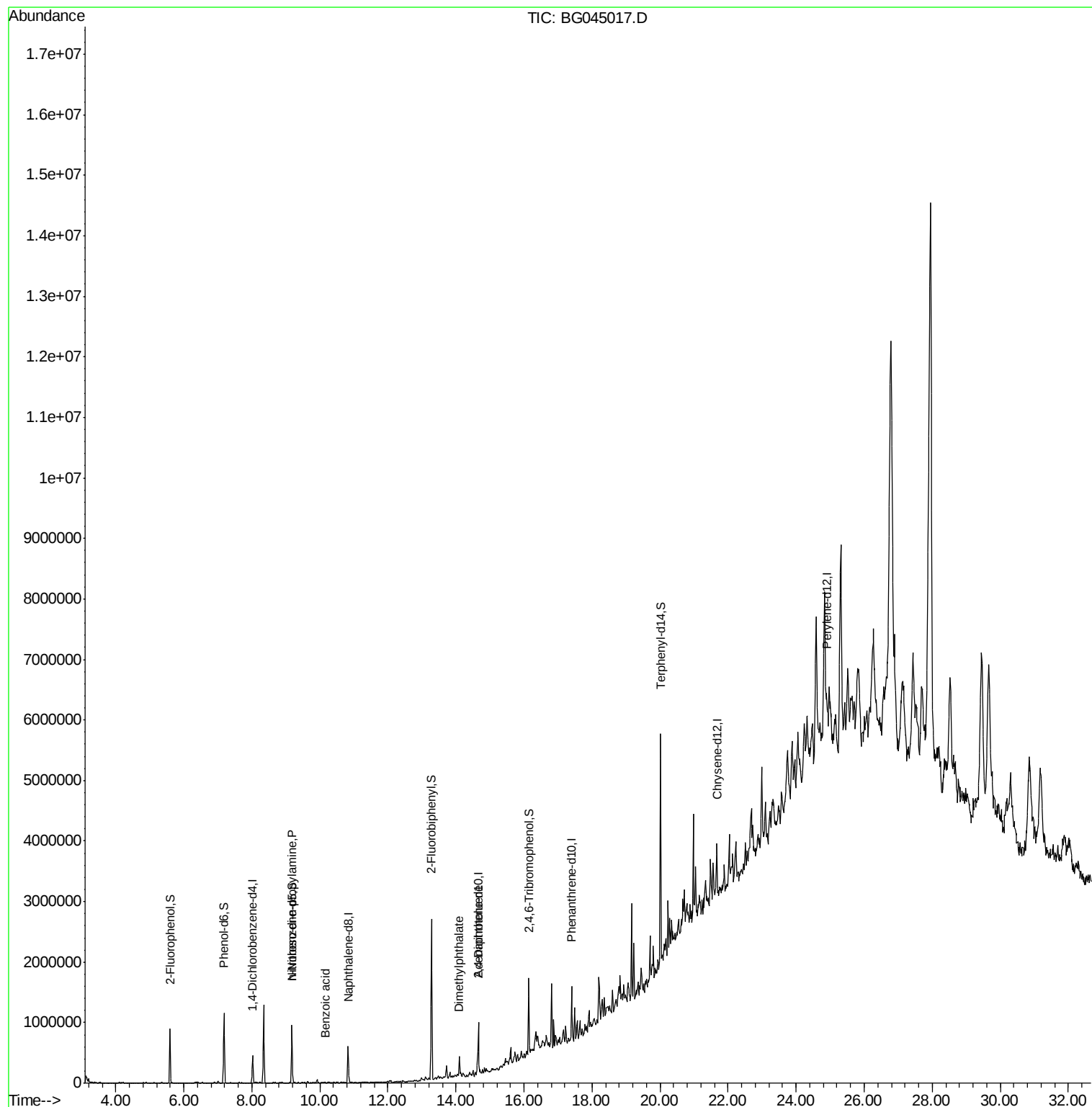
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	134683	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	531273	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	320487	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	604153	20.00	ng	0.00
76) Chrysene-d12	21.67	240	576154	20.00	ng	0.00
87) Perylene-d12	24.90	264	620888	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	450136	55.18	ng	0.00
7) Phenol-d6	7.18	99	776705	64.08	ng	0.00
23) Nitrobenzene-d5	9.18	82	663632	57.00	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	259759	52.46	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1430079	65.43	ng	0.00
79) Terphenyl-d14	20.02	244	1709958	64.69	ng	0.00
Target Compounds						
9) Benzaldehyde	7.16	77	2801	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	9.18	70	85550	9.980 ng	#	79
32) Benzoic acid	10.17	122	146	6.393 ng	#	26
50) Dimethylphthalate	14.10	163	201958	7.739 ng	#	99
57) 2,4-Dinitrotoluene	14.66	165	44879	5.261 ng	#	23
69) Atrazine	16.87	200	652	Below Cal	#	30
74) Di-n-butylphthalate	18.36	149	8712	Below Cal	#	74
75) Fluoranthene	19.45	202	42482	Below Cal	#	92
77) Benzidine	19.65	184	1367	Below Cal	#	1

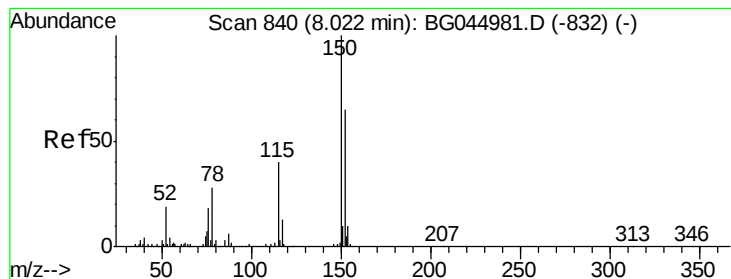
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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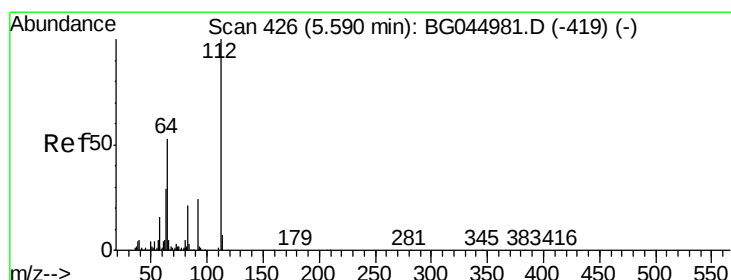
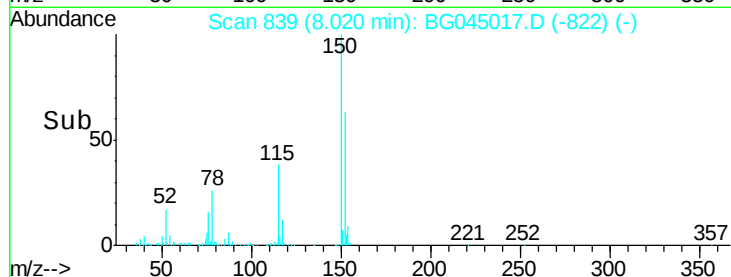
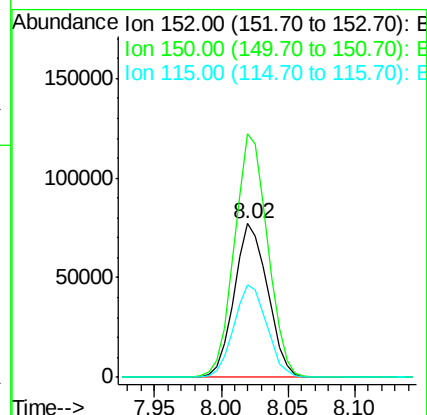
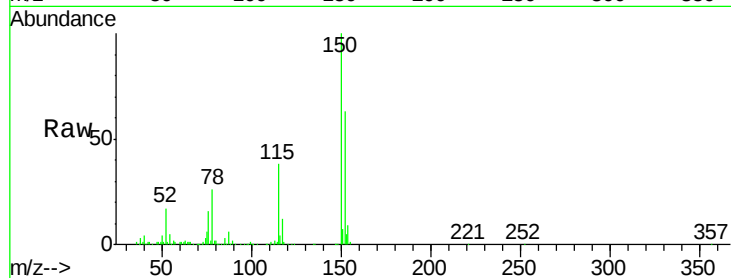


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Instrument :
BNA_G
ClientSampleId :
OILY-STONE-POTHEAD

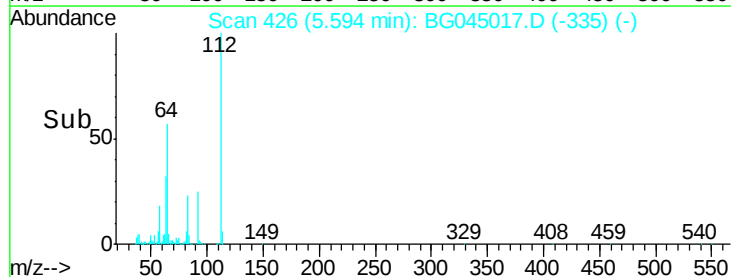
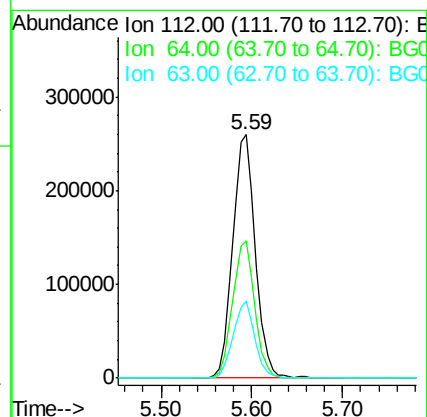
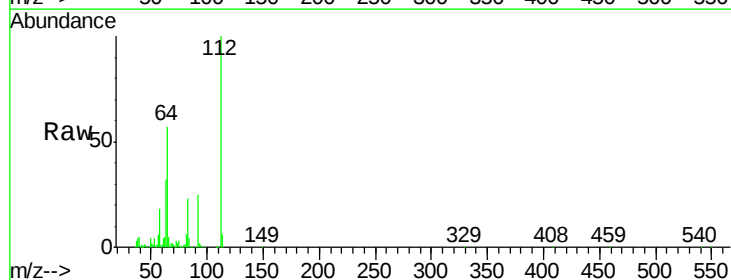
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.6	185.4
115	60.2	49.1	73.7

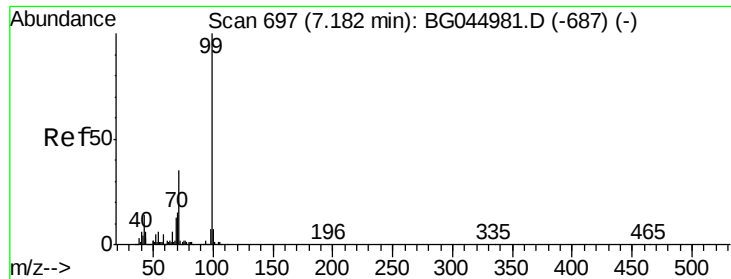


#5

2-Fluorophenol
Concen: 55.178 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	42.4	63.6
63	31.9	23.1	34.7





#7

Phenol-d6

Concen: 64.081 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

Instrument :

BNA_G

ClientSampleId :

OILY-STONE-POTHEAD

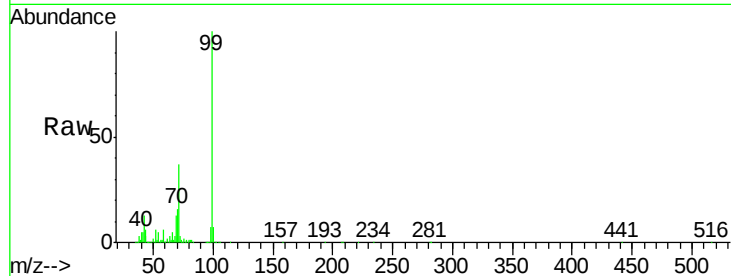
Tot Ion: 99 Resp: 776705

Ion Ratio Lower Upper

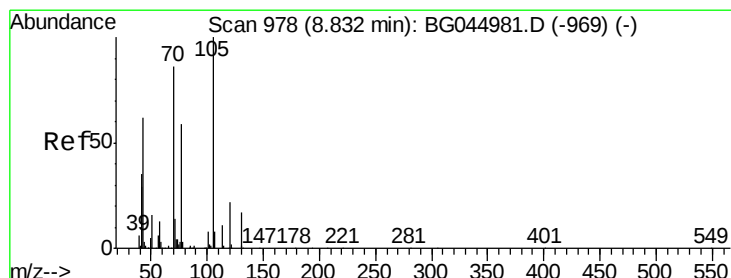
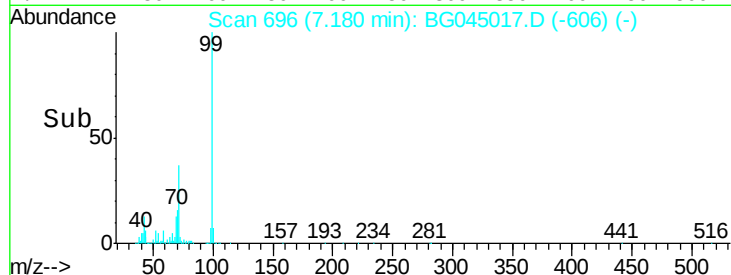
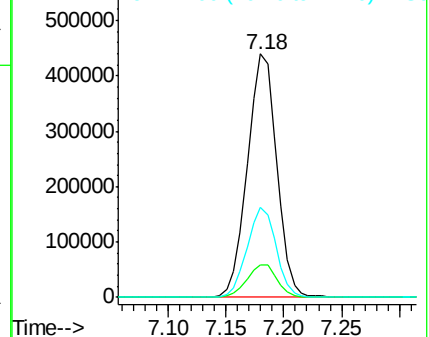
99 100

42 13.1 11.3 16.9

71 36.8 28.3 42.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.980 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

Tgt Ion: 70 Resp: 85550

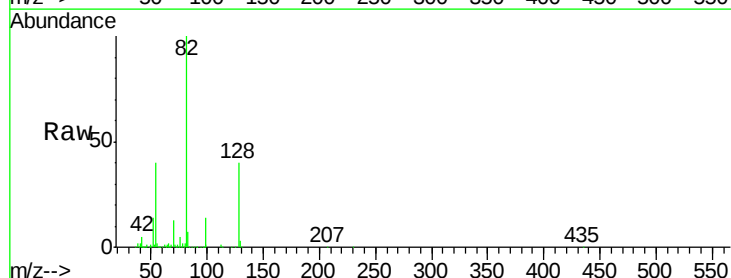
Ion Ratio Lower Upper

70 100

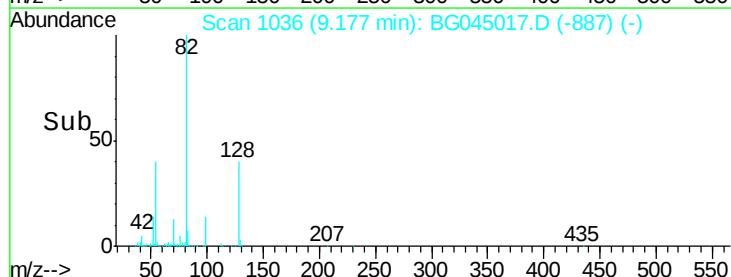
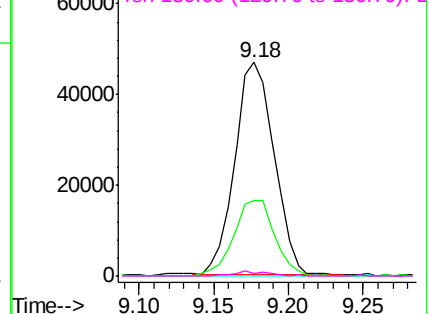
42 35.5 33.3 49.9

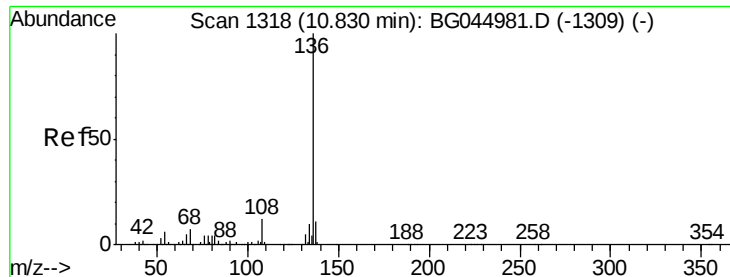
101 0.0 7.8 11.8#

130 1.3 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

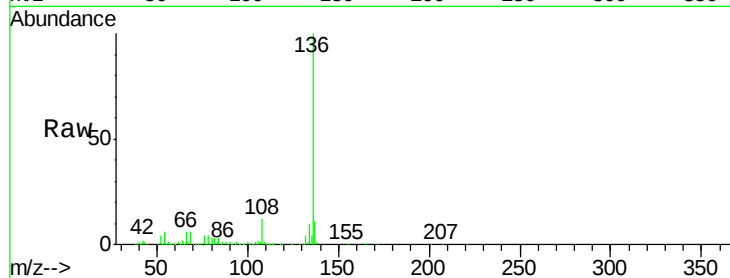




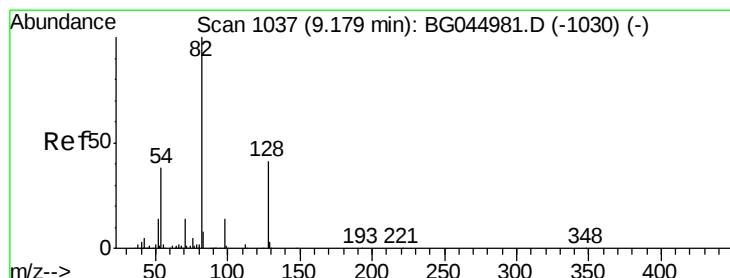
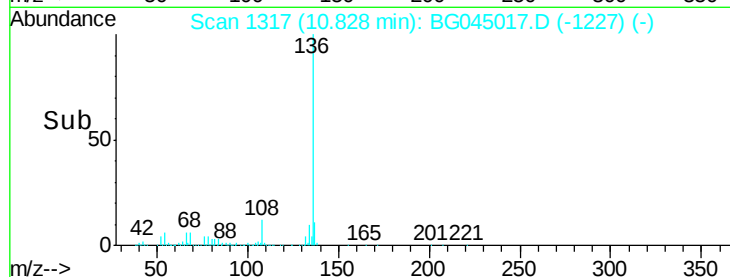
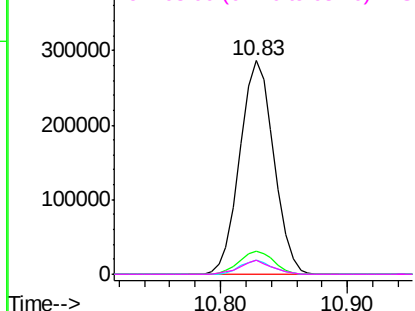
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Instrument :
BNA_G
ClientSampleId :
OILY-STONE-POTHEAD

Tot Ion:136	Resp:	531273
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.6	13.0
54 6.3	4.8	7.2
68 6.4	5.2	7.8

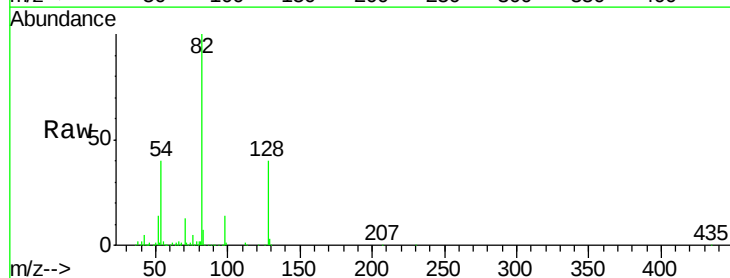


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

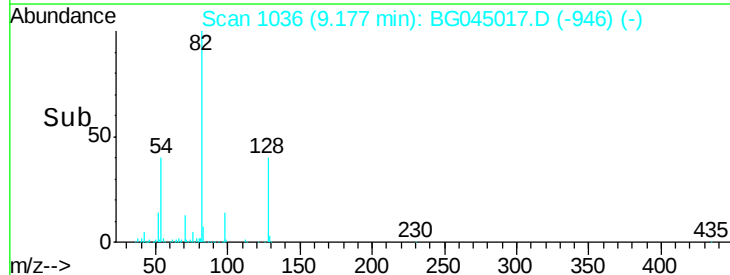
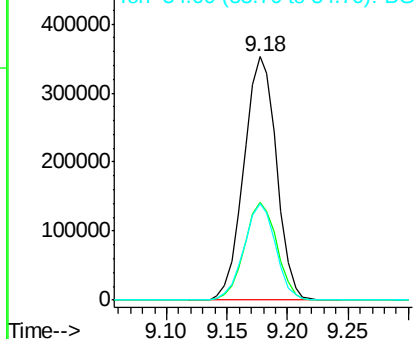


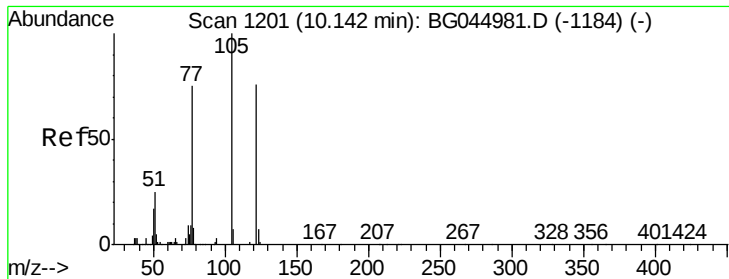
#23
Nitrobenzene-d5
Concen: 56.997 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Tgt Ion: 82	Resp: 663632
Ion Ratio	Lower Upper
82 100	
128 40.2	33.0 49.4
54 39.6	30.4 45.6



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





#32

Benzoic acid

Concen: 6.393 ng

RT: 10.17 min Scan# 1205

Delta R.T. 0.03 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

Instrument :

BNA_G

ClientSampleId :

OILY-STONE-POTHEAD

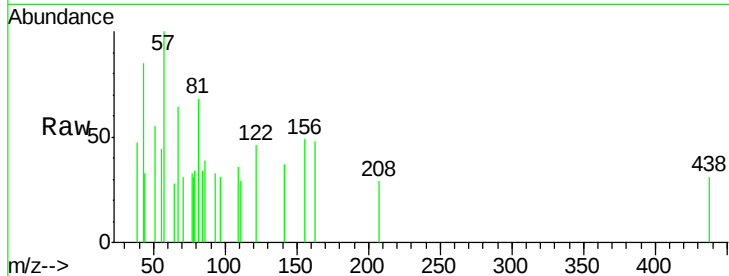
Tot Ion:122 Resp: 146

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

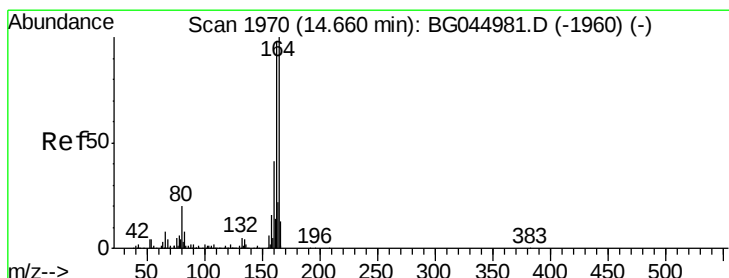
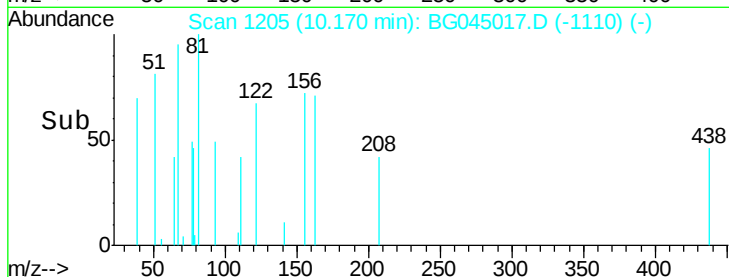
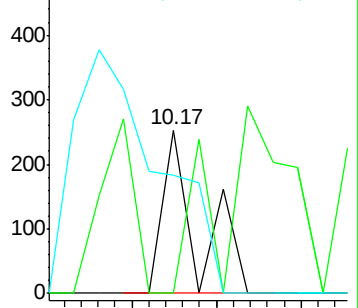
77 72.3 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

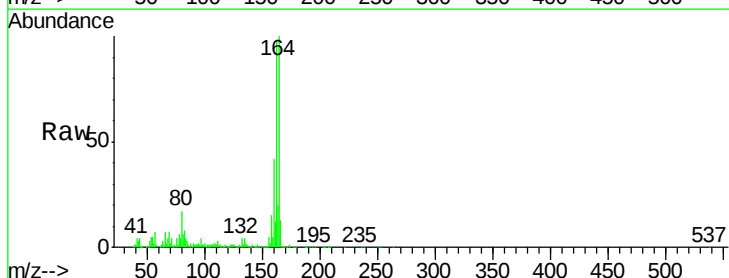
Tgt Ion:164 Resp: 320487

Ion Ratio Lower Upper

164 100

162 98.1 78.7 118.1

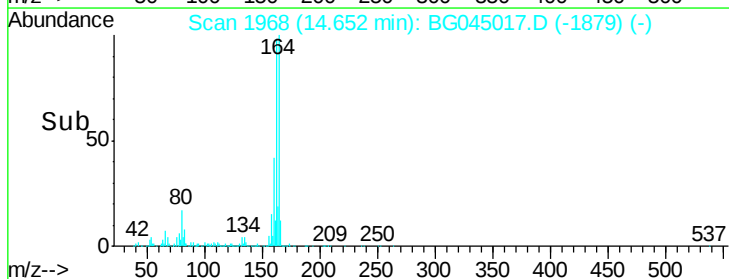
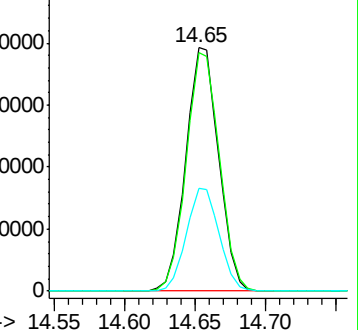
160 42.0 32.8 49.2

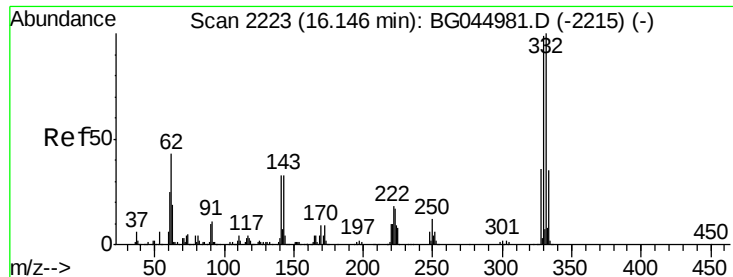


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

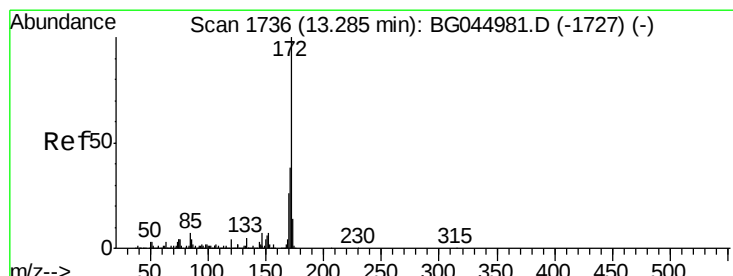
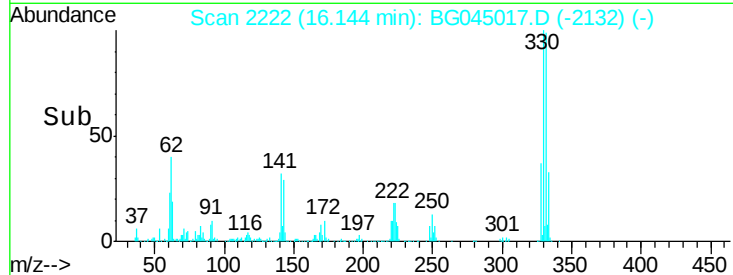
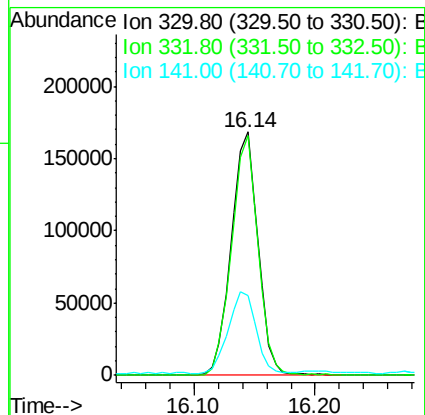
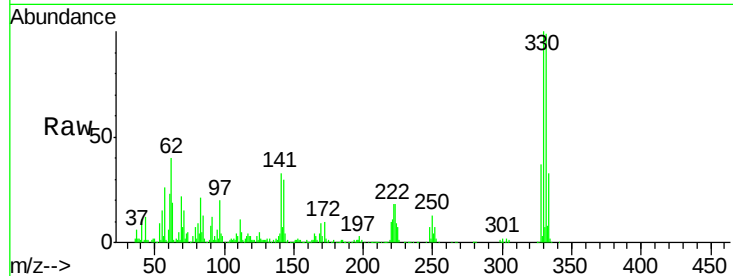




#42
 2,4,6-Tribromophenol
 Concen: 52.465 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045017.D
 Acq: 16 Apr 2020 22:10

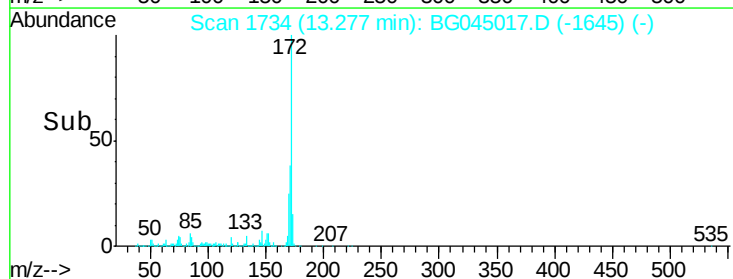
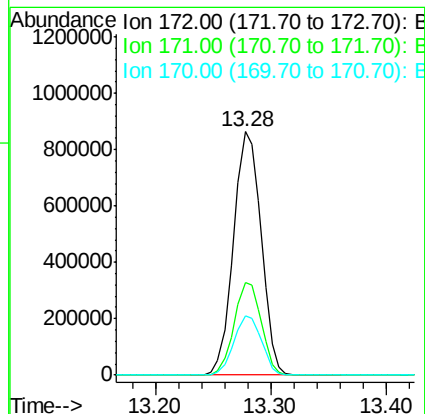
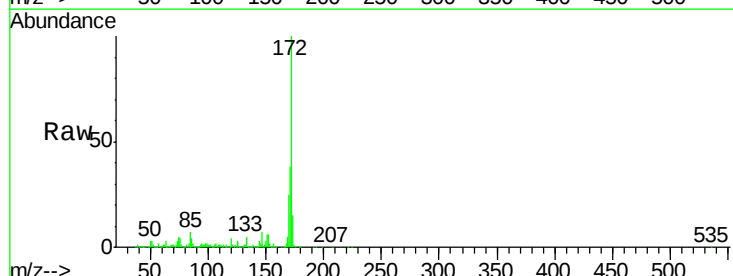
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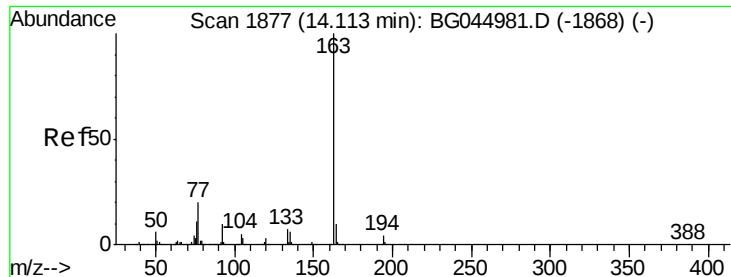
Tot Ion:330 Resp: 259759
 Ion Ratio Lower Upper
 330 100
 332 97.6 79.1 118.7
 141 34.8 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 65.430 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG045017.D
 Acq: 16 Apr 2020 22:10

Tgt Ion:172 Resp: 1430079
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.6 46.0
 170 24.5 20.5 30.7

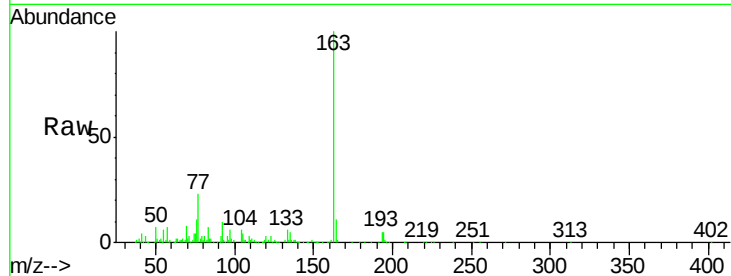




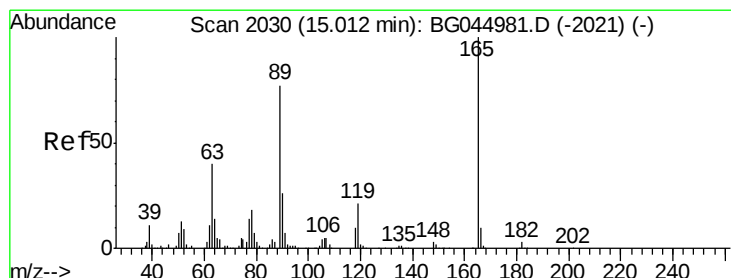
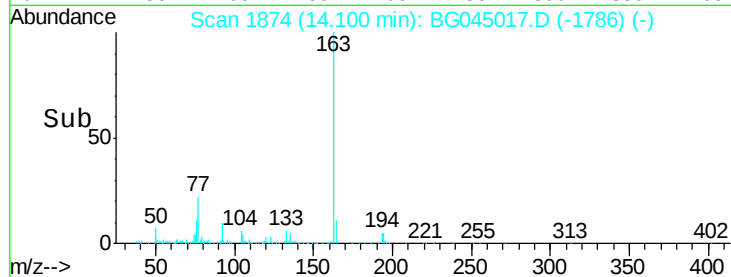
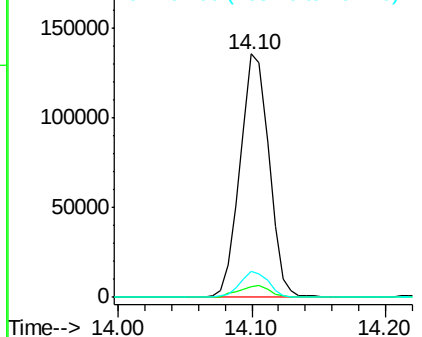
#50
Dimethylphthalate
Concen: 7.739 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Instrument :
BNA_G
ClientSampleId :
OILY-STONE-POTHEAD

Tot Ion:163 Resp: 201958
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.8 8.2 12.4

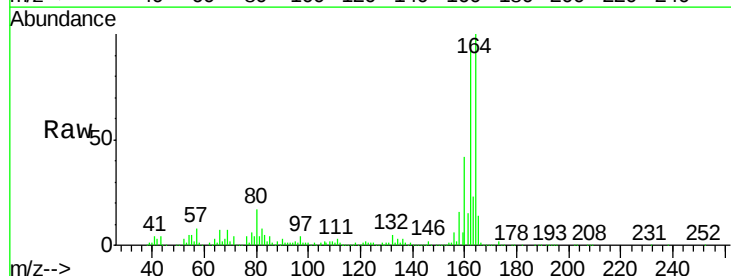


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

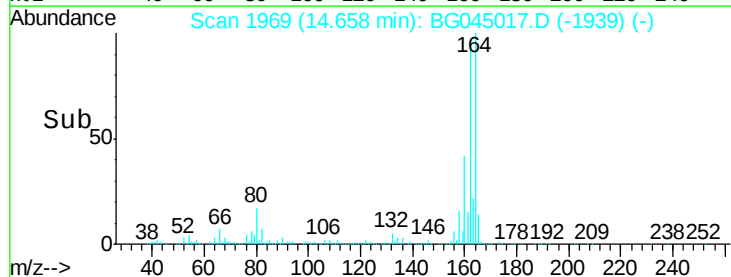
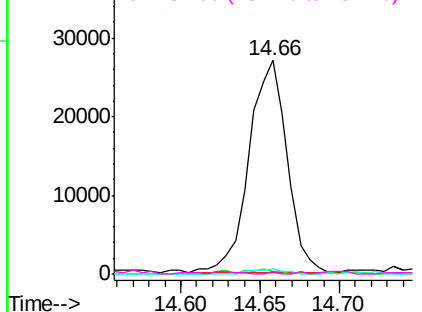


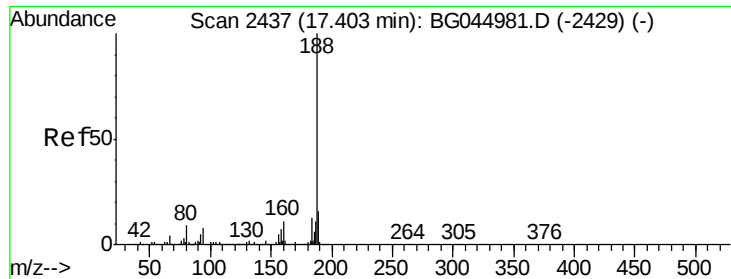
#57
2,4-Dinitrotoluene
Concen: 5.261 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.35 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Tgt Ion:165 Resp: 44879
Ion Ratio Lower Upper
165 100
63 1.3 32.2 48.2#
89 2.3 61.7 92.5#
182 1.1 2.0 3.0#



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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

Instrument :

BNA_G

ClientSampleId :

OILY-STONE-POTHEAD

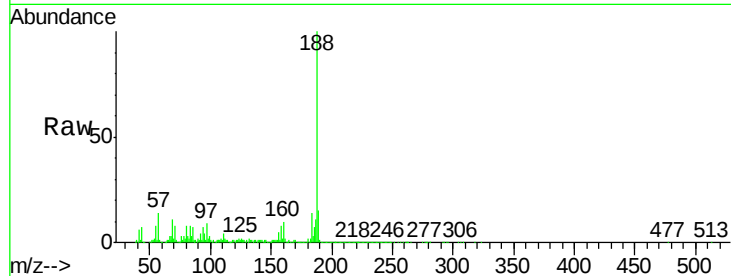
Tot Ion:188 Resp: 604153

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

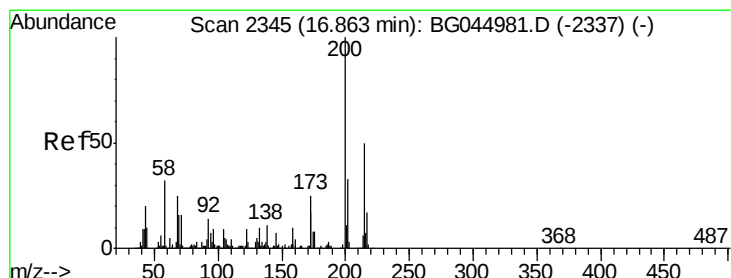
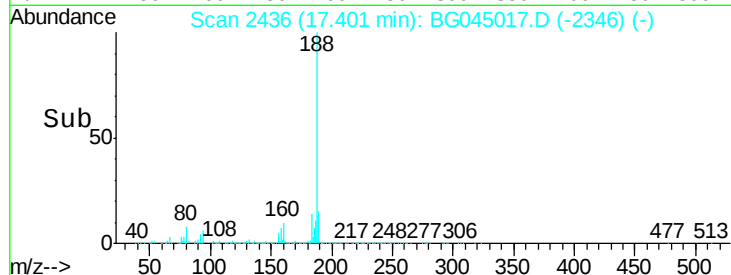
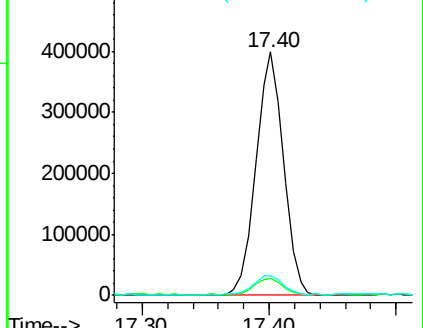
80 8.1 7.0 10.6



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



#69

Atrazine

Concen: Below Cal

RT: 16.87 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

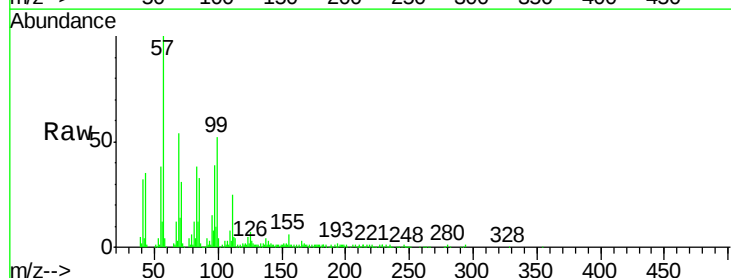
Tgt Ion:200 Resp: 652

Ion Ratio Lower Upper

200 100

173 95.1 4.5 44.5#

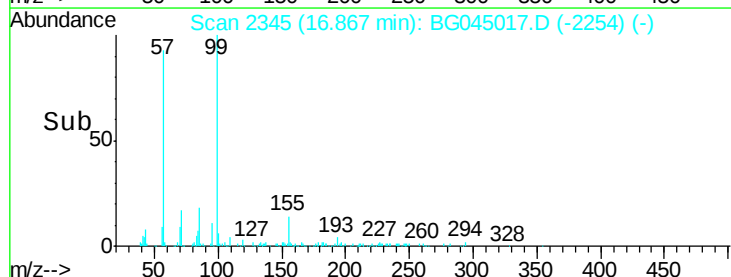
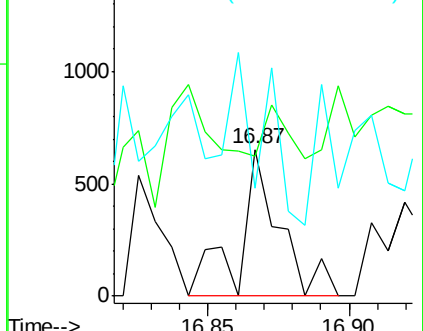
215 73.5 30.0 70.0#

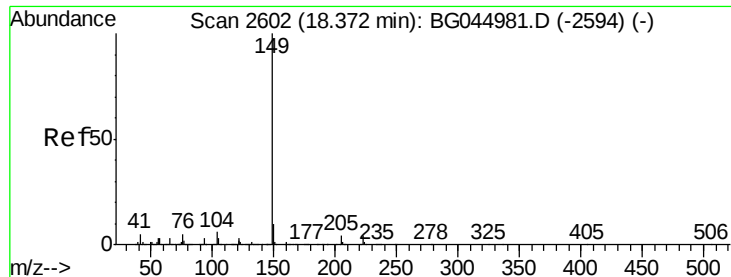


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

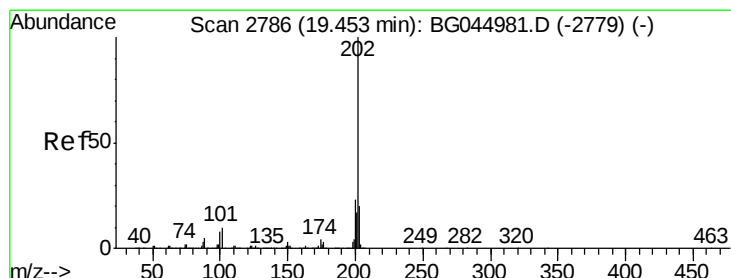
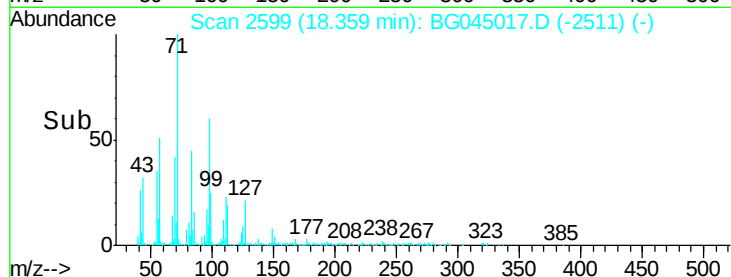
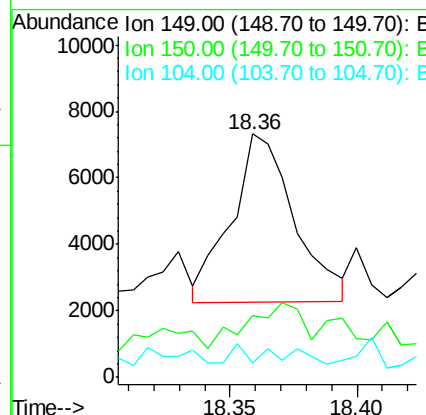
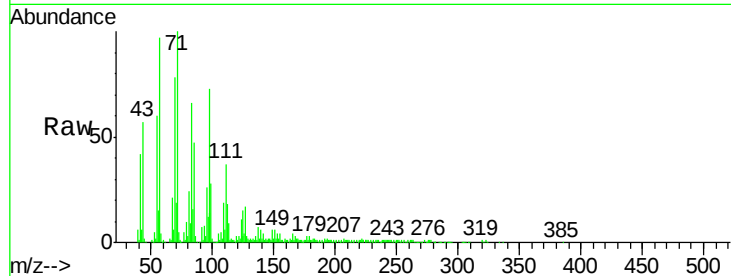




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.36 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

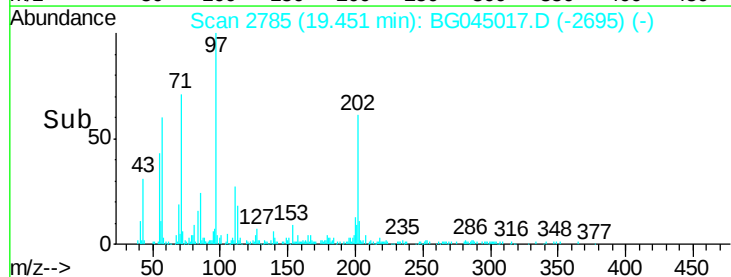
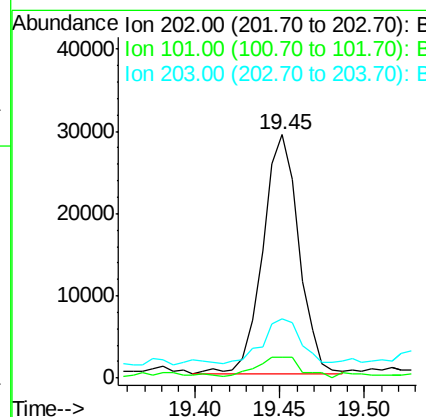
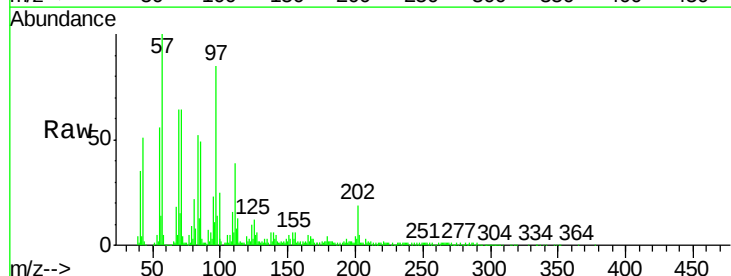
Instrument :
BNA_G
ClientSampleId :
OILY-STONE-POTHEAD

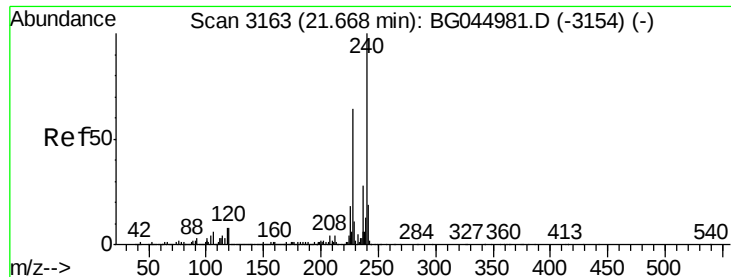
Tot Ion:149 Resp: 8712
Ion Ratio Lower Upper
149 100
150 25.5 8.2 12.2#
104 5.9 4.8 7.2



#75
Fluoranthene
Concen: Below Cal
RT: 19.45 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BG045017.D
Acq: 16 Apr 2020 22:10

Tgt Ion:202 Resp: 42482
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.6
203 24.3 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

Instrument :

BNA_G

ClientSampleId :

OILY-STONE-POTHEAD

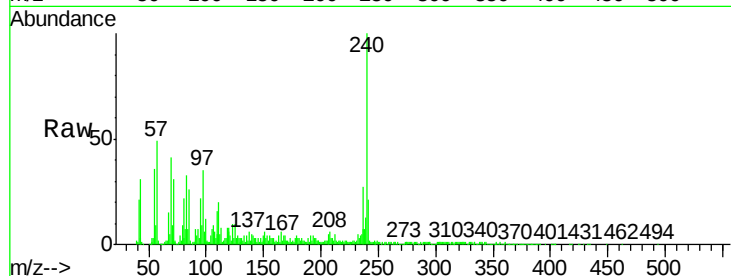
Tot Ion:240 Resp: 576154

Ion Ratio Lower Upper

240 100

120 8.4 6.6 10.0

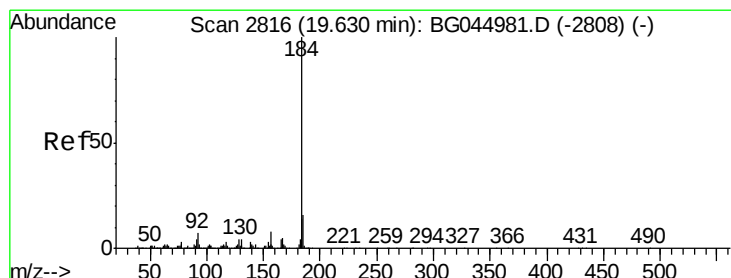
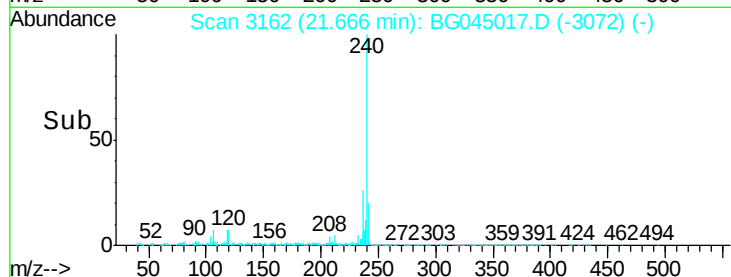
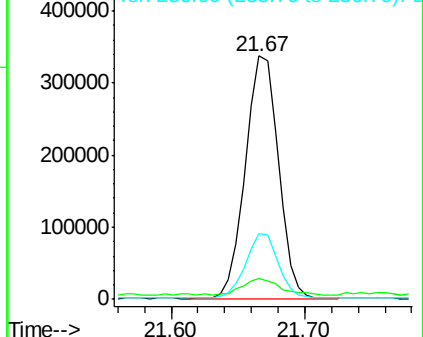
236 27.1 22.2 33.2



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: Below Cal

RT: 19.65 min Scan# 2818

Delta R.T. 0.02 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

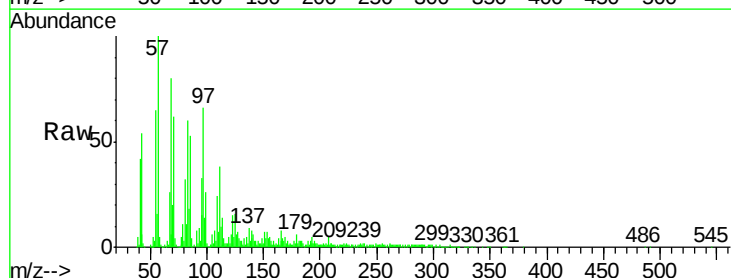
Tgt Ion:184 Resp: 1367

Ion Ratio Lower Upper

184 100

185 104.2 12.6 19.0#

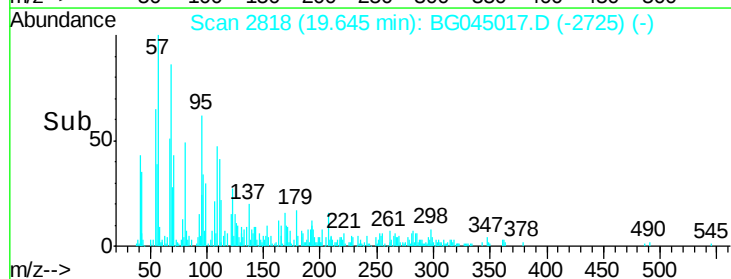
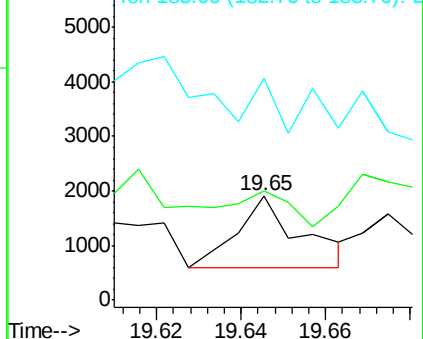
183 212.6 11.3 16.9#

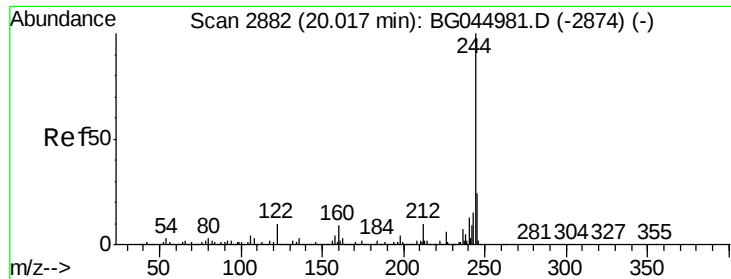


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 64.687 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

Instrument :

BNA_G

ClientSampleId :

OILY-STONE-POTHEAD

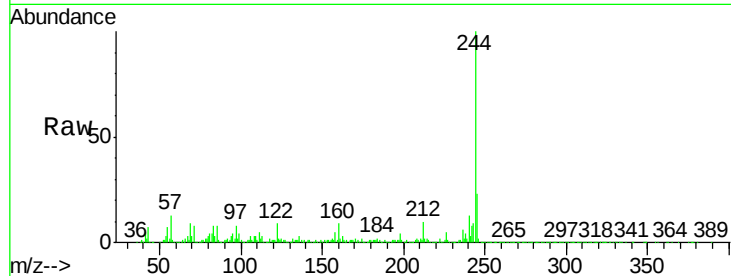
Tot Ion:244 Resp: 1709958

Ion Ratio Lower Upper

244 100

212 9.7 7.9 11.9

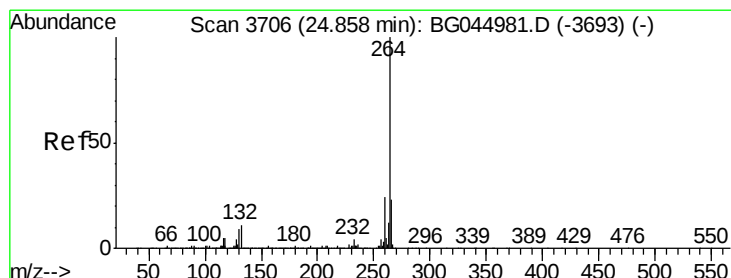
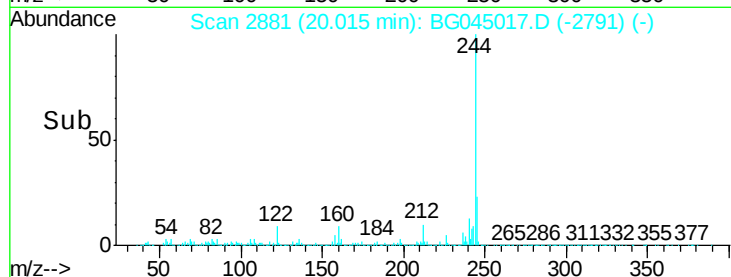
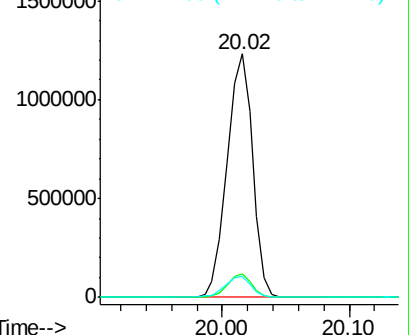
122 8.8 7.7 11.5



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: 24.90 min Scan# 3712

Delta R.T. 0.04 min

Lab File: BG045017.D

Acq: 16 Apr 2020 22:10

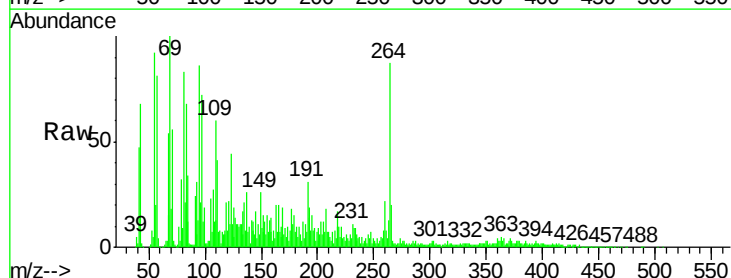
Tgt Ion:264 Resp: 620888

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 23.2 19.0 28.4



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

