

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\
 Data File : BG045235.D
 Acq On : 4 May 2020 15:51
 Operator : CG/JU
 Sample : L2478-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-0D015-03-013

Quant Time: May 04 16:44:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

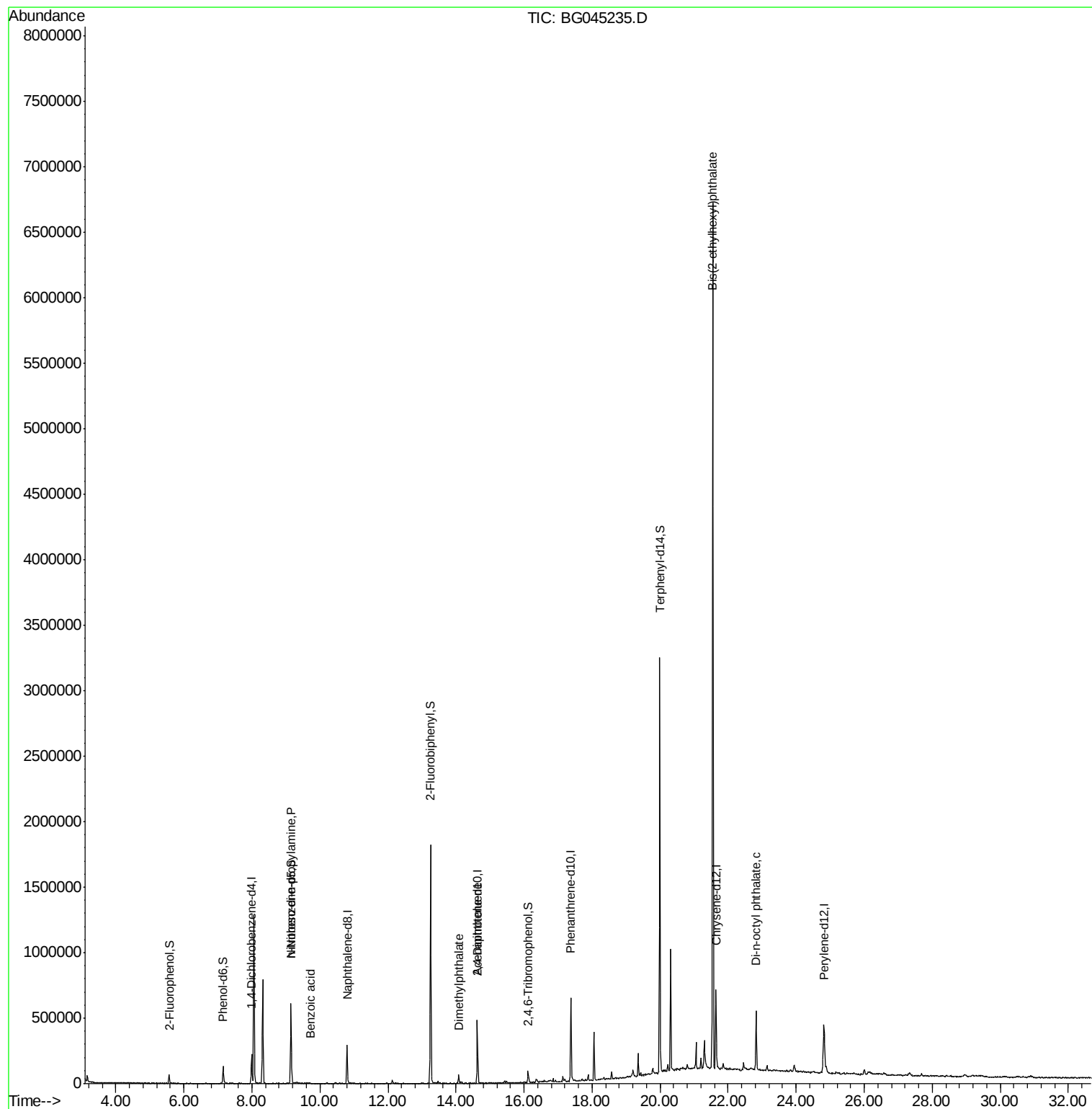
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	70409	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	261480	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	190309	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	433721	20.00	ng	0.00
76) Chrysene-d12	21.64	240	386739	20.00	ng	0.00
87) Perylene-d12	24.82	264	441796	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	35053	8.22	ng	0.00
7) Phenol-d6	7.16	99	94740	14.95	ng	0.00
23) Nitrobenzene-d5	9.15	82	422498	73.73	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	19561	6.65	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1022792	78.81	ng	0.00
79) Terphenyl-d14	19.99	244	1614159	90.97	ng	0.00
Target Compounds						
9) Benzaldehyde	7.13	77	1293	Below Cal		Qvalue 86
19) n-Nitroso-di-n-propylamine	9.15	70	58511	13.057 ng	#	76
32) Benzoic acid	9.73	122	57	6.389 ng	#	1
50) Dimethylphthalate	14.08	163	46112	2.976 ng	#	95
57) 2,4-Dinitrotoluene	14.63	165	24264	4.790 ng	#	22
69) Atrazine	16.81	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	13087	Below Cal		97
75) Fluoranthene	19.43	202	13202	Below Cal		93
77) Benzidine	19.99	184	31118	Below Cal	#	91
84) Bis(2-ethylhexyl)phthalate	21.55	149	2760632	181.622 ng	#	91
85) Di-n-octyl phthalate	22.82	149	80667	3.069 ng	#	30

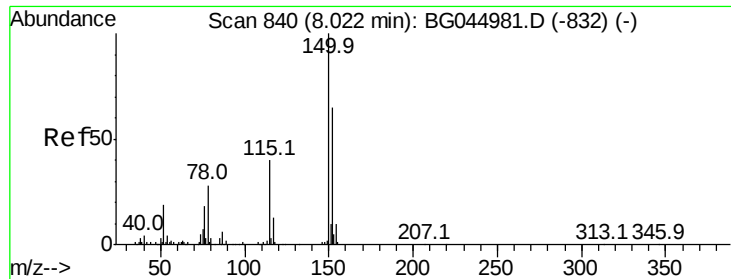
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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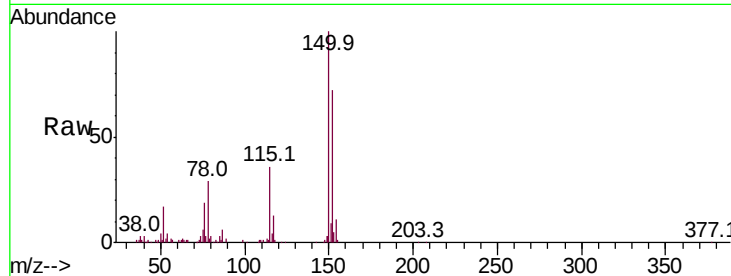


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-013

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.5	123.6	185.4
115	50.4	49.1	73.7

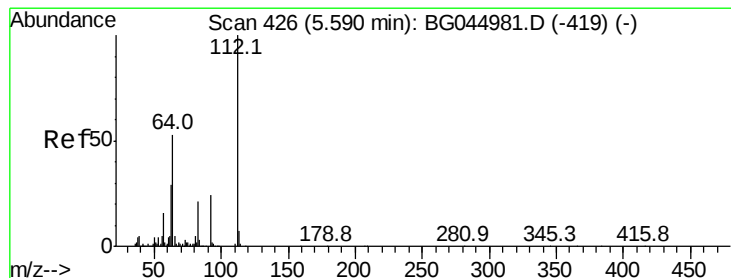
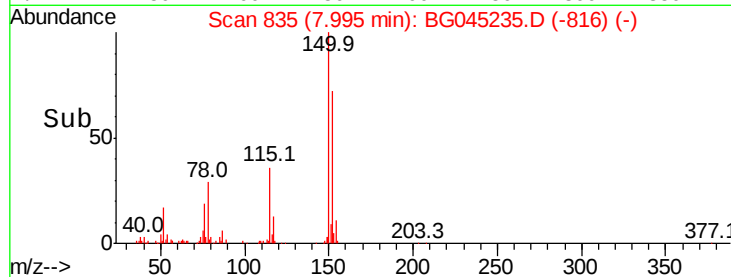
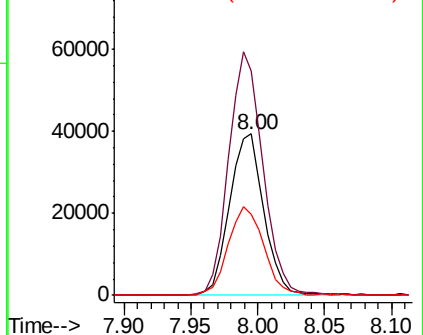


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

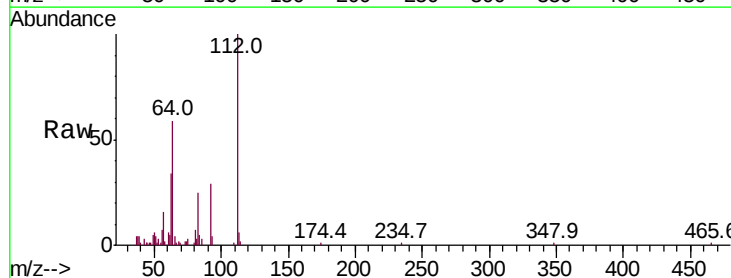
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.219 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	42.4	63.6
63	33.5	23.1	34.7

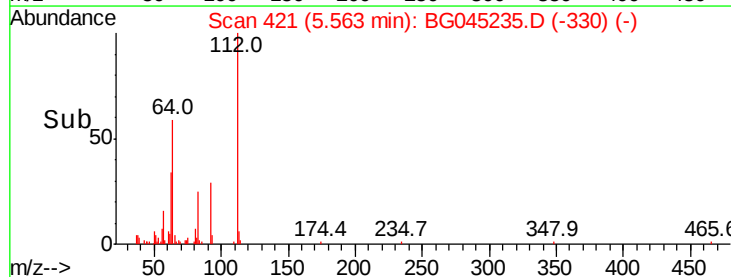
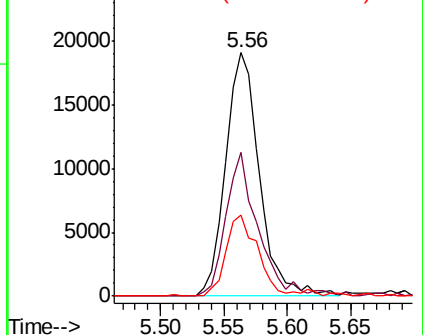


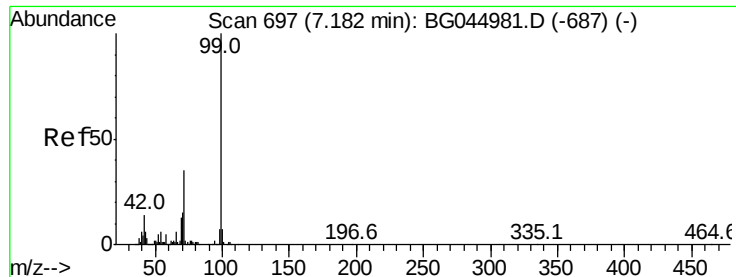
Abundance

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: 14.952 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-013

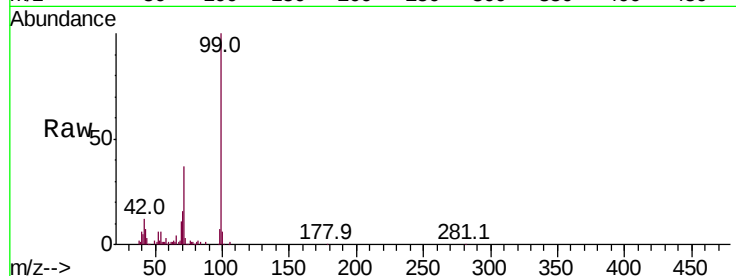
Tot Ion: 99 Resp: 94740

Ion Ratio Lower Upper

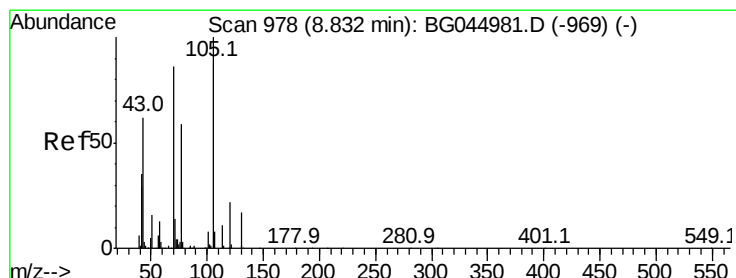
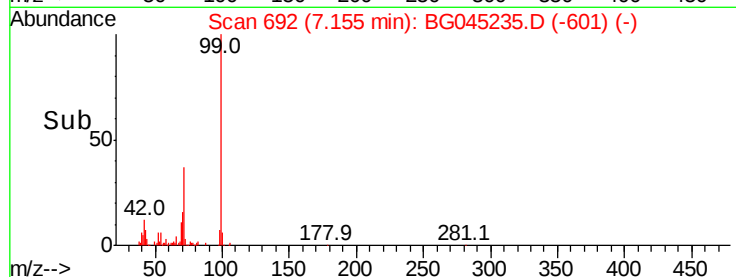
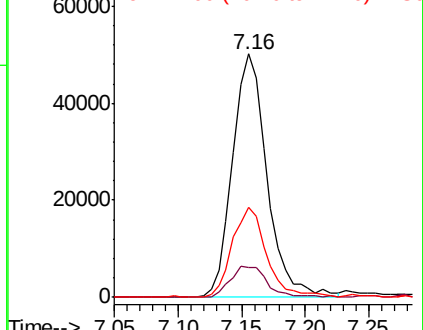
99 100

42 12.3 11.3 16.9

71 37.0 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: 13.057 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Tgt Ion: 70 Resp: 58511

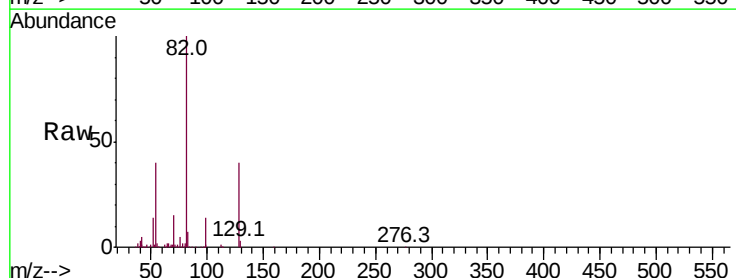
Ion Ratio Lower Upper

70 100

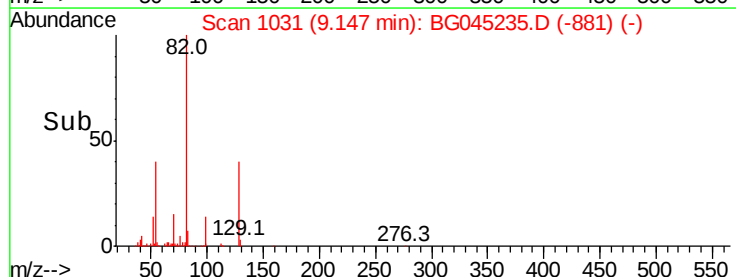
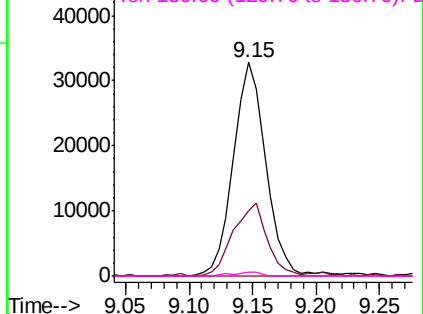
42 30.8 33.3 49.9#

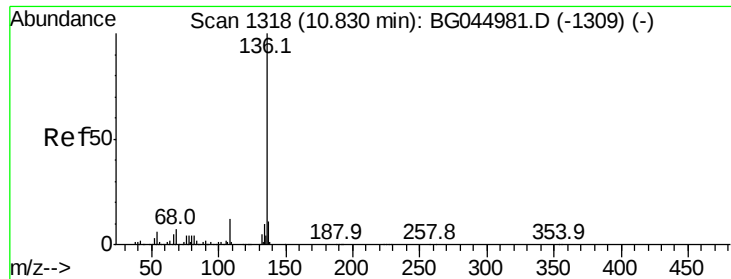
101 0.0 7.8 11.8#

130 2.1 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

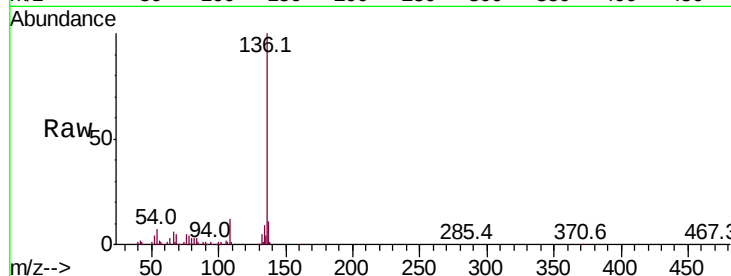




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-013

Tot Ion:	136	Resp:	261480
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	6.6	4.8	7.2
68	4.7	5.2	7.8



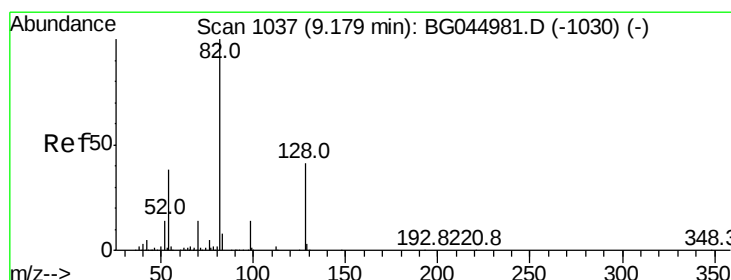
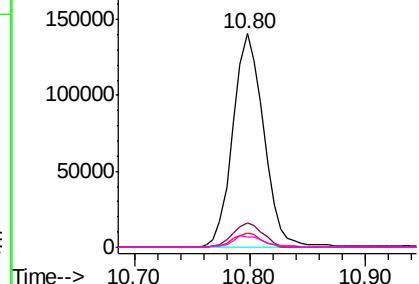
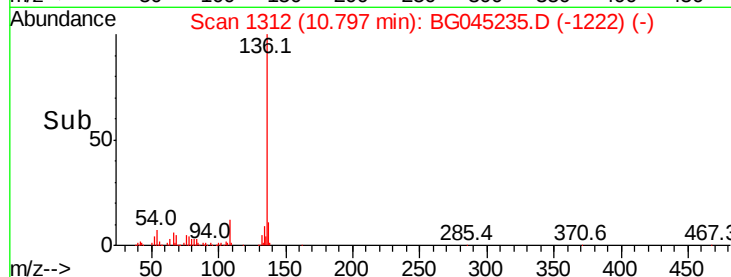
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

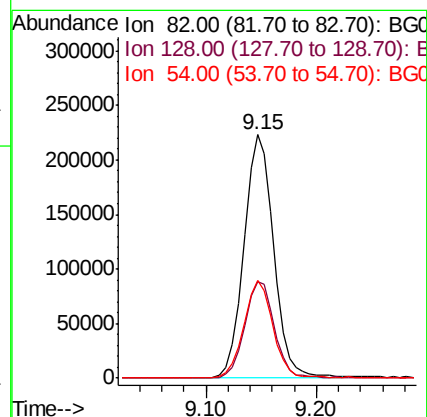
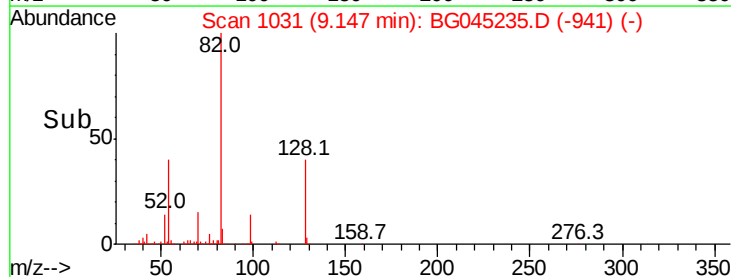
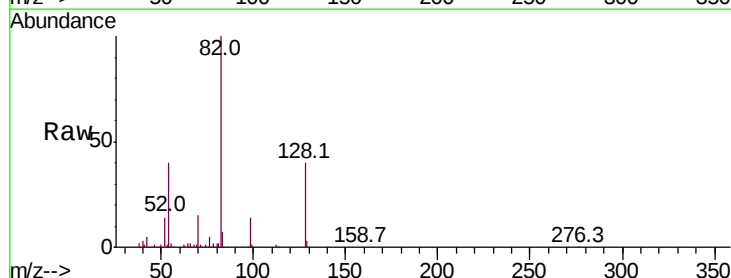
Ion 54.00 (53.70 to 54.70): BGC

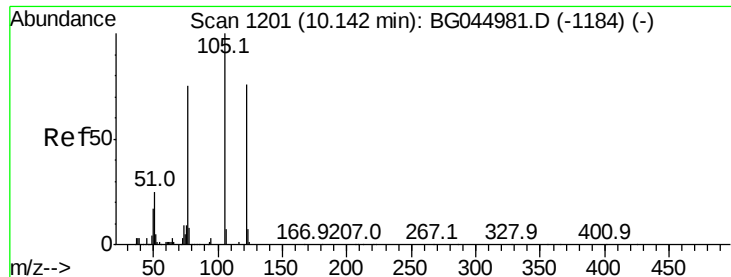
Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 73.727 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Tgt Ion:	82	Resp:	422498
Ion	Ratio	Lower	Upper
82	100		
128	39.8	33.0	49.4
54	40.0	30.4	45.6

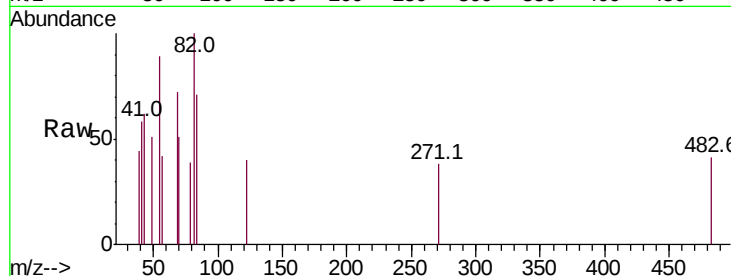




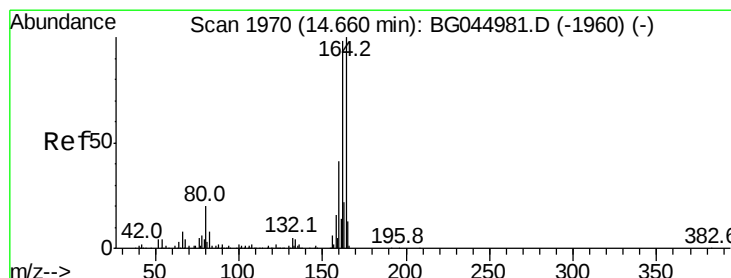
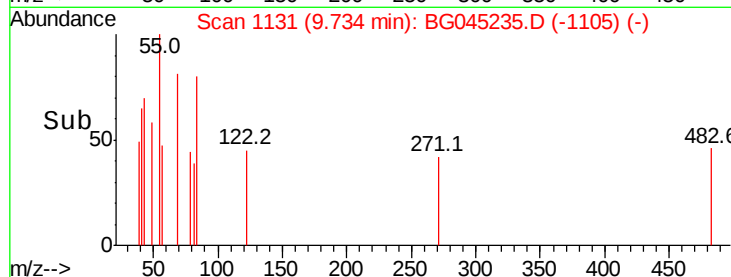
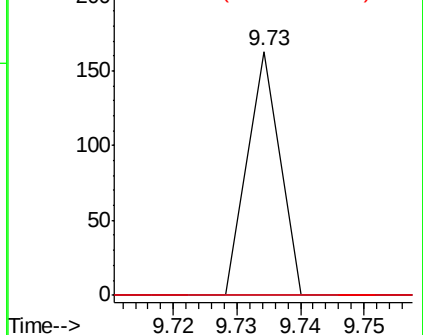
#32
Benzoic acid
Concen: 6.389 ng
RT: 9.73 min Scan# 1131
Delta R.T. -0.38 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-013

Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

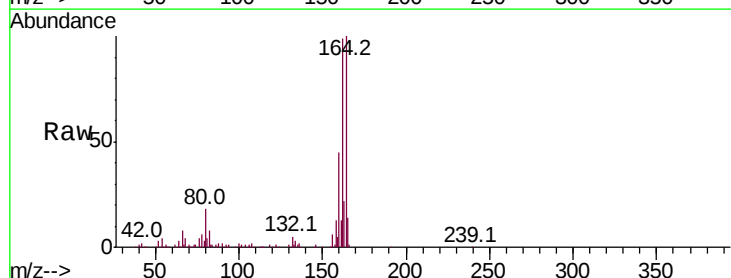


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

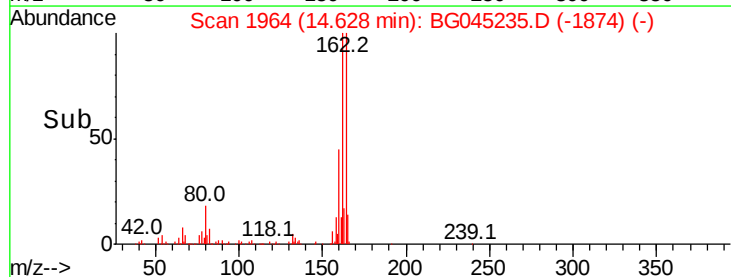
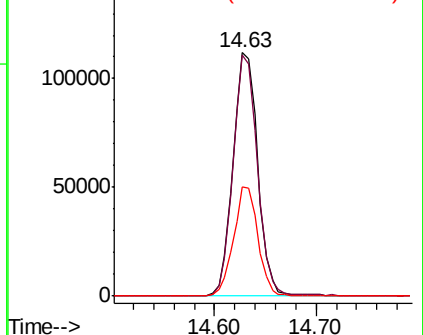


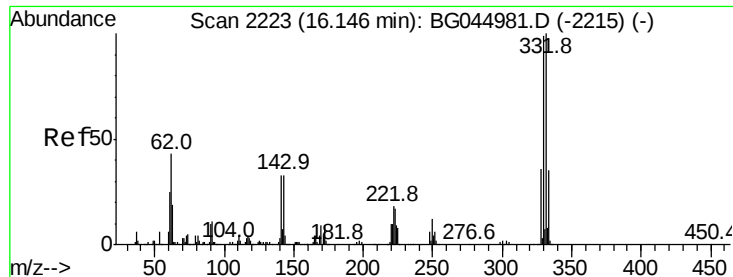
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Tgt Ion:164 Resp: 190309
Ion Ratio Lower Upper
164 100
162 99.3 78.7 118.1
160 44.7 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

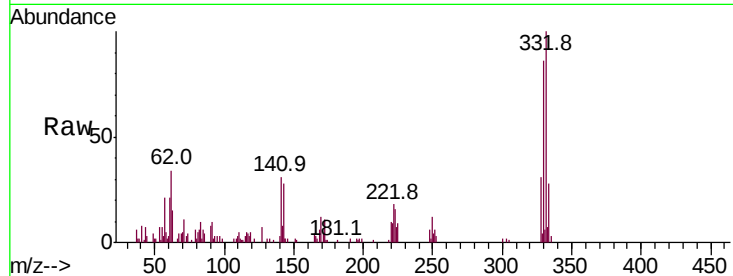




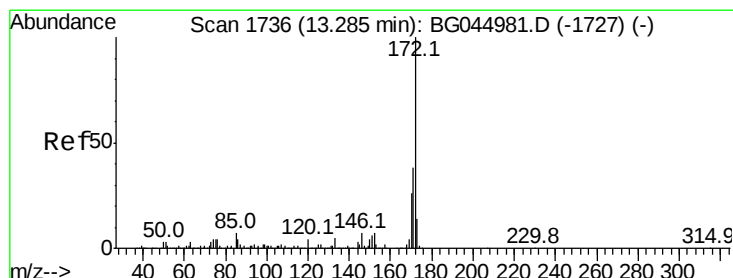
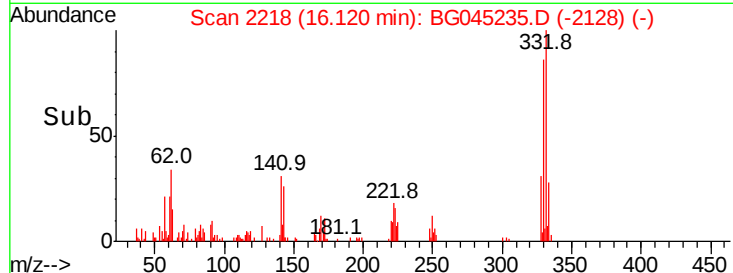
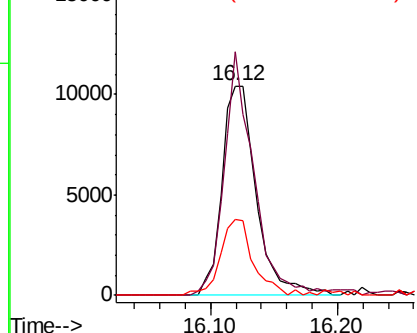
#42
 2,4,6-Tribromophenol
 Concen: 6.653 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045235.D
 Acq: 4 May 2020 15:51

Instrument :
 BNA_G
 ClientSampleId :
 FK-0D015-03-013

Tot Ion:330 Resp: 19561
 Ion Ratio Lower Upper
 330 100
 332 98.8 79.1 118.7
 141 35.0 27.1 40.7

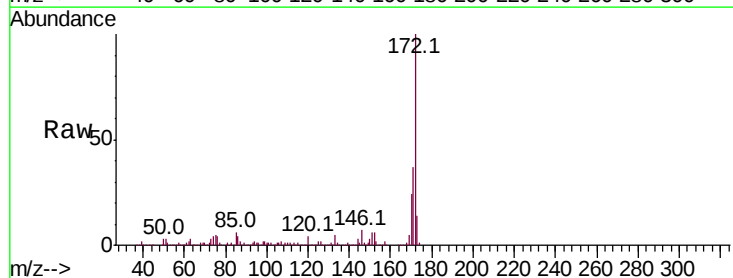


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

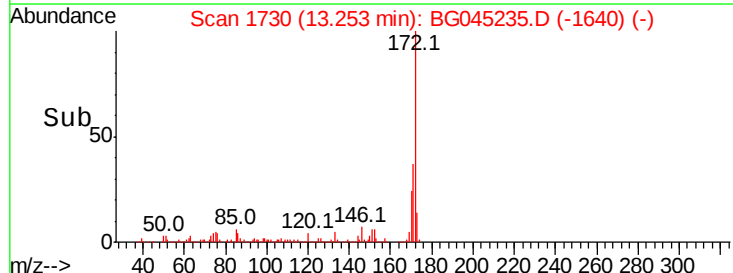
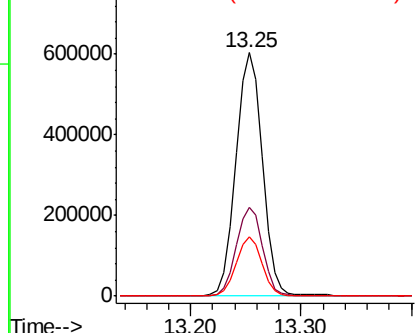


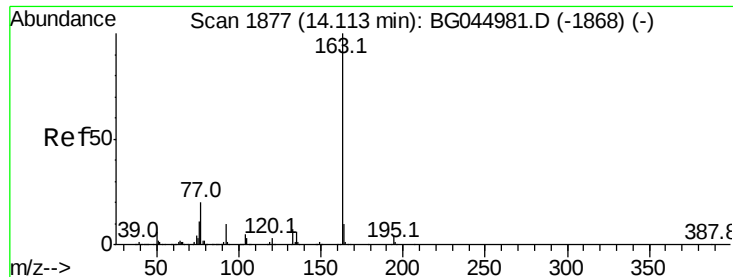
#45
 2-Fluorobiphenyl
 Concen: 78.805 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045235.D
 Acq: 4 May 2020 15:51

Tgt Ion:172 Resp: 1022792
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.6 46.0
 170 24.2 20.5 30.7



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





#50

Dimethylphthalate

Concen: 2.976 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-013

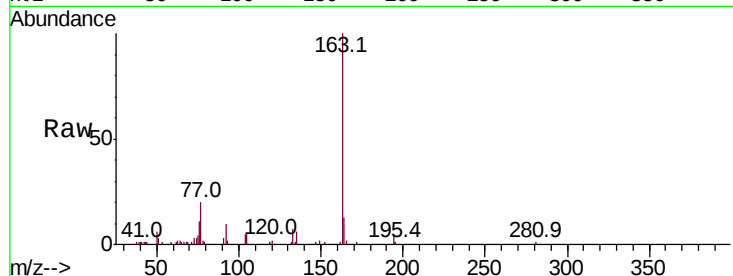
Tot Ion:163 Resp: 46112

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

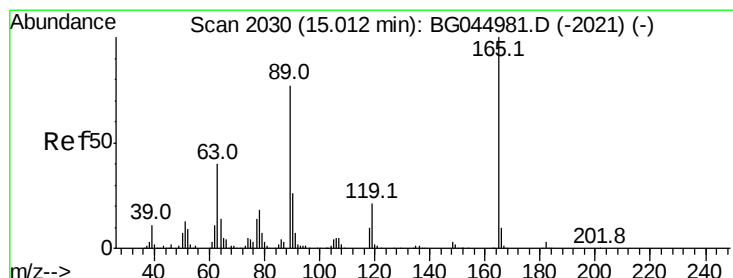
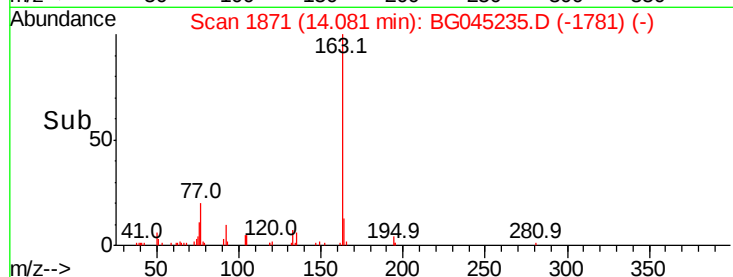
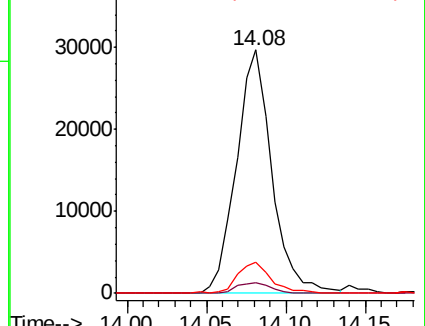
164 12.8 8.2 12.4#



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: 4.790 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Tgt Ion:165 Resp: 24264

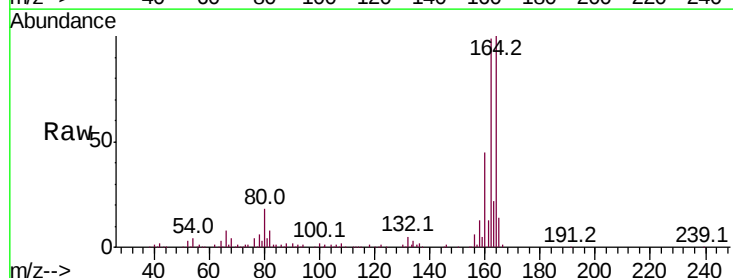
Ion Ratio Lower Upper

165 100

63 1.7 32.2 48.2#

89 0.0 61.7 92.5#

182 0.0 2.0 3.0#

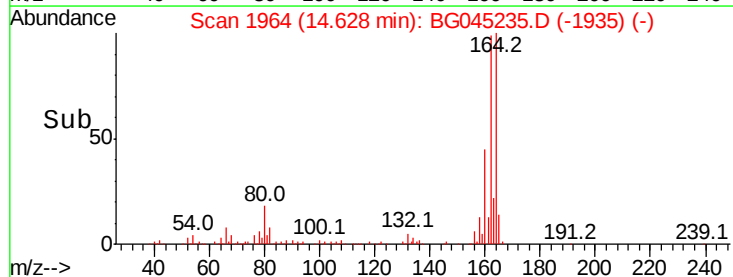
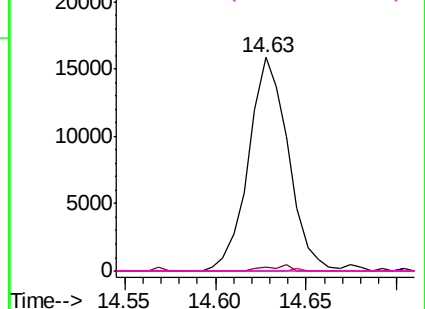


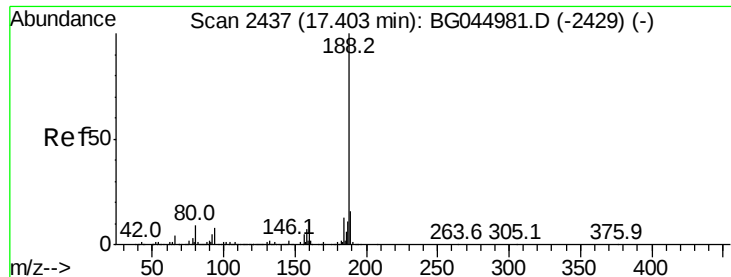
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-013

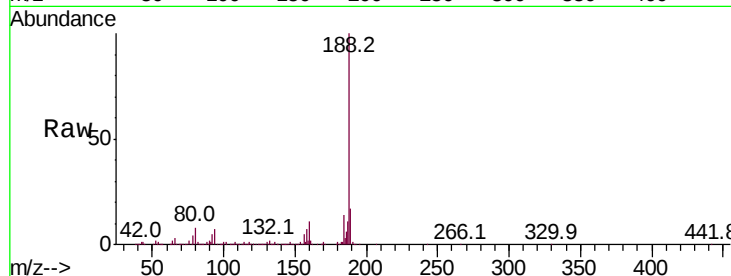
Tot Ion:188 Resp: 433721

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

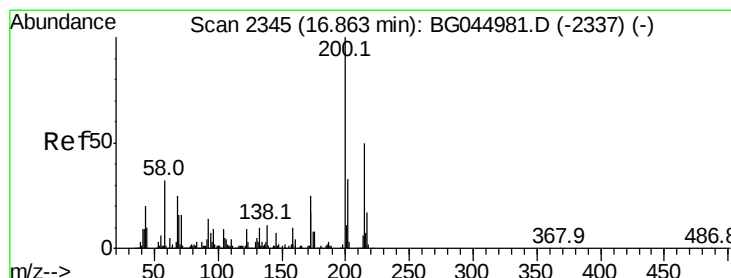
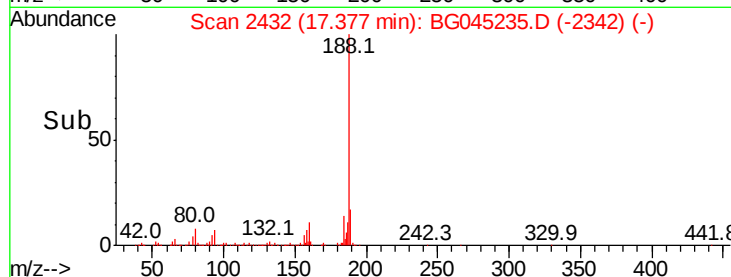
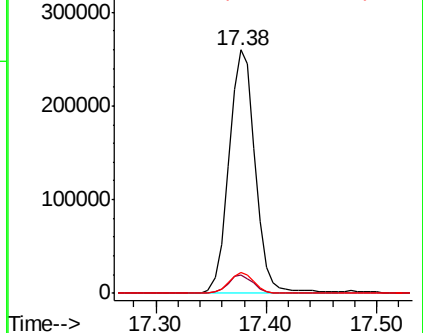
80 8.4 7.0 10.6



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



#69

Atrazine

Concen: Below Cal

RT: 16.81 min Scan# 2335

Delta R.T. -0.03 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

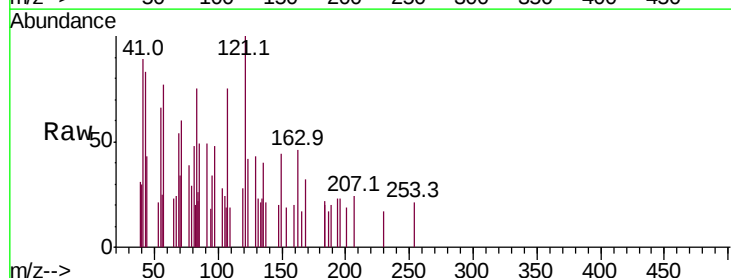
Tgt Ion:200 Resp: 62

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

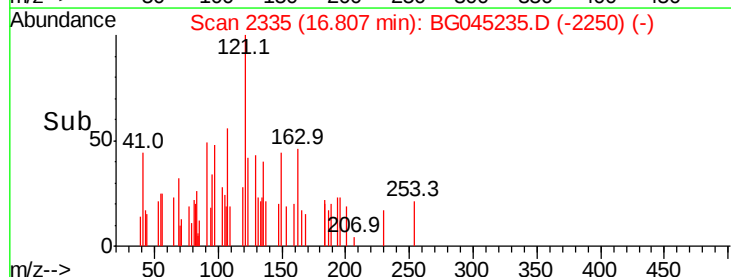
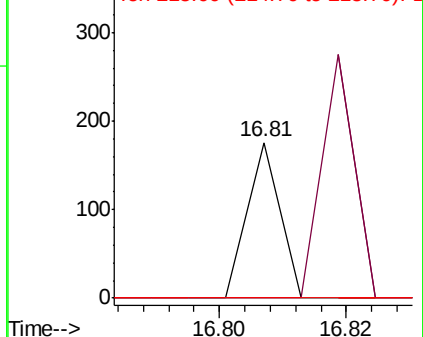
215 0.0 30.0 70.0#

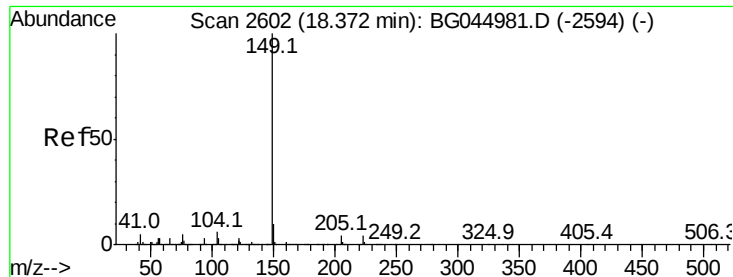


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

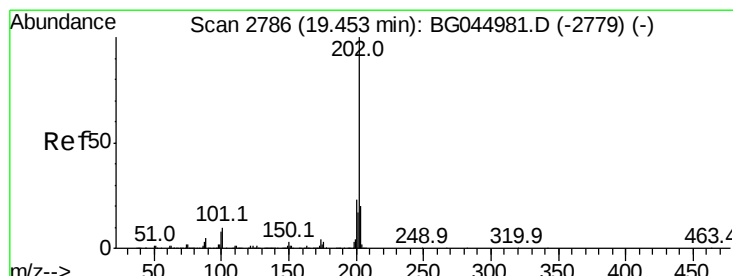
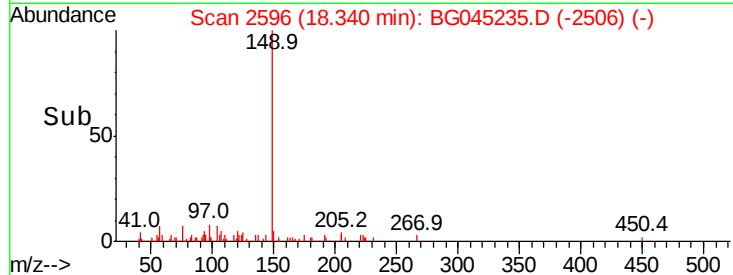
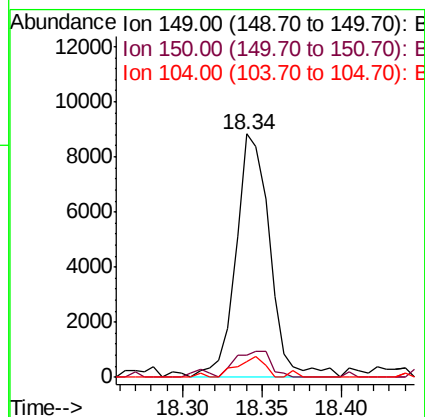
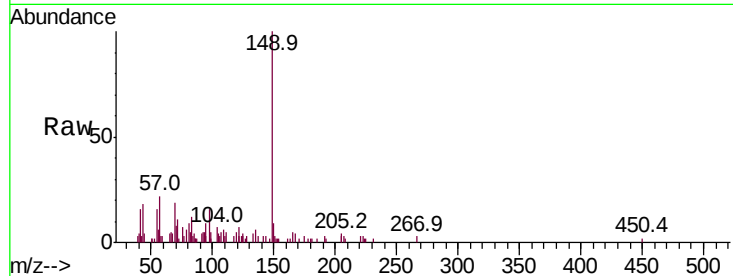




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.34 min Scan# 2596
Delta R.T. -0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

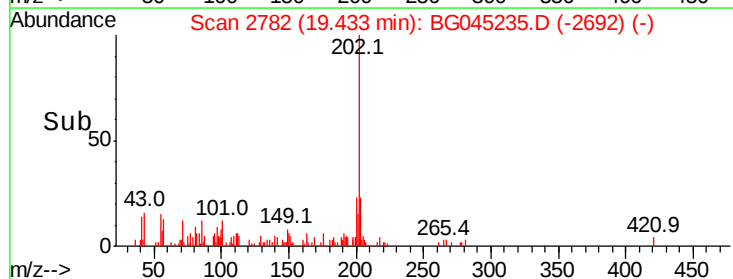
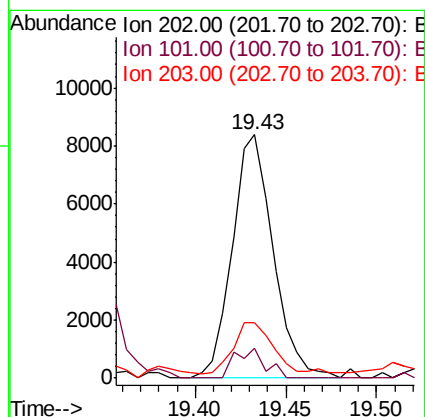
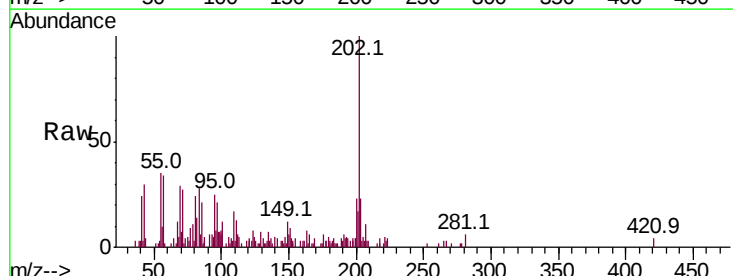
Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-013

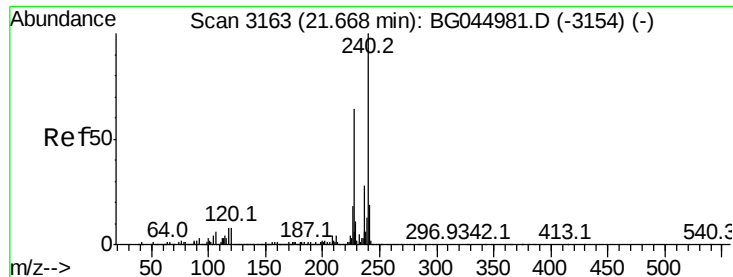
Tot Ion	Ratio	Lower	Upper
149	100		
150	8.9	8.2	12.2
104	6.6	4.8	7.2



#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	29.6
203	22.6	0.0	39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-013

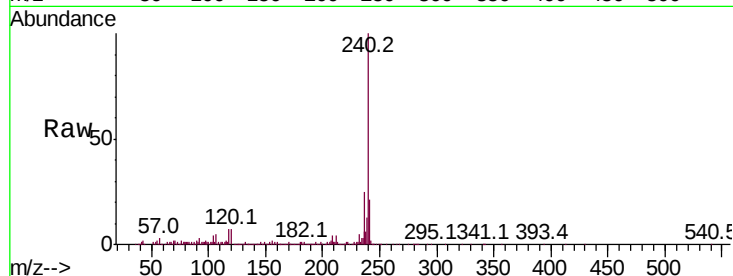
Tot Ion:240 Resp: 386739

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

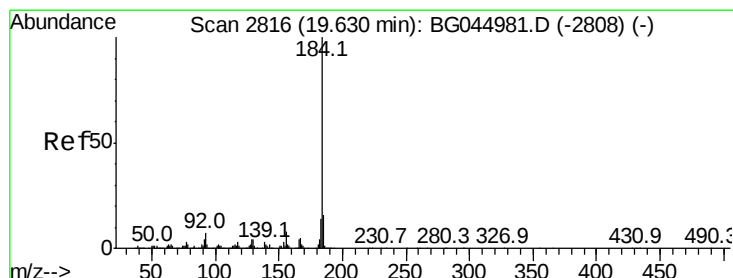
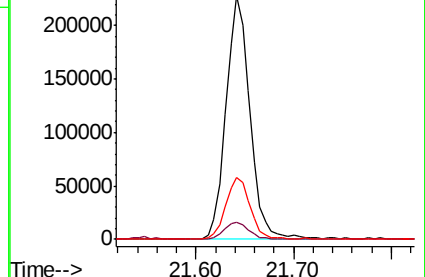
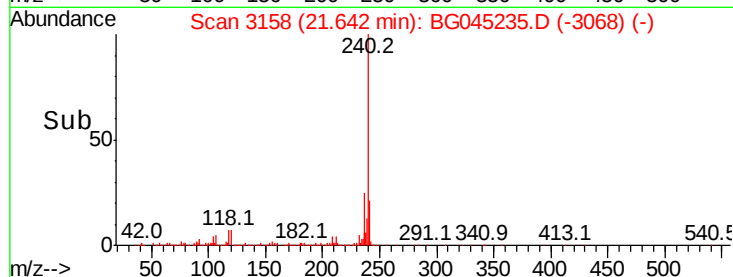
236 25.2 22.2 33.2



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: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

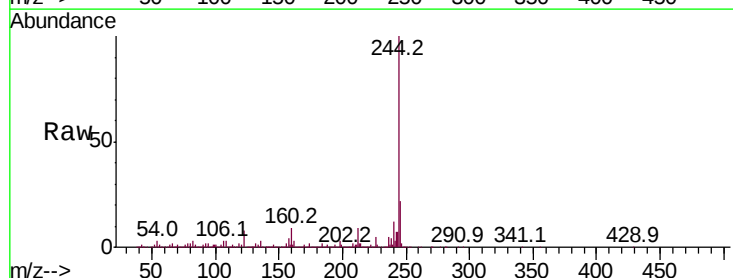
Tgt Ion:184 Resp: 31118

Ion Ratio Lower Upper

184 100

185 16.2 12.6 19.0

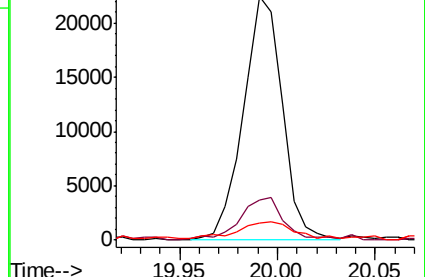
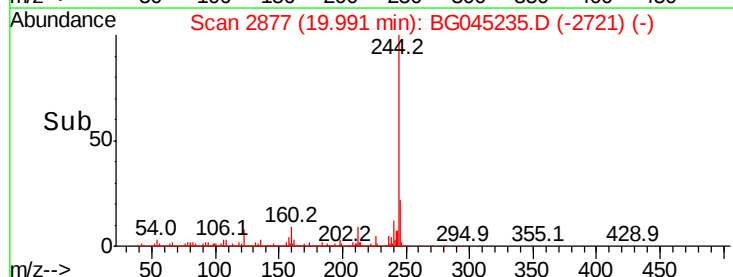
183 6.9 11.3 16.9#

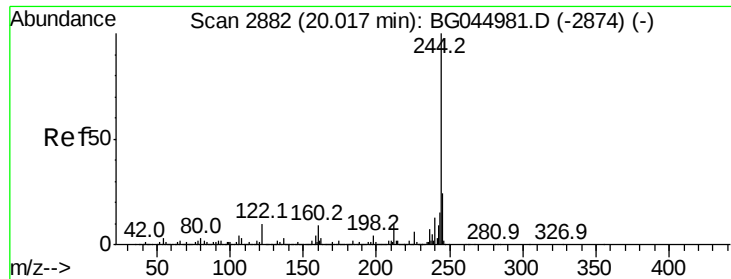


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 90.970 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Instrument :

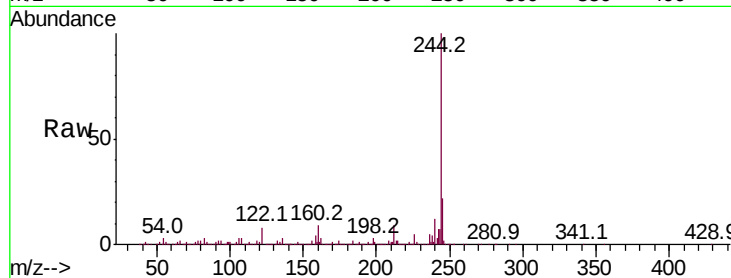
BNA_G

ClientSampleId :

FK-0D015-03-013

Tot Ion:244 Resp: 1614159

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.9	11.9
122	8.4	7.7	11.5

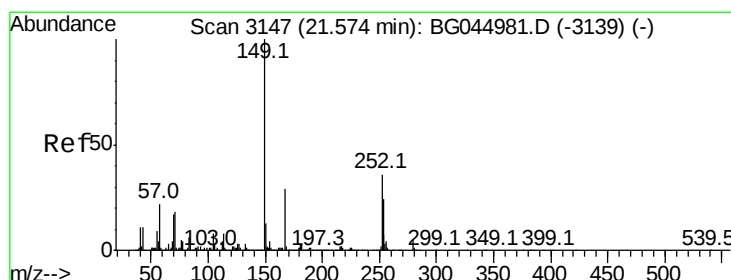
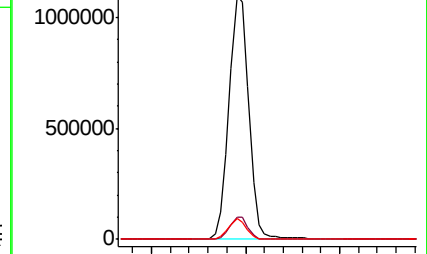
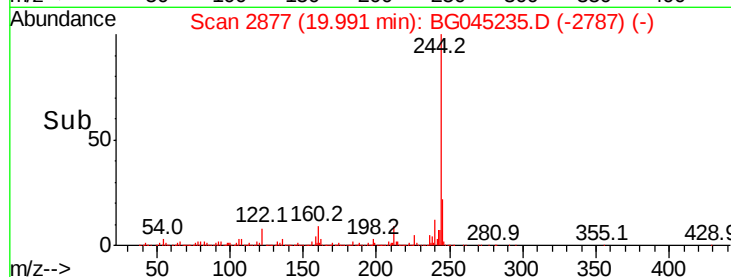


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 181.622 ng

RT: 21.55 min Scan# 3142

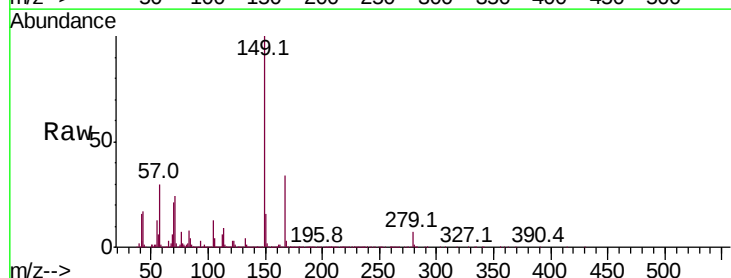
Delta R.T. 0.00 min

Lab File: BG045235.D

Acq: 4 May 2020 15:51

Tgt Ion:149 Resp: 2760632

Ion	Ratio	Lower	Upper
149	100		
167	34.4	23.4	35.0
279	6.8	4.3	6.5#

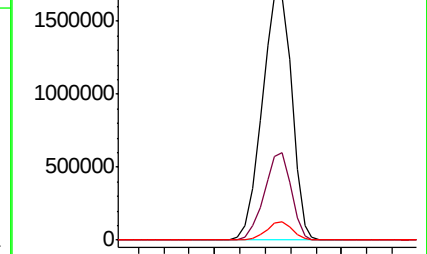
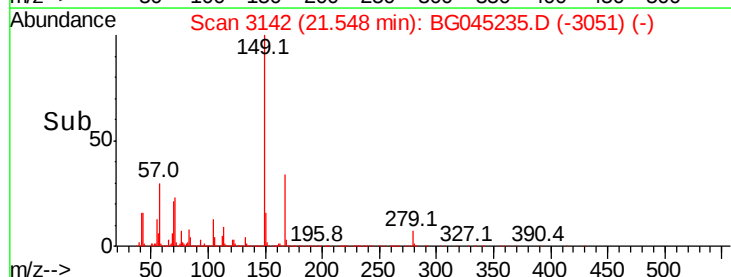


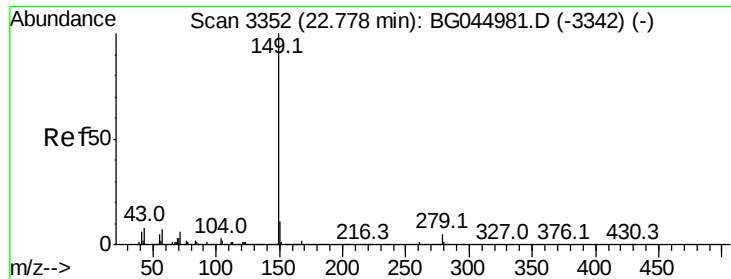
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

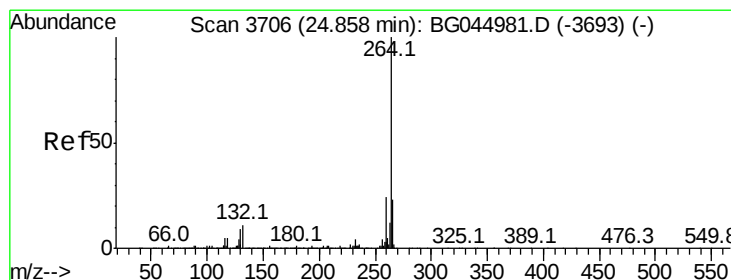
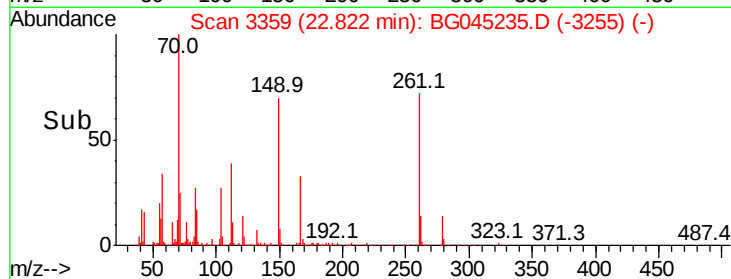
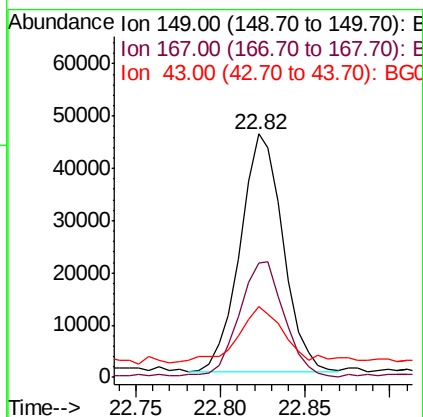
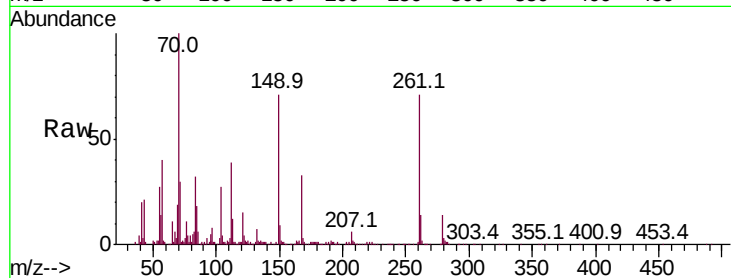




#85
Di-n-octyl phthalate
Concen: 3.069 ng
RT: 22.82 min Scan# 3359
Delta R.T. 0.08 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-013

Tot Ion:149 Resp: 80667
Ion Ratio Lower Upper
149 100
167 50.1 1.4 2.2#
43 25.8 5.7 8.5#



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.00 min
Lab File: BG045235.D
Acq: 4 May 2020 15:51

Tgt Ion:264 Resp: 441796
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.0 19.0 28.4

