

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046005.D
 Acq On : 10 Jul 2020 13:46
 Operator : CG/JU
 Sample : L3203-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-16

Quant Time: Jul 10 15:08:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	160312	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	658225	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	410819	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	912993	20.00	ng	-0.01
76) Chrysene-d12	21.62	240	839957	20.00	ng	-0.01
86) Perylene-d12	24.78	264	838646	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	687310	69.53	ng	0.00
7) Phenol-d6	7.16	99	1045382	73.45	ng	0.00
23) Nitrobenzene-d5	9.15	82	702191	61.40	ng	-0.01
42) 2,4,6-Tribromophenol	16.11	330	340954	89.42	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	1370535	52.04	ng	-0.01
79) Terphenyl-d14	19.98	244	2072519	54.91	ng	0.00

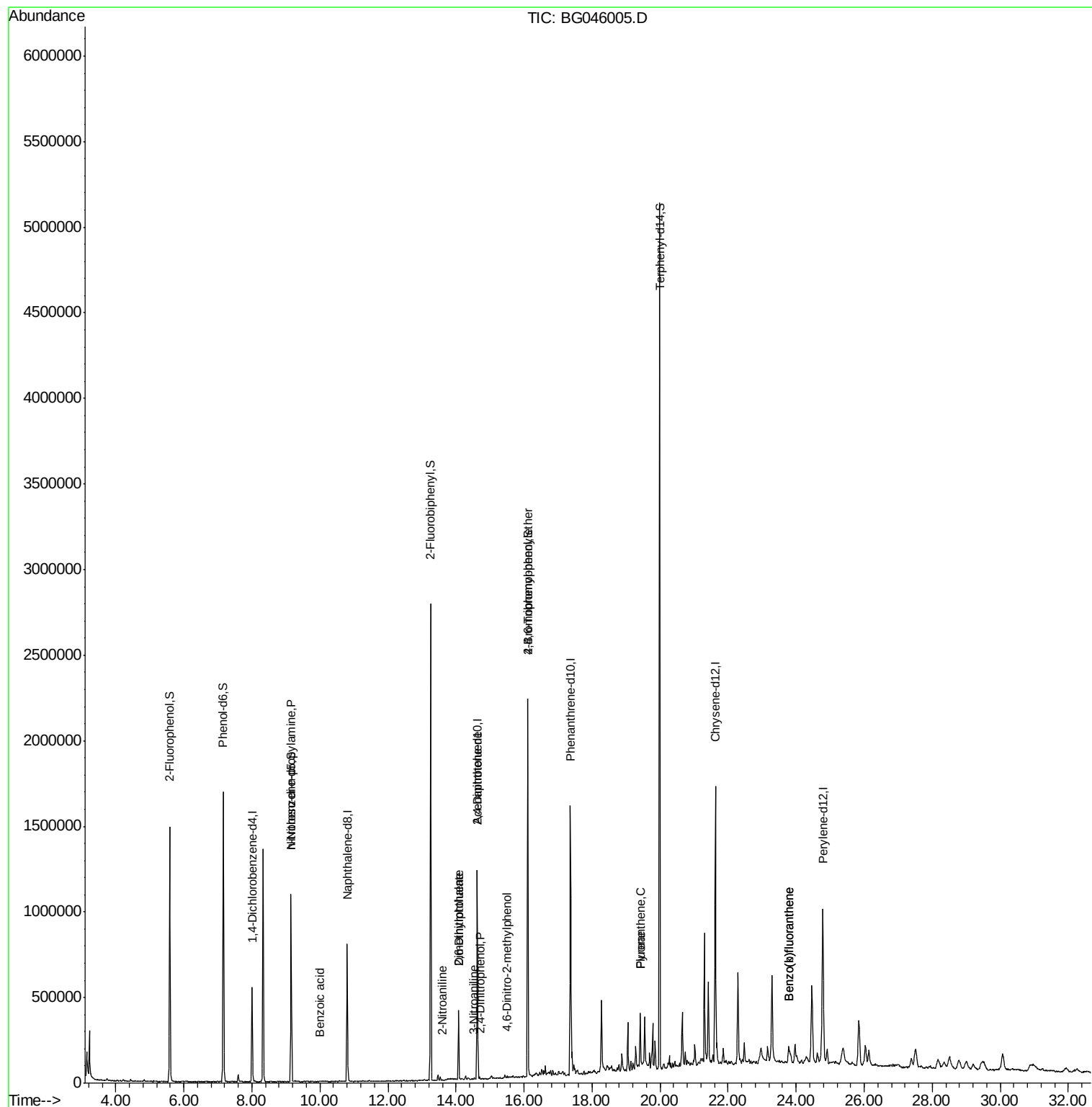
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	94117	9.413	ng	# 77
32) Benzoic acid	10.00	122	278	6.546	ng	# 93
48) 2-Nitroaniline	13.61	65	140	3.389	ng	# 43
50) Dimethylphthalate	14.08	163	256365	8.315	ng	# 98
51) 2,6-Dinitrotoluene	14.08	165	3046	3.825	ng	# 27
53) 3-Nitroaniline	14.53	138	68	2.992	ng	# 1
54) 2,4-Dinitrophenol	14.70	184	60	6.137	ng	# 1
57) 2,4-Dinitrotoluene	14.63	165	55182	11.119	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.49	198	56	6.806	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	24130	2.366	ng	# 1
75) Fluoranthene	19.41	202	170947	3.064	ng	# 98
78) Pylene	19.41	202	170947	2.982	ng	# 94
88) Benzo(b)fluoranthene	23.78	252	120873	2.270	ng	# 96
89) Benzo(k)fluoranthene	23.78	252	120873	2.401	ng	# 97

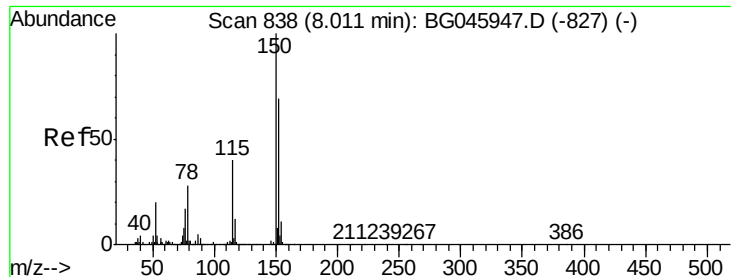
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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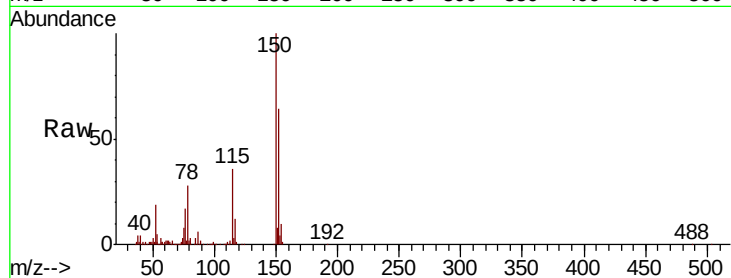


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Instrument :
BNA_G
ClientSampleId :
RO-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	116.7	175.1
115	57.1	47.4	71.0

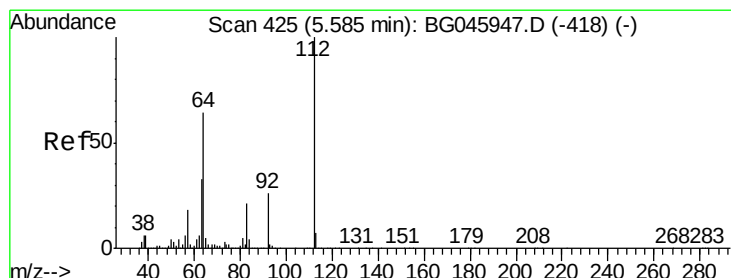
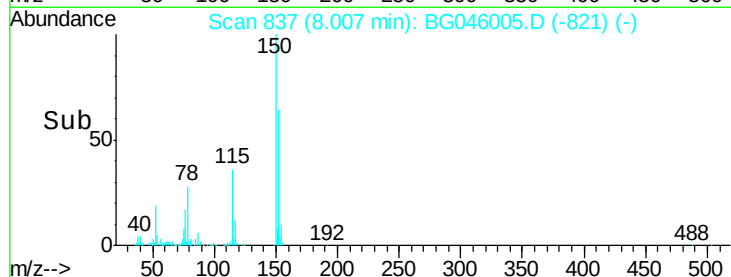
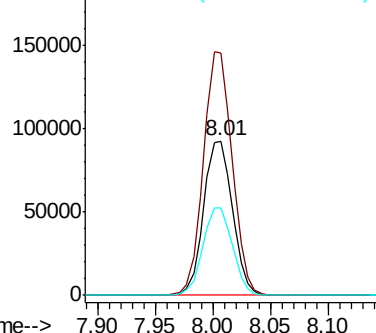


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

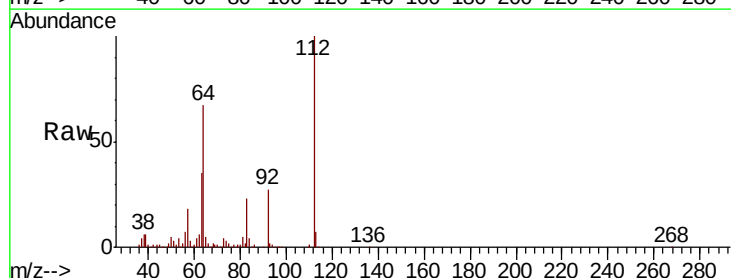
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.526 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	51.4	77.2
63	35.0	26.6	40.0

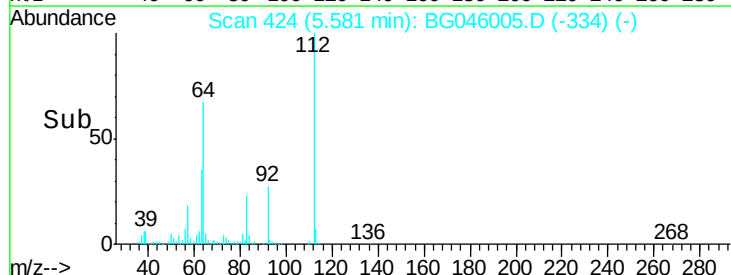
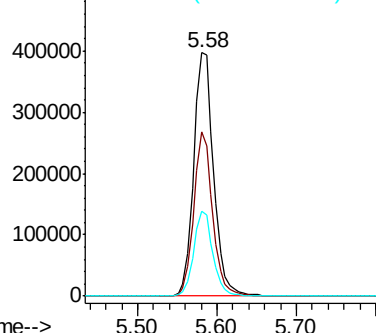


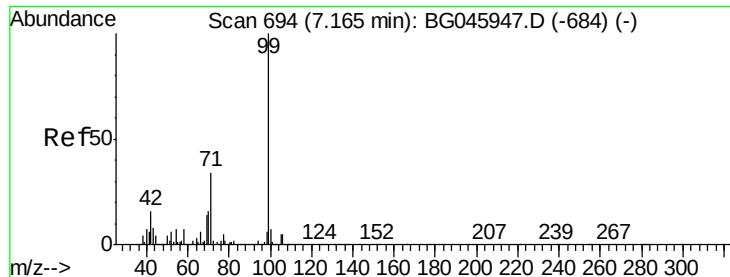
Abundance

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: 73.451 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Instrument :

BNA_G

ClientSampleId :

RO-16

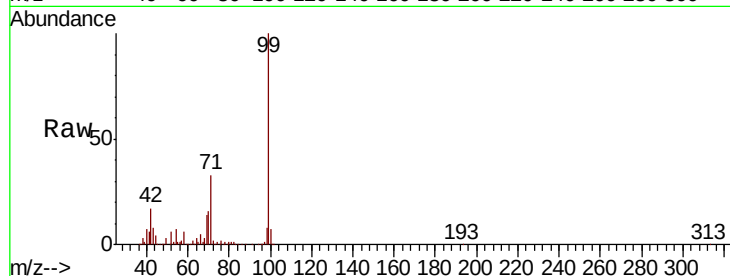
Tot Ion: 99 Resp: 1045382

Ion Ratio Lower Upper

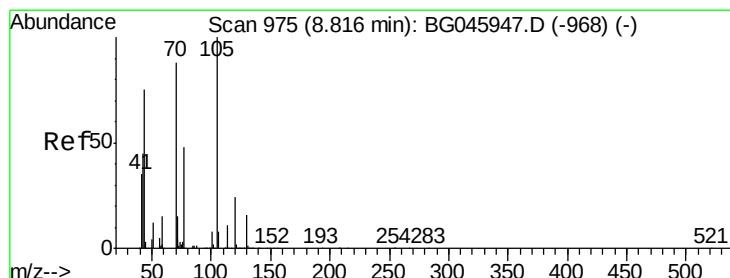
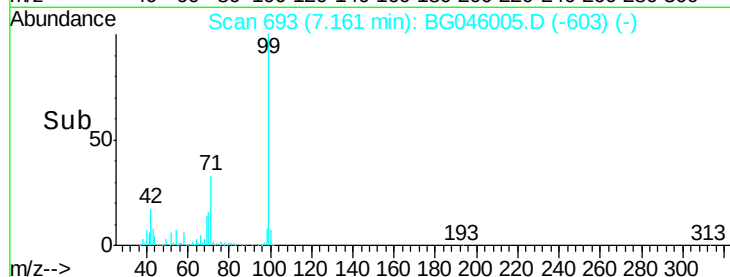
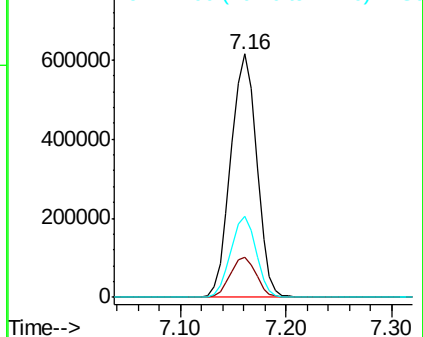
99 100

42 16.7 13.0 19.4

71 33.4 27.5 41.3



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: 9.413 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Tgt Ion: 70 Resp: 94117

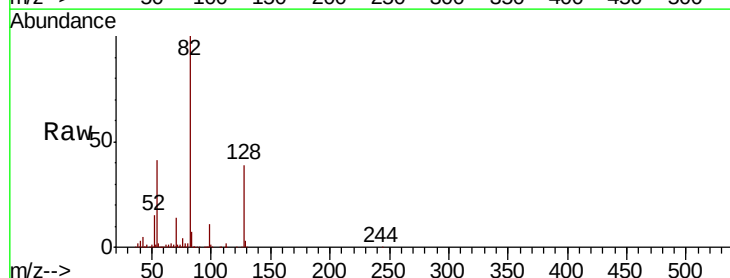
Ion Ratio Lower Upper

70 100

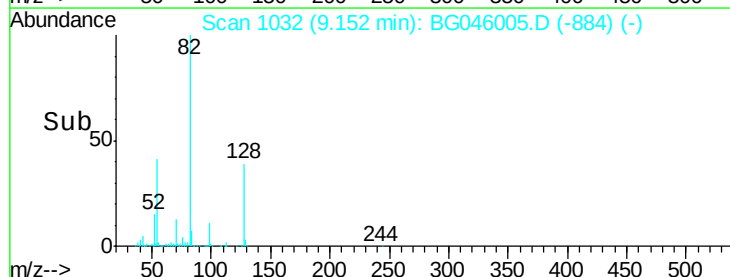
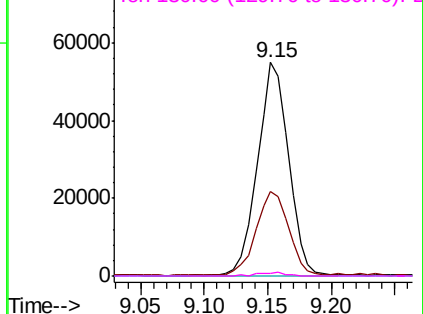
42 39.6 41.4 62.0#

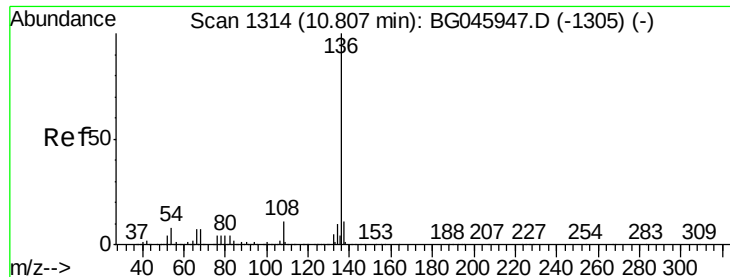
101 0.0 7.1 10.7#

130 1.3 14.9 22.3#



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

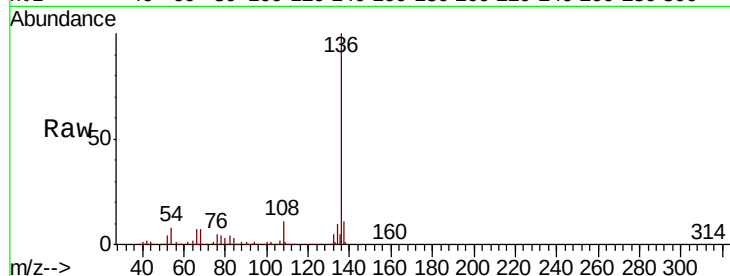




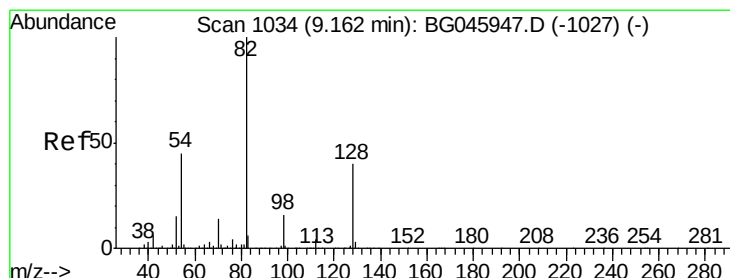
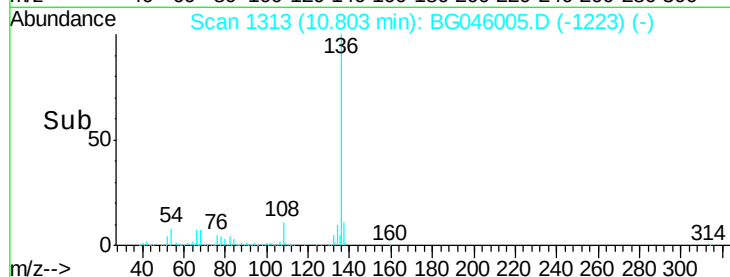
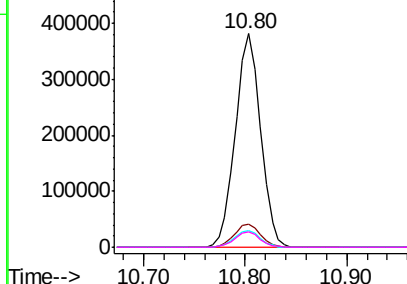
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Instrument :
BNA_G
ClientSampleId :
RO-16

Tot Ion:136	Resp: 658225
Ion Ratio	Lower Upper
136 100	
137 10.6	9.2 13.8
54 7.8	6.2 9.4
68 7.3	5.8 8.8

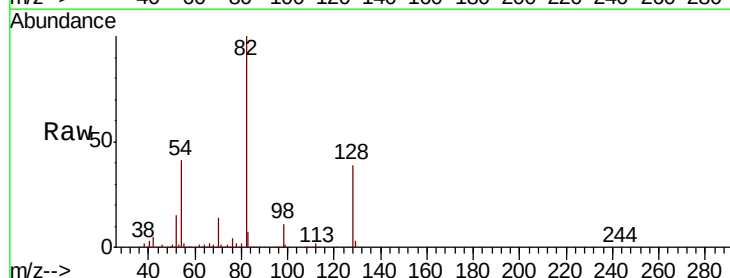


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

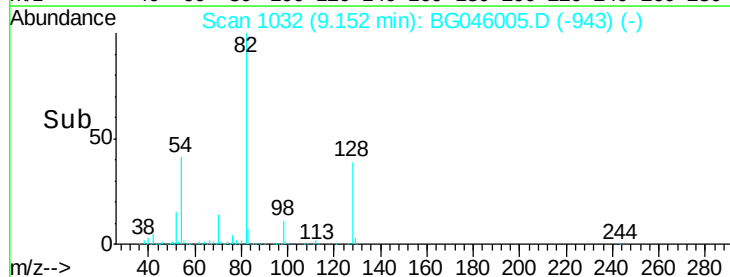
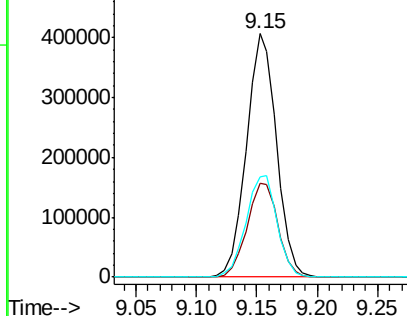


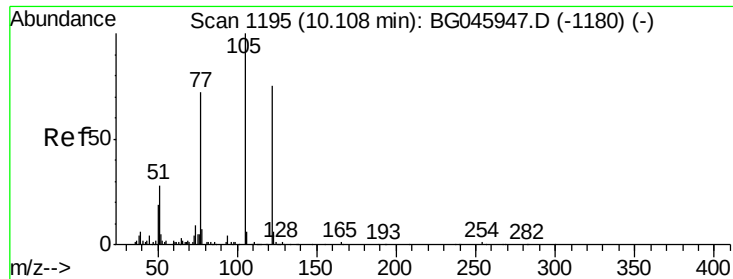
#23
Nitrobenzene-d5
Concen: 61.402 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt	Ion: 82	Resp:	702191
Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.2	48.4
54	41.2	35.8	53.6



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

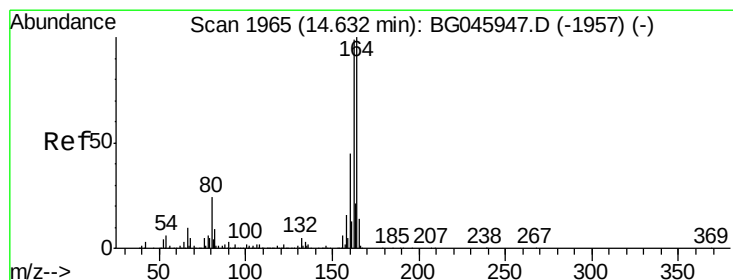
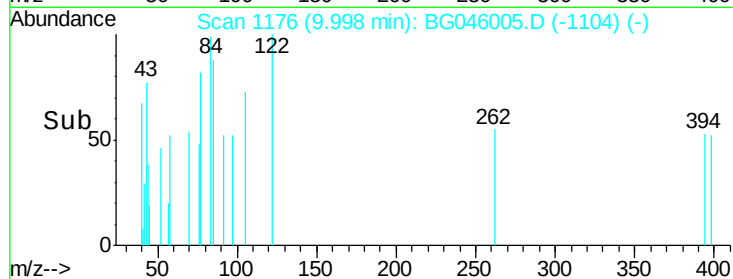
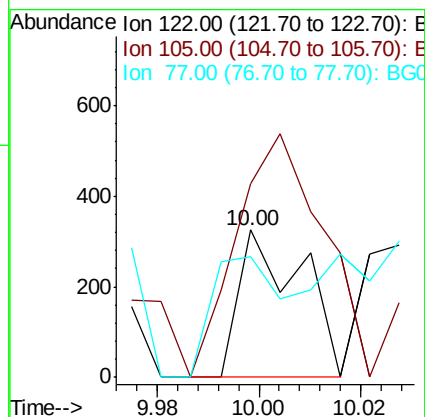
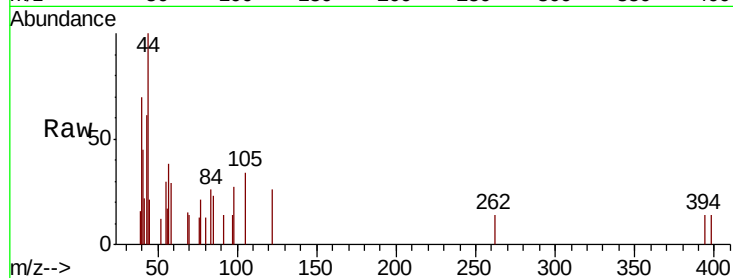




#32
Benzoic acid
Concen: 6.546 ng
RT: 10.00 min Scan# 1176
Delta R.T. -0.11 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

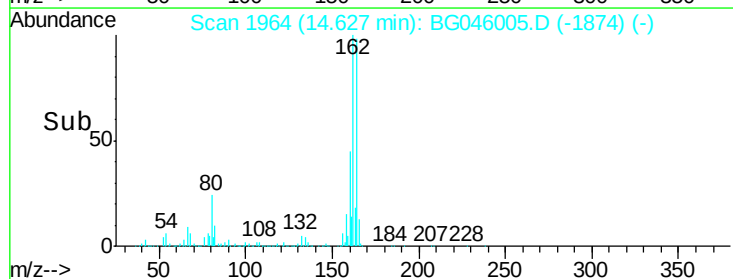
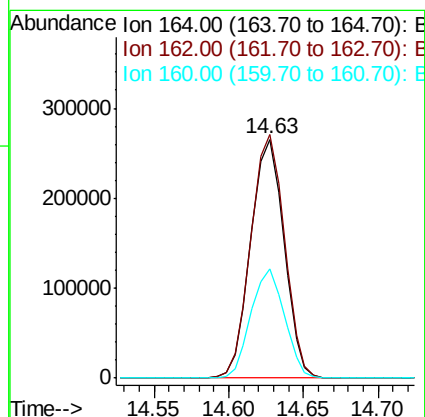
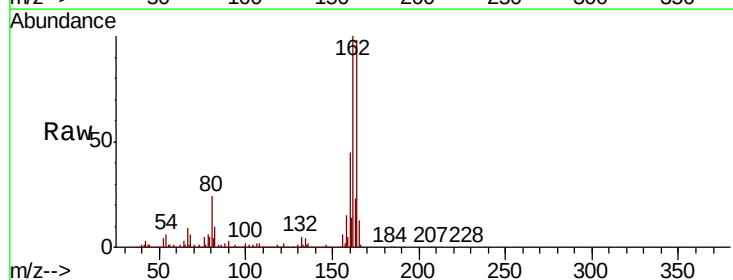
Instrument :
BNA_G
ClientSampled :
RO-16

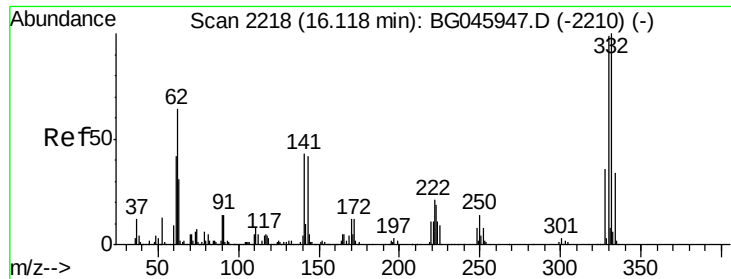
Tot Ion:122 Resp: 278
Ion Ratio Lower Upper
122 100
105 132.0 110.8 150.8
77 82.2 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt Ion:164 Resp: 410819
Ion Ratio Lower Upper
164 100
162 102.0 79.3 118.9
160 45.8 35.7 53.5

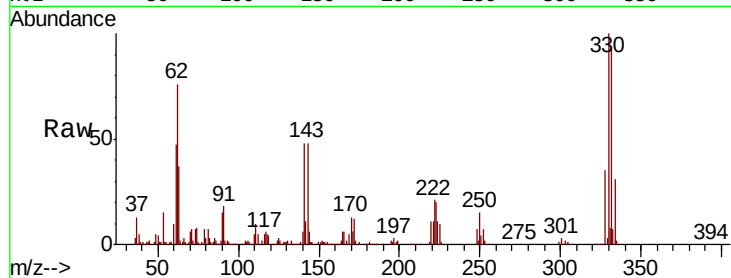




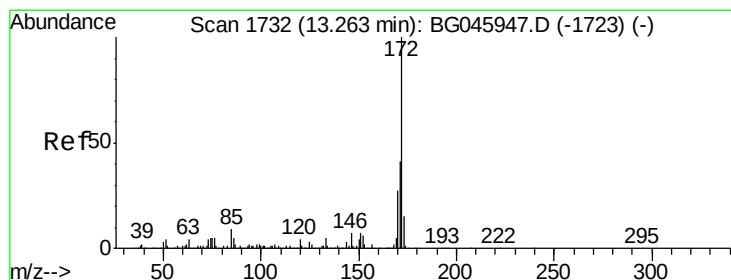
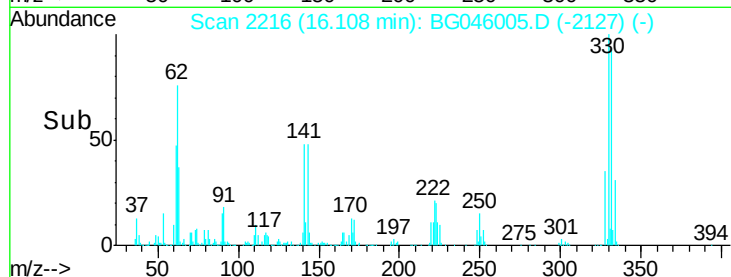
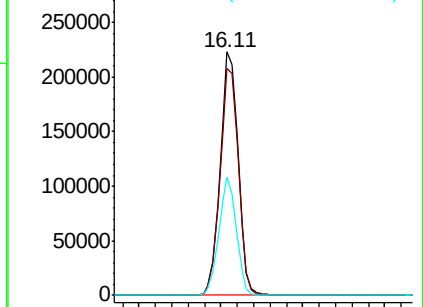
#42
2,4,6-Tribromophenol
Concen: 89.423 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Instrument :
BNA_G
ClientSampled :
RO-16

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.3	117.5
141	47.5	36.6	54.8

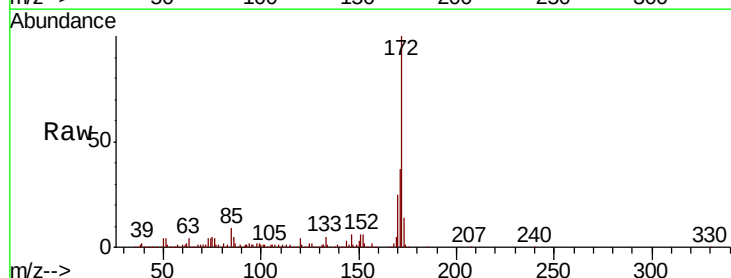


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

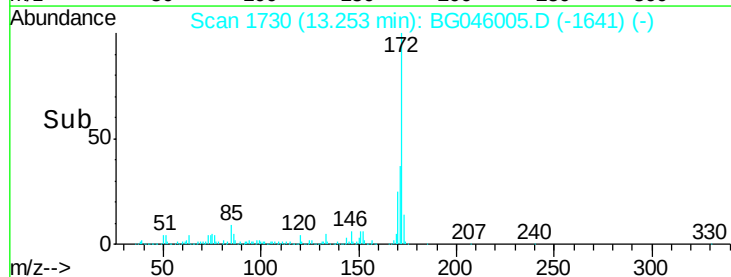
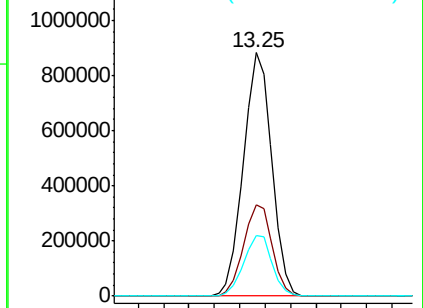


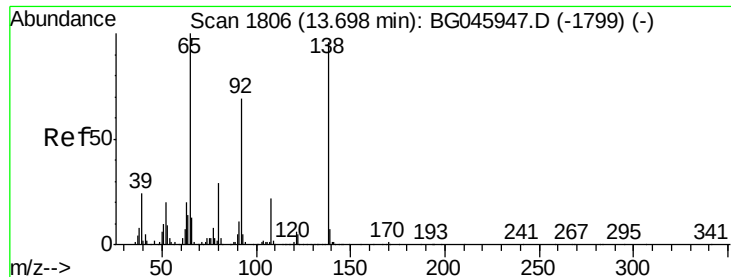
#45
2-Fluorobiphenyl
Concen: 52.037 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.9	49.3
170	25.1	21.8	32.6



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

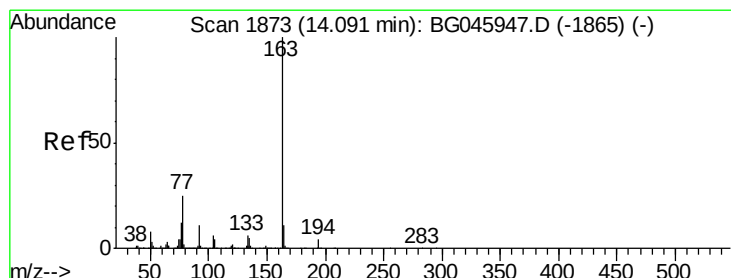
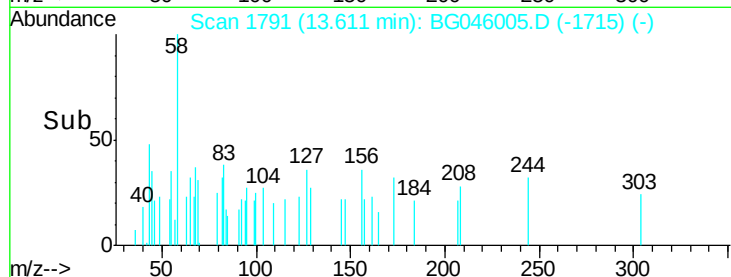
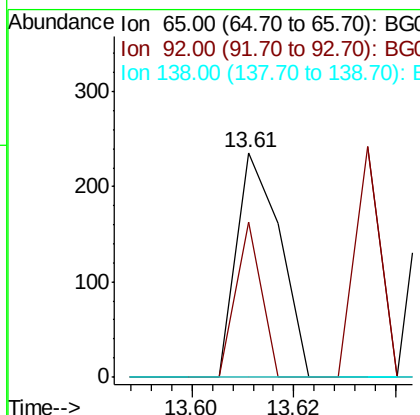
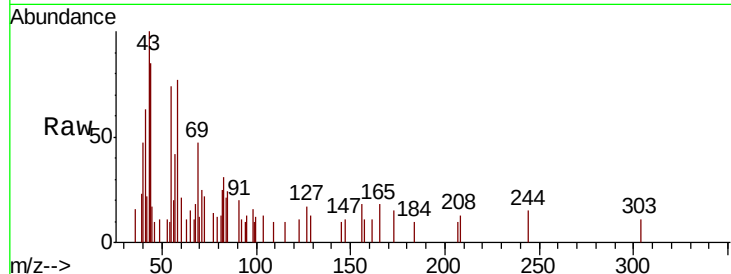




#48
2-Nitroaniline
Concen: 3.389 ng
RT: 13.61 min Scan# 1791
Delta R.T. -0.09 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

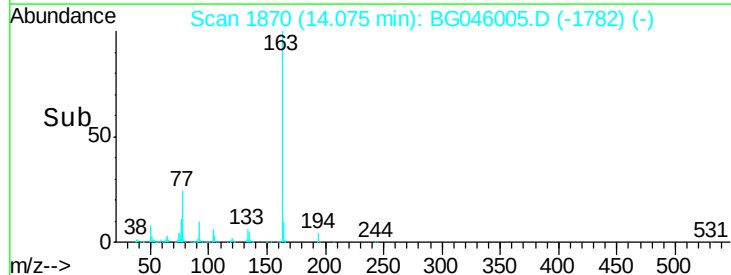
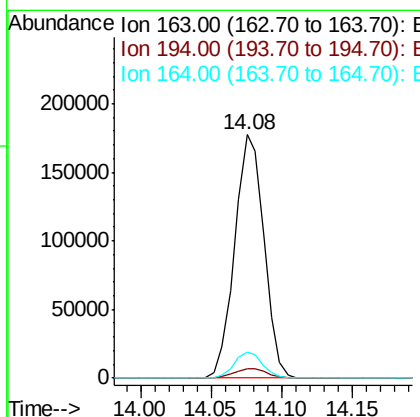
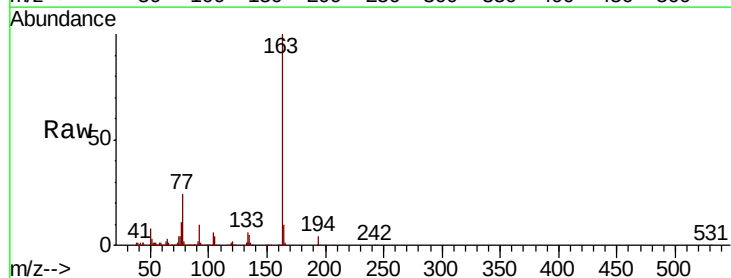
Instrument :
BNA_G
ClientSampled :
RO-16

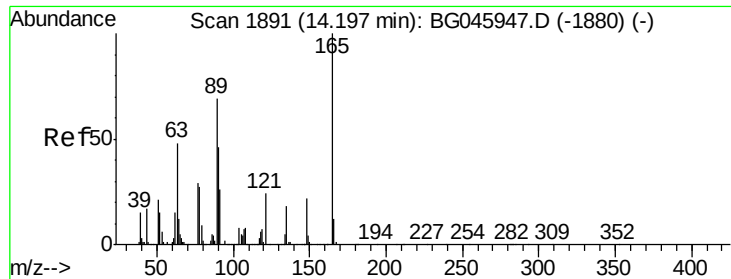
Tot Ion: 65 Resp: 140
Ion Ratio Lower Upper
65 100
92 69.1 55.4 83.0
138 0.0 77.0 115.4#



#50
Dimethylphthalate
Concen: 8.315 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt Ion: 163 Resp: 256365
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 10.5 8.9 13.3

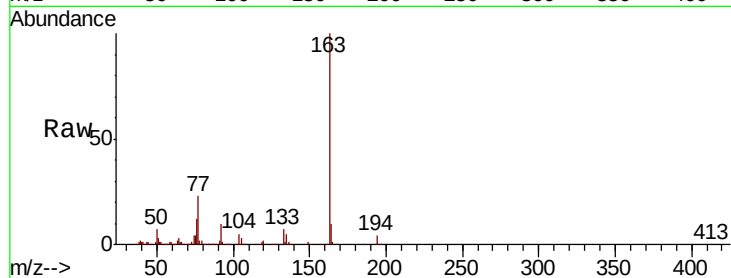




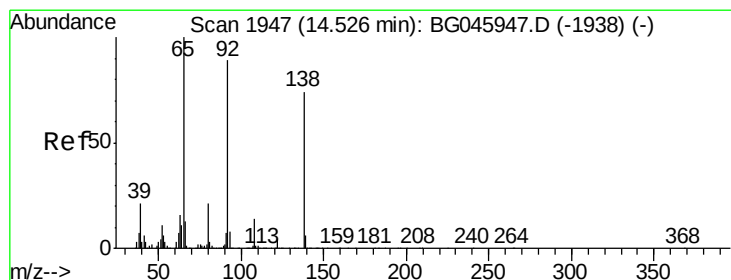
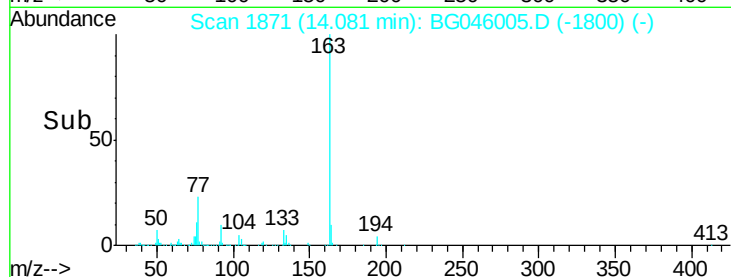
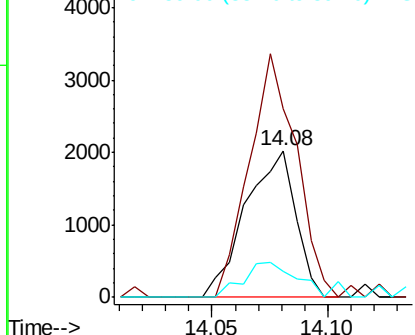
#51
 2,6-Dinitrotoluene
 Concen: 3.825 ng
 RT: 14.08 min Scan# 1871
 Delta R.T. -0.11 min
 Lab File: BG046005.D
 Acq: 10 Jul 2020 13:46

Instrument :
 BNA_G
 ClientSampleId :
 RO-16

Tot Ion:165 Resp: 3046
 Ion Ratio Lower Upper
 165 100
 63 128.2 51.0 76.4#
 89 17.7 55.7 83.5#

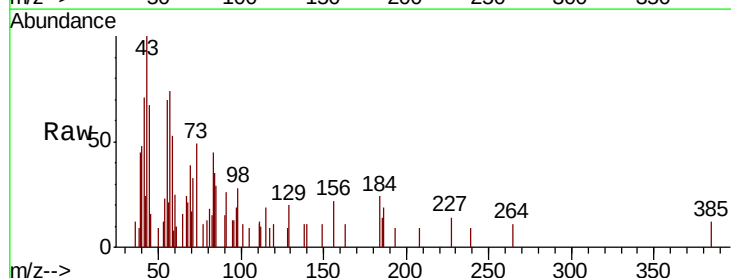


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

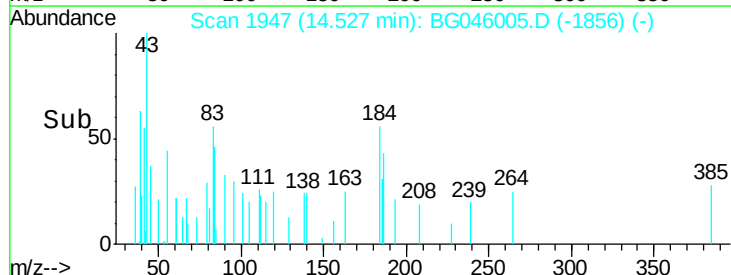
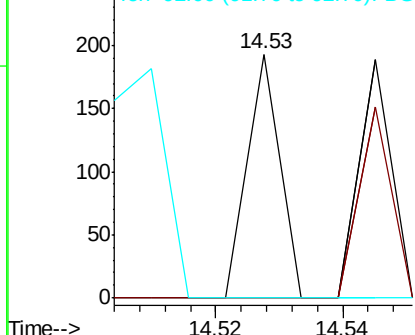


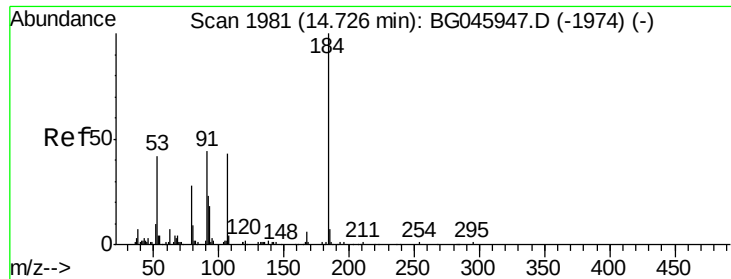
#53
 3-Nitroaniline
 Concen: 2.992 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.00 min
 Lab File: BG046005.D
 Acq: 10 Jul 2020 13:46

Tgt Ion:138 Resp: 68
 Ion Ratio Lower Upper
 138 100
 108 0.0 15.4 23.2#
 92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BG0

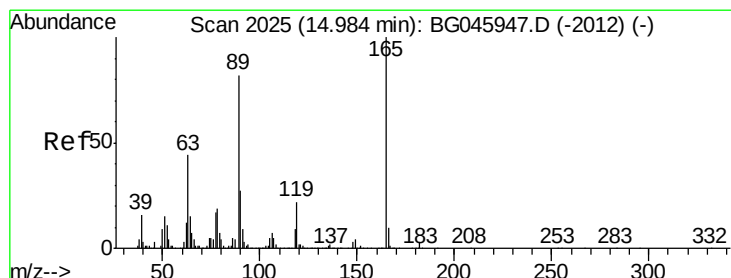
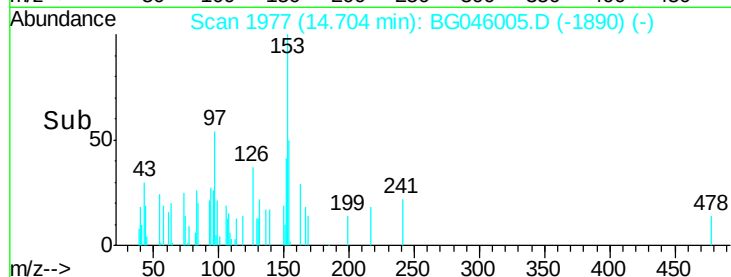
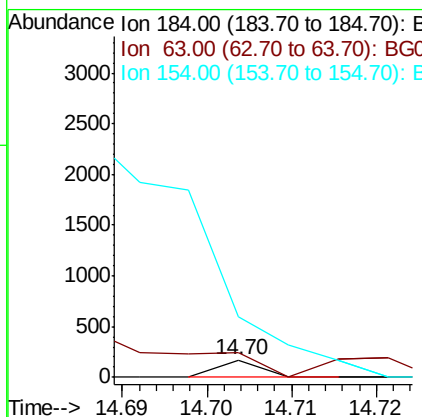
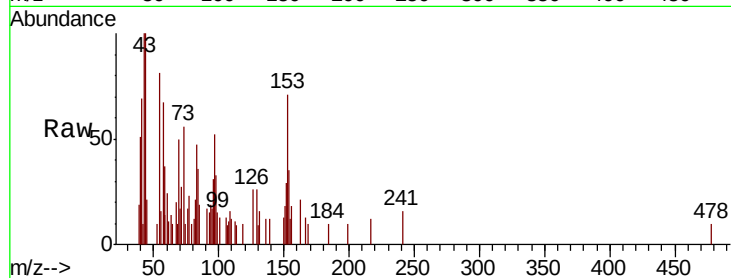




#54
2,4-Dinitrophenol
Concen: 6.137 ng
RT: 14.70 min Scan# 1977
Delta R.T. -0.02 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

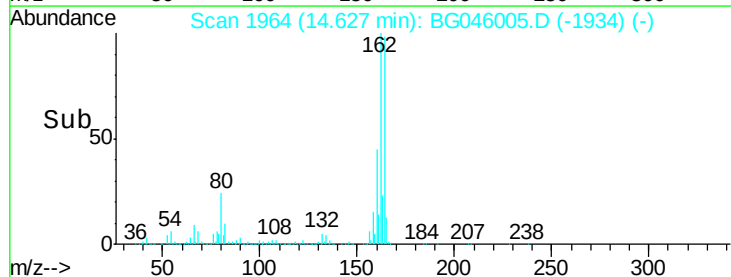
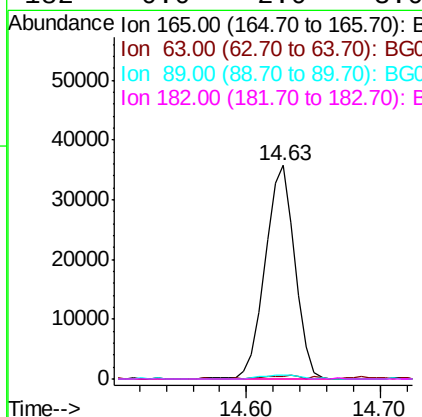
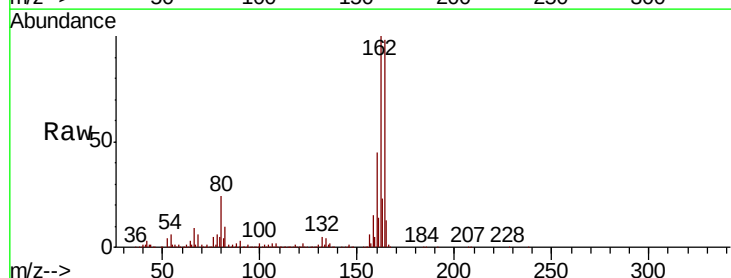
Instrument :
BNA_G
ClientSampleId :
RO-16

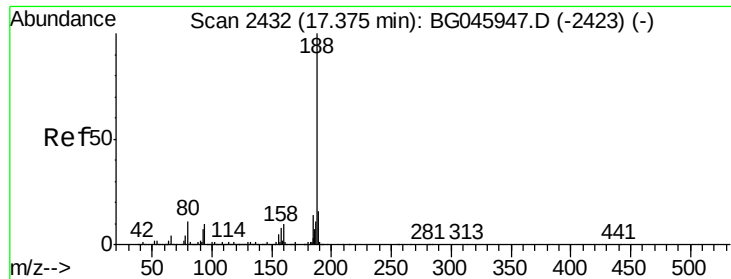
Tot Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 143.8 46.0 69.0#
154 349.7 58.2 87.2#



#57
2,4-Dinitrotoluene
Concen: 11.119 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt Ion:165 Resp: 55182
Ion Ratio Lower Upper
165 100
63 1.5 35.4 53.0#
89 1.8 65.4 98.2#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Instrument :

BNA_G

ClientSampleId :

RO-16

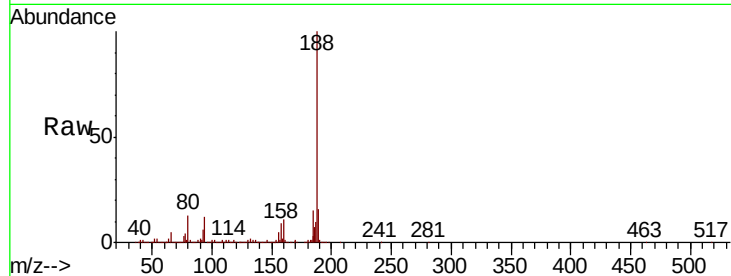
Tot Ion:188 Resp: 912993

Ion Ratio Lower Upper

188 100

94 11.5 8.2 12.4

80 13.2 9.0 13.6



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

800000

600000

400000

200000

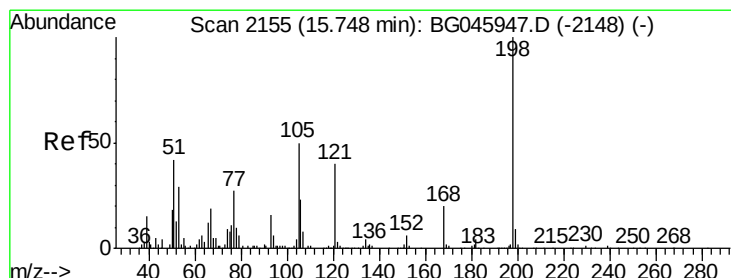
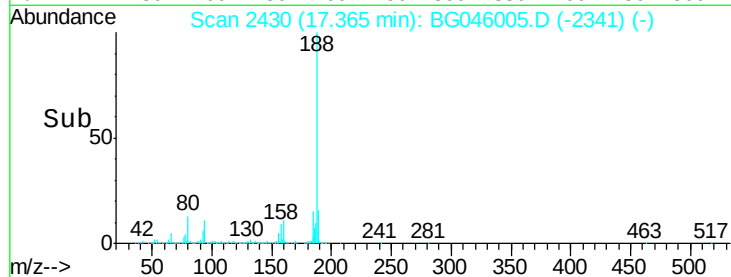
0

17.36

17.30

17.40

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.806 ng

RT: 15.49 min Scan# 2111

Delta R.T. -0.26 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

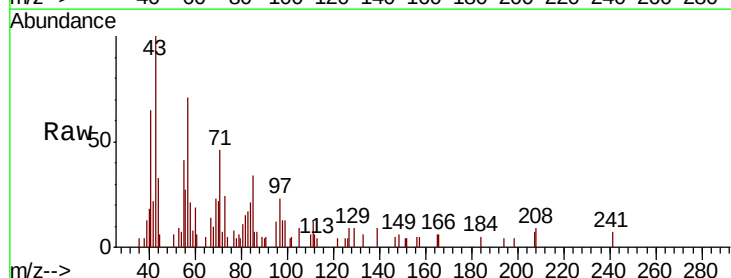
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 141.8 24.5 64.5#

105 236.7 30.9 70.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

500

400

300

200

100

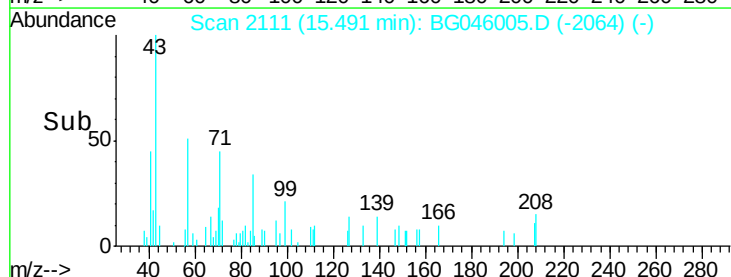
0

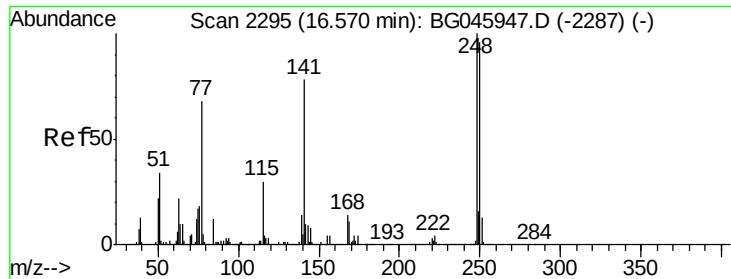
15.49

15.48

15.50

Time-->





#67

4-Bromophenyl-phenylether

Concen: 2.366 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.46 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Instrument :

BNA_G

ClientSampleId :

RO-16

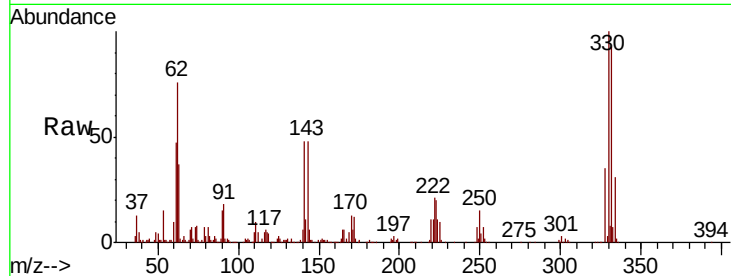
Tot Ion:248 Resp: 24130

Ion Ratio Lower Upper

248 100

250 197.7 76.6 114.8#

141 647.0 62.7 94.1#

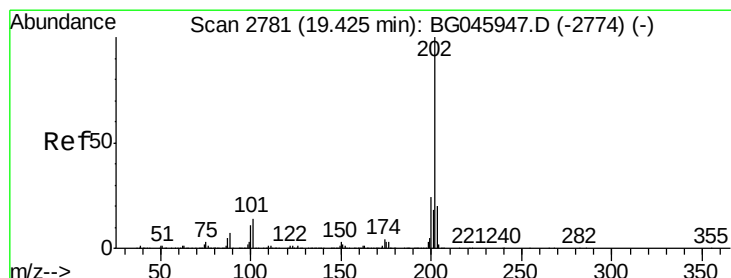
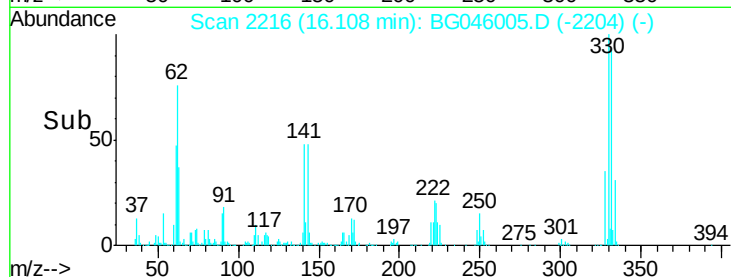
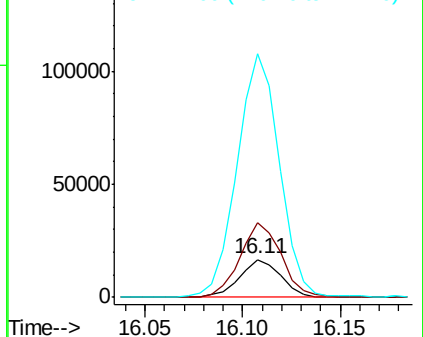


Abundance

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



#75

Fluoranthene

Concen: 3.064 ng

RT: 19.41 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

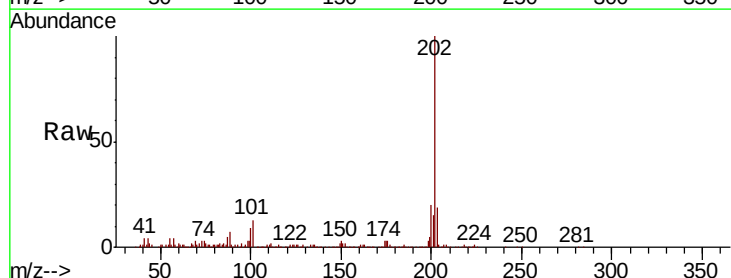
Tgt Ion:202 Resp: 170947

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.8

203 19.4 0.4 40.4

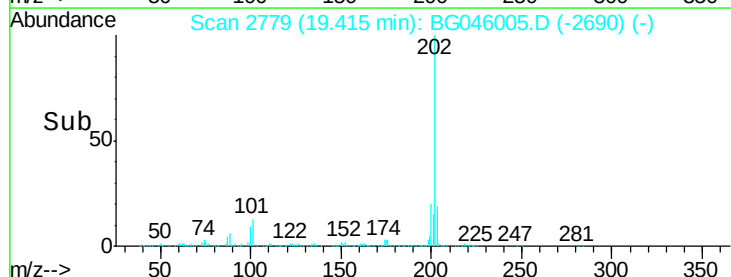
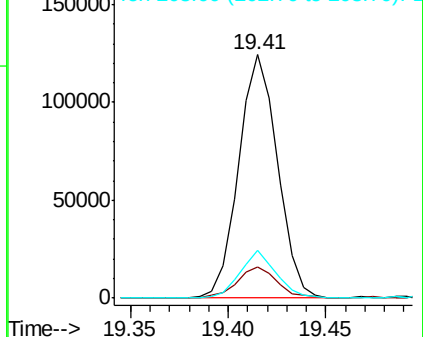


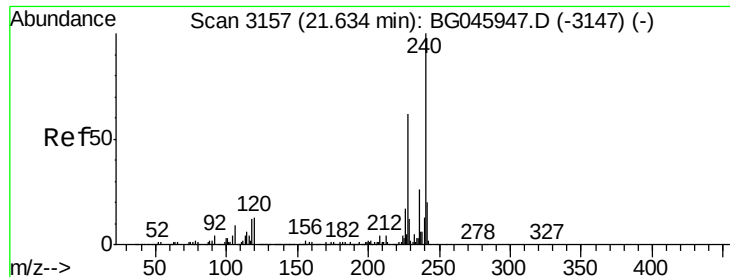
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

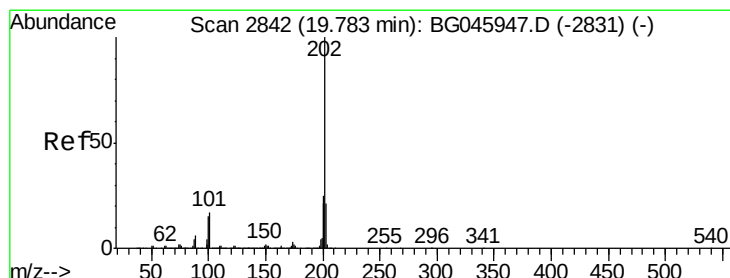
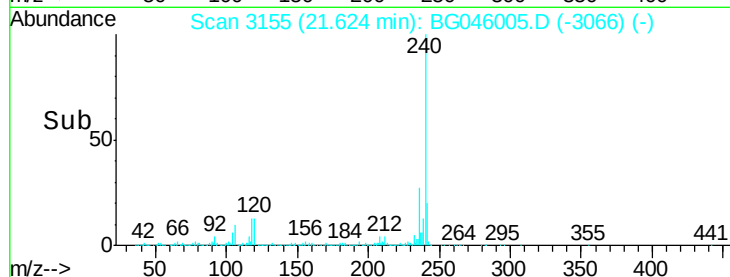
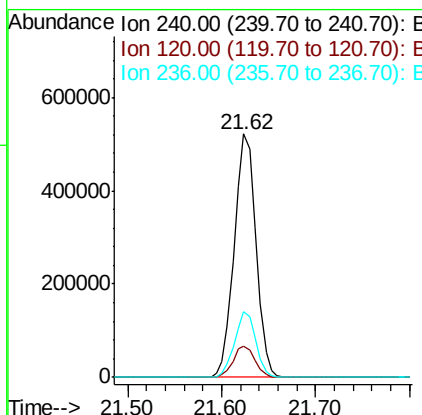
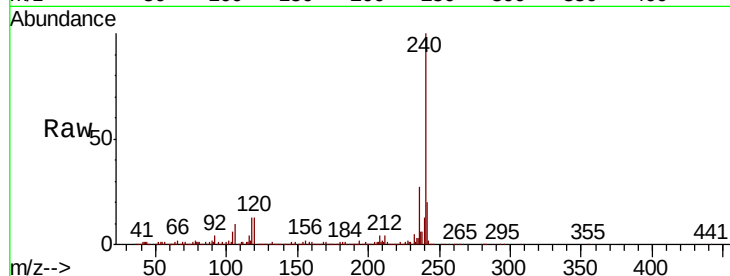




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

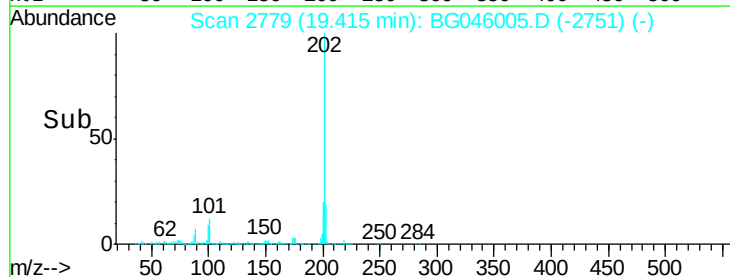
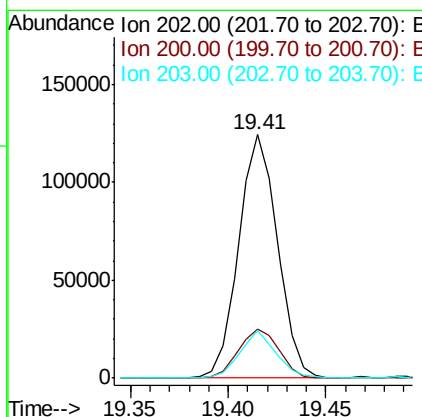
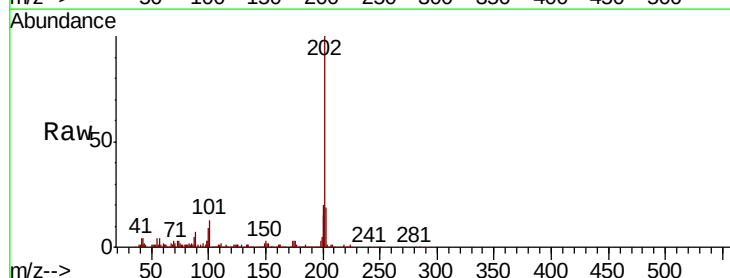
Instrument :
BNA_G
ClientSampleId :
RO-16

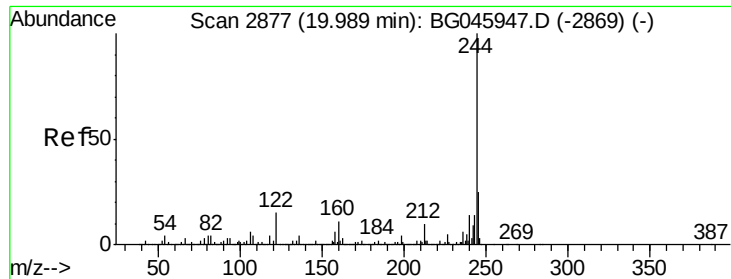
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.6	16.0
236	26.9	20.4	30.6



#78
Pyrene
Concen: 2.982 ng
RT: 19.41 min Scan# 2779
Delta R.T. -0.37 min
Lab File: BG046005.D
Acq: 10 Jul 2020 13:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	20.1	30.1
203	19.4	16.5	24.7





#79

Terphenyl-d14

Concen: 54.913 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Instrument :

BNA_G

ClientSampleId :

RO-16

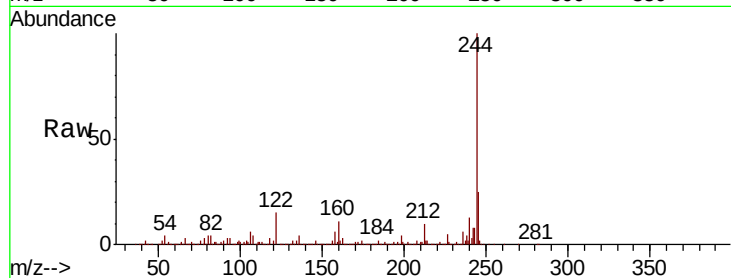
Tot Ion:244 Resp: 2072519

Ion Ratio Lower Upper

244 100

212 9.5 8.3 12.5

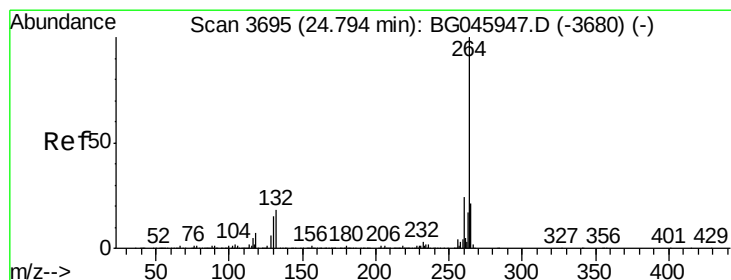
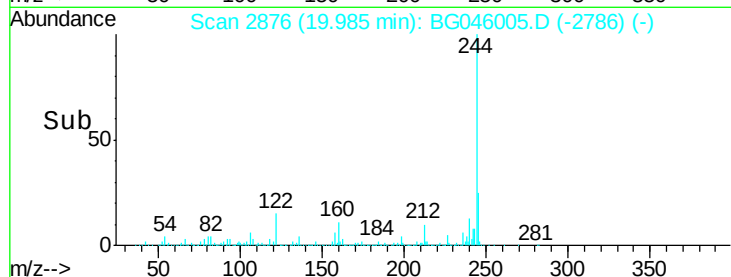
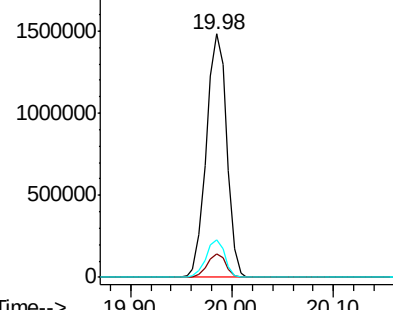
122 15.5 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

2000000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

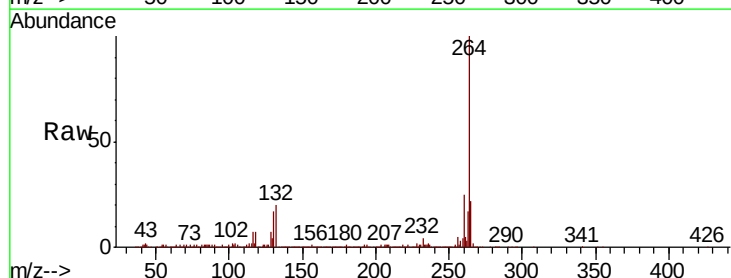
Tgt Ion:264 Resp: 838646

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

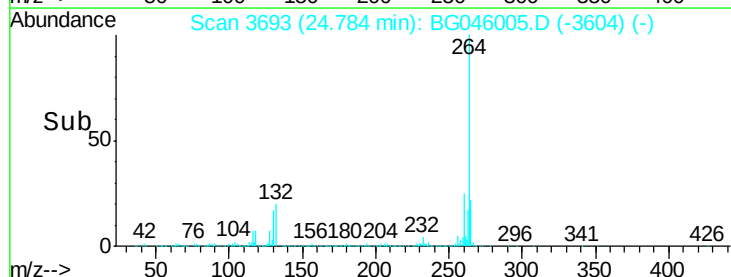
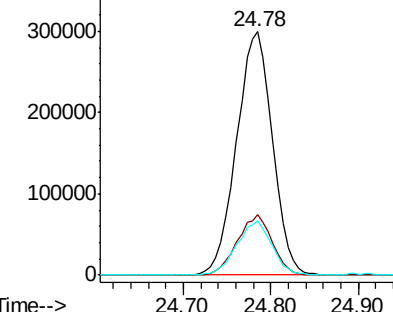
265 22.4 16.9 25.3

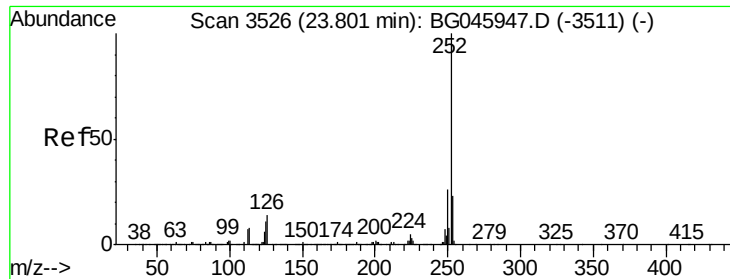


Abundance Ion 264.00 (263.70 to 264.70): E

400000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.270 ng

RT: 23.78 min Scan# 3522

Delta R.T. -0.02 min

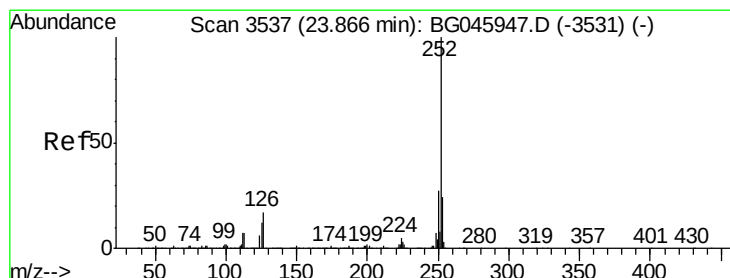
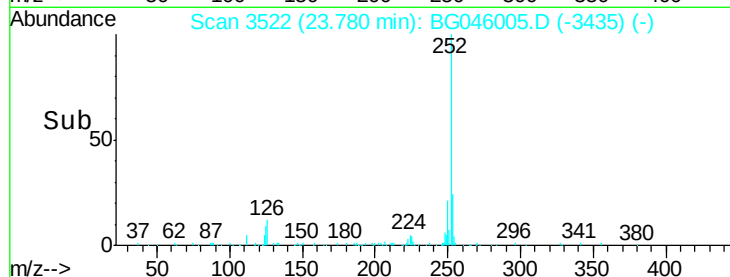
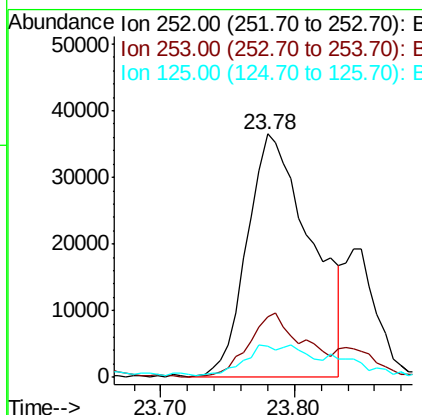
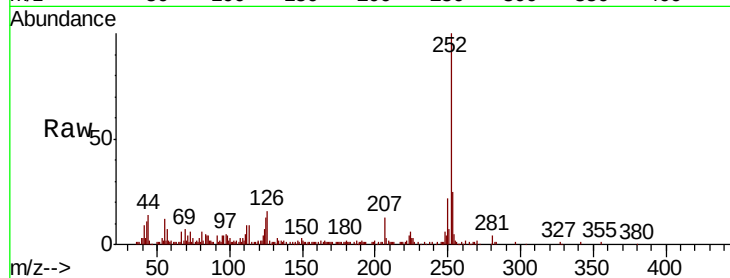
Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Instrument :
BNA_G
ClientSampleId :
RO-16

Tot Ion:252 Resp: 120873

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	13.0	9.2	13.8



#89

Benzo(k)fluoranthene

Concen: 2.401 ng

RT: 23.78 min Scan# 3522

Delta R.T. -0.09 min

Lab File: BG046005.D

Acq: 10 Jul 2020 13:46

Tgt Ion:252 Resp: 120873

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.9	28.3
125	13.0	9.6	14.4

