

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\
 Data File : BG046627.D
 Acq On : 15 Sep 2020 16:47
 Operator : CG/JU
 Sample : L3867-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-091420

Quant Time: Sep 15 18:50:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 13:09:36 2020
 Response via : Initial Calibration

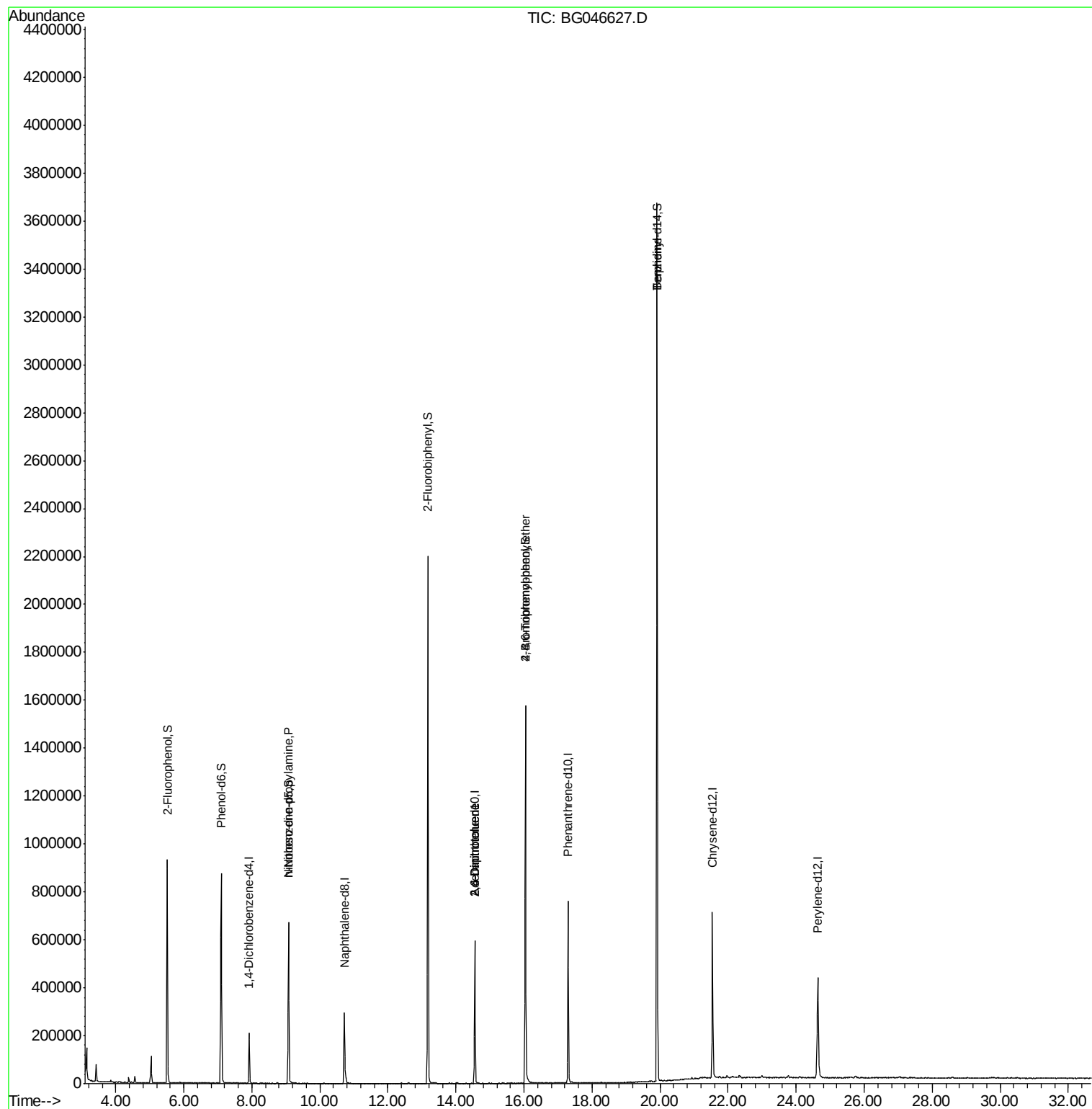
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	66852	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	294446	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	229172	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	508460	20.00	ng	0.00
76) Chrysene-d12	21.54	240	463884	20.00	ng	0.00
86) Perylene-d12	24.64	264	451165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	445793	118.11	ng	0.00
7) Phenol-d6	7.10	99	572931	107.08	ng	0.00
23) Nitrobenzene-d5	9.08	82	442534	85.90	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	334535	107.74	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1249522	83.23	ng	0.00
79) Terphenyl-d14	19.91	244	1646968	75.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	56229	17.569	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	30210	7.730	ng	# 33
57) 2,4-Dinitrotoluene	14.55	165	30210	5.421	ng	# 33
67) 4-Bromophenyl-phenylether	16.04	248	25835	4.355	ng	# 1
77) Benzidine	19.91	184	24825	2.303	ng	96

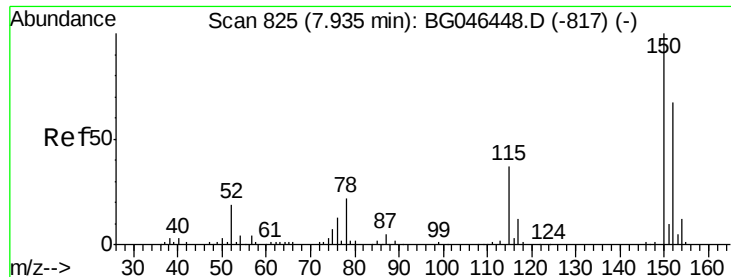
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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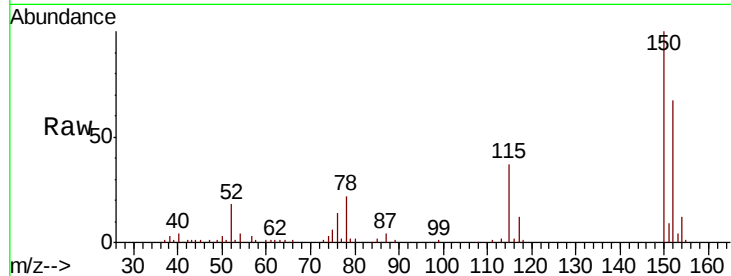


#1

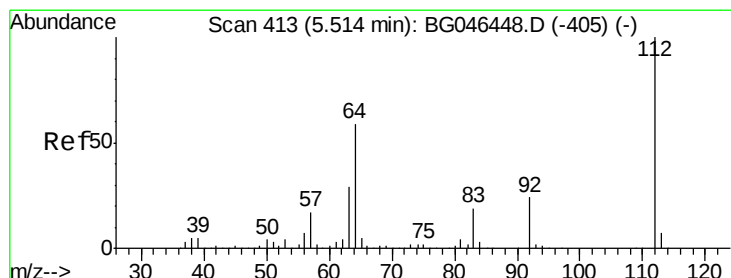
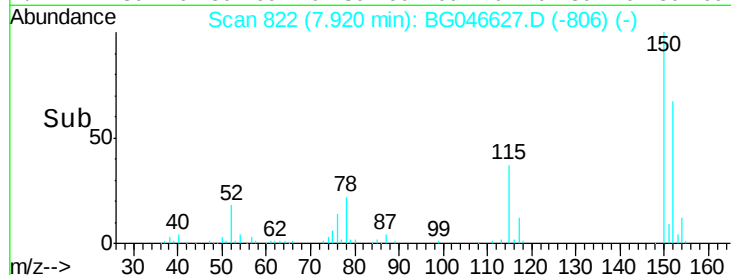
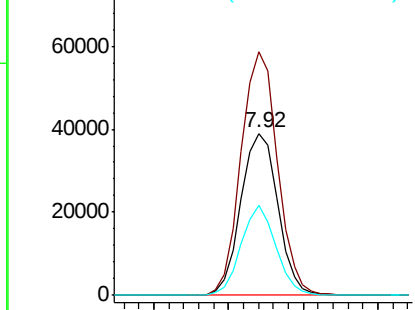
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG046627.D
Acq: 15 Sep 2020 16:47

Instrument :
BNA_G
ClientSampleId :
EO-02-091420

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	119.5	179.3
115	55.9	44.3	66.5



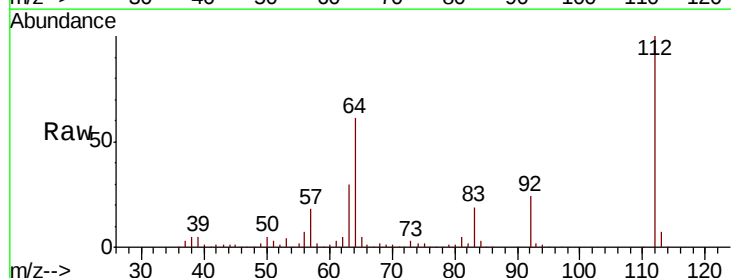
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



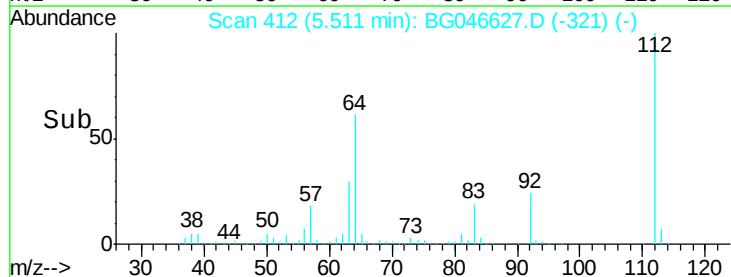
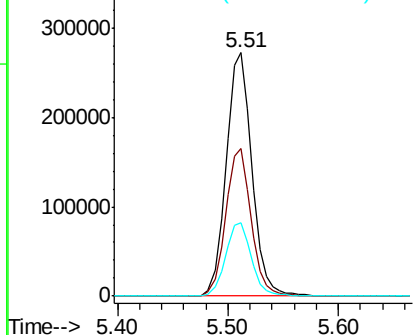
#5

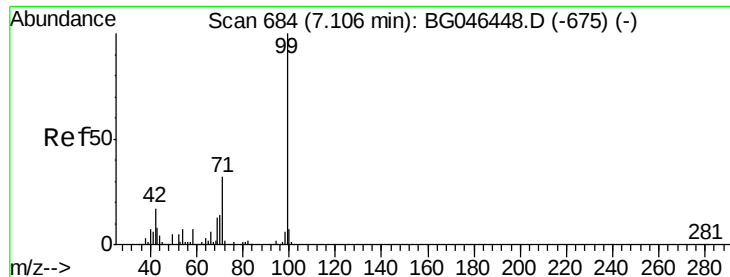
2-Fluorophenol
Concen: 118.109 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.01 min
Lab File: BG046627.D
Acq: 15 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.0	70.6
63	30.3	23.5	35.3



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: 107.077 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG046627.D

Acq: 15 Sep 2020 16:47

Instrument :

BNA_G

ClientSampleId :

EO-02-091420

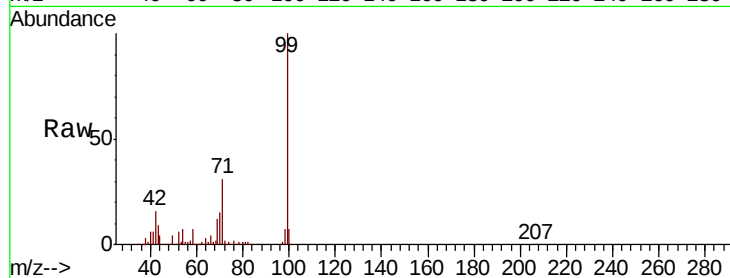
Tot Ion: 99 Resp: 572931

Ion Ratio Lower Upper

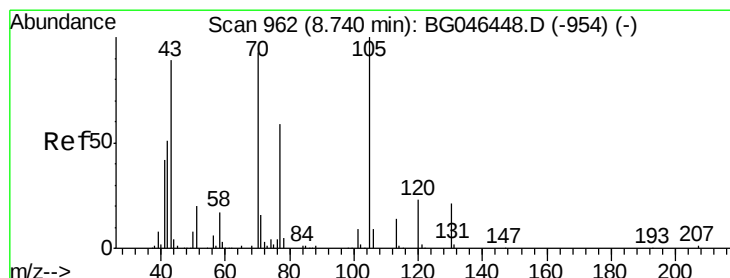
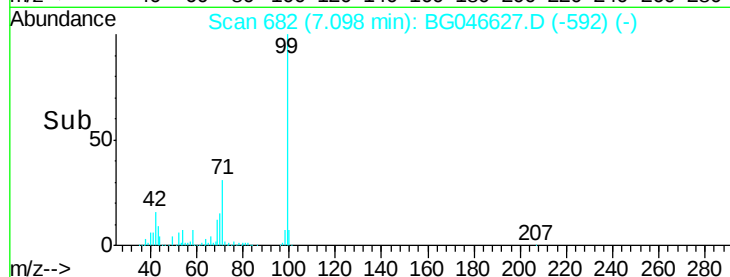
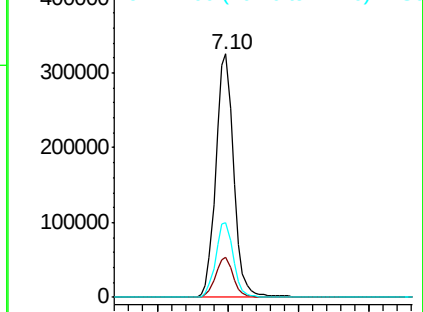
99 100

42 16.2 13.3 19.9

71 30.8 25.3 37.9



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: 17.569 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046627.D

Acq: 15 Sep 2020 16:47

Tgt Ion: 70 Resp: 56229

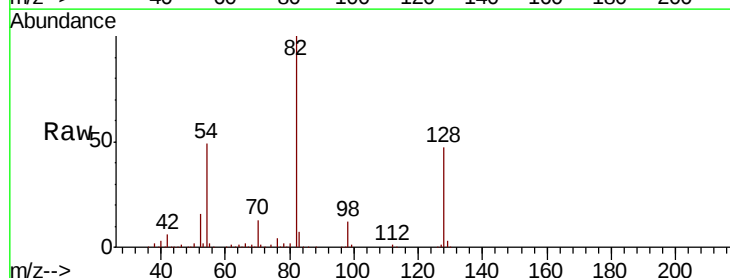
Ion Ratio Lower Upper

70 100

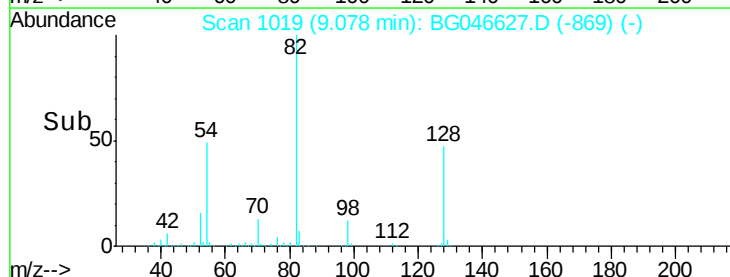
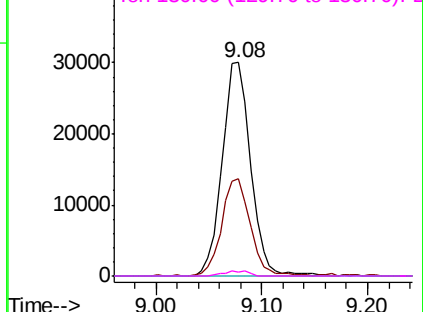
42 45.5 44.2 66.2

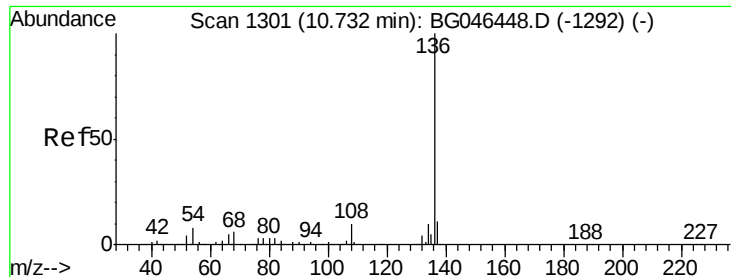
101 0.0 7.8 11.8#

130 2.0 18.2 27.4#



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

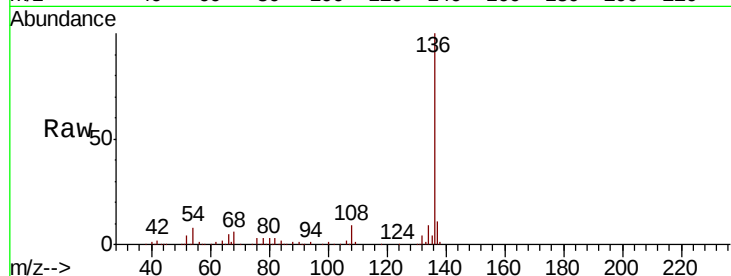




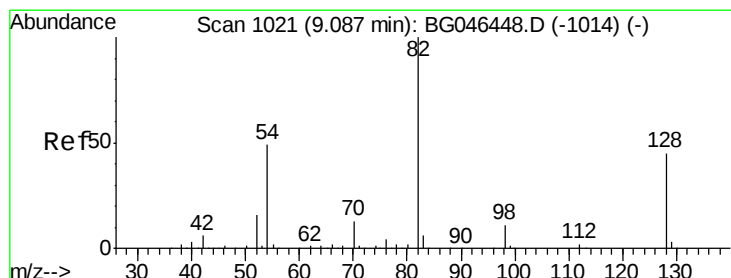
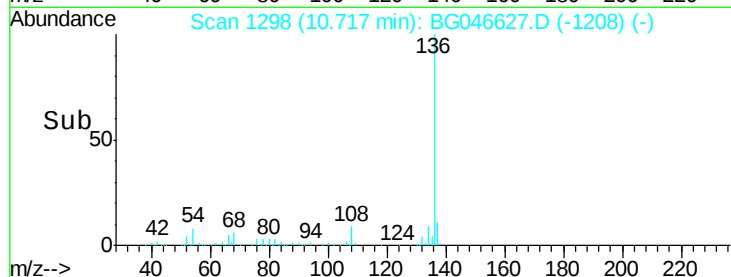
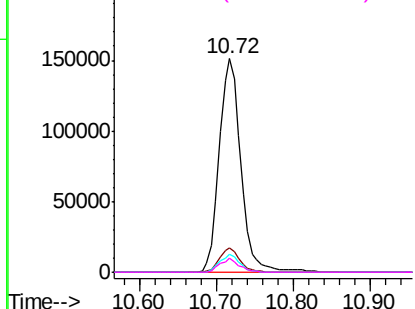
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046627.D
Acq: 15 Sep 2020 16:47

Instrument :
BNA_G
ClientSampleId :
EO-02-091420

Tot Ion:136	Resp:	294446
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.8	13.2
54 8.2	6.1	9.1
68 6.4	4.8	7.2

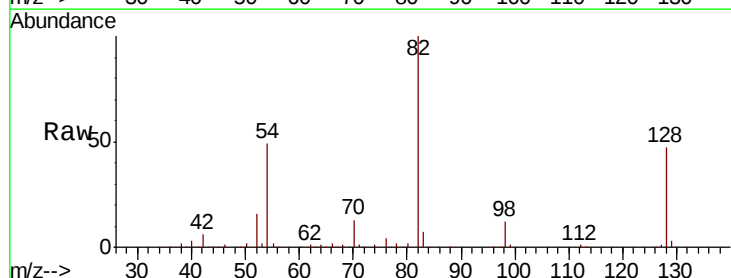


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

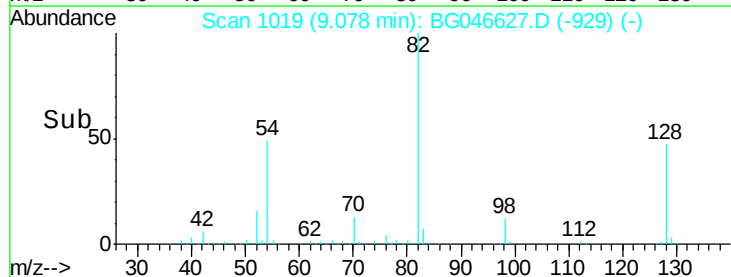
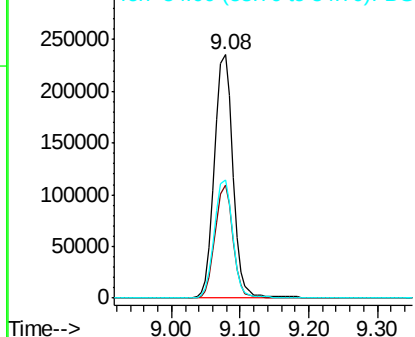


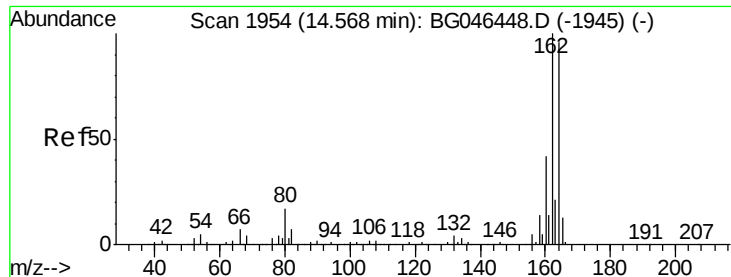
#23
Nitrobenzene-d5
Concen: 85.901 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG046627.D
Acq: 15 Sep 2020 16:47

Tgt	Ion: 82	Resp:	442534
Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.7	53.5
54	48.5	39.4	59.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG046627.D

Acq: 15 Sep 2020 16:47

Instrument :

BNA_G

ClientSampleId :

EO-02-091420

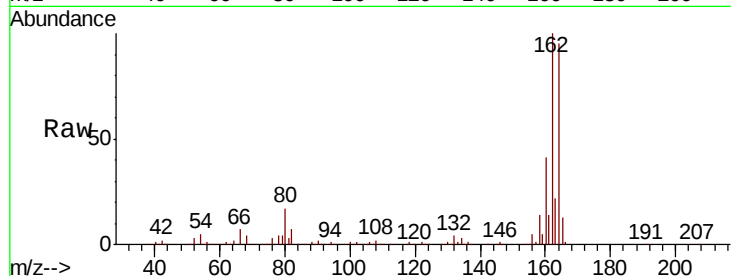
Tot Ion:164 Resp: 229172

Ion Ratio Lower Upper

164 100

162 104.9 83.3 124.9

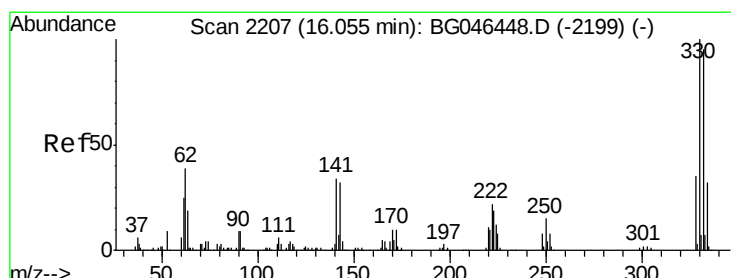
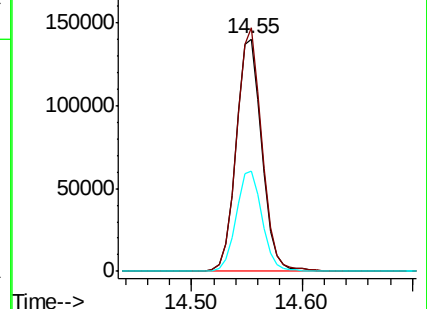
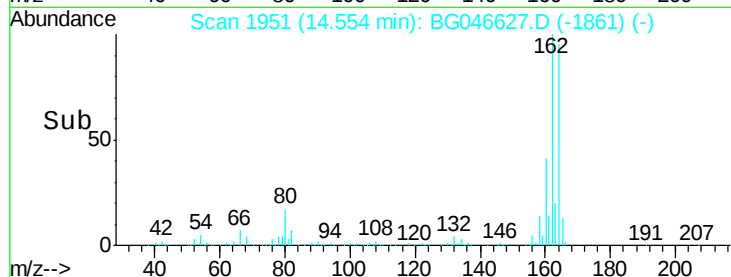
160 43.1 35.0 52.6



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: 107.737 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BG046627.D

Acq: 15 Sep 2020 16:47

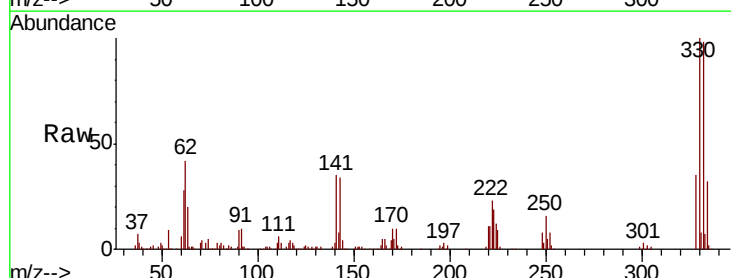
Tgt Ion:330 Resp: 334535

Ion Ratio Lower Upper

330 100

332 94.5 76.1 114.1

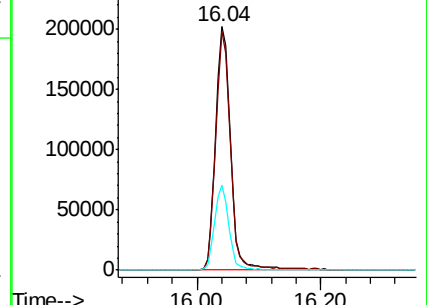
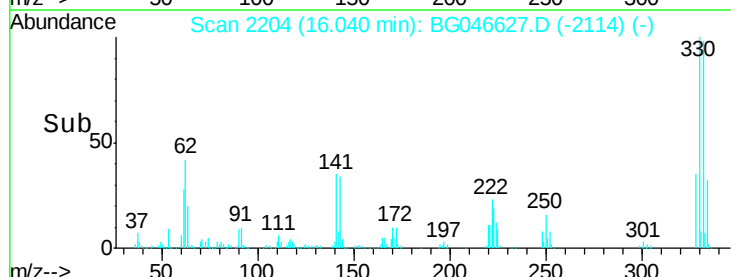
141 33.1 26.1 39.1

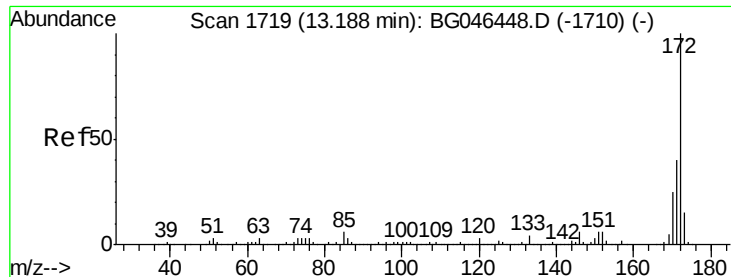


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



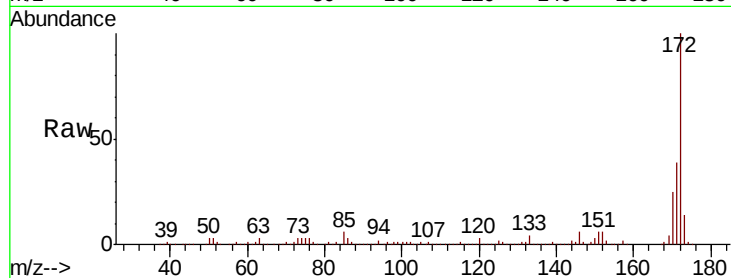


#45
 2-Fluorobiphenyl
 Concen: 83.233 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG046627.D
 Acq: 15 Sep 2020 16:47

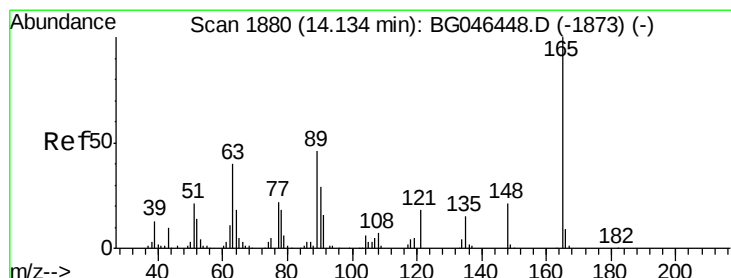
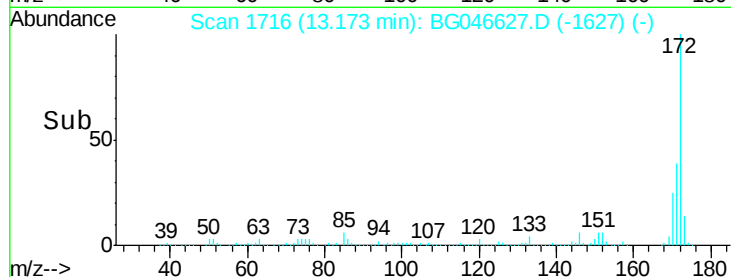
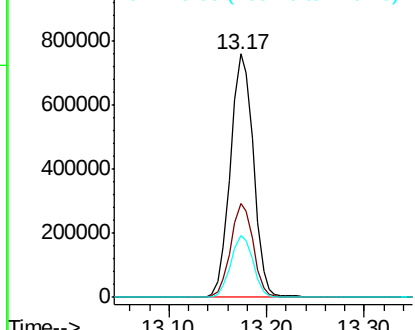
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-091420

Tot Ion:172 Resp: 1249522

Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.8	47.6
170	25.2	20.3	30.5



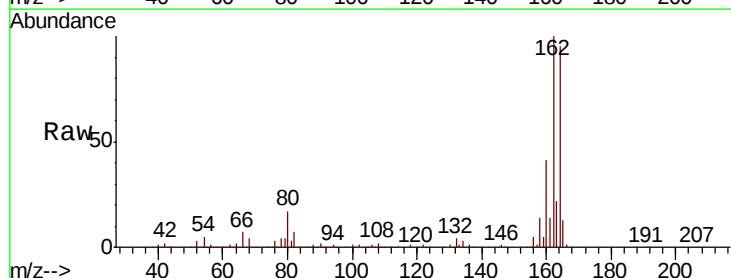
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



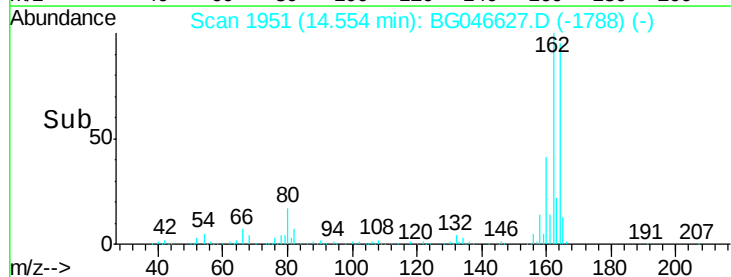
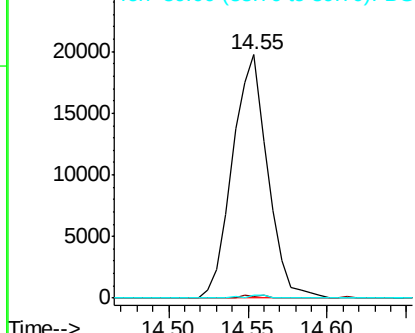
#51
 2,6-Dinitrotoluene
 Concen: 7.730 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG046627.D
 Acq: 15 Sep 2020 16:47

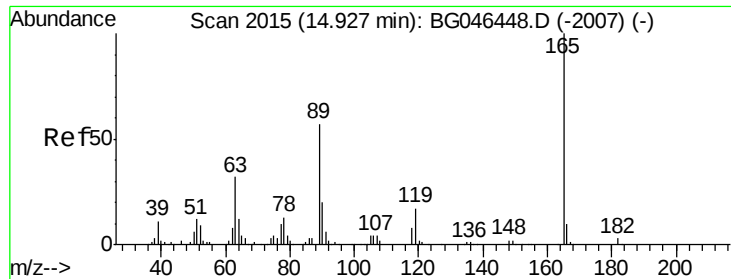
Tgt Ion:165 Resp: 30210

Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.2	51.4#
89	1.1	37.0	55.4#



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

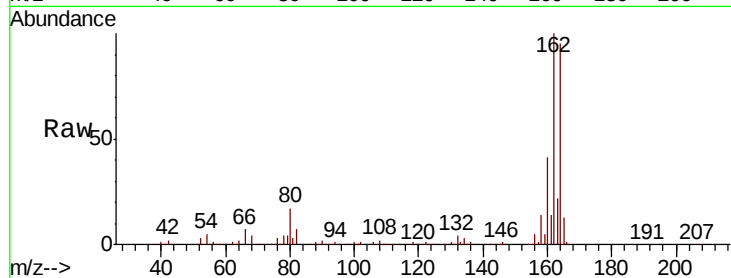




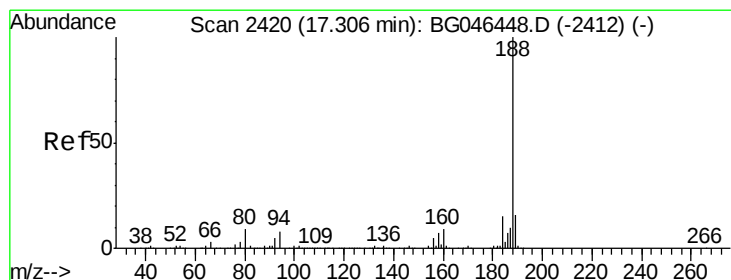
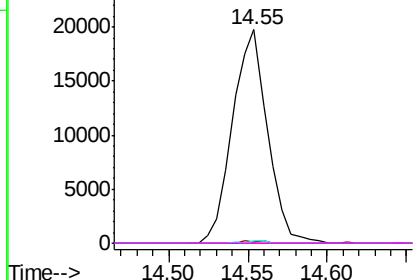
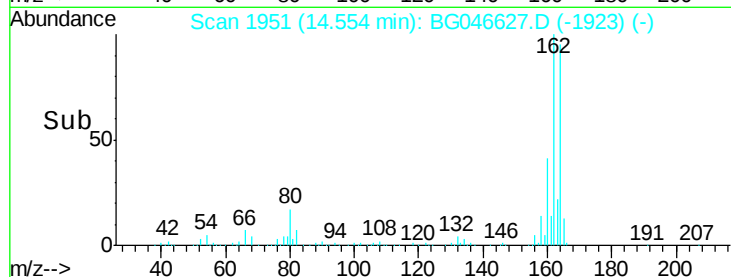
#57
 2,4-Dinitrotoluene
 Concen: 5.421 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG046627.D
 Acq: 15 Sep 2020 16:47

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-091420

Tot Ion:165 Resp: 30210
 Ion Ratio Lower Upper
 165 100
 63 0.9 25.4 38.0#
 89 1.1 45.9 68.9#
 182 0.0 2.3 3.5#

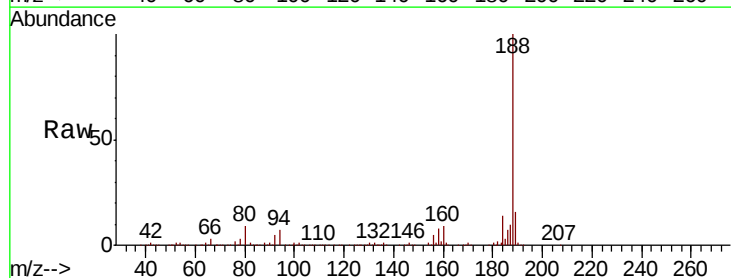


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

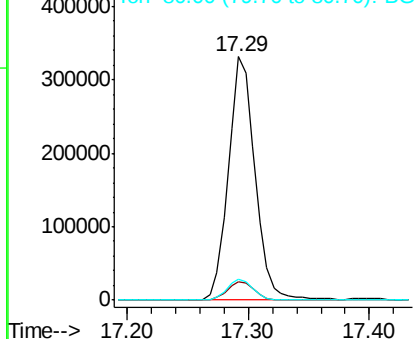
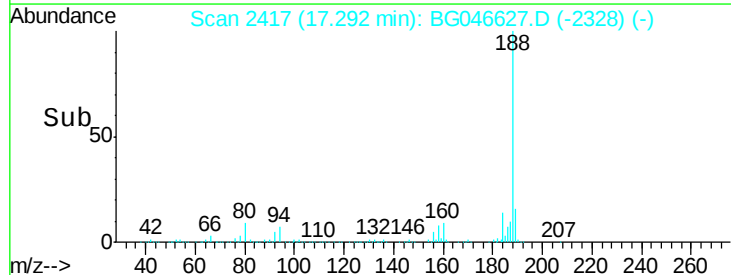


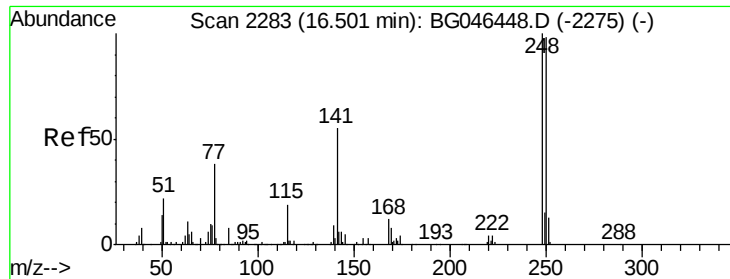
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2417
 Delta R.T. -0.01 min
 Lab File: BG046627.D
 Acq: 15 Sep 2020 16:47

Tgt Ion:188 Resp: 508460
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.3 9.5
 80 8.6 6.9 10.3



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

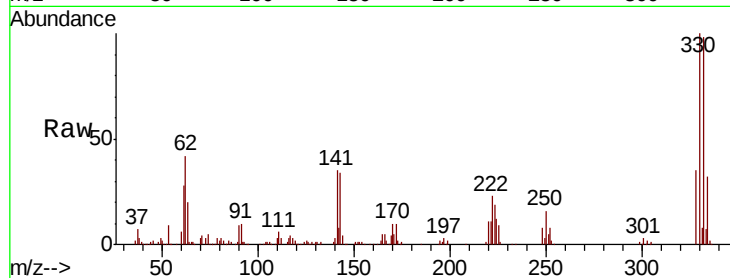




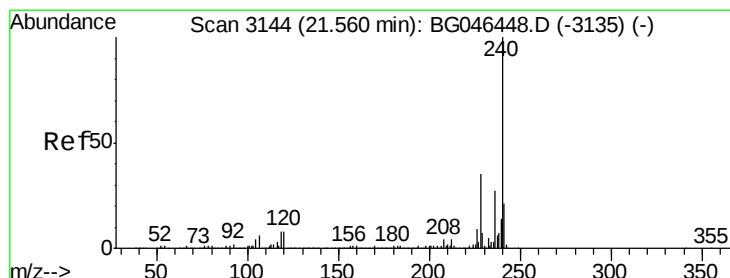
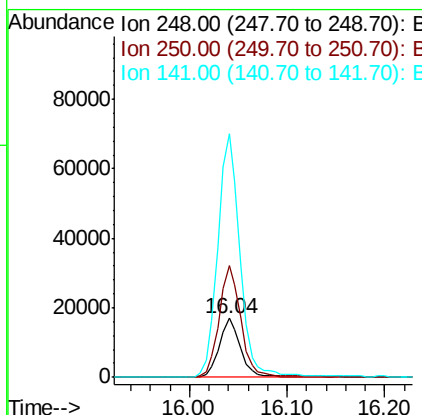
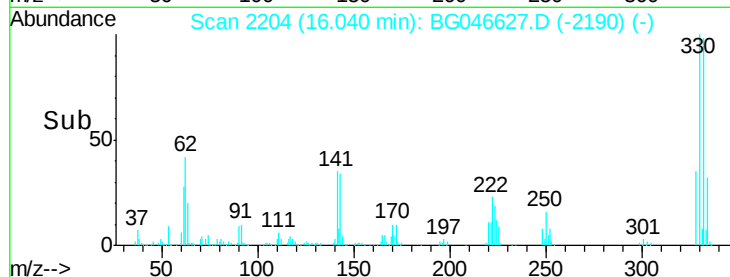
#67
 4-Bromophenyl-phenylether
 Concen: 4.355 ng
 RT: 16.04 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG046627.D
 Acq: 15 Sep 2020 16:47

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-091420

Tot Ion:248 Resp: 25835
 Ion Ratio Lower Upper
 248 100
 250 190.7 78.6 118.0#
 141 413.3 43.9 65.9#

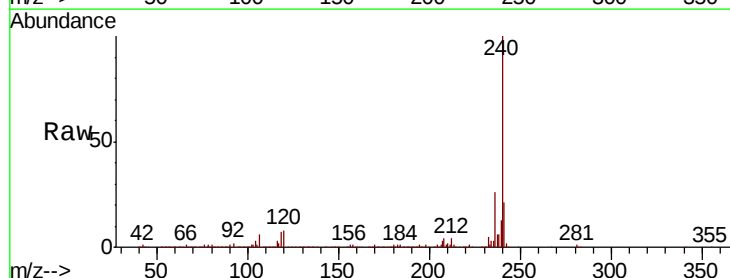


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

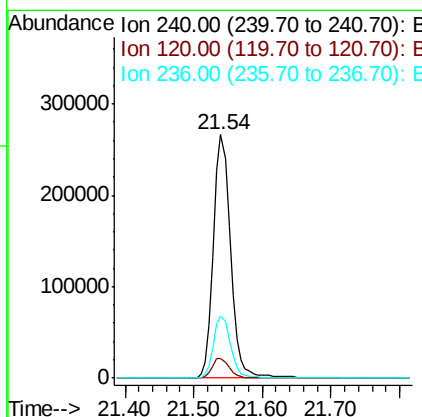
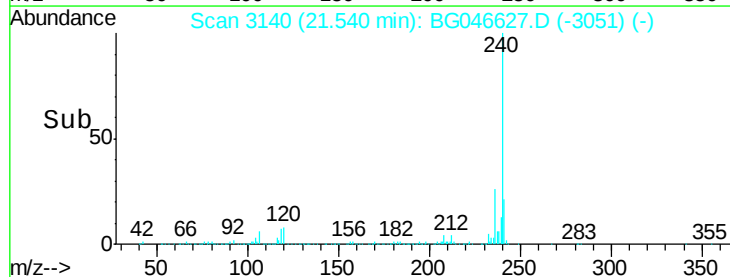


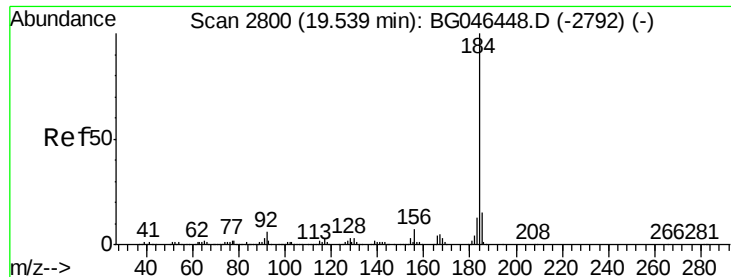
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3140
 Delta R.T. -0.01 min
 Lab File: BG046627.D
 Acq: 15 Sep 2020 16:47

Tgt Ion:240 Resp: 463884
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.6 10.0
 236 25.6 21.4 32.2



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: 2.303 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.38 min

Lab File: BG046627.D

Acq: 15 Sep 2020 16:47

Instrument :

BNA_G

ClientSampleId :

EO-02-091420

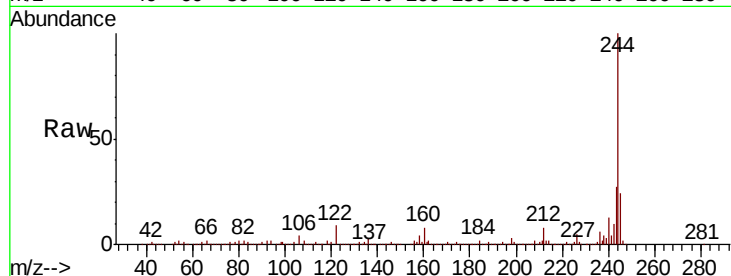
Tot Ion:184 Resp: 24825

Ion Ratio Lower Upper

184 100

185 16.7 11.8 17.8

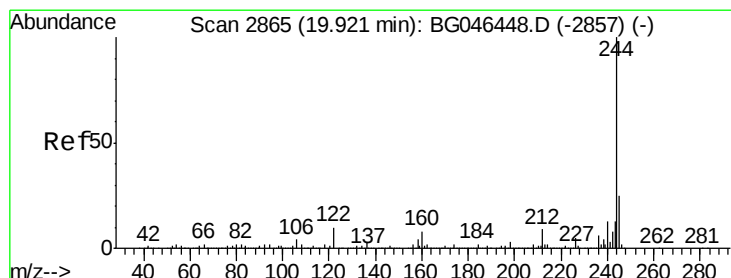
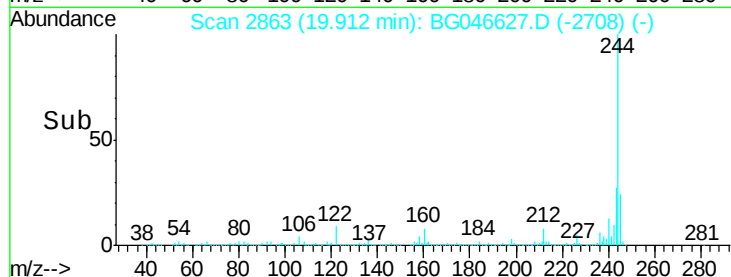
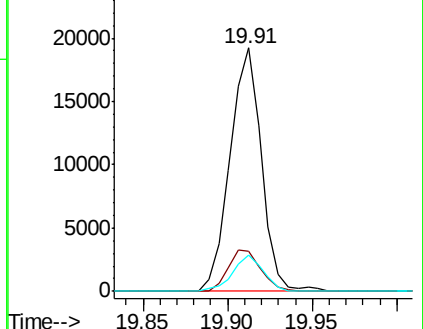
183 15.1 10.7 16.1



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: 75.559 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046627.D

Acq: 15 Sep 2020 16:47

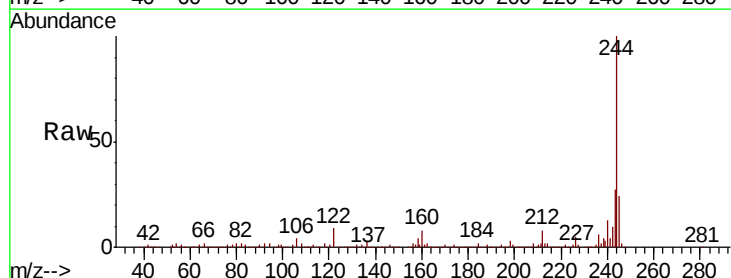
Tgt Ion:244 Resp: 1646968

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

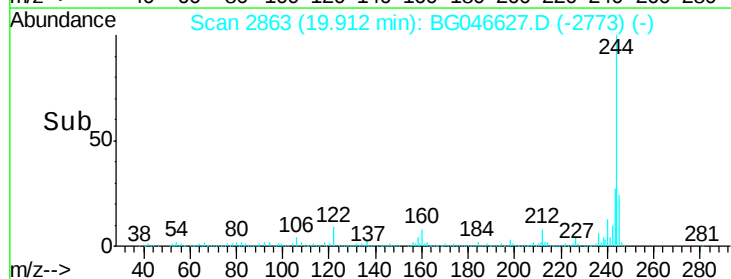
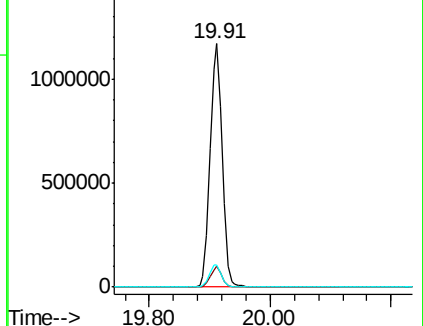
122 9.3 8.2 12.4

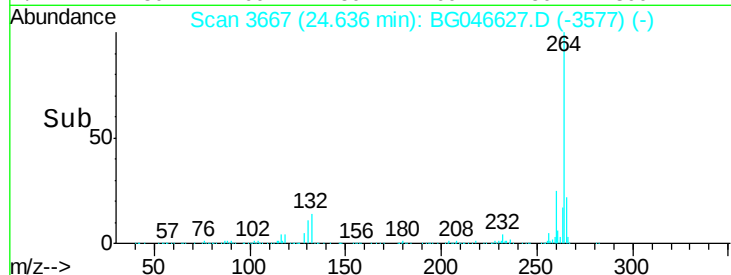
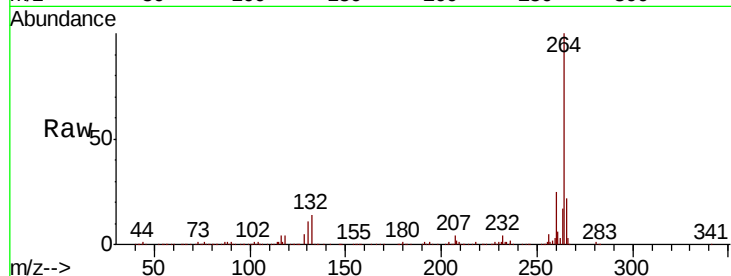
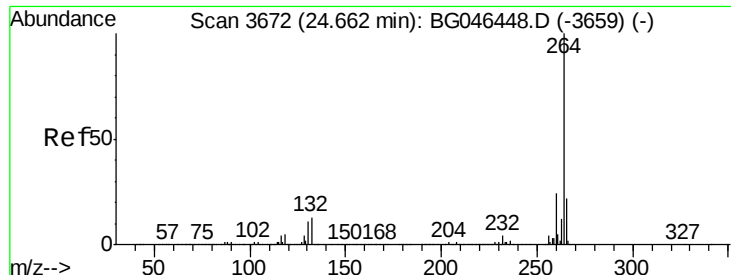


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3667
Delta R.T. 0.00 min
Lab File: BG046627.D
Acq: 15 Sep 2020 16:47

Instrument :
BNA_G
ClientSampleId :
EO-02-091420

Tot Ion:	264	Resp:	451165
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.9	17.9	26.9

