

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021720\
 Data File : BG044451.D
 Acq On : 17 Feb 2020 17:41
 Operator : CG/JU
 Sample : L1544-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 06:04:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

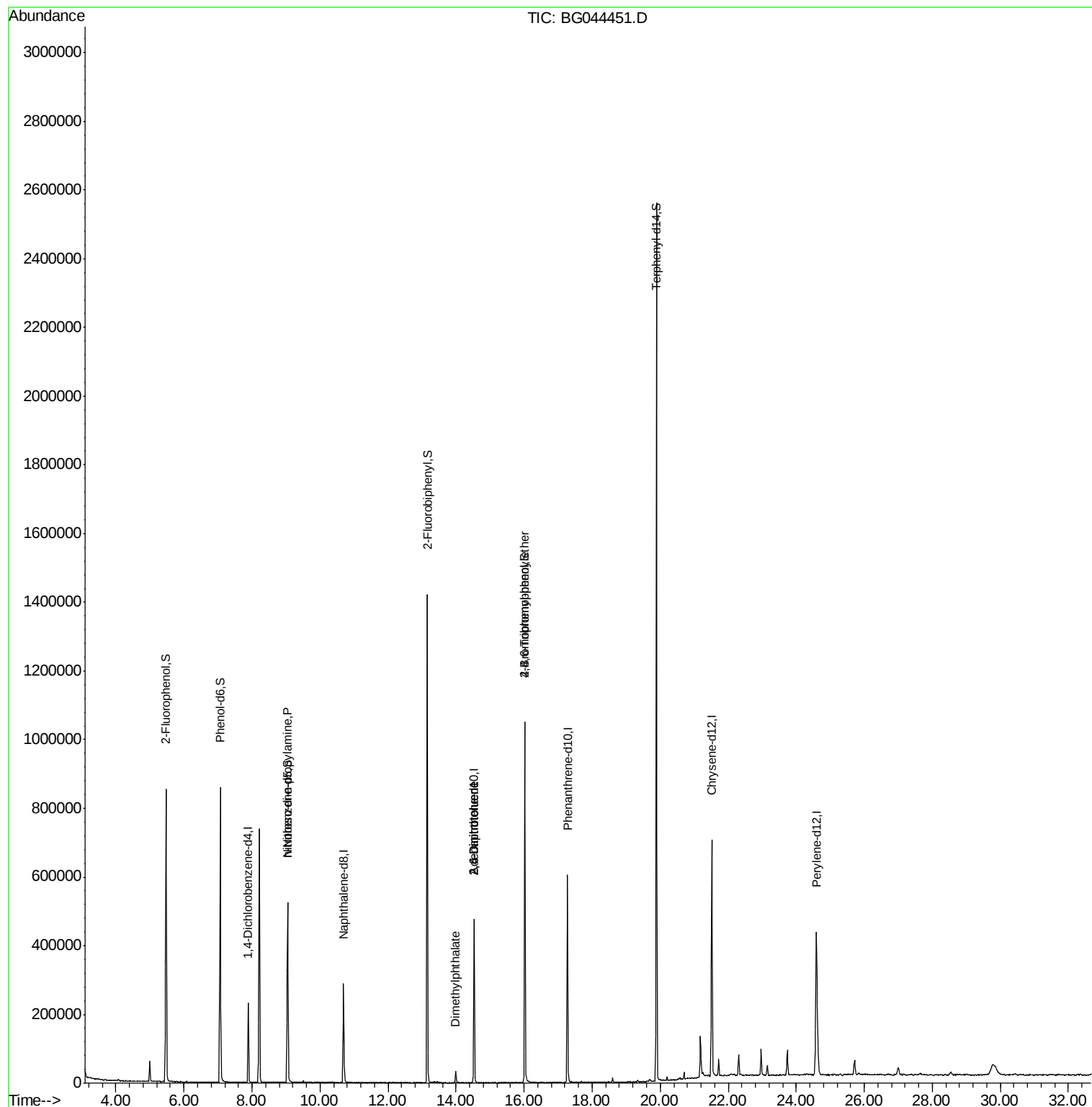
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	72631	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	281785	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	179295	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	408366	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	422692	20.00	ng	-0.02
87) Perylene-d12	24.59	264	450734	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	437131	106.22	ng	0.00
7) Phenol-d6	7.07	99	569873	103.12	ng	-0.01
23) Nitrobenzene-d5	9.05	82	347094	69.54	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	222899	105.90	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	792073	73.98	ng	-0.01
79) Terphenyl-d14	19.89	244	1277925	62.19	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	44587	12.106	ng	Qvalue # 78
50) Dimethylphthalate	13.99	163	31003	2.406	ng	99
51) 2,6-Dinitrotoluene	14.53	165	23817	8.288	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	23817	5.913	ng	# 26
67) 4-Bromophenyl-phenylether	16.02	248	15247	3.427	ng	# 1

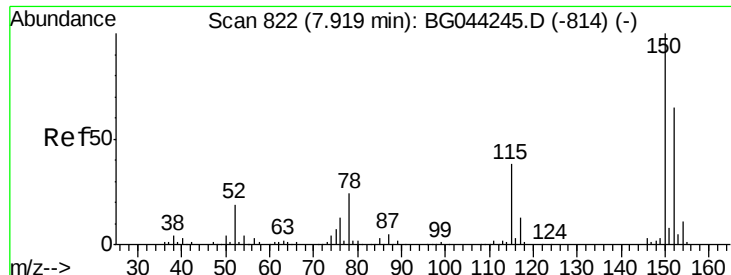
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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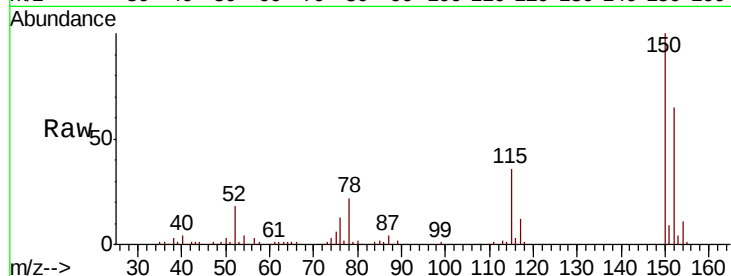


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BG044451.D
 Acq: 17 Feb 2020 17:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.6	183.8
115	54.6	46.0	69.0



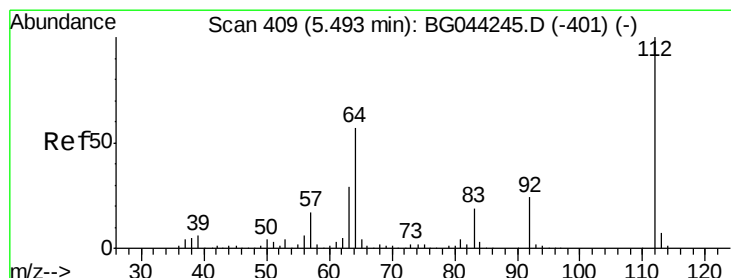
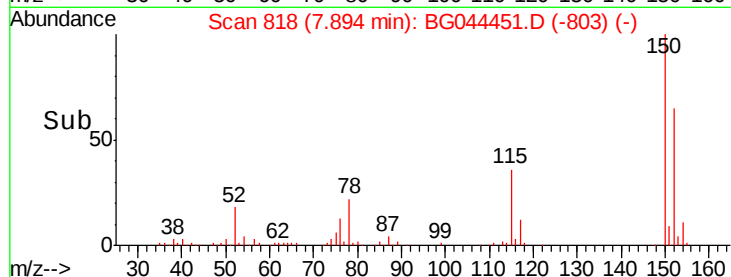
Abundance

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

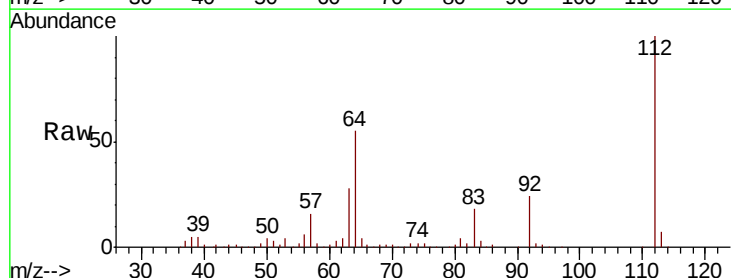
Time-->



#5

2-Fluorophenol
 Concen: 106.217 ng
 RT: 5.47 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BG044451.D
 Acq: 17 Feb 2020 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.4	68.2
63	28.1	22.9	34.3



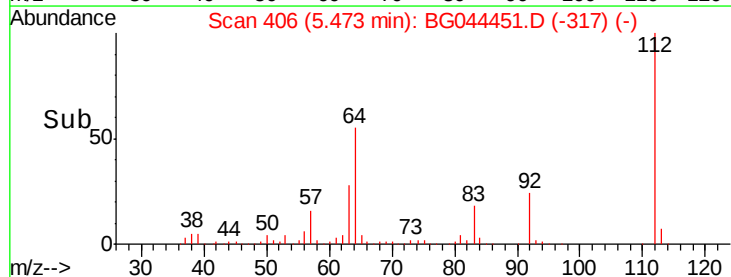
Abundance

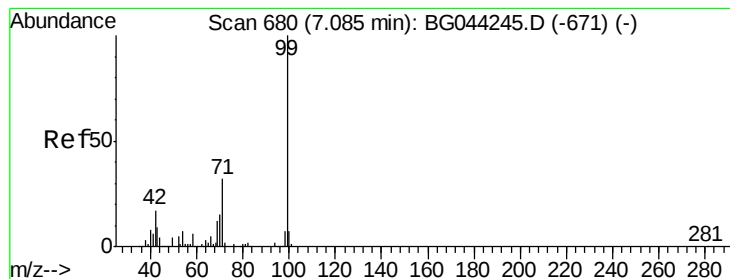
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0

Time-->





#7

Phenol-d6

Concen: 103.118 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

Instrument :

BNA_G

ClientSampleId :

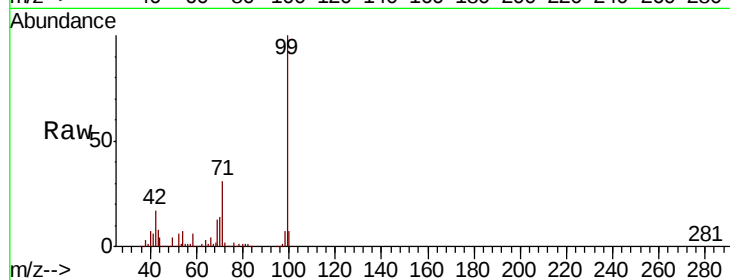
Tot Ion: 99 Resp: 569873

Ion Ratio Lower Upper

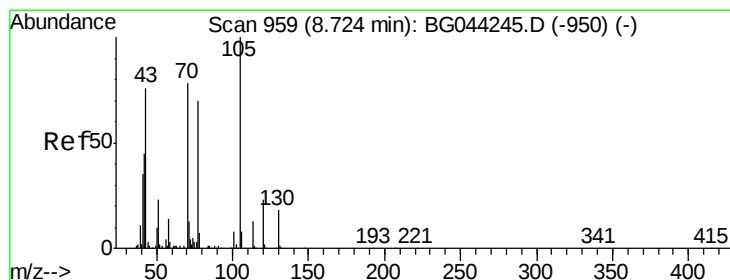
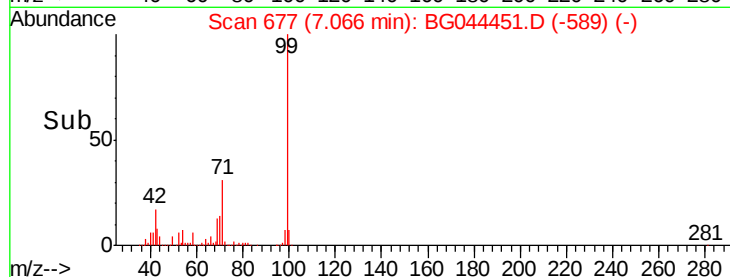
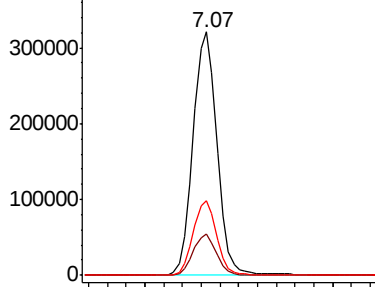
99 100

42 16.8 13.8 20.6

71 30.8 25.5 38.3



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: 12.106 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

Tgt Ion: 70 Resp: 44587

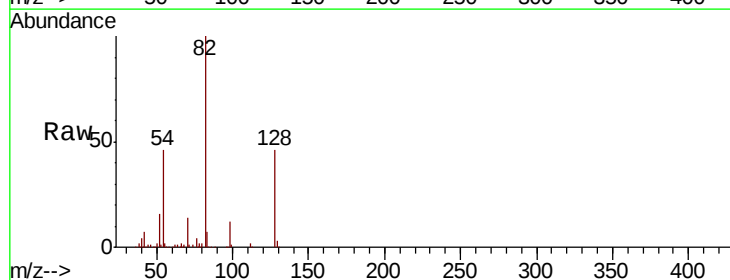
Ion Ratio Lower Upper

70 100

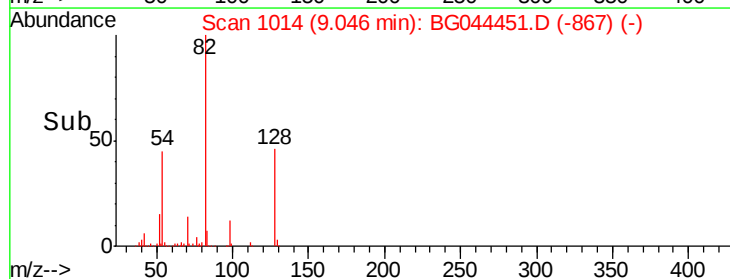
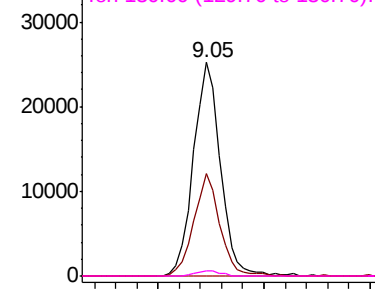
42 48.2 46.2 69.2

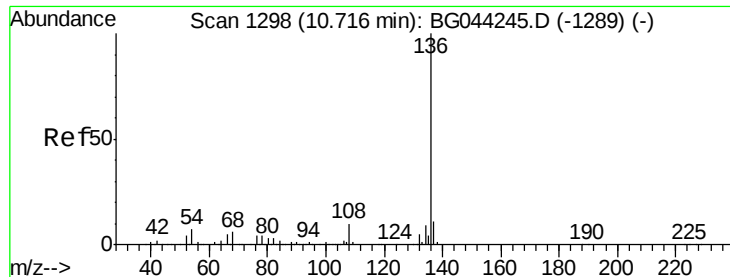
101 0.0 8.4 12.6#

130 2.1 17.8 26.8#



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

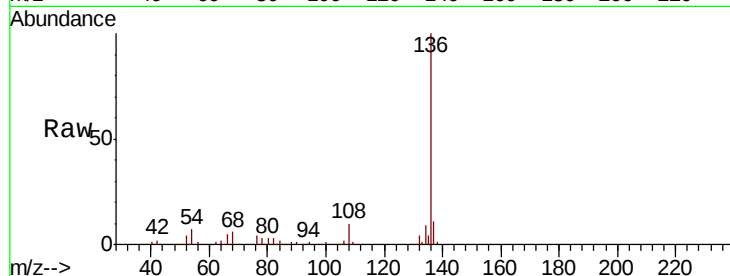




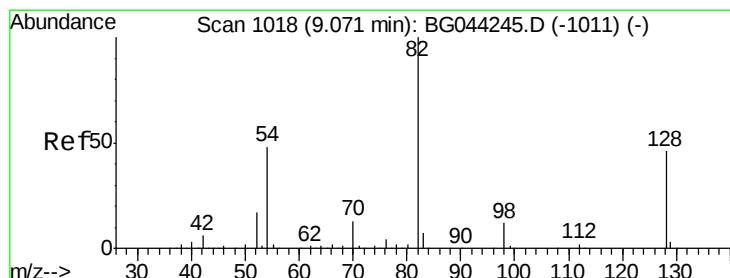
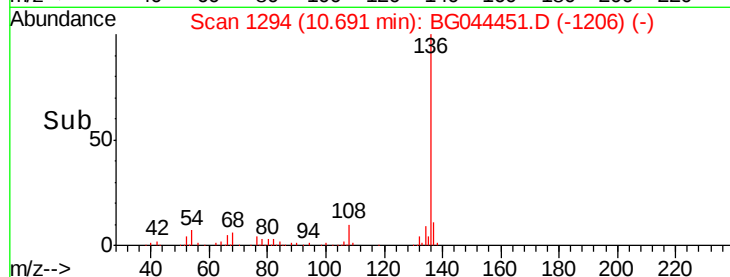
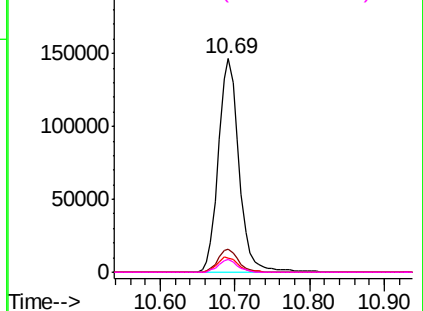
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044451.D
Acq: 17 Feb 2020 17:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	281785
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	6.7	5.8 8.8
68	5.7	4.6 6.8

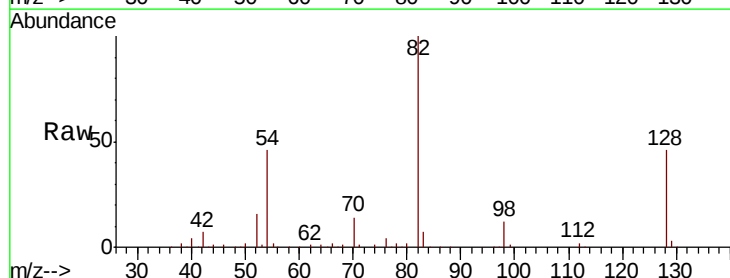


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

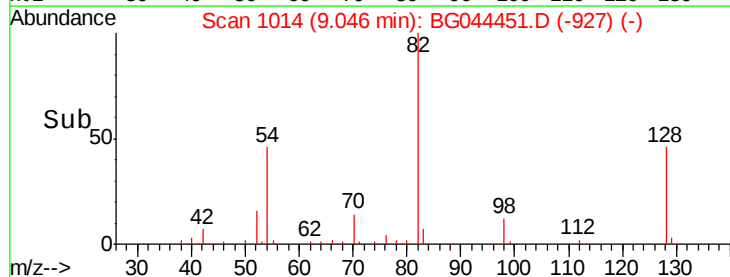
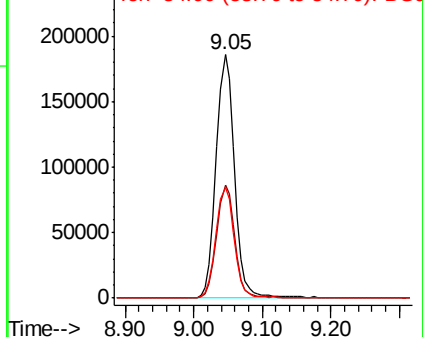


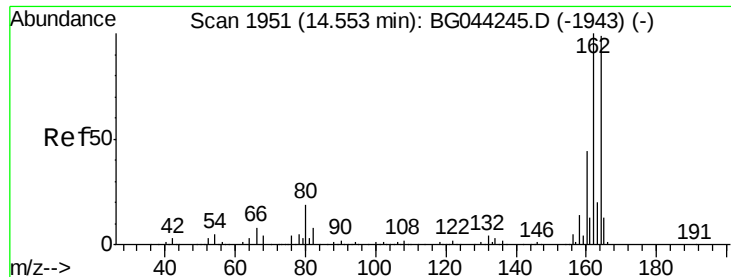
#23
Nitrobenzene-d5
Concen: 69.541 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044451.D
Acq: 17 Feb 2020 17:41

Tgt Ion: 82	Resp:	347094
Ion	Ratio	Lower Upper
82	100	
128	46.4	36.5 54.7
54	45.5	38.6 58.0



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: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

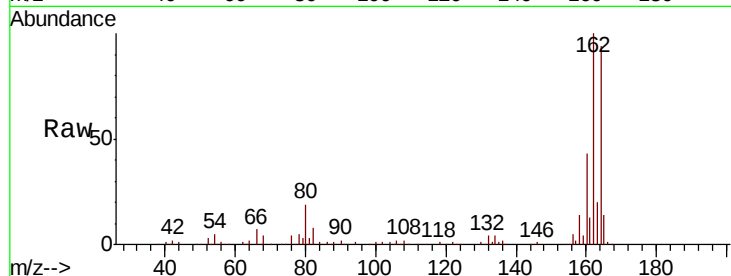
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 179295

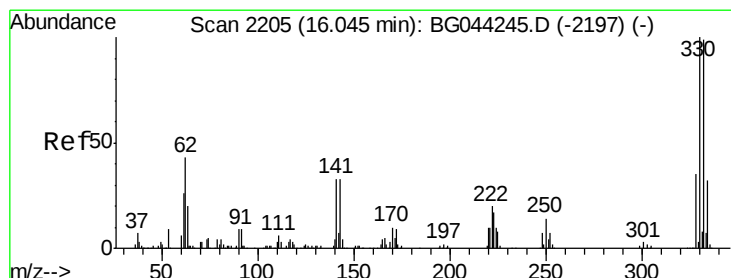
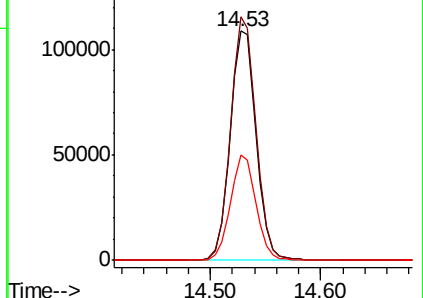
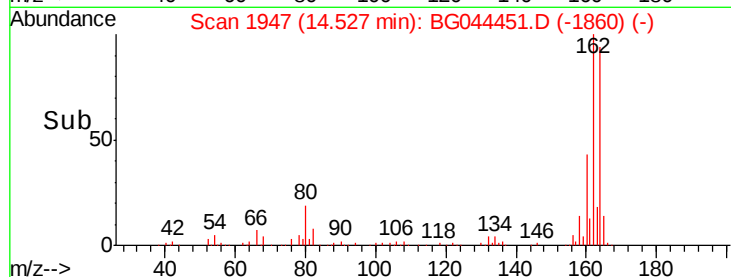
Ion	Ratio	Lower	Upper
164	100		
162	106.4	80.7	121.1
160	46.2	35.3	52.9



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: 105.899 ng

RT: 16.02 min Scan# 2201

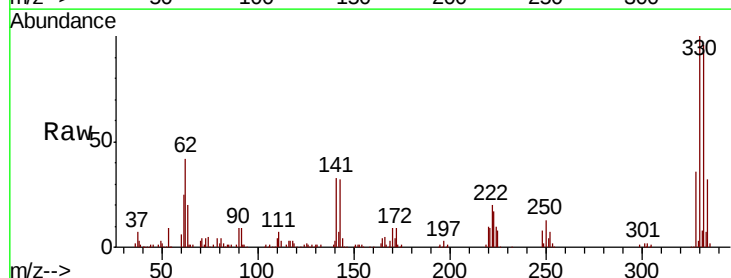
Delta R.T. -0.01 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

Tgt Ion:330 Resp: 222899

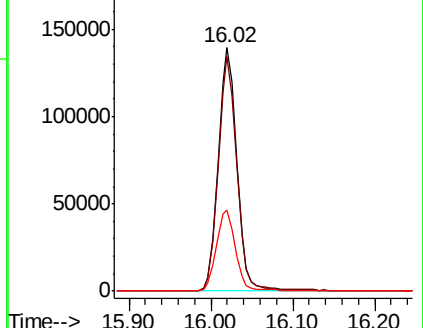
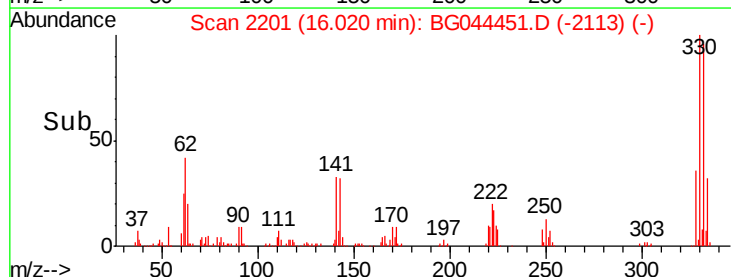
Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	34.3	28.3	42.5

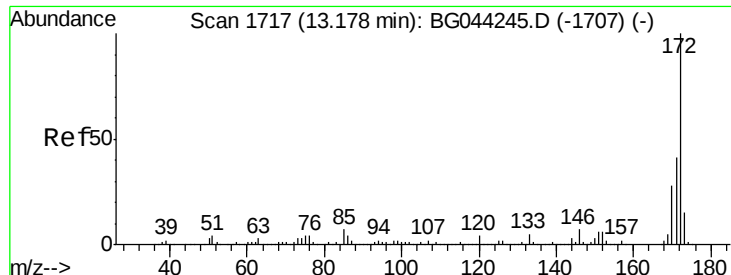


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



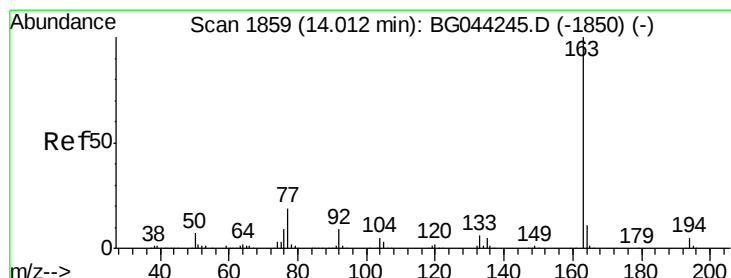
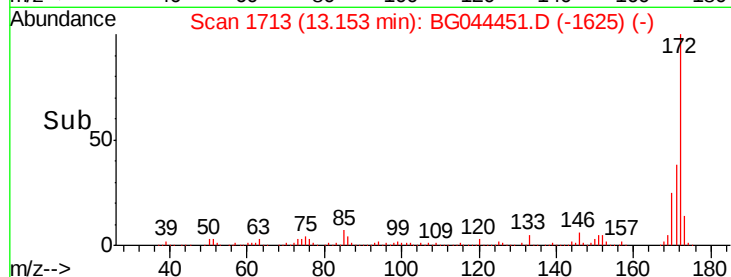
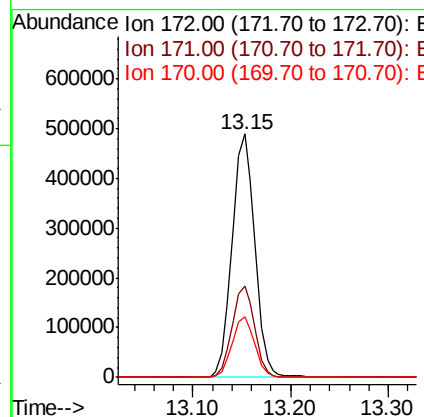
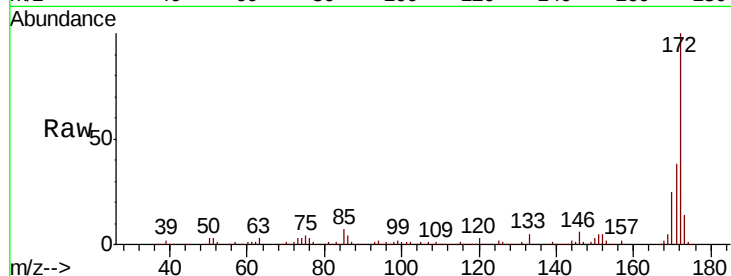


#45
 2-Fluorobiphenyl
 Concen: 73.977 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044451.D
 Acq: 17 Feb 2020 17:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 792073

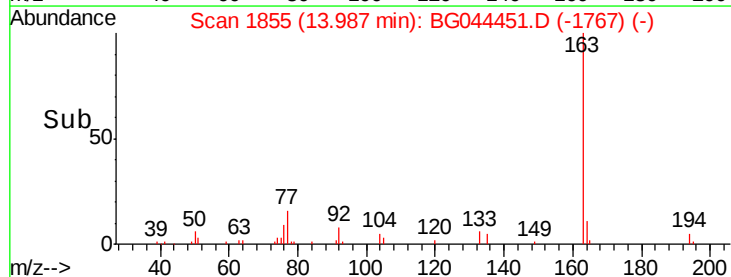
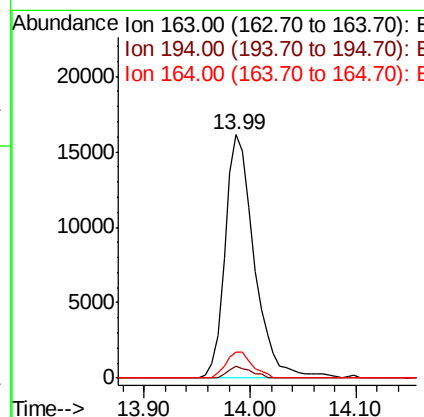
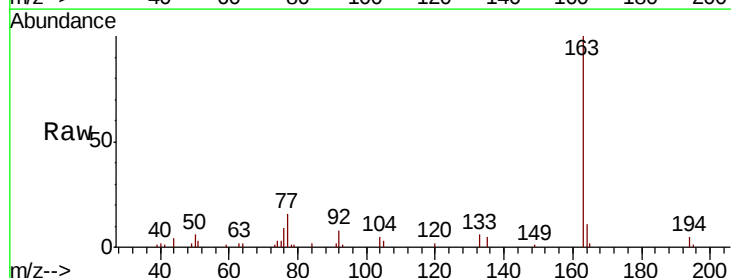
Ion	Ratio	Lower	Upper
172	100		
171	37.7	32.9	49.3
170	24.9	22.0	33.0

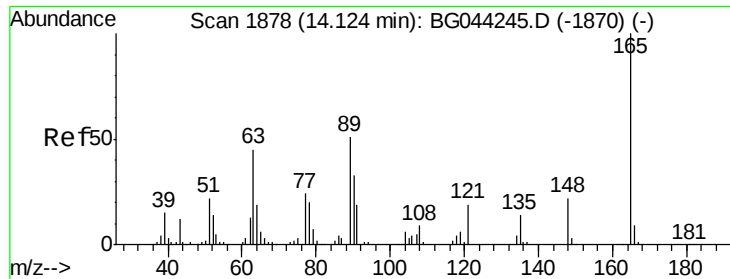


#50
 Dimethylphthalate
 Concen: 2.406 ng
 RT: 13.99 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BG044451.D
 Acq: 17 Feb 2020 17:41

Tgt Ion:163 Resp: 31003

Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.6	5.4
164	10.9	8.7	13.1

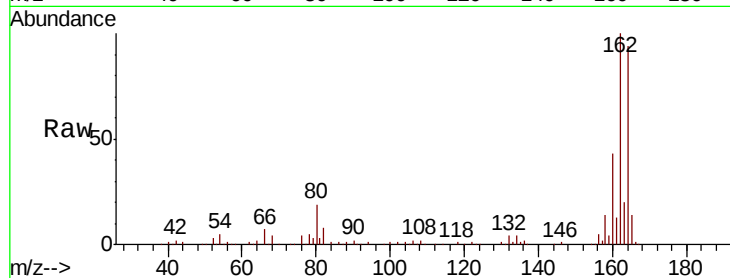




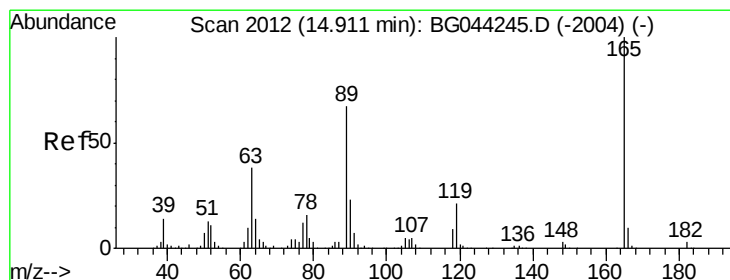
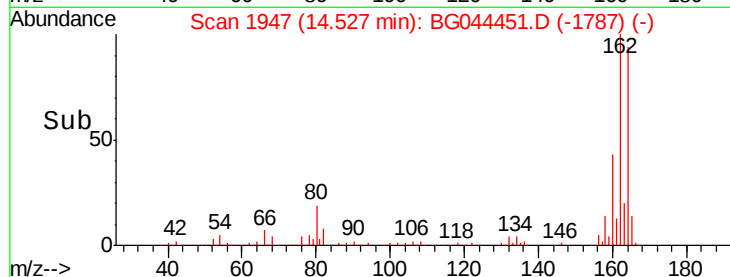
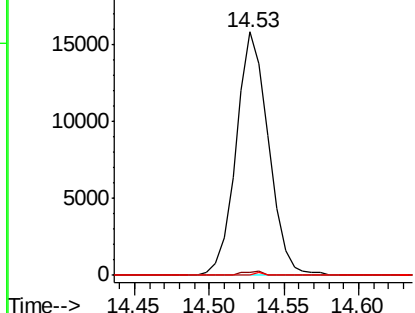
#51
 2,6-Dinitrotoluene
 Concen: 8.288 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. 0.41 min
 Lab File: BG044451.D
 Acq: 17 Feb 2020 17:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.7	58.1#
89	0.0	40.4	60.6#



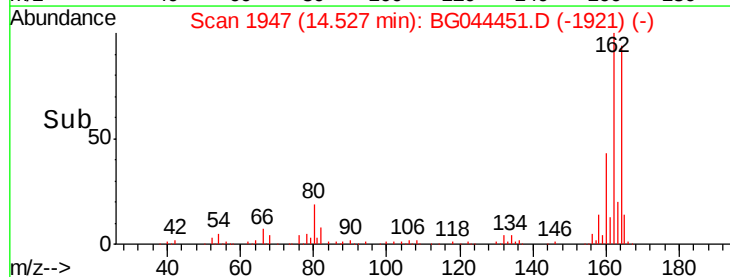
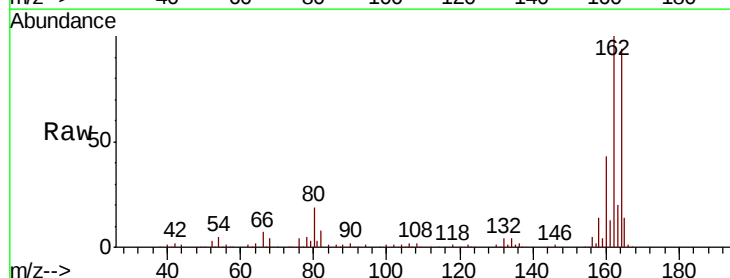
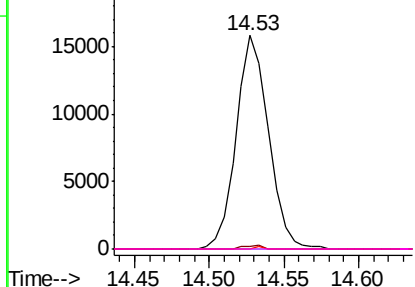
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

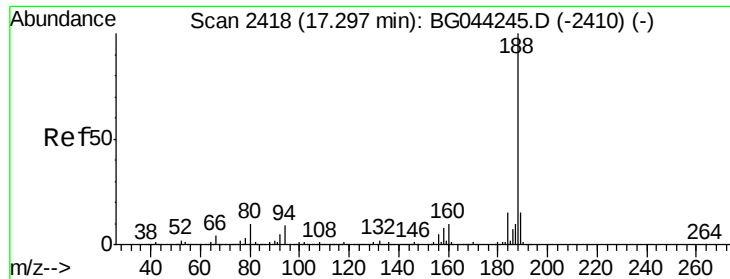


#57
 2,4-Dinitrotoluene
 Concen: 5.913 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.38 min
 Lab File: BG044451.D
 Acq: 17 Feb 2020 17:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.27 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

Instrument :

BNA_G

ClientSampleId :

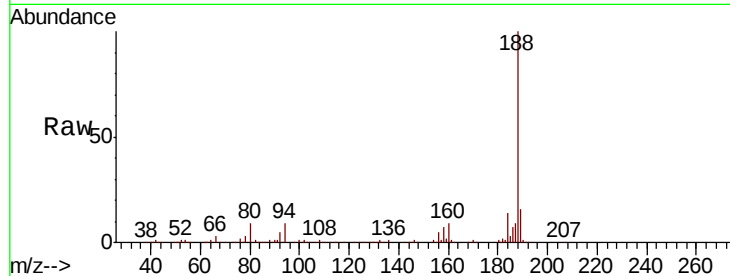
Tot Ion:188 Resp: 408366

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

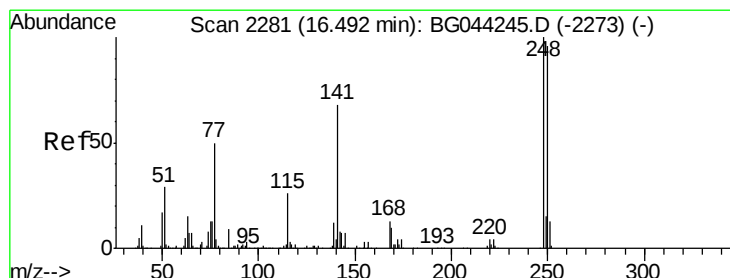
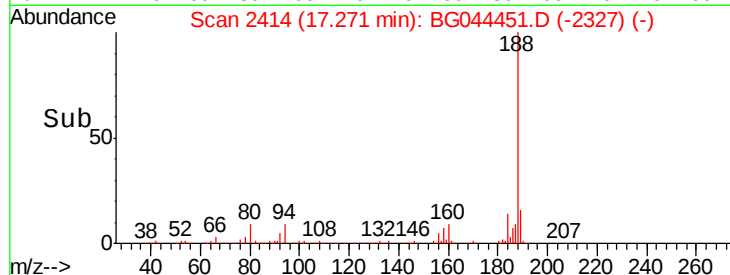
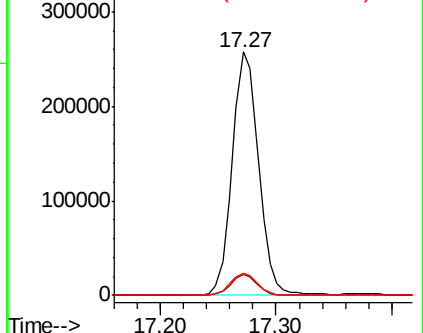
80 9.3 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.427 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.46 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

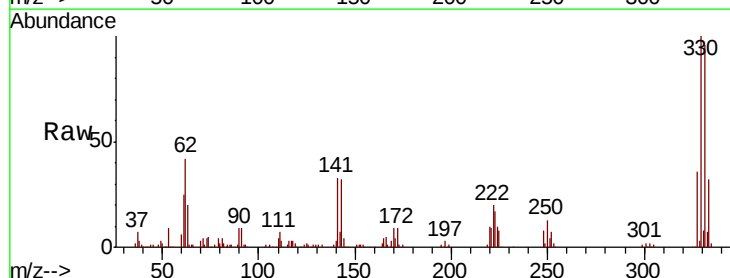
Tgt Ion:248 Resp: 15247

Ion Ratio Lower Upper

248 100

250 175.2 76.6 114.8#

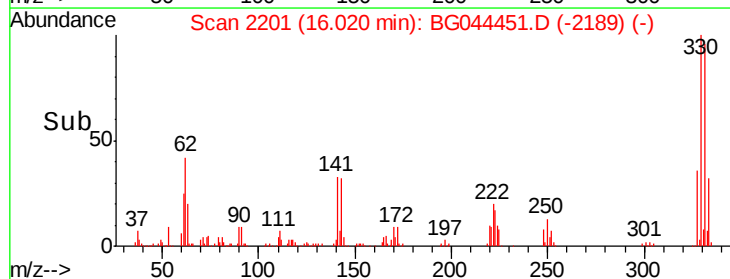
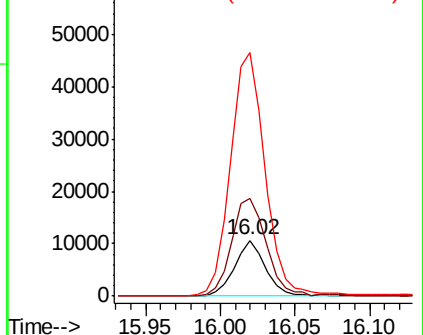
141 439.0 54.7 82.1#

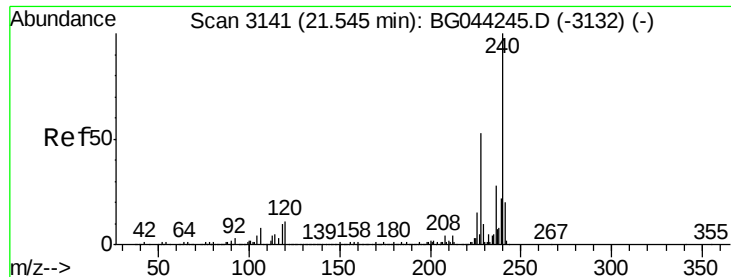


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.02 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

Instrument :

BNA_G

ClientSampleId :

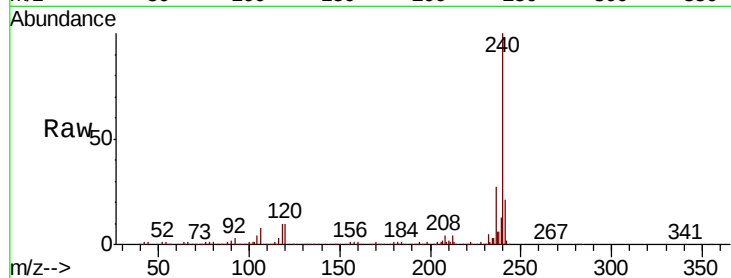
Tot Ion:240 Resp: 422692

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

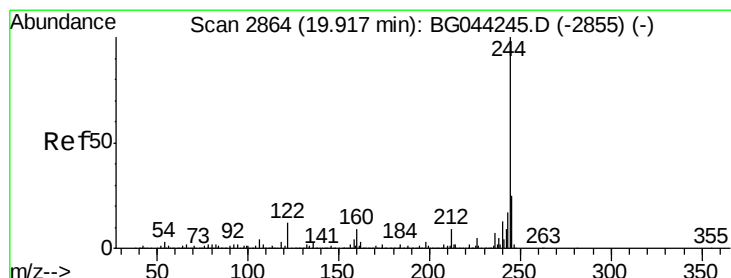
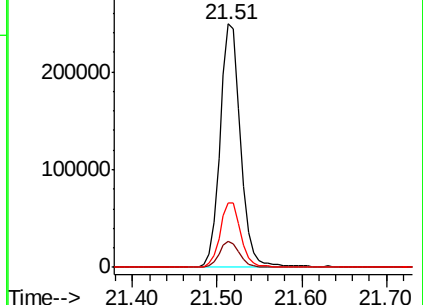
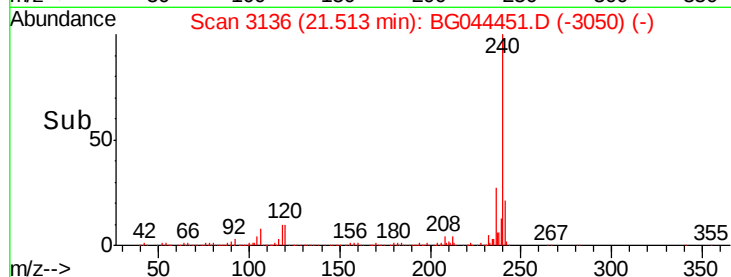
236 26.6 22.1 33.1



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



#79

Terphenyl-d14

Concen: 62.185 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044451.D

Acq: 17 Feb 2020 17:41

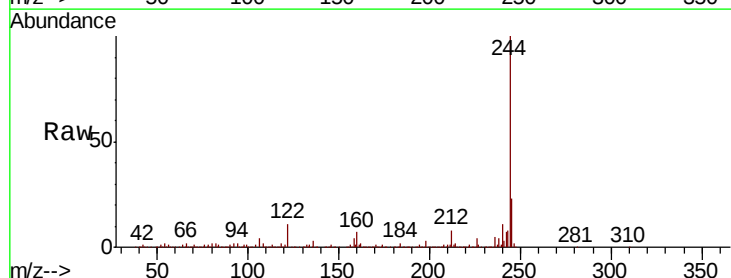
Tgt Ion:244 Resp: 1277925

Ion Ratio Lower Upper

244 100

212 8.0 7.4 11.2

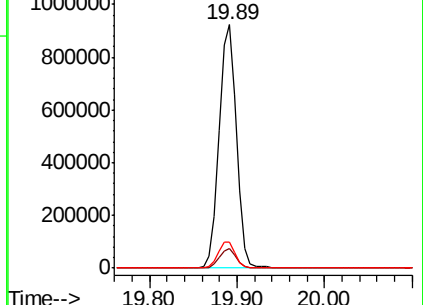
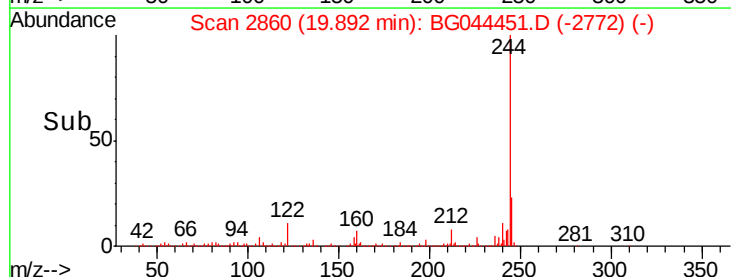
122 10.8 9.8 14.6

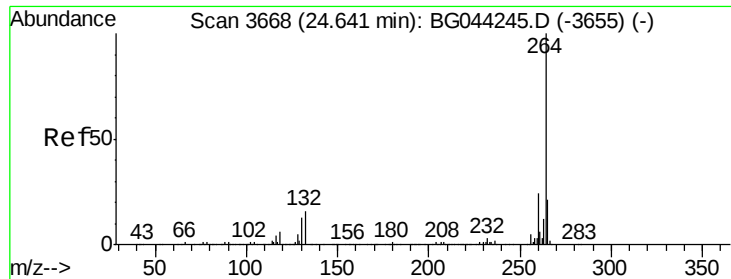


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.59 min Scan# 3660
Delta R.T. -0.03 min
Lab File: BG044451.D
Acq: 17 Feb 2020 17:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.5	16.7	25.1

