

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044292.D
 Acq On : 4 Feb 2020 22:33
 Operator : CG/JU
 Sample : L1360-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:39:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

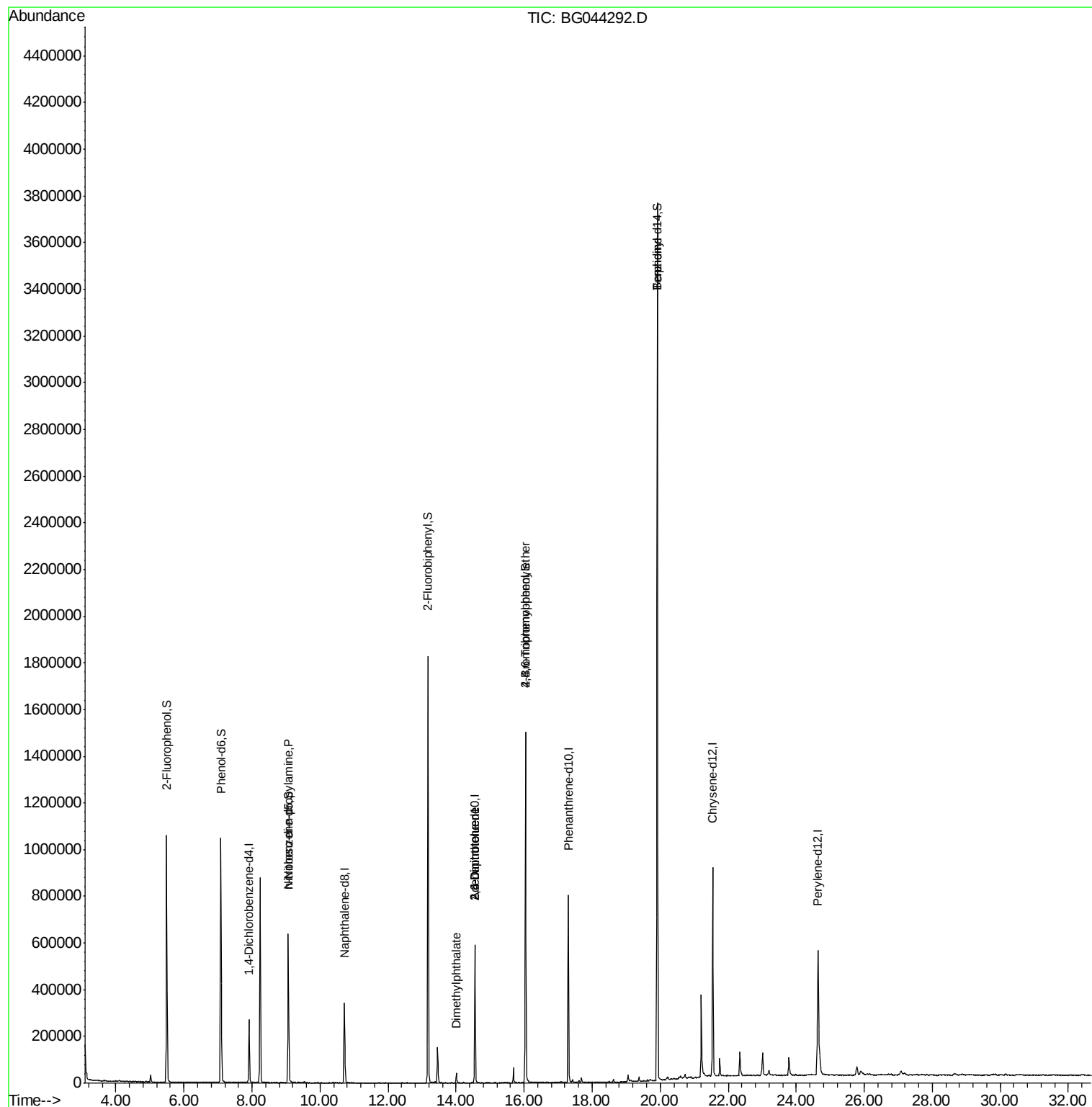
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	81638	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	327023	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	217611	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	516293	20.00	ng	0.00
76) Chrysene-d12	21.54	240	506402	20.00	ng	0.00
87) Perylene-d12	24.64	264	567888	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	529514	114.47	ng	0.00
7) Phenol-d6	7.08	99	694013	111.73	ng	0.00
23) Nitrobenzene-d5	9.07	82	414323	71.53	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	294864	115.42	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	971025	74.72	ng	0.00
79) Terphenyl-d14	19.92	244	1744631	70.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	52776	12.748	ng	Qvalue
50) Dimethylphthalate	14.01	163	32855	2.100	ng	# 78
51) 2,6-Dinitrotoluene	14.55	165	29067	8.334	ng	# 30
57) 2,4-Dinitrotoluene	14.55	165	29067	5.946	ng	# 28
67) 4-Bromophenyl-phenylether	16.04	248	20719	3.683	ng	# 1
77) Benzidine	19.92	184	29480	2.099	ng	# 91

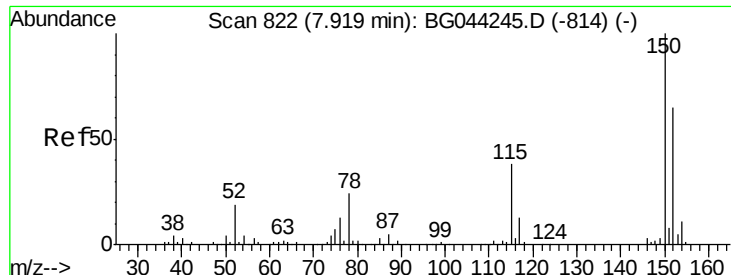
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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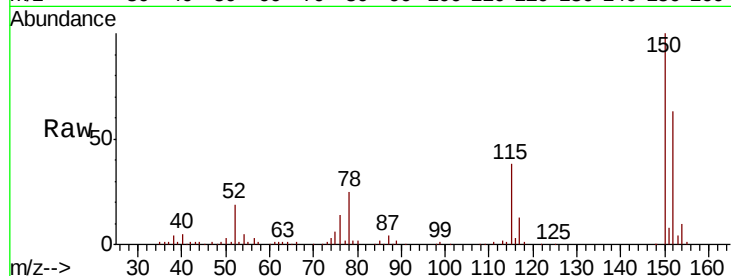


#1

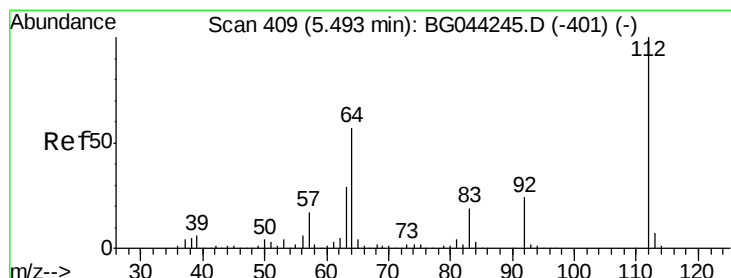
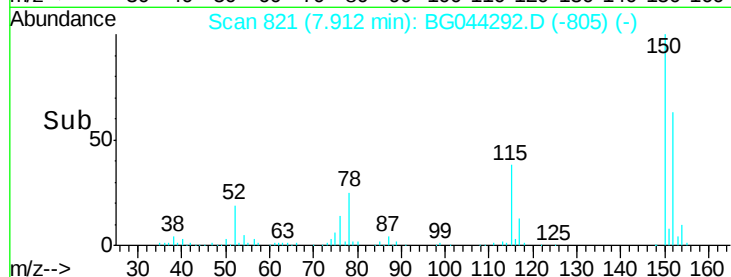
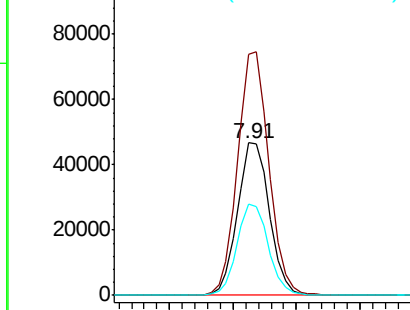
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	122.6	183.8
115	60.3	46.0	69.0



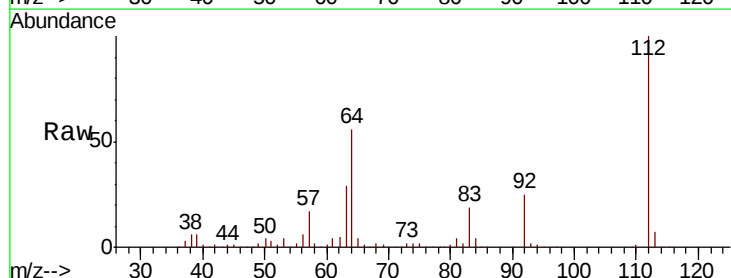
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



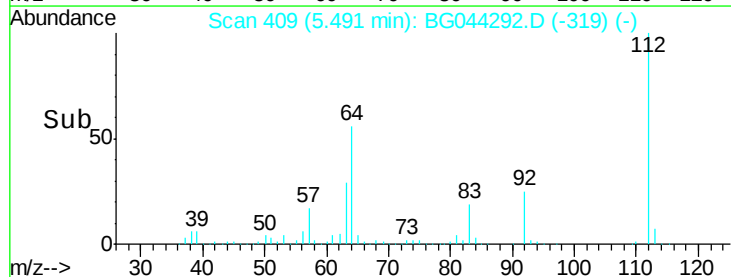
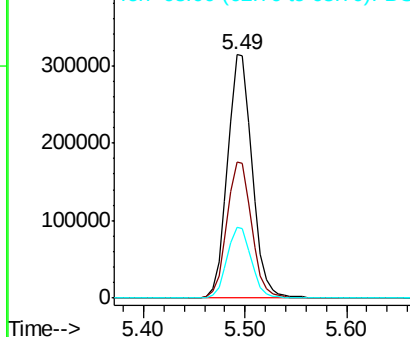
#5

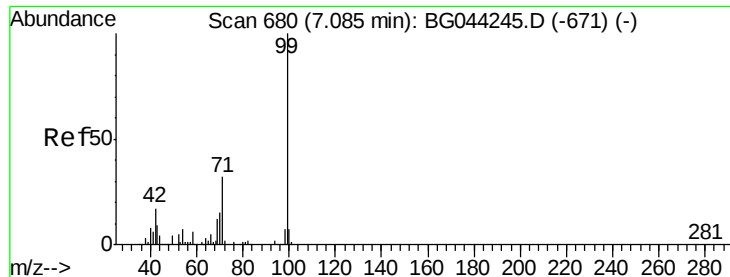
2-Fluorophenol
Concen: 114.470 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.4	68.2
63	29.3	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





#7

Phenol-d6

Concen: 111.726 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044292.D

Acq: 4 Feb 2020 22:33

Instrument :

BNA_G

ClientSampled :

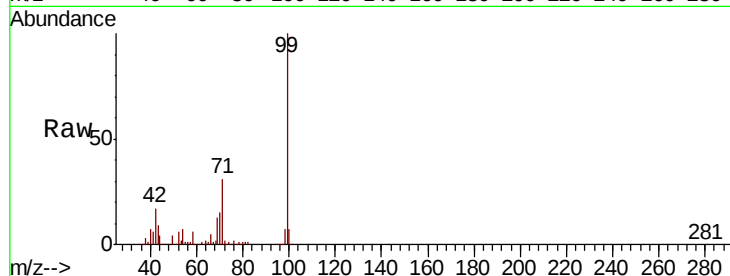
Tot Ion: 99 Resp: 694013

Ion Ratio Lower Upper

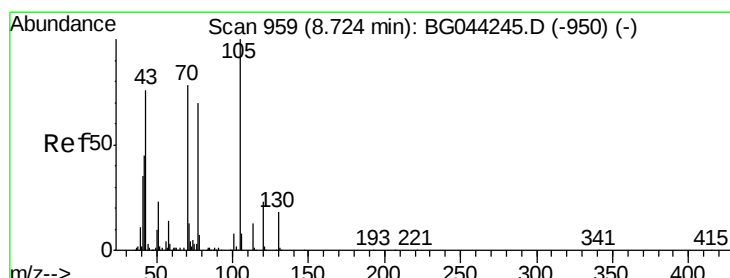
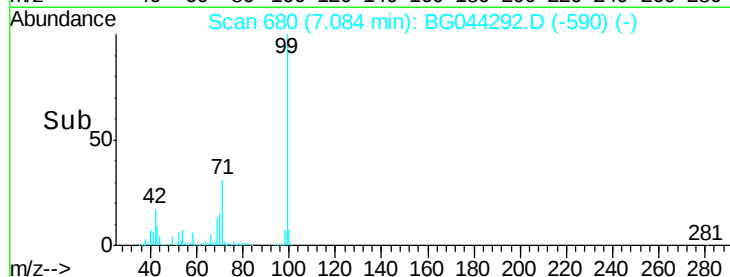
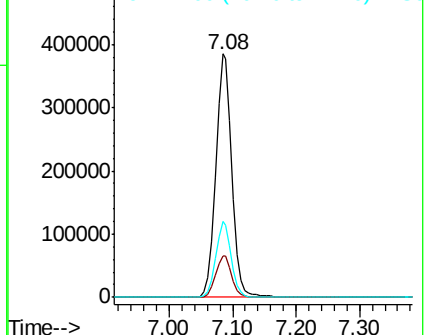
99 100

42 16.9 13.8 20.6

71 31.4 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: 12.748 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.35 min

Lab File: BG044292.D

Acq: 4 Feb 2020 22:33

Tgt Ion: 70 Resp: 52776

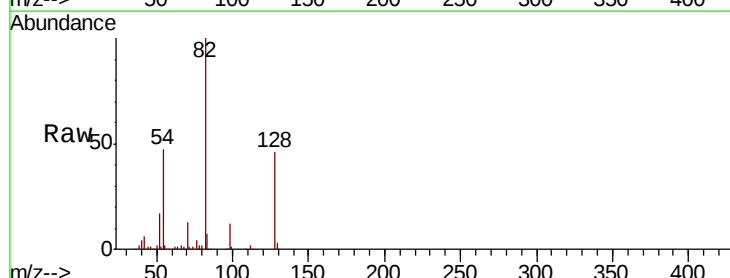
Ion Ratio Lower Upper

70 100

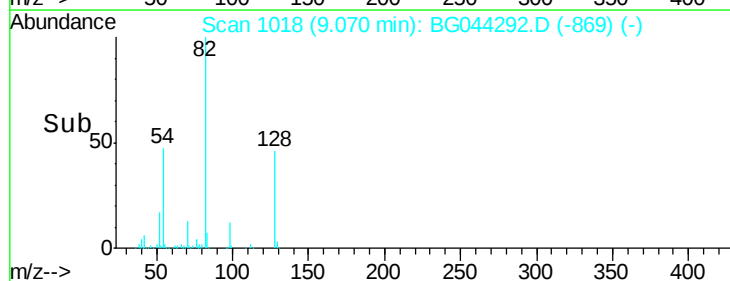
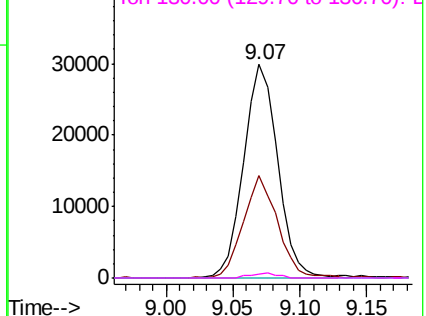
42 48.2 46.2 69.2

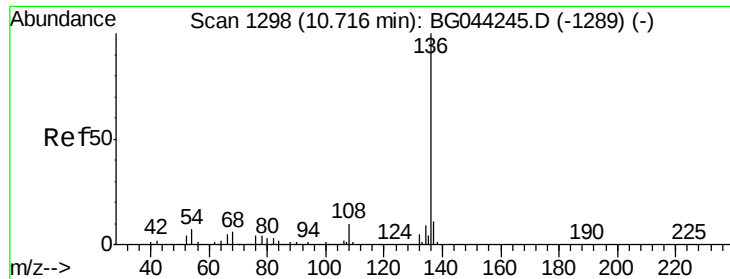
101 0.0 8.4 12.6#

130 1.9 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

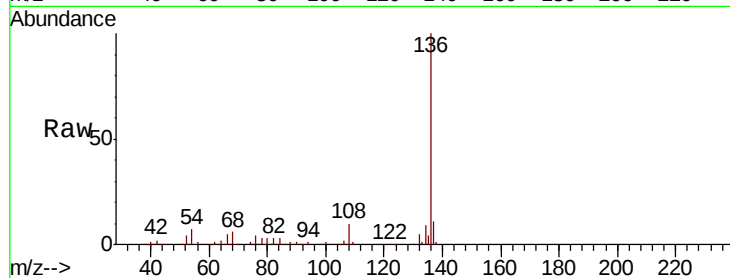




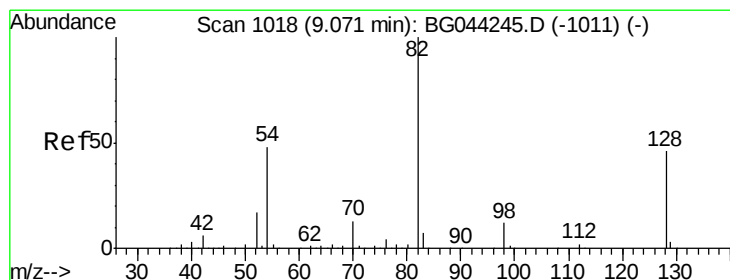
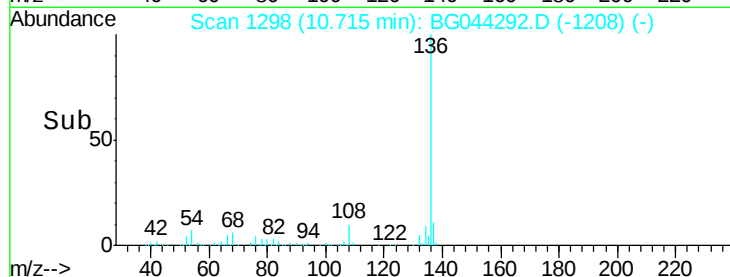
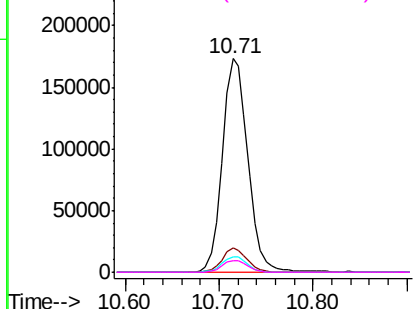
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	327023	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.8	13.2	
54 7.2	5.8	8.8	
68 5.7	4.6	6.8	

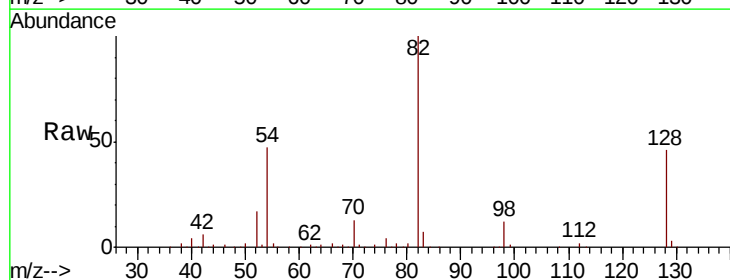


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

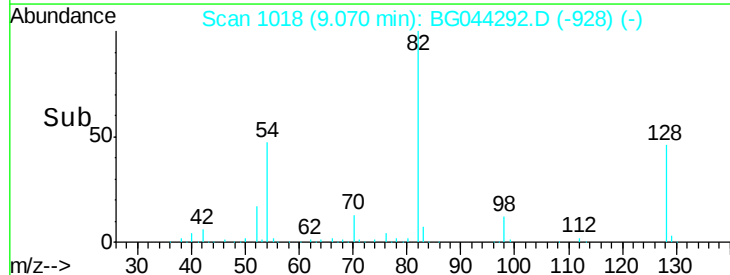
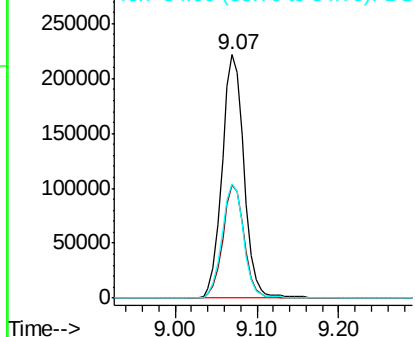


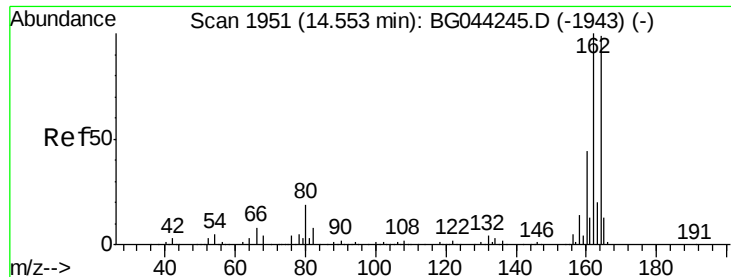
#23
Nitrobenzene-d5
Concen: 71.528 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Tgt Ion: 82	Resp: 414323
Ion Ratio	Lower Upper
82 100	
128 46.4	36.5 54.7
54 47.2	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: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG044292.D

Acq: 4 Feb 2020 22:33

Instrument :

BNA_G

ClientSampleId :

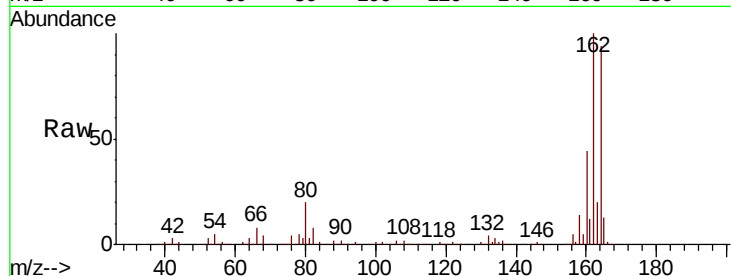
Tot Ion:164 Resp: 217611

Ion Ratio Lower Upper

164 100

162 106.2 80.7 121.1

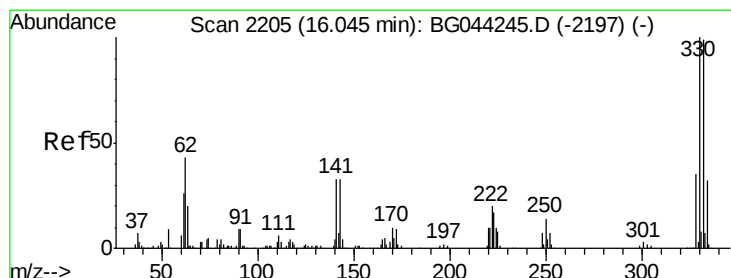
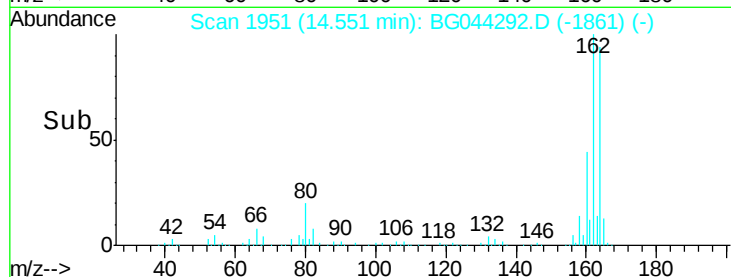
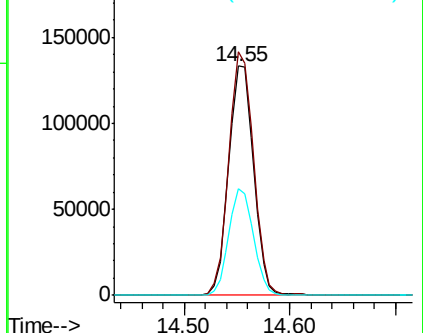
160 46.6 35.3 52.9



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: 115.423 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044292.D

Acq: 4 Feb 2020 22:33

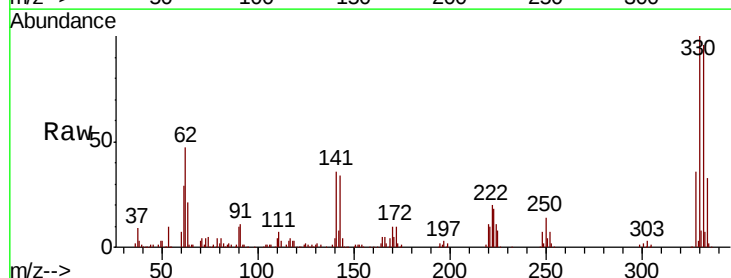
Tgt Ion:330 Resp: 294864

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

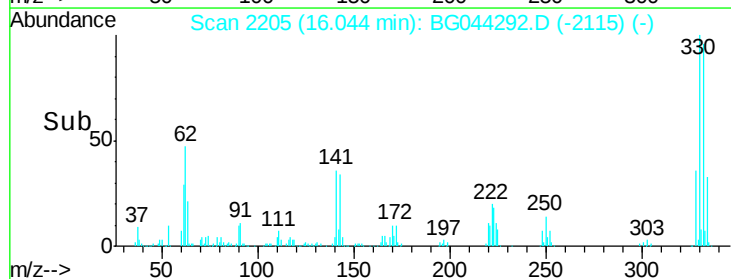
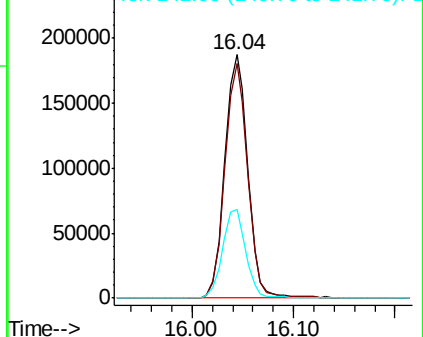
141 36.7 28.3 42.5

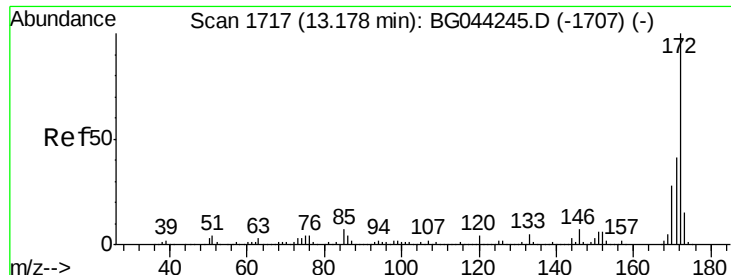


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

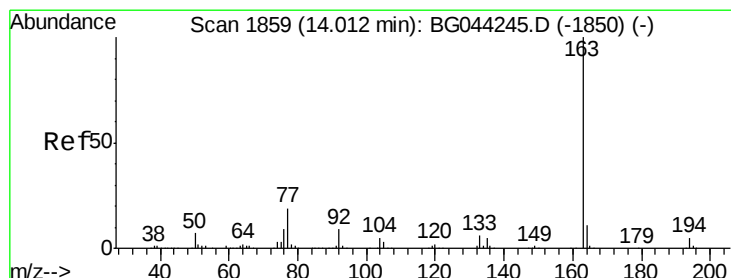
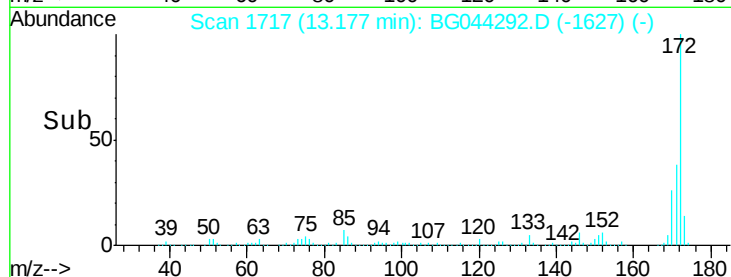
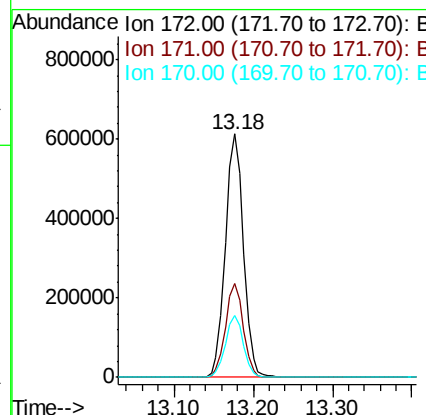
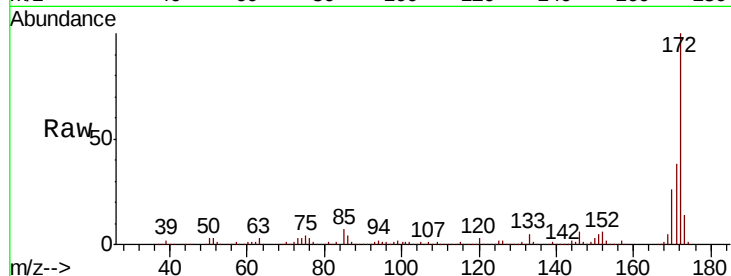




#45
2-Fluorobiphenyl
Concen: 74.722 ng
RT: 13.18 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

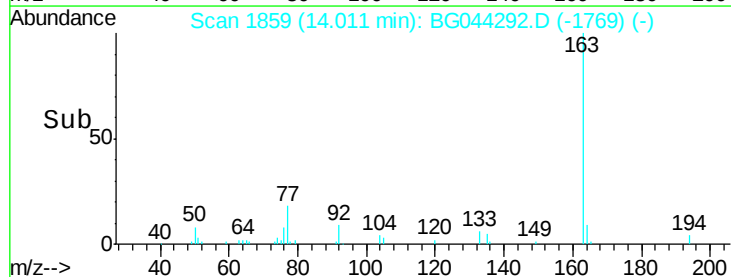
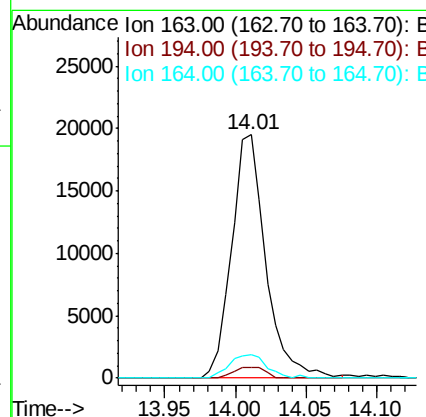
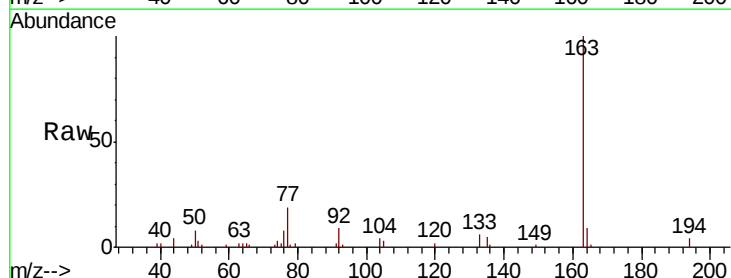
Instrument :
BNA_G
ClientSampleId :

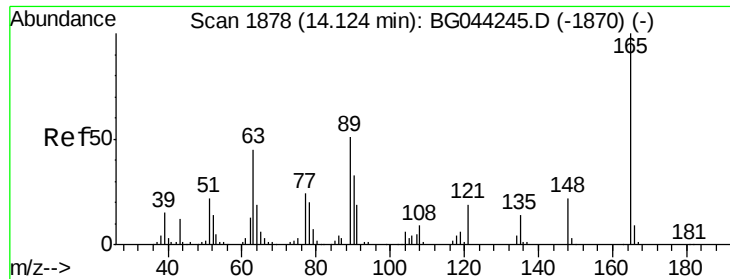
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	32.9	49.3
170	25.6	22.0	33.0



#50
Dimethylphthalate
Concen: 2.100 ng
RT: 14.01 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	9.4	8.7	13.1

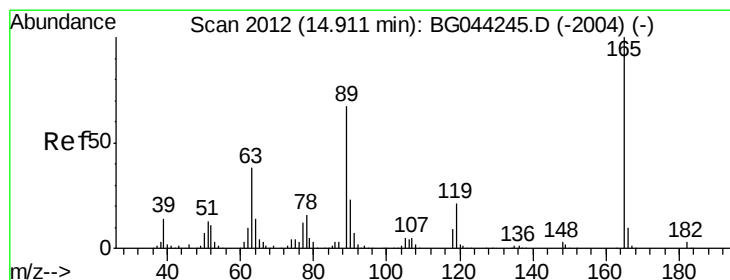
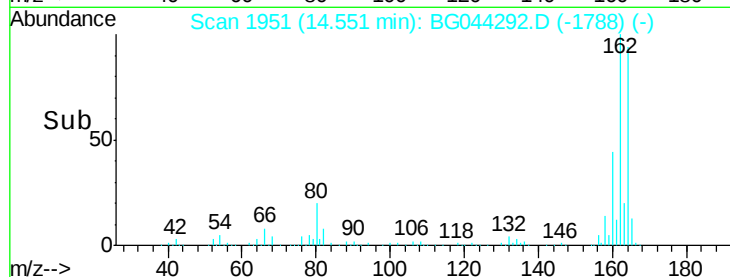
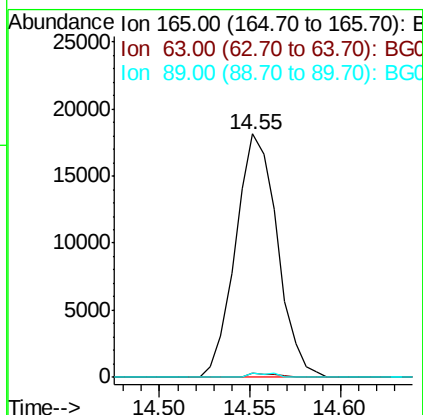
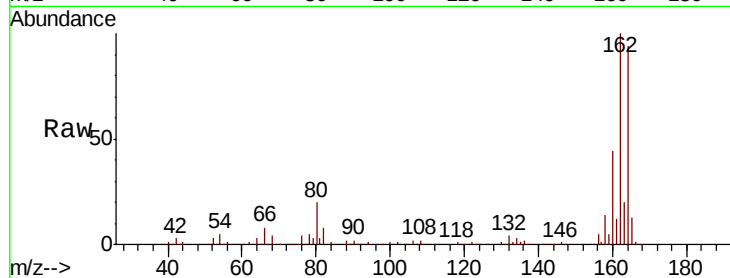




#51
 2,6-Dinitrotoluene
 Concen: 8.334 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG044292.D
 Acq: 4 Feb 2020 22:33

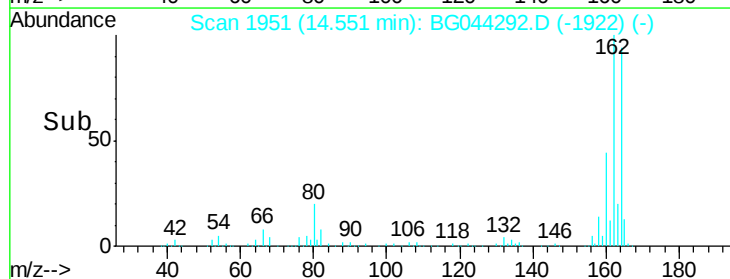
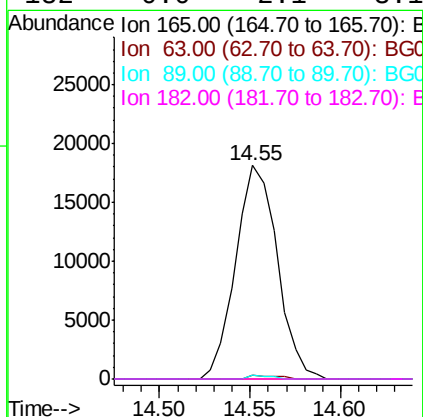
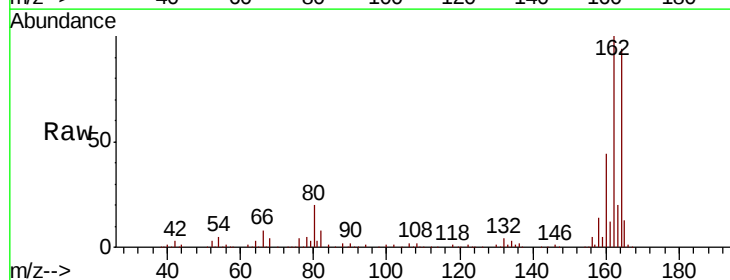
Instrument :
 BNA_G
 ClientSampleId :

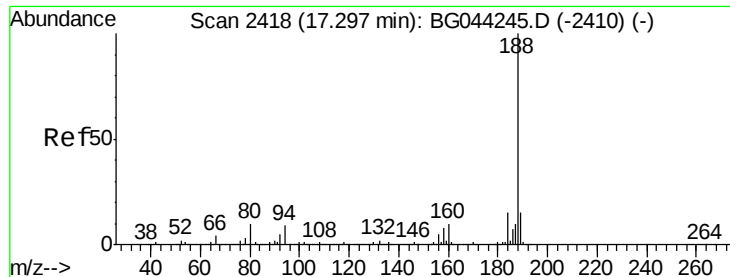
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	38.7	58.1#
89	1.6	40.4	60.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.946 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044292.D
 Acq: 4 Feb 2020 22:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	30.3	45.5#
89	1.6	53.4	80.2#
182	0.0	2.1	3.1#

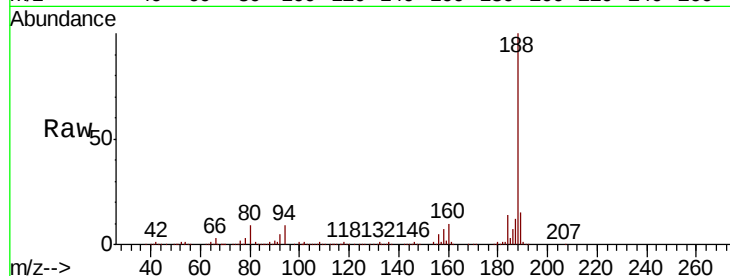




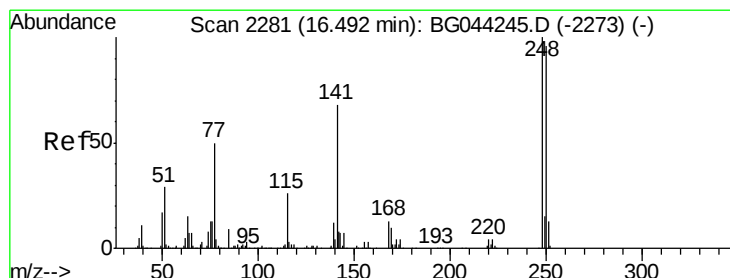
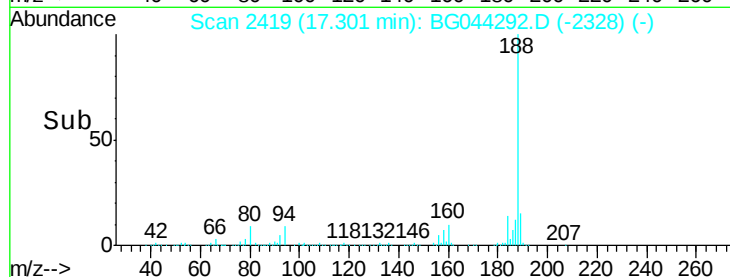
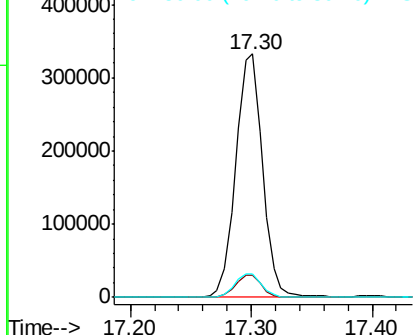
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 516293
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.4 7.7 11.5

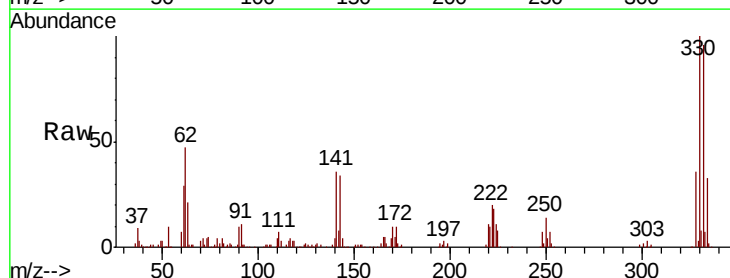


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

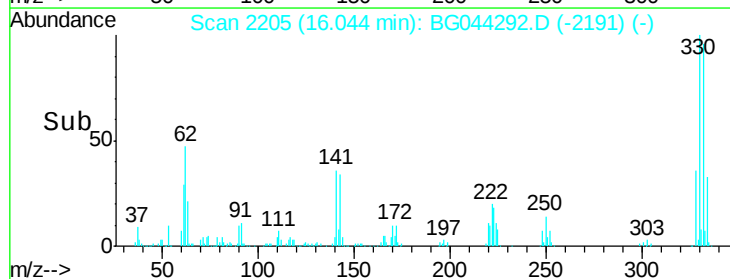
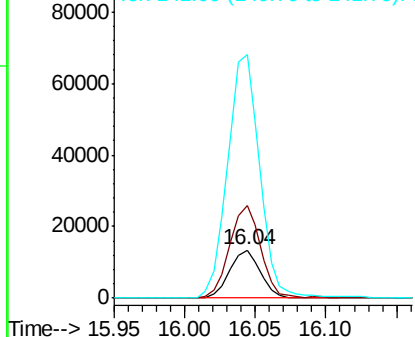


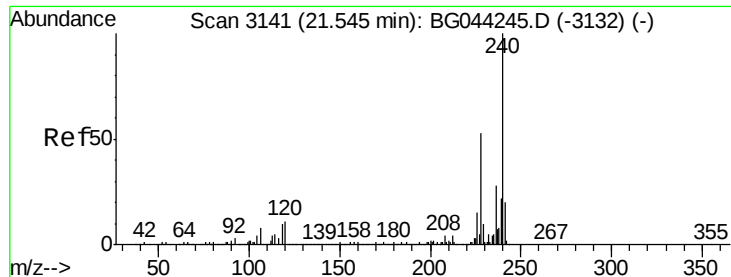
#67
4-Bromophenyl-phenylether
Concen: 3.683 ng
RT: 16.04 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Tgt Ion:248 Resp: 20719
Ion Ratio Lower Upper
248 100
250 193.1 76.6 114.8#
141 504.5 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

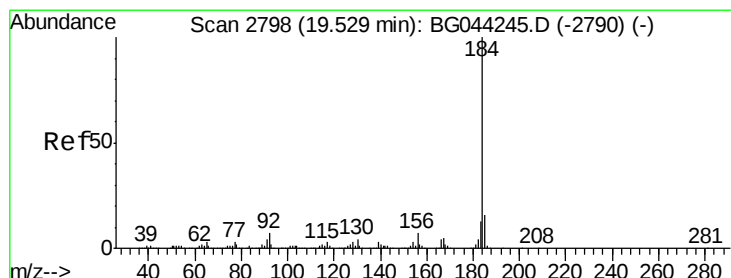
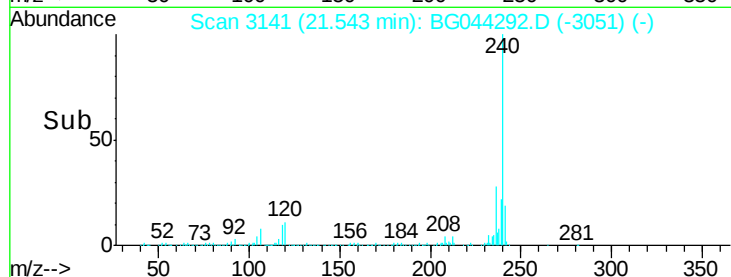
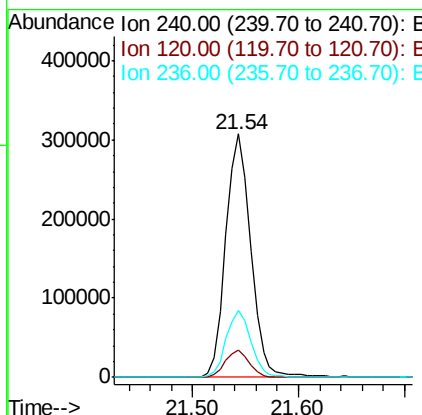
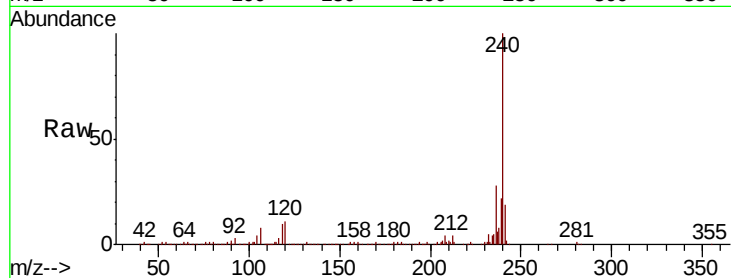




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

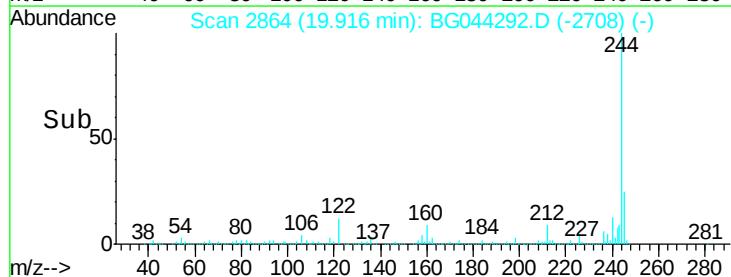
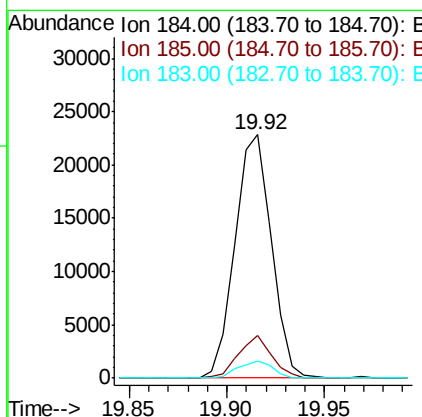
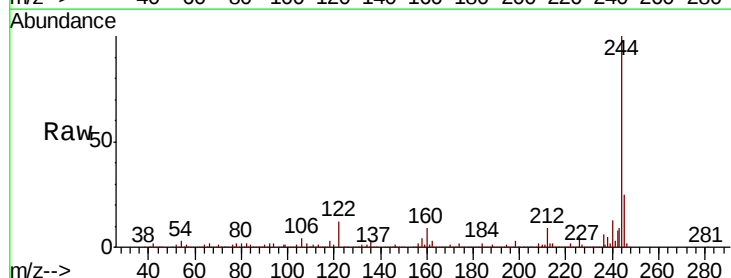
Instrument :
BNA_G
ClientSampleId :

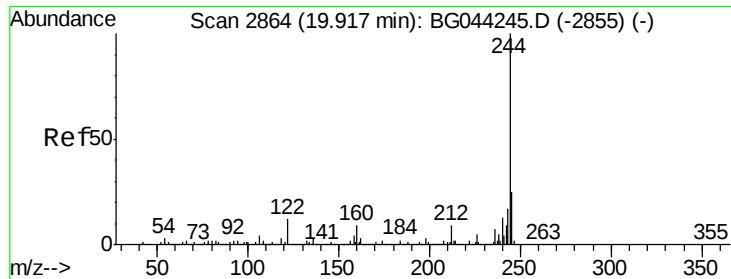
Tot Ion:240 Resp: 506402
Ion Ratio Lower Upper
240 100
120 11.1 8.4 12.6
236 27.5 22.1 33.1



#77
Benzidine
Concen: 2.099 ng
RT: 19.92 min Scan# 2864
Delta R.T. 0.39 min
Lab File: BG044292.D
Acq: 4 Feb 2020 22:33

Tgt Ion:184 Resp: 29480
Ion Ratio Lower Upper
184 100
185 17.6 12.9 19.3
183 7.1 10.8 16.2#





#79

Terphenyl-d14

Concen: 70.862 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044292.D

Acq: 4 Feb 2020 22:33

Instrument :

BNA_G

ClientSampleId :

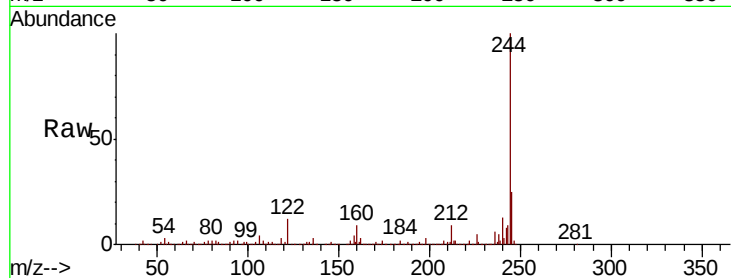
Tot Ion:244 Resp: 1744631

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.2

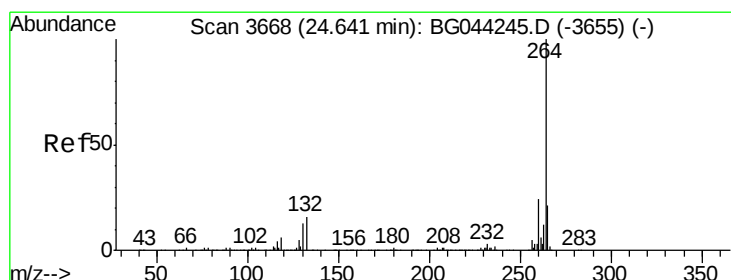
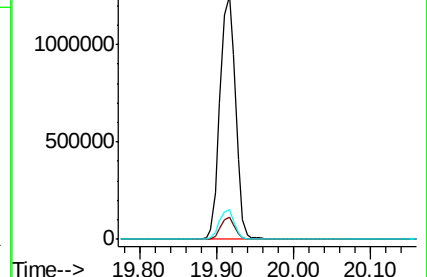
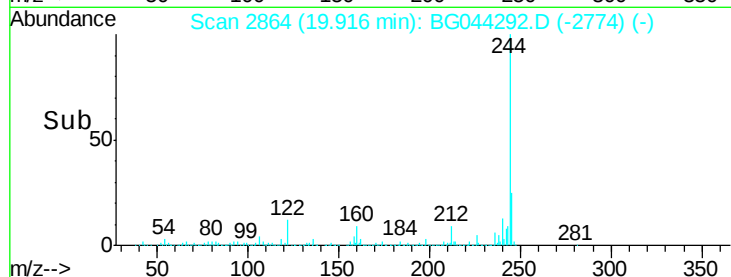
122 12.1 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BG044292.D

Acq: 4 Feb 2020 22:33

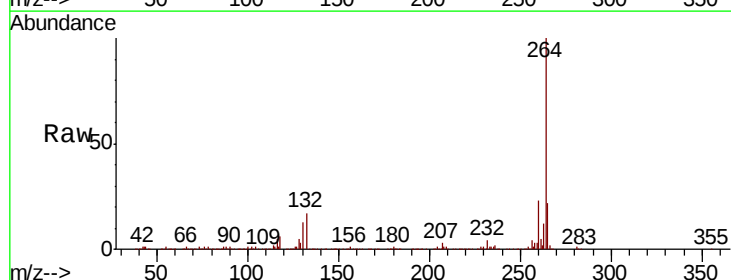
Tgt Ion:264 Resp: 567888

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.9 16.7 25.1



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

