

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020720\
 Data File : BG044343.D
 Acq On : 7 Feb 2020 18:56
 Operator : CG/JU
 Sample : L1431-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

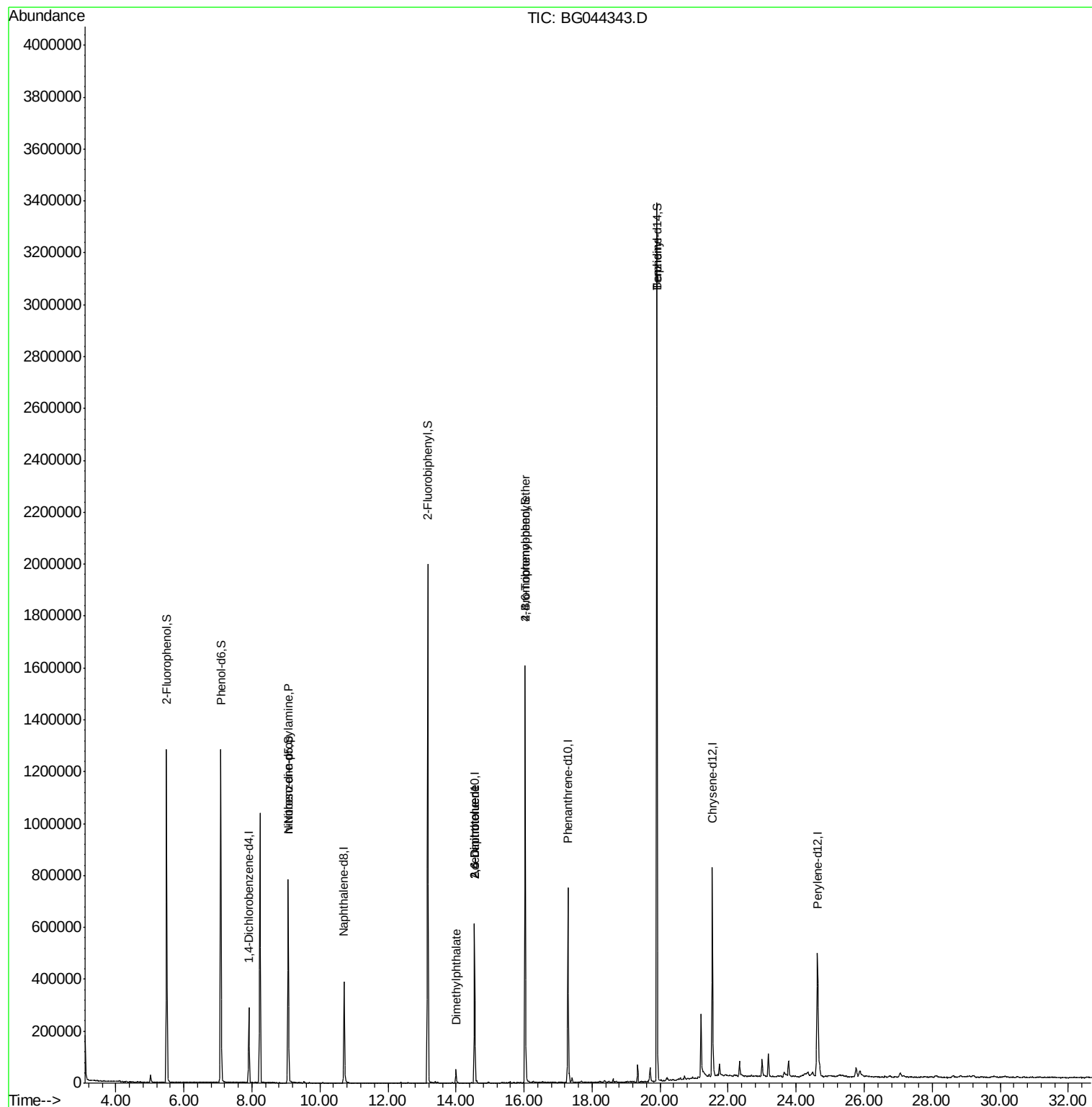
Quant Time: Feb 08 02:34:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

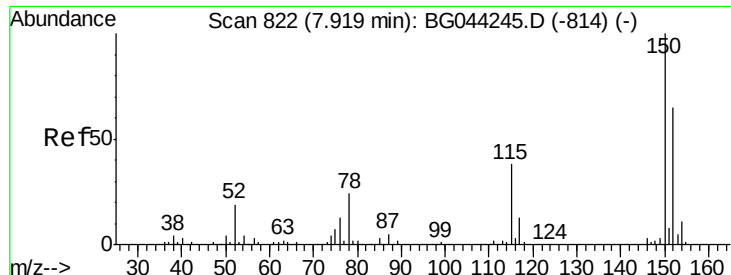
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	91354	20.00	ng	-0.01
21) Naphthalene-d8	10.71	136	361835	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	232165	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	498929	20.00	ng	0.00
76) Chrysene-d12	21.53	240	477692	20.00	ng	-0.01
87) Perylene-d12	24.63	264	500828	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	636028	122.87	ng	0.00
7) Phenol-d6	7.09	99	826881	118.96	ng	0.00
23) Nitrobenzene-d5	9.07	82	504926	78.78	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	315123	115.62	ng	-0.01
45) 2-Fluorobiphenyl	13.17	172	1119476	80.75	ng	0.00
79) Terphenyl-d14	19.91	244	1643669	70.77	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	65870	14.219	ng	# 75
50) Dimethylphthalate	14.00	163	41036	2.459	ng	# 97
51) 2,6-Dinitrotoluene	14.55	165	29520	7.933	ng	# 29
57) 2,4-Dinitrotoluene	14.55	165	29520	5.660	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	21758	4.003	ng	# 1
77) Benzidine	19.91	184	27133	2.048	ng	# 90

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

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ALS Vial : 14 Sample Multiplier: 1

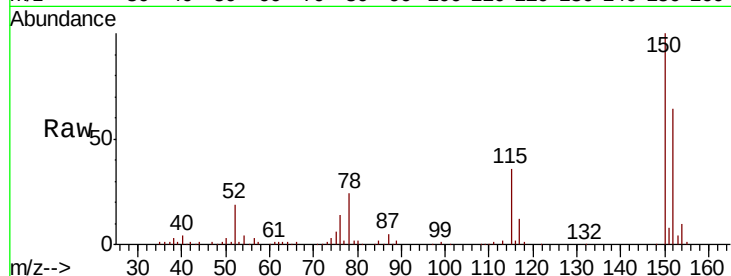
Quant Time: Feb 08 02:34:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BG044343.D
 Acq: 7 Feb 2020 18:56

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.6	183.8
115	56.3	46.0	69.0

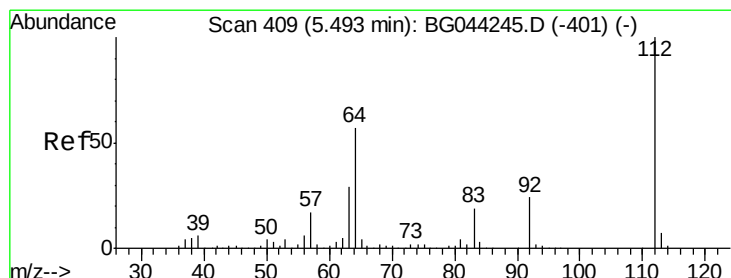
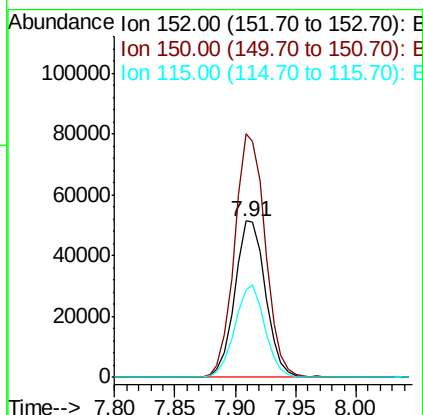
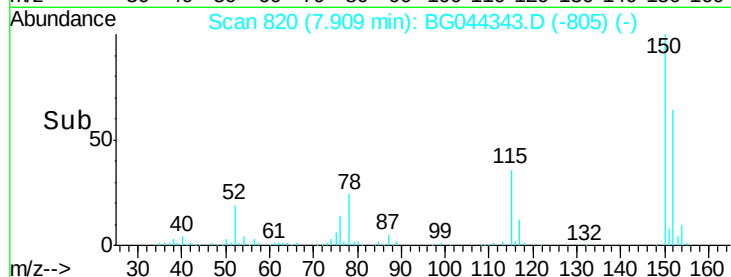


Abundance

Ion 152.00 (151.70 to 152.70): E

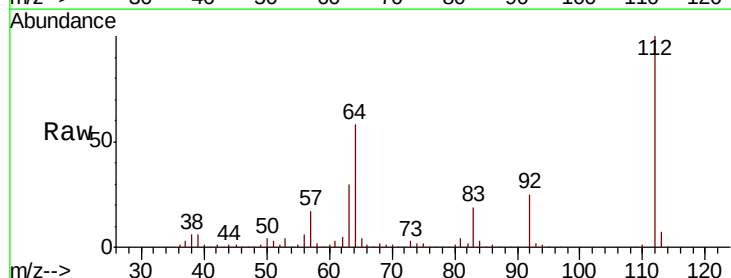
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 122.872 ng
 RT: 5.49 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: BG044343.D
 Acq: 7 Feb 2020 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.4	68.2
63	29.9	22.9	34.3

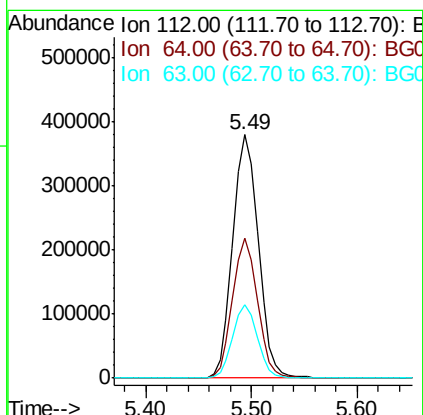
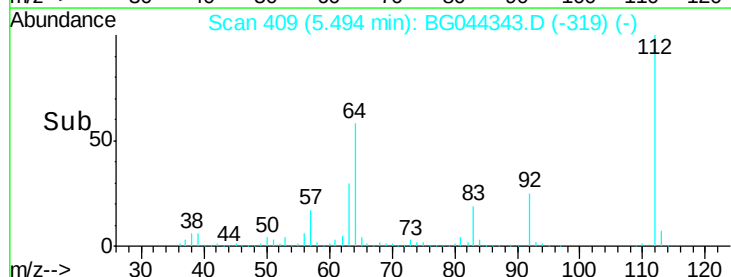


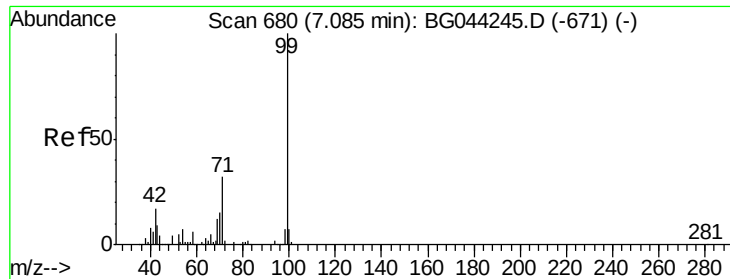
Abundance

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: 118.958 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044343.D

Acq: 7 Feb 2020 18:56

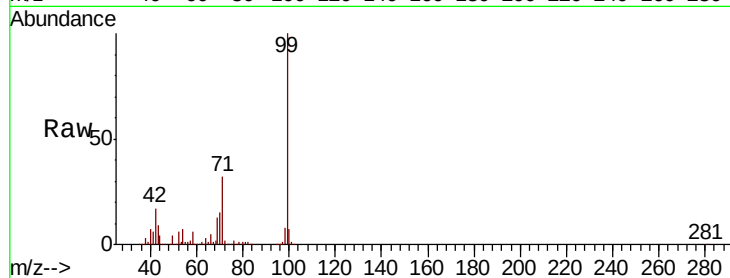
Tot Ion: 99 Resp: 826881

Ion Ratio Lower Upper

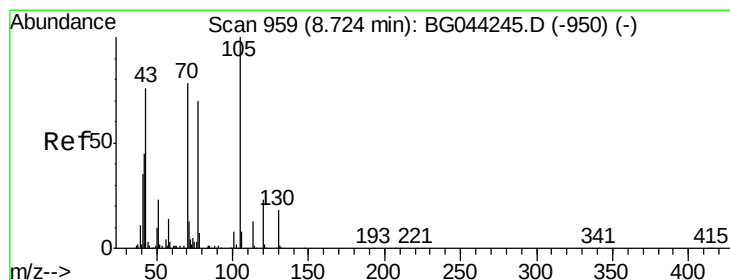
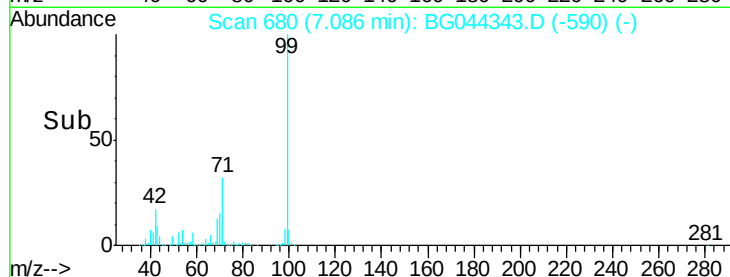
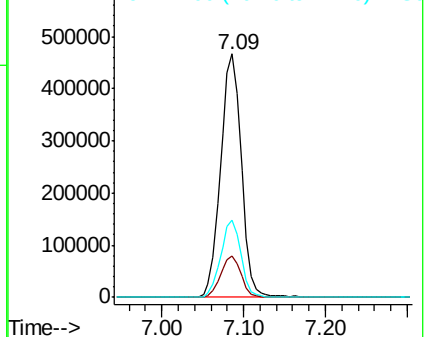
99 100

42 17.1 13.8 20.6

71 31.5 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: 14.219 ng

RT: 9.07 min Scan# 1017

Delta R.T. 0.34 min

Lab File: BG044343.D

Acq: 7 Feb 2020 18:56

Tgt Ion: 70 Resp: 65870

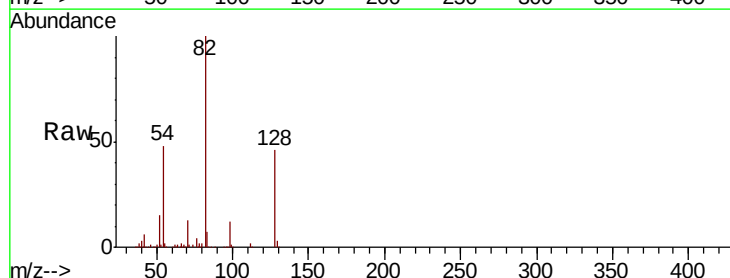
Ion Ratio Lower Upper

70 100

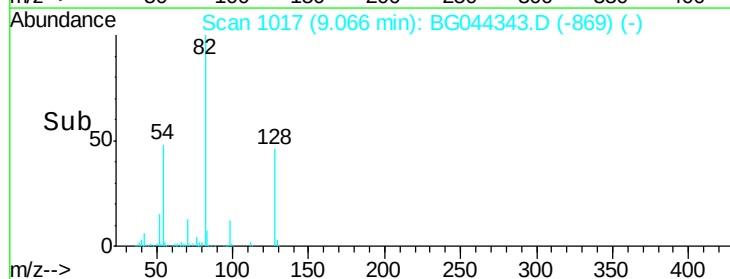
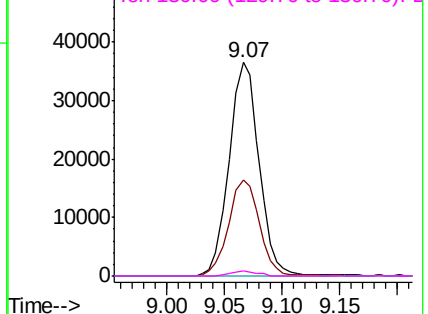
42 44.8 46.2 69.2#

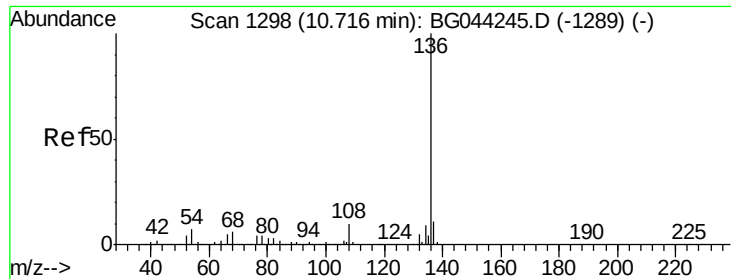
101 0.0 8.4 12.6#

130 2.3 17.8 26.8#



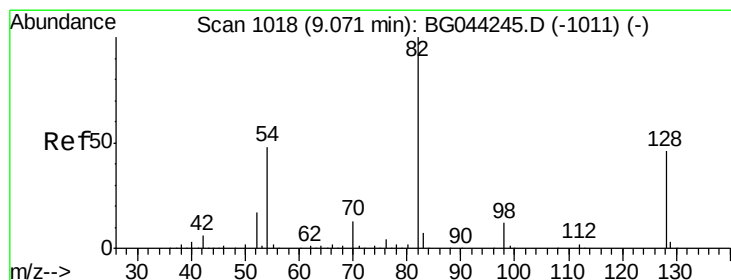
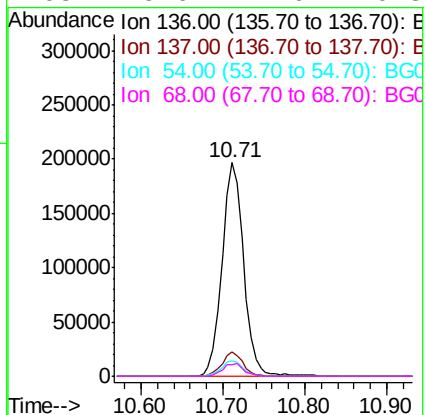
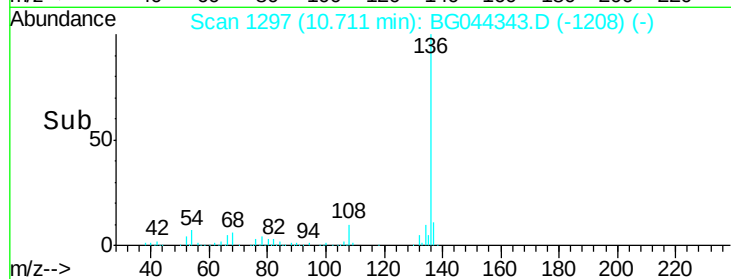
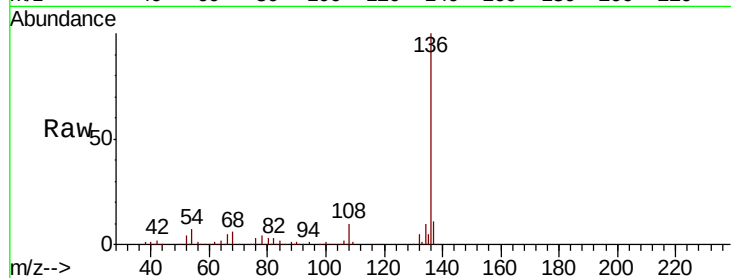
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





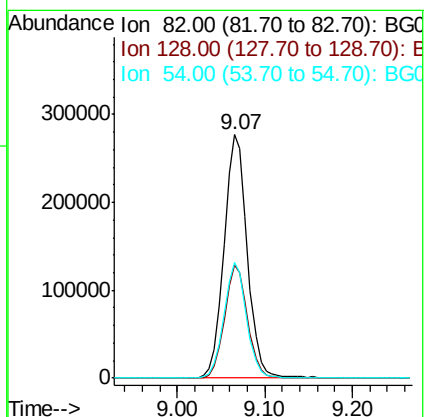
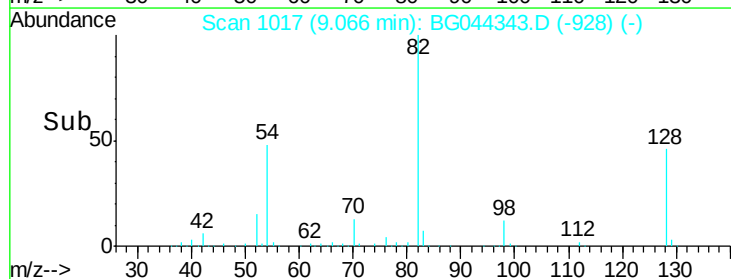
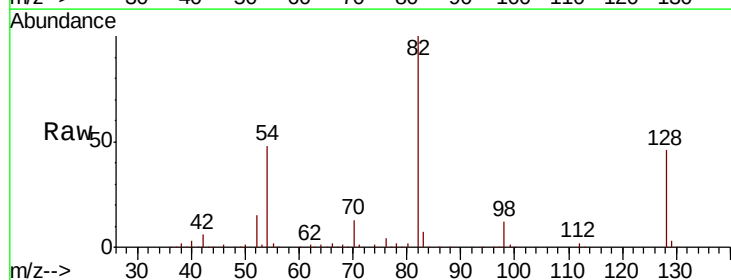
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

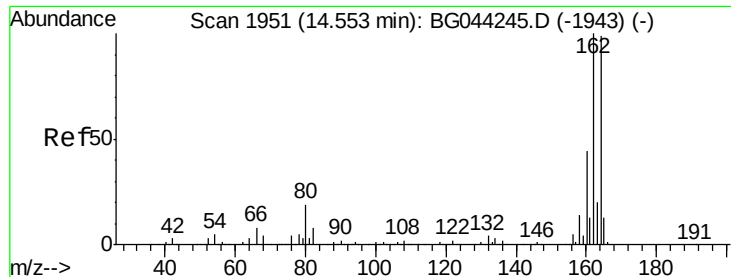
Tot Ion:136	Resp:	361835
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.8	13.2
54 7.3	5.8	8.8
68 5.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 78.782 ng
RT: 9.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

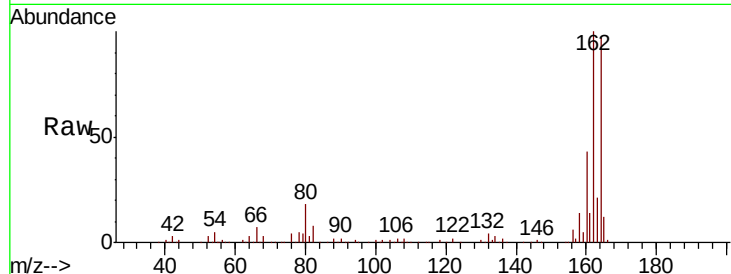
Tgt Ion: 82	Resp: 504926
Ratio	Lower Upper
82 100	
128 46.2	36.5 54.7
54 47.5	38.6 58.0



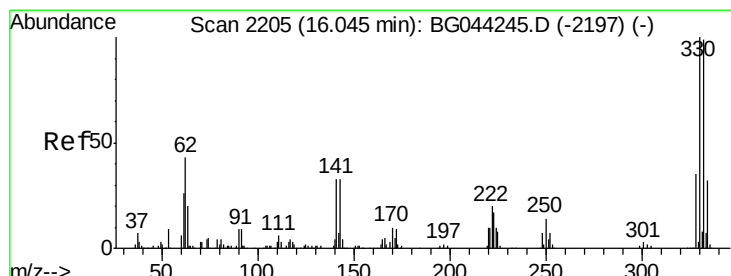
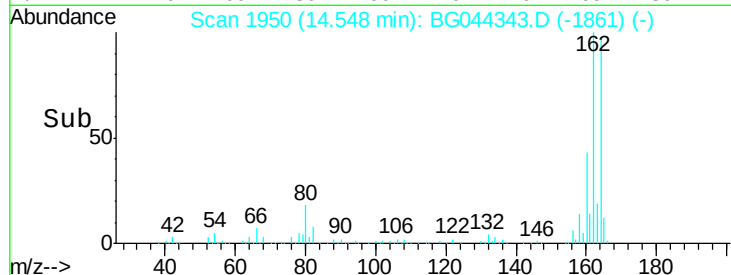
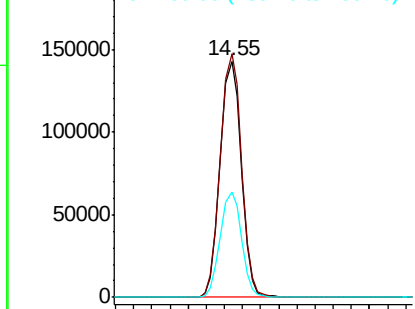


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.7	121.1
160	44.6	35.3	52.9

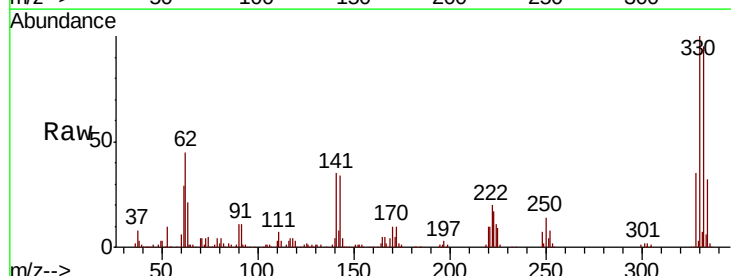


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

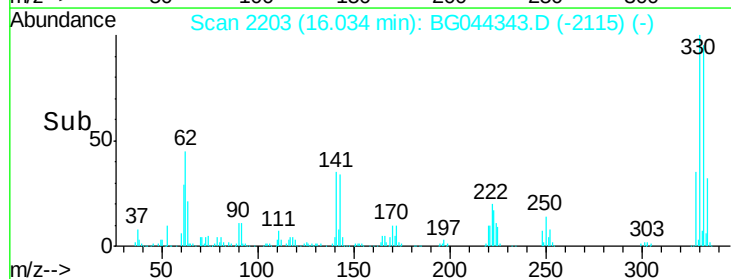
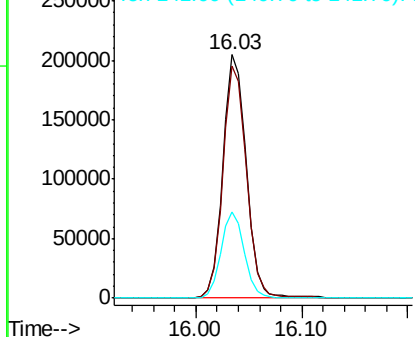


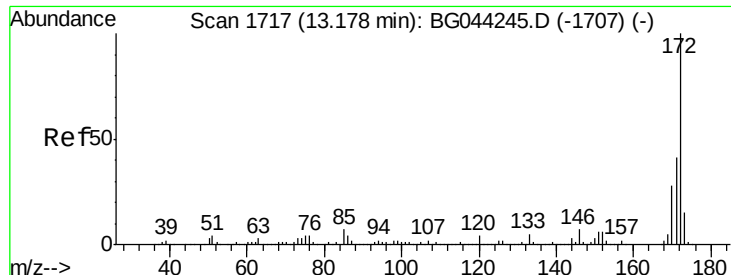
#42
2,4,6-Tribromophenol
Concen: 115.621 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.2	115.8
141	35.6	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

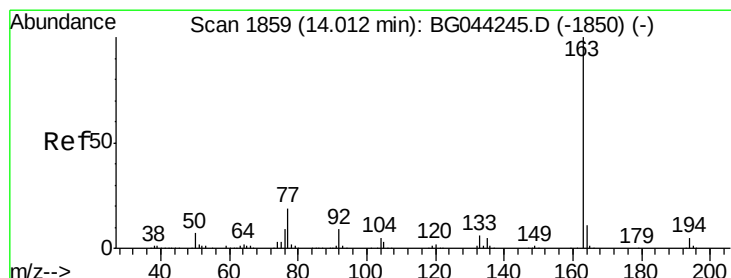
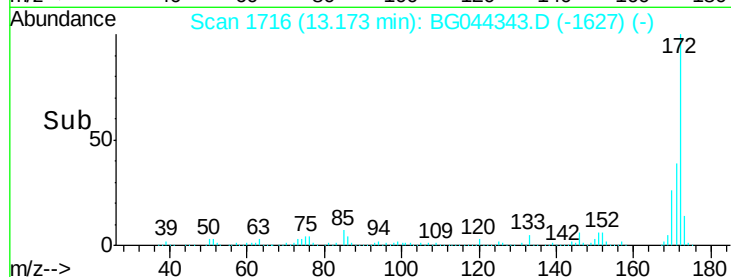
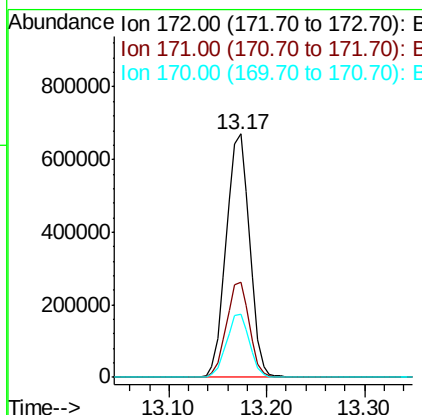
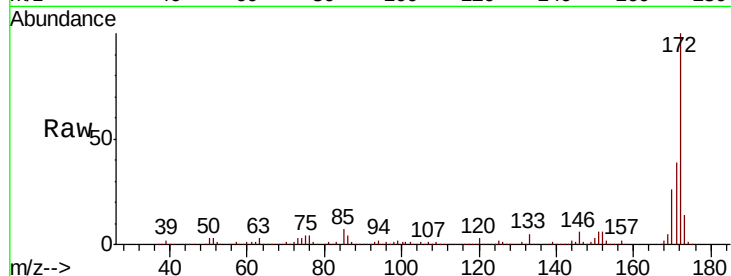




#45
2-Fluorobiphenyl
Concen: 80.745 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

Tot Ion:172 Resp: 1119476

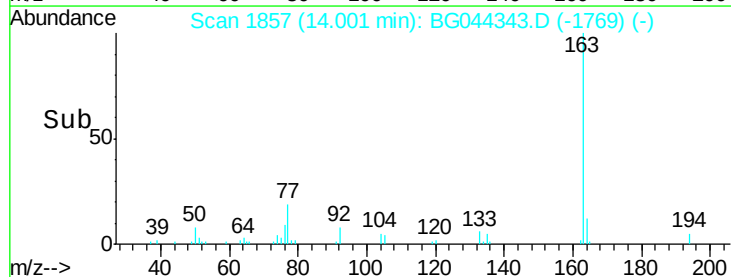
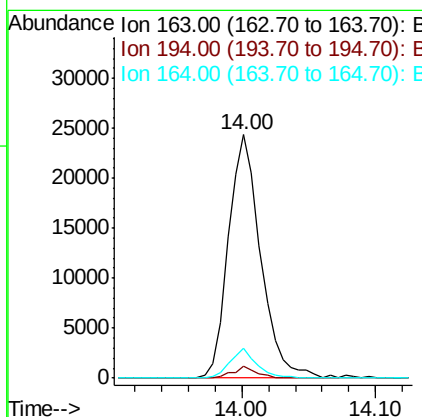
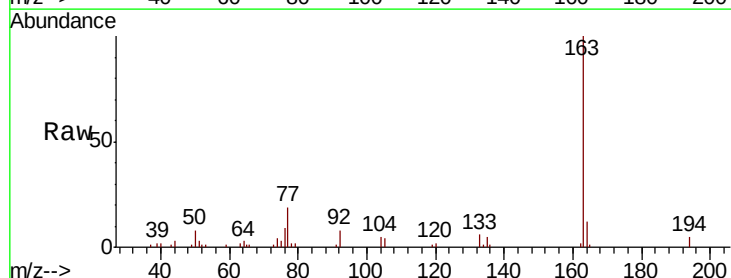
Ion	Ratio	Lower	Upper
172	100		
171	39.3	32.9	49.3
170	26.0	22.0	33.0

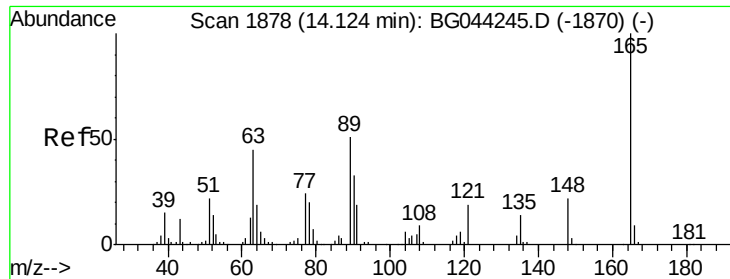


#50
Dimethylphthalate
Concen: 2.459 ng
RT: 14.00 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

Tgt Ion:163 Resp: 41036

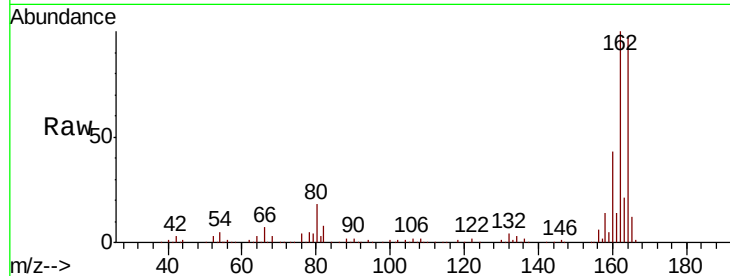
Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.6	5.4
164	12.2	8.7	13.1





#51
 2,6-Dinitrotoluene
 Concen: 7.933 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. 0.42 min
 Lab File: BG044343.D
 Acq: 7 Feb 2020 18:56

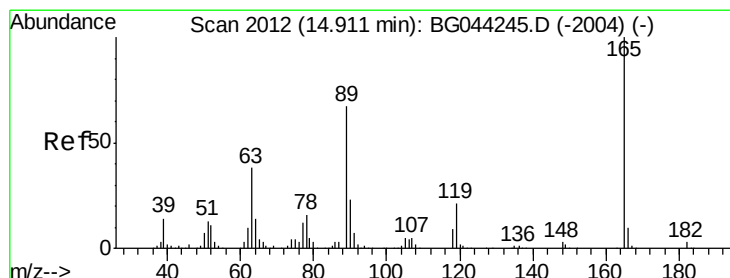
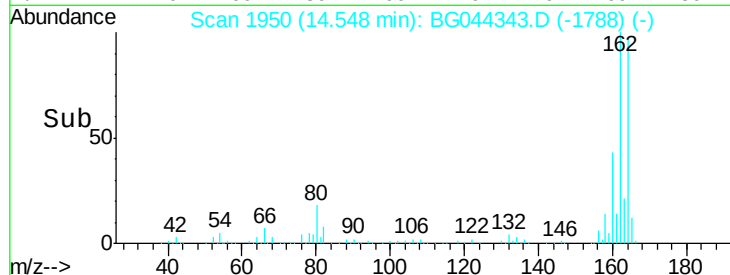
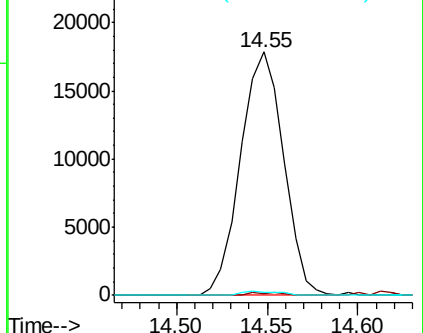
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	38.7	58.1#
89	1.2	40.4	60.6#



Abundance Ion 165.00 (164.70 to 165.70): E

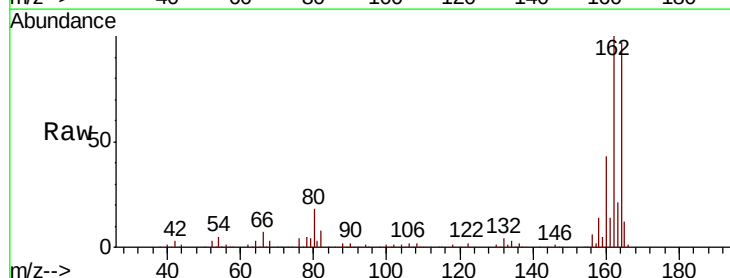
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.660 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. -0.36 min
 Lab File: BG044343.D
 Acq: 7 Feb 2020 18:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	30.3	45.5#
89	1.2	53.4	80.2#
182	0.0	2.1	3.1#

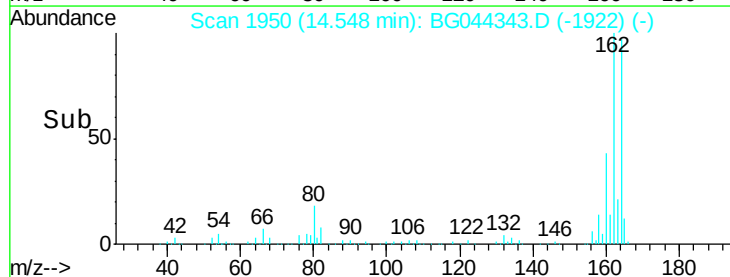
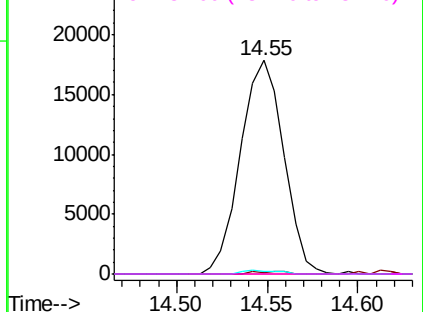


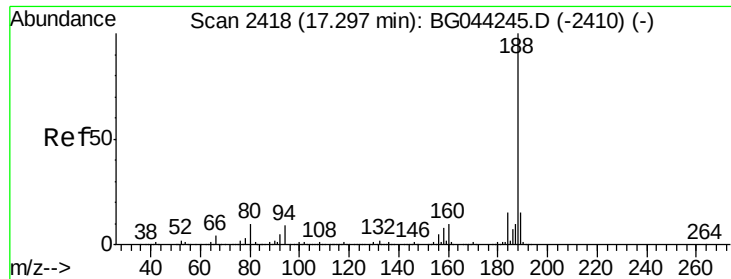
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: BG044343.D

Acq: 7 Feb 2020 18:56

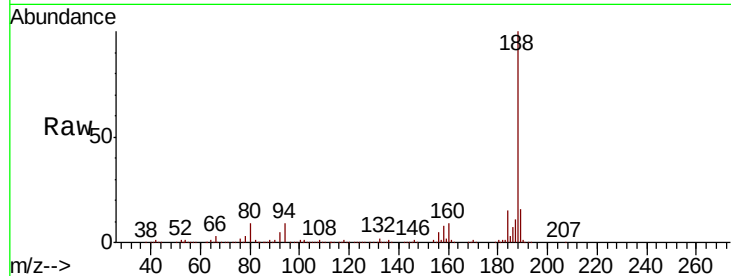
Tot Ion:188 Resp: 498929

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.1 7.7 11.5

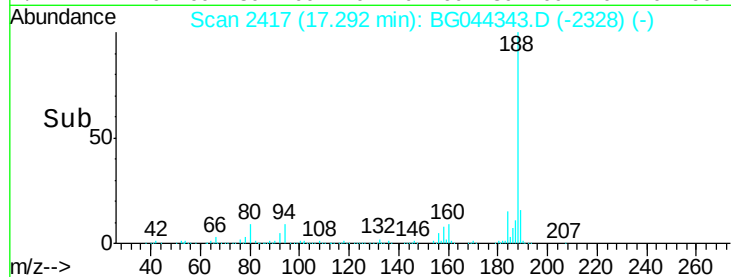


Abundance Ion 188.00 (187.70 to 188.70): E

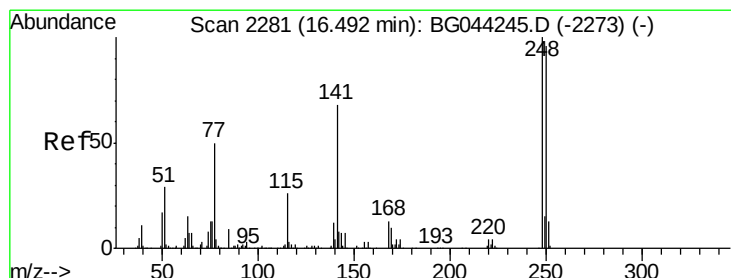
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

Time--> 17.20 17.30 17.40



Time--> 17.20 17.30 17.40



#67

4-Bromophenyl-phenylether

Concen: 4.003 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.46 min

Lab File: BG044343.D

Acq: 7 Feb 2020 18:56

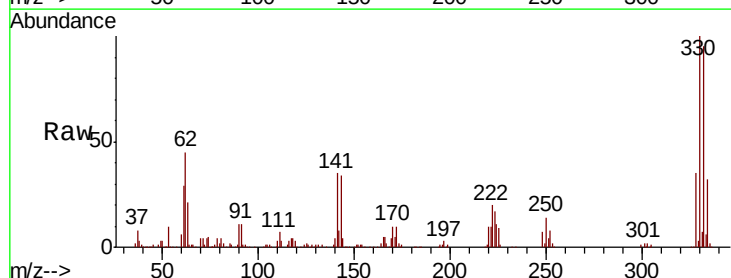
Tgt Ion:248 Resp: 21758

Ion Ratio Lower Upper

248 100

250 191.9 76.6 114.8#

141 496.6 54.7 82.1#

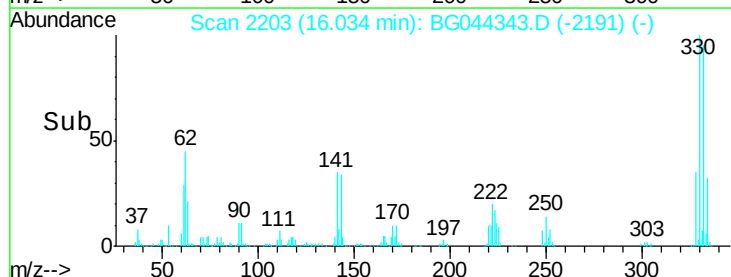


Abundance Ion 248.00 (247.70 to 248.70): E

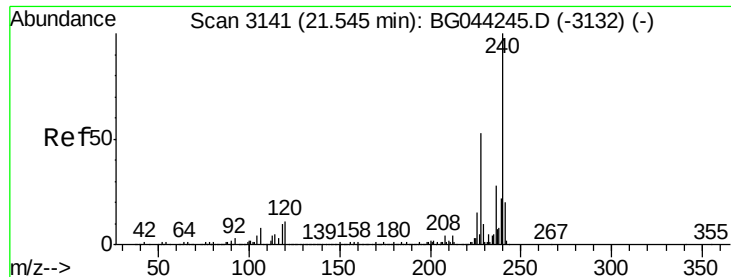
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 16.00 16.05 16.10

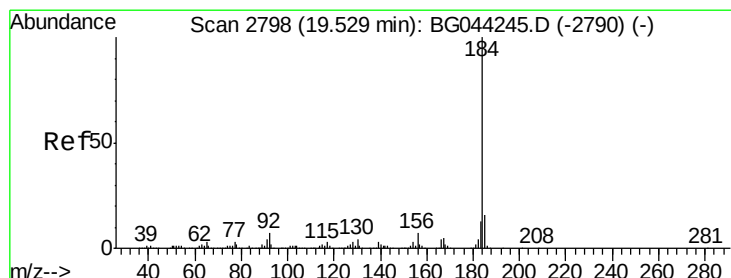
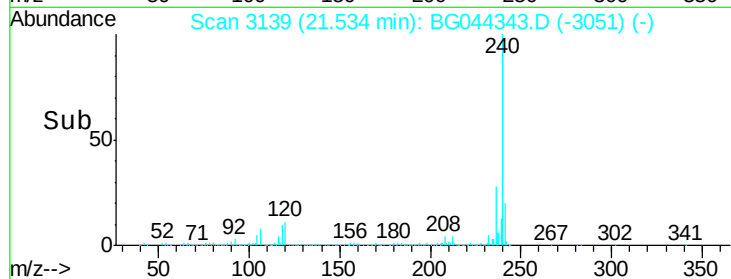
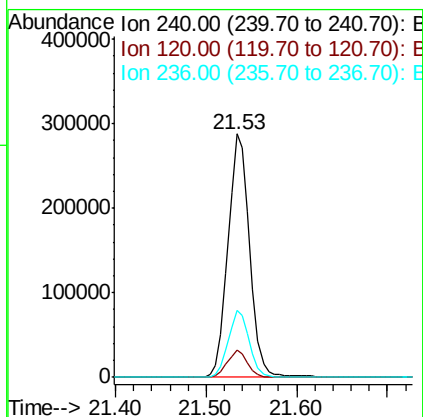
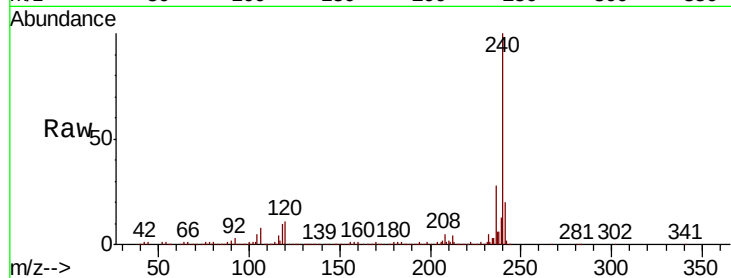


Time--> 16.00 16.05 16.10



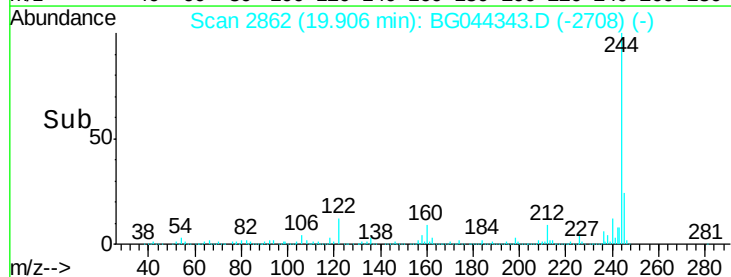
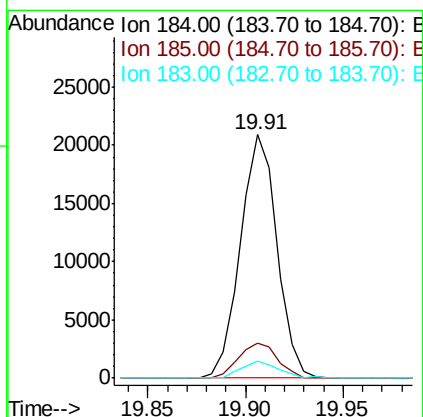
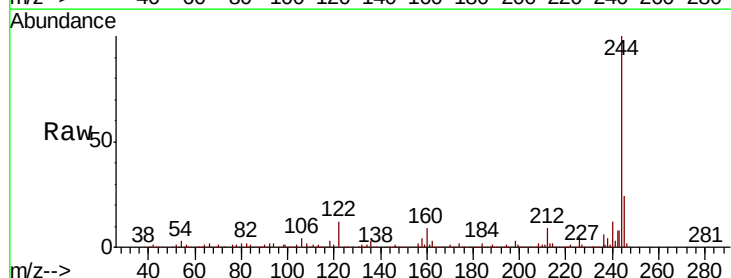
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.53 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

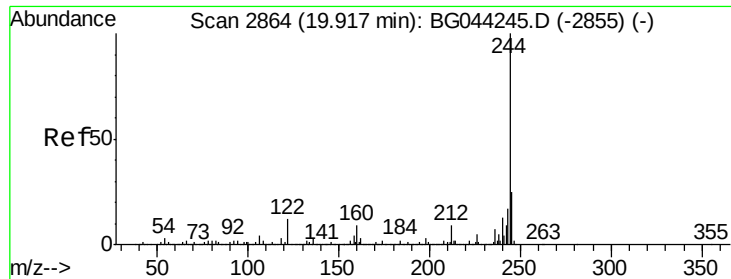
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	27.6	22.1	33.1



#77
Benzidine
Concen: 2.048 ng
RT: 19.91 min Scan# 2862
Delta R.T. 0.38 min
Lab File: BG044343.D
Acq: 7 Feb 2020 18:56

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.9	19.3
183	6.8	10.8	16.2





#79

Terphenyl-d14

Concen: 70.774 ng

RT: 19.91 min Scan# 2862

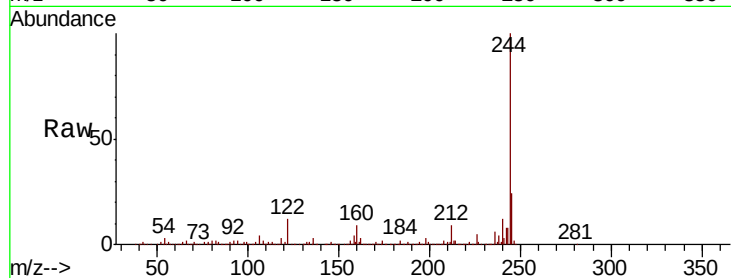
Delta R.T. -0.01 min

Lab File: BG044343.D

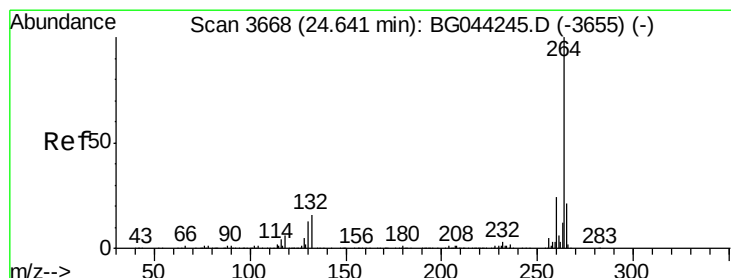
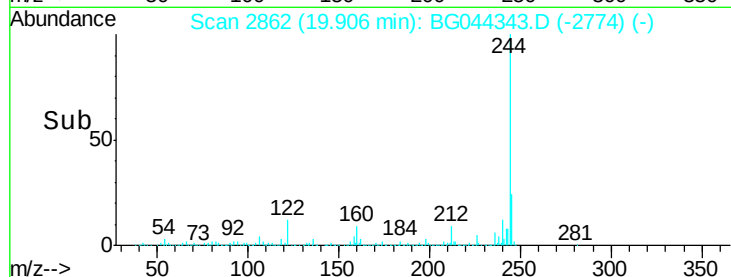
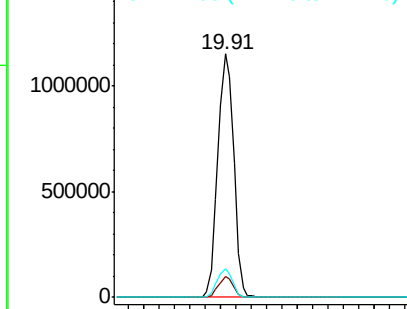
Acq: 7 Feb 2020 18:56

Tot Ion:244 Resp: 1643669

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.4	11.2
122	12.0	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: 24.63 min Scan# 3666

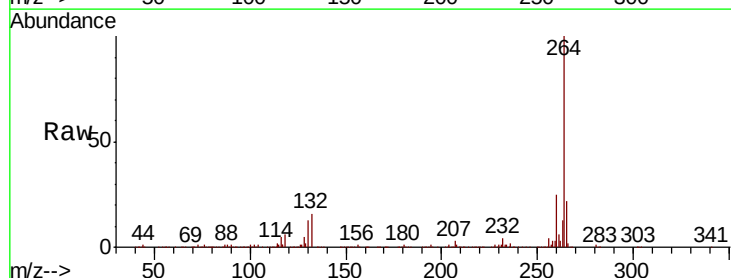
Delta R.T. -0.01 min

Lab File: BG044343.D

Acq: 7 Feb 2020 18:56

Tgt Ion:264 Resp: 500828

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.0	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

