

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
 Data File : BG043600.D
 Acq On : 12 Nov 2019 1:48
 Operator : JU
 Sample : K5760-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 12 07:48:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

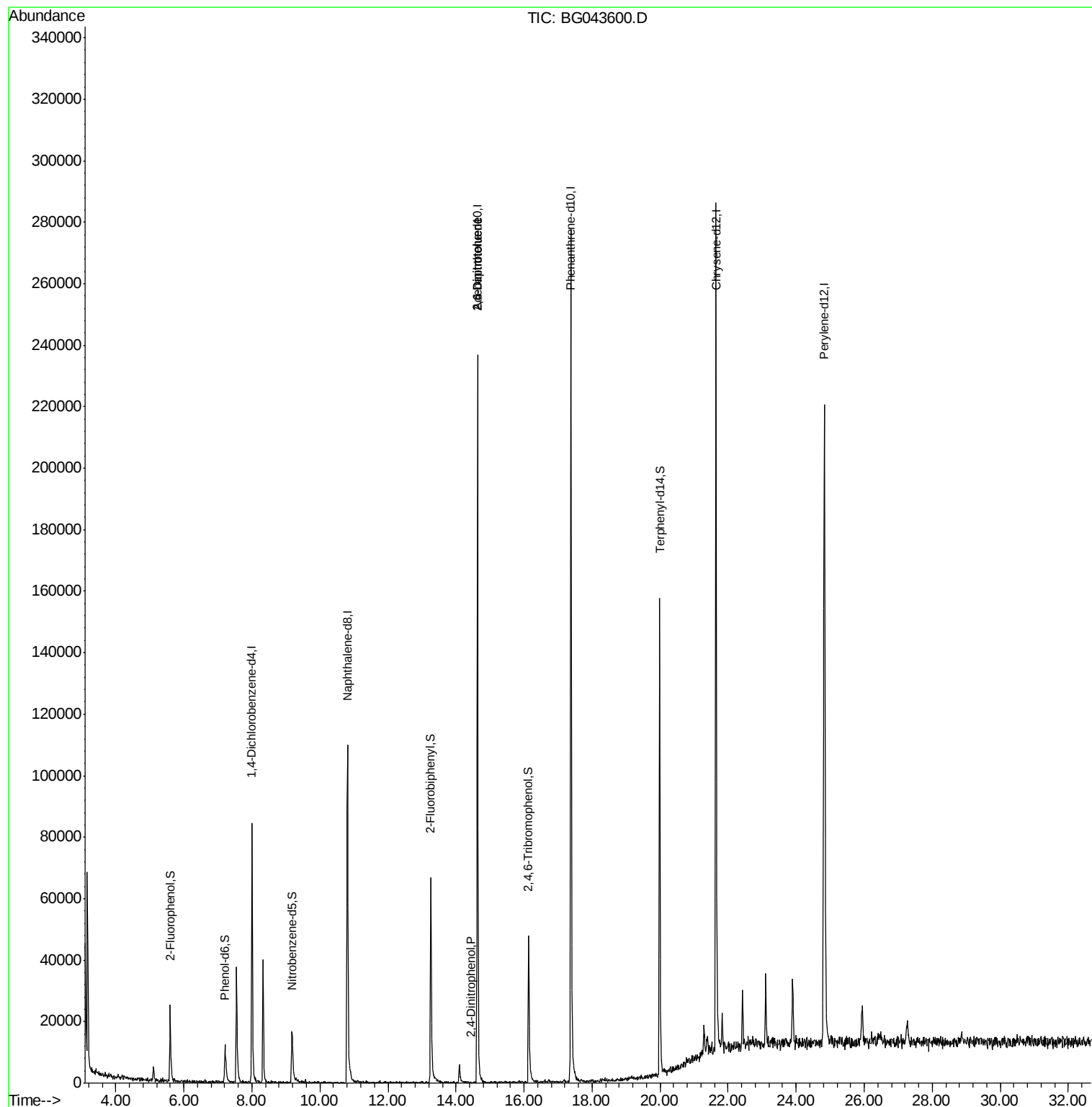
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	29715	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	114112	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	92753	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	221374	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	202496	20.00	ng	-0.01
87) Perylene-d12	24.82	264	242618	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	14438	8.90	ng	0.00
7) Phenol-d6	7.21	99	12792	5.48	ng	0.01
23) Nitrobenzene-d5	9.19	82	18809	8.50	ng	0.01
42) 2,4,6-Tribromophenol	16.13	330	17981	10.19	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	59738	8.90	ng	0.00
79) Terphenyl-d14	19.99	244	100067	9.27	ng	-0.01
Target Compounds						
51) 2,6-Dinitrotoluene	14.63	165	12037	7.712	ng	# 22
54) 2,4-Dinitrophenol	14.45	184	56	7.335	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	12037	5.396	ng	# 25

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

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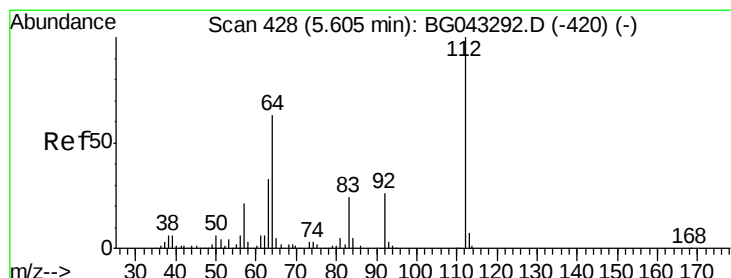
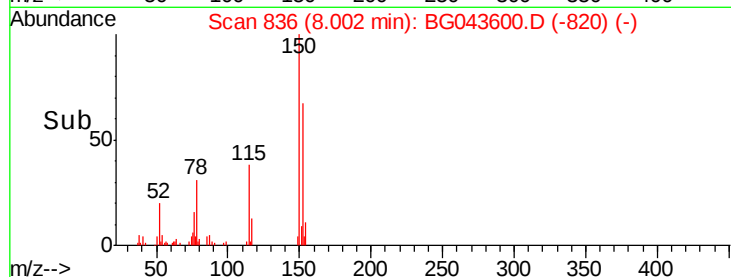
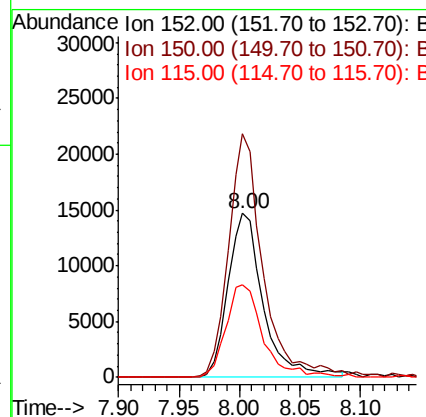
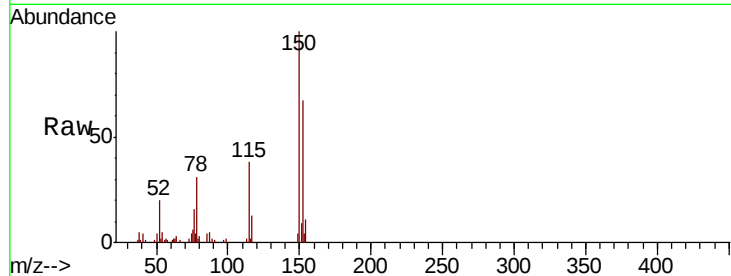


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043600.D
Acq: 12 Nov 2019 1:48

Instrument :
BNA_G
ClientSampleId :

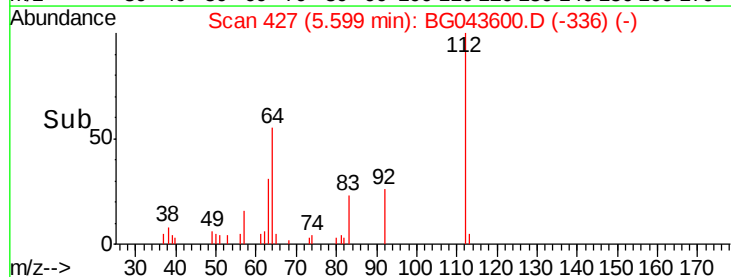
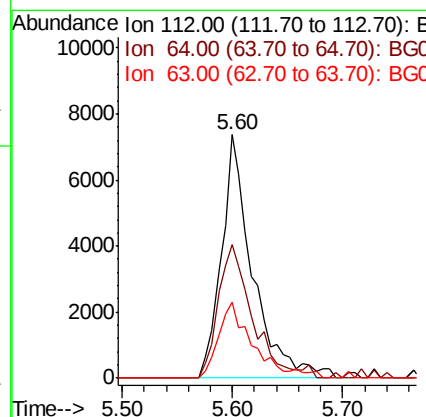
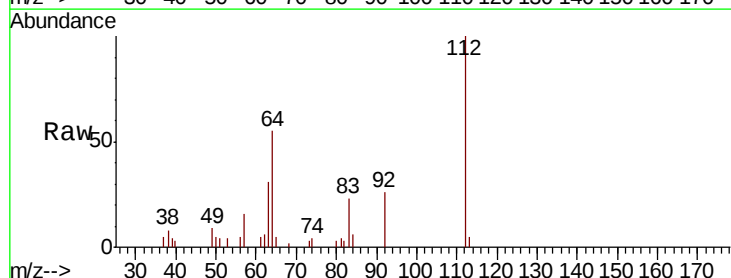
Tot Ion:152 Resp: 29715
Ion Ratio Lower Upper
152 100
150 148.7 129.4 194.0
115 56.5 48.8 73.2



#5

2-Fluorophenol
Concen: 8.904 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG043600.D
Acq: 12 Nov 2019 1:48

Tgt Ion:112 Resp: 14438
Ion Ratio Lower Upper
112 100
64 54.7 50.0 75.0
63 31.2 26.6 40.0





#7

Phenol-d6

Concen: 5.483 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043600.D

Acq: 12 Nov 2019 1:48

Instrument :

BNA_G

ClientSampled :

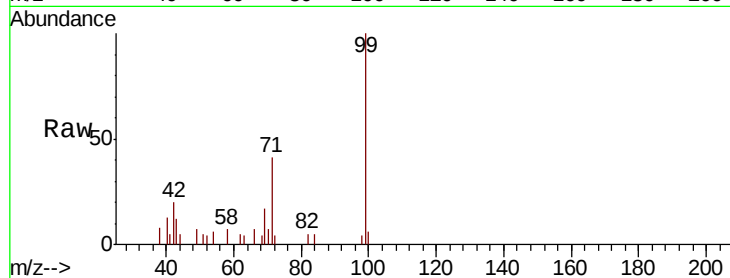
Tot Ion: 99 Resp: 12792

Ion Ratio Lower Upper

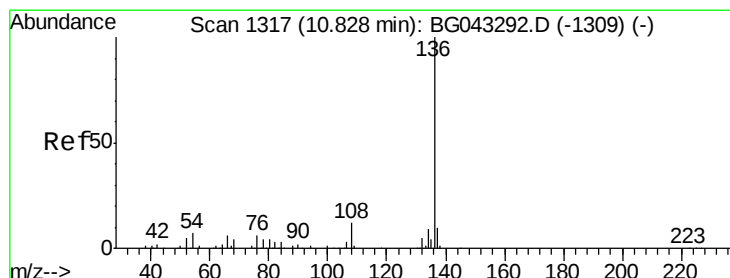
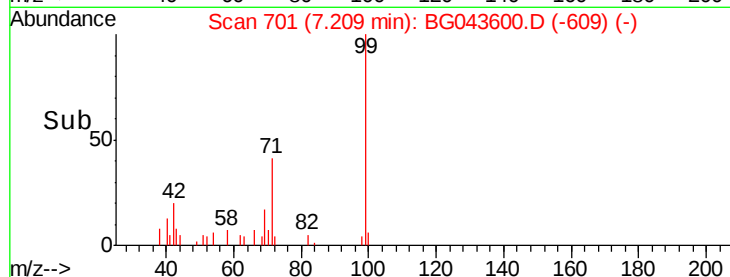
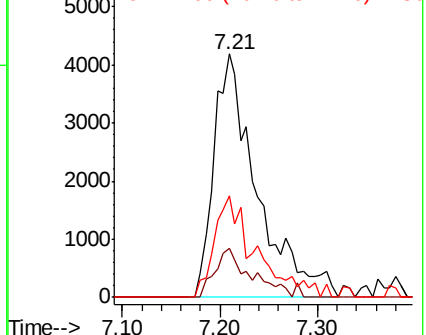
99 100

42 20.3 14.6 21.8

71 41.5 32.5 48.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BG043600.D

Acq: 12 Nov 2019 1:48

Tgt Ion: 136 Resp: 114112

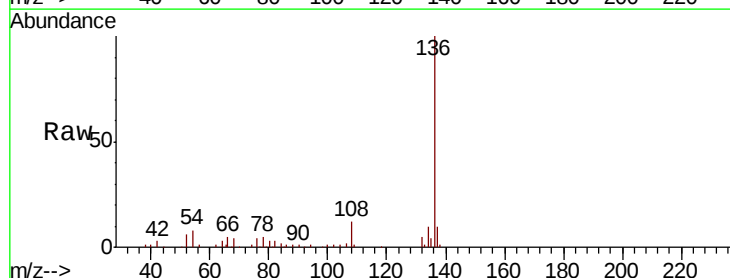
Ion Ratio Lower Upper

136 100

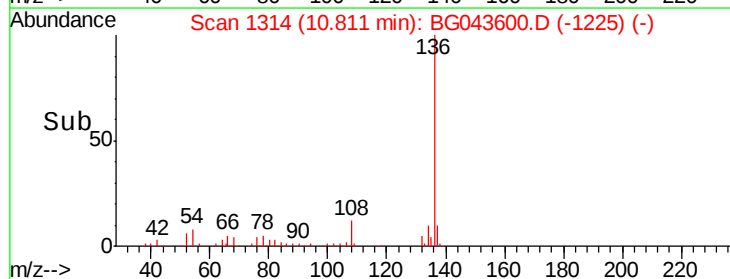
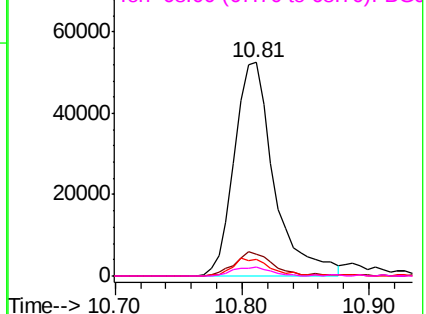
137 10.0 8.7 13.1

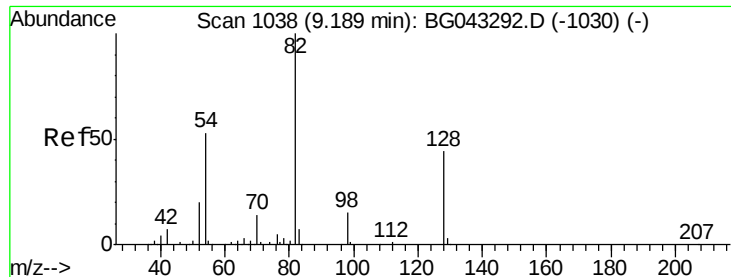
54 7.8 5.4 8.2

68 4.1 3.0 4.4



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

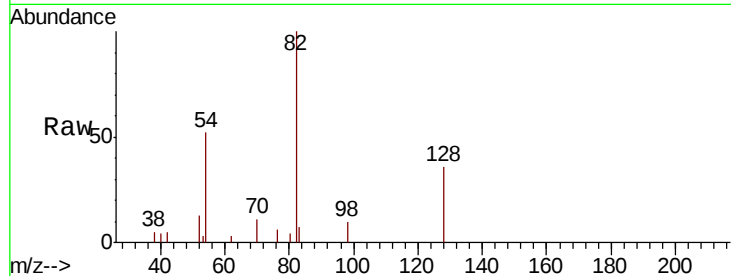




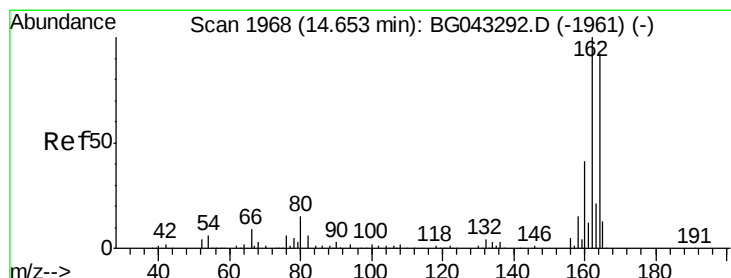
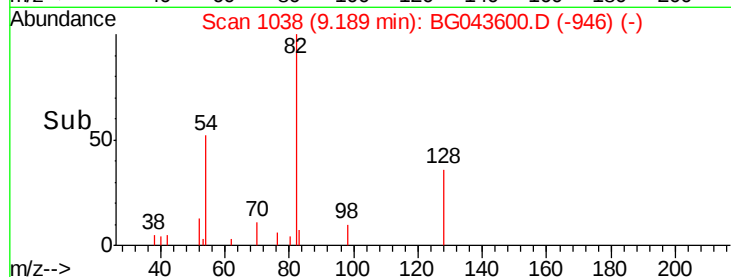
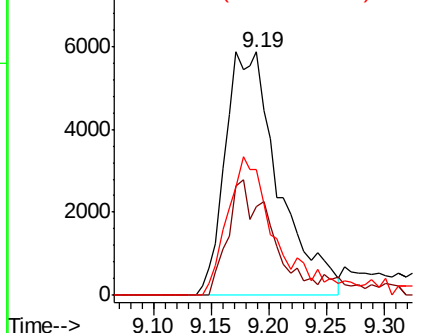
#23
 Nitrobenzene-d5
 Concen: 8.498 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	18809
Ion Ratio	Lower	Upper	
82	100		
128	36.2	35.0	52.6
54	51.7	40.2	60.2

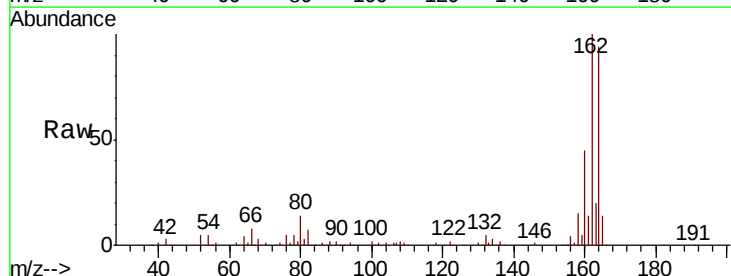


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

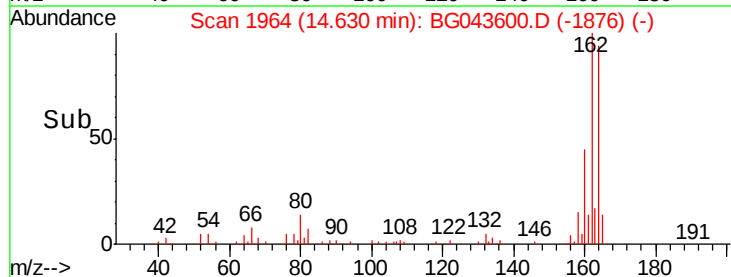
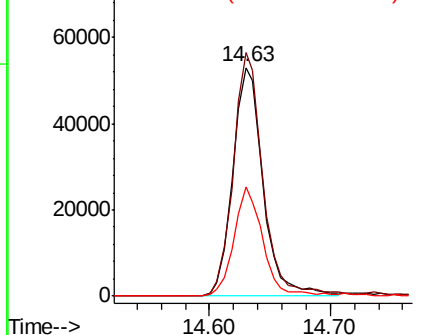


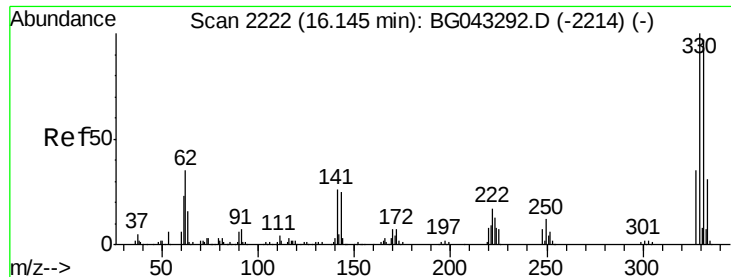
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Tgt Ion	164	Resp	92753
Ion Ratio	Lower	Upper	
164	100		
162	106.6	83.5	125.3
160	47.6	36.5	54.7



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

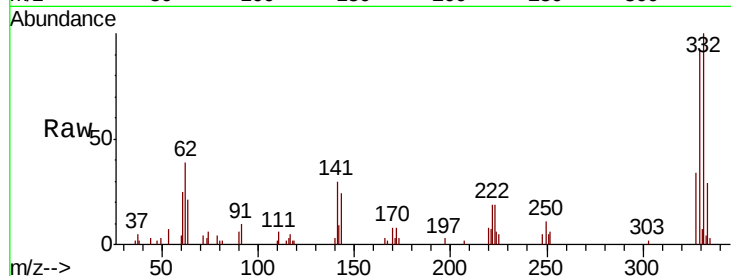




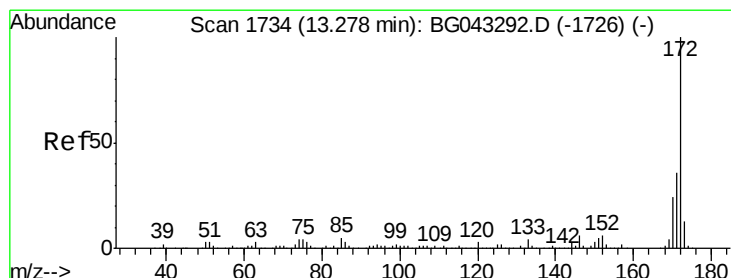
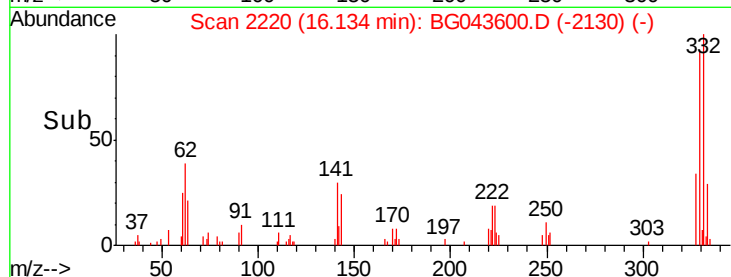
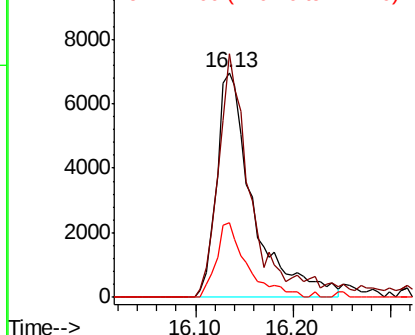
#42
 2,4,6-Tribromophenol
 Concen: 10.187 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 17981
 Ion Ratio Lower Upper
 330 100
 332 90.3 77.4 116.0
 141 28.1 22.8 34.2

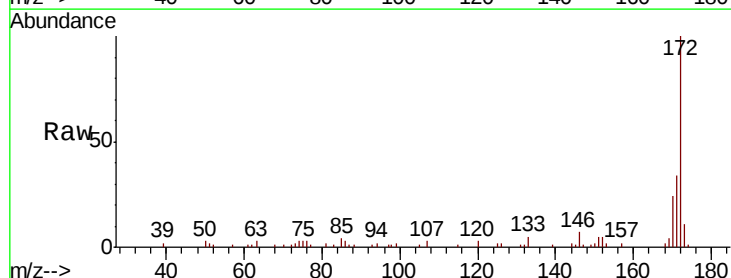


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

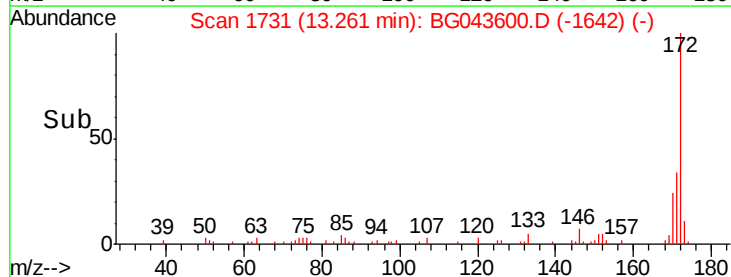
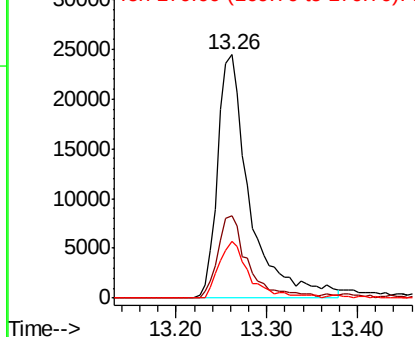


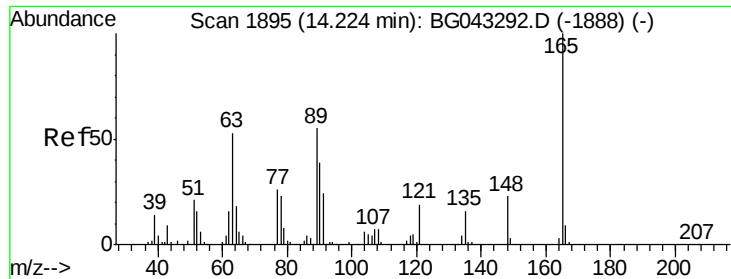
#45
 2-Fluorobiphenyl
 Concen: 8.900 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Tgt Ion:172 Resp: 59738
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.9 43.3
 170 23.6 18.5 27.7



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

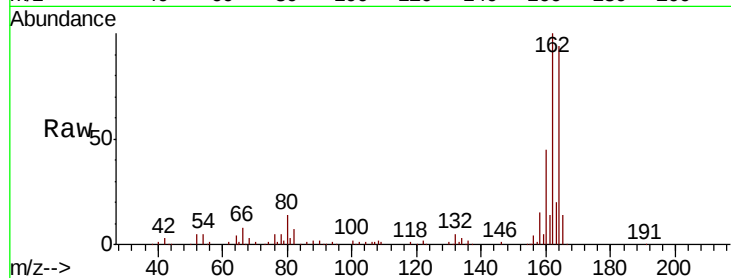




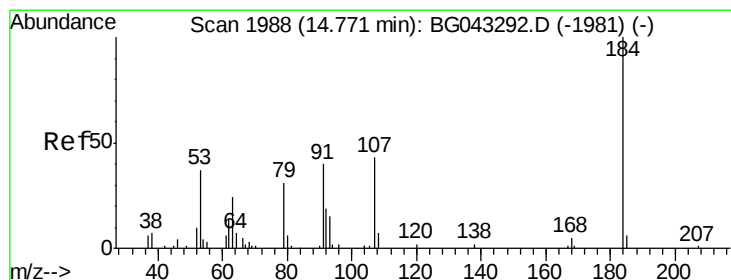
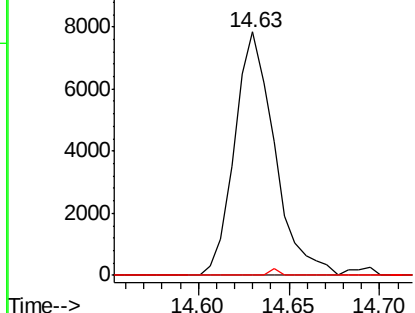
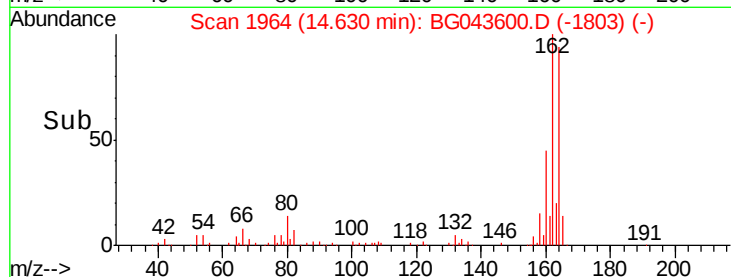
#51
 2,6-Dinitrotoluene
 Concen: 7.712 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.42 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.6	69.8#
89	0.0	45.1	67.7#

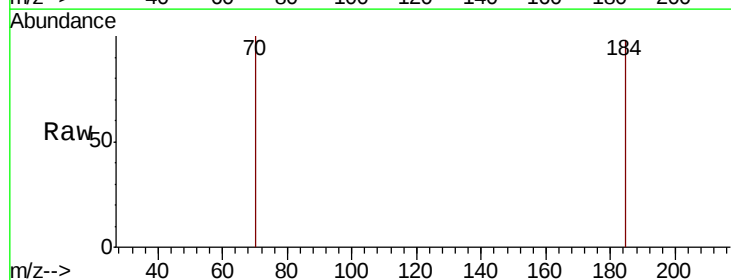


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

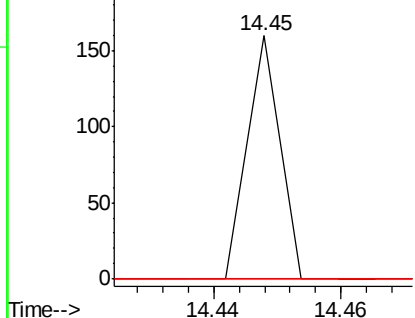
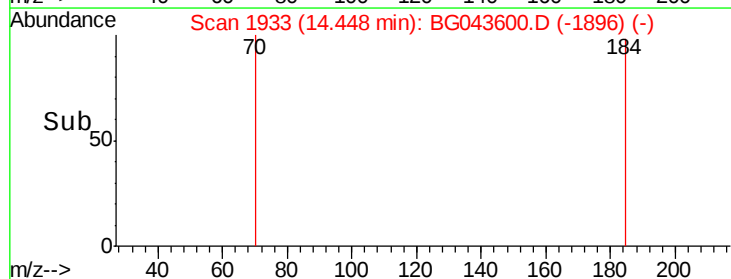


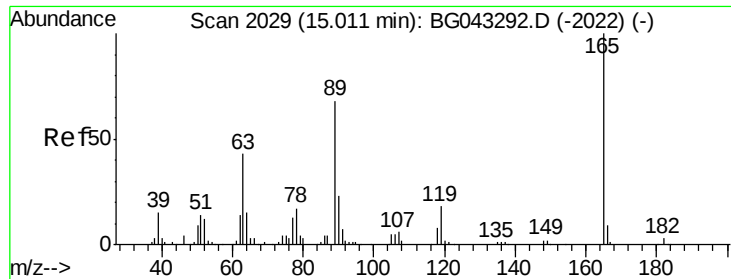
#54
 2,4-Dinitrophenol
 Concen: 7.335 ng
 RT: 14.45 min Scan# 1933
 Delta R.T. -0.31 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	51.3	76.9#
154	0.0	55.4	83.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 154.00 (153.70 to 154.70): E

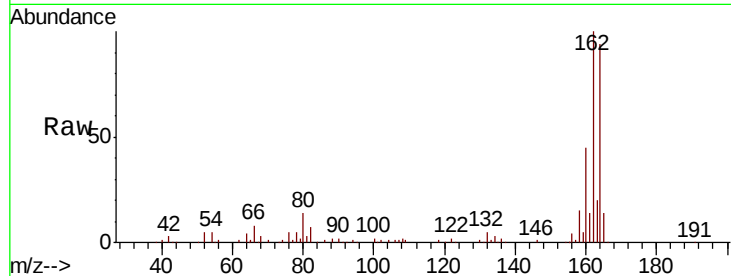




#57
 2,4-Dinitrotoluene
 Concen: 5.396 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#

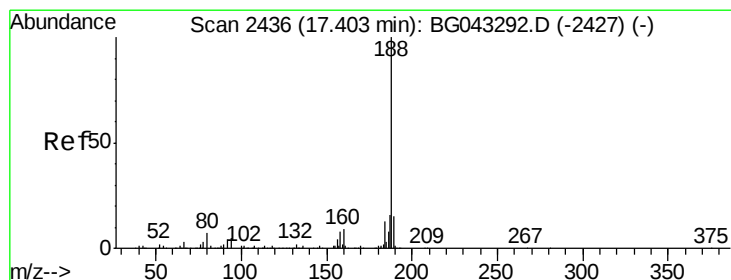
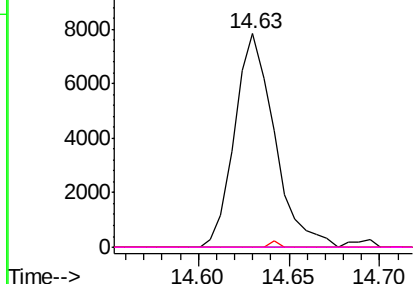
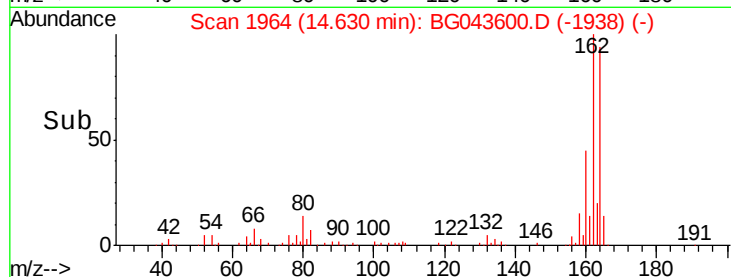


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

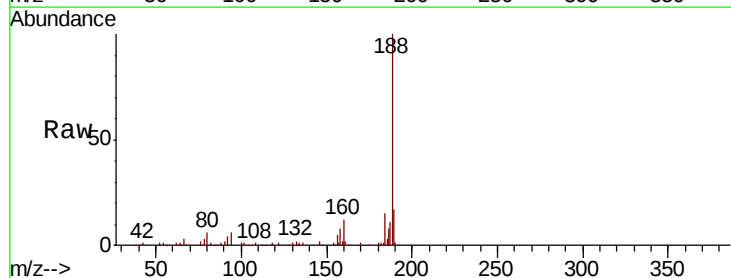
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BG043600.D
 Acq: 12 Nov 2019 1:48

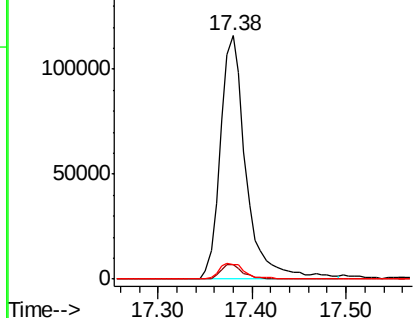
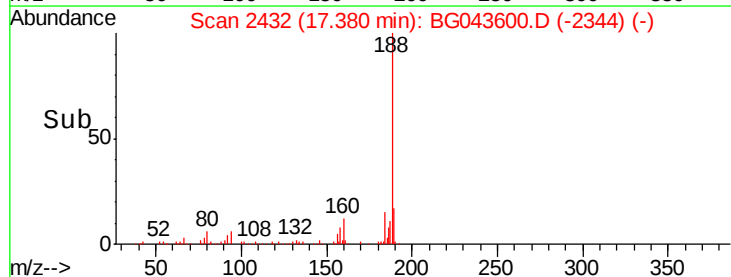
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.2	6.4
80	6.2	4.5	6.7

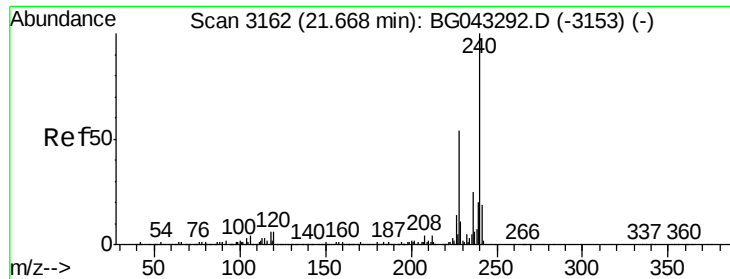


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

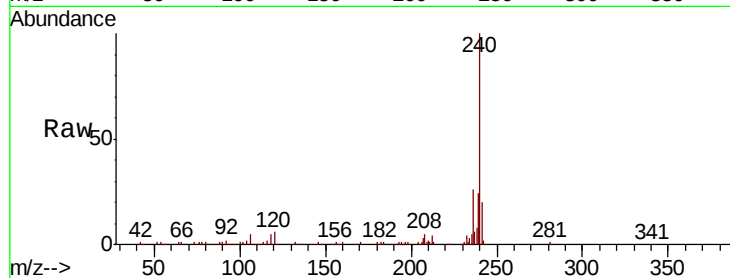




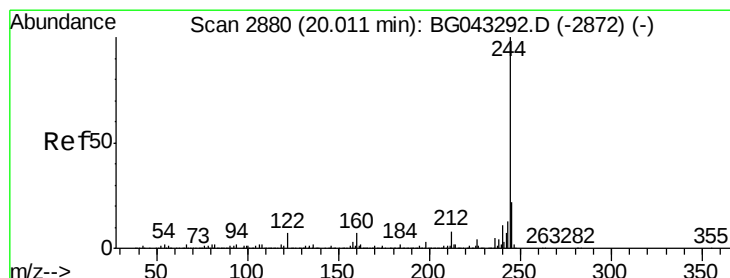
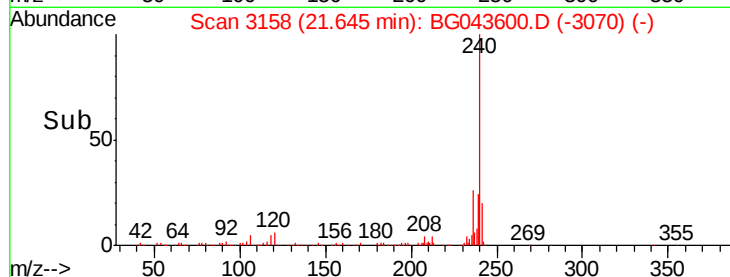
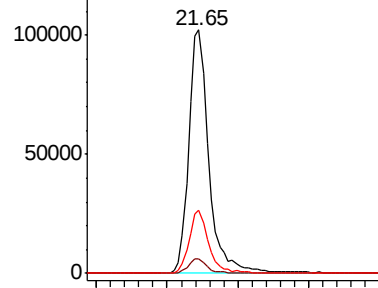
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043600.D
Acq: 12 Nov 2019 1:48

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.6	6.8
236	25.7	19.8	29.8

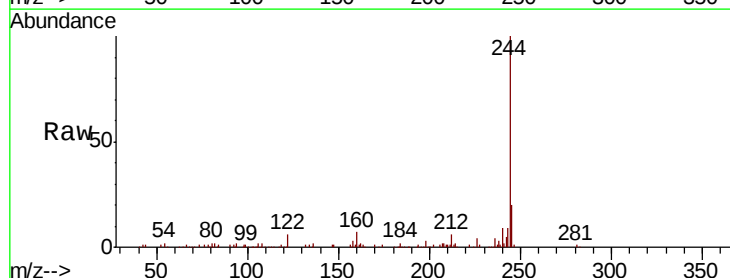


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

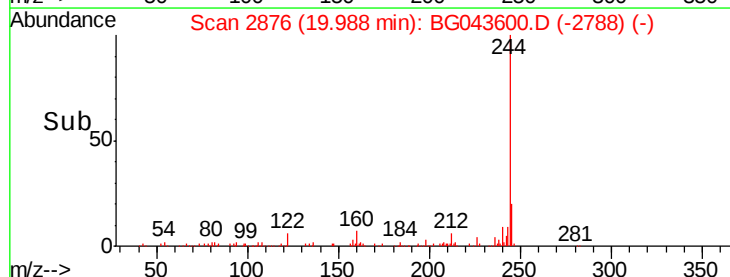
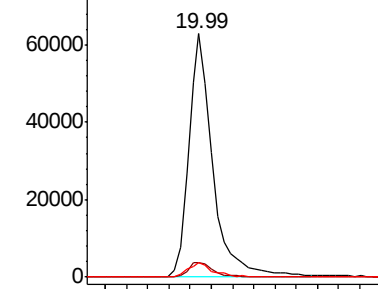


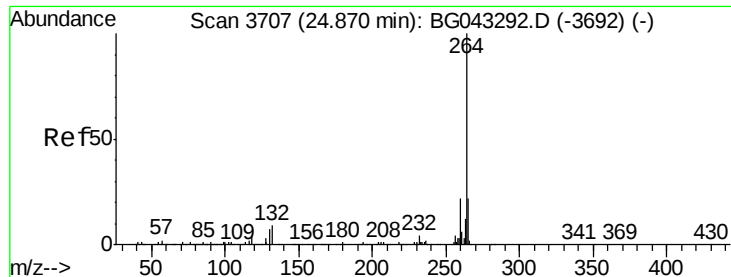
#79
Terphenyl-d14
Concen: 9.271 ng
RT: 19.99 min Scan# 2876
Delta R.T. -0.01 min
Lab File: BG043600.D
Acq: 12 Nov 2019 1:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.6
122	5.9	5.4	8.2



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: 24.82 min Scan# 3699
Delta R.T. -0.03 min
Lab File: BG043600.D
Acq: 12 Nov 2019 1:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.5	26.3
265	22.0	17.4	26.0

