

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043694.D
 Acq On : 19 Nov 2019 12:26
 Operator : JU
 Sample : PB124907BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 15:25:49 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

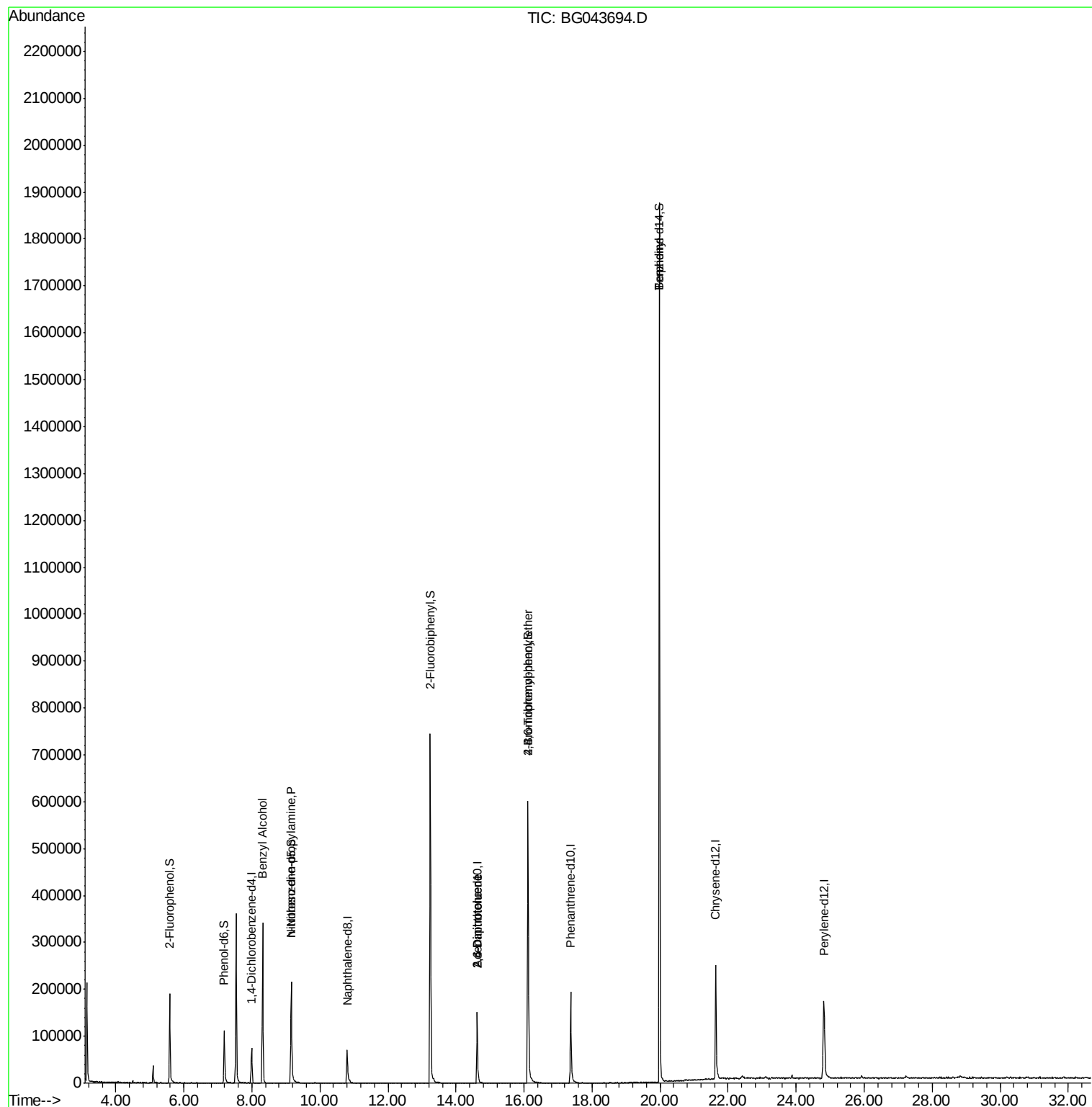
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	24361	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	88582	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	66486	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	172046	20.00	ng	-0.02
76) Chrysene-d12	21.63	240	196382	20.00	ng	-0.02
87) Perylene-d12	24.81	264	222981	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	93475	70.31	ng	-0.01
7) Phenol-d6	7.19	99	80939	42.32	ng	-0.01
23) Nitrobenzene-d5	9.15	82	156792	91.25	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	165569	130.86	ng	-0.02
45) 2-Fluorobiphenyl	13.24	172	464906	96.62	ng	-0.02
79) Terphenyl-d14	19.98	244	1085496	103.70	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.31	79	3083	2.295	ng	# 65
19) n-Nitroso-di-n-propylamine	9.15	70	22917	18.542	ng	# 75
51) 2,6-Dinitrotoluene	14.62	165	8715	7.790	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	8716	5.451	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	10342	4.467	ng	# 1
77) Benzidine	19.98	184	15597	3.946	ng	# 83

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

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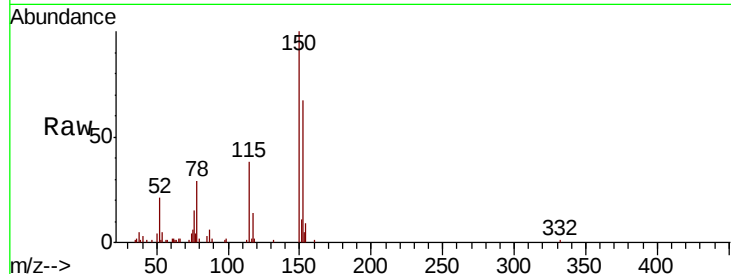


#1

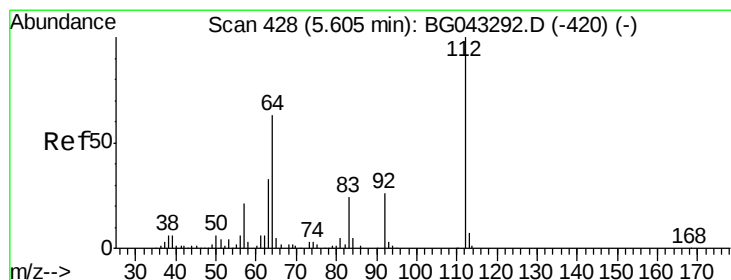
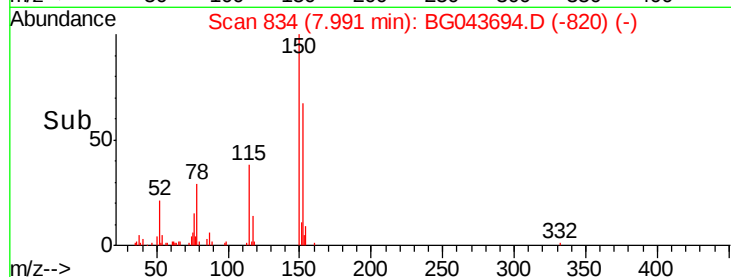
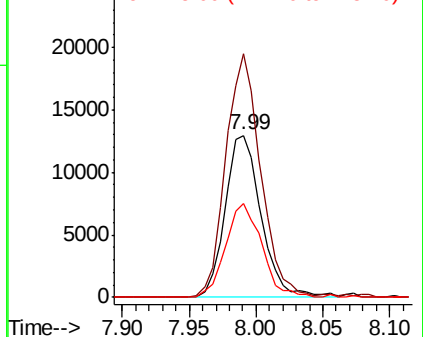
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.02 min
Lab File: BG043694.D
Acq: 19 Nov 2019 12:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24361
Ion Ratio Lower Upper
152 100
150 150.3 129.4 194.0
115 57.6 48.8 73.2



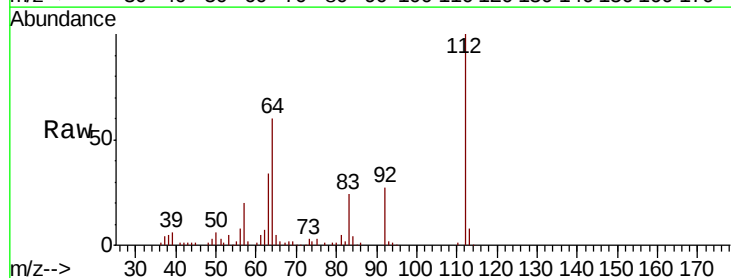
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



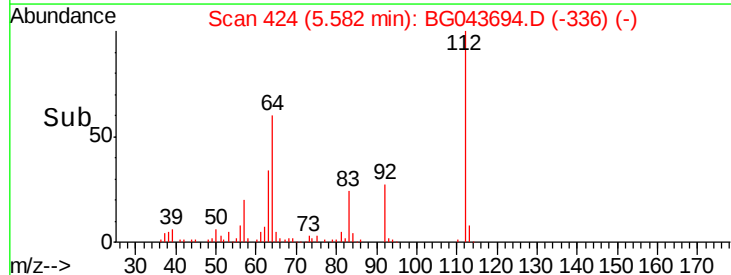
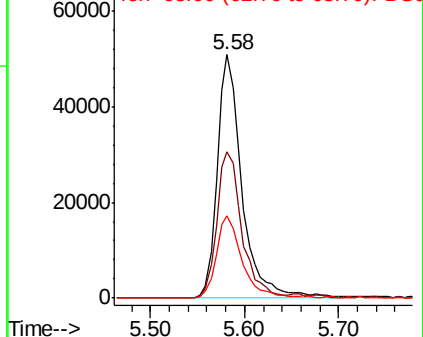
#5

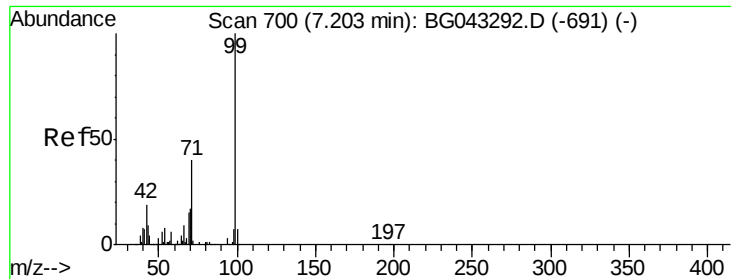
2-Fluorophenol
Concen: 70.312 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.01 min
Lab File: BG043694.D
Acq: 19 Nov 2019 12:26

Tgt Ion:112 Resp: 93475
Ion Ratio Lower Upper
112 100
64 60.3 50.0 75.0
63 34.1 26.6 40.0



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: 42.316 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

Instrument :

BNA_G

ClientSampleId :

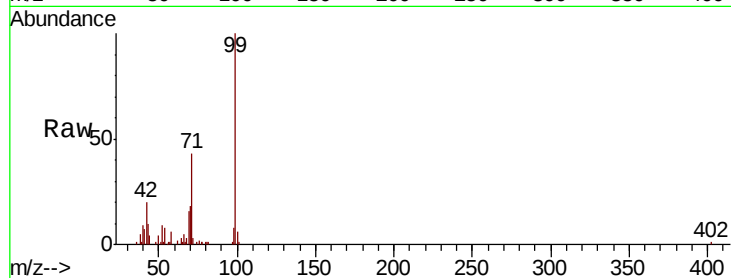
Tot Ion: 99 Resp: 80939

Ion Ratio Lower Upper

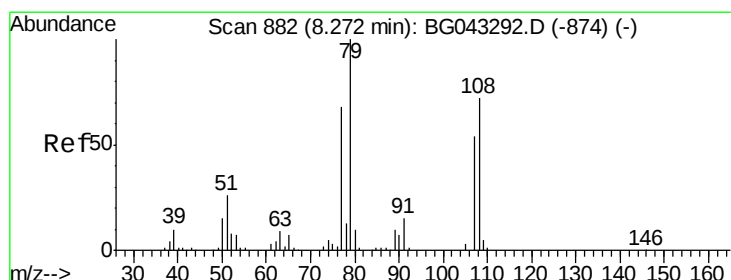
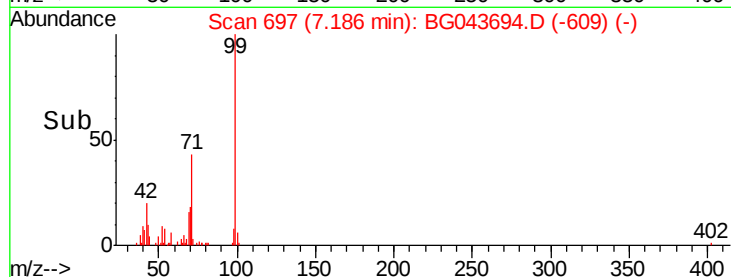
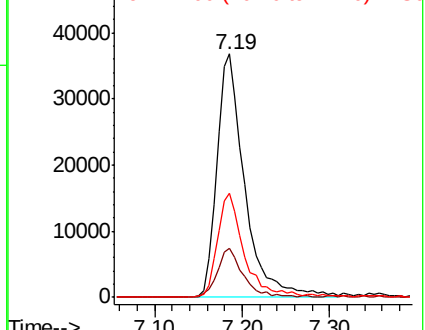
99 100

42 20.1 14.6 21.8

71 43.0 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



#15

Benzyl Alcohol

Concen: 2.295 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.06 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

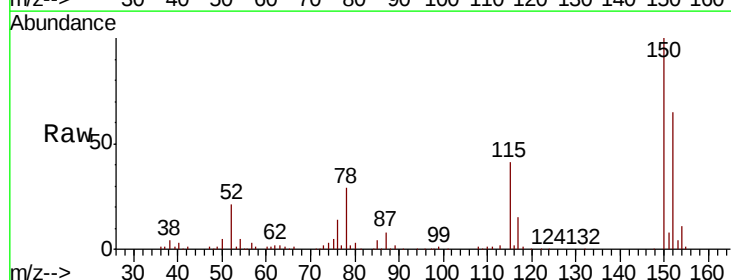
Tgt Ion: 79 Resp: 3083

Ion Ratio Lower Upper

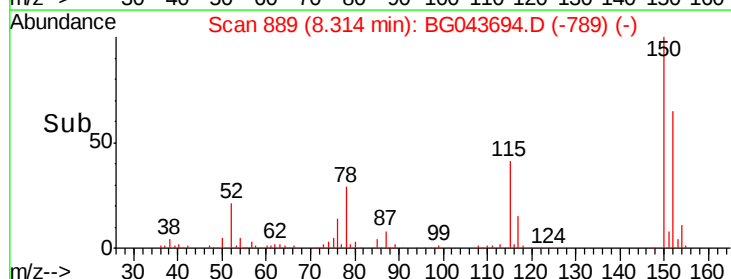
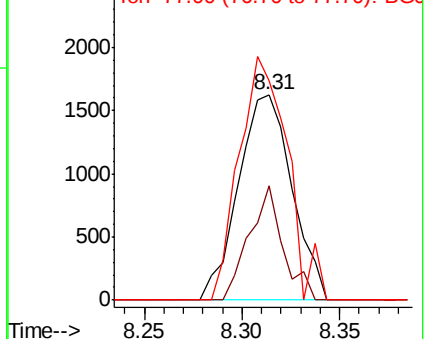
79 100

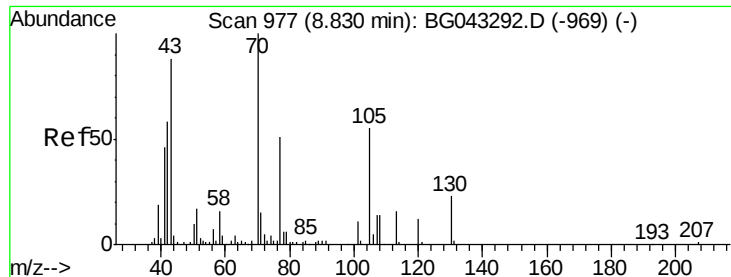
108 55.6 53.6 80.4

77 106.8 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

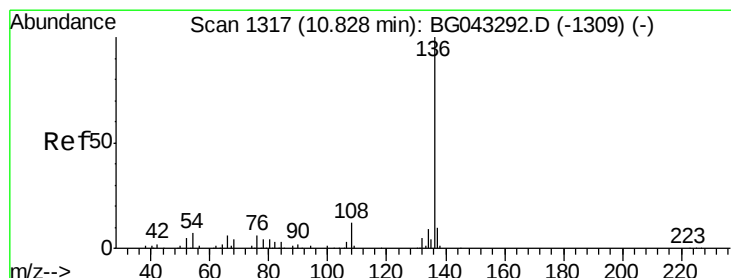
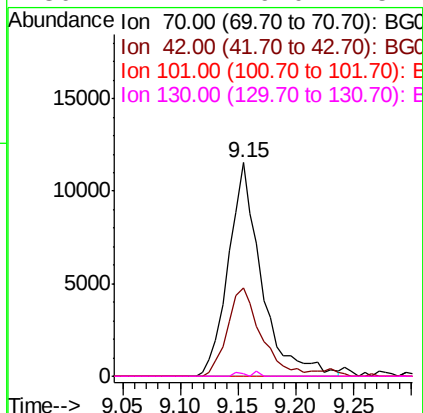
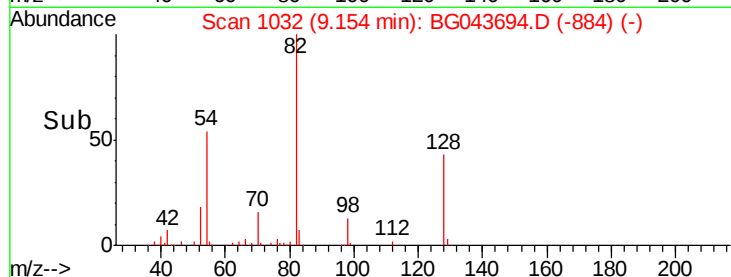
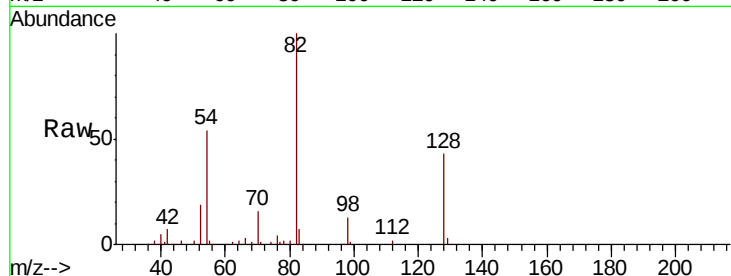




#19
n-Nitroso-di-n-propylamine
Concen: 18.542 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.34 min
Lab File: BG043694.D
Acq: 19 Nov 2019 12:26

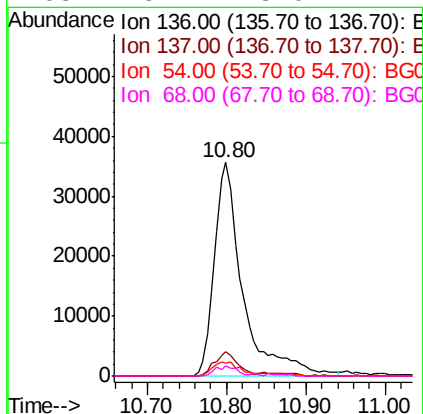
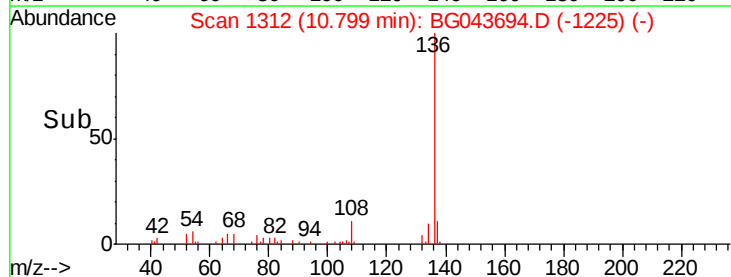
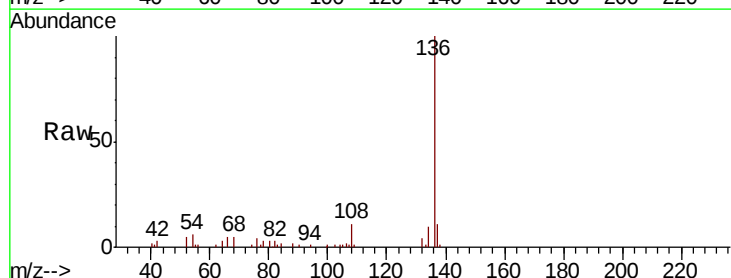
Instrument :
BNA_G
ClientSampleId :

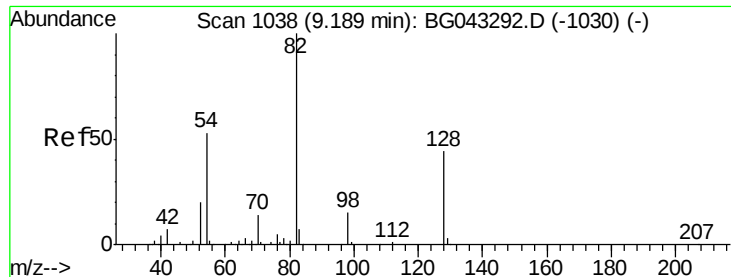
Tot Ion: 70 Resp: 22917
Ion Ratio Lower Upper
70 100
42 41.5 41.4 62.2
101 0.0 7.9 11.9#
130 1.4 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BG043694.D
Acq: 19 Nov 2019 12:26

Tgt Ion: 136 Resp: 88582
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 6.2 5.4 8.2
68 5.1 3.0 4.4#

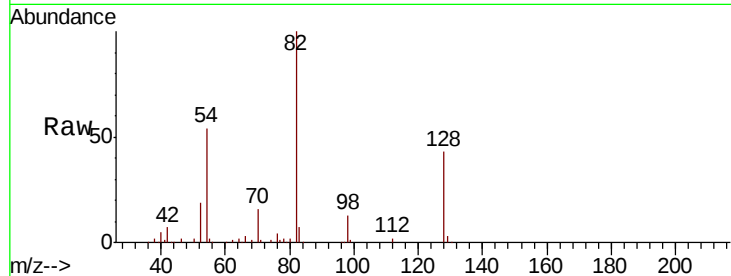




#23
Nitrobenzene-d5
Concen: 91.253 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BG043694.D
Acq: 19 Nov 2019 12:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	156792
Ion Ratio	Lower	Upper	
82	100		
128	42.8	35.0	52.6
54	53.6	40.2	60.2

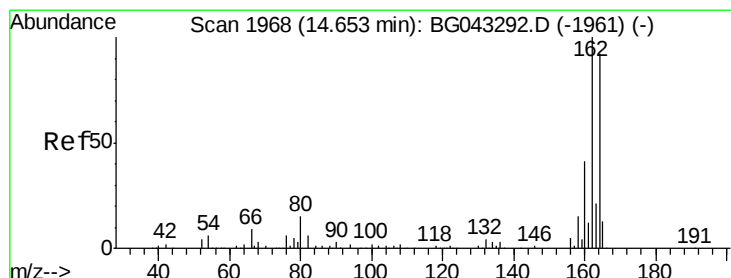
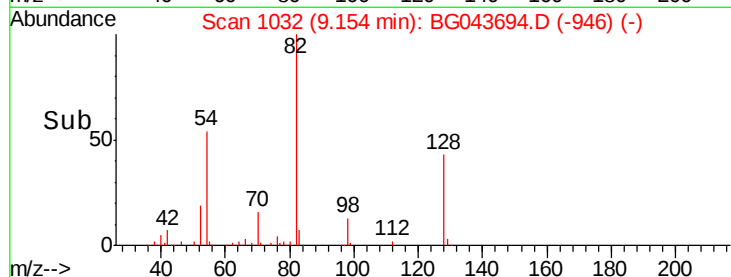
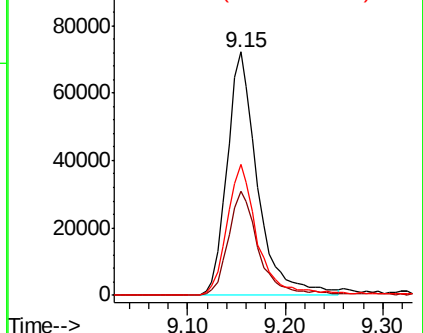


Abundance

Ion 82.00 (81.70 to 82.70): BGC

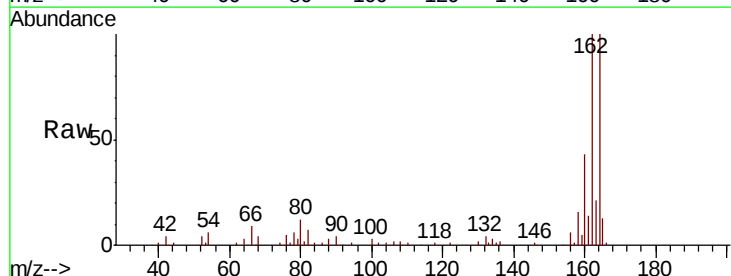
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043694.D
Acq: 19 Nov 2019 12:26

Tgt Ion	164	Resp	66486
Ion Ratio	Lower	Upper	
164	100		
162	100.1	83.5	125.3
160	43.2	36.5	54.7

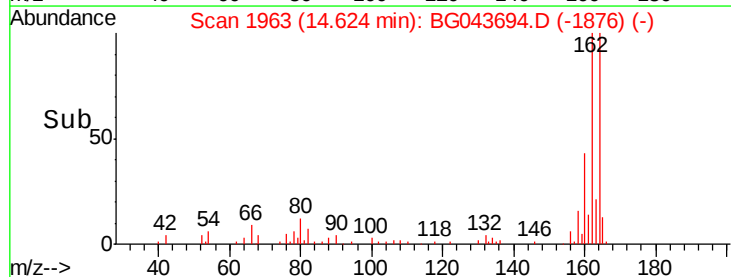
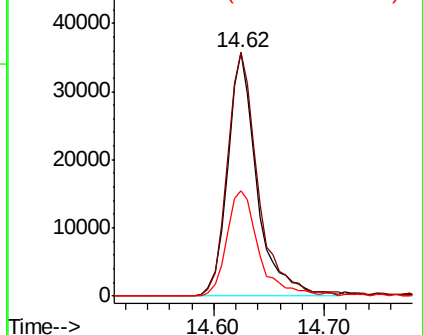


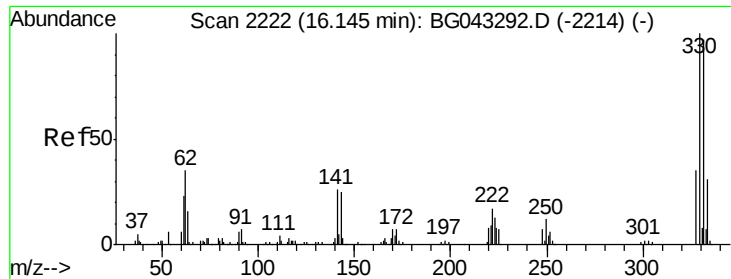
Abundance

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

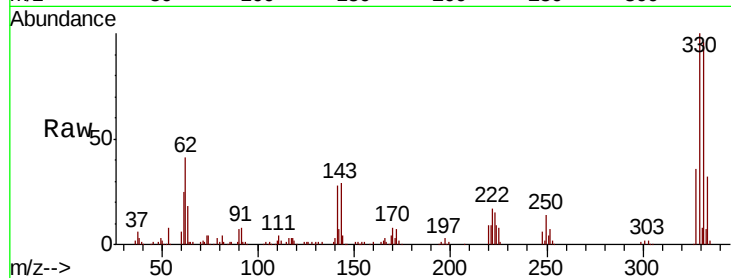




#42
 2,4,6-Tribromophenol
 Concen: 130.861 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BG043694.D
 Acq: 19 Nov 2019 12:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	Resp	165569
Ion Ratio	100	Lower	Upper
330	100		
332	98.1	77.4	116.0
141	28.6	22.8	34.2

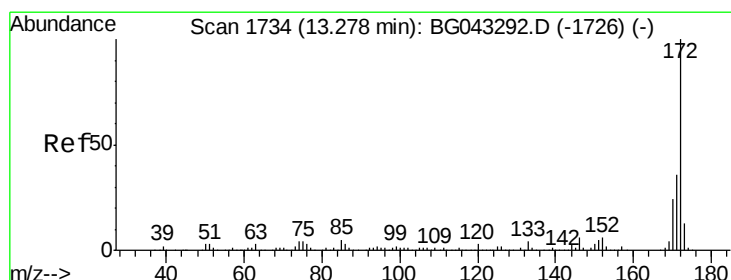
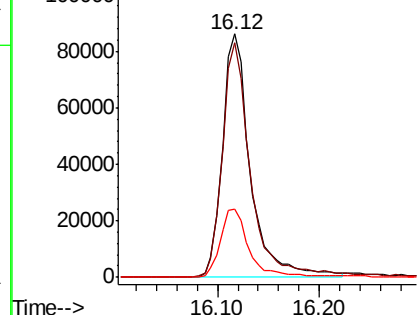
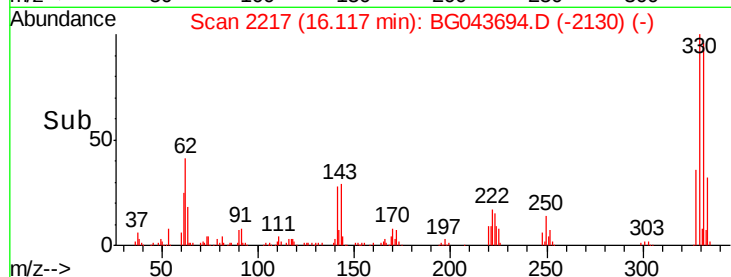


Abundance

Ion 329.80 (329.50 to 330.50): E

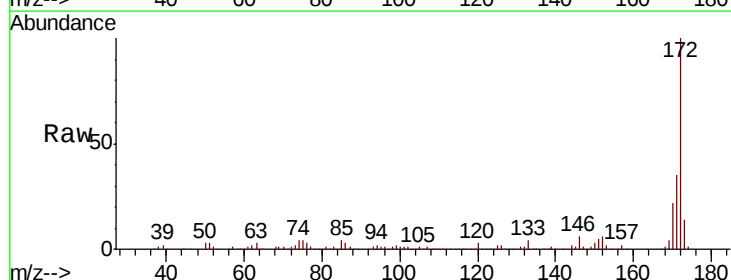
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 96.623 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.02 min
 Lab File: BG043694.D
 Acq: 19 Nov 2019 12:26

Tgt Ion	172	Resp	464906
Ion Ratio	100	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	22.4	18.5	27.7

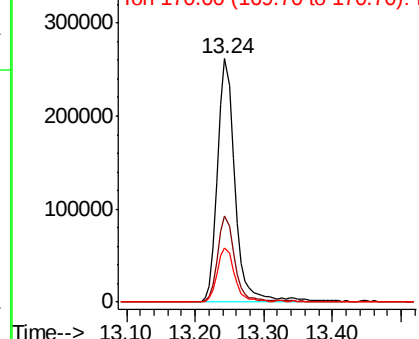
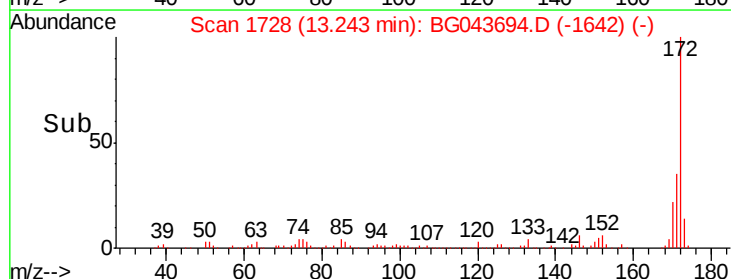


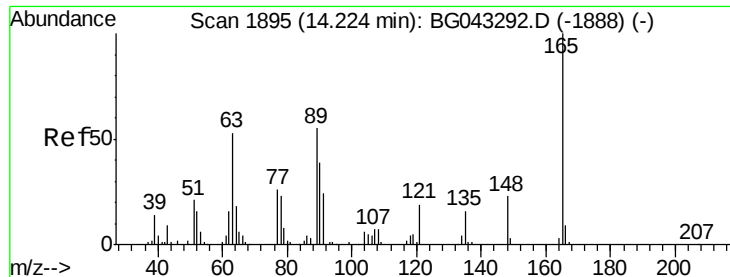
Abundance

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

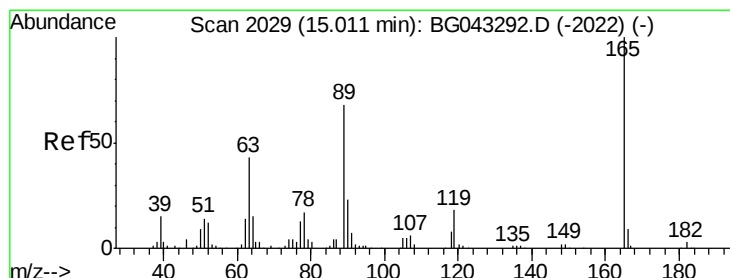
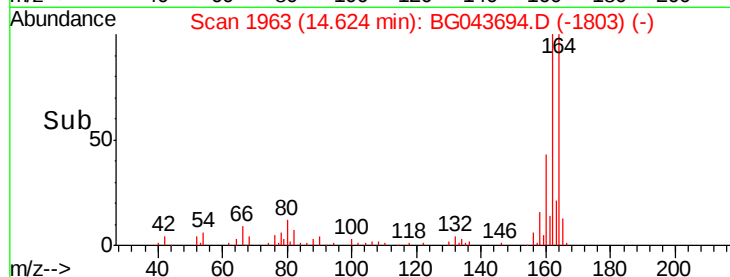
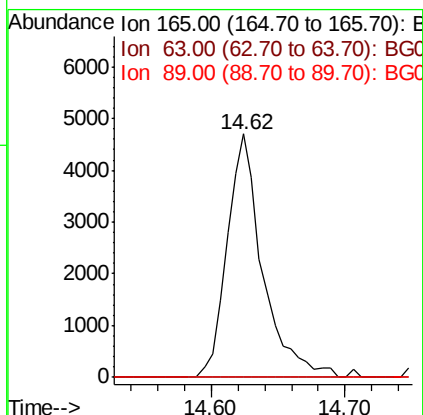
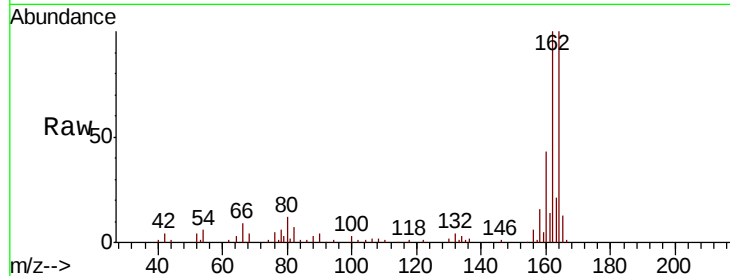




#51
 2,6-Dinitrotoluene
 Concen: 7.790 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.41 min
 Lab File: BG043694.D
 Acq: 19 Nov 2019 12:26

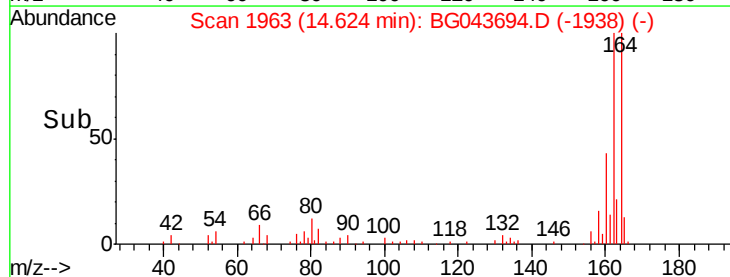
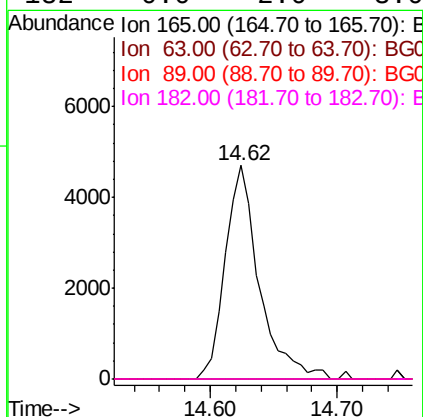
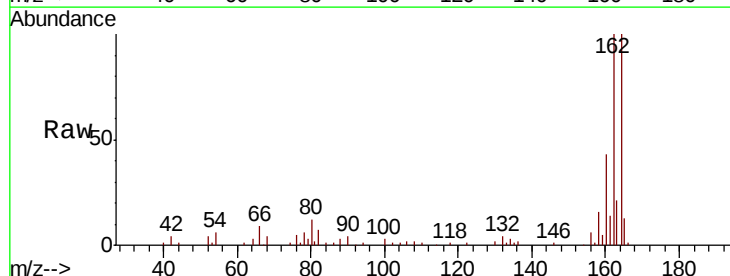
Instrument :
 BNA_G
 ClientSampleId :

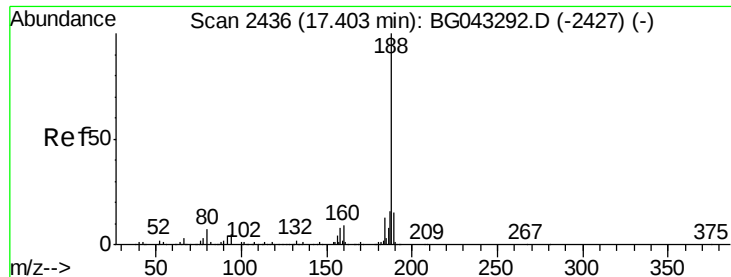
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.6	69.8#
89	0.0	45.1	67.7#



#57
 2,4-Dinitrotoluene
 Concen: 5.451 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.38 min
 Lab File: BG043694.D
 Acq: 19 Nov 2019 12:26

Tgt 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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

Instrument :

BNA_G

ClientSampled :

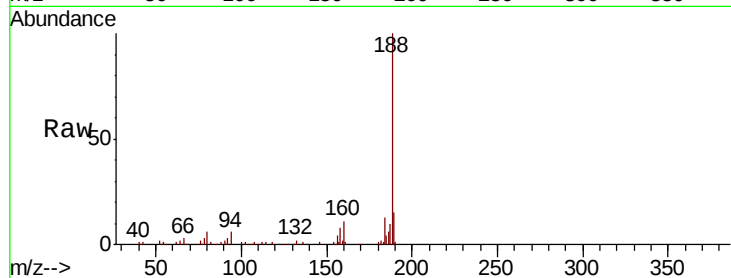
Tot Ion:188 Resp: 172046

Ion Ratio Lower Upper

188 100

94 6.2 4.2 6.4

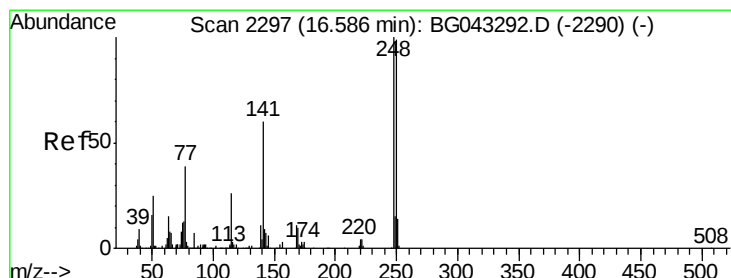
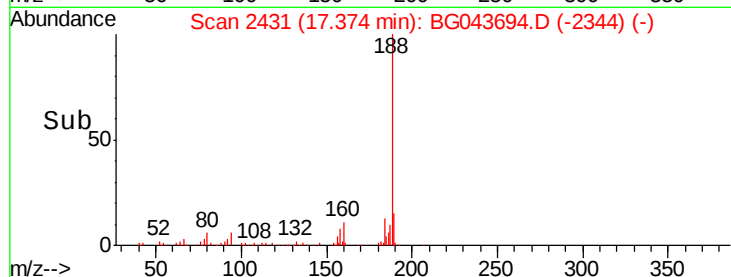
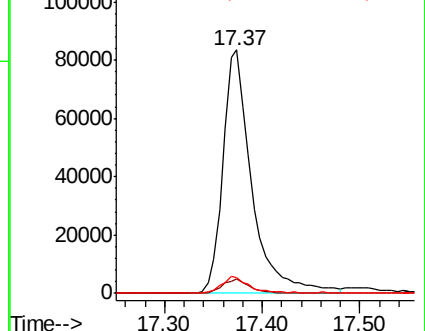
80 6.4 4.5 6.7



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: 4.467 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

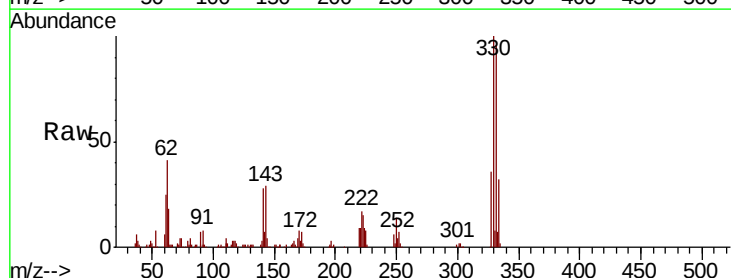
Tgt Ion:248 Resp: 10342

Ion Ratio Lower Upper

248 100

250 219.3 77.0 115.4#

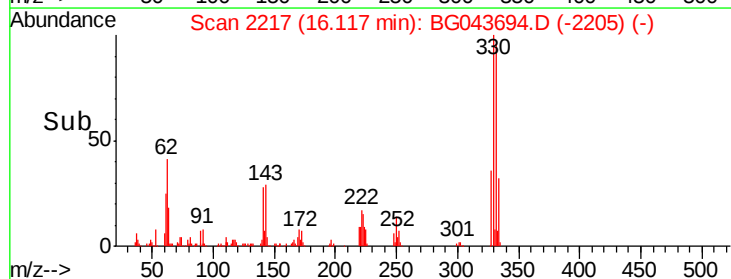
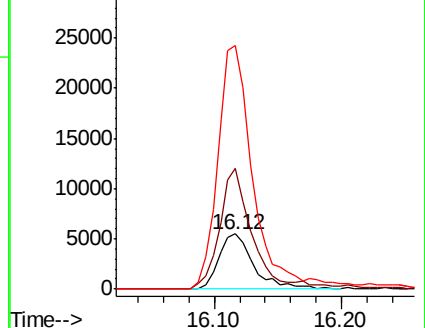
141 440.6 47.5 71.3#

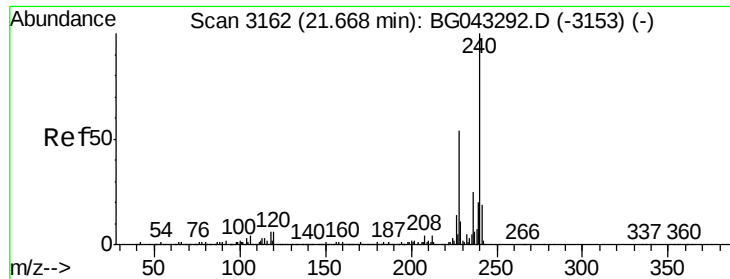


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.63 min Scan# 3156

Delta R.T. -0.02 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

Instrument :

BNA_G

ClientSampleId :

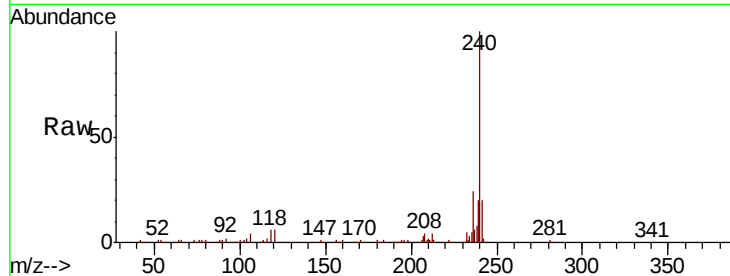
Tot Ion:240 Resp: 196382

Ion Ratio Lower Upper

240 100

120 5.8 4.6 6.8

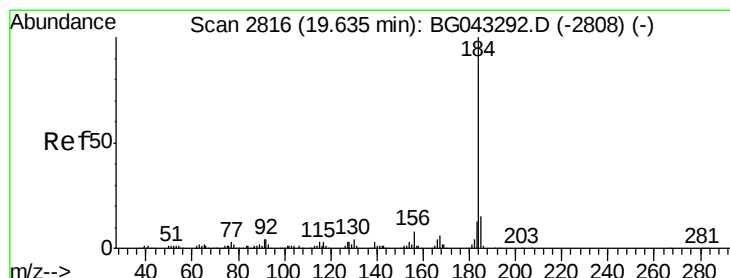
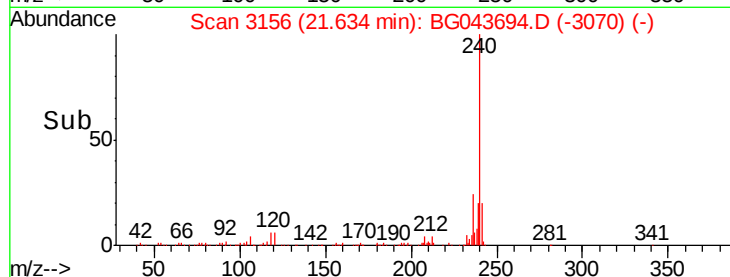
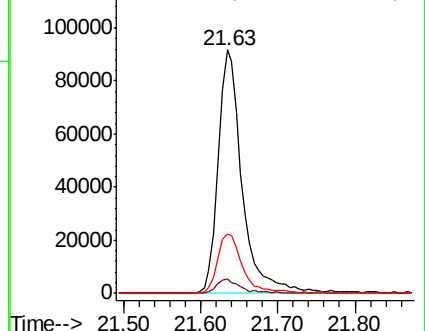
236 24.5 19.8 29.8



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



#77

Benzidine

Concen: 3.946 ng

RT: 19.98 min Scan# 2874

Delta R.T. 0.35 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

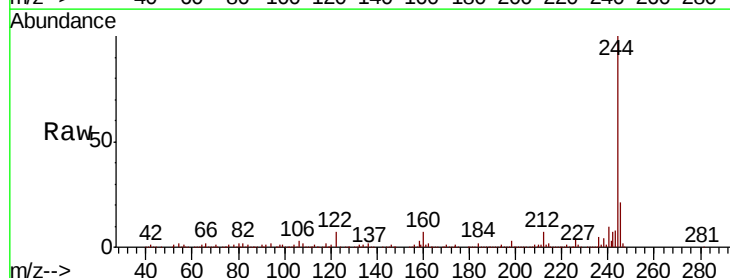
Tgt Ion:184 Resp: 15597

Ion Ratio Lower Upper

184 100

185 15.2 11.0 16.4

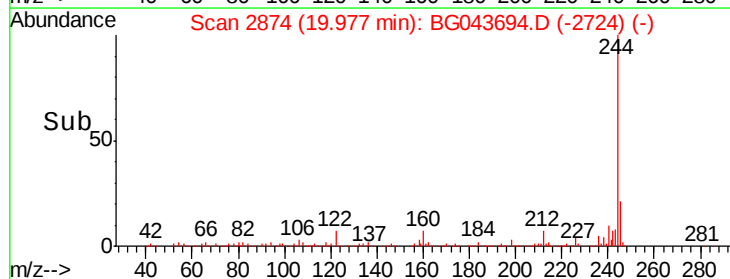
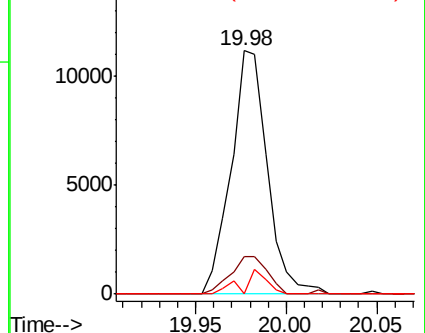
183 0.0 10.0 15.0#

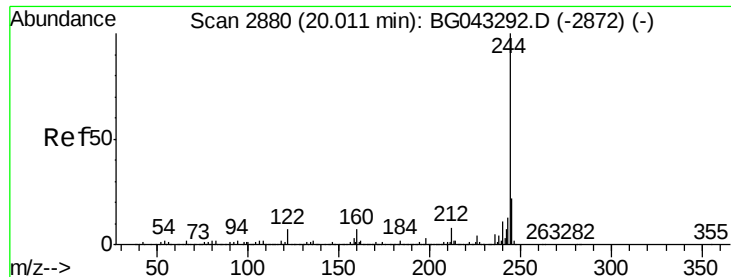


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 103.699 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

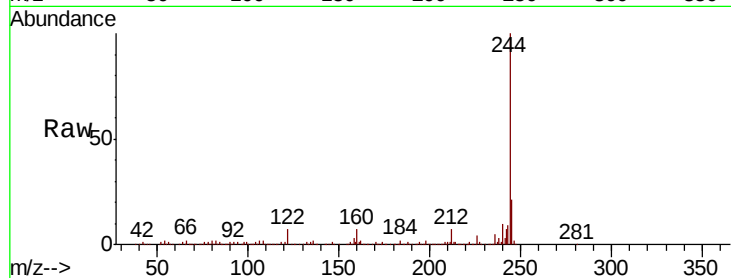
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1085496

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	6.6	5.4	8.2

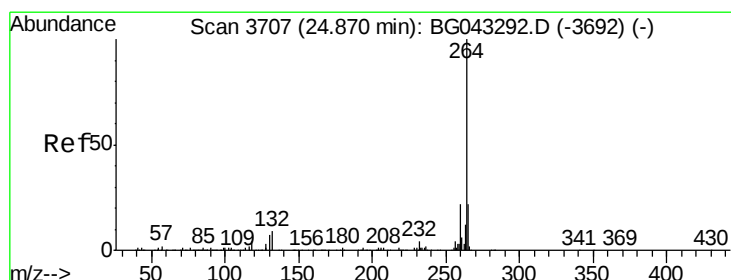
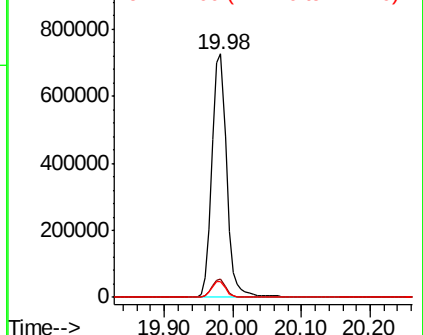
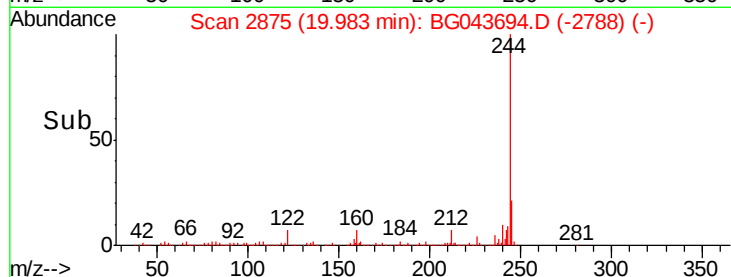


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3697

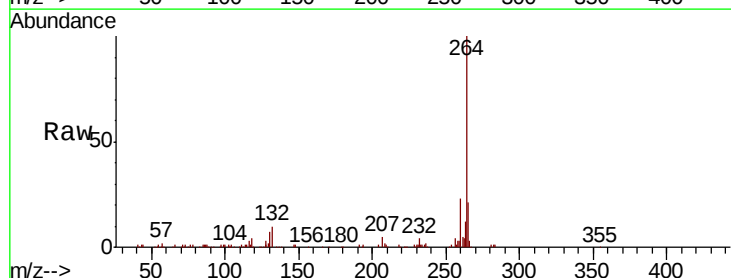
Delta R.T. -0.04 min

Lab File: BG043694.D

Acq: 19 Nov 2019 12:26

Tgt Ion:264 Resp: 222981

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.5	26.3
265	21.3	17.4	26.0



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

