

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043714.D
 Acq On : 20 Nov 2019 2:43
 Operator : JU
 Sample : PB124943TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 20 03:56:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

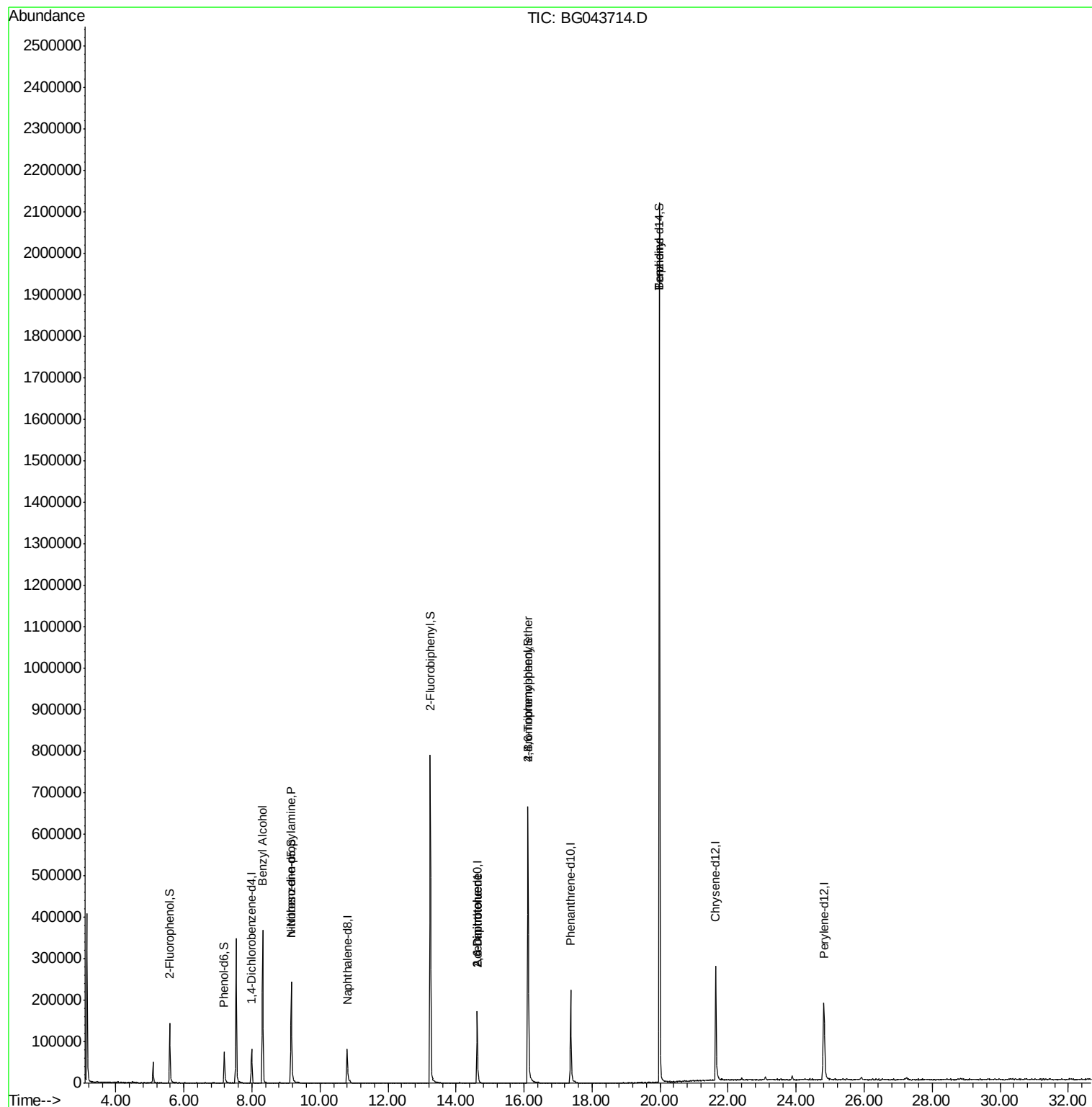
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	24666	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	95451	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	75816	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	193701	20.00	ng	0.00
76) Chrysene-d12	21.63	240	215026	20.00	ng	0.00
87) Perylene-d12	24.82	264	246905	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	70864	52.65	ng	0.00
7) Phenol-d6	7.18	99	54699	28.24	ng	0.00
23) Nitrobenzene-d5	9.15	82	171545	92.65	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	177522	123.04	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	481722	87.80	ng	0.00
79) Terphenyl-d14	19.98	244	1166553	101.78	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.31	79	3188	2.344	ng	# 65
19) n-Nitroso-di-n-propylamine	9.15	70	23634	18.885	ng	# 71
51) 2,6-Dinitrotoluene	14.62	165	10305	8.077	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	10305	5.652	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	11954	4.586	ng	# 1
77) Benzidine	19.98	184	17848	4.124	ng	# 95

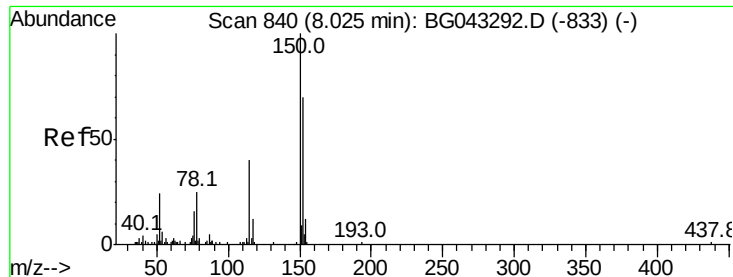
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 22 Sample Multiplier: 1

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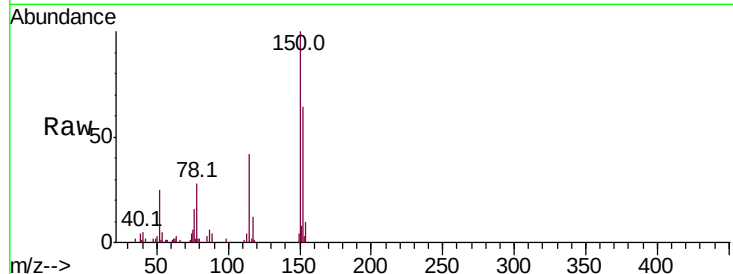


#1

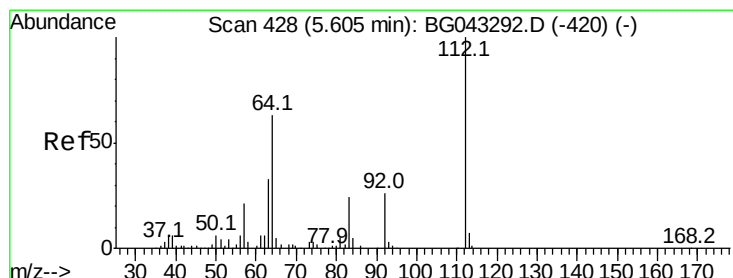
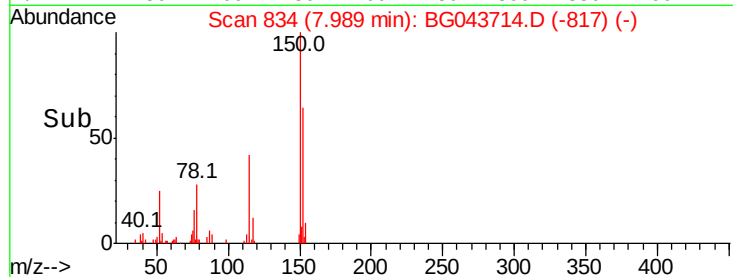
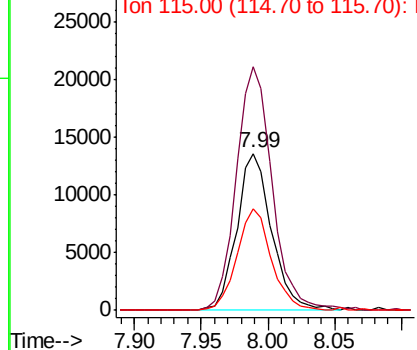
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24666
Ion Ratio Lower Upper
152 100
150 155.1 116.6 175.0
115 64.6 40.5 60.7#



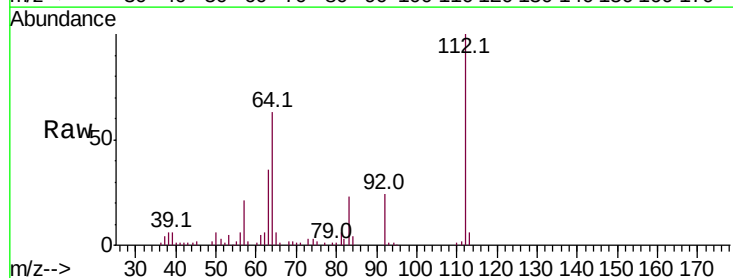
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



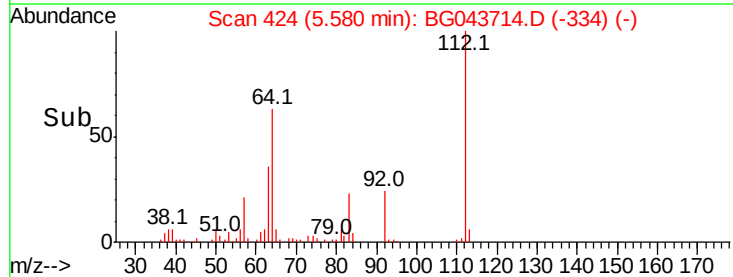
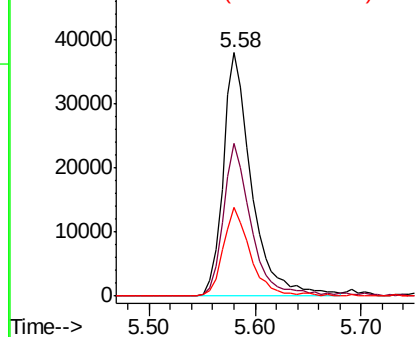
#5

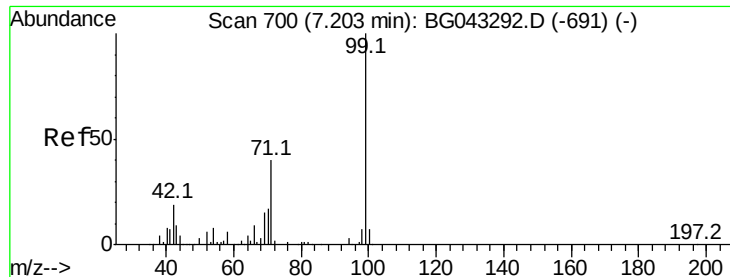
2-Fluorophenol
Concen: 52.645 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Tgt Ion:112 Resp: 70864
Ion Ratio Lower Upper
112 100
64 62.8 50.6 75.8
63 36.4 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 28.244 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043714.D

Acq: 20 Nov 2019 2:43

Instrument :

BNA_G

ClientSampleId :

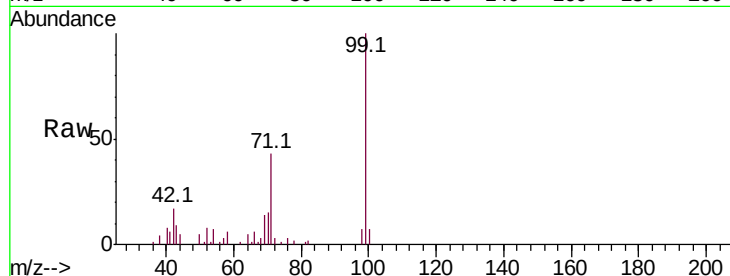
Tot Ion: 99 Resp: 54699

Ion Ratio Lower Upper

99 100

42 17.4 15.8 23.8

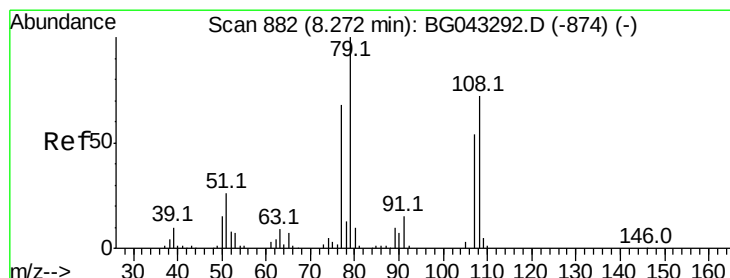
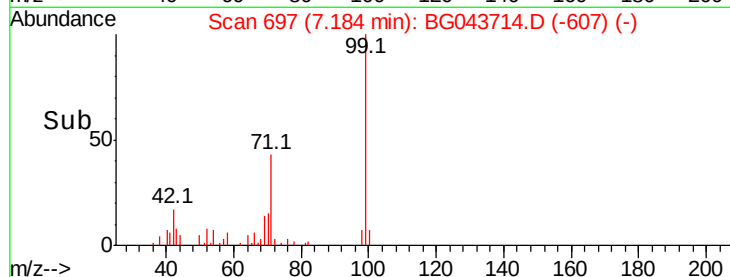
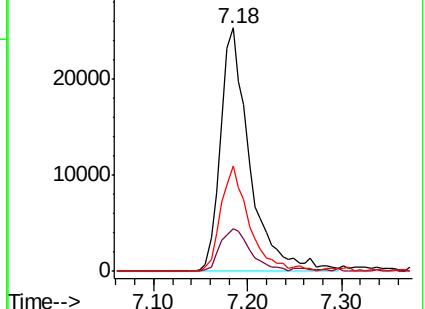
71 43.0 34.4 51.6



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: 2.344 ng

RT: 8.31 min Scan# 888

Delta R.T. 0.07 min

Lab File: BG043714.D

Acq: 20 Nov 2019 2:43

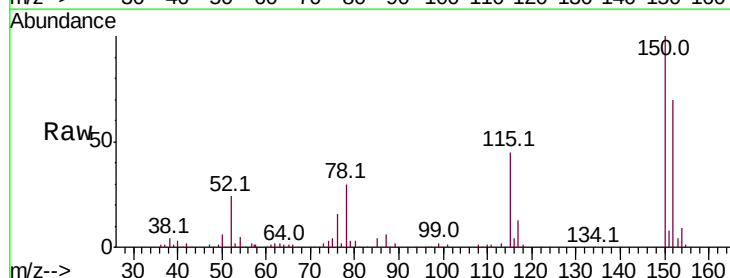
Tgt Ion: 79 Resp: 3188

Ion Ratio Lower Upper

79 100

108 36.5 56.0 84.0#

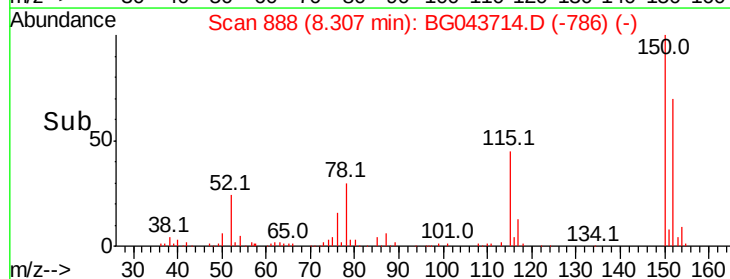
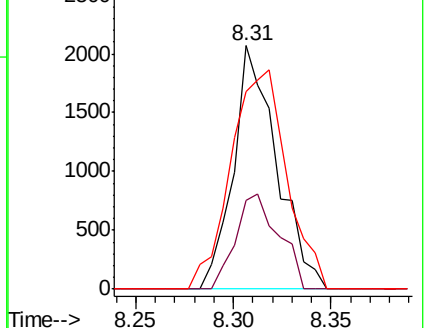
77 81.0 47.9 71.9#

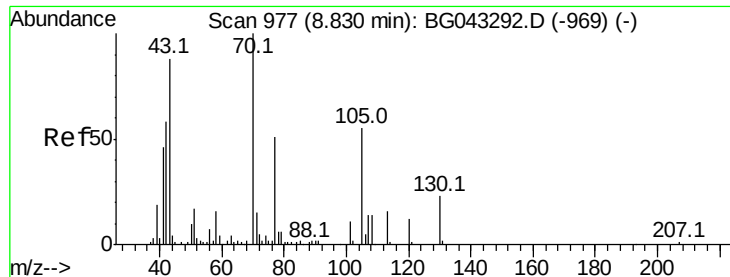


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

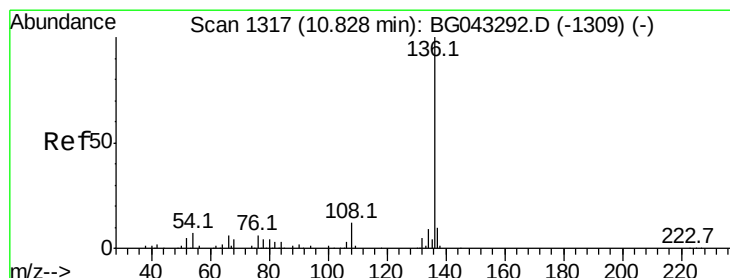
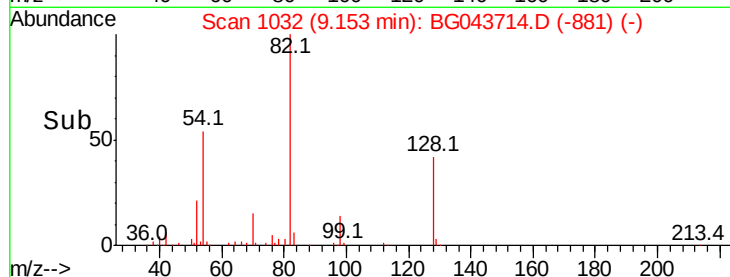
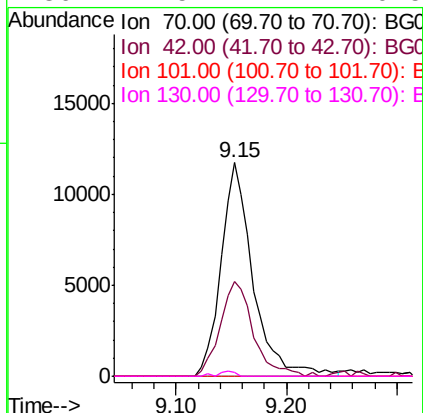
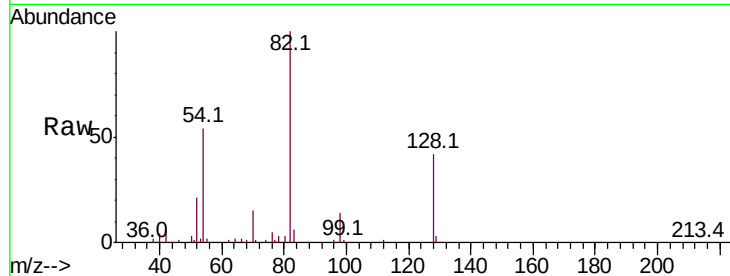




#19
n-Nitroso-di-n-propylamine
Concen: 18.885 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.36 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

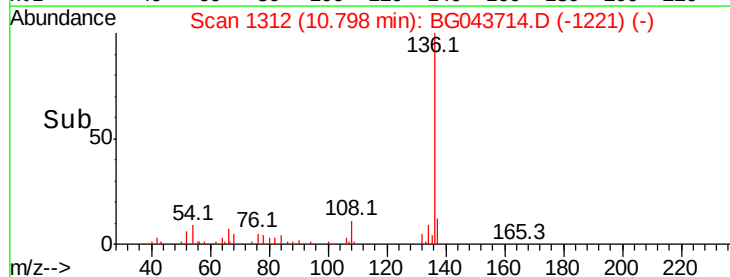
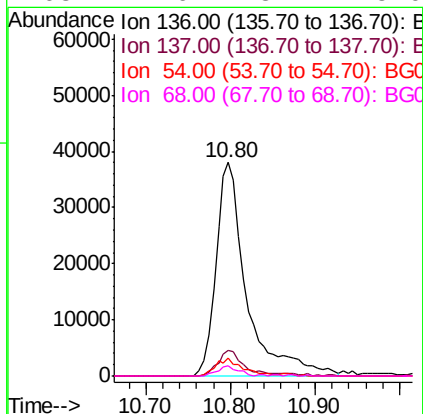
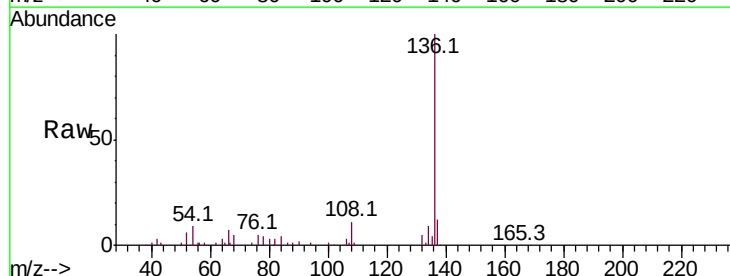
Instrument :
BNA_G
ClientSampleId :

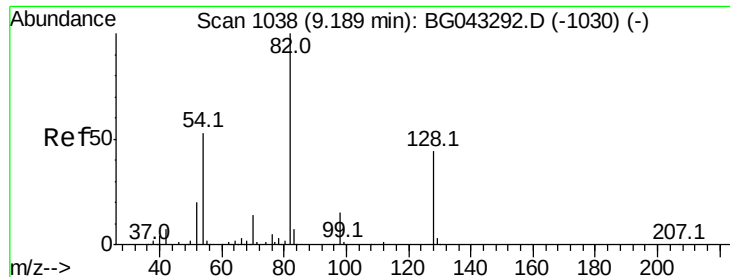
Tot Ion: 70 Resp: 23634
Ion Ratio Lower Upper
70 100
42 44.4 49.7 74.5#
101 0.0 9.7 14.5#
130 1.5 17.7 26.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Tgt Ion: 136 Resp: 95451
Ion Ratio Lower Upper
136 100
137 12.1 8.8 13.2
54 8.7 6.2 9.2
68 4.6 3.4 5.0

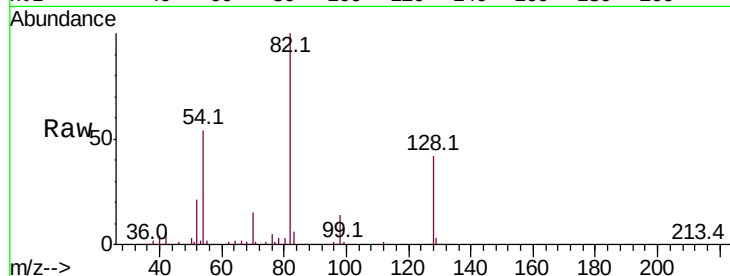




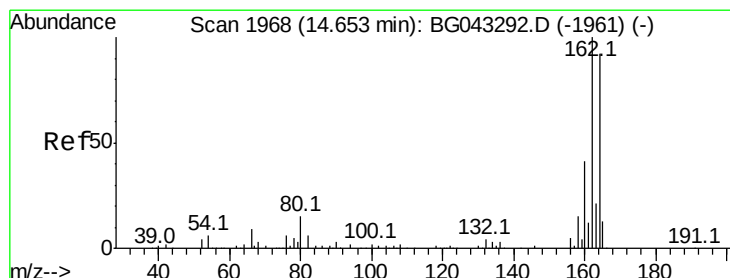
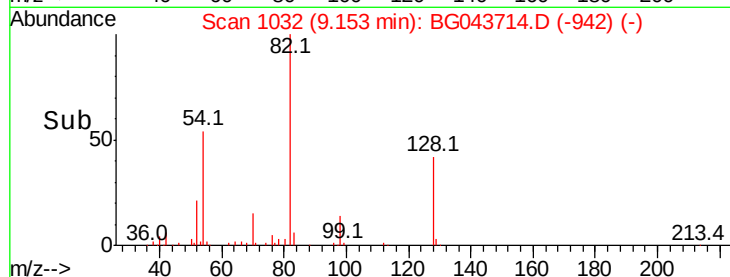
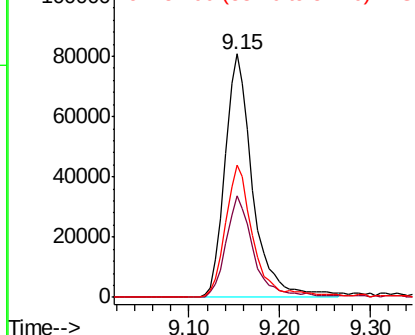
#23
Nitrobenzene-d5
Concen: 92.654 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 171545
Ion Ratio Lower Upper
82 100
128 41.8 34.2 51.4
54 54.1 44.7 67.1

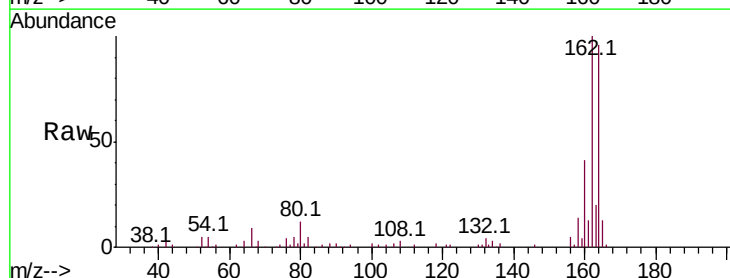


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

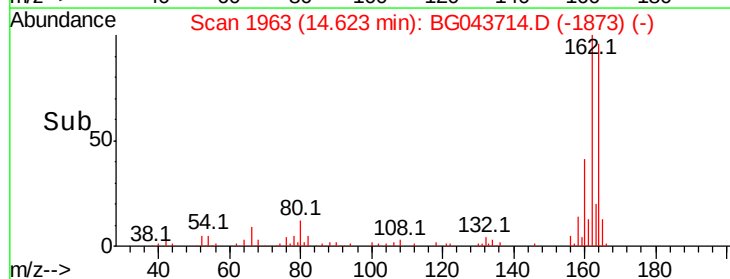
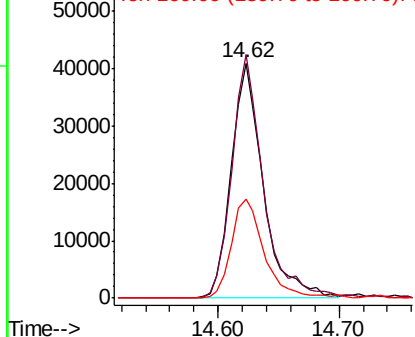


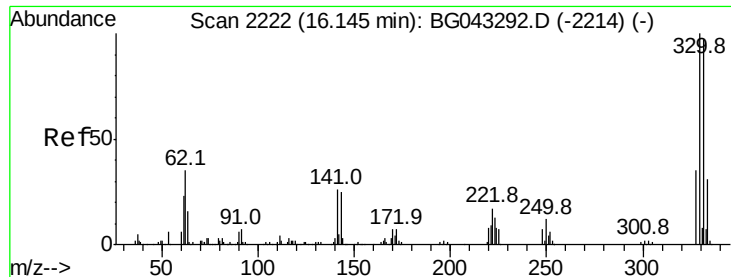
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Tgt Ion:164 Resp: 75816
Ion Ratio Lower Upper
164 100
162 103.7 79.4 119.2
160 42.4 36.3 54.5



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

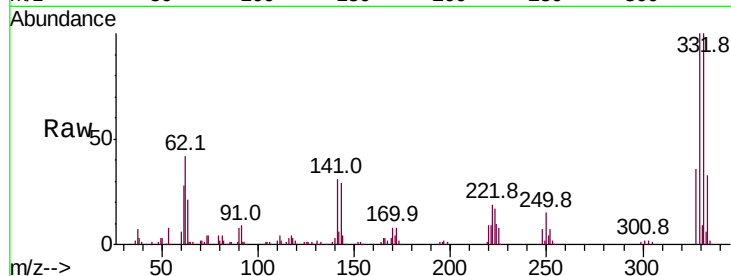




#42
 2,4,6-Tribromophenol
 Concen: 123.042 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: BG043714.D
 Acq: 20 Nov 2019 2:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	28.6	23.4	35.2

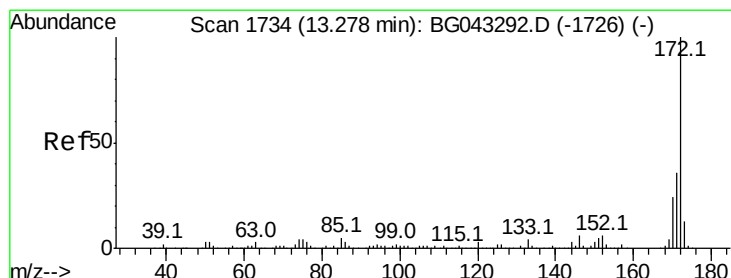
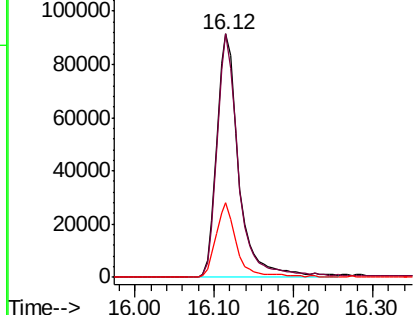
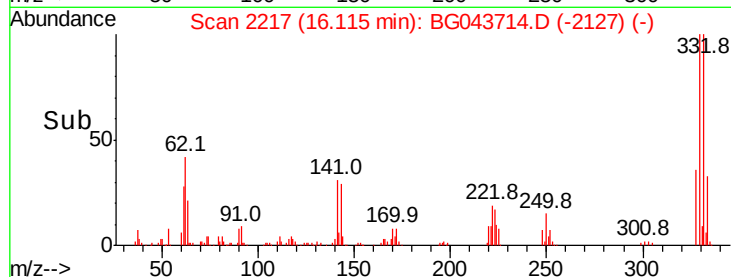


Abundance

Ion 329.80 (329.50 to 330.50): E

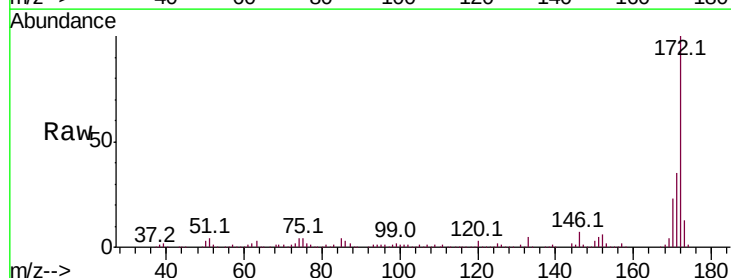
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.797 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043714.D
 Acq: 20 Nov 2019 2:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	22.7	18.8	28.2

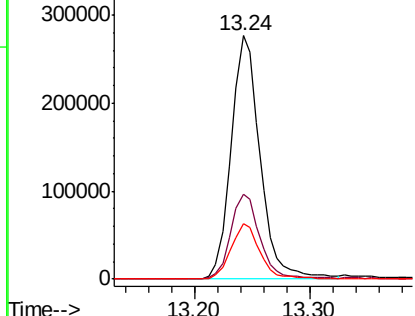
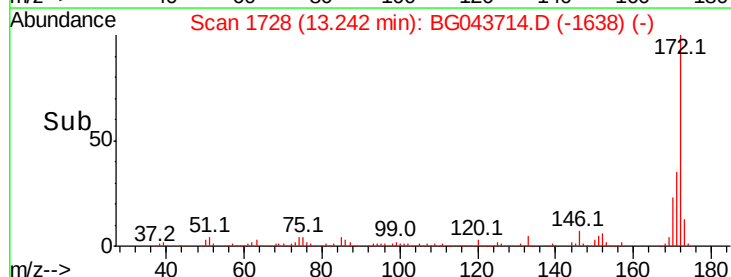


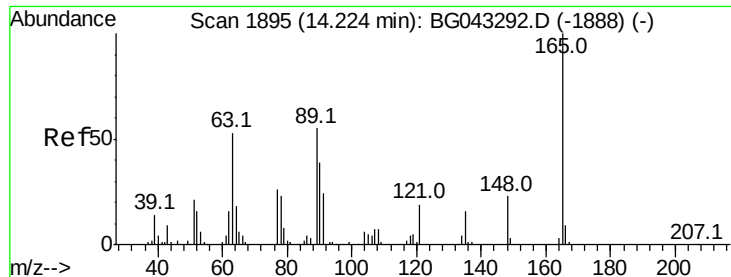
Abundance

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

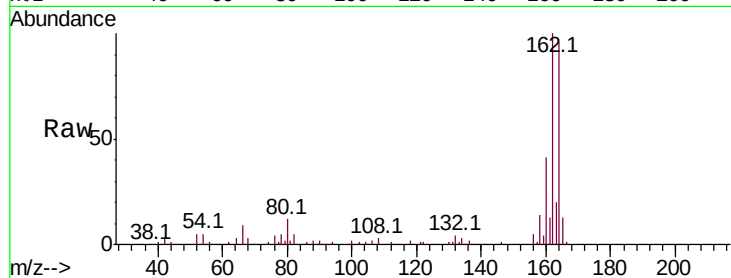




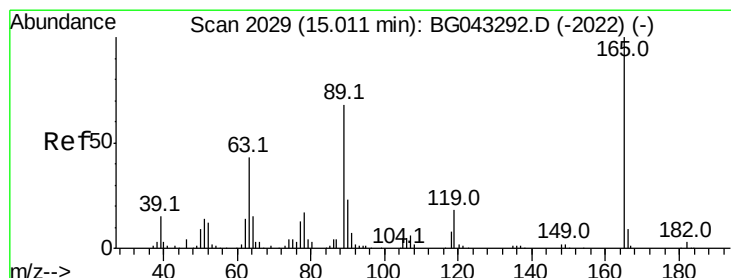
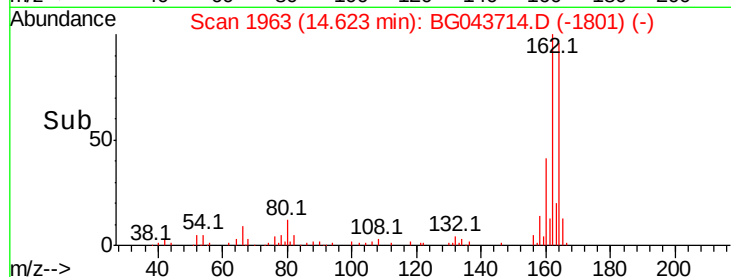
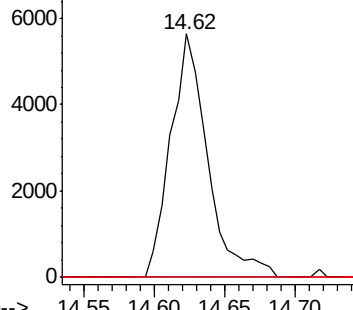
#51
 2,6-Dinitrotoluene
 Concen: 8.077 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. 0.42 min
 Lab File: BG043714.D
 Acq: 20 Nov 2019 2:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.6#
89	0.0	39.8	59.8#

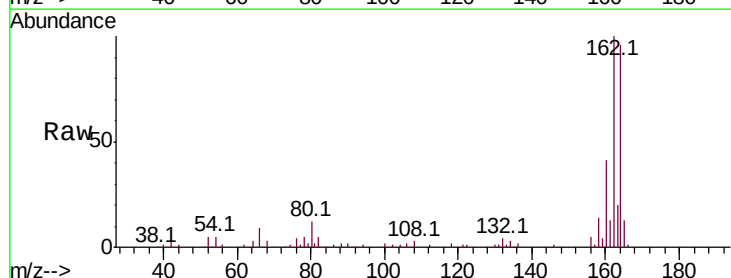


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

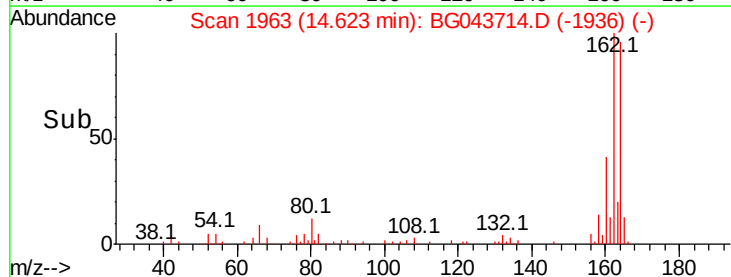
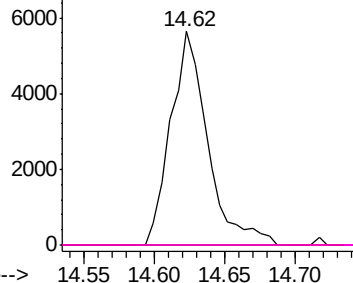


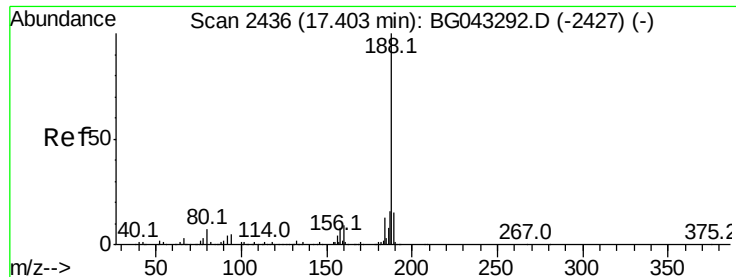
#57
 2,4-Dinitrotoluene
 Concen: 5.652 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.37 min
 Lab File: BG043714.D
 Acq: 20 Nov 2019 2:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.4	56.0#
89	0.0	50.9	76.3#
182	0.0	2.3	3.5#



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: 17.37 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG043714.D

Acq: 20 Nov 2019 2:43

Instrument :

BNA_G

ClientSampleId :

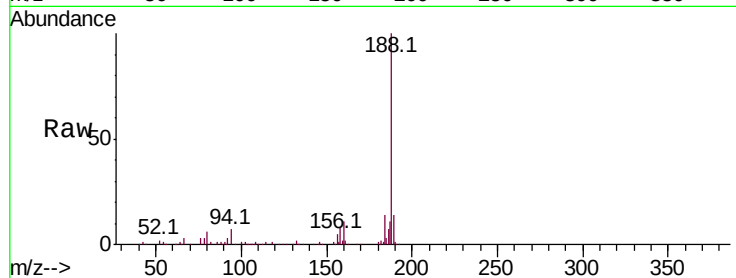
Tot Ion:188 Resp: 193701

Ion Ratio Lower Upper

188 100

94 6.6 4.6 7.0

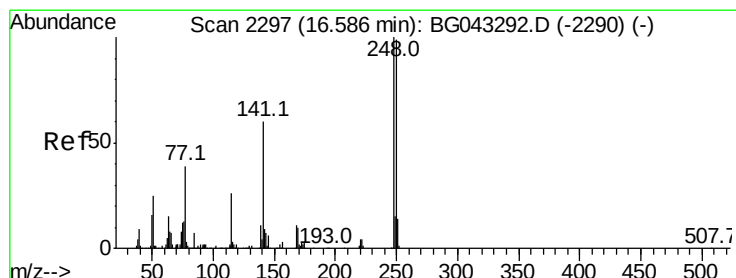
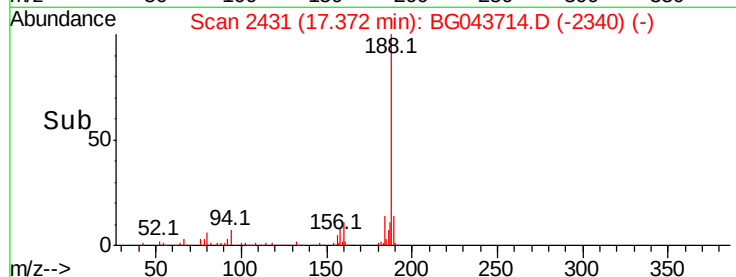
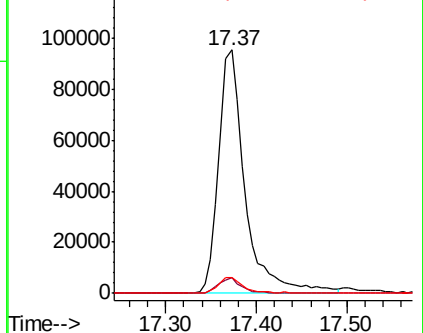
80 6.4 5.2 7.8



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: 4.586 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.44 min

Lab File: BG043714.D

Acq: 20 Nov 2019 2:43

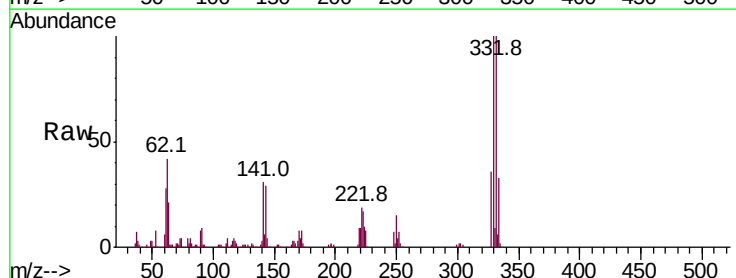
Tgt Ion:248 Resp: 11954

Ion Ratio Lower Upper

248 100

250 199.4 76.3 114.5#

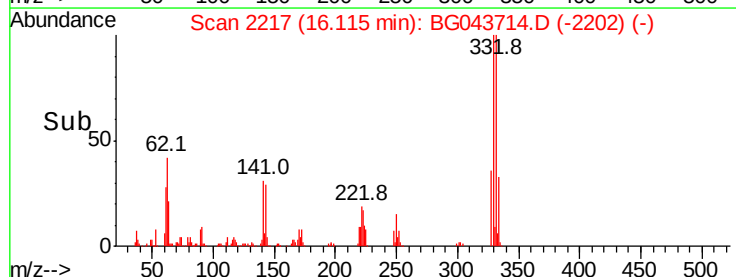
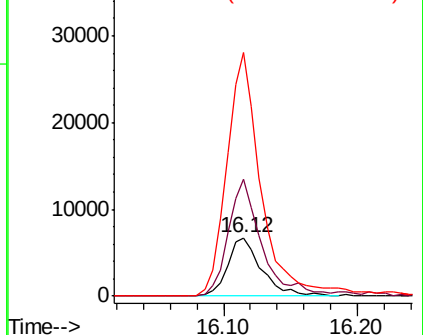
141 417.2 49.5 74.3#

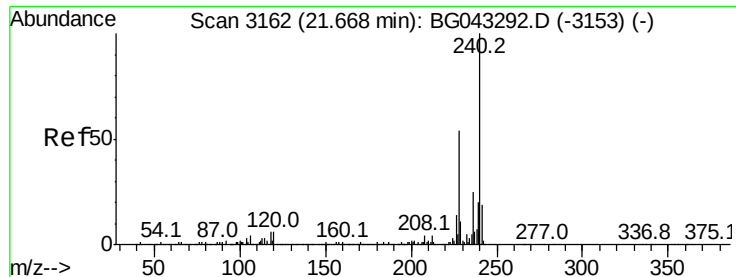


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

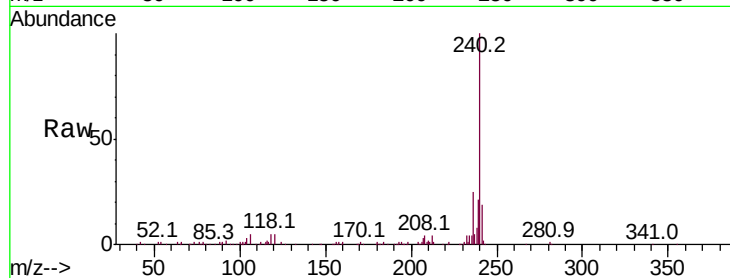




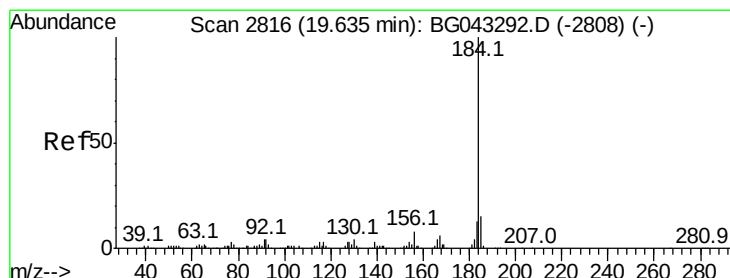
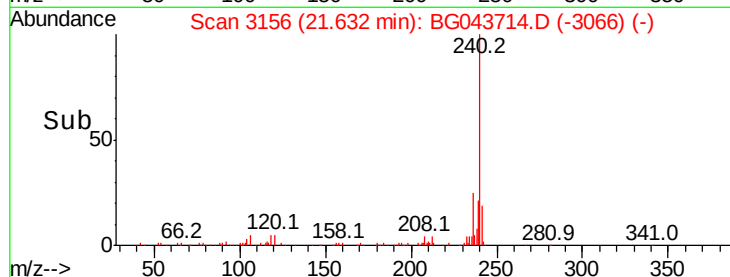
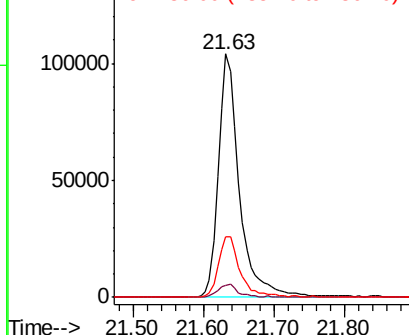
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 215026
Ion Ratio Lower Upper
240 100
120 4.8 4.9 7.3#
236 25.0 21.4 32.0

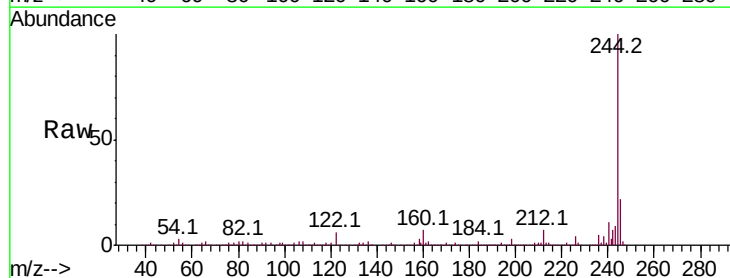


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

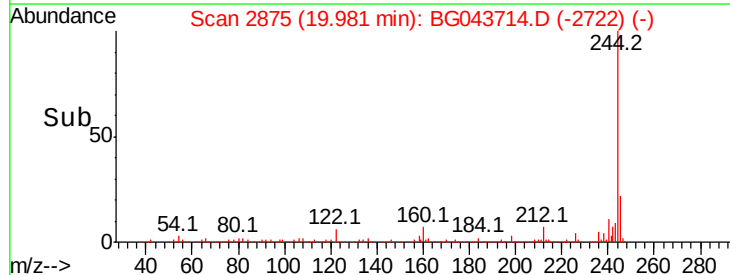
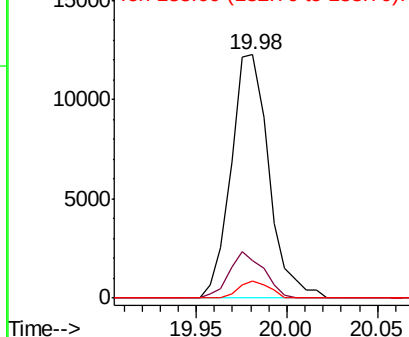


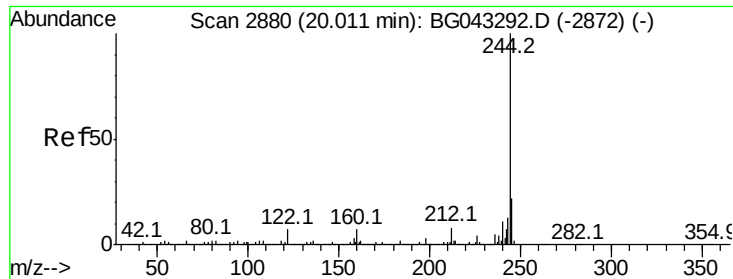
#77
Benzidine
Concen: 4.124 ng
RT: 19.98 min Scan# 2875
Delta R.T. 0.37 min
Lab File: BG043714.D
Acq: 20 Nov 2019 2:43

Tgt Ion:184 Resp: 17848
Ion Ratio Lower Upper
184 100
185 15.6 12.7 19.1
183 7.2 8.8 13.2#



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: 101.779 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043714.D

Acq: 20 Nov 2019 2:43

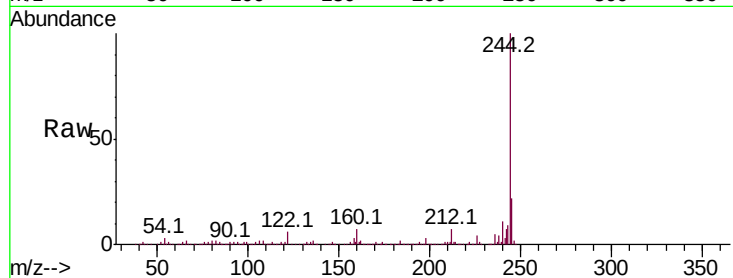
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1166553

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	6.3	5.2	7.8

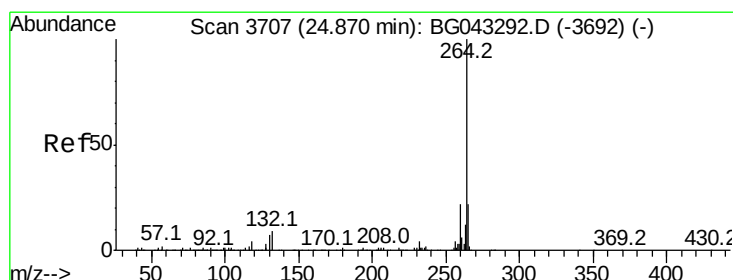
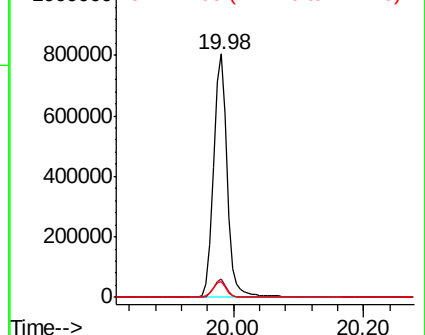
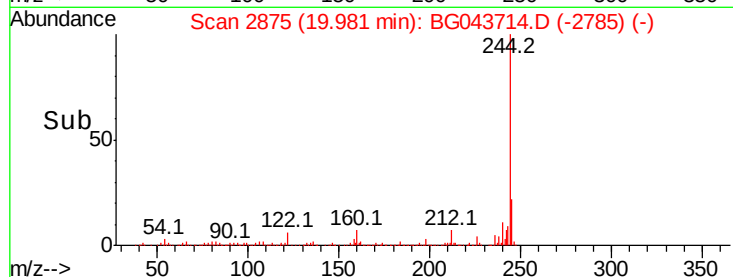


Abundance

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: 24.82 min Scan# 3698

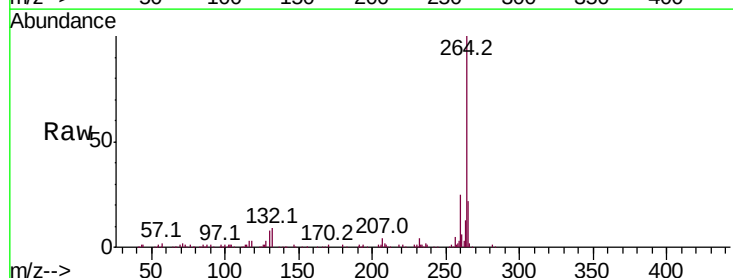
Delta R.T. 0.01 min

Lab File: BG043714.D

Acq: 20 Nov 2019 2:43

Tgt Ion:264 Resp: 246905

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.4	27.6
265	22.0	15.8	23.8



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

