

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062919\
 Data File : BG041540.D
 Acq On : 29 Jun 2019 11:05
 Operator : HP/JU
 Sample : K3572-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ERM-7

Quant Time: Jun 30 00:55:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

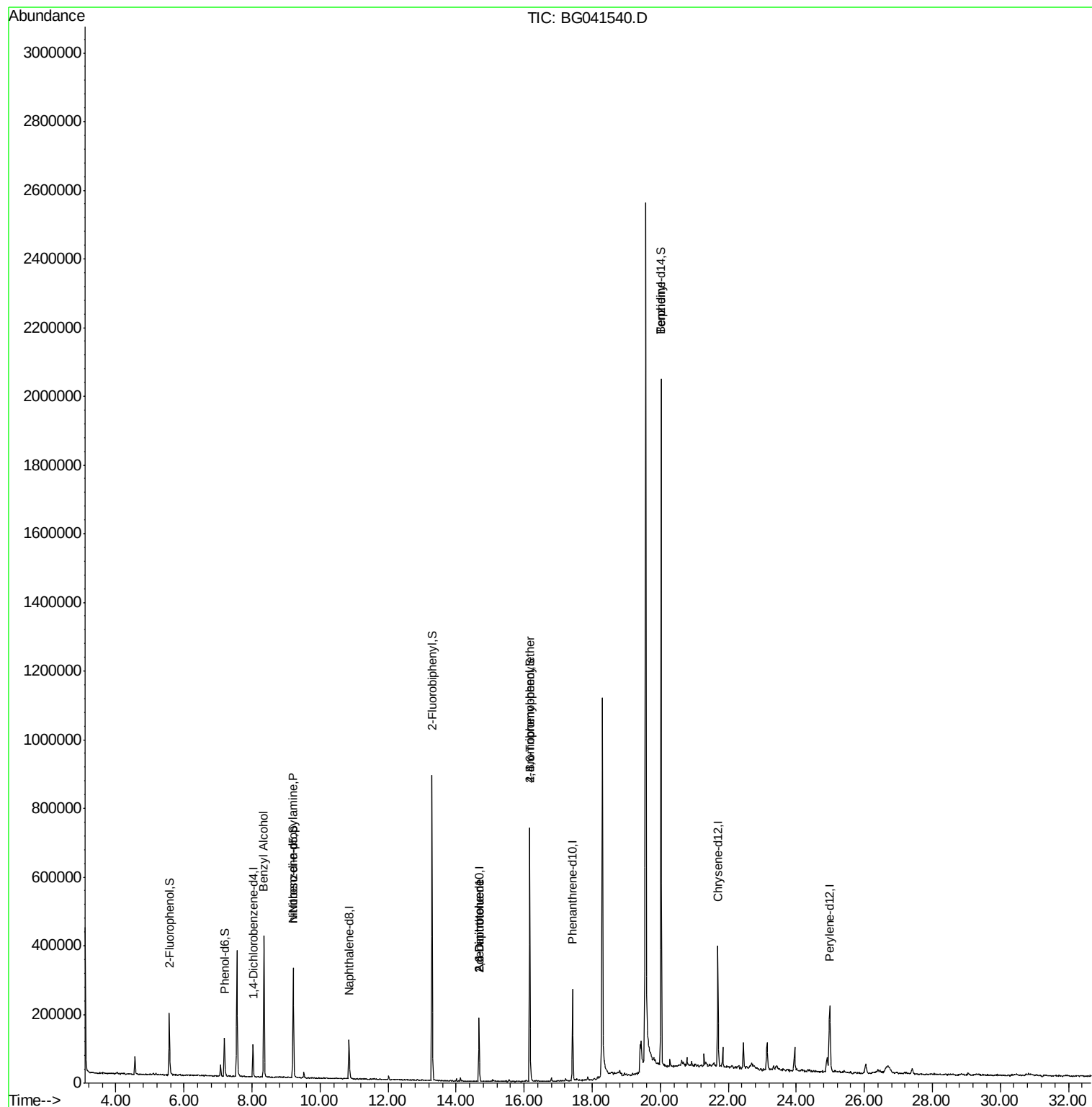
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	26651	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	92287	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	64870	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	169514	20.00	ng	0.00
76) Chrysene-d12	21.69	240	216731	20.00	ng	0.00
87) Perylene-d12	24.98	264	237993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	77764	52.02	ng	0.00
7) Phenol-d6	7.19	99	66068	31.40	ng	0.00
23) Nitrobenzene-d5	9.21	82	193388	87.40	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	145623	131.47	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	452744	89.56	ng	0.00
79) Terphenyl-d14	20.03	244	924948	90.69	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	3524	2.103	ng	# 58
19) n-Nitroso-di-n-propylamine	9.21	70	28478	18.143	ng	# 72
51) 2,6-Dinitrotoluene	14.67	165	8355	6.669	ng	# 17
57) 2,4-Dinitrotoluene	14.67	165	8355	4.597	ng	# 22
67) 4-Bromophenyl-phenylether	16.17	248	9854	4.254	ng	# 1
77) Benzidine	20.03	184	16777	3.489	ng	# 91

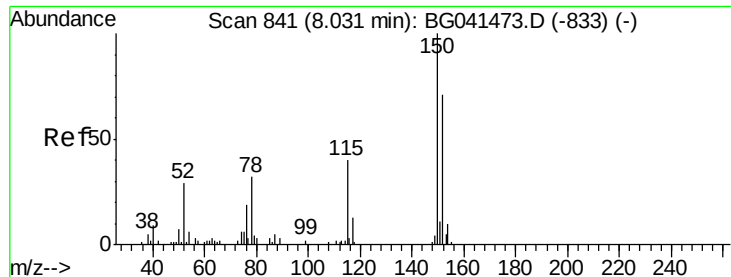
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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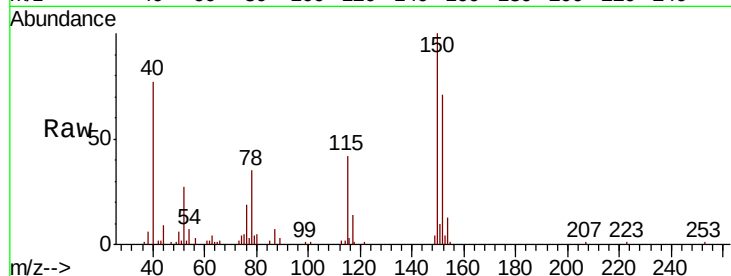


#1

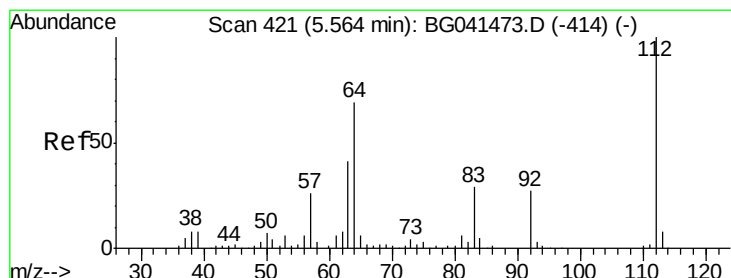
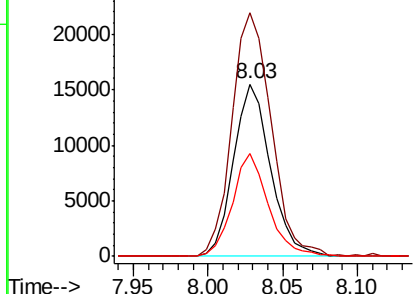
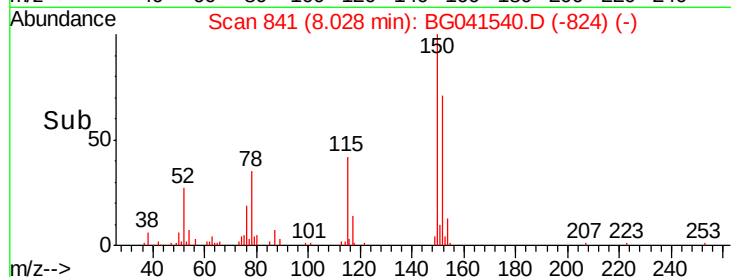
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041540.D
Acq: 29 Jun 2019 11:05

Instrument :
BNA_G
ClientSampleId :
ERM-7

Tgt Ion:152 Resp: 26651
Ion Ratio Lower Upper
152 100
150 141.3 112.4 168.6
115 59.7 44.6 66.8



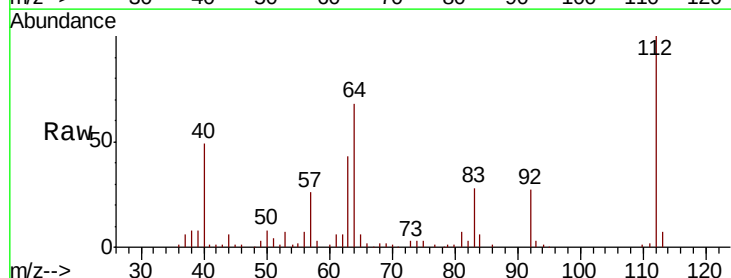
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



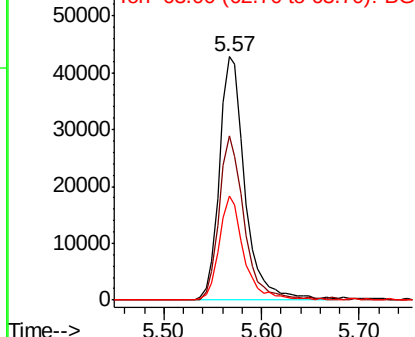
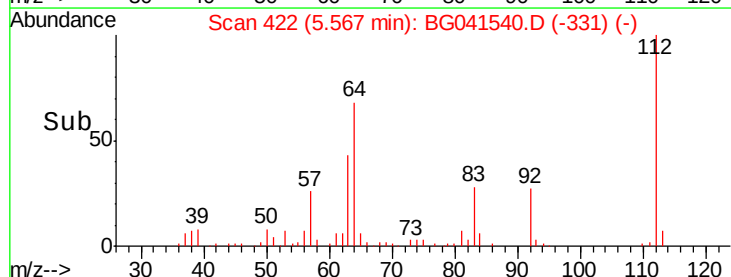
#5

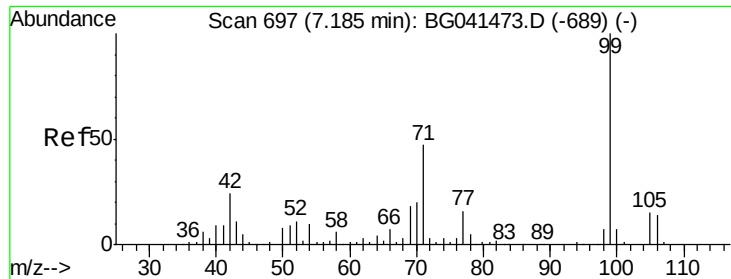
2-Fluorophenol
Concen: 52.021 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041540.D
Acq: 29 Jun 2019 11:05

Tgt Ion:112 Resp: 77764
Ion Ratio Lower Upper
112 100
64 67.6 55.1 82.7
63 42.7 32.4 48.6



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





#7

Phenol-d6

Concen: 31.396 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041540.D

Acq: 29 Jun 2019 11:05

Instrument :

BNA_G

ClientSampleId :

ERM-7

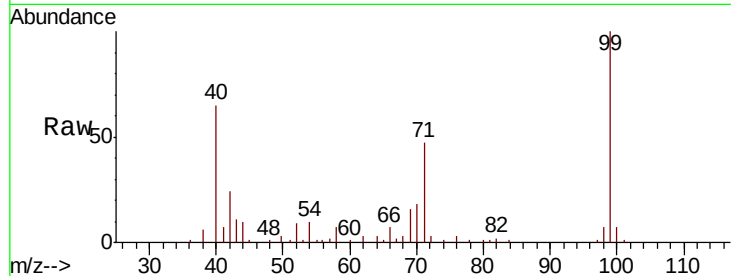
Tgt Ion: 99 Resp: 66068

Ion Ratio Lower Upper

99 100

42 24.4 19.0 28.6

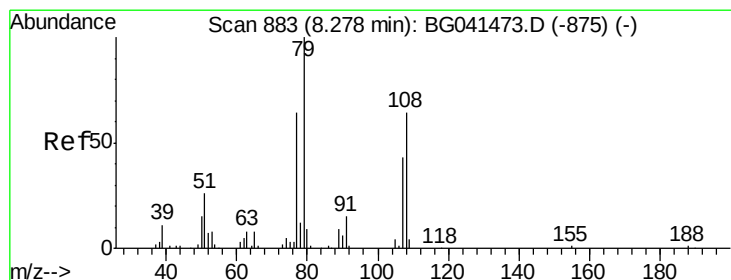
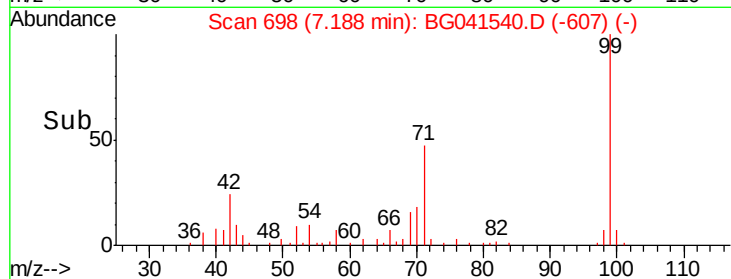
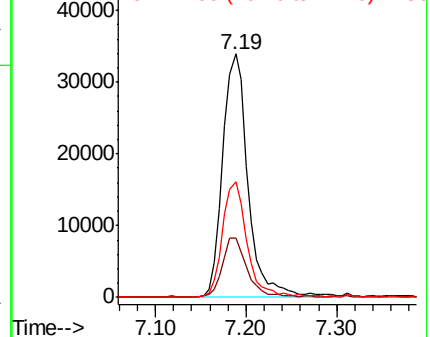
71 47.3 37.4 56.2



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: 2.103 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG041540.D

Acq: 29 Jun 2019 11:05

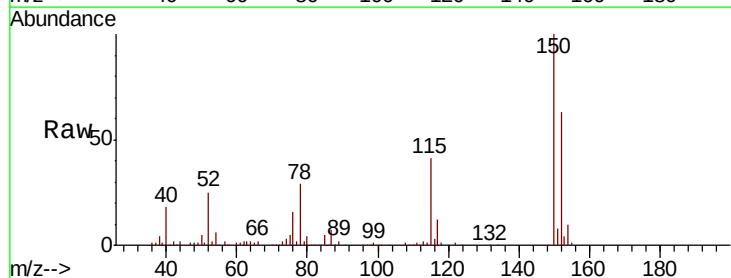
Tgt Ion: 79 Resp: 3524

Ion Ratio Lower Upper

79 100

108 42.2 51.4 77.0#

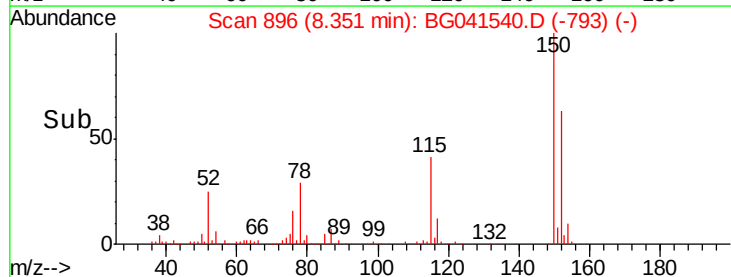
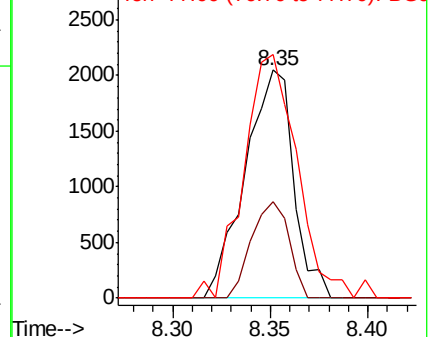
77 106.8 50.8 76.2#

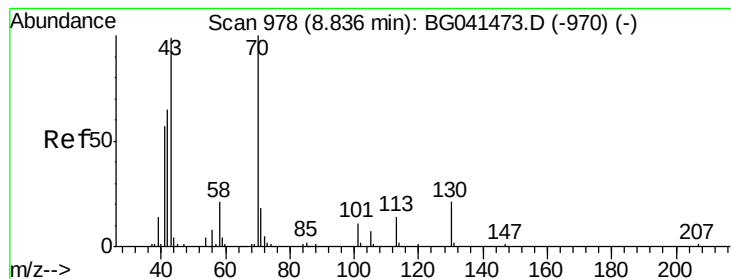


Abundance Ion 79.00 (78.70 to 79.70): BGC

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: 18.143 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.37 min

Lab File: BG041540.D

Acq: 29 Jun 2019 11:05

Instrument :

BNA_G

ClientSampled :

ERM-7

Tgt Ion: 70 Resp: 28478

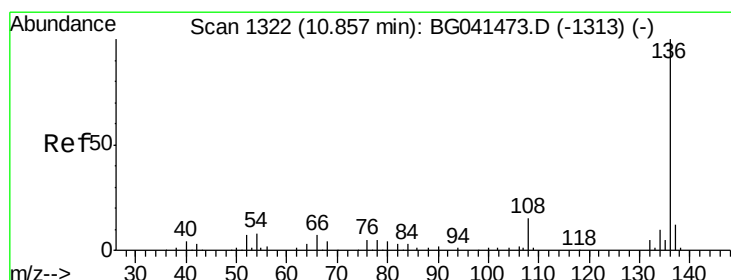
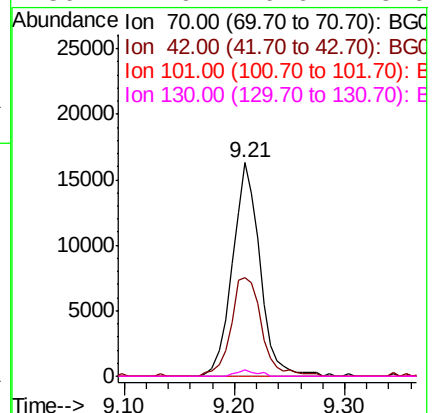
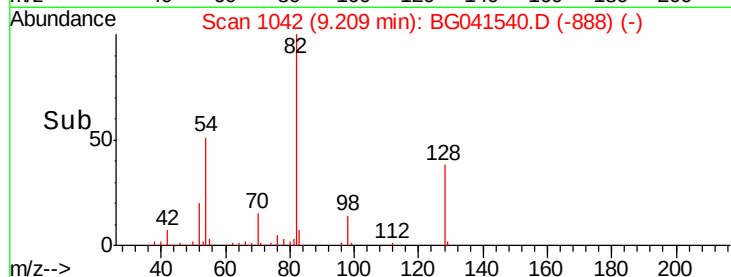
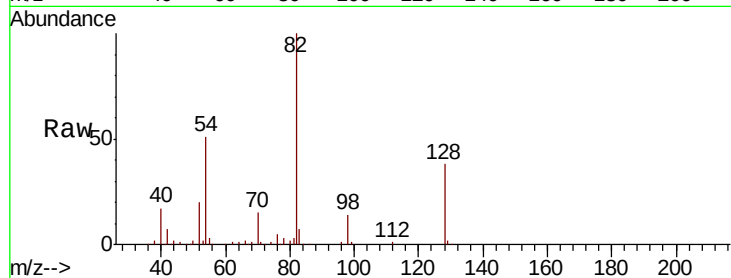
Ion Ratio Lower Upper

70 100

42 46.0 52.6 78.8#

101 0.0 8.6 13.0#

130 2.9 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041540.D

Acq: 29 Jun 2019 11:05

Tgt Ion: 136 Resp: 92287

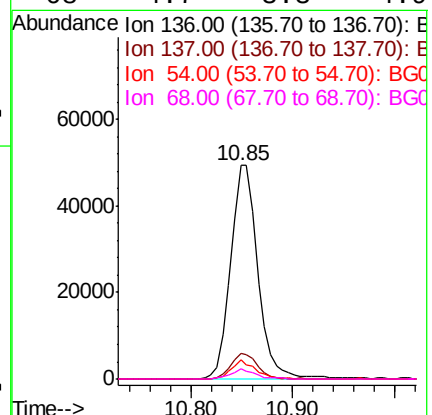
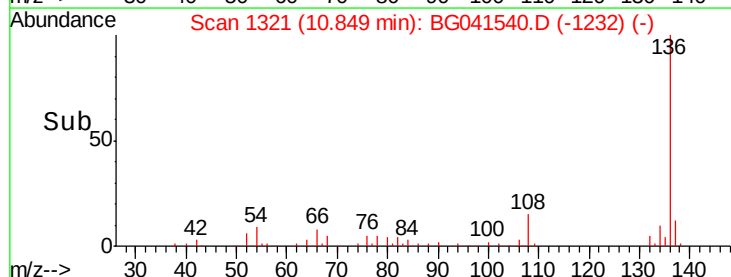
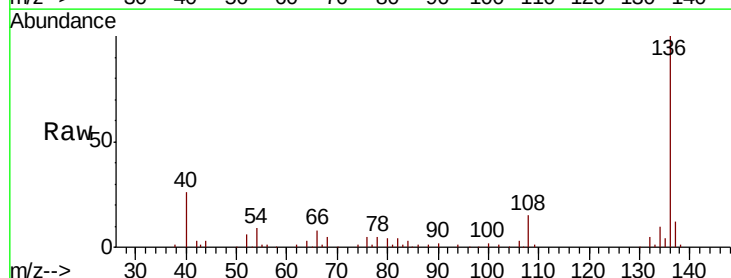
Ion Ratio Lower Upper

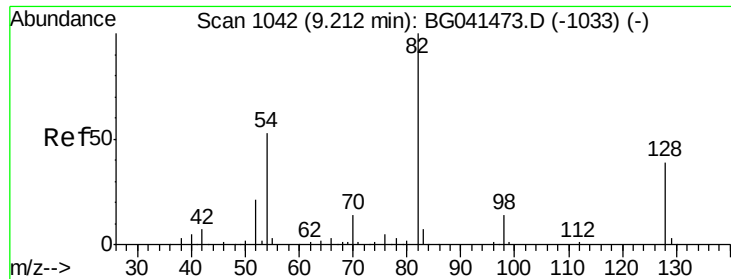
136 100

137 11.7 9.3 13.9

54 9.1 7.1 10.7

68 4.7 3.3 4.9

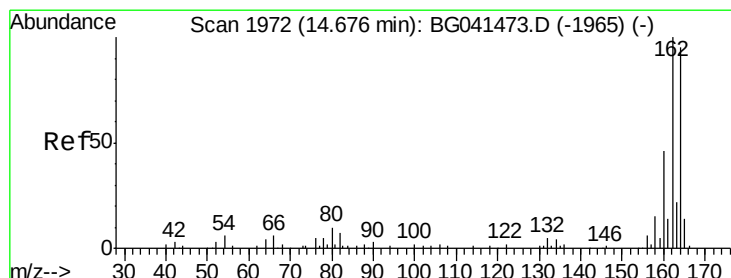
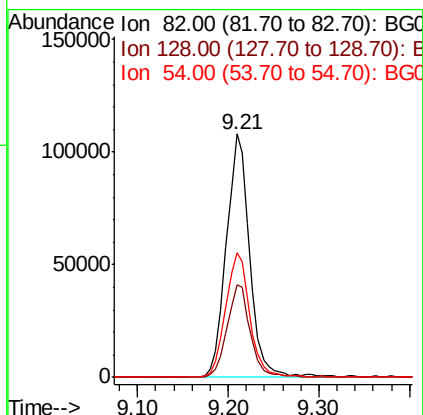
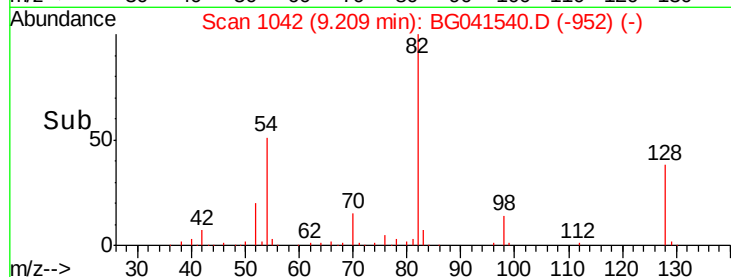
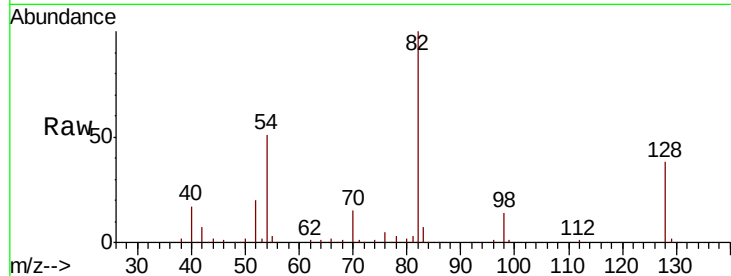




#23
 Nitrobenzene-d5
 Concen: 87.397 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

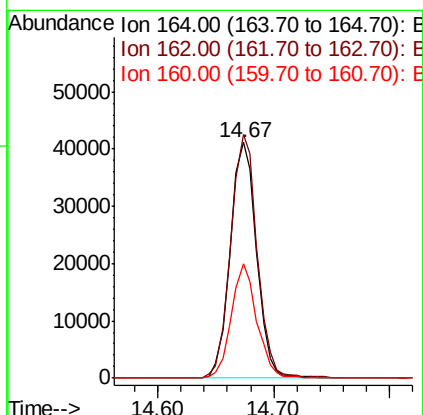
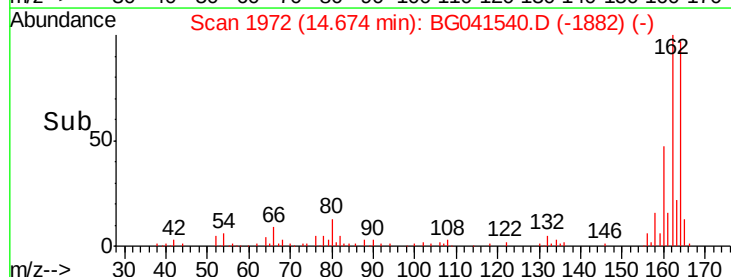
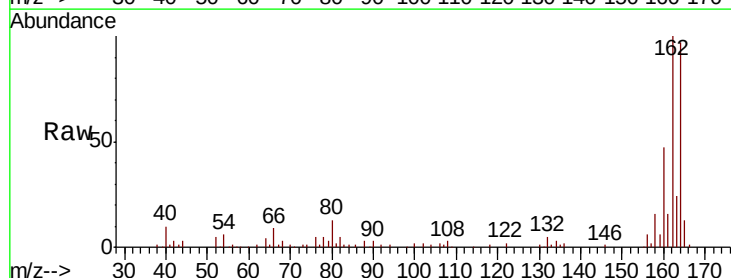
Instrument :
 BNA_G
 ClientSampleID :
 ERM-7

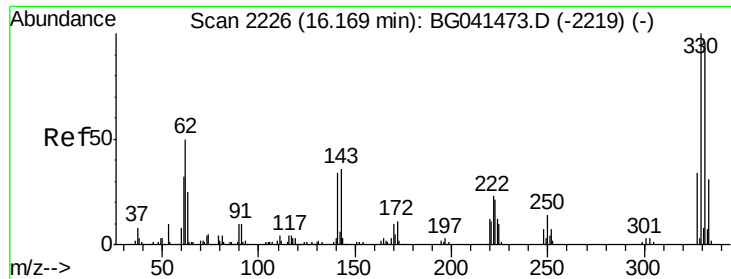
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.0	30.9	46.3
54	51.4	42.2	63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	84.4	126.6
160	48.6	38.8	58.2

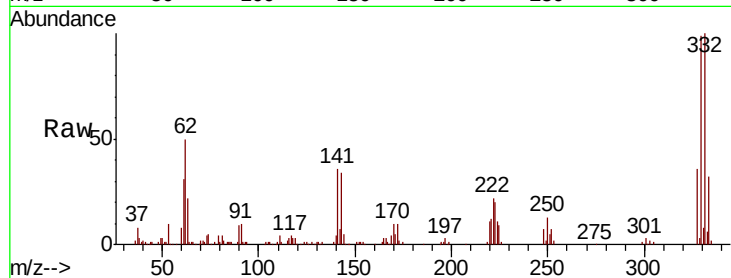




#42
 2,4,6-Tribromophenol
 Concen: 131.475 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

Instrument :
 BNA_G
 ClientSampleId :
 ERM-7

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.5	113.3
141	35.8	27.8	41.6

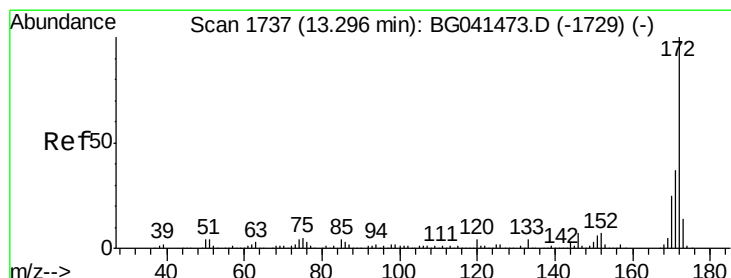
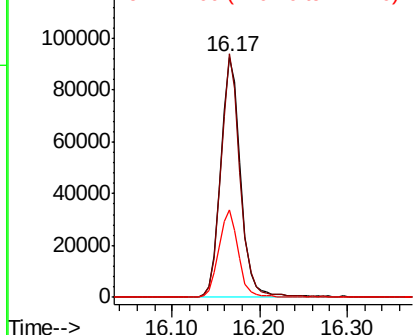
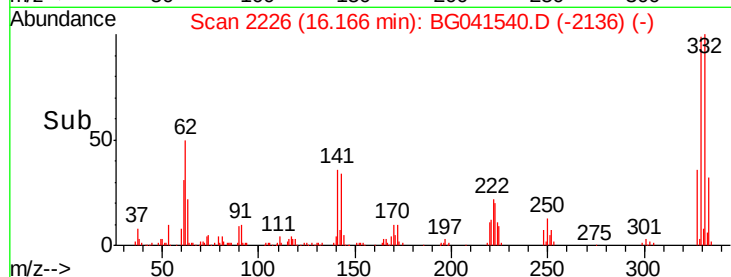


Abundance

Ion 329.80 (329.50 to 330.50): E

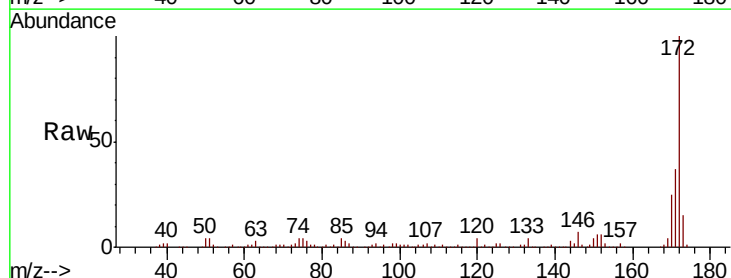
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.562 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.8	20.0	30.0

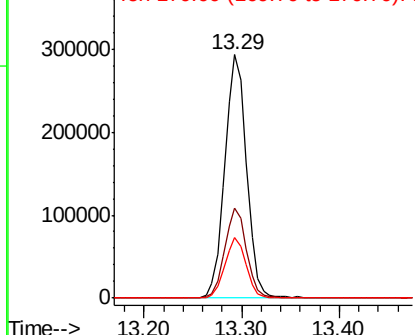
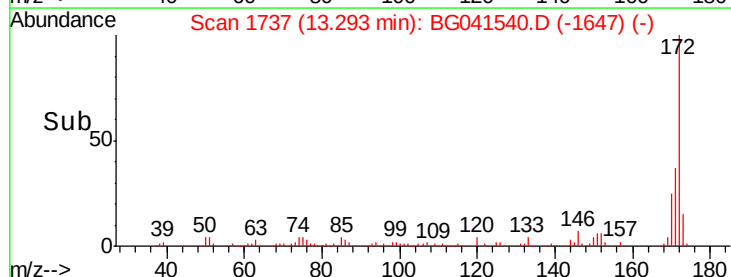


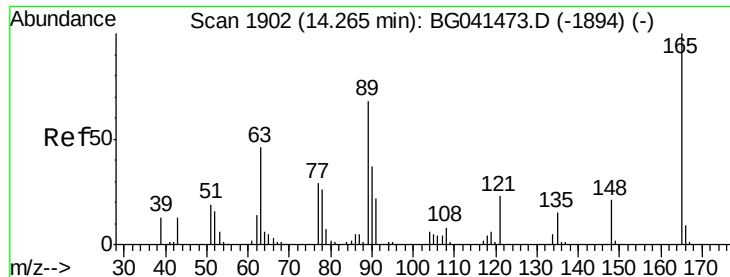
Abundance

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

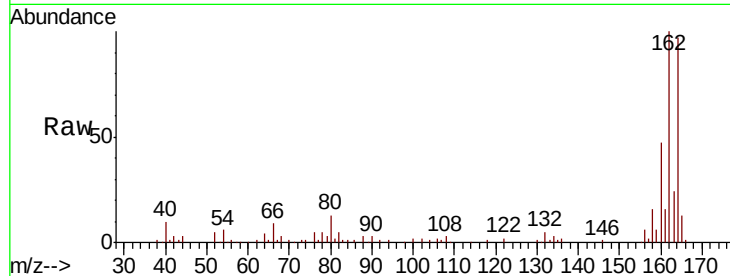




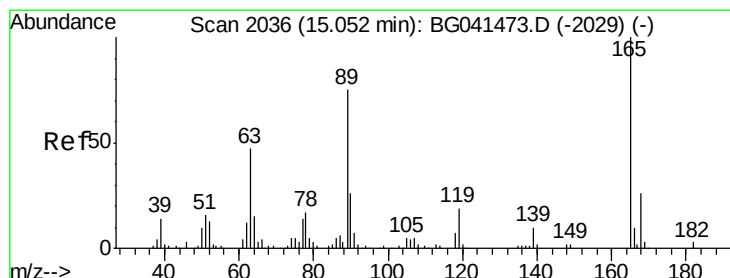
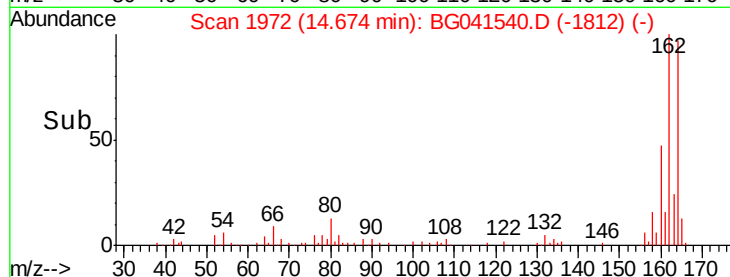
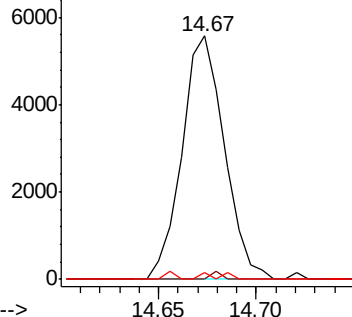
#51
 2,6-Dinitrotoluene
 Concen: 6.669 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

Instrument :
 BNA_G
 ClientSampleId :
 ERM-7

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	56.4	84.6#
89	3.0	54.6	81.8#

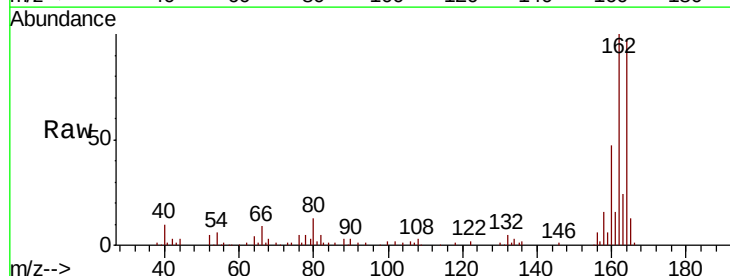


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

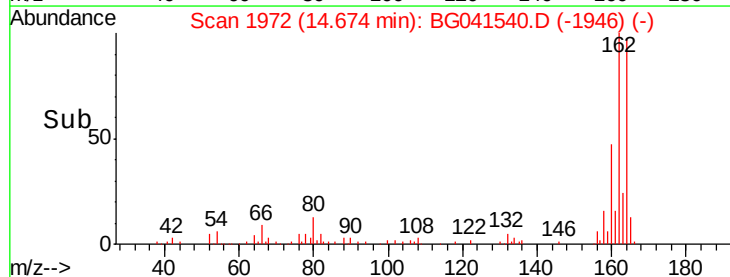
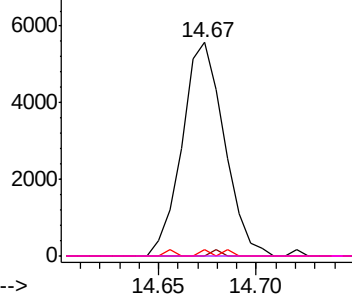


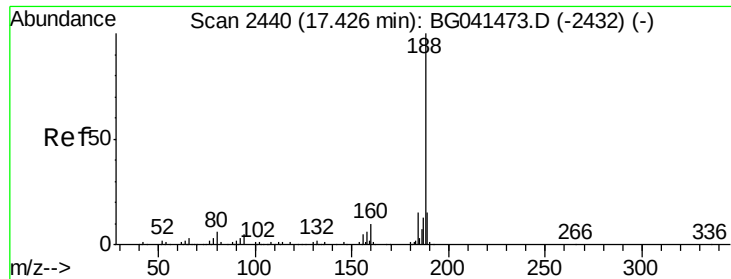
#57
 2,4-Dinitrotoluene
 Concen: 4.597 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.8	58.2#
89	3.0	60.1	90.1#
182	0.0	2.2	3.2#



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

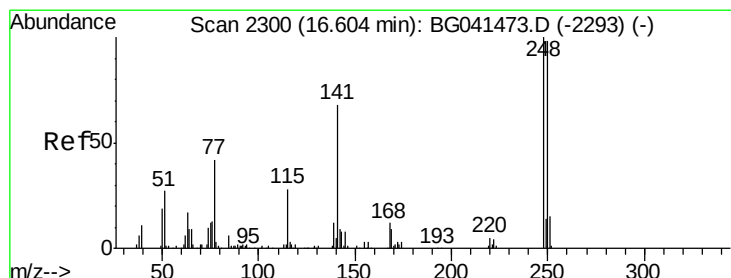
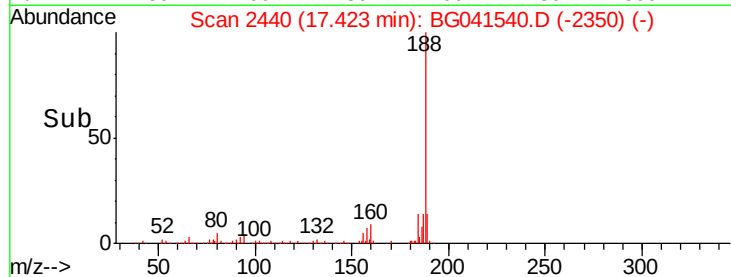
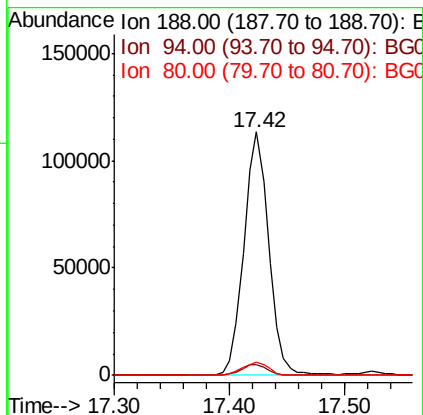
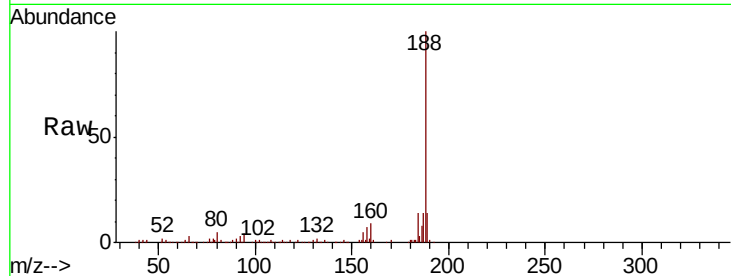




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

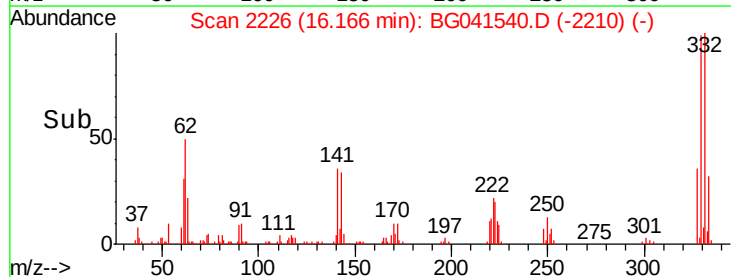
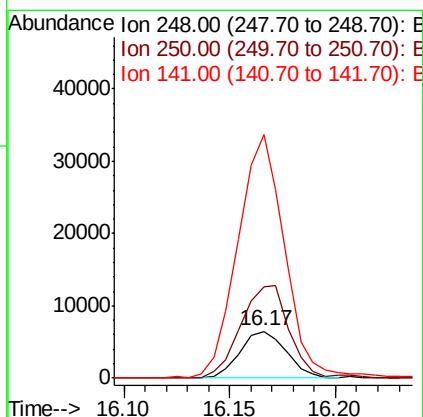
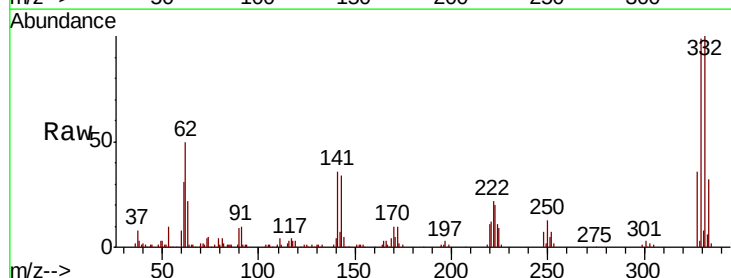
Instrument :
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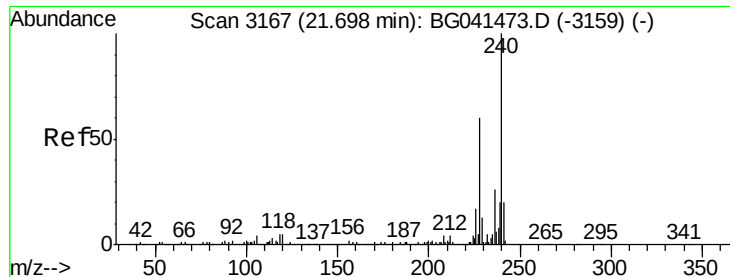
Tgt Ion:188 Resp: 169514
 Ion Ratio Lower Upper
 188 100
 94 4.2 3.8 5.8
 80 5.4 4.8 7.2



#67
 4-Bromophenyl-phenylether
 Concen: 4.254 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.44 min
 Lab File: BG041540.D
 Acq: 29 Jun 2019 11:05

Tgt Ion:248 Resp: 9854
 Ion Ratio Lower Upper
 248 100
 250 196.0 78.1 117.1#
 141 522.7 54.1 81.1#

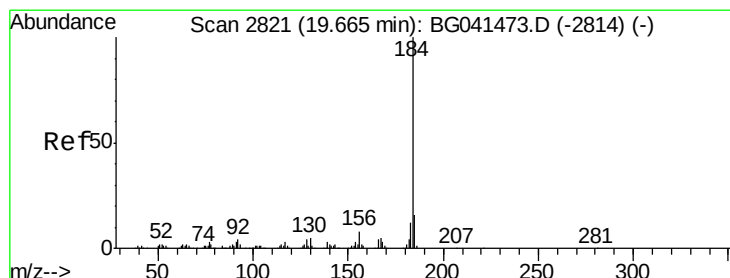
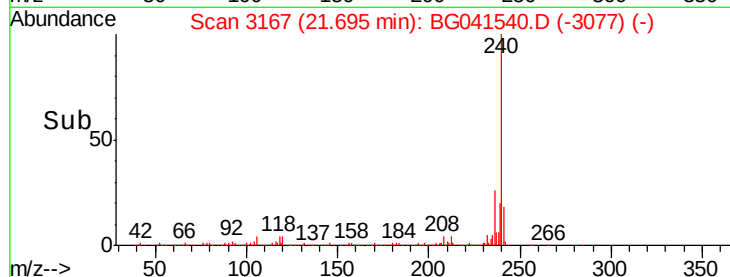
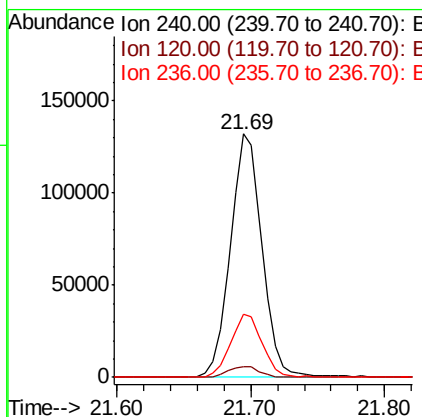
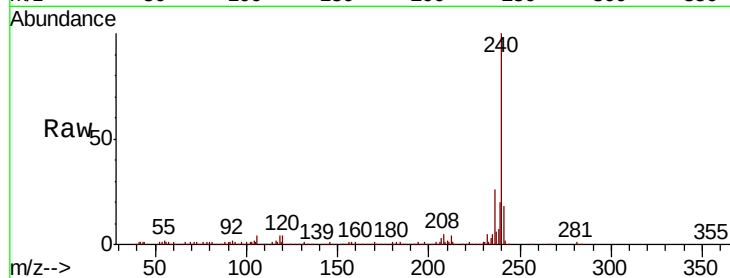




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG041540.D
Acq: 29 Jun 2019 11:05

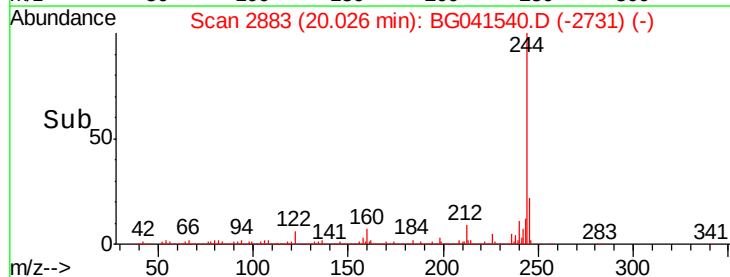
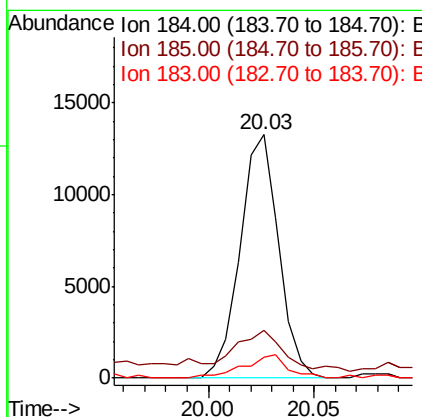
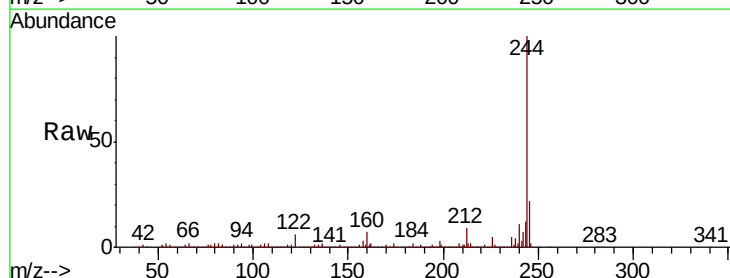
Instrument :
BNA_G
ClientSampleId :
ERM-7

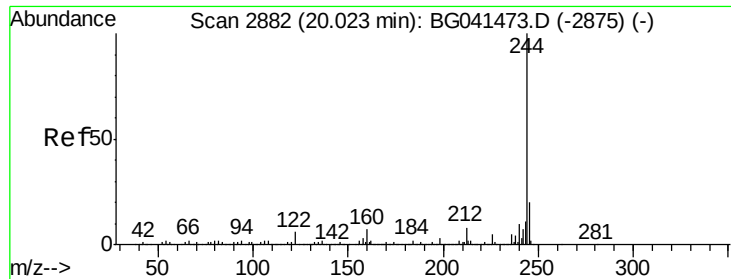
Tgt Ion:240 Resp: 216731
Ion Ratio Lower Upper
240 100
120 4.1 3.7 5.5
236 25.9 20.8 31.2



#77
Benzidine
Concen: 3.489 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.36 min
Lab File: BG041540.D
Acq: 29 Jun 2019 11:05

Tgt Ion:184 Resp: 16777
Ion Ratio Lower Upper
184 100
185 19.8 12.7 19.1#
183 8.5 9.4 14.2#





#79

Terphenyl-d14

Concen: 90.693 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041540.D

Acq: 29 Jun 2019 11:05

Instrument :

BNA_G

ClientSampleId :

ERM-7

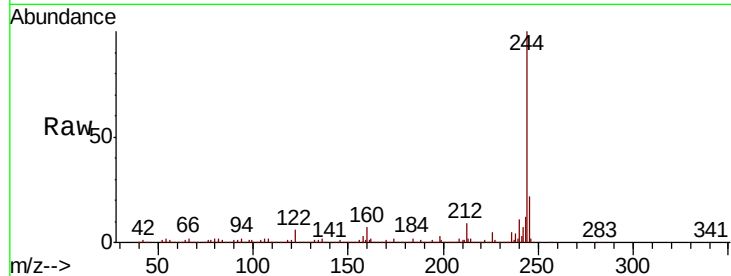
Tgt Ion:244 Resp: 924948

Ion Ratio Lower Upper

244 100

212 8.6 6.2 9.4

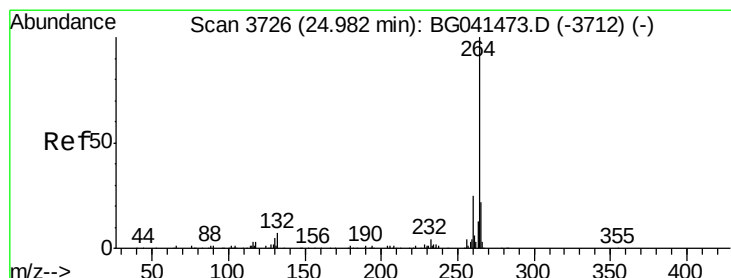
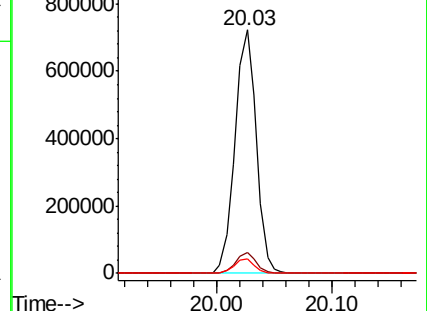
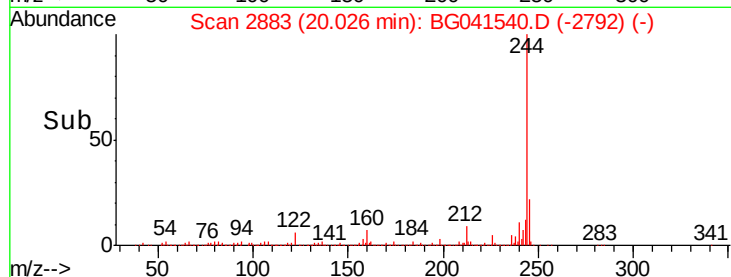
122 5.8 4.8 7.2



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: 24.98 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BG041540.D

Acq: 29 Jun 2019 11:05

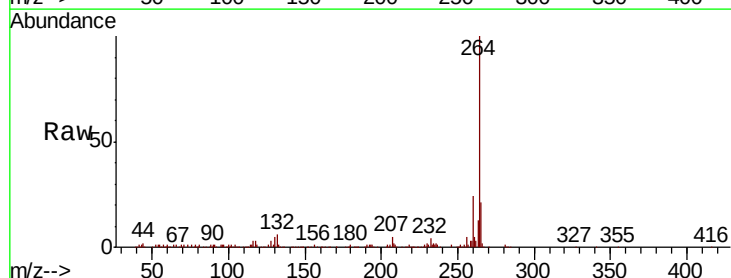
Tgt Ion:264 Resp: 237993

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 21.3 17.4 26.2



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

