

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042285.D
 Acq On : 17 Aug 2019 11:37
 Operator : HP/JU
 Sample : K4356-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Aug 19 05:55:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61813	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	235455	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	170174	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	410317	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	467818	20.00	ng	-0.04
87) Perylene-d12	24.94	264	501899	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	412546	129.85	ng	-0.03
7) Phenol-d6	7.17	99	517852	120.90	ng	-0.03
23) Nitrobenzene-d5	9.18	82	344430	100.67	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	353247	182.75	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1048356	108.65	ng	-0.04
79) Terphenyl-d14	20.04	244	1988097	97.24	ng	-0.03

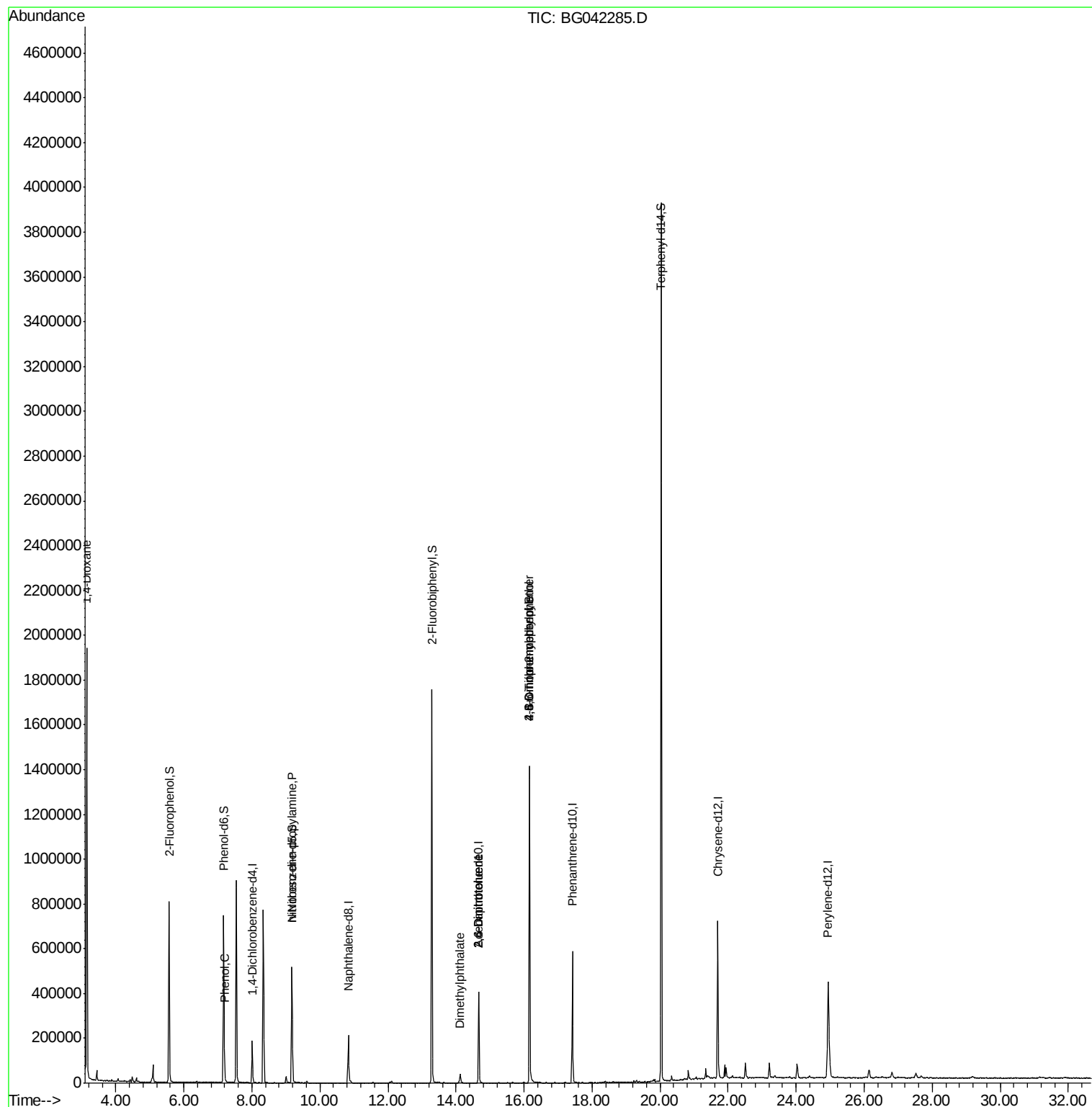
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.14	88	20857	13.948	ng	# 1
10) Phenol	7.20	94	13101	2.940	ng	91
19) n-Nitroso-di-n-propylamine	9.18	70	43711	14.057	ng	# 61
50) Dimethylphthalate	14.12	163	45493	3.914	ng	98
51) 2,6-Dinitrotoluene	14.66	165	22077	9.084	ng	# 27
57) 2,4-Dinitrotoluene	14.66	165	22077	6.606	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.16	198	757	7.175	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	25004	4.947	ng	# 1

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

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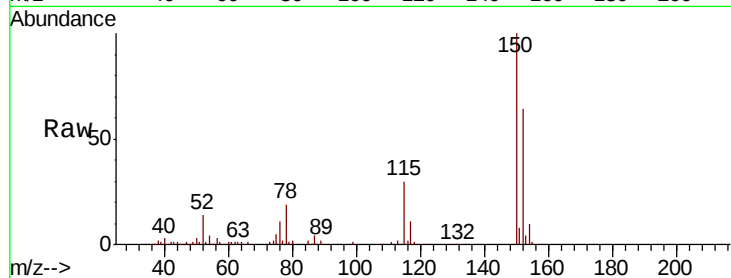


#1

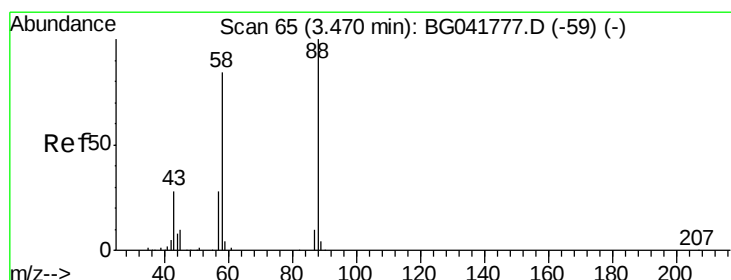
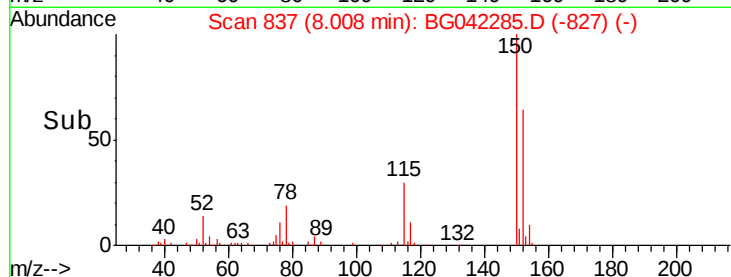
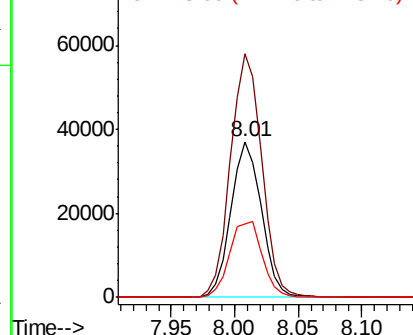
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.04 min
Lab File: BG042285.D
Acq: 17 Aug 2019 11:37

Instrument :
BNA_G
ClientSampled :
TP-4

Tgt Ion:152 Resp: 61813
Ion Ratio Lower Upper
152 100
150 156.3 126.9 190.3
115 47.2 45.0 67.6



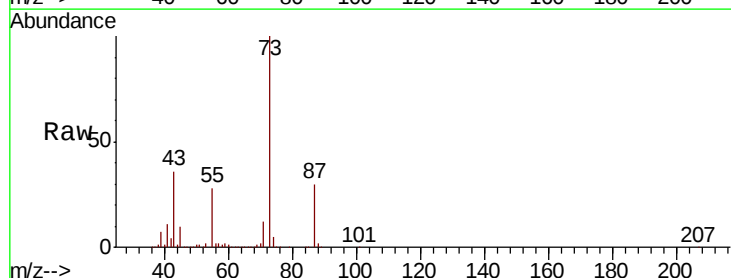
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



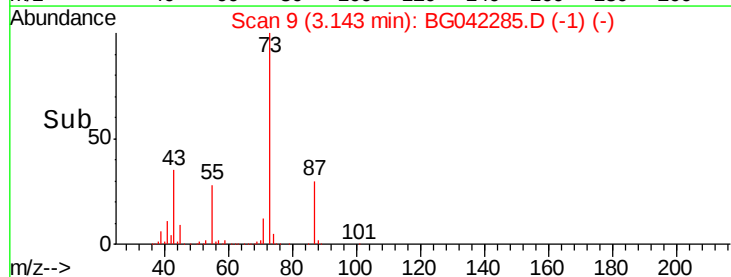
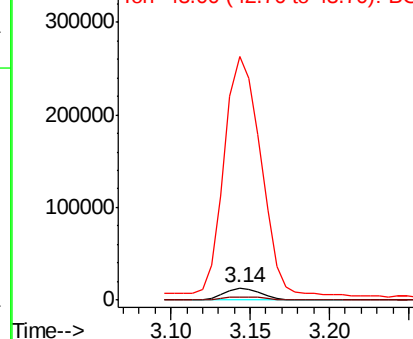
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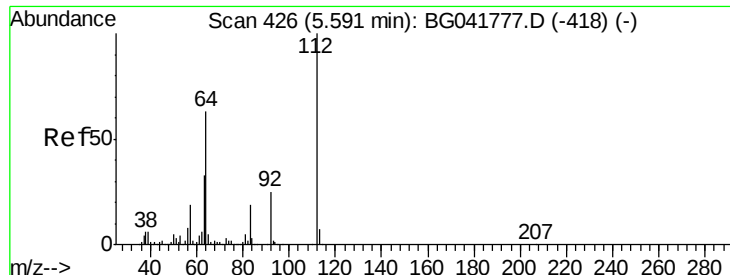
1,4-Dioxane
Concen: 13.948 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.33 min
Lab File: BG042285.D
Acq: 17 Aug 2019 11:37

Tgt Ion: 88 Resp: 20857
Ion Ratio Lower Upper
88 100
58 23.9 76.2 114.2#
43 2017.1 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 129.853 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

Instrument :

BNA_G

ClientSampleId :

TP-4

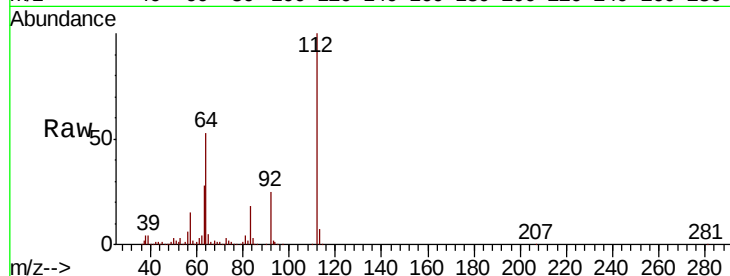
Tgt Ion: 112 Resp: 412546

Ion Ratio Lower Upper

112 100

64 52.9 55.4 83.2#

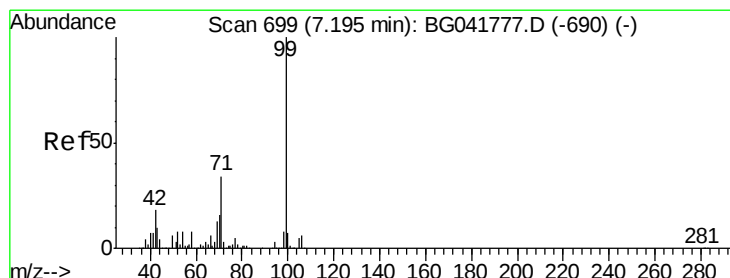
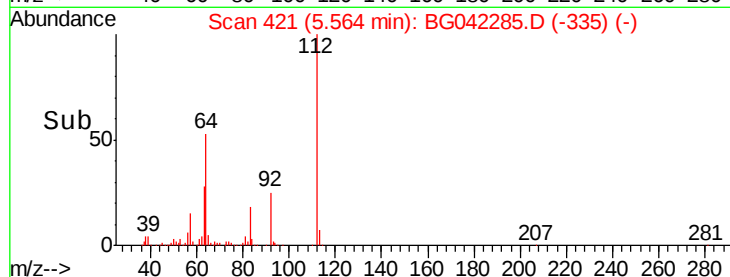
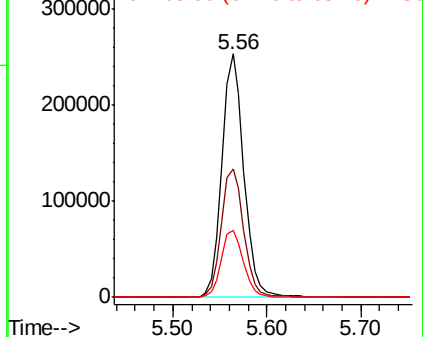
63 27.6 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 120.904 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

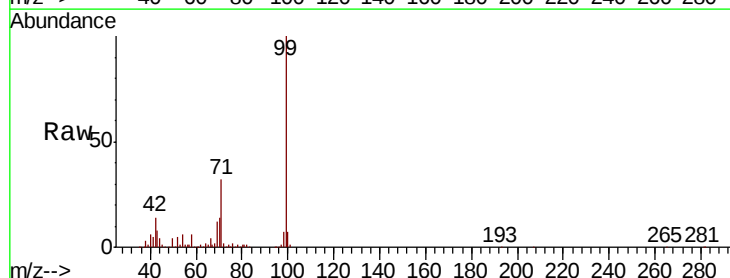
Tgt Ion: 99 Resp: 517852

Ion Ratio Lower Upper

99 100

42 14.1 17.6 26.4#

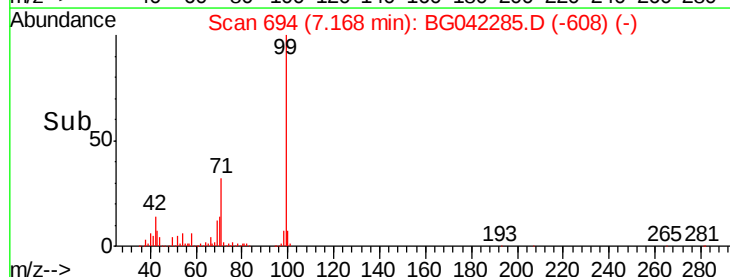
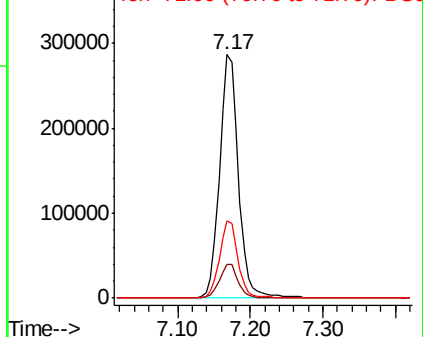
71 31.9 27.8 41.6

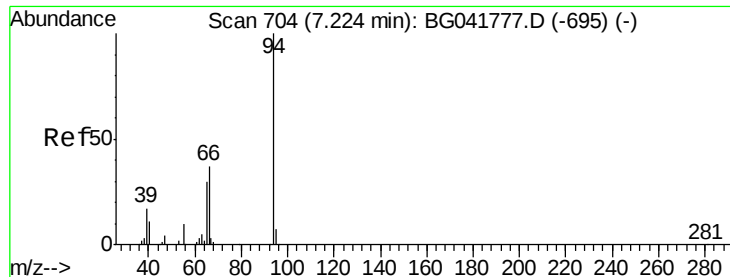


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.940 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

Instrument :

BNA_G

ClientSampleId :

TP-4

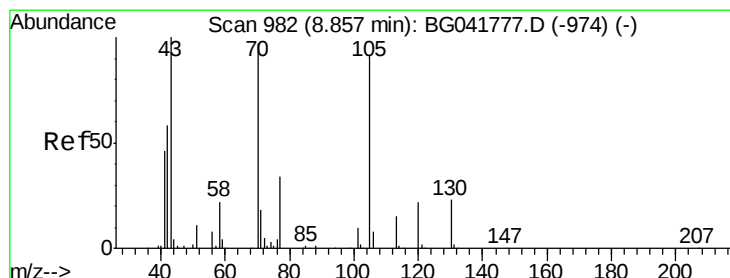
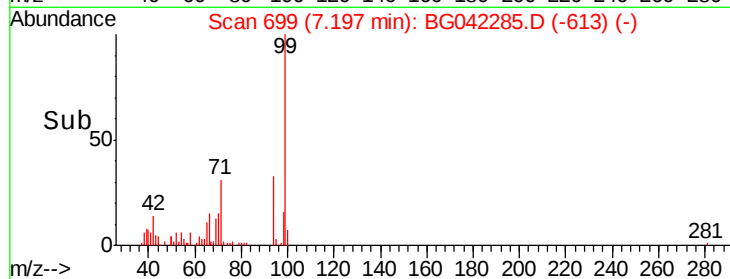
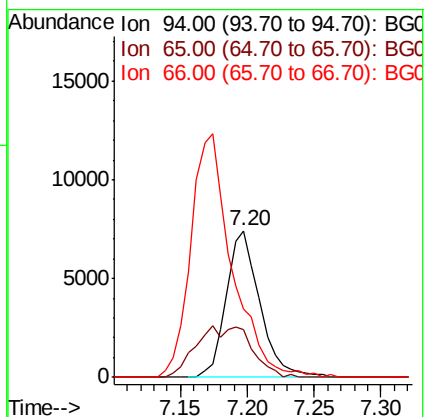
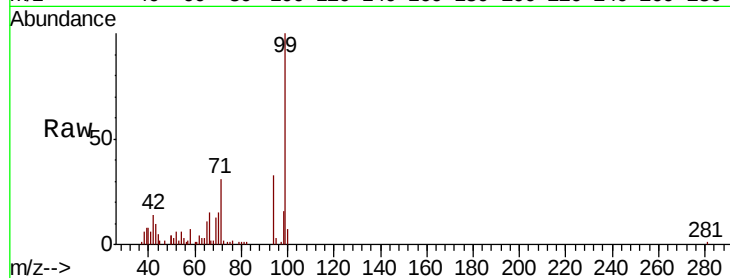
Tgt Ion: 94 Resp: 13101

Ion Ratio Lower Upper

94 100

65 32.4 10.6 50.6

66 46.7 18.2 58.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.057 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

Tgt Ion: 70 Resp: 43711

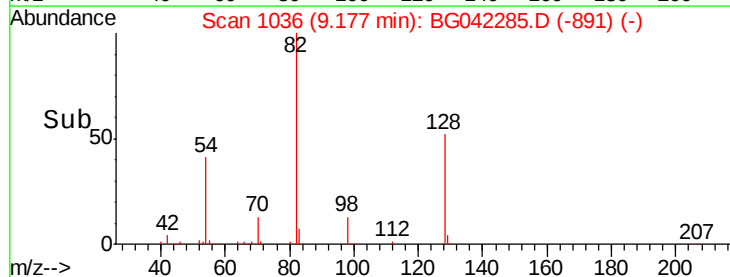
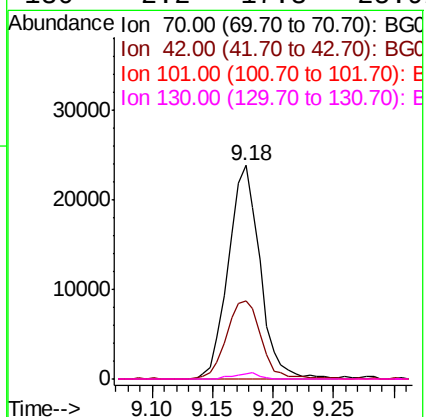
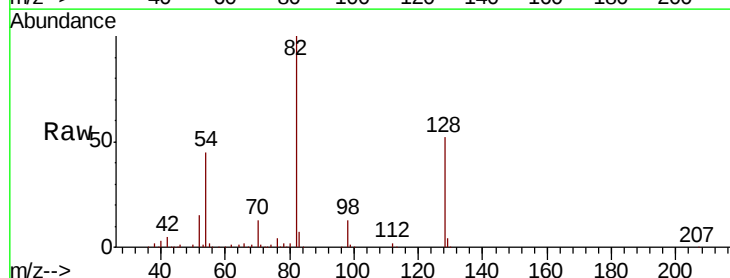
Ion Ratio Lower Upper

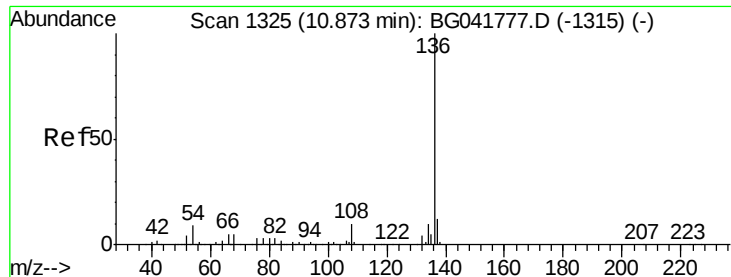
70 100

42 36.8 55.8 83.6#

101 0.0 8.1 12.1#

130 2.2 17.3 25.9#

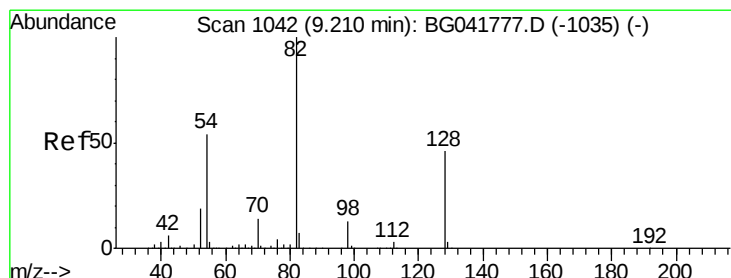
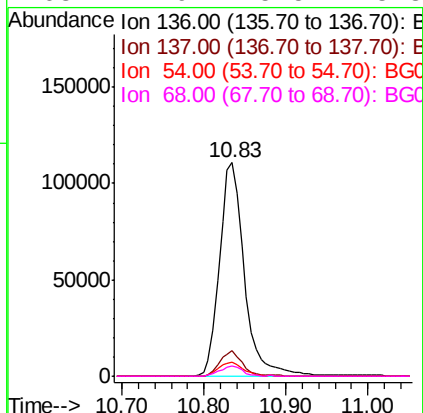
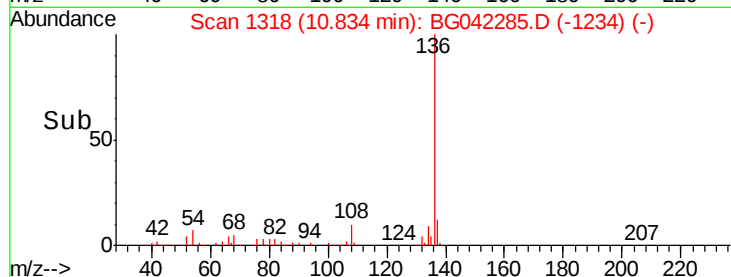
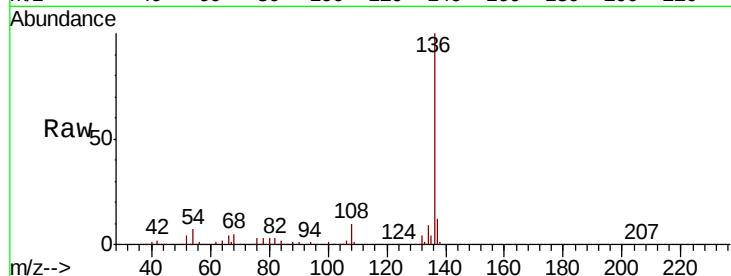




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042285.D
Acq: 17 Aug 2019 11:37

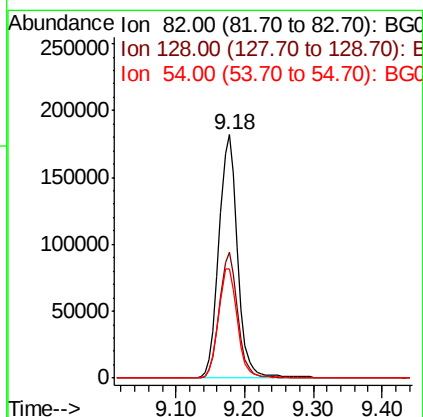
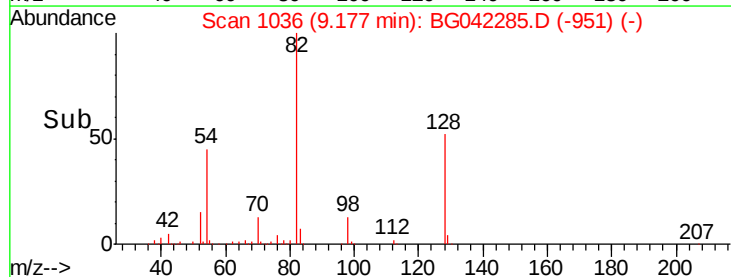
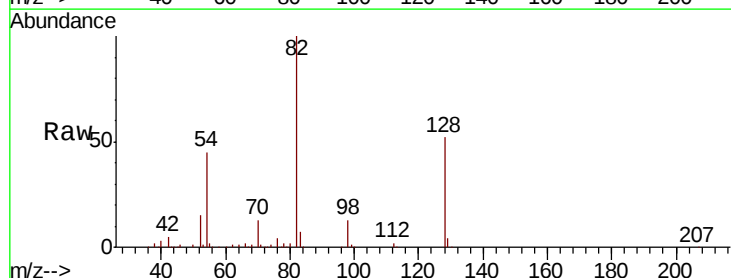
Instrument :
BNA_G
ClientSampleId :
TP-4

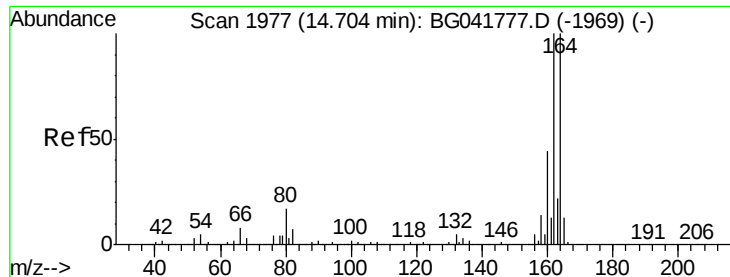
Tgt Ion:	136	Resp:	235455
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	6.8	8.7	13.1#
68	4.9	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 100.666 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042285.D
Acq: 17 Aug 2019 11:37

Tgt Ion:	82	Resp:	344430
Ion	Ratio	Lower	Upper
82	100		
128	51.7	35.1	52.7
54	44.7	48.7	73.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

Instrument :

BNA_G

ClientSampleId :

TP-4

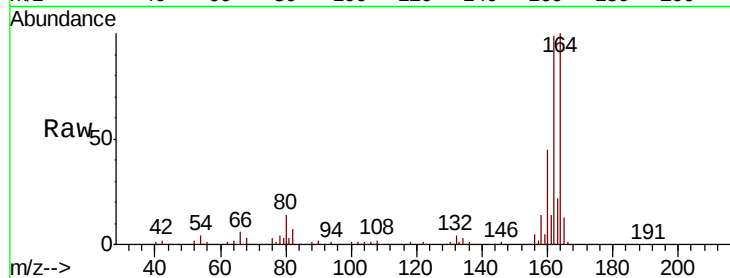
Tgt Ion:164 Resp: 170174

Ion Ratio Lower Upper

164 100

162 99.2 79.6 119.4

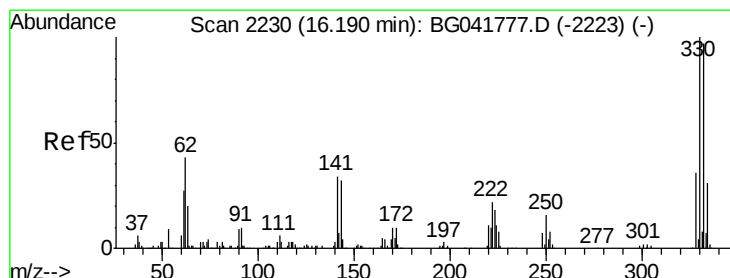
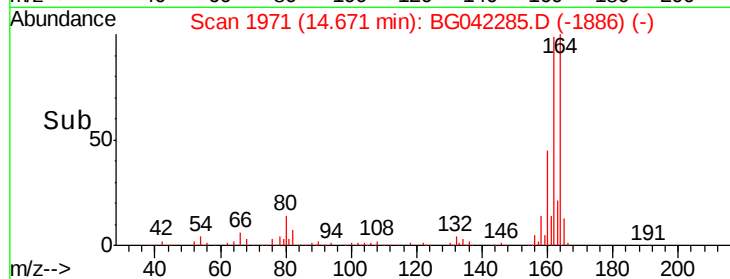
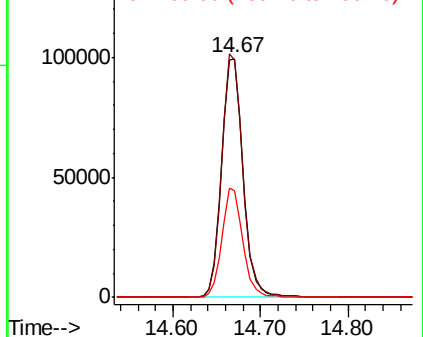
160 44.8 35.4 53.0



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: 182.751 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

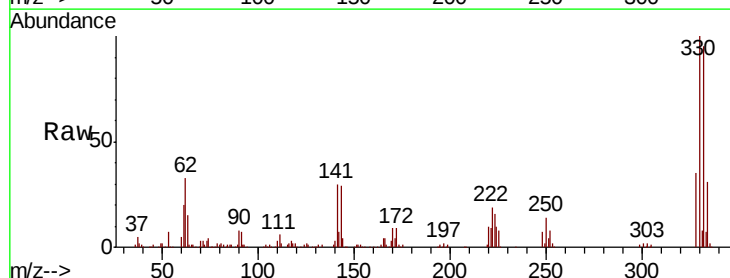
Tgt Ion:330 Resp: 353247

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

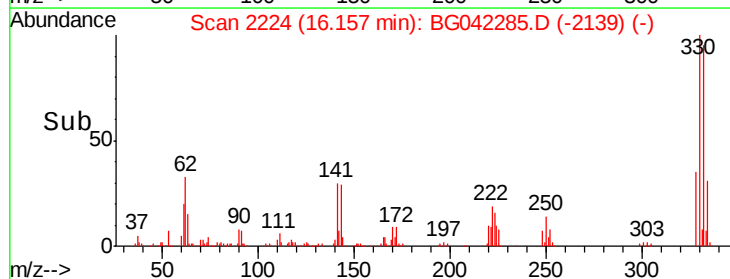
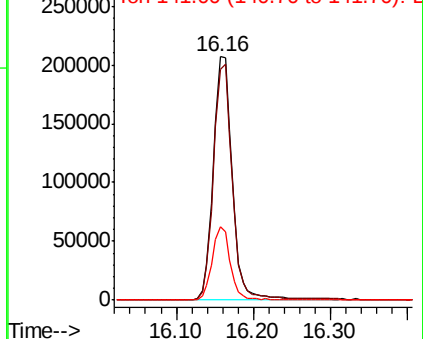
141 28.7 31.9 47.9#

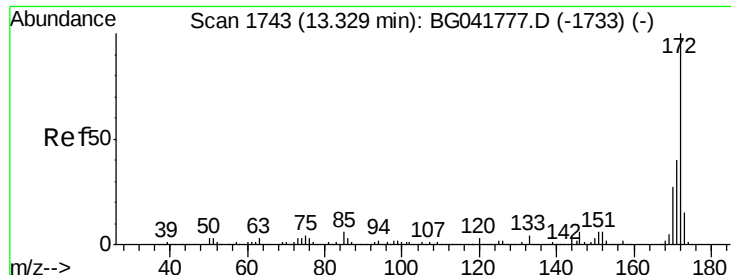


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

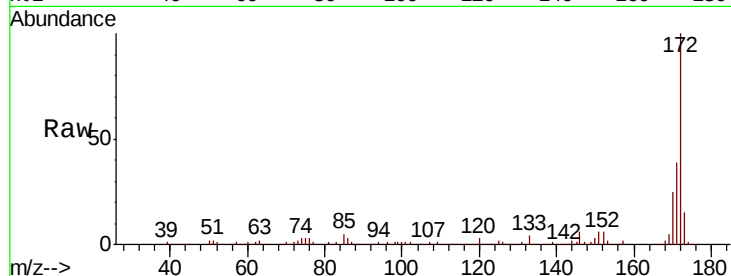




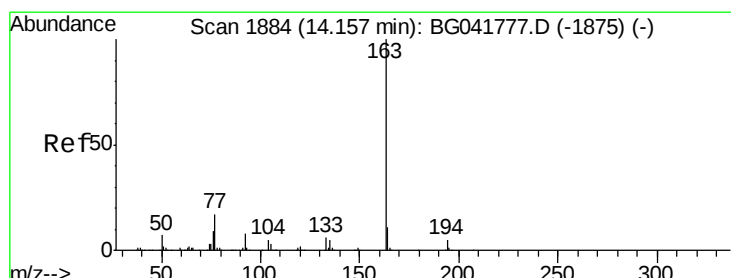
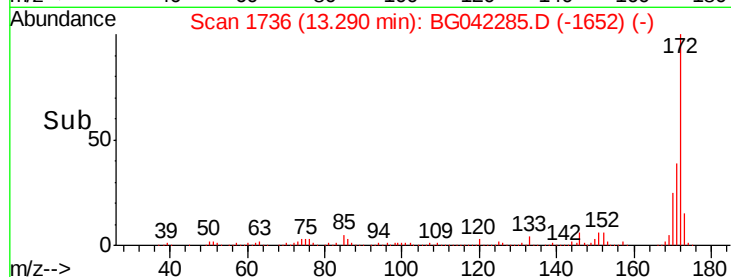
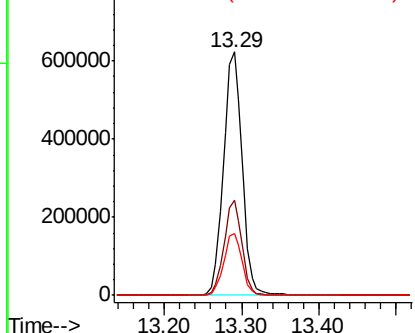
#45
 2-Fluorobiphenyl
 Concen: 108.654 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042285.D
 Acq: 17 Aug 2019 11:37

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:172 Resp: 1048356
 Ion Ratio Lower Upper
 172 100
 171 38.9 35.0 52.4
 170 25.3 23.5 35.3

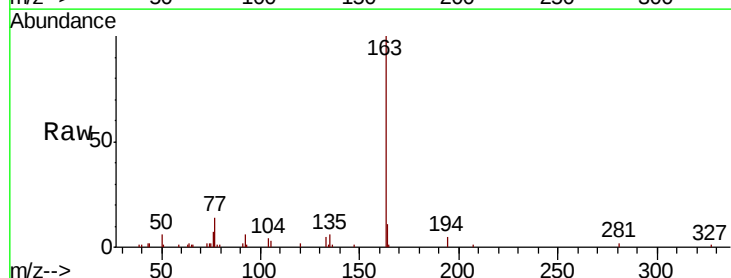


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

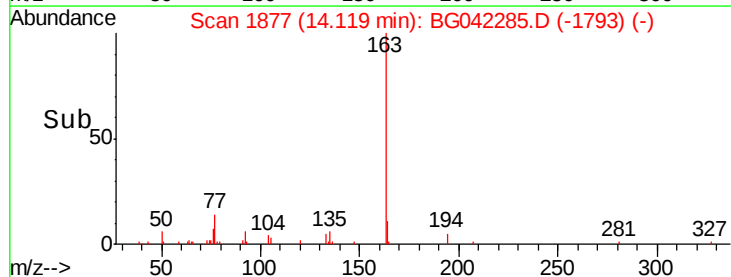
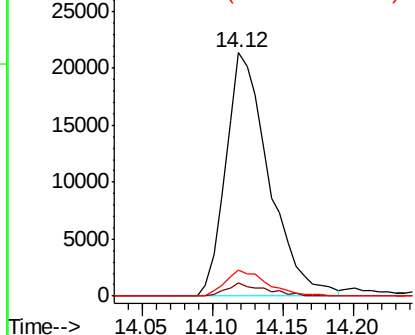


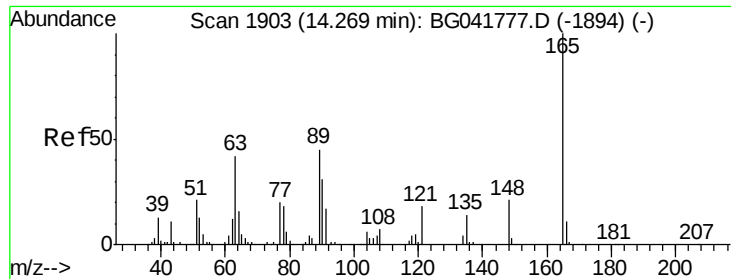
#50
 Dimethylphthalate
 Concen: 3.914 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. -0.04 min
 Lab File: BG042285.D
 Acq: 17 Aug 2019 11:37

Tgt Ion:163 Resp: 45493
 Ion Ratio Lower Upper
 163 100
 194 5.3 4.2 6.2
 164 10.8 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

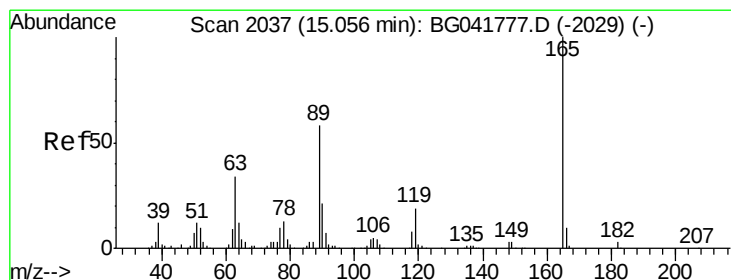
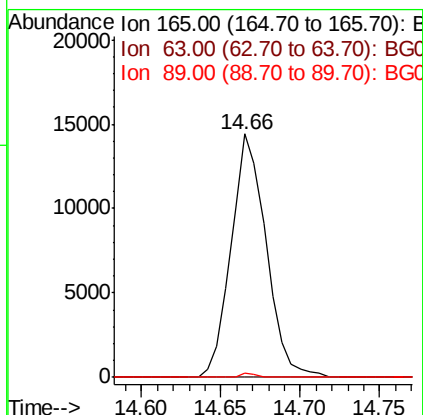
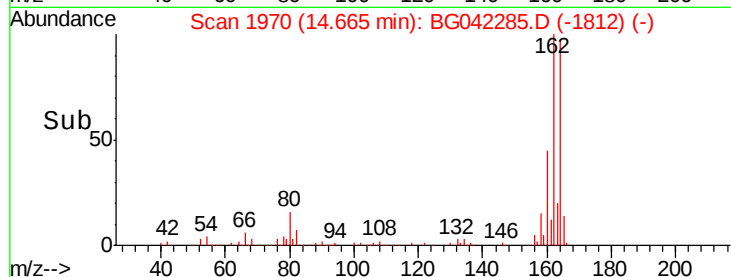
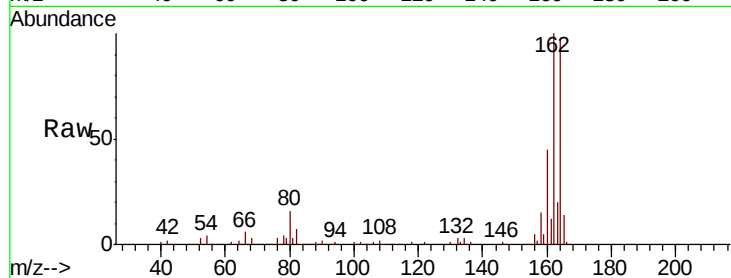




#51
 2,6-Dinitrotoluene
 Concen: 9.084 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG042285.D
 Acq: 17 Aug 2019 11:37

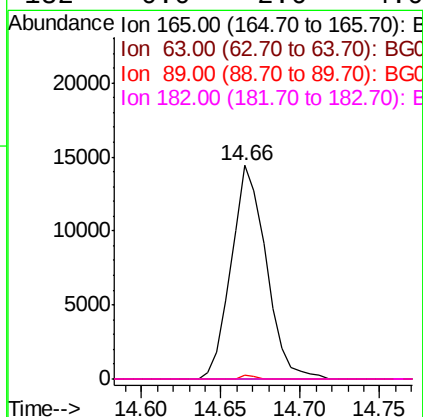
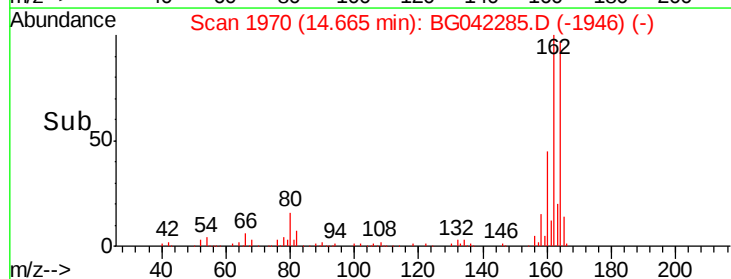
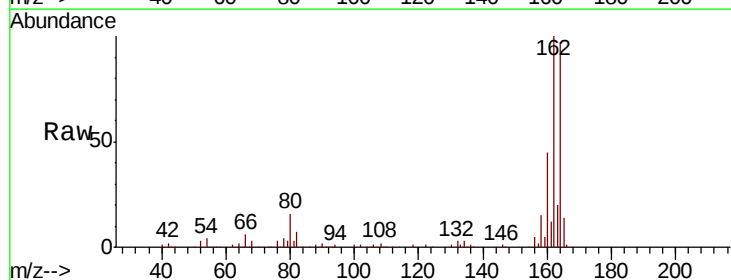
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

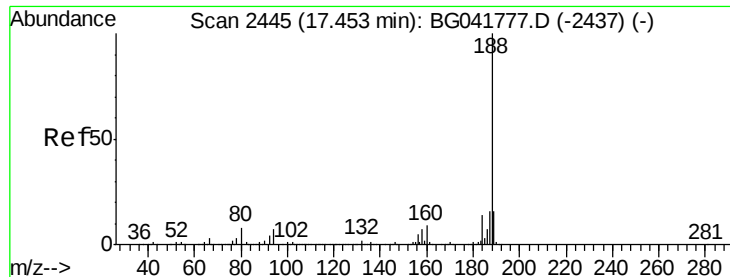
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.4	63.6#
89	1.7	42.1	63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.606 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.39 min
 Lab File: BG042285.D
 Acq: 17 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.7	50.2	75.4#
182	0.0	2.6	4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

Instrument :

BNA_G

ClientSampleId :

TP-4

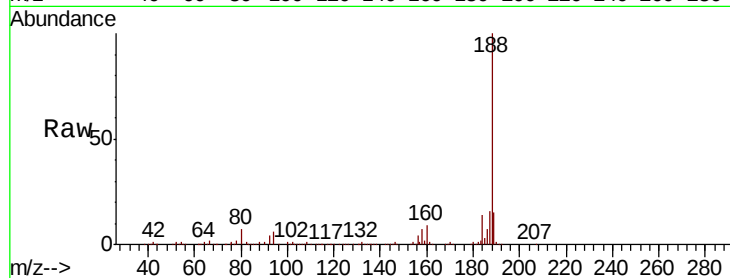
Tgt Ion:188 Resp: 410317

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

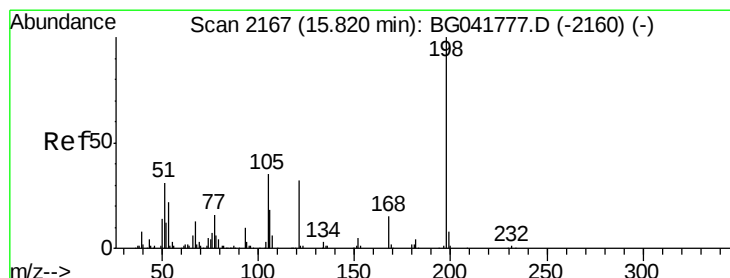
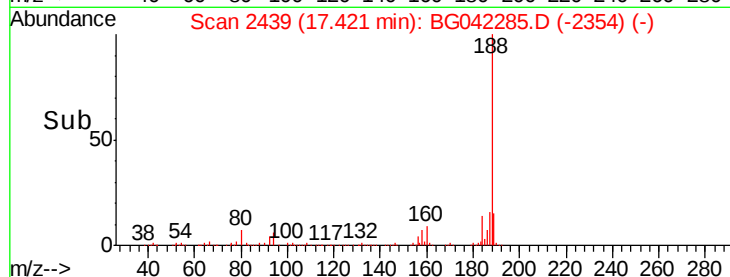
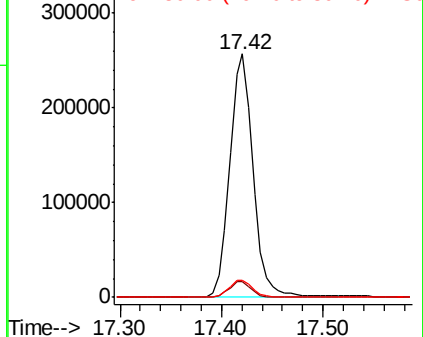
80 6.9 8.0 12.0#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.175 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.34 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

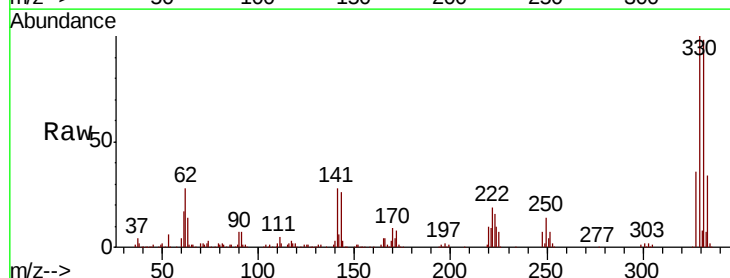
Tgt Ion:198 Resp: 757

Ion Ratio Lower Upper

198 100

51 65.6 22.3 62.3#

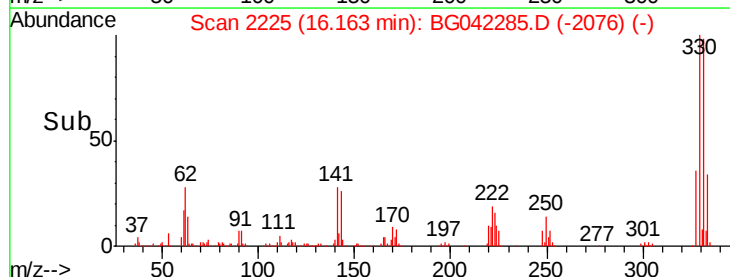
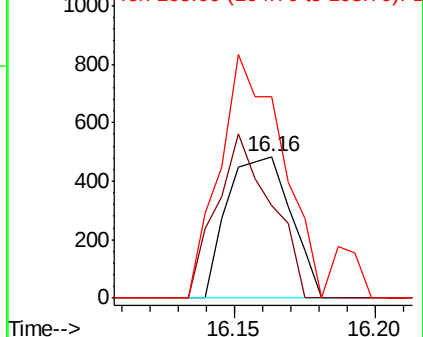
105 142.3 18.0 58.0#

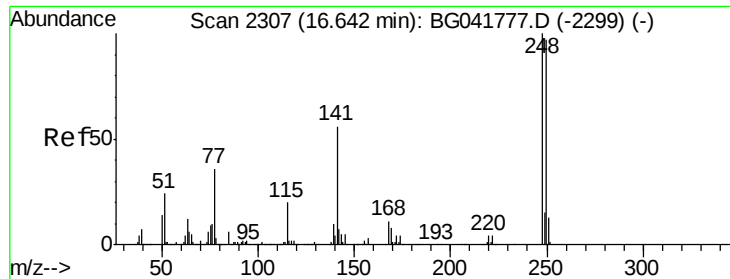


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

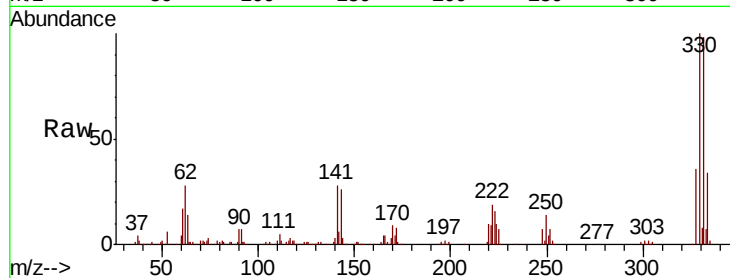




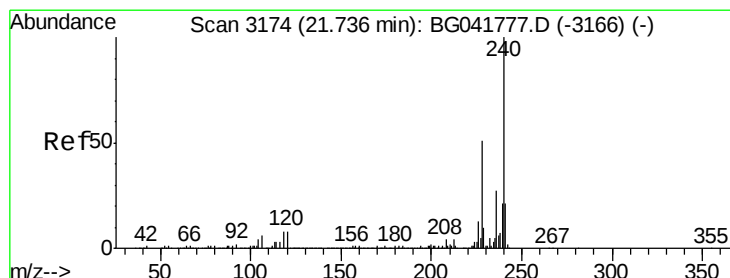
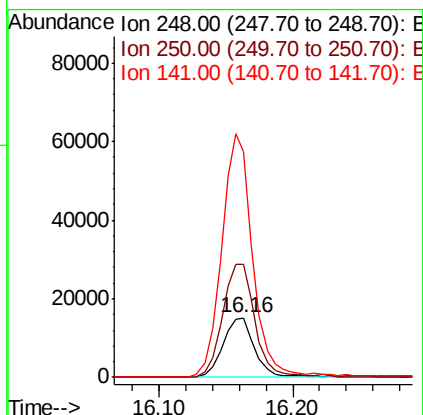
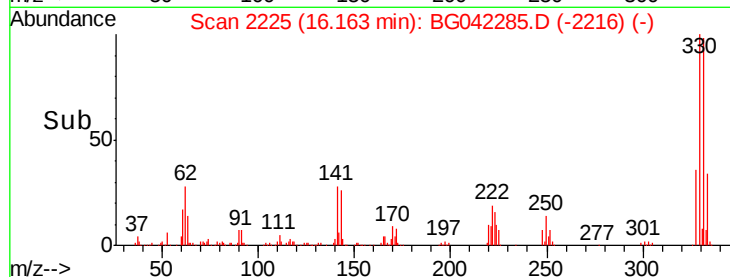
#67
 4-Bromophenyl-phenylether
 Concen: 4.947 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.48 min
 Lab File: BG042285.D
 Acq: 17 Aug 2019 11:37

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:248 Resp: 25004
 Ion Ratio Lower Upper
 248 100
 250 190.8 78.1 117.1#
 141 381.3 49.6 74.4#

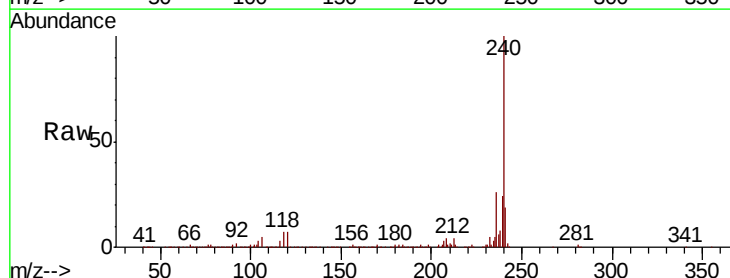


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

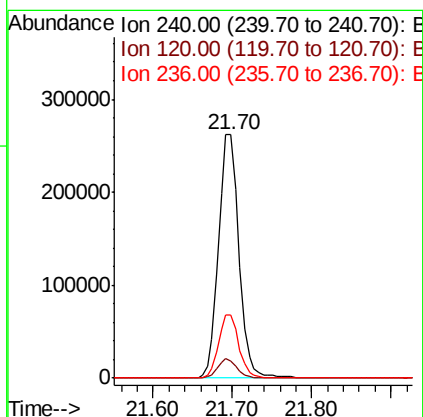
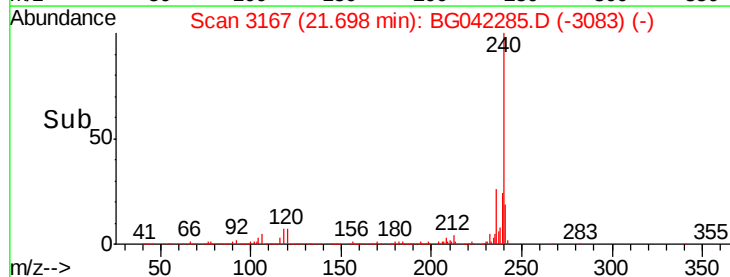


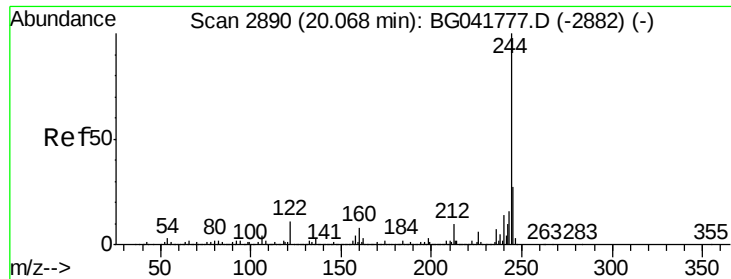
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042285.D
 Acq: 17 Aug 2019 11:37

Tgt Ion:240 Resp: 467818
 Ion Ratio Lower Upper
 240 100
 120 7.1 8.0 12.0#
 236 26.0 22.6 33.8



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: 97.245 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

Instrument :

BNA_G

ClientSampleId :

TP-4

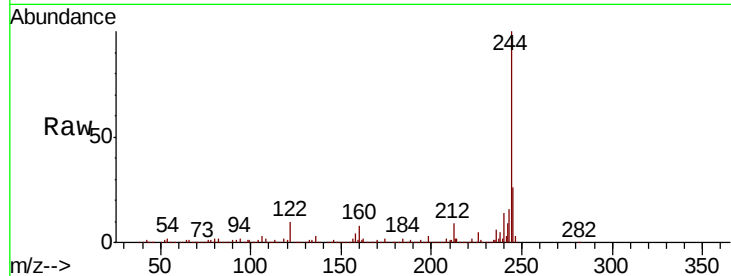
Tgt Ion:244 Resp: 1988097

Ion Ratio Lower Upper

244 100

212 8.9 9.7 14.5#

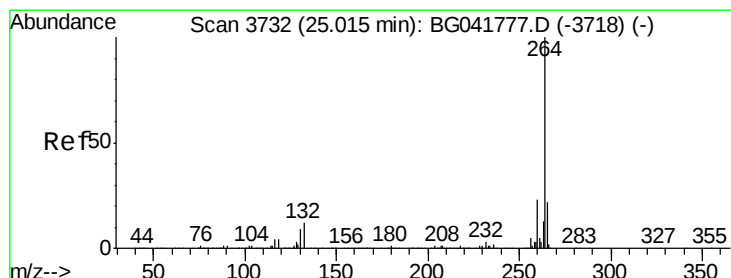
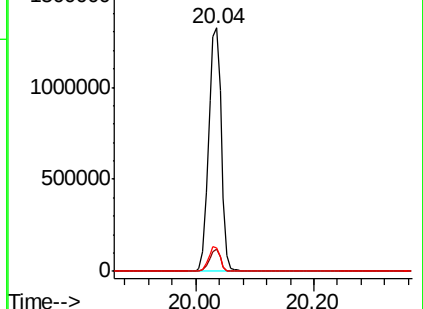
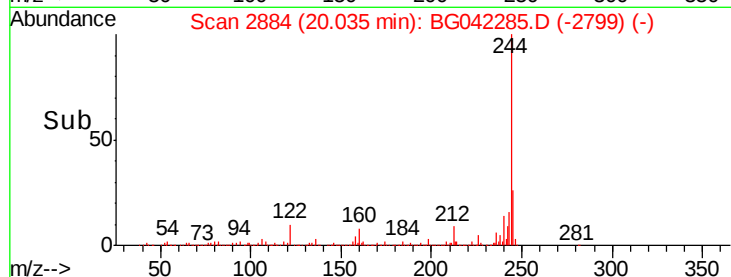
122 9.6 12.5 18.7#



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: 24.94 min Scan# 3719

Delta R.T. -0.07 min

Lab File: BG042285.D

Acq: 17 Aug 2019 11:37

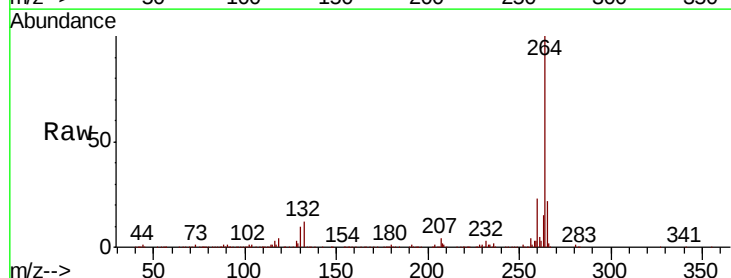
Tgt Ion:264 Resp: 501899

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

265 22.1 18.0 27.0



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

