

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040870.D
 Acq On : 11 May 2019 6:48
 Operator : HP/JU
 Sample : K2749-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TRS-2

Quant Time: May 12 02:31:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

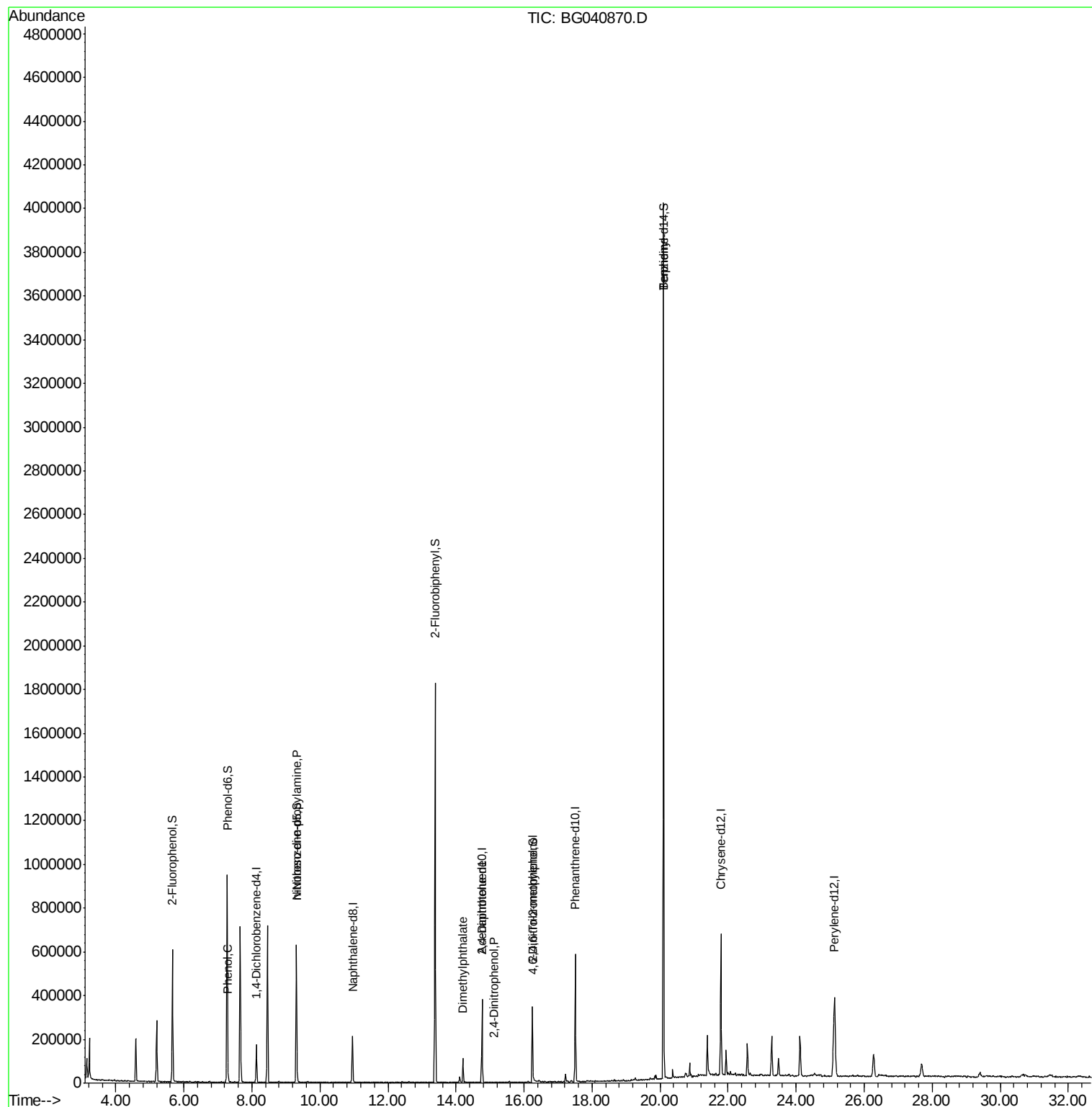
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	42923	20.00	ng	-0.03
21) Naphthalene-d8	10.95	136	174259	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	133049	20.00	ng	-0.03
64) Phenanthrene-d10	17.50	188	365601	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	395211	20.00	ng	-0.04
87) Perylene-d12	25.13	264	408953	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	225790	92.73	ng	-0.02
7) Phenol-d6	7.27	99	494559	131.91	ng	-0.02
23) Nitrobenzene-d5	9.31	82	381548	101.17	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	71213	38.94	ng	-0.03
45) 2-Fluorobiphenyl	13.38	172	906800	98.43	ng	-0.03
79) Terphenyl-d14	20.10	244	1816940	101.85	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1278	Below Cal	Qvalue #	6
10) Phenol	7.30	94	11481	2.849 ng	#	90
19) n-Nitroso-di-n-propylamine	9.31	70	54849	16.252 ng	#	69
50) Dimethylphthalate	14.20	163	73332	6.588 ng	#	97
54) 2,4-Dinitrophenol	15.11	184	56	7.056 ng	#	35
57) 2,4-Dinitrotoluene	14.76	165	16152	5.471 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.26	198	94	7.146 ng	#	28
77) Benzydine	20.10	184	32299	2.985 ng	#	93

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

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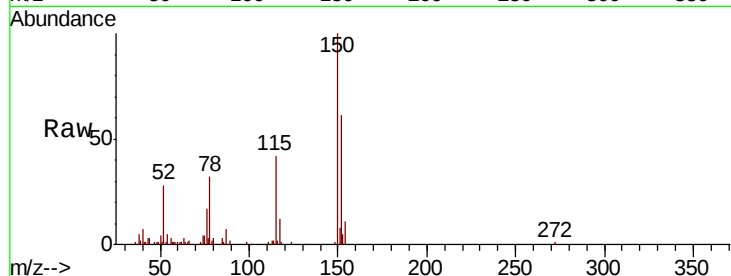


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040870.D
Acq: 11 May 2019 6:48

Instrument :
BNA_G
ClientSampleId :
TRS-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.5	120.2	180.2
115	69.2	46.2	69.2

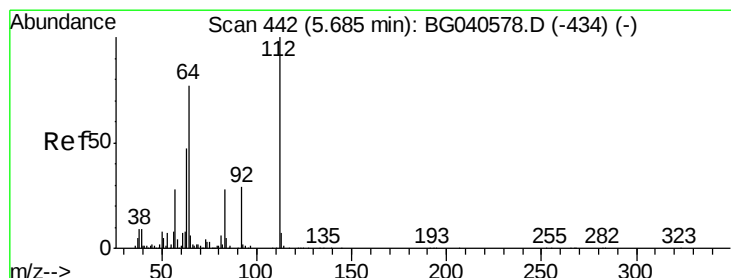
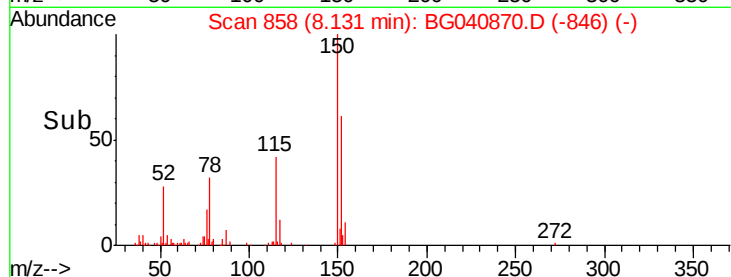
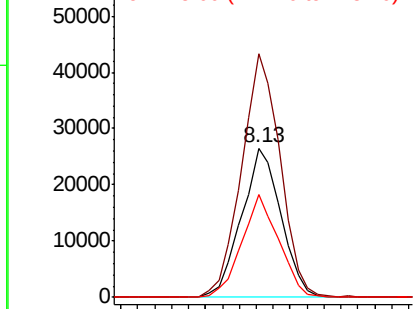


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

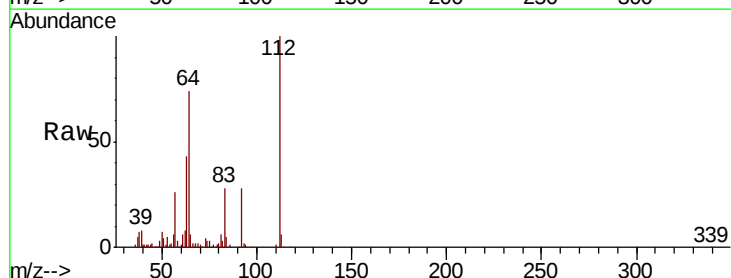
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.728 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040870.D
Acq: 11 May 2019 6:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	61.4	92.0
63	43.3	37.8	56.6

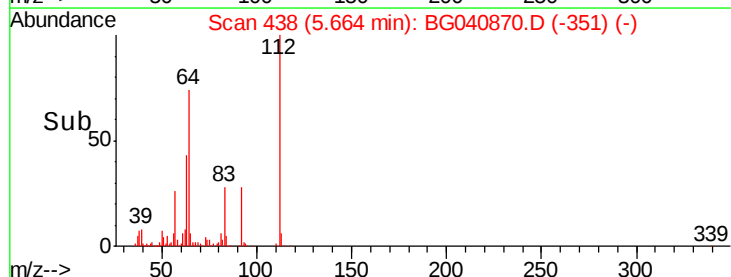
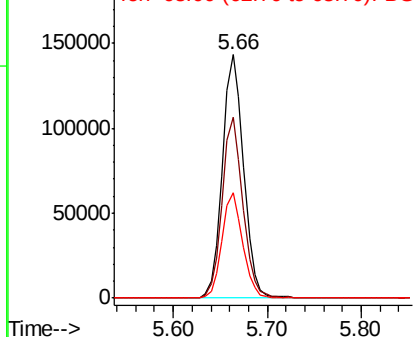


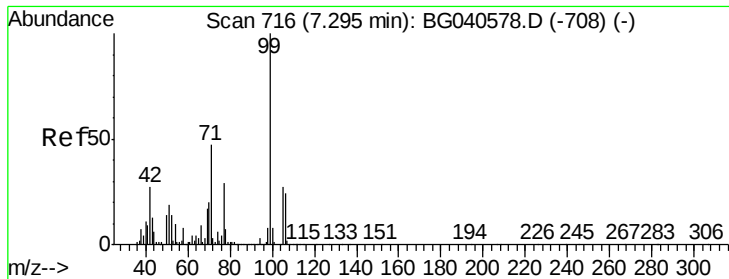
Abundance

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: 131.911 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

Instrument :

BNA_G

ClientSampleId :

TRS-2

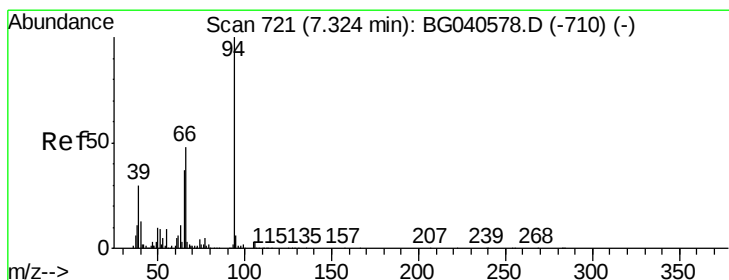
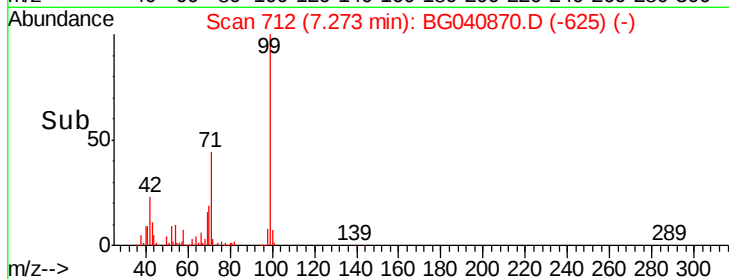
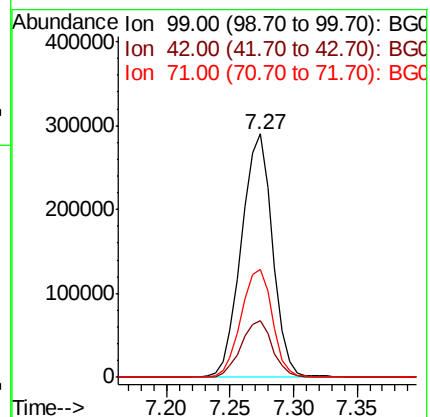
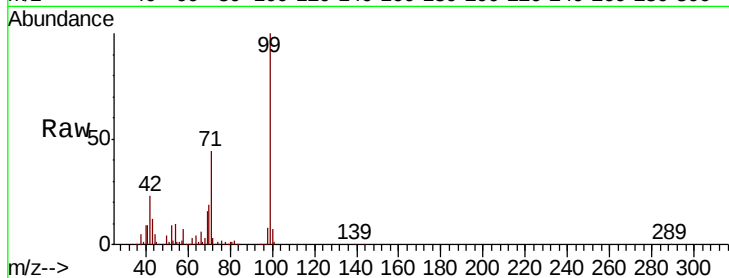
Tgt Ion: 99 Resp: 494559

Ion Ratio Lower Upper

99 100

42 23.1 21.8 32.8

71 44.3 38.6 57.8



#10

Phenol

Concen: 2.849 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.03 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

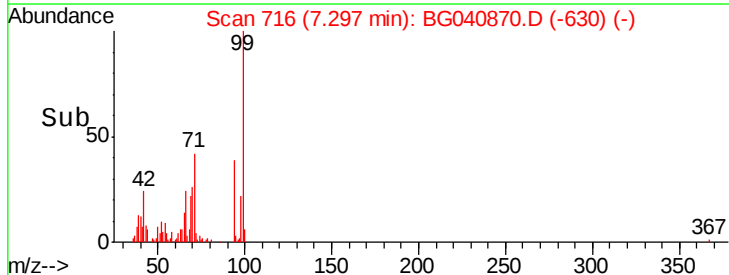
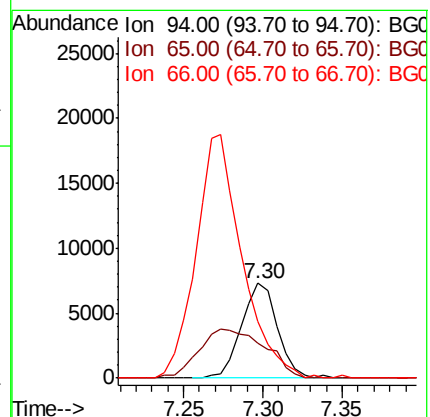
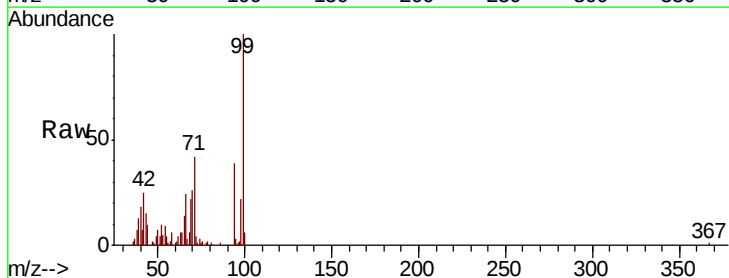
Tgt Ion: 94 Resp: 11481

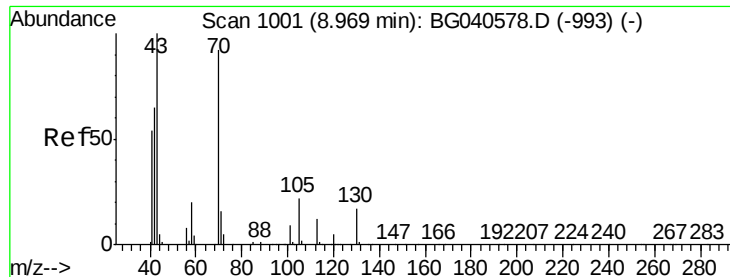
Ion Ratio Lower Upper

94 100

65 36.3 17.0 57.0

66 60.1 28.6 68.6

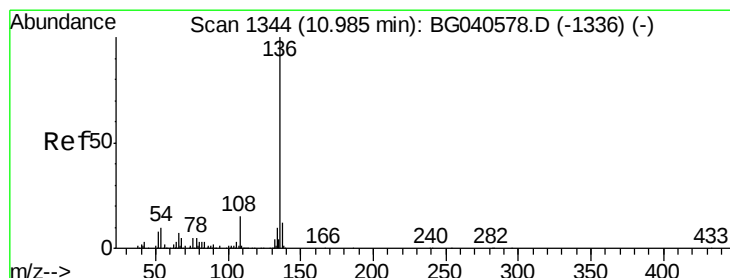
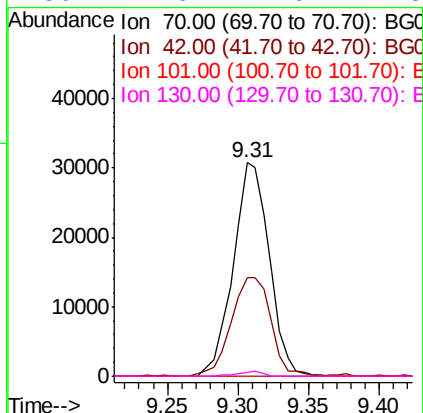
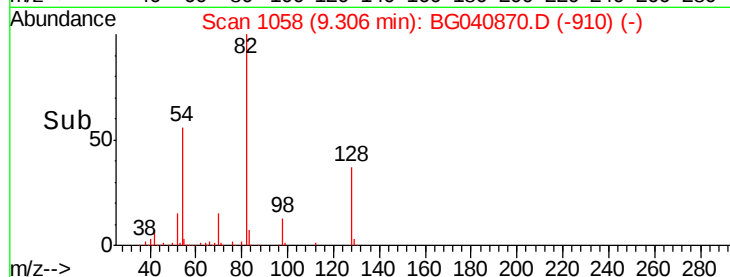
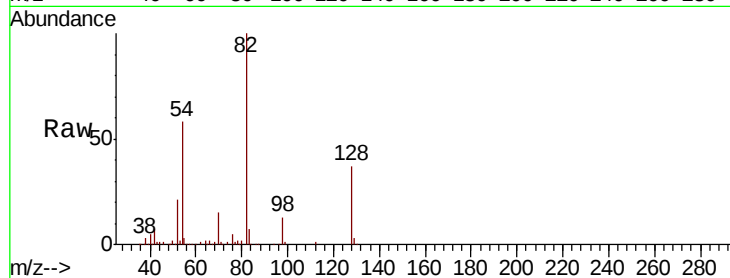




#19
n-Nitroso-di-n-propylamine
Concen: 16.252 ng
RT: 9.31 min Scan# 1058
Delta R.T. 0.34 min
Lab File: BG040870.D
Acq: 11 May 2019 6:48

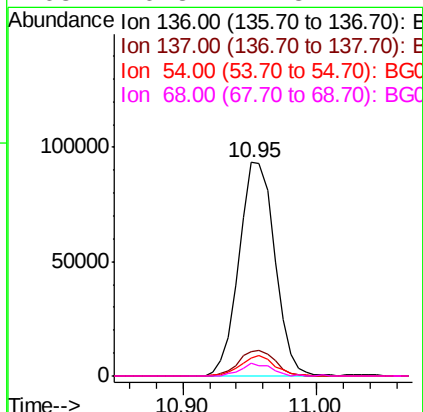
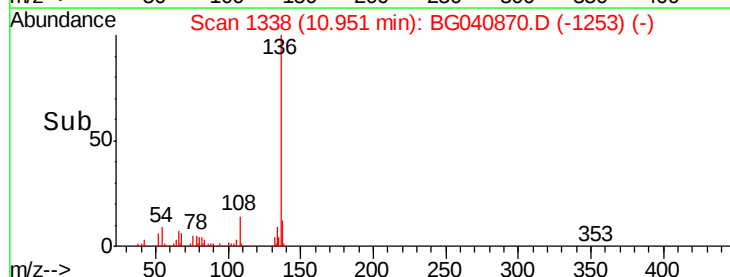
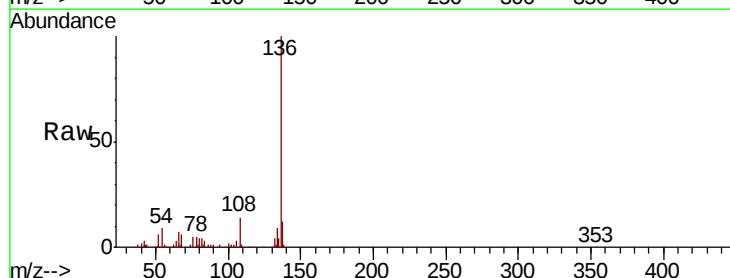
Instrument :
BNA_G
ClientSampleId :
TRS-2

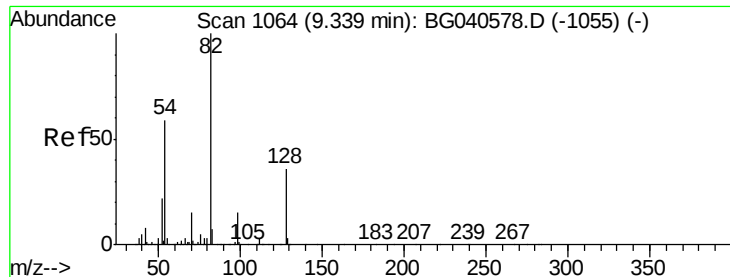
Tgt Ion: 70 Resp: 54849
Ion Ratio Lower Upper
70 100
42 46.3 57.1 85.7#
101 0.0 7.8 11.8#
130 1.6 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.03 min
Lab File: BG040870.D
Acq: 11 May 2019 6:48

Tgt Ion: 136 Resp: 174259
Ion Ratio Lower Upper
136 100
137 11.6 9.7 14.5
54 8.7 8.6 12.8
68 6.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 101.171 ng

RT: 9.31 min Scan# 1059

Delta R.T. -0.03 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

Instrument :

BNA_G

ClientSampleId :

TRS-2

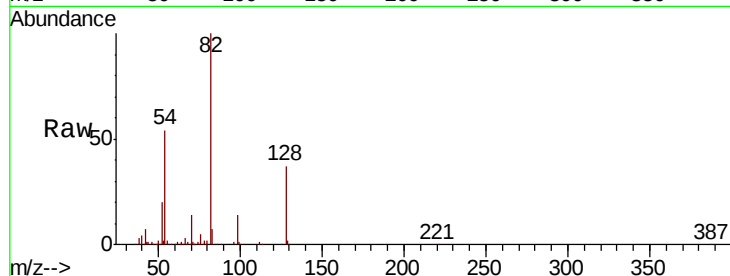
Tgt Ion: 82 Resp: 381548

Ion Ratio Lower Upper

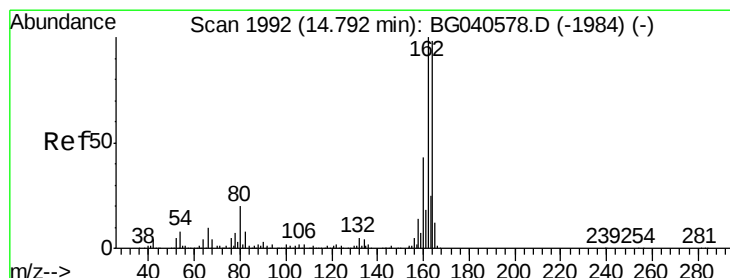
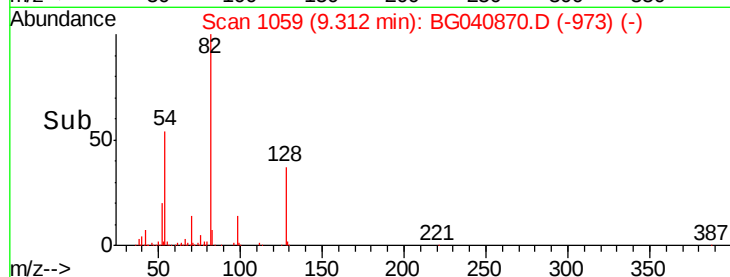
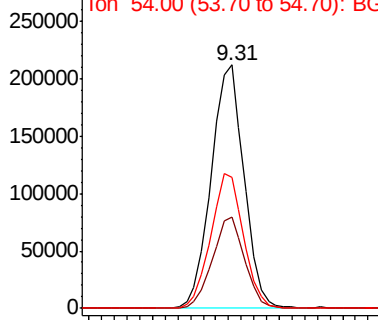
82 100

128 37.4 28.9 43.3

54 53.9 47.2 70.8



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: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

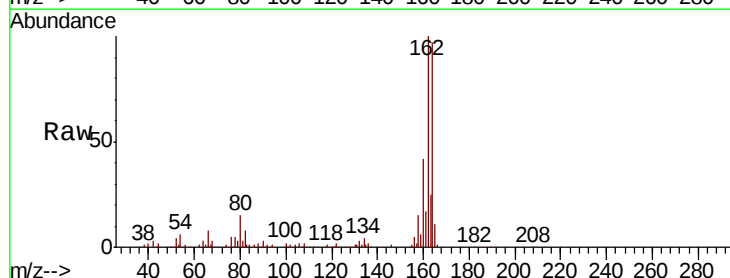
Tgt Ion: 164 Resp: 133049

Ion Ratio Lower Upper

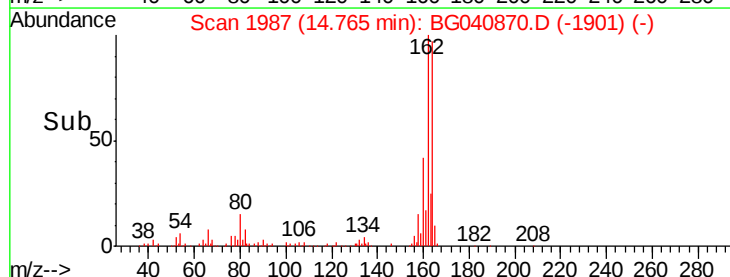
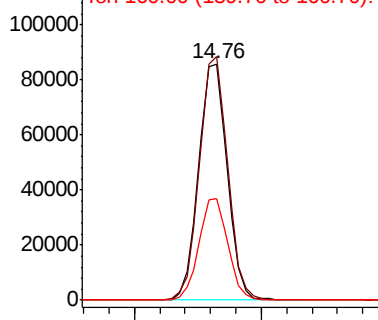
164 100

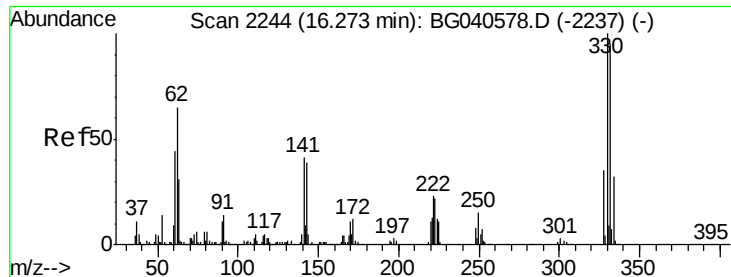
162 103.0 81.9 122.9

160 43.0 35.4 53.2



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

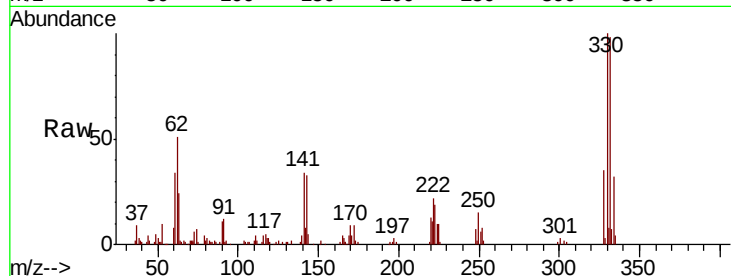




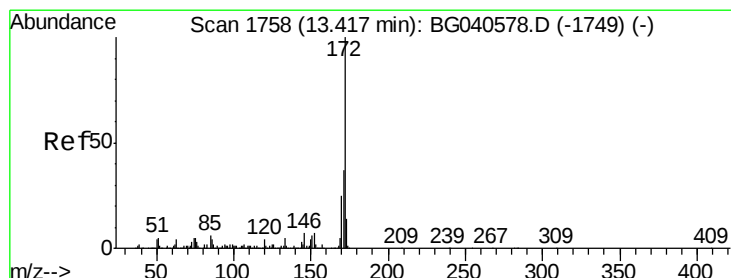
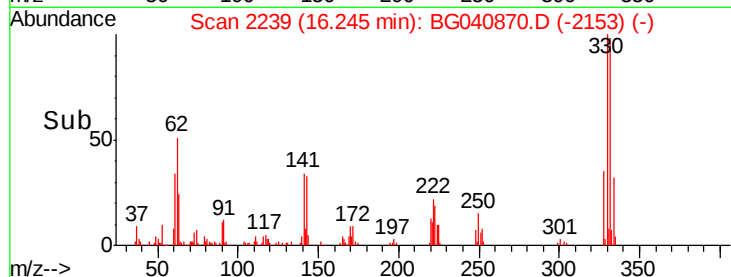
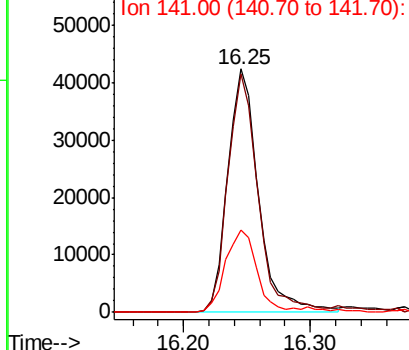
#42
 2,4,6-Tribromophenol
 Concen: 38.940 ng
 RT: 16.25 min Scan# 2239
 Delta R.T. -0.03 min
 Lab File: BG040870.D
 Acq: 11 May 2019 6:48

Instrument :
 BNA_G
 ClientSampled :
 TRS-2

Tgt Ion:330 Resp: 71213
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.9 113.9
 141 34.6 32.4 48.6

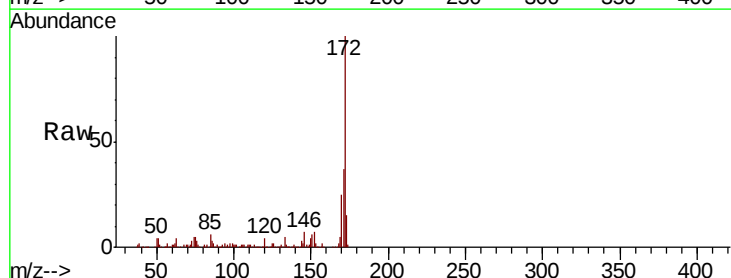


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

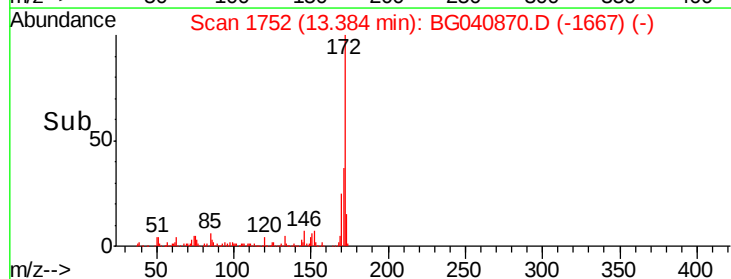
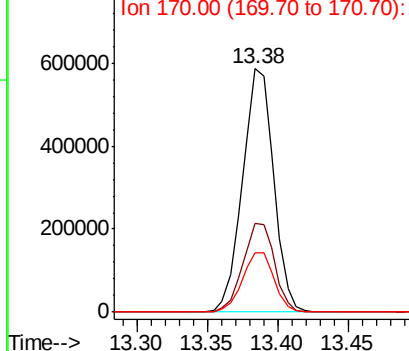


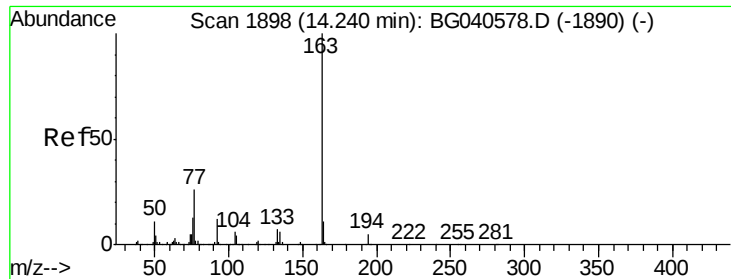
#45
 2-Fluorobiphenyl
 Concen: 98.430 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.03 min
 Lab File: BG040870.D
 Acq: 11 May 2019 6:48

Tgt Ion:172 Resp: 906800
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.6 19.9 29.9



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: 6.588 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.04 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

Instrument :

BNA_G

ClientSampleId :

TRS-2

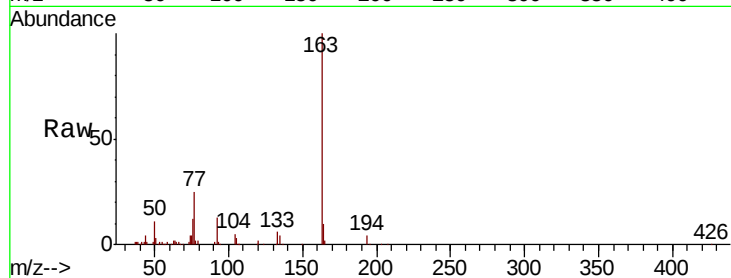
Tgt Ion:163 Resp: 73332

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.8#

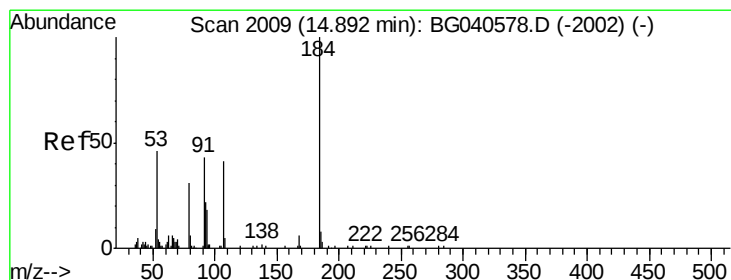
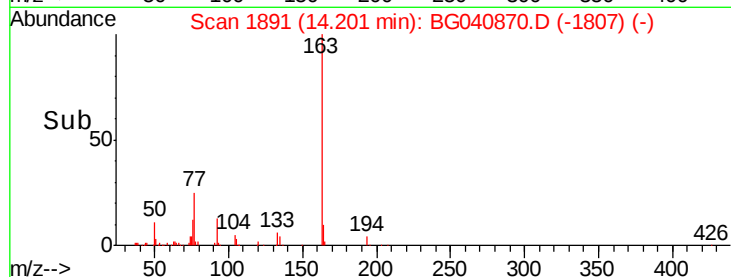
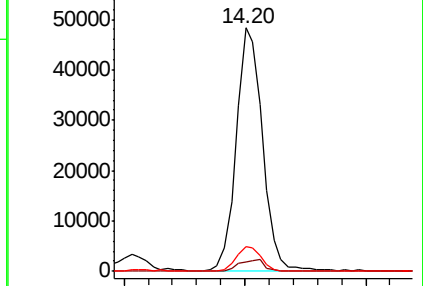
164 10.1 8.8 13.2



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



#54

2,4-Dinitrophenol

Concen: 7.056 ng

RT: 15.11 min Scan# 2046

Delta R.T. 0.22 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

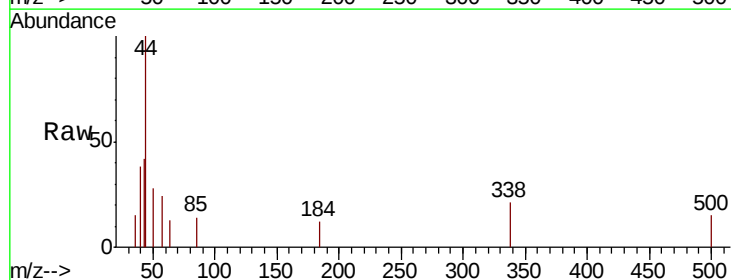
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 108.7 51.8 77.6#

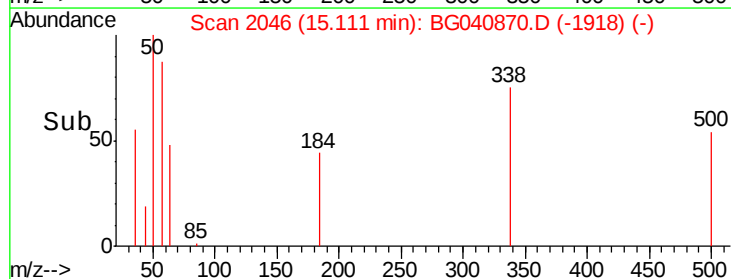
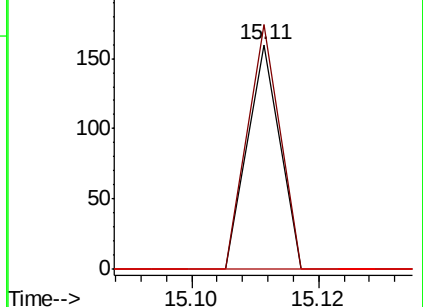
154 0.0 43.6 65.4#

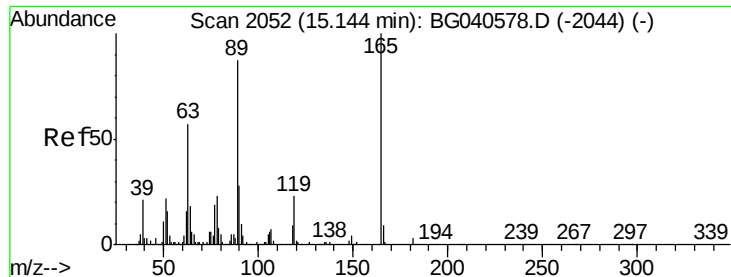


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

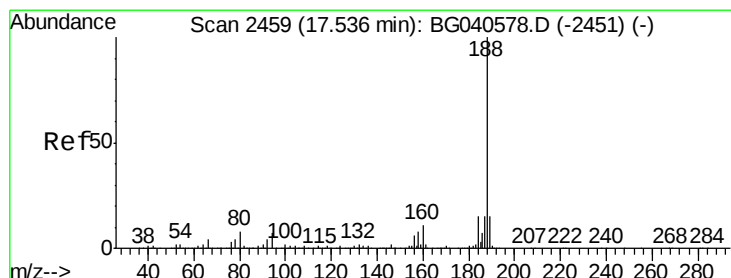
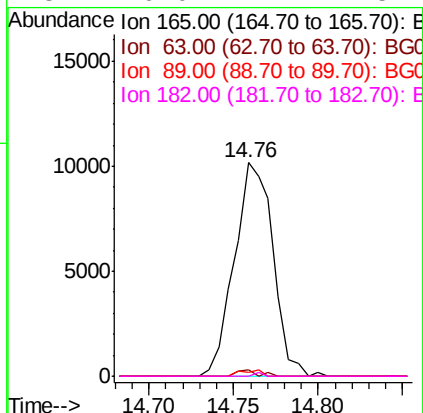
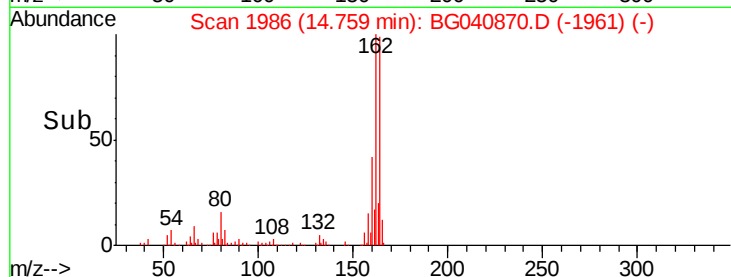
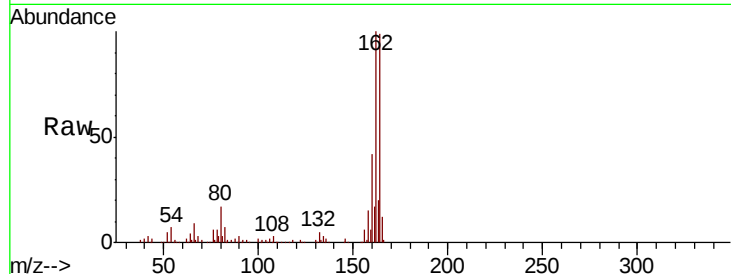




#57
 2,4-Dinitrotoluene
 Concen: 5.471 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.39 min
 Lab File: BG040870.D
 Acq: 11 May 2019 6:48

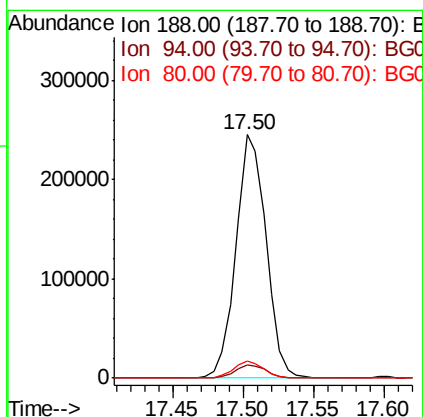
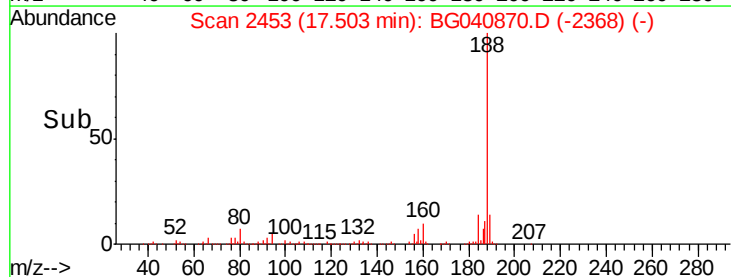
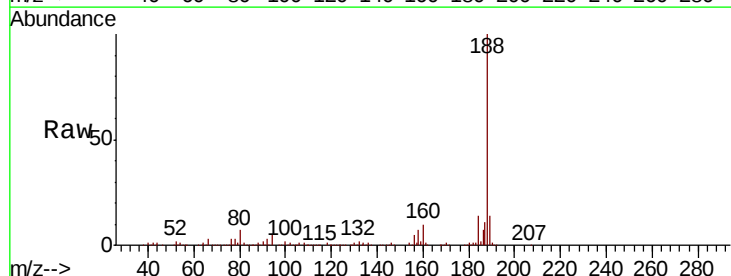
Instrument :
 BNA_G
 ClientSampleId :
 TRS-2

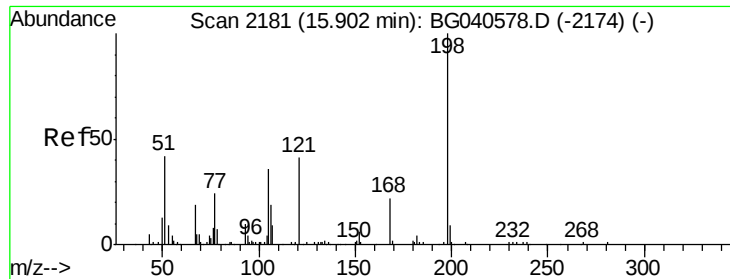
Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	45.8	68.8#
89	1.7	69.4	104.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2453
 Delta R.T. -0.03 min
 Lab File: BG040870.D
 Acq: 11 May 2019 6:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	5.6	8.4#
80	6.9	6.4	9.6

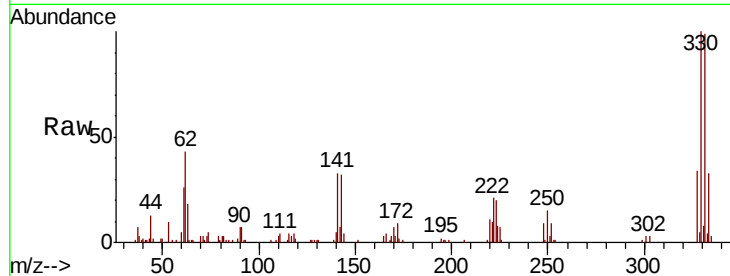




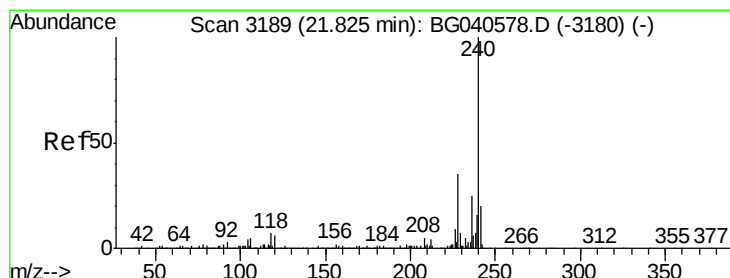
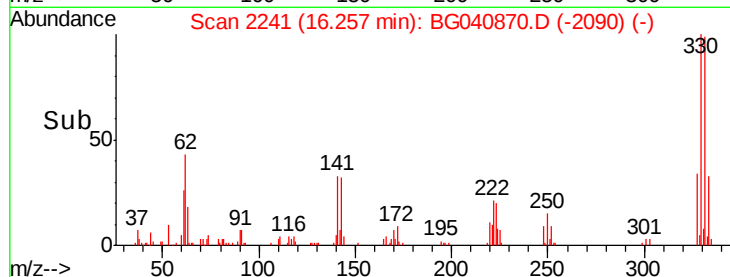
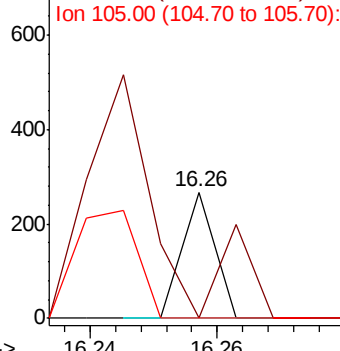
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.146 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. 0.36 min
 Lab File: BG040870.D
 Acq: 11 May 2019 6:48

Instrument :
 BNA_G
 ClientSampleId :
 TRS-2

Tgt Ion:198 Resp: 94
 Ion Ratio Lower Upper
 198 100
 51 0.0 35.9 75.9#
 105 0.0 21.2 61.2#

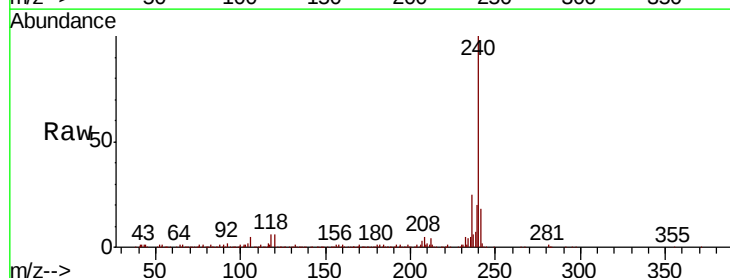


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

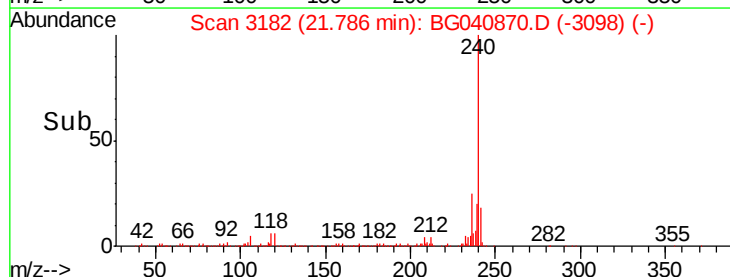
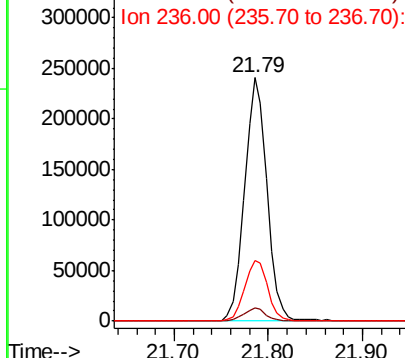


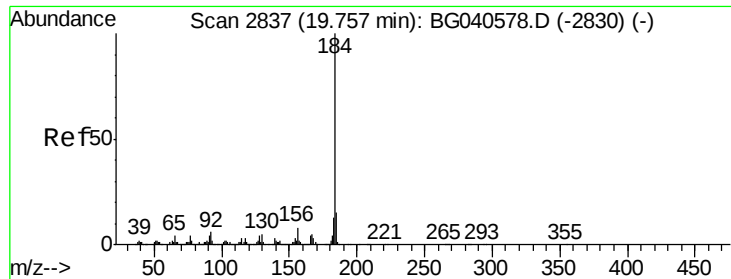
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040870.D
 Acq: 11 May 2019 6:48

Tgt Ion:240 Resp: 395211
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.0 7.6
 236 25.1 20.3 30.5



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: 2.985 ng

RT: 20.10 min Scan# 2895

Delta R.T. 0.34 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

Instrument :

BNA_G

ClientSampleId :

TRS-2

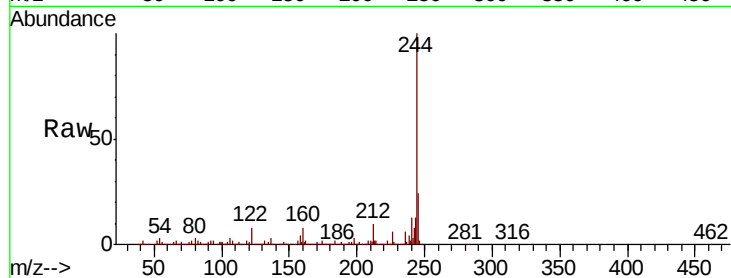
Tgt Ion:184 Resp: 32299

Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.8

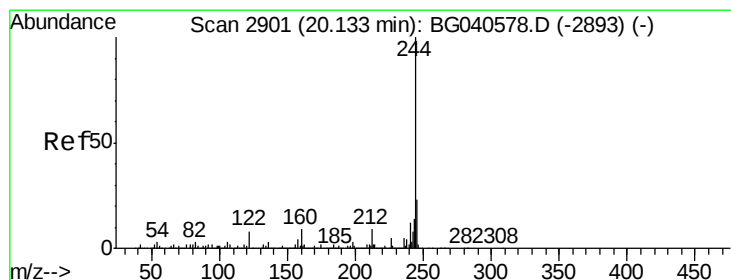
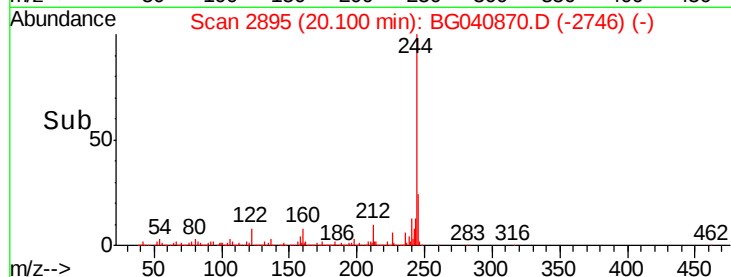
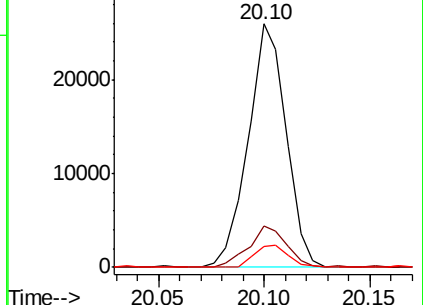
183 8.6 10.2 15.2#



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: 101.852 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040870.D

Acq: 11 May 2019 6:48

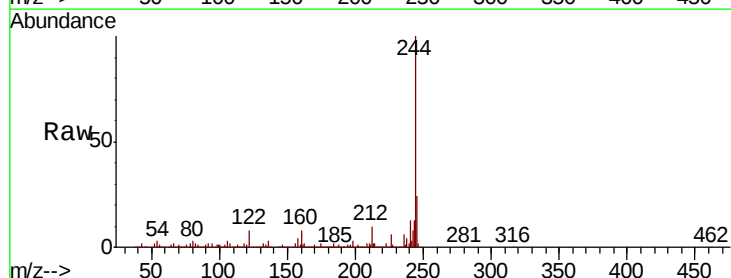
Tgt Ion:244 Resp: 1816940

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

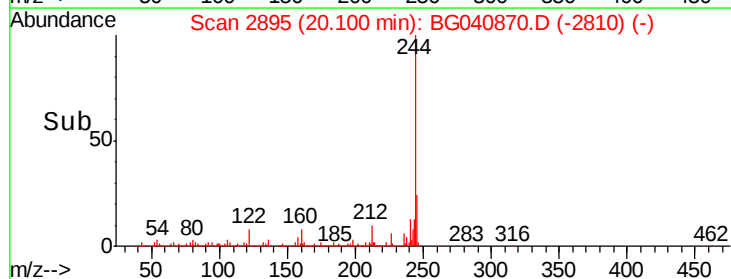
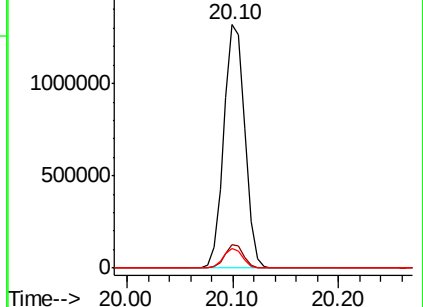
122 8.2 6.6 10.0



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: 25.13 min Scan# 3752
Delta R.T. -0.07 min
Lab File: BG040870.D
Acq: 11 May 2019 6:48

Instrument :
BNA_G
ClientSampleId :
TRS-2

Tgt Ion:	264	Resp:	408953
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.3	16.6	25.0

