

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042965.D
 Acq On : 1 Oct 2019 6:24
 Operator : JU
 Sample : K4997-17RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:14:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

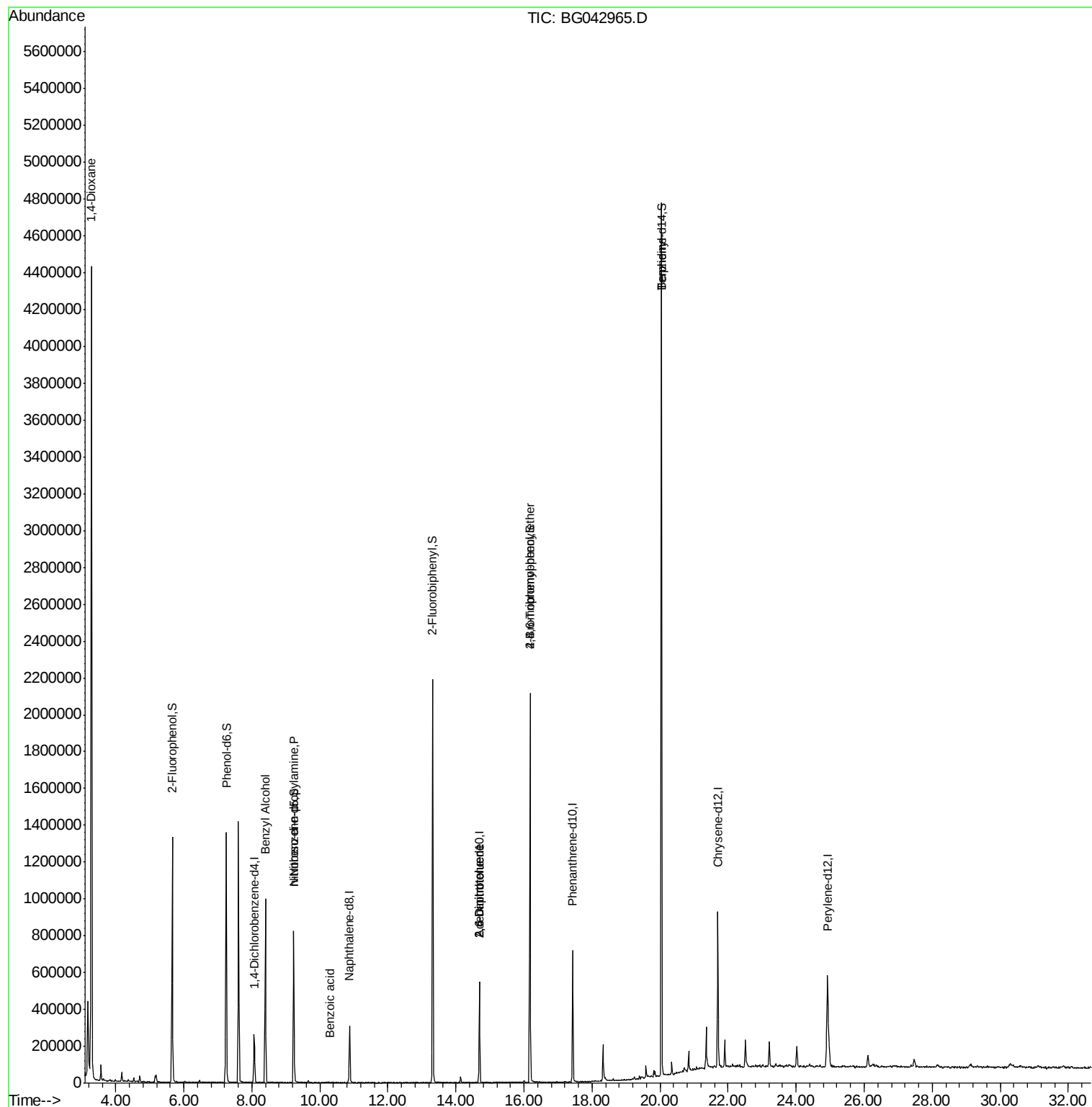
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	76319	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	268022	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	192698	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	461608	20.00	ng	-0.01
76) Chrysene-d12	21.70	240	513070	20.00	ng	-0.02
87) Perylene-d12	24.92	264	584476	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	556749	130.19	ng	0.00
7) Phenol-d6	7.24	99	767443	124.62	ng	0.00
23) Nitrobenzene-d5	9.23	82	506860	91.92	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	443718	133.91	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1182741	88.98	ng	-0.01
79) Terphenyl-d14	20.04	244	2228764	92.56	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	54573	30.608	ng	# 1
15) Benzyl Alcohol	8.40	79	9392	2.028	ng	# 56
19) n-Nitroso-di-n-propylamine	9.23	70	71536	17.690	ng	# 75
32) Benzoic acid	10.28	122	80	2.831	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	25392	8.258	ng	# 23
57) 2,4-Dinitrotoluene	14.69	165	25392	5.639	ng	# 26
67) 4-Bromophenyl-phenylether	16.18	248	29497	5.091	ng	# 1
77) Benzidine	20.04	184	37733	2.937	ng	# 94

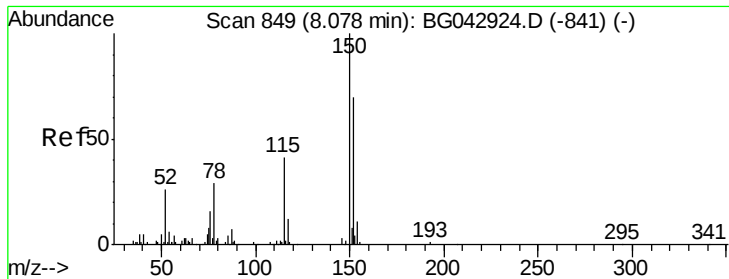
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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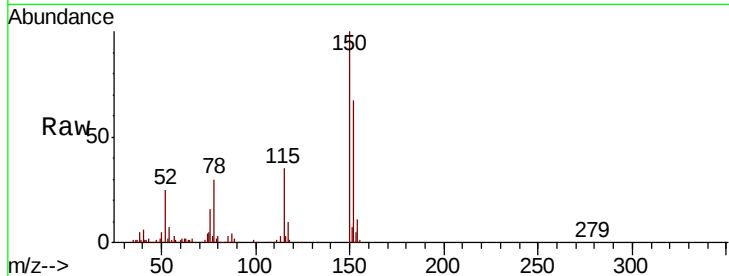


#1

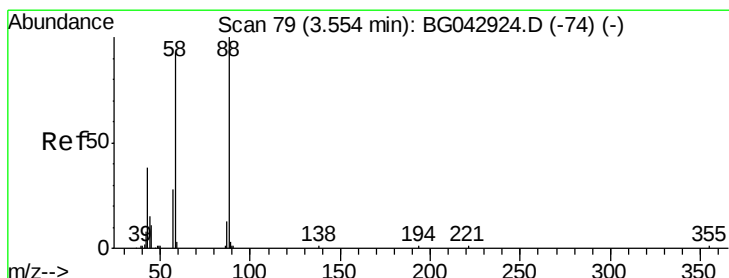
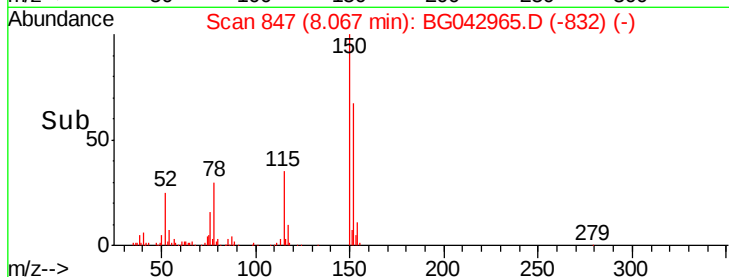
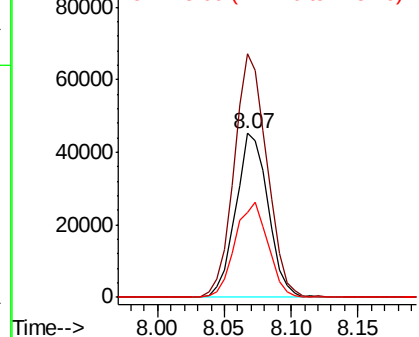
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG042965.D
Acq: 1 Oct 2019 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 76319
Ion Ratio Lower Upper
152 100
150 148.7 115.0 172.4
115 52.0 47.0 70.6



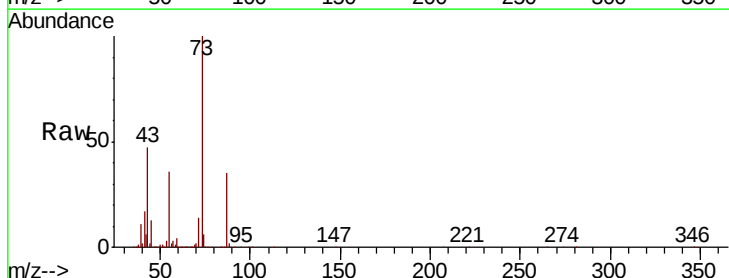
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



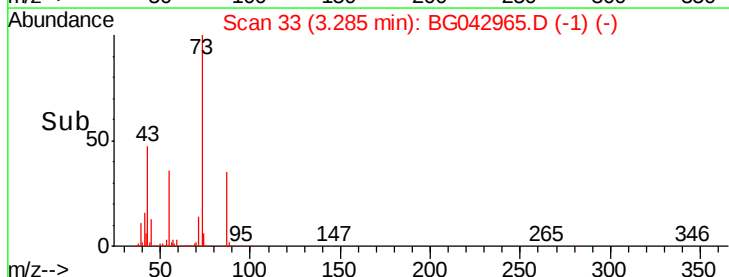
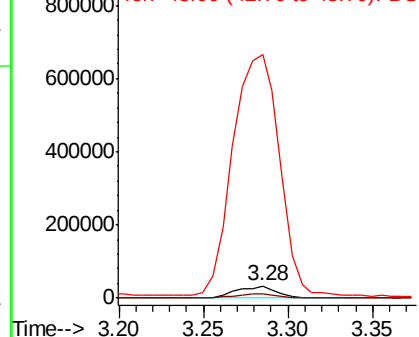
#2

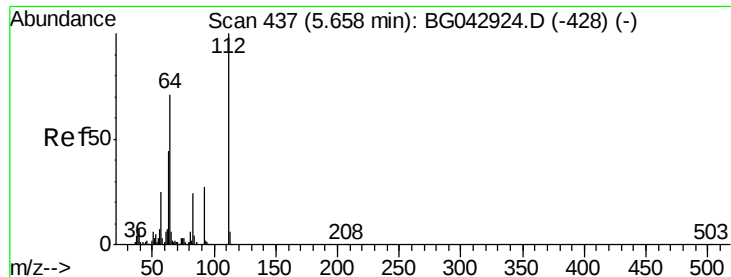
1,4-Dioxane
Concen: 30.608 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.27 min
Lab File: BG042965.D
Acq: 1 Oct 2019 6:24

Tgt Ion: 88 Resp: 54573
Ion Ratio Lower Upper
88 100
58 37.7 74.3 111.5#
43 2358.7 29.8 44.8#



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: 130.189 ng

RT: 5.66 min Scan# 437

Delta R.T. 0.00 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Instrument :

BNA_G

ClientSampleId :

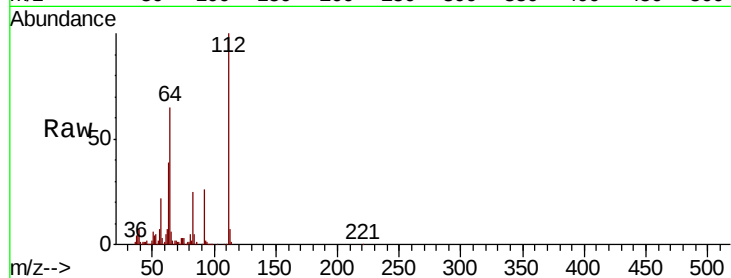
Tot Ion:112 Resp: 556749

Ion Ratio Lower Upper

112 100

64 65.4 56.6 84.8

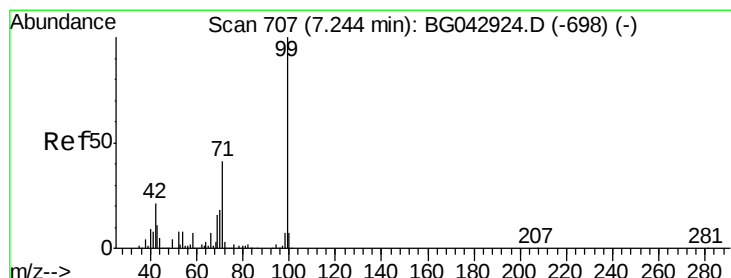
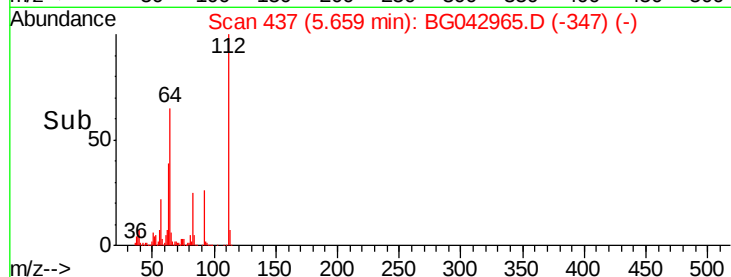
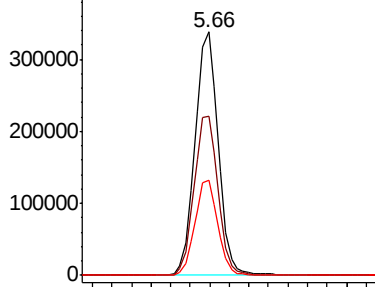
63 38.9 35.1 52.7



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: 124.618 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

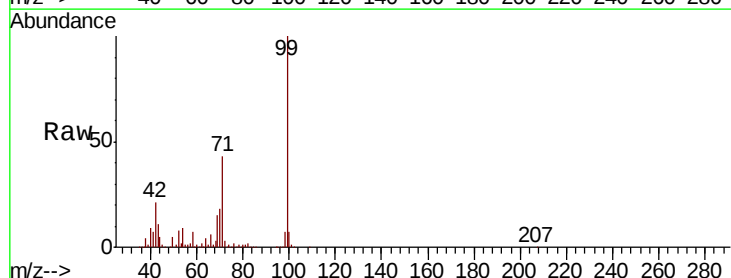
Tgt Ion: 99 Resp: 767443

Ion Ratio Lower Upper

99 100

42 20.8 17.2 25.8

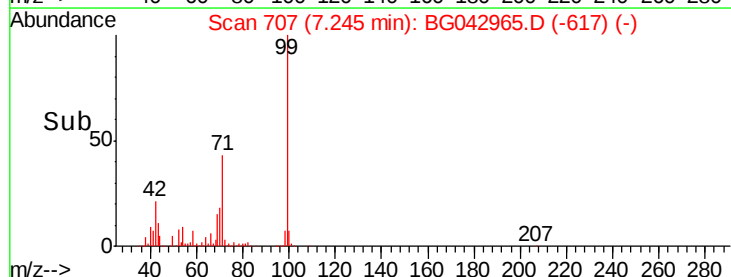
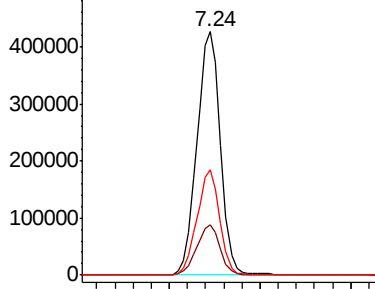
71 43.5 33.1 49.7

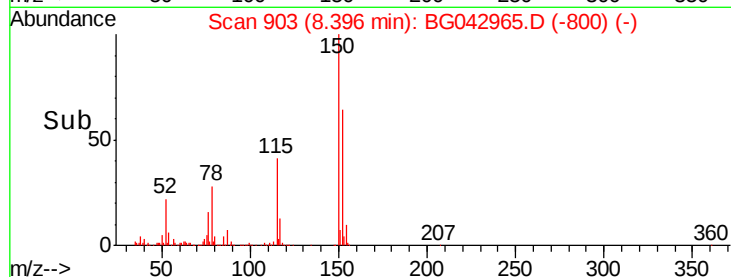
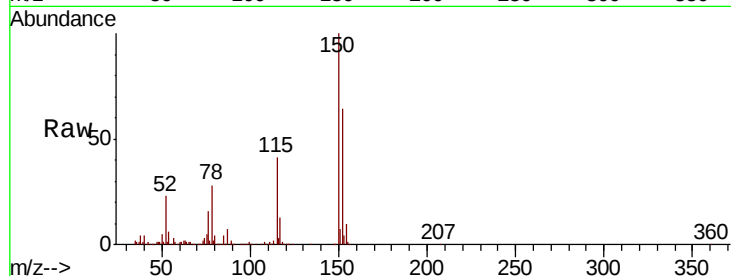
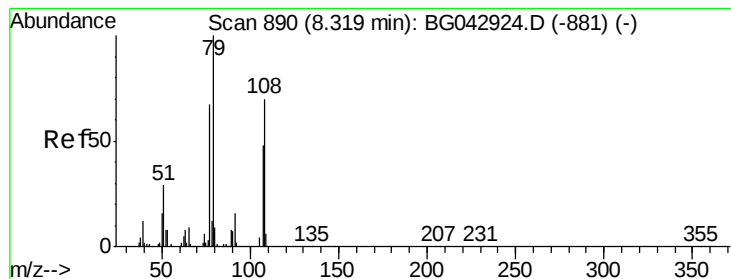


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.028 ng

RT: 8.40 min Scan# 903

Delta R.T. 0.08 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Instrument :

BNA_G

ClientSampleId :

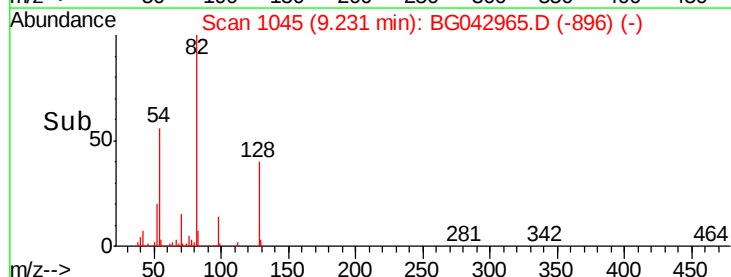
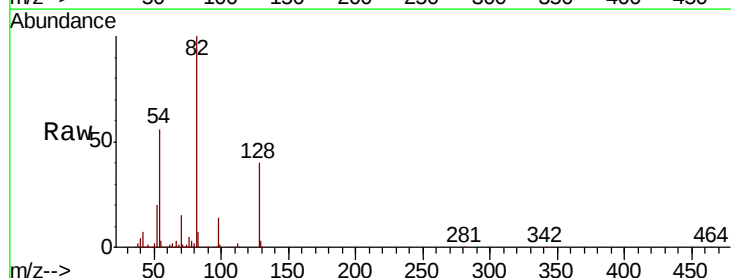
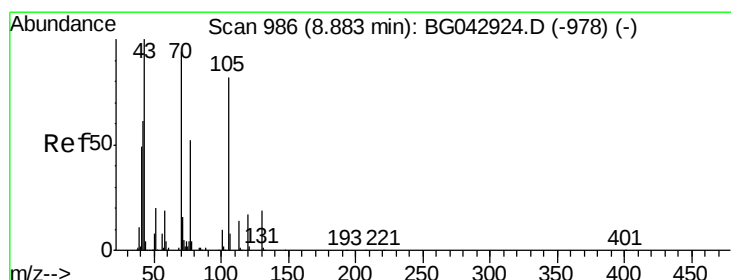
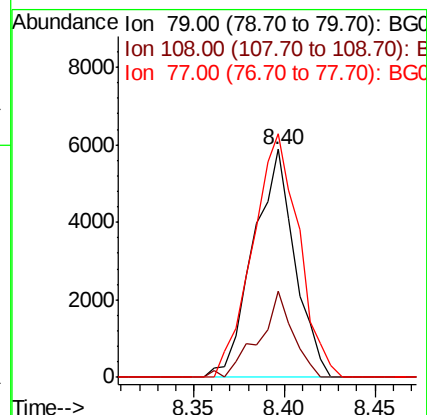
Tot Ion: 79 Resp: 9392

Ion Ratio Lower Upper

79 100

108 38.0 55.7 83.5#

77 106.8 53.3 79.9#



#19

n-Nitroso-di-n-propylamine

Concen: 17.690 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.35 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Tgt Ion: 70 Resp: 71536

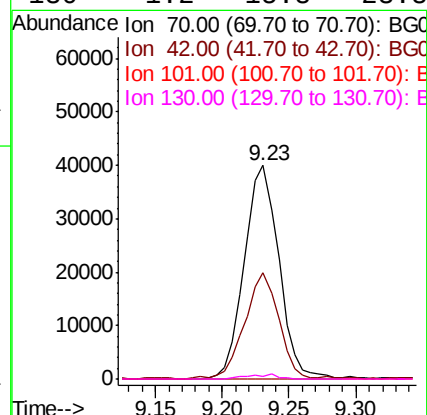
Ion Ratio Lower Upper

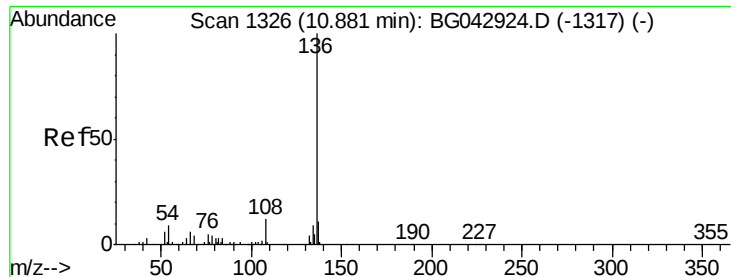
70 100

42 50.0 52.6 79.0#

101 0.0 8.7 13.1#

130 1.2 15.8 23.8#

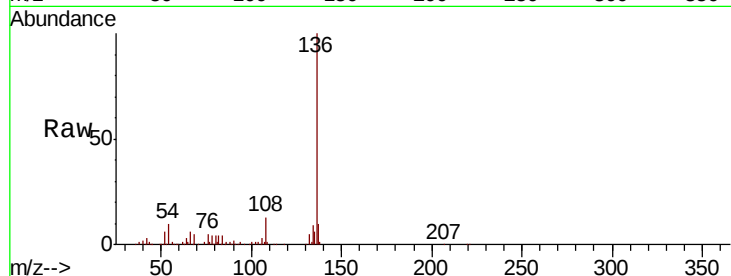




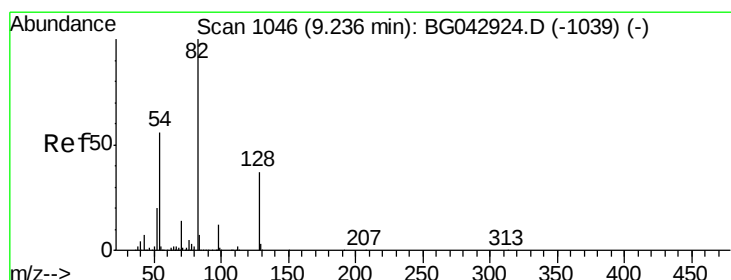
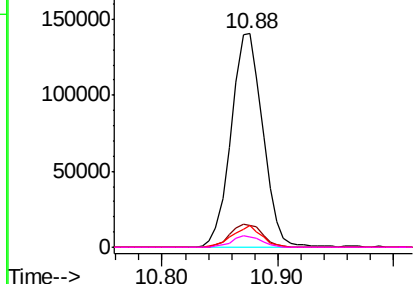
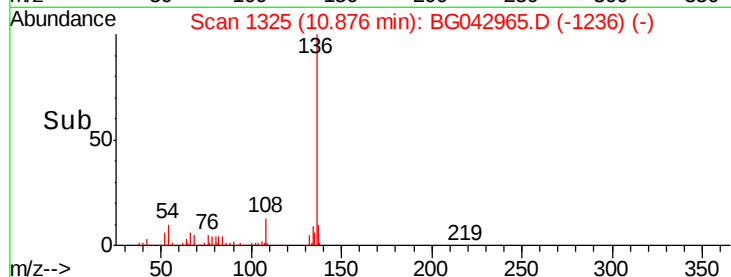
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042965.D
Acq: 1 Oct 2019 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	268022
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.5 12.7
54	10.1	7.4 11.2
68	4.9	3.6 5.4

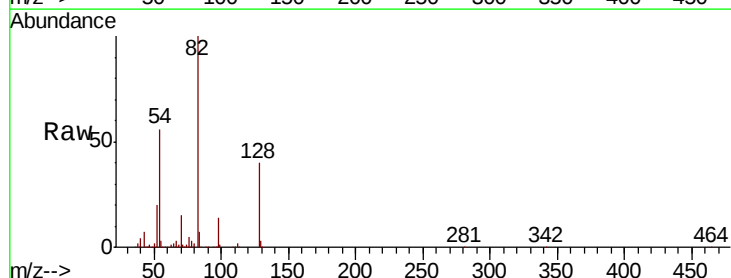


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

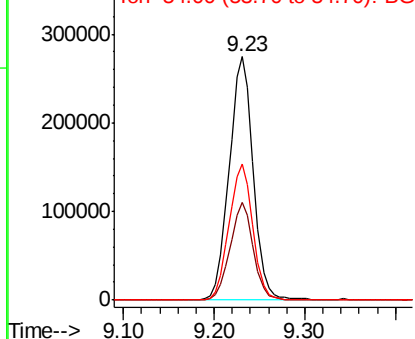
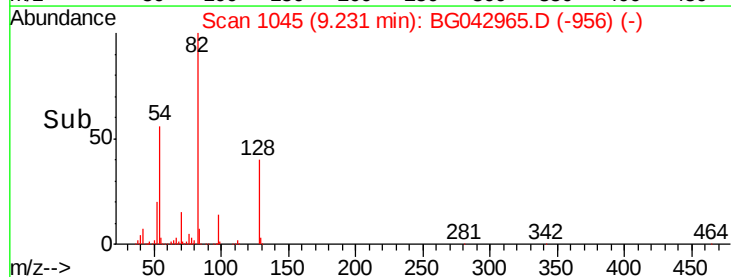


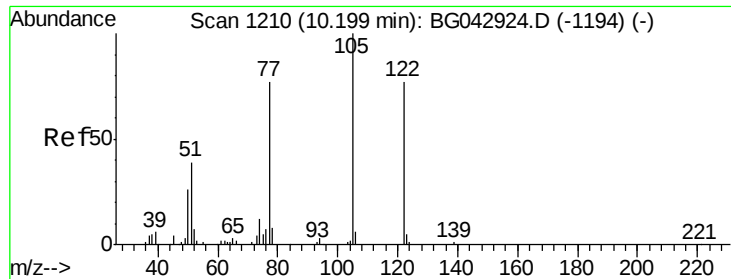
#23
Nitrobenzene-d5
Concen: 91.918 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042965.D
Acq: 1 Oct 2019 6:24

Tgt Ion: 82	Resp:	506860
Ion Ratio	Lower	Upper
82	100	
128	40.2	29.5 44.3
54	55.8	44.6 67.0



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

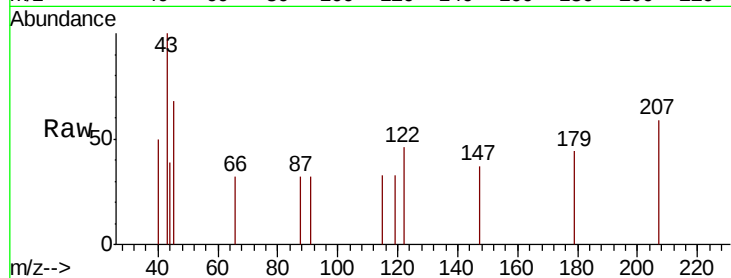




#32
Benzoic acid
Concen: 2.831 ng
RT: 10.28 min Scan# 1224
Delta R.T. 0.08 min
Lab File: BG042965.D
Acq: 1 Oct 2019 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

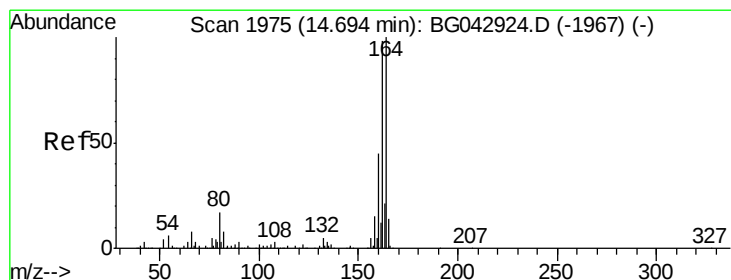
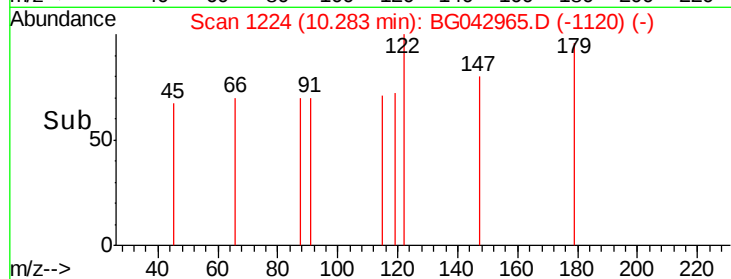
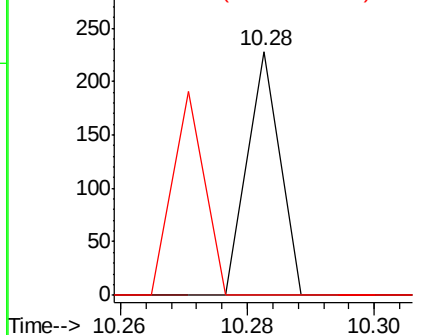


Abundance

Ion 122.00 (121.70 to 122.70): E

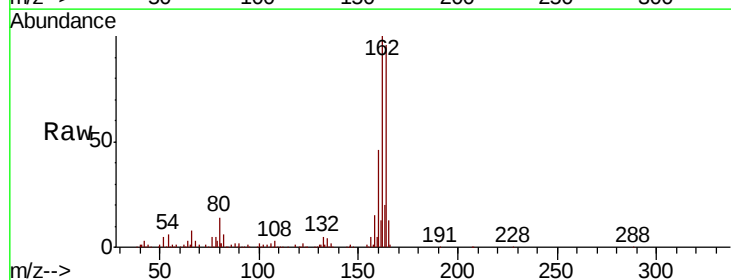
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG042965.D
Acq: 1 Oct 2019 6:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	78.5	117.7
160	47.8	35.9	53.9

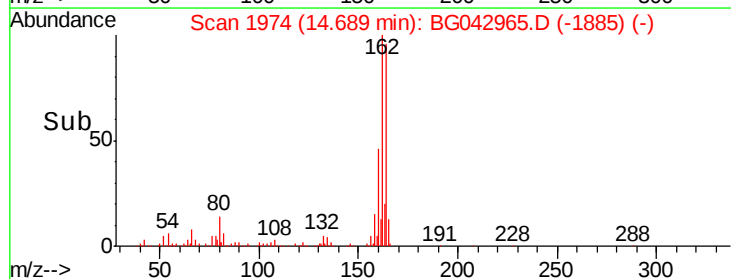
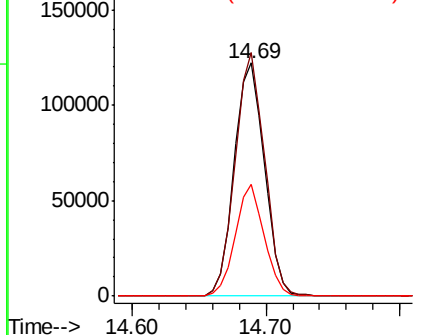


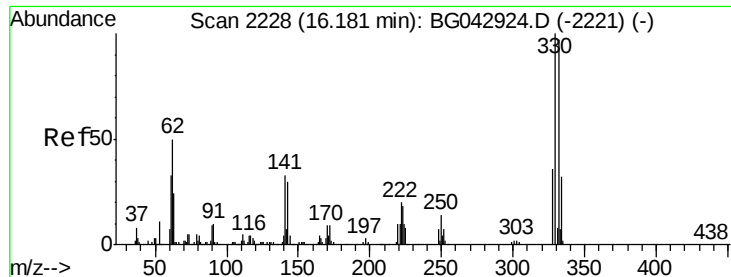
Abundance

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

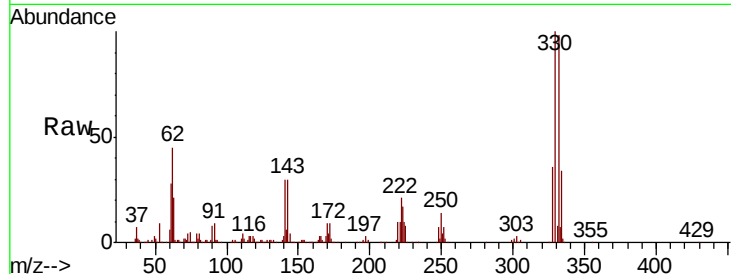




#42
 2,4,6-Tribromophenol
 Concen: 133.910 ng
 RT: 16.18 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG042965.D
 Acq: 1 Oct 2019 6:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.2
141	30.4	26.0	39.0

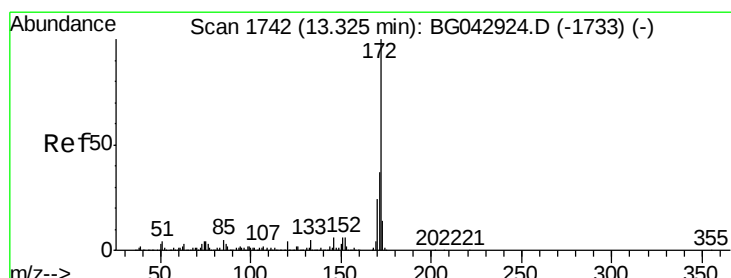
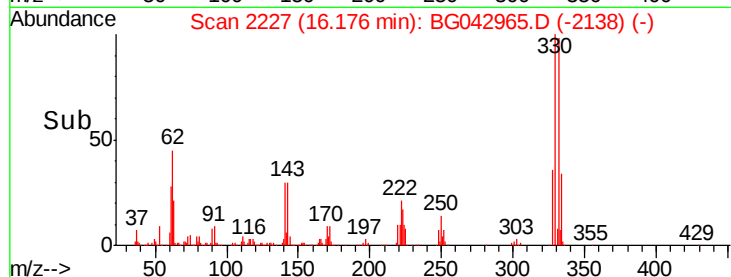
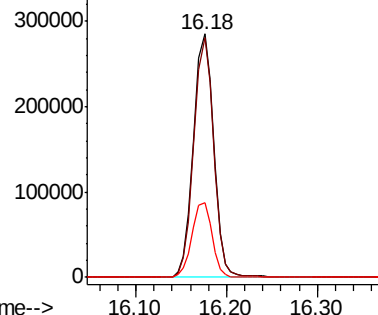


Abundance

Ion 329.80 (329.50 to 330.50): E

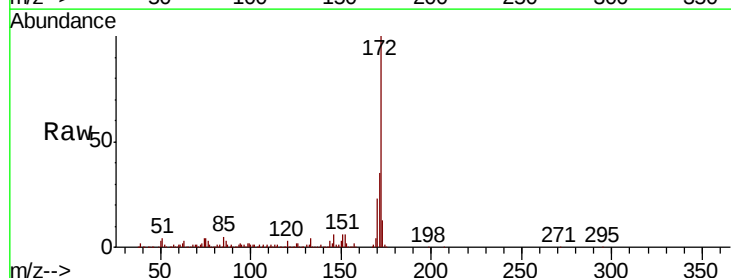
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.980 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG042965.D
 Acq: 1 Oct 2019 6:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.3	19.6	29.4

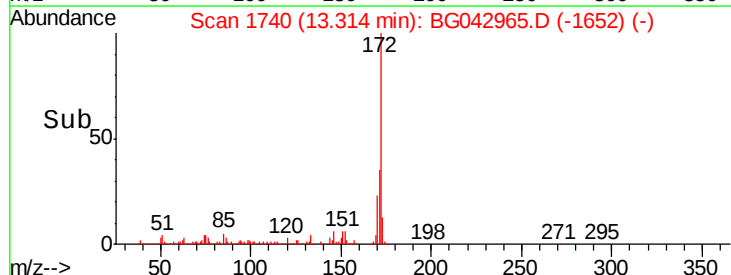
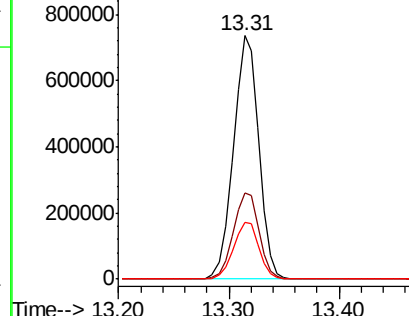


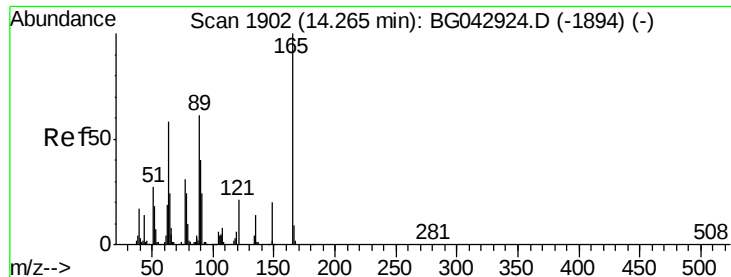
Abundance

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: 8.258 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.42 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Instrument :

BNA_G

ClientSampleId :

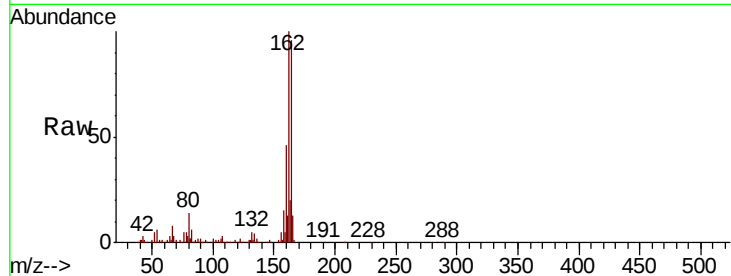
Tot Ion:165 Resp: 25392

Ion Ratio Lower Upper

165 100

63 1.3 50.3 75.5#

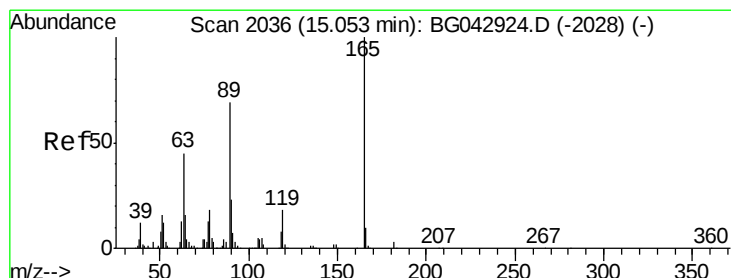
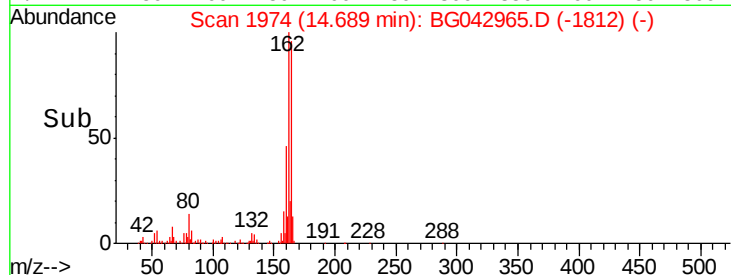
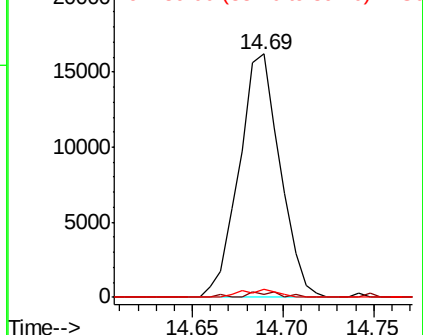
89 3.5 48.9 73.3#



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: 5.639 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.36 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Tgt Ion:165 Resp: 25392

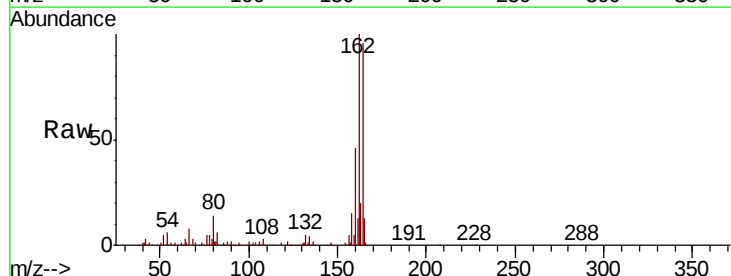
Ion Ratio Lower Upper

165 100

63 1.3 36.5 54.7#

89 3.5 55.5 83.3#

182 0.0 2.4 3.6#

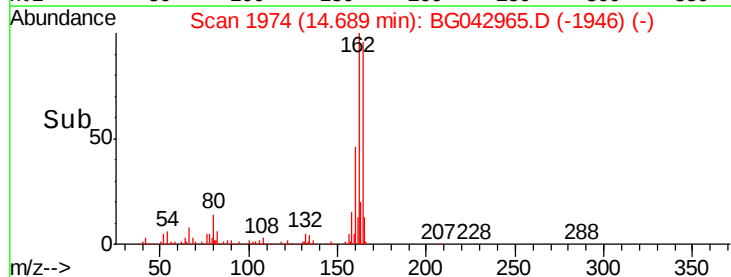
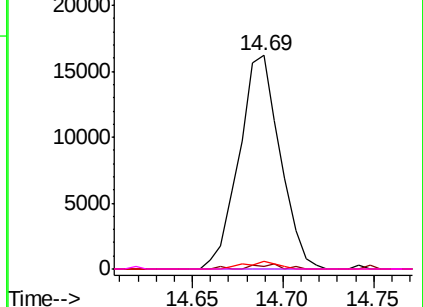


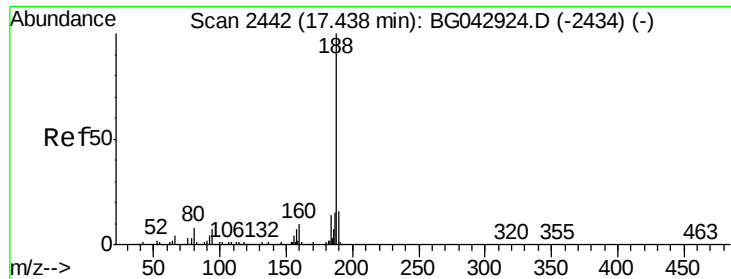
Abundance Ion 165.00 (164.70 to 165.70): E

25000 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: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Instrument :

BNA_G

ClientSampleId :

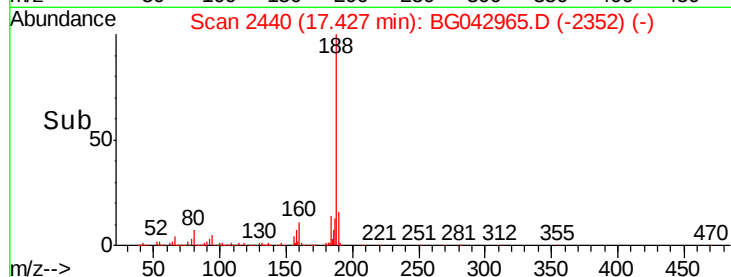
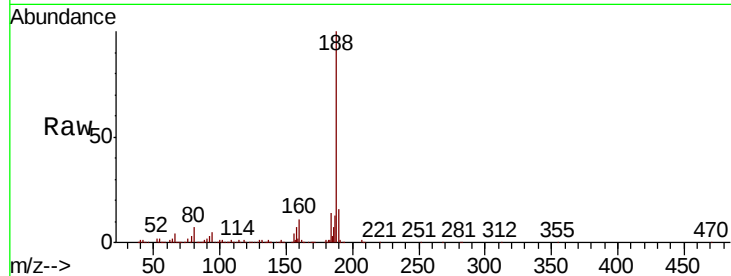
Tot Ion:188 Resp: 461608

Ion Ratio Lower Upper

188 100

94 5.3 5.7 8.5#

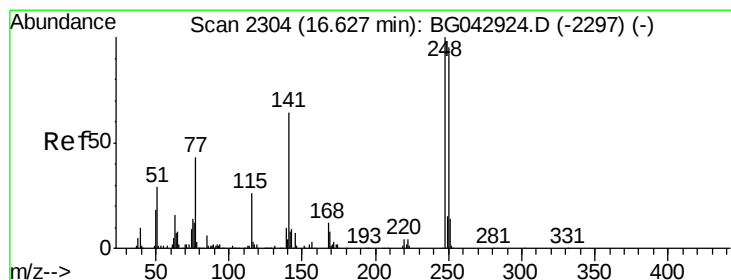
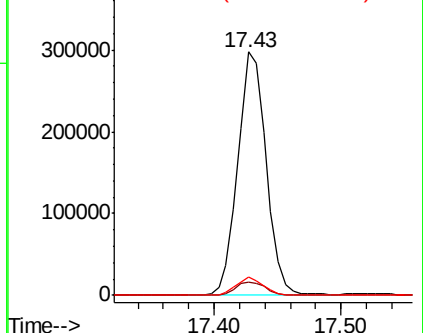
80 7.4 6.5 9.7



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: 5.091 ng

RT: 16.18 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

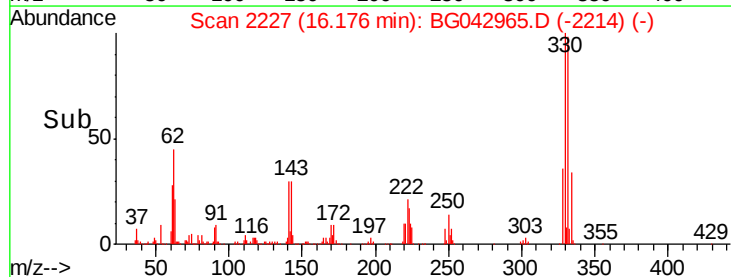
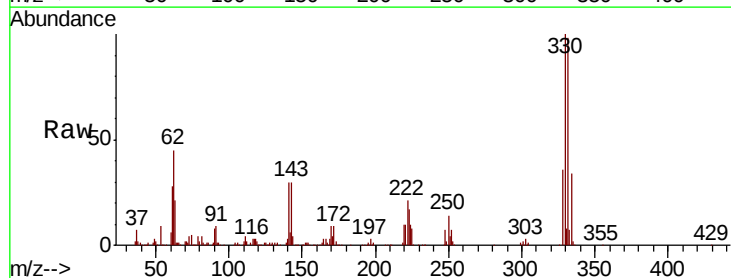
Tgt Ion:248 Resp: 29497

Ion Ratio Lower Upper

248 100

250 217.2 75.8 113.8#

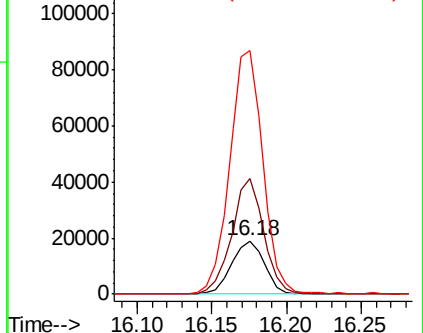
141 459.7 51.1 76.7#

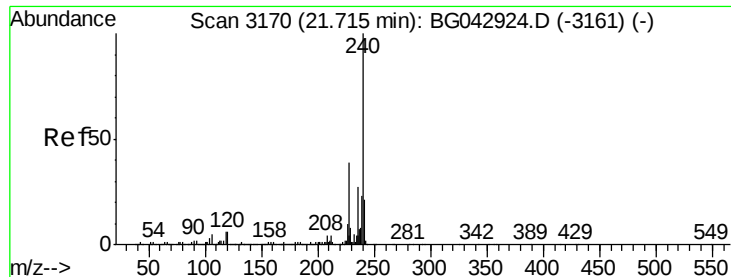


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.02 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

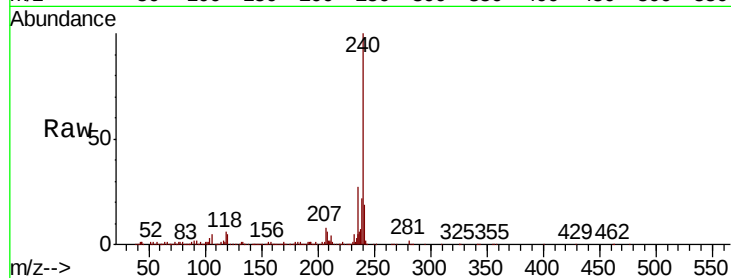
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 513070

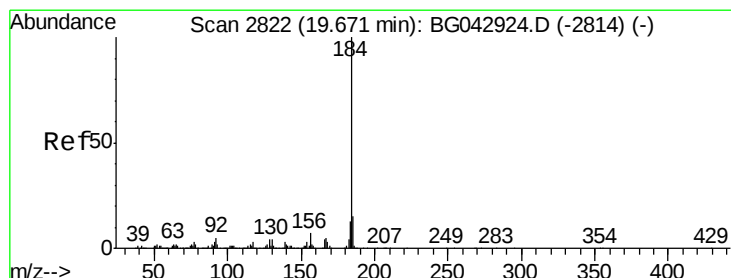
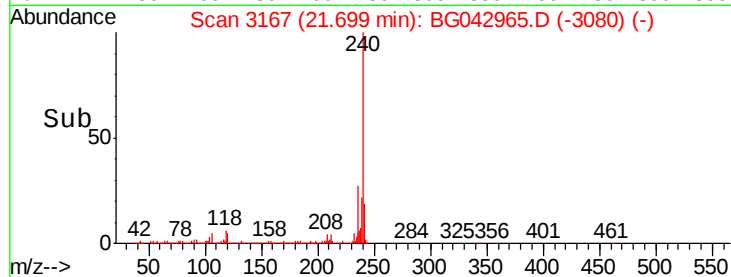
Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.8	7.2
236	26.8	21.4	32.0



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: 2.937 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

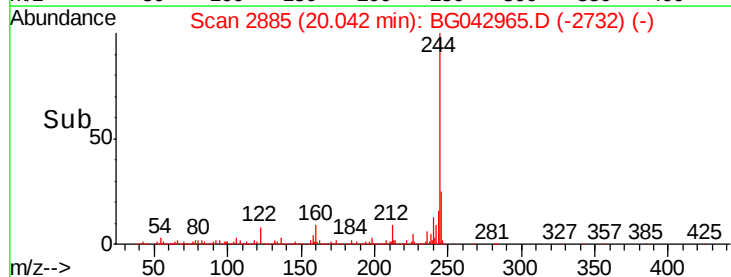
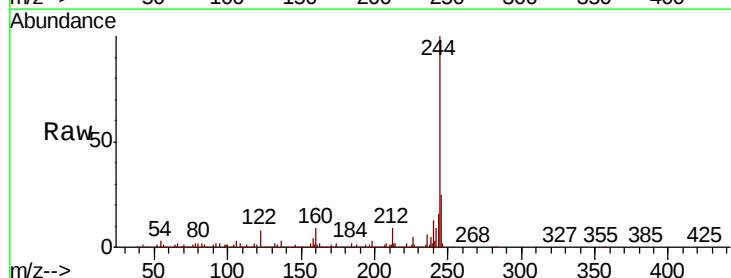
Tgt Ion:184 Resp: 37733

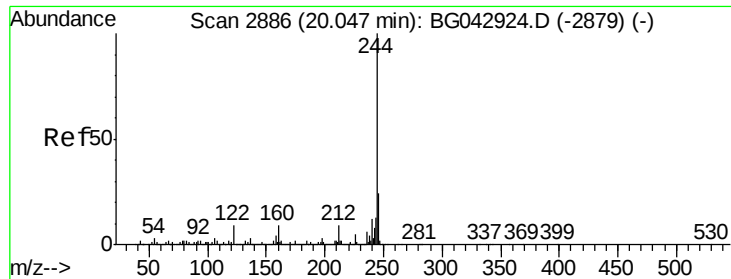
Ion	Ratio	Lower	Upper
184	100		
185	16.1	11.8	17.8
183	8.8	10.1	15.1#

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: 92.565 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

Instrument :

BNA_G

ClientSampleId :

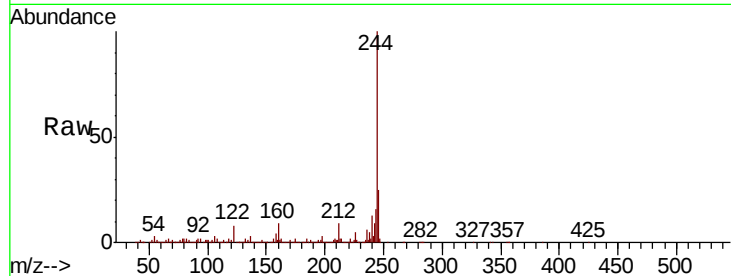
Tot Ion:244 Resp: 2228764

Ion Ratio Lower Upper

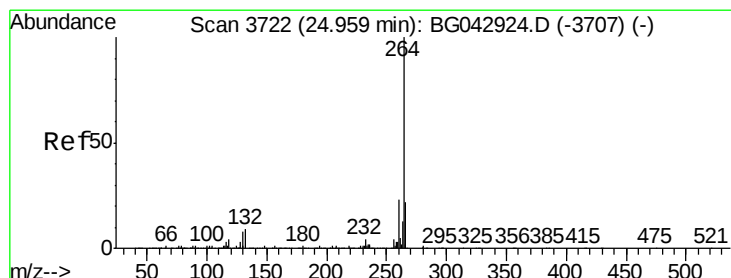
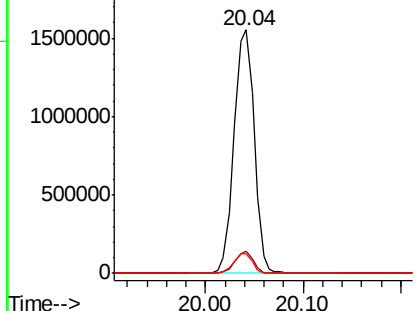
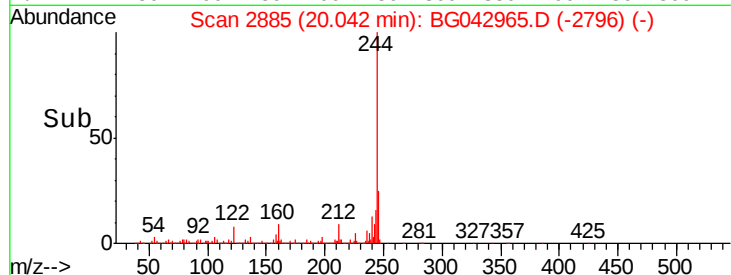
244 100

212 9.1 7.4 11.0

122 7.8 7.0 10.4



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: 24.92 min Scan# 3716

Delta R.T. -0.03 min

Lab File: BG042965.D

Acq: 1 Oct 2019 6:24

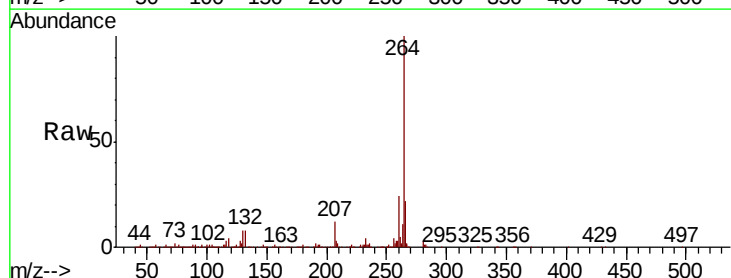
Tgt Ion:264 Resp: 584476

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 21.7 17.7 26.5



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

