

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043464.D
 Acq On : 1 Nov 2019 14:06
 Operator : JU
 Sample : PB124454TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB124454TB

Quant Time: Nov 22 05:35:25 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

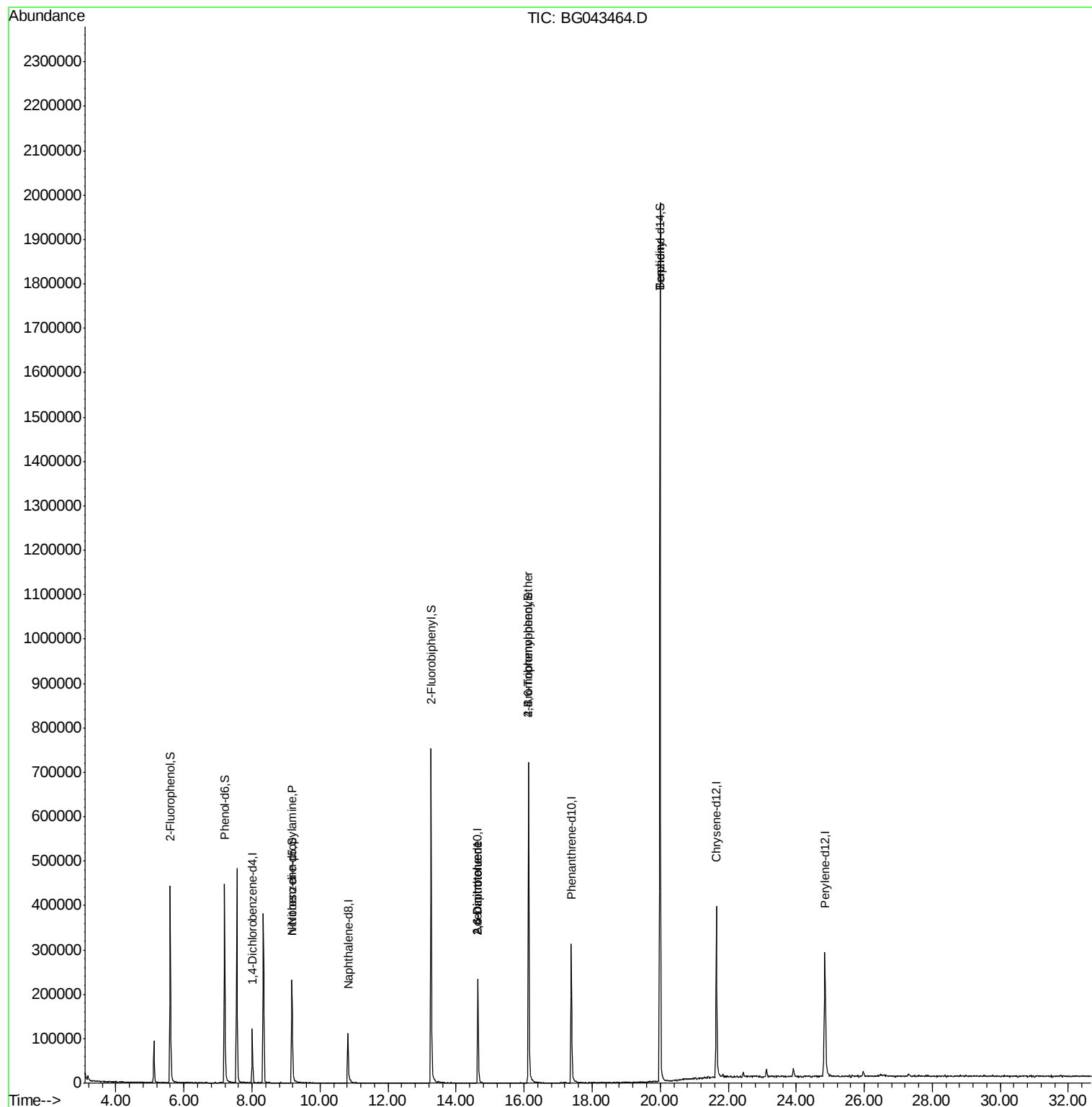
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	36886	20.00	ng	0.02
21) Naphthalene-d8	10.82	136	130334	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	98632	20.00	ng	0.02
64) Phenanthrene-d10	17.39	188	250770	20.00	ng	0.02
76) Chrysene-d12	21.65	240	285340	20.00	ng	0.02
87) Perylene-d12	24.85	264	335158	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	210543	104.59	ng	0.02
7) Phenol-d6	7.20	99	284904	98.37	ng	0.01
23) Nitrobenzene-d5	9.18	82	170725	67.53	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	190461	101.47	ng	0.02
45) 2-Fluorobiphenyl	13.26	172	484073	67.82	ng	0.02
79) Terphenyl-d14	20.00	244	1121799	73.76	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	23373	12.489	ng	# 72
51) 2,6-Dinitrotoluene	14.64	165	12747	7.680	ng	# 27
57) 2,4-Dinitrotoluene	14.64	165	12747	5.374	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	12140	3.597	ng	# 1
77) Benzidine	20.00	184	15828	2.756	ng	95

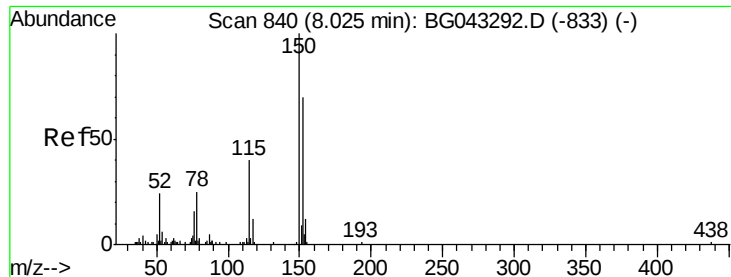
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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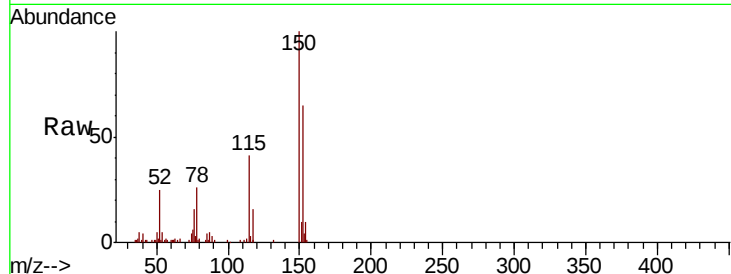


#1

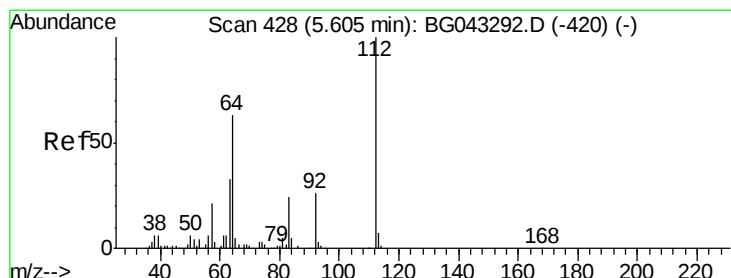
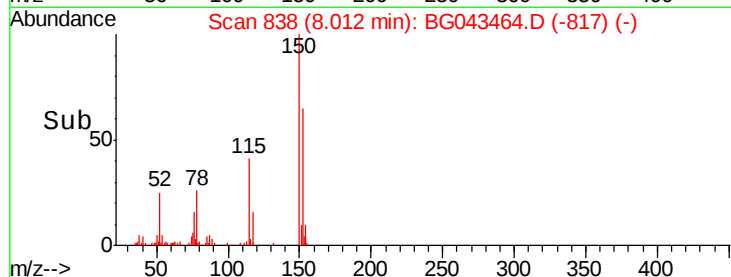
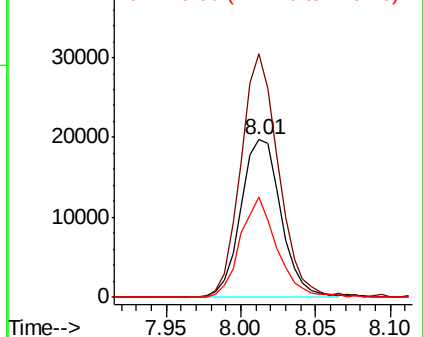
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Instrument :
BNA_G
ClientSampleId :
PB124454TB

Tot Ion:152 Resp: 36886
Ion Ratio Lower Upper
152 100
150 154.4 116.6 175.0
115 63.8 40.5 60.7#



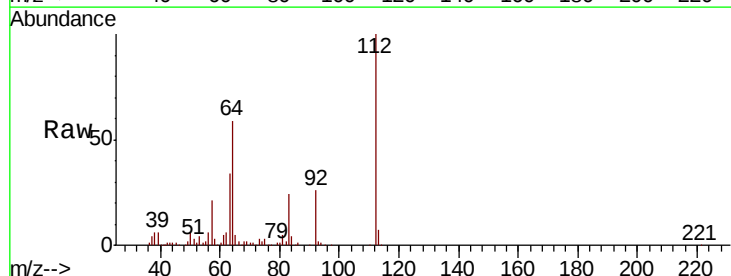
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



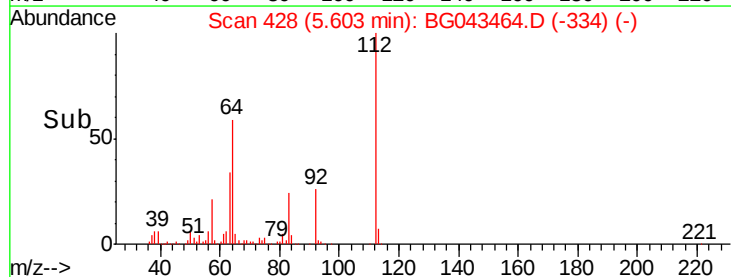
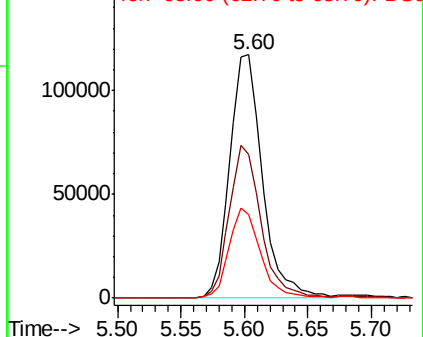
#5

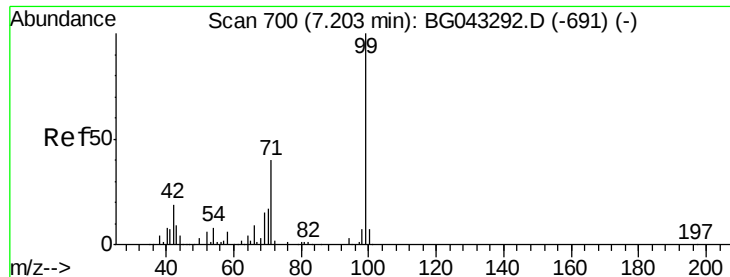
2-Fluorophenol
Concen: 104.595 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.02 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Tgt Ion:112 Resp: 210543
Ion Ratio Lower Upper
112 100
64 59.2 50.6 75.8
63 34.2 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 98.374 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

Instrument :

BNA_G

ClientSampleId :

PB124454TB

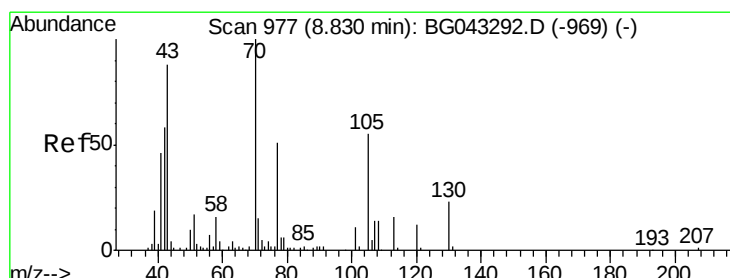
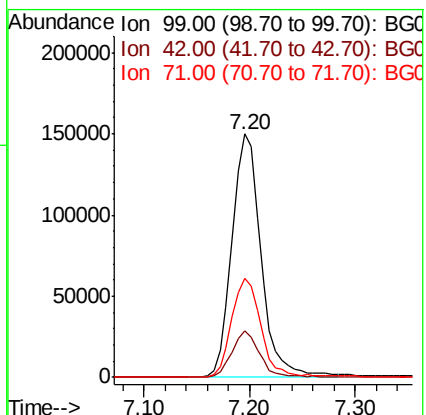
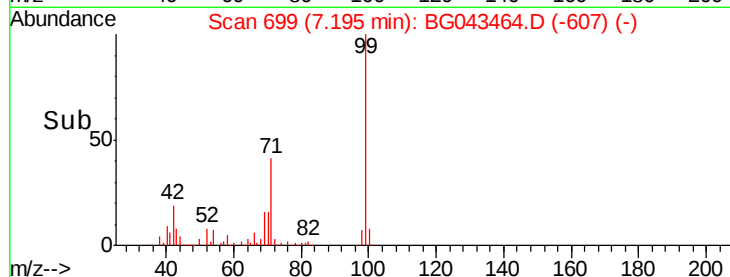
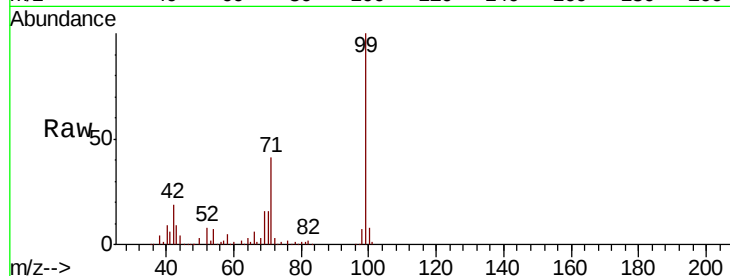
Tot Ion: 99 Resp: 284904

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.8

71 40.6 34.4 51.6



#19

n-Nitroso-di-n-propylamine

Concen: 12.489 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

Tgt Ion: 70 Resp: 23373

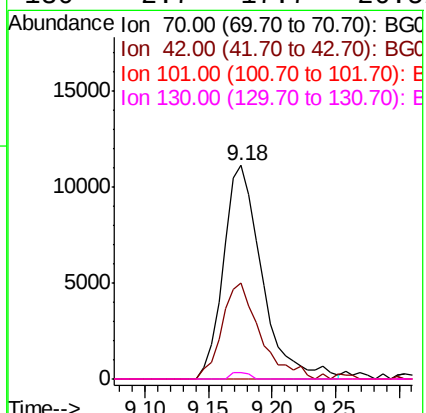
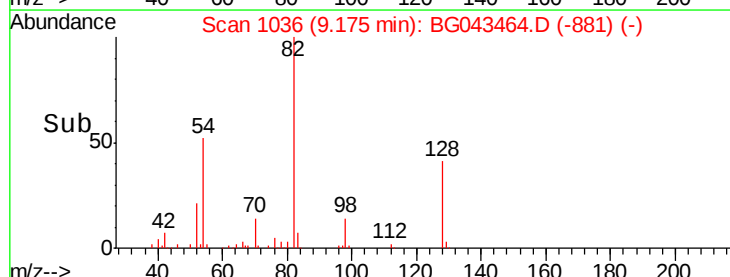
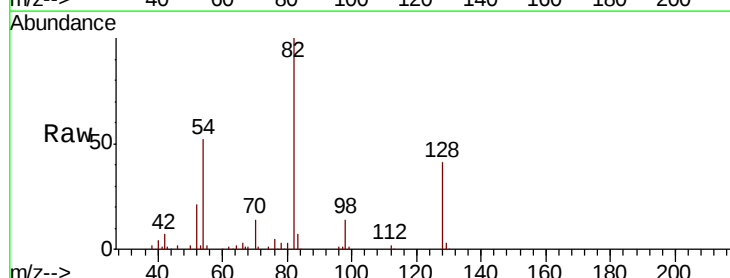
Ion Ratio Lower Upper

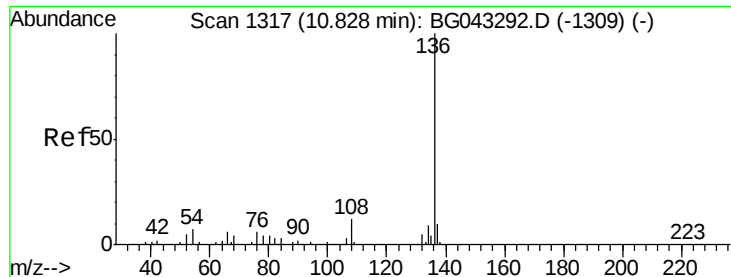
70 100

42 44.9 49.7 74.5#

101 0.0 9.7 14.5#

130 2.7 17.7 26.5#

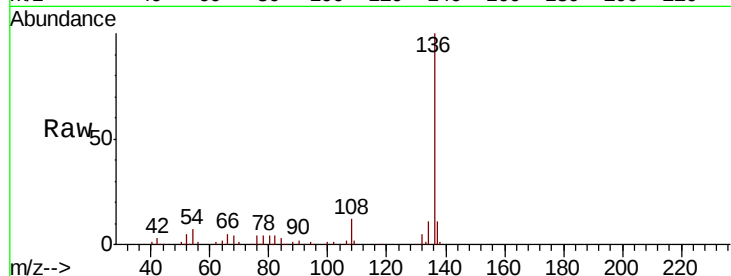




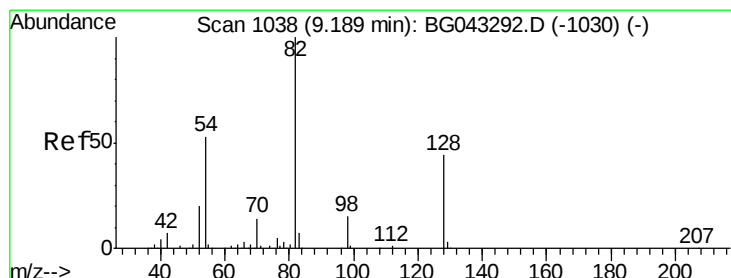
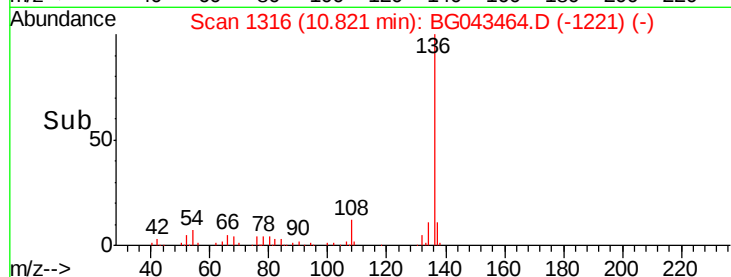
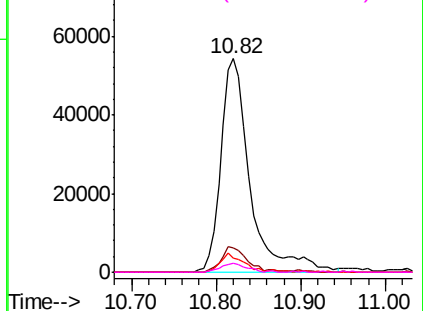
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Instrument :
BNA_G
ClientSampleId :
PB124454TB

Tot Ion:136	Resp:	130334
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	6.6	6.2 9.2
68	4.3	3.4 5.0

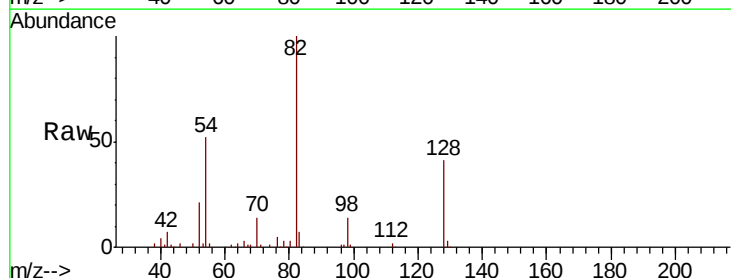


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

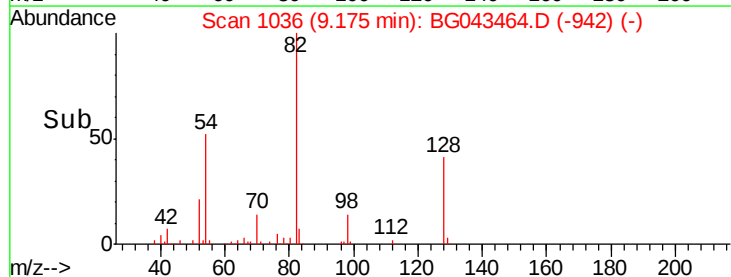
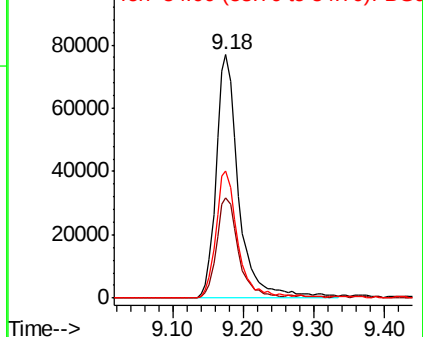


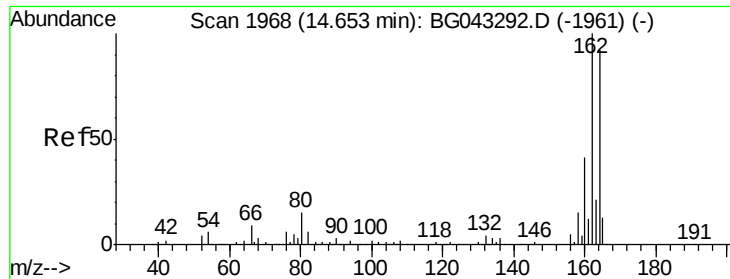
#23
Nitrobenzene-d5
Concen: 67.531 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Tgt Ion: 82	Resp:	170725
Ion Ratio	Lower	Upper
82	100	
128	41.0	34.2 51.4
54	52.1	44.7 67.1



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.02 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

Instrument :

BNA_G

ClientSampleId :

PB124454TB

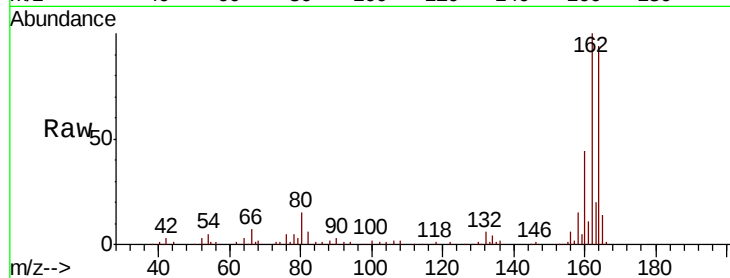
Tot Ion:164 Resp: 98632

Ion Ratio Lower Upper

164 100

162 106.1 79.4 119.2

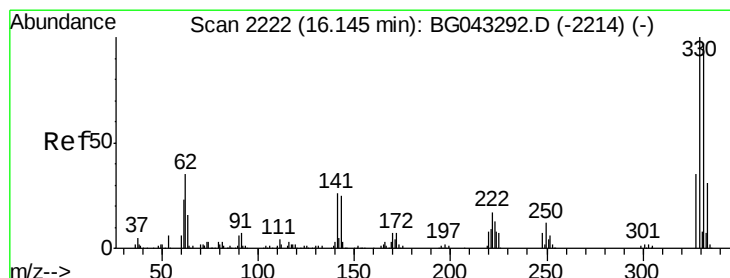
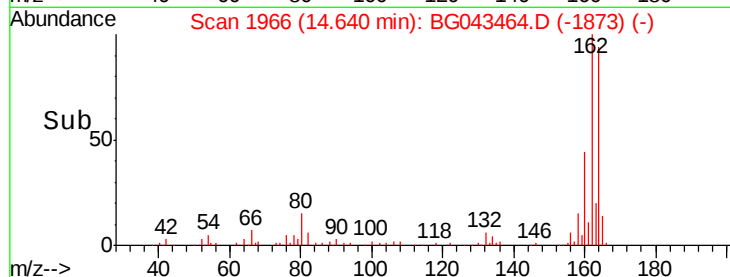
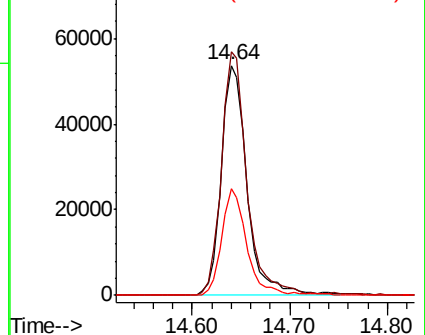
160 46.5 36.3 54.5



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: 101.473 ng

RT: 16.13 min Scan# 2220

Delta R.T. 0.02 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

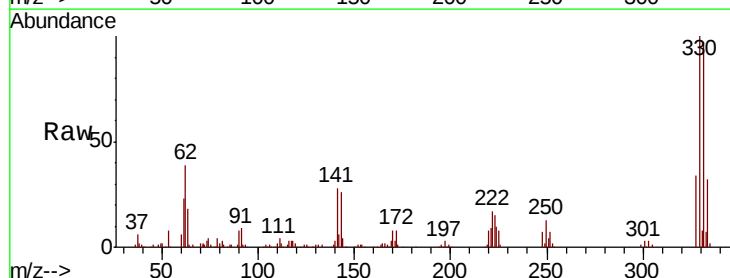
Tgt Ion:330 Resp: 190461

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

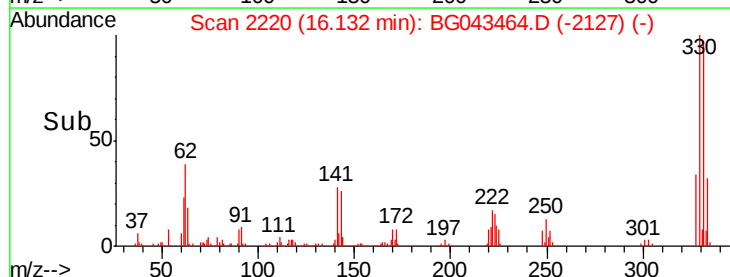
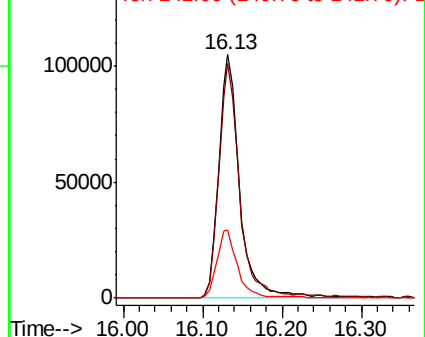
141 27.5 23.4 35.2

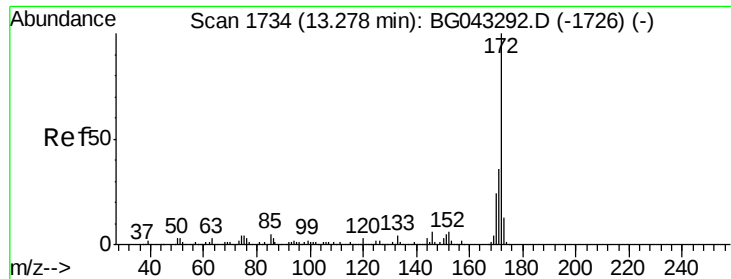


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 67.817 ng

RT: 13.26 min Scan# 1732

Delta R.T. 0.02 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

Instrument :

BNA_G

ClientSampleId :

PB124454TB

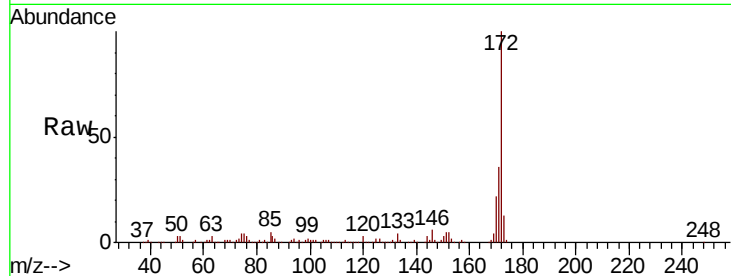
Tot Ion:172 Resp: 484073

Ion Ratio Lower Upper

172 100

171 35.6 28.1 42.1

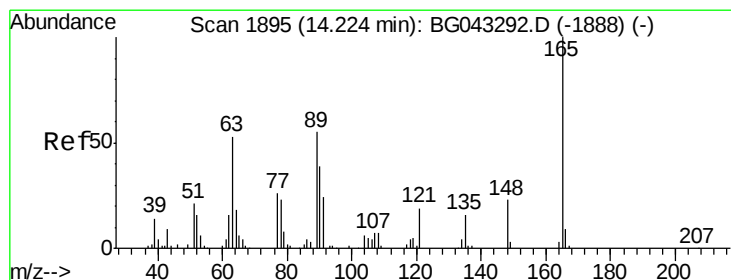
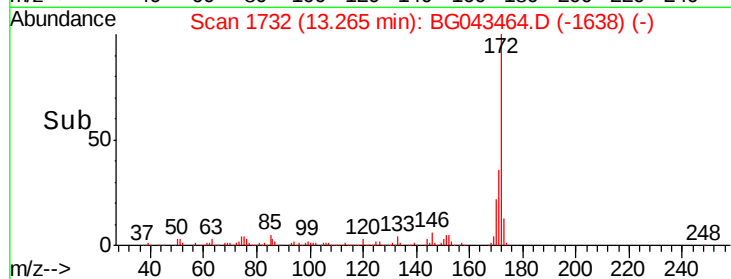
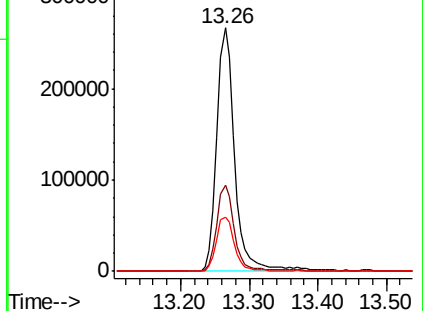
170 22.3 18.8 28.2



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: 7.680 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.44 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

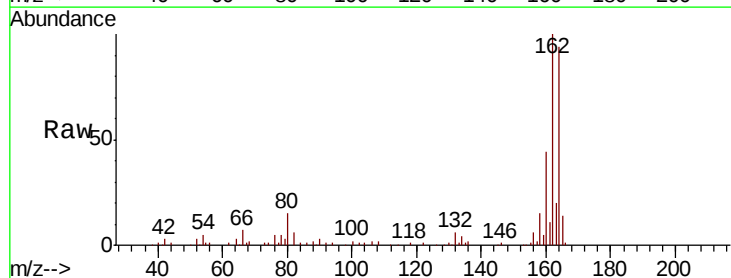
Tgt Ion:165 Resp: 12747

Ion Ratio Lower Upper

165 100

63 0.0 45.0 67.6#

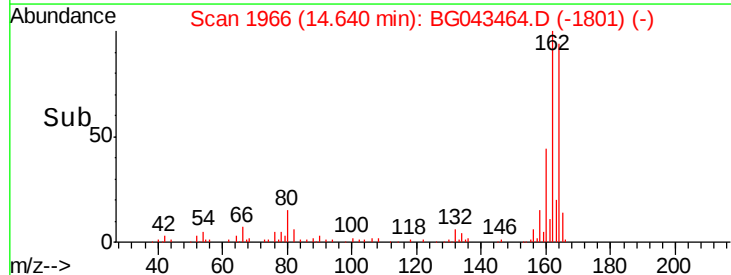
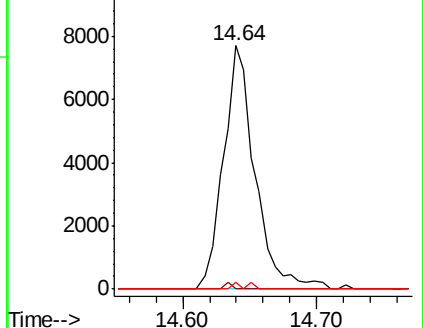
89 2.5 39.8 59.8#

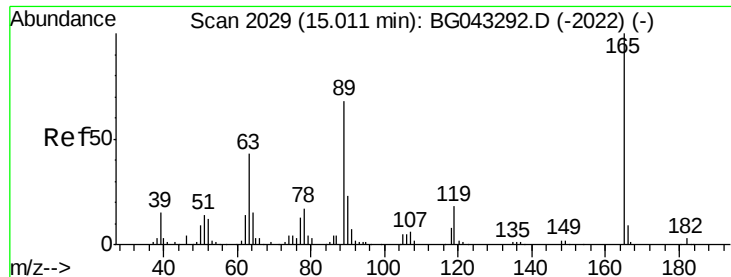


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

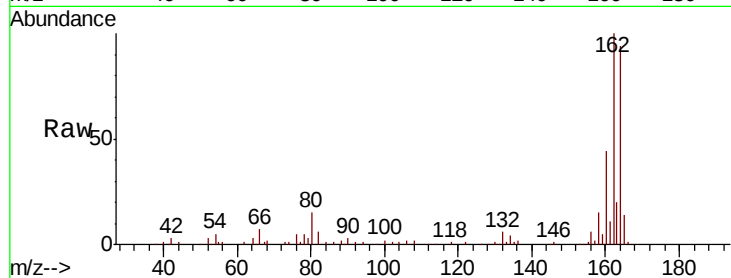




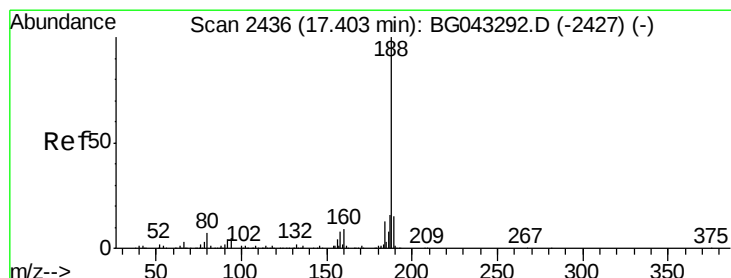
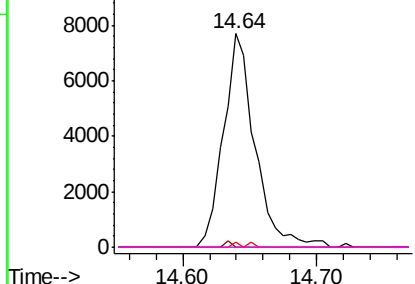
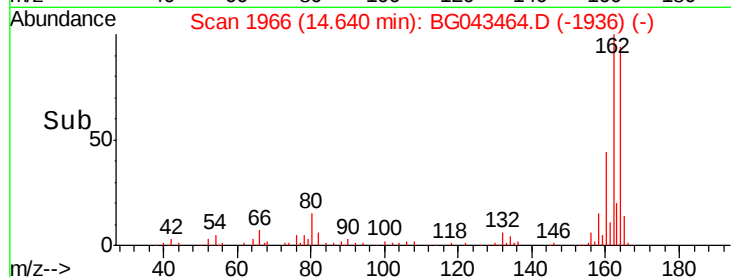
#57
 2,4-Dinitrotoluene
 Concen: 5.374 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.35 min
 Lab File: BG043464.D
 Acq: 1 Nov 2019 14:06

Instrument :
 BNA_G
 ClientSampleId :
 PB124454TB

Tot Ion:165 Resp: 12747
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.4 56.0#
 89 2.5 50.9 76.3#
 182 0.0 2.3 3.5#

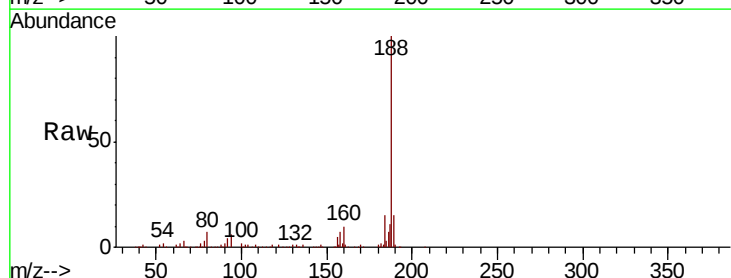


Abundance Ion 165.00 (164.70 to 165.70): E
 12000 Ion 63.00 (62.70 to 63.70): BGC
 10000 Ion 89.00 (88.70 to 89.70): BGC
 8000 Ion 182.00 (181.70 to 182.70): E

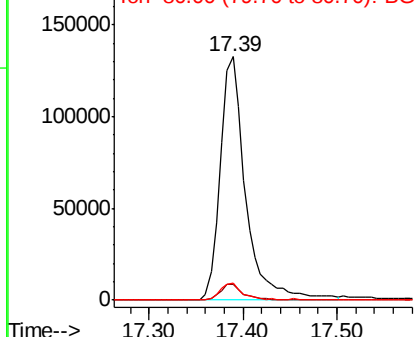
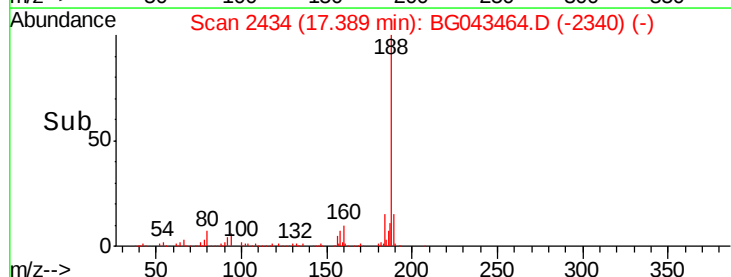


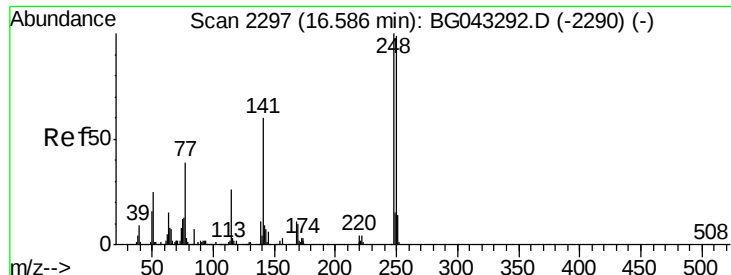
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. 0.02 min
 Lab File: BG043464.D
 Acq: 1 Nov 2019 14:06

Tgt Ion:188 Resp: 250770
 Ion Ratio Lower Upper
 188 100
 94 6.3 4.6 7.0
 80 7.2 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BGC
 100000 Ion 80.00 (79.70 to 80.70): BGC

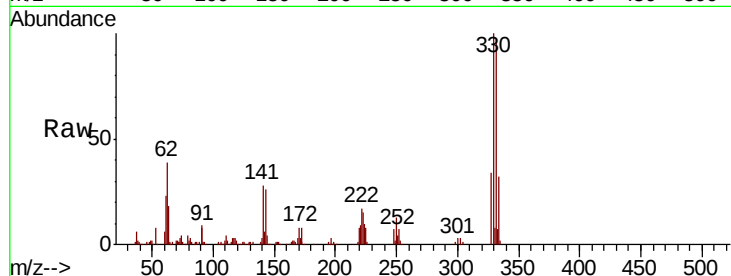




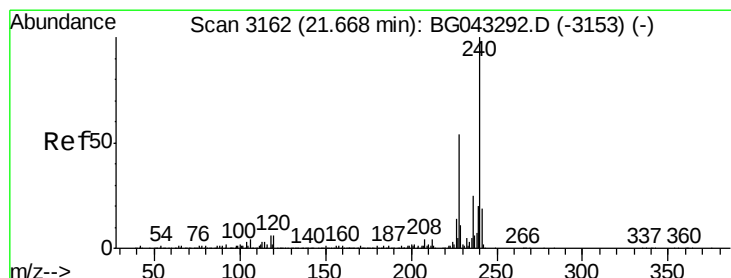
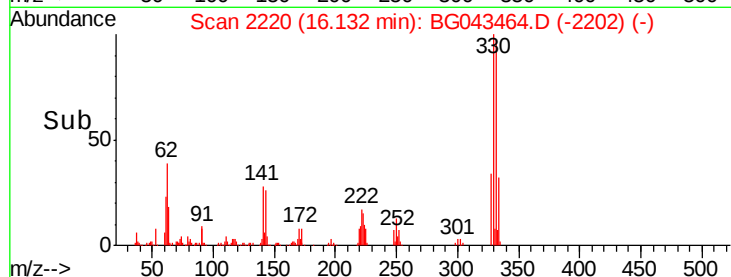
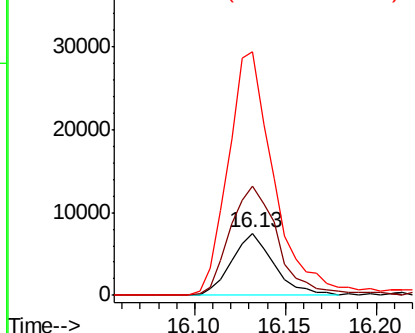
#67
4-Bromophenyl-phenylether
Concen: 3.597 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.42 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Instrument :
BNA_G
ClientSampleId :
PB124454TB

Tot Ion	Ratio	Lower	Upper
248	100		
250	176.3	76.3	114.5#
141	391.8	49.5	74.3#

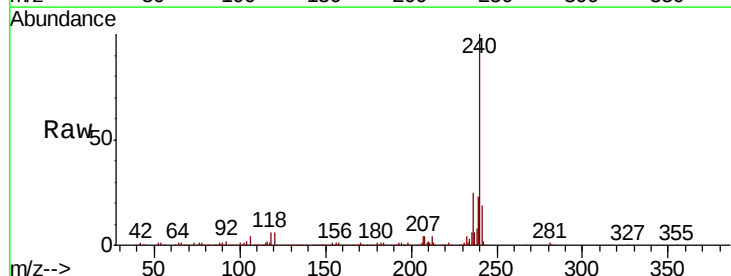


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

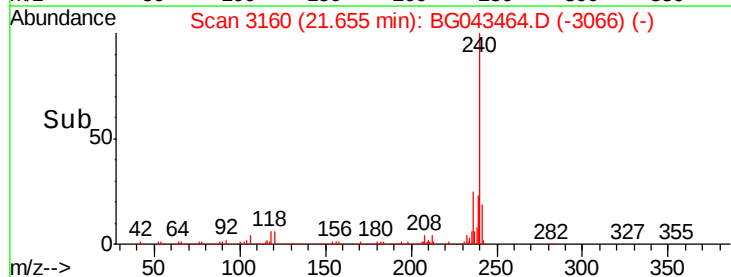
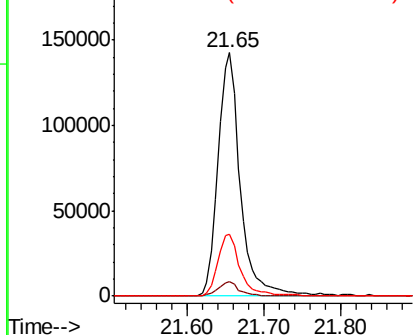


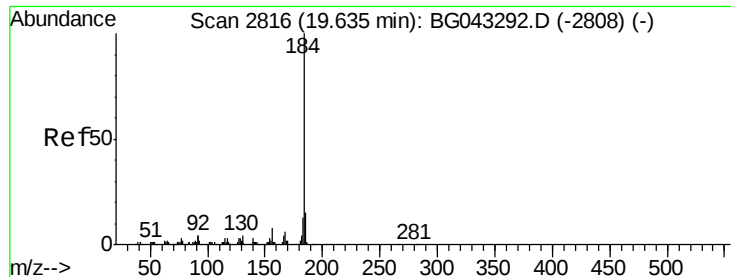
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3160
Delta R.T. 0.02 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.9	7.3
236	25.4	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: 2.756 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

Instrument :

BNA_G

ClientSampleId :

PB124454TB

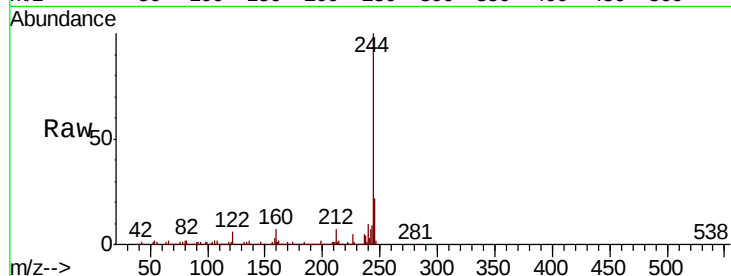
Tot Ion:184 Resp: 15828

Ion Ratio Lower Upper

184 100

185 13.7 12.7 19.1

183 9.4 8.8 13.2

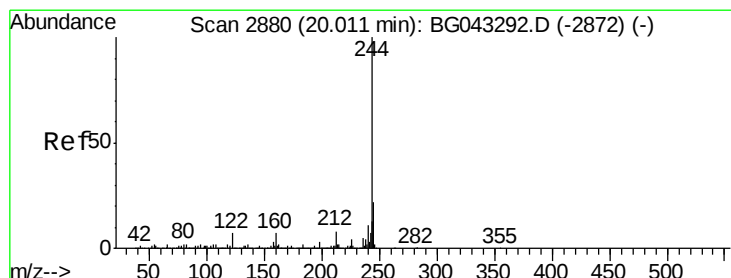
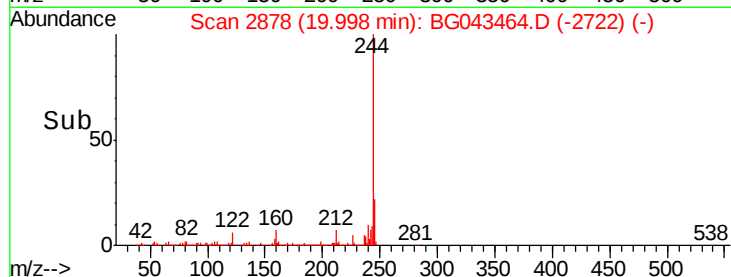
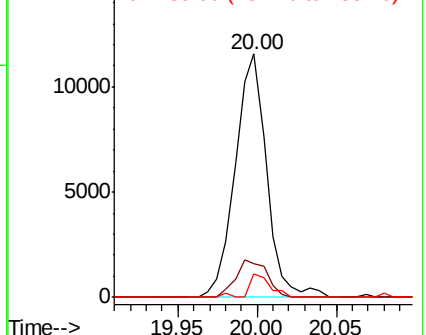


Abundance

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: 73.756 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.02 min

Lab File: BG043464.D

Acq: 1 Nov 2019 14:06

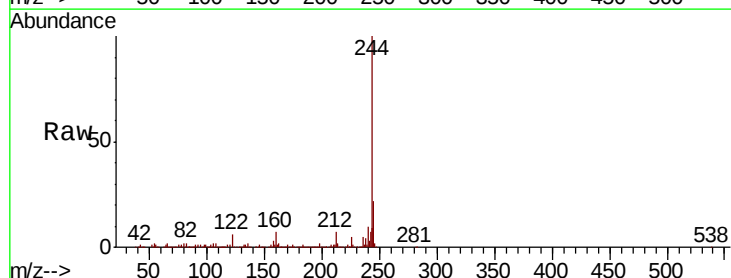
Tgt Ion:244 Resp: 1121799

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 6.4 5.2 7.8

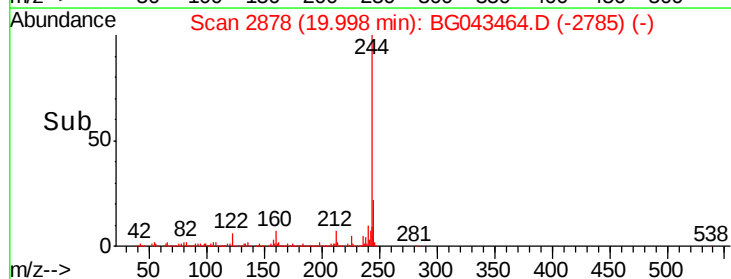
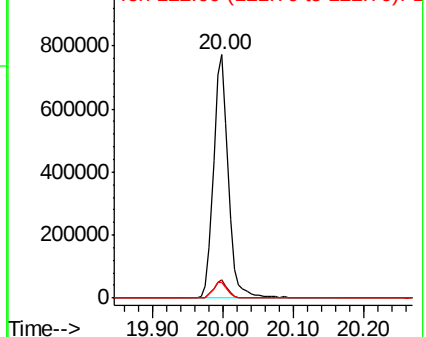


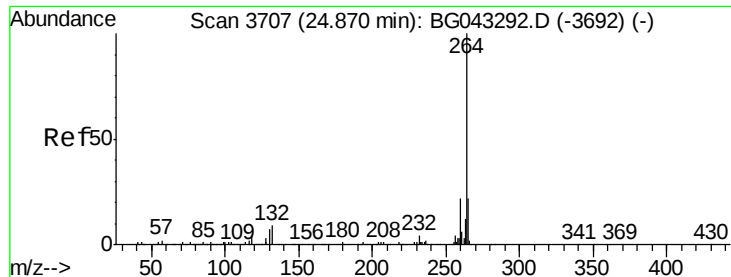
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3703
Delta R.T. 0.03 min
Lab File: BG043464.D
Acq: 1 Nov 2019 14:06

Instrument :
BNA_G
ClientSampleId :
PB124454TB

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	22.3	18.4	27.6	
265	19.3	15.8	23.8	

