

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043388.D
 Acq On : 30 Oct 2019 1:23
 Operator : JU
 Sample : PB124392BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 06:26:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43126	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	167257	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	122024	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	269724	20.00	ng	0.00
76) Chrysene-d12	21.66	240	295286	20.00	ng	0.00
87) Perylene-d12	24.86	264	343006	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	301343	128.04	ng	0.01
7) Phenol-d6	7.21	99	424145	125.26	ng	0.00
23) Nitrobenzene-d5	9.19	82	253313	78.08	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	244403	105.25	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	714584	80.92	ng	0.00
79) Terphenyl-d14	20.00	244	1336942	84.94	ng	0.00

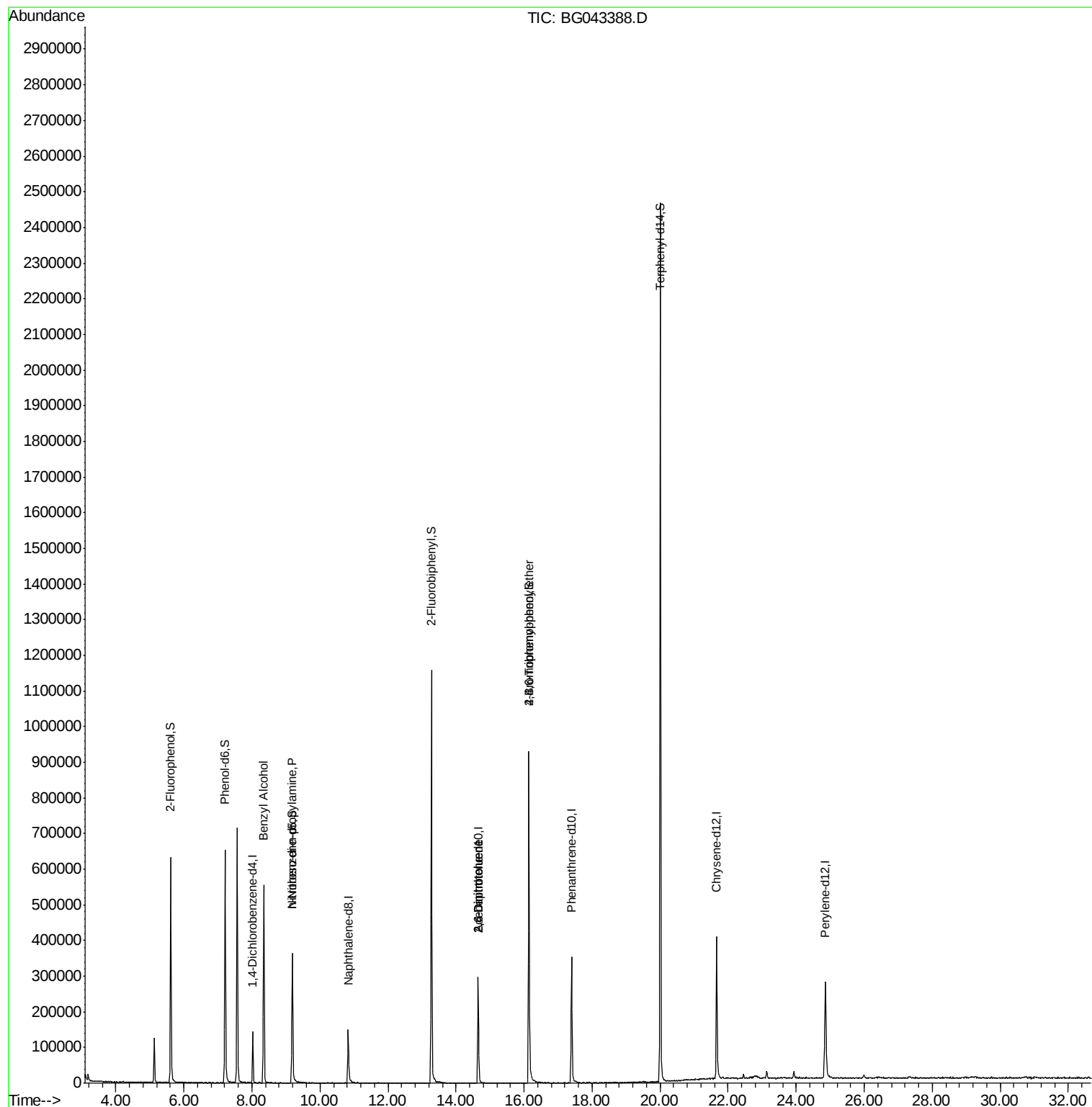
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.35	79	4777	2.009	ng	# 71
19) n-Nitroso-di-n-propylamine	9.19	70	37386	17.087	ng	# 71
51) 2,6-Dinitrotoluene	14.65	165	16435	8.004	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	16435	5.601	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	17153	4.726	ng	# 1

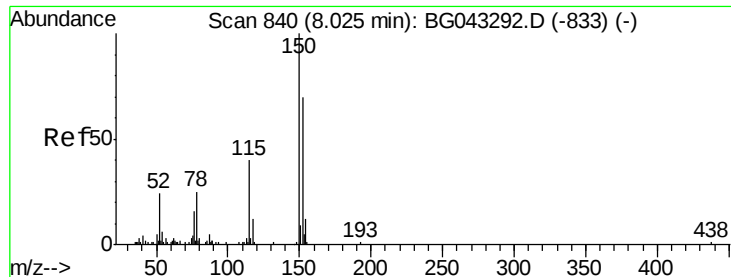
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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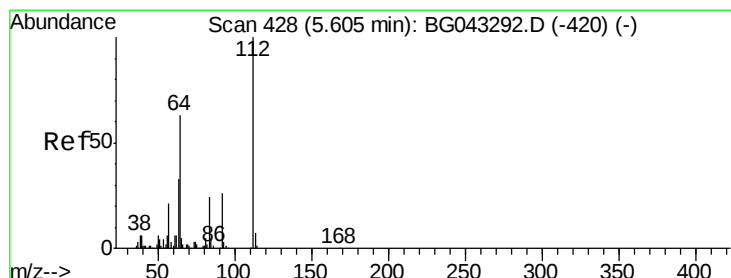
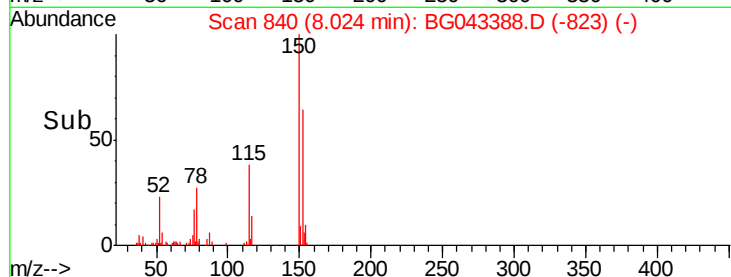
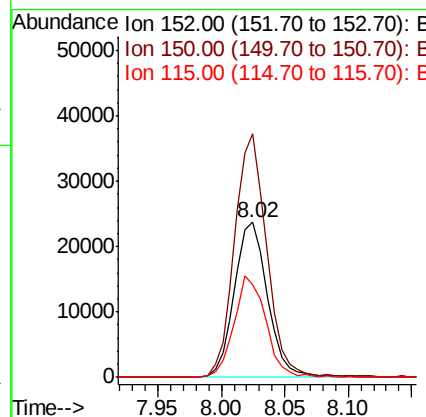
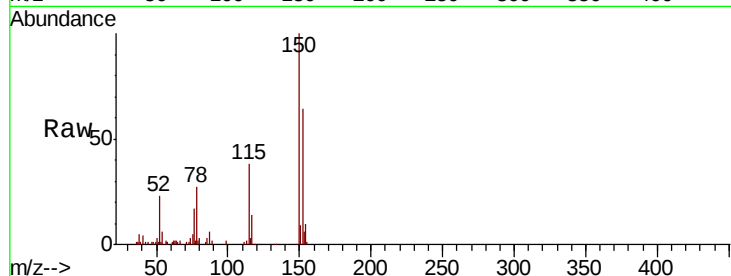


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043388.D
Acq: 30 Oct 2019 1:23

Instrument :
BNA_G
ClientSampleId :

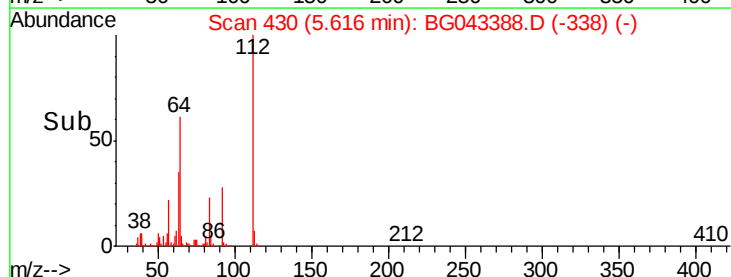
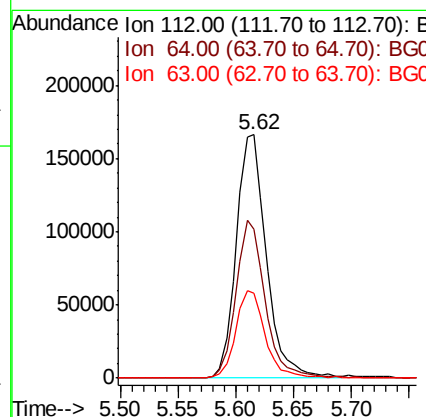
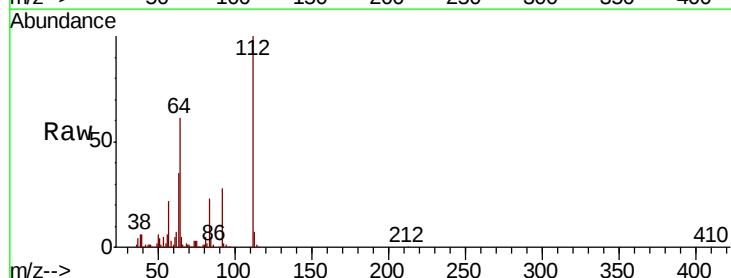
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	113.6	170.4
115	59.5	45.9	68.9

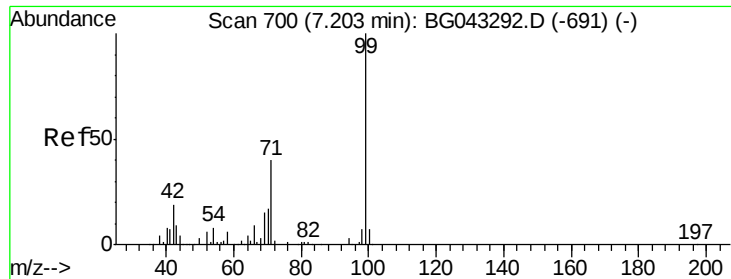


#5

2-Fluorophenol
Concen: 128.042 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043388.D
Acq: 30 Oct 2019 1:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	50.2	75.2
63	35.1	26.7	40.1





#7

Phenol-d6

Concen: 125.261 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

Instrument :

BNA_G

ClientSampleId :

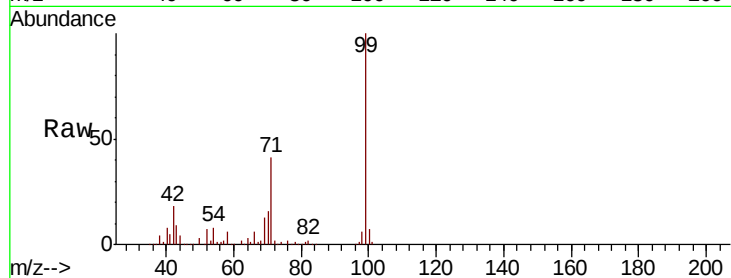
Tot Ion: 99 Resp: 424145

Ion Ratio Lower Upper

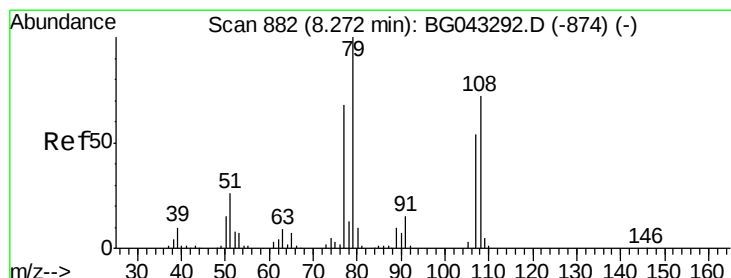
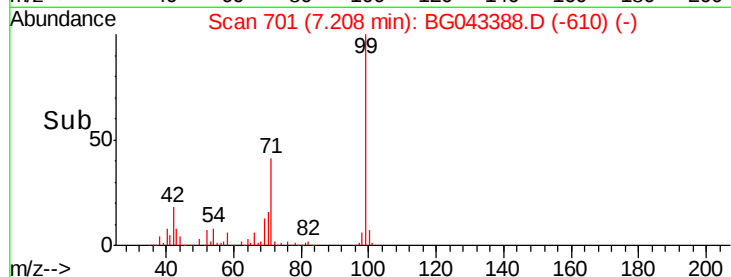
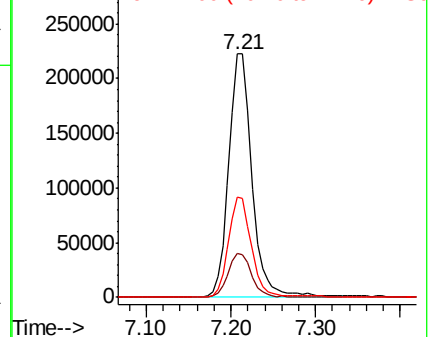
99 100

42 18.1 14.9 22.3

71 41.3 32.2 48.2



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: 2.009 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

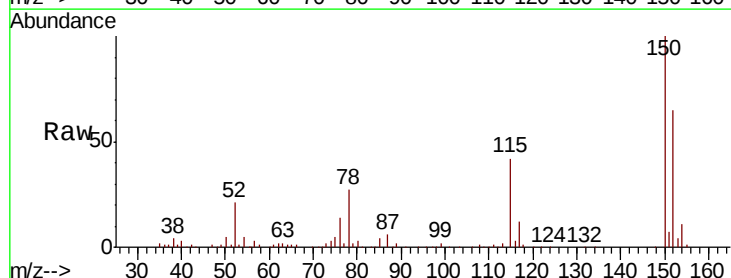
Tgt Ion: 79 Resp: 4777

Ion Ratio Lower Upper

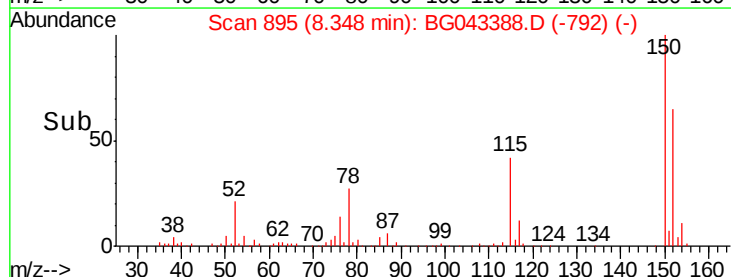
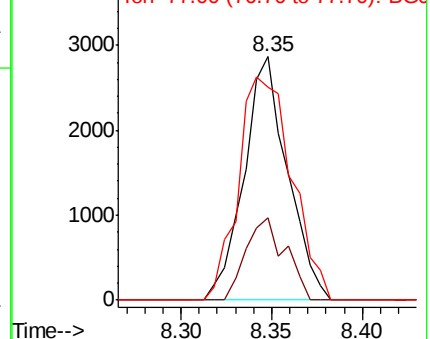
79 100

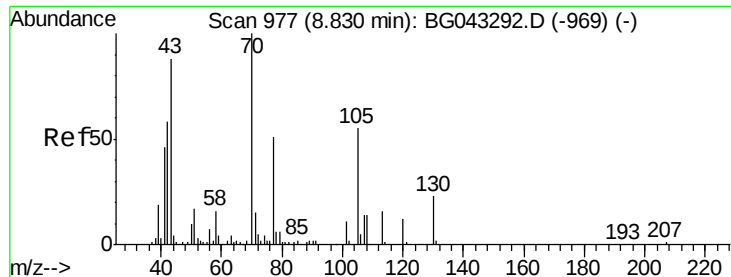
108 43.3 57.3 85.9#

77 87.3 54.6 81.8#



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

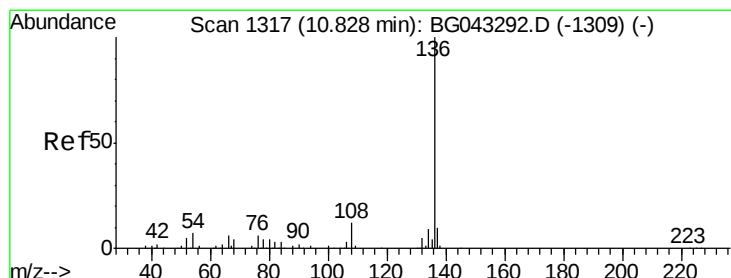
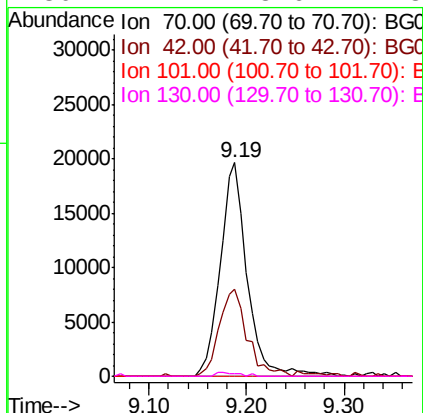
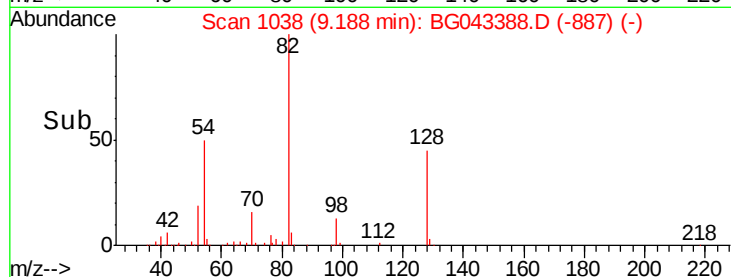
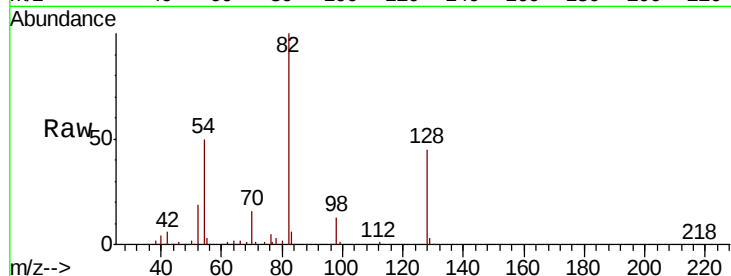




#19
n-Nitroso-di-n-propylamine
Concen: 17.087 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043388.D
Acq: 30 Oct 2019 1:23

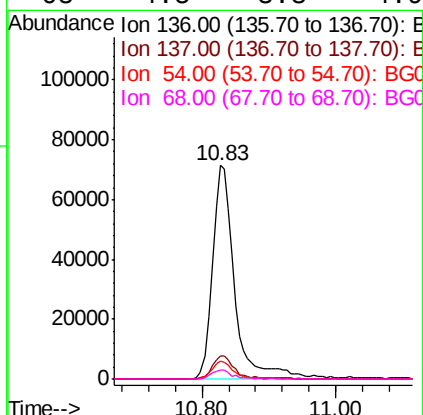
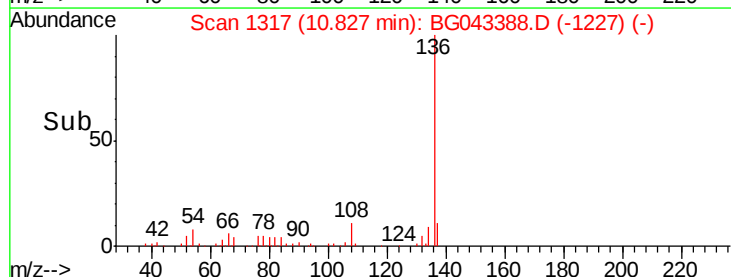
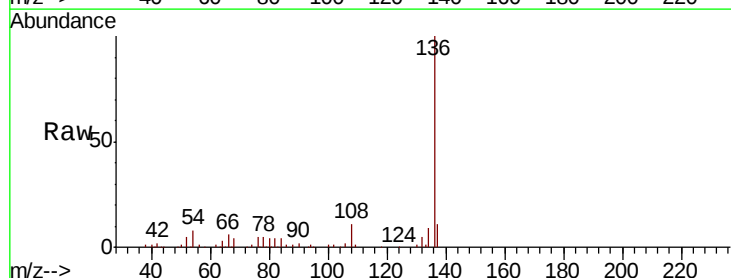
Instrument :
BNA_G
ClientSampleId :

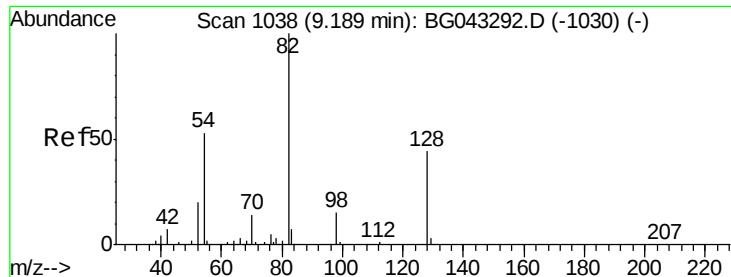
Tot Ion: 70 Resp: 37386
Ion Ratio Lower Upper
70 100
42 40.6 46.2 69.2#
101 0.0 8.6 13.0#
130 1.2 18.6 27.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043388.D
Acq: 30 Oct 2019 1:23

Tgt Ion: 136 Resp: 167257
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 8.2 5.4 8.2#
68 4.5 3.3 4.9

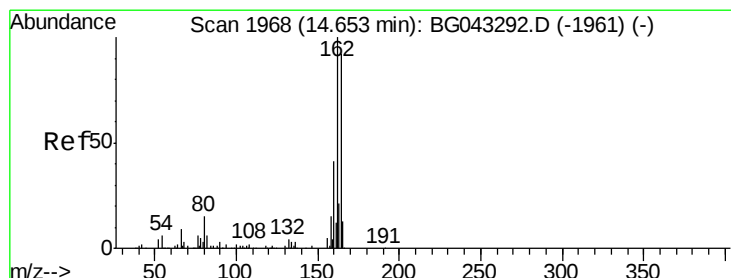
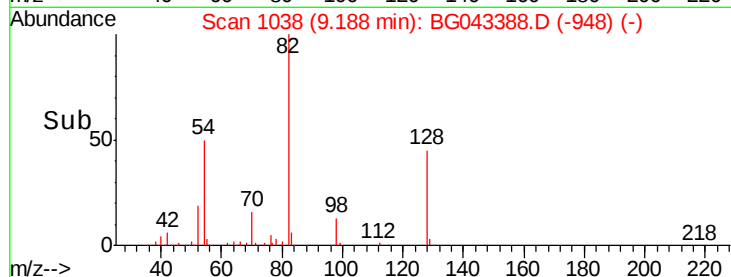
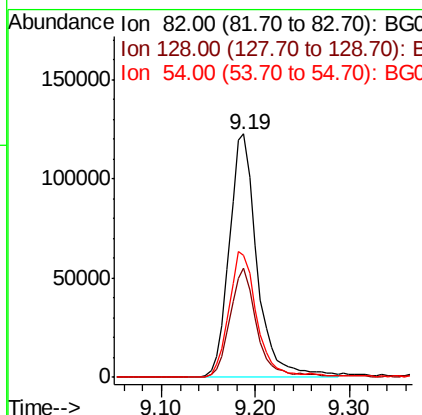
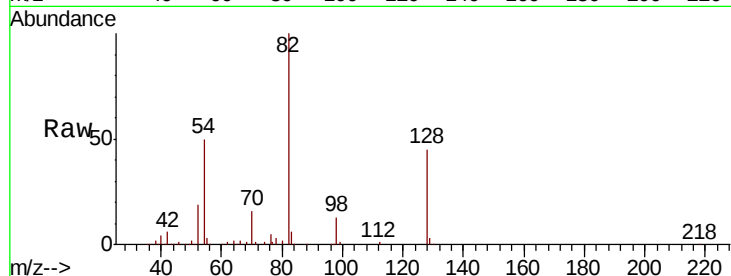




#23
 Nitrobenzene-d5
 Concen: 78.080 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG043388.D
 Acq: 30 Oct 2019 1:23

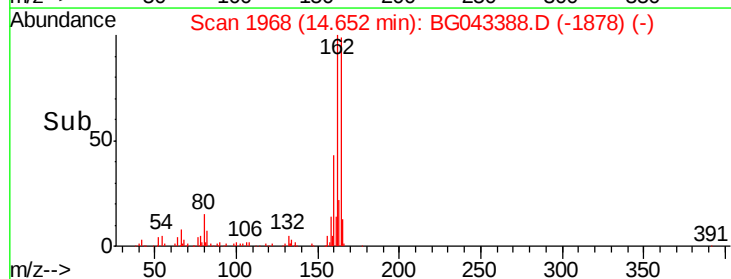
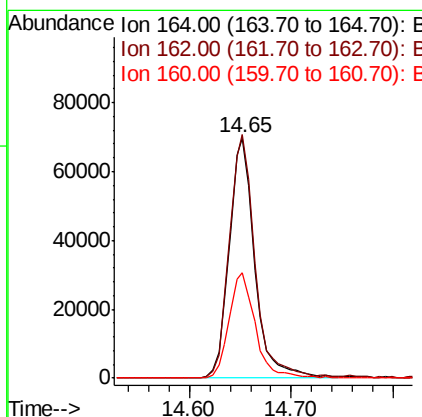
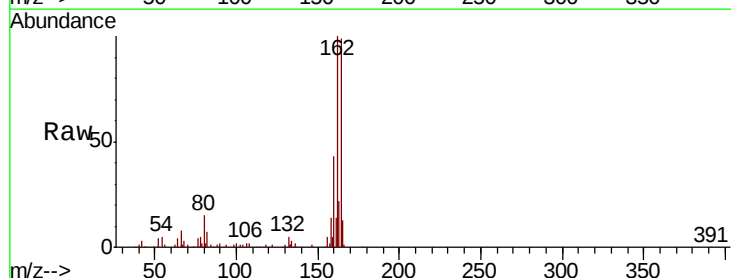
Instrument :
 BNA_G
 ClientSampleId :

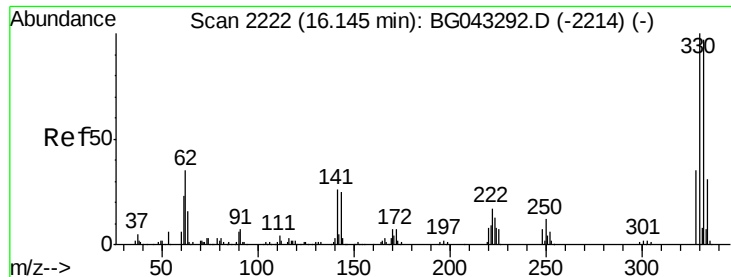
Tot Ion	82	Resp	253313
Ion Ratio	Lower	Upper	
82	100		
128	44.8	35.3	52.9
54	50.2	42.3	63.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG043388.D
 Acq: 30 Oct 2019 1:23

Tgt Ion	164	Resp	122024
Ion Ratio	Lower	Upper	
164	100		
162	101.4	87.0	130.4
160	43.7	35.5	53.3

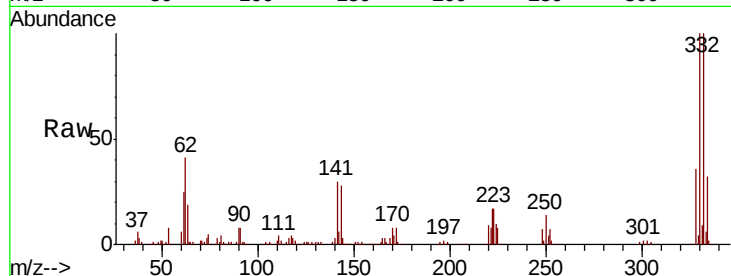




#42
 2,4,6-Tribromophenol
 Concen: 105.250 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043388.D
 Acq: 30 Oct 2019 1:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	332	141
Ion	100	97.3	28.4
Ratio			
Lower		76.4	21.4
Upper		114.6	32.0

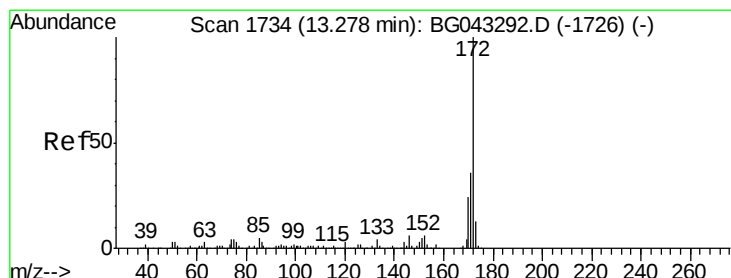
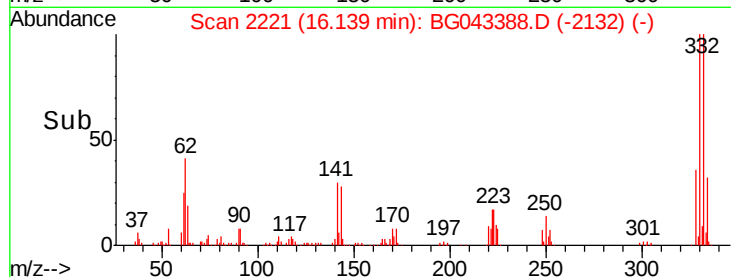
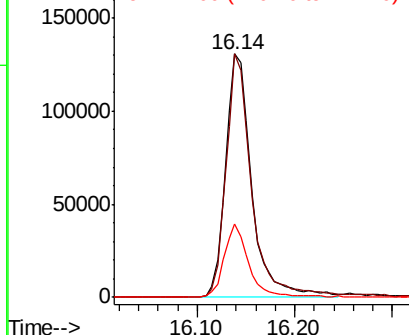


Abundance

Ion 329.80 (329.50 to 330.50): E

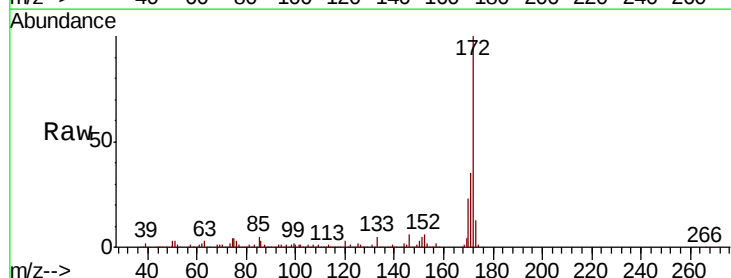
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 80.920 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043388.D
 Acq: 30 Oct 2019 1:23

Tgt Ion	172	171	170
Ion	100	34.7	22.8
Ratio			
Lower		28.5	18.8
Upper		42.7	28.2

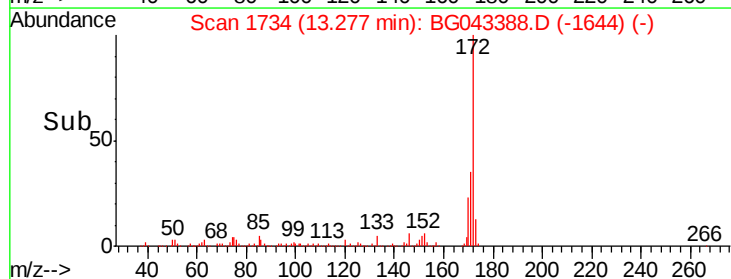
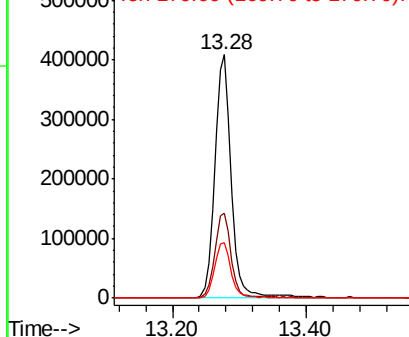


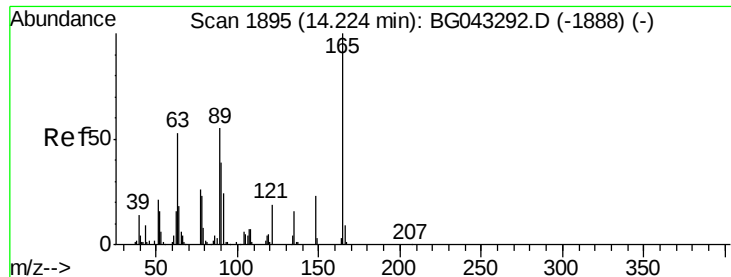
Abundance

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: 8.004 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.43 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

Instrument :

BNA_G

ClientSampleId :

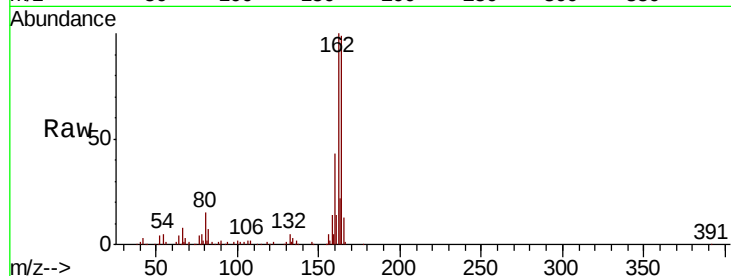
Tot Ion:165 Resp: 16435

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

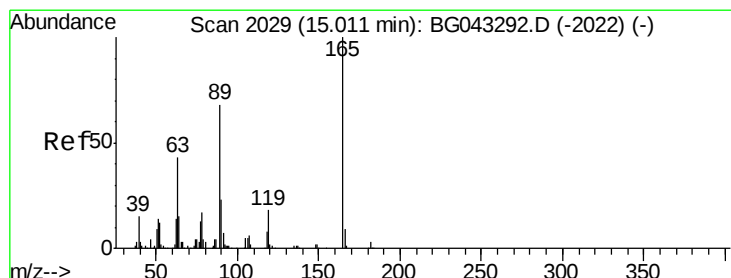
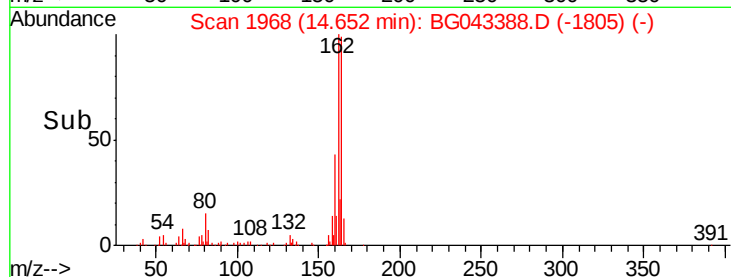
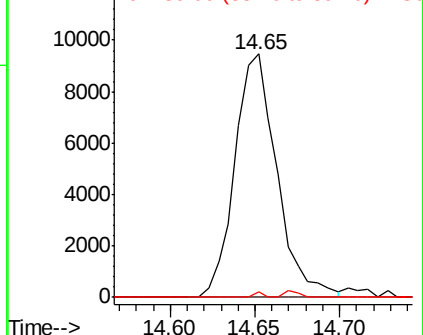
89 2.3 43.7 65.5#



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: 5.601 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

Tgt Ion:165 Resp: 16435

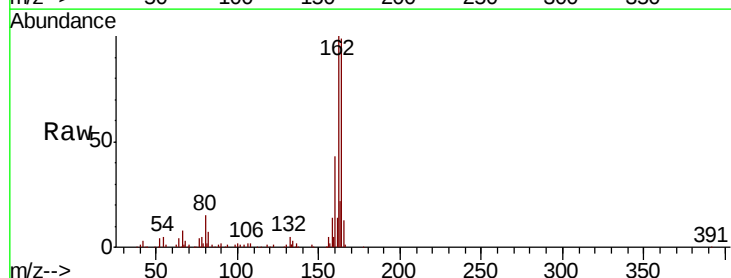
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.6#

89 2.3 54.1 81.1#

182 0.0 2.2 3.2#

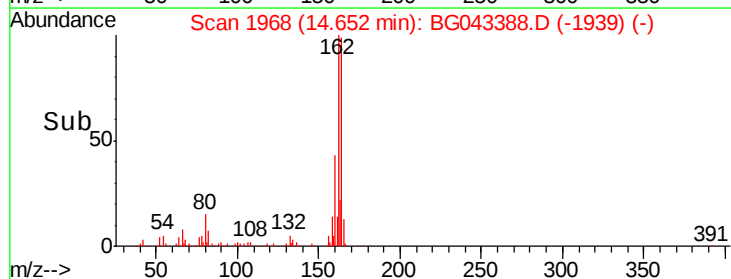
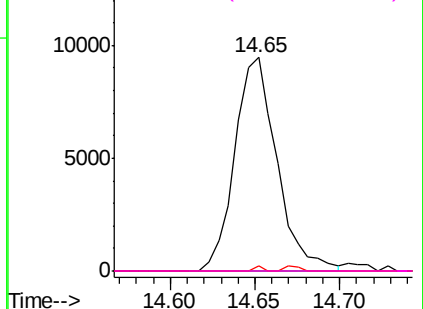


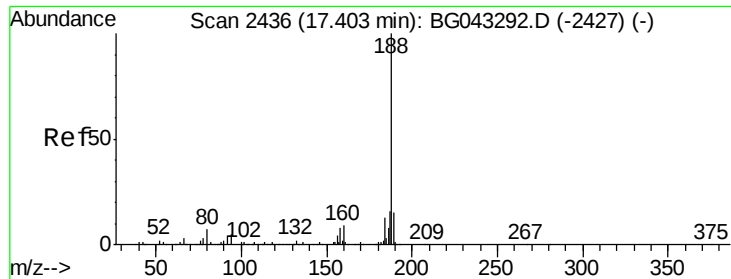
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

Instrument :

BNA_G

ClientSampleId :

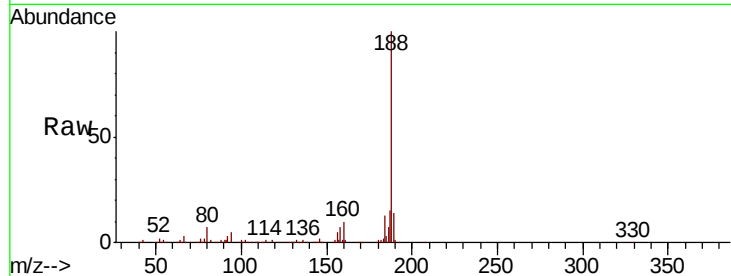
Tot Ion:188 Resp: 269724

Ion Ratio Lower Upper

188 100

94 5.0 4.2 6.2

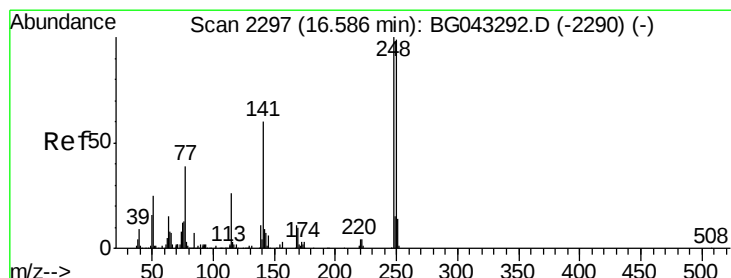
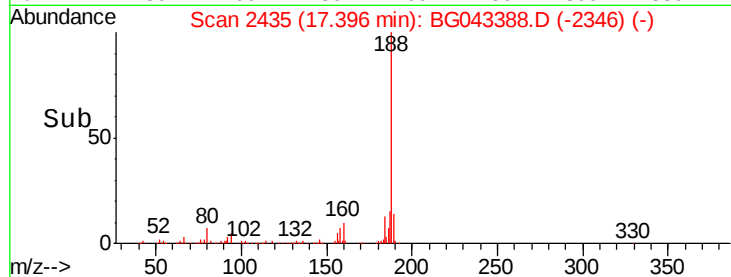
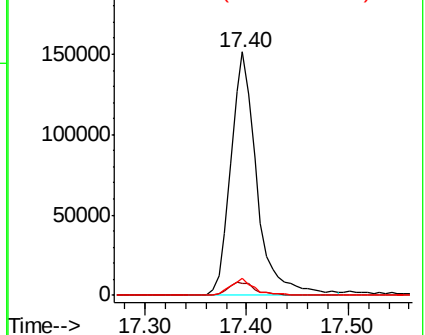
80 6.8 5.2 7.8



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: 4.726 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

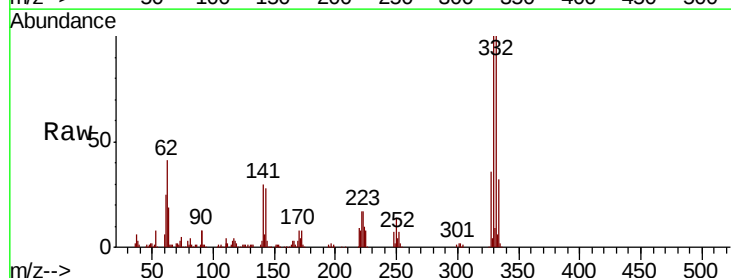
Tgt Ion:248 Resp: 17153

Ion Ratio Lower Upper

248 100

250 209.5 79.3 118.9#

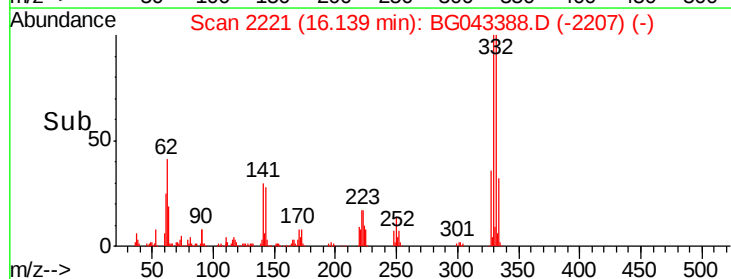
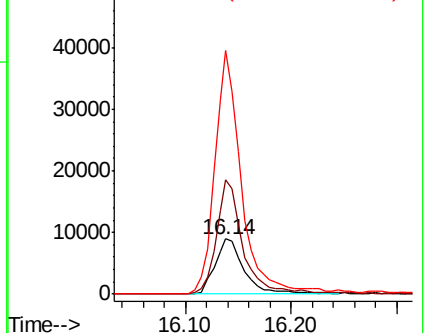
141 443.9 47.9 71.9#

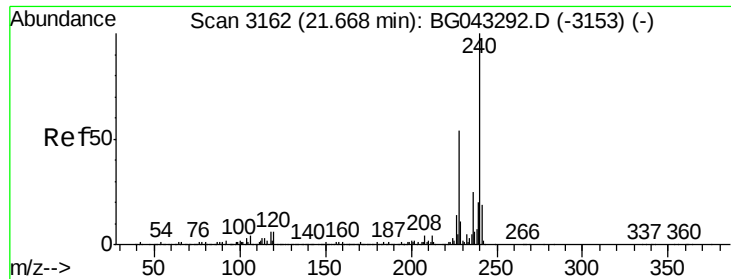


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

Instrument :

BNA_G

ClientSampleId :

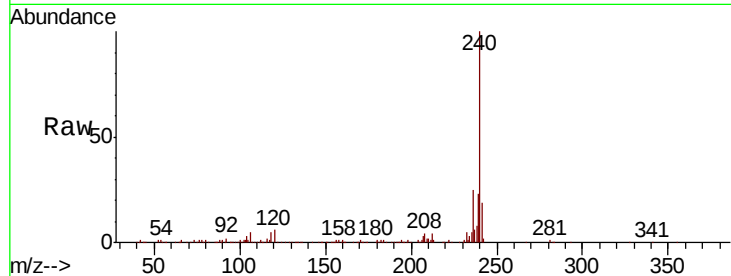
Tot Ion:240 Resp: 295286

Ion Ratio Lower Upper

240 100

120 6.0 4.6 7.0

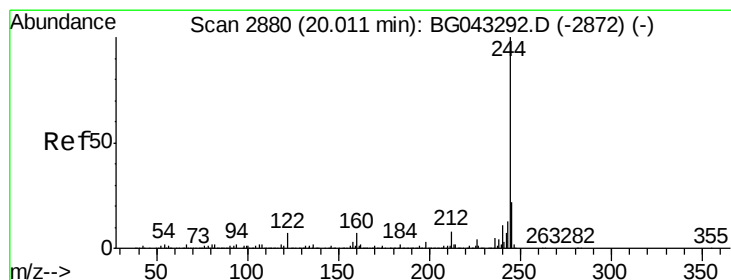
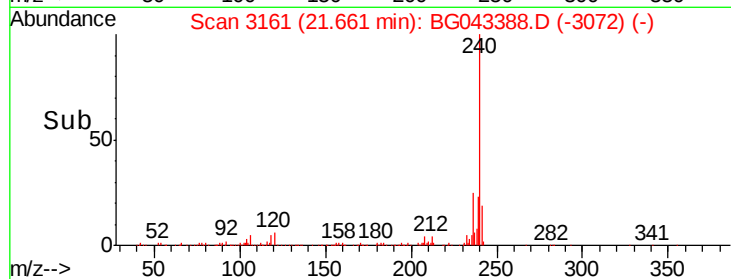
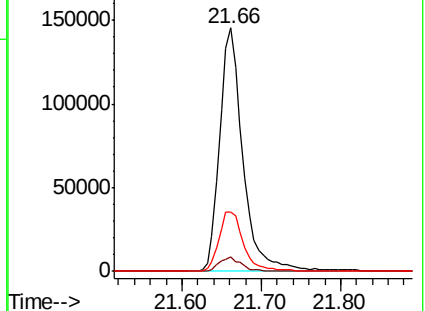
236 24.5 20.2 30.4



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: 84.941 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043388.D

Acq: 30 Oct 2019 1:23

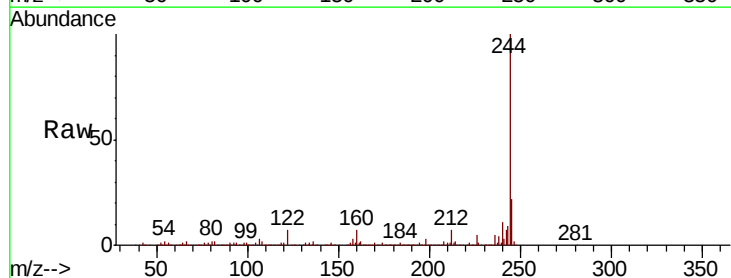
Tgt Ion:244 Resp: 1336942

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

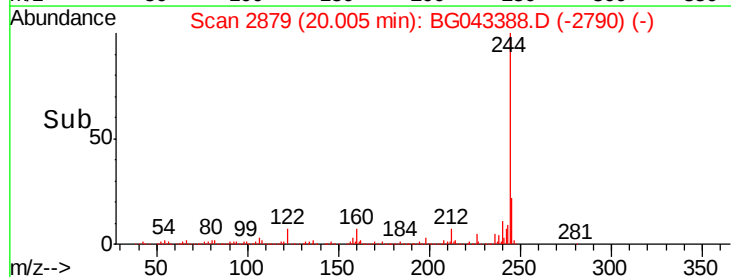
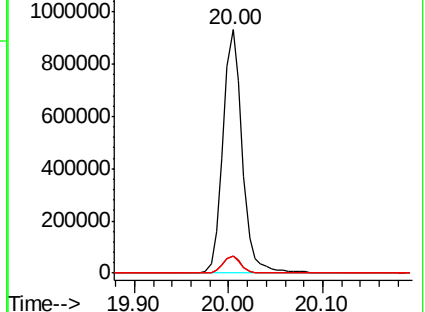
122 6.8 5.3 7.9

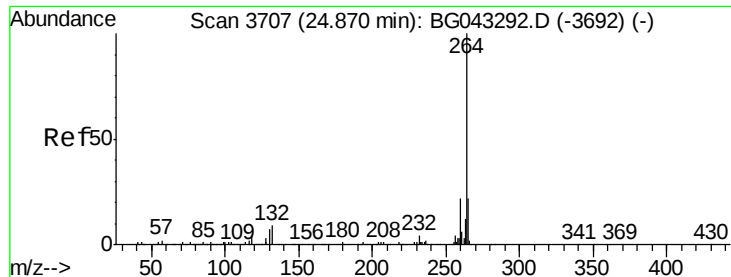


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

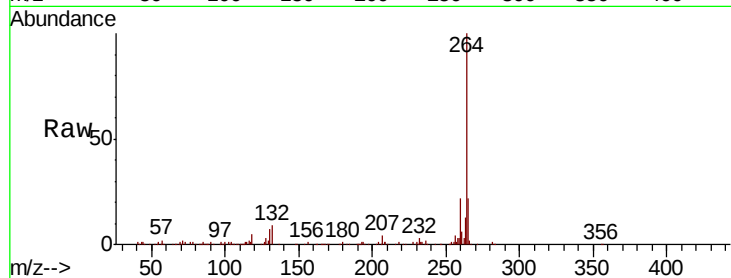




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043388.D
 Acq: 30 Oct 2019 1:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.9	26.9
265	22.4	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

