

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045711.D
 Acq On : 11 Jun 2020 6:44
 Operator : CG/JU
 Sample : L2950-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11939

Quant Time: Jun 11 07:22:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

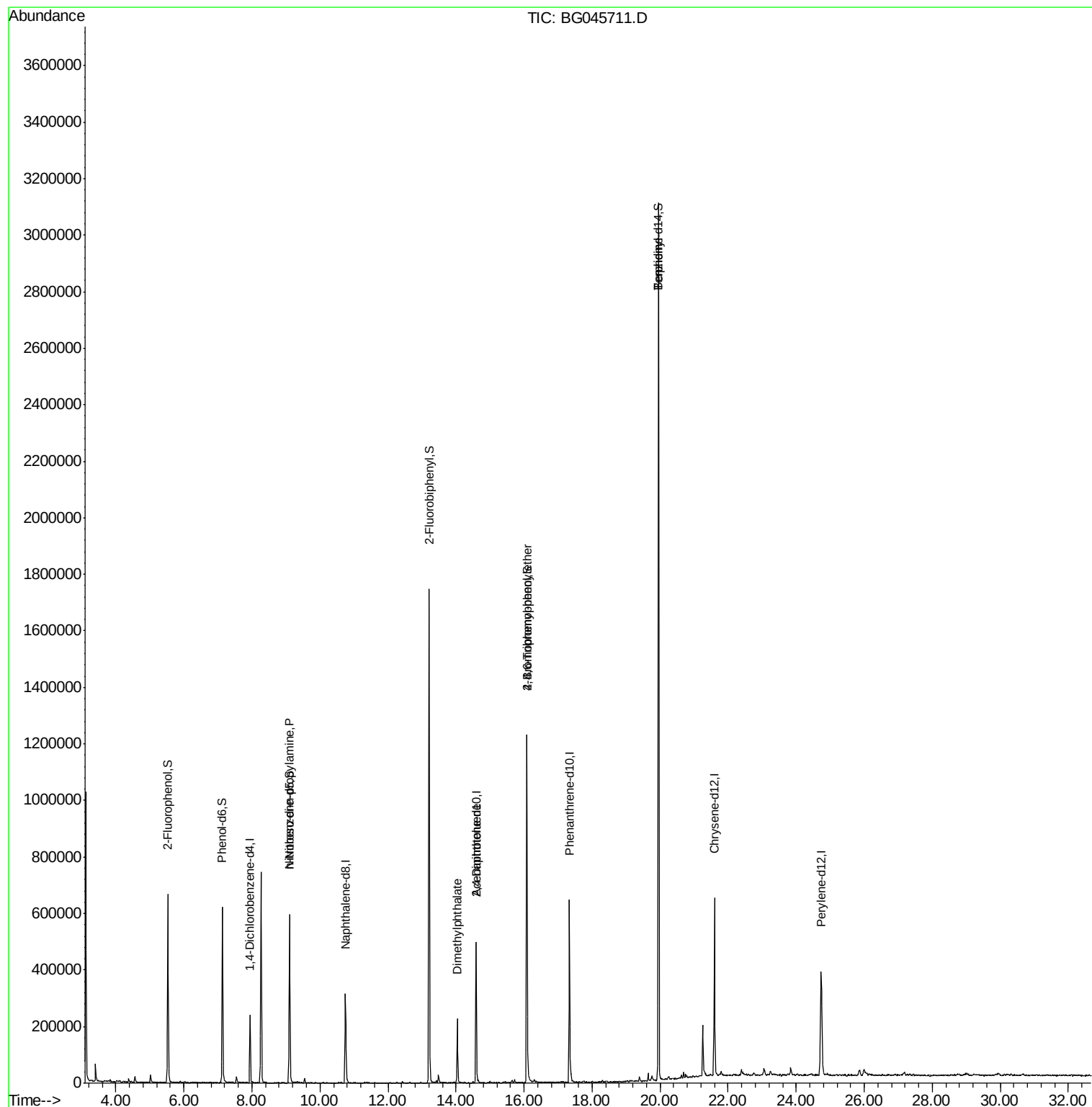
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	70809	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	278813	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	191892	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	418755	20.00	ng	0.00
76) Chrysene-d12	21.59	240	403951	20.00	ng	0.00
87) Perylene-d12	24.74	264	431569	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	311681	86.02	ng	0.00
7) Phenol-d6	7.13	99	401496	77.86	ng	-0.02
23) Nitrobenzene-d5	9.10	82	410386	80.27	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	267237	108.89	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	962794	85.11	ng	0.00
79) Terphenyl-d14	19.95	244	1525429	88.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	57767	16.199	ng	Qvalue # 81
50) Dimethylphthalate	14.04	163	157992	12.002	ng	99
57) 2,4-Dinitrotoluene	14.59	165	25445	5.915	ng	# 23
67) 4-Bromophenyl-phenylether	16.08	248	18382	4.054	ng	# 1
77) Benzidine	19.95	184	28934	2.550	ng	# 92

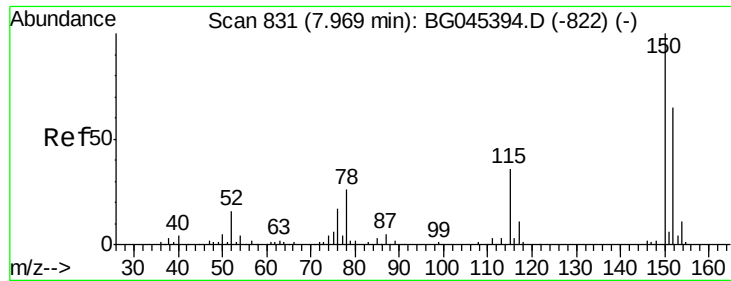
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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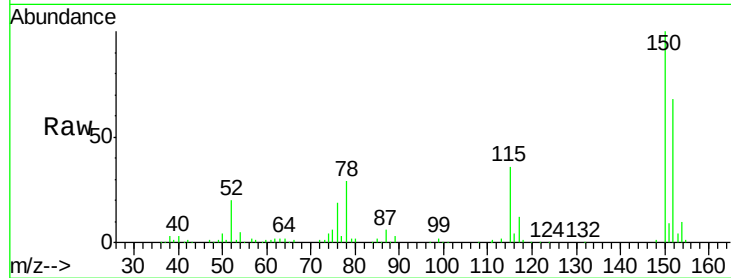


#1

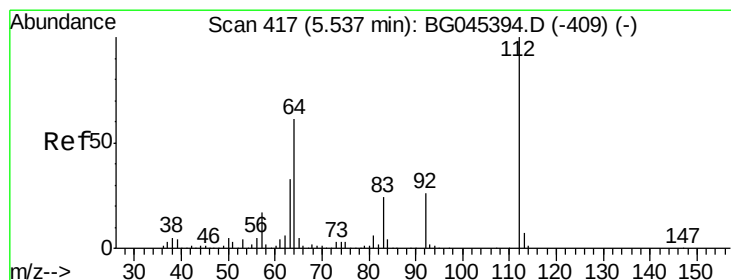
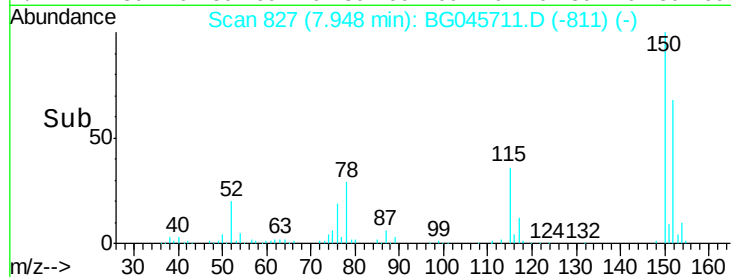
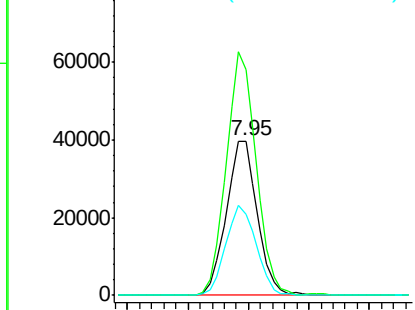
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Instrument :
BNA_G
ClientSampleId :
72-11939

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.1	122.4	183.6
115	52.5	44.2	66.4



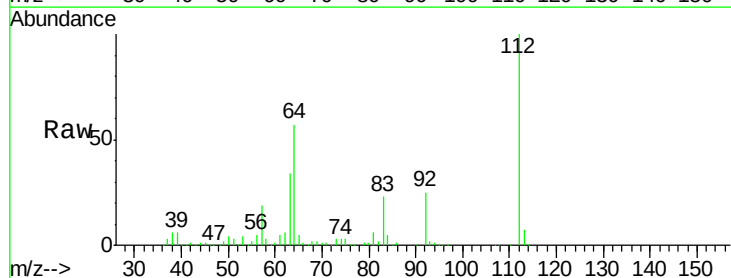
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



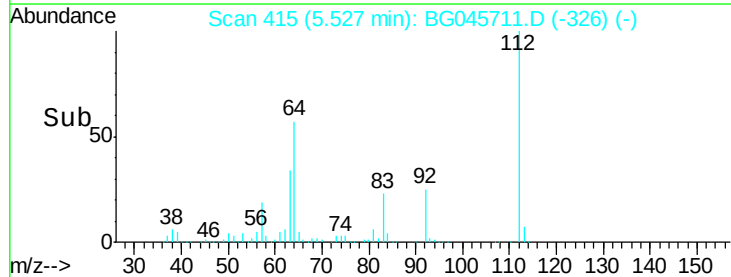
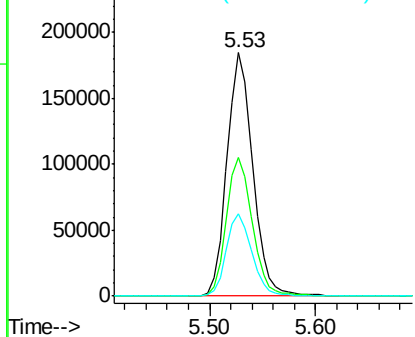
#5

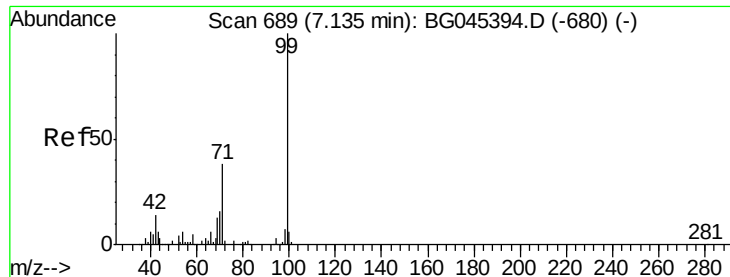
2-Fluorophenol
Concen: 86.023 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	48.6	72.8
63	33.7	26.5	39.7



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





#7

Phenol-d6

Concen: 77.855 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

Instrument :

BNA_G

ClientSampleId :

72-11939

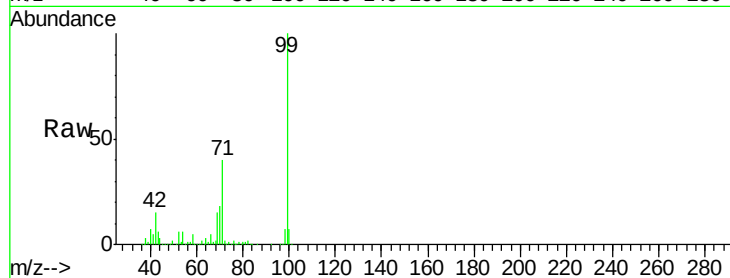
Tot Ion: 99 Resp: 401496

Ion Ratio Lower Upper

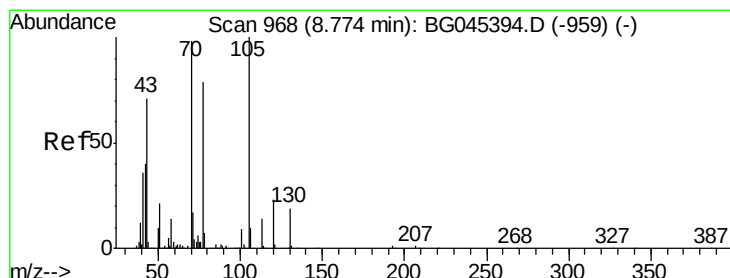
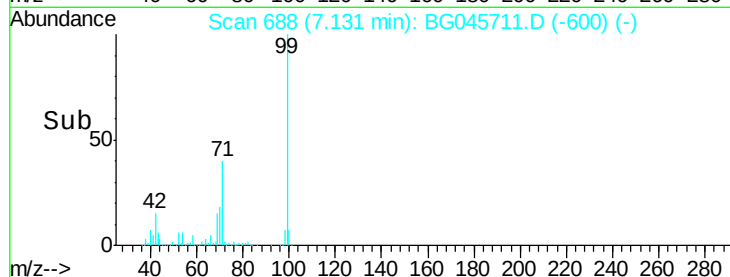
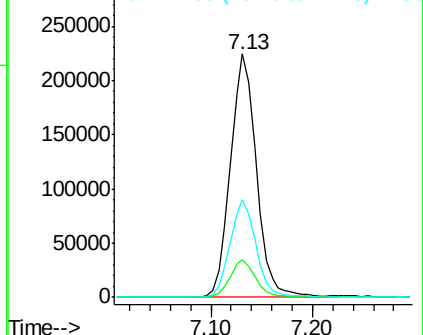
99 100

42 15.4 11.3 16.9

71 40.2 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.199 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

Tgt Ion: 70 Resp: 57767

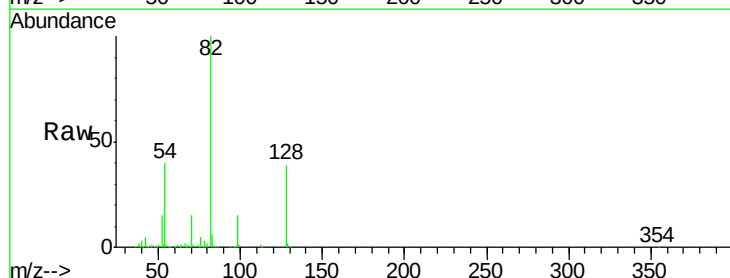
Ion Ratio Lower Upper

70 100

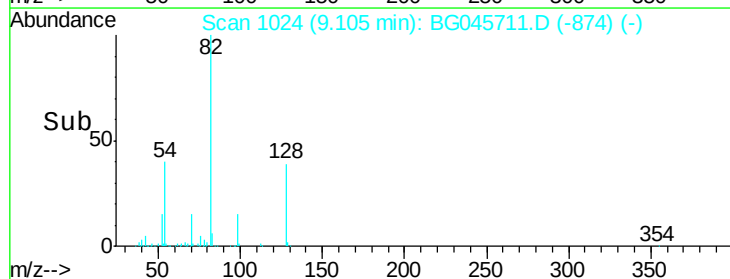
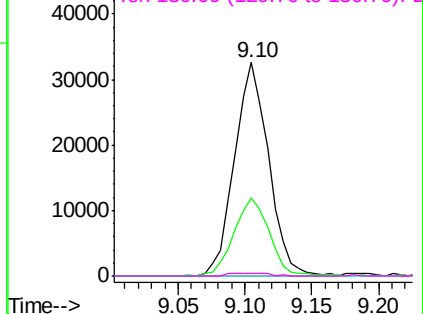
42 36.4 33.2 49.8

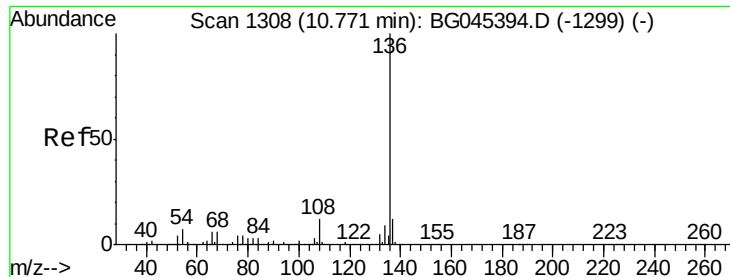
101 0.0 7.8 11.6#

130 1.3 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

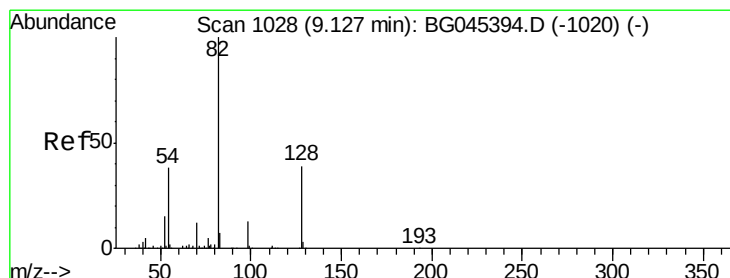
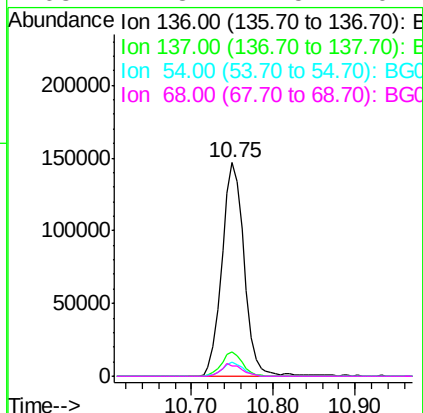
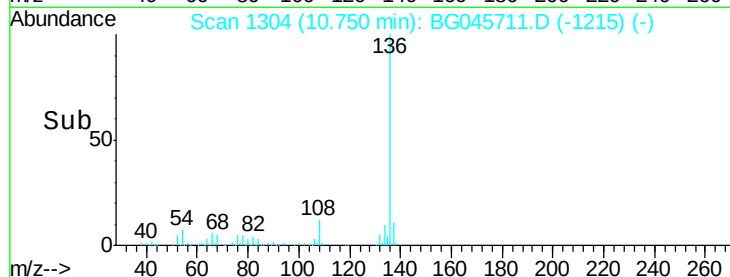
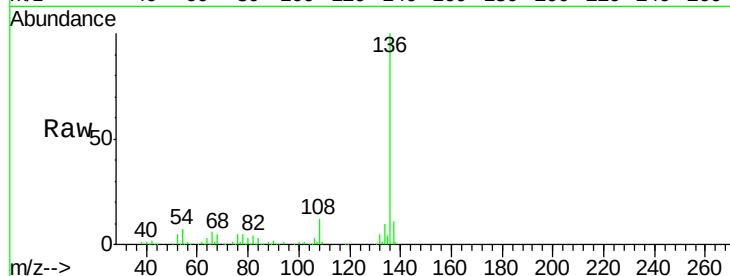




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

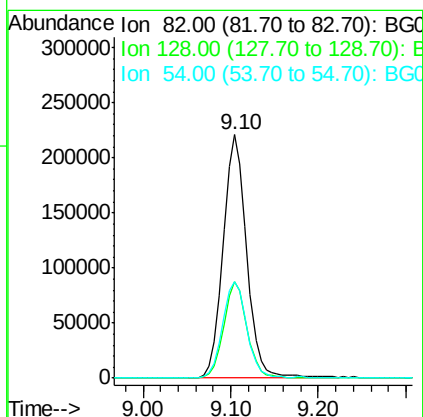
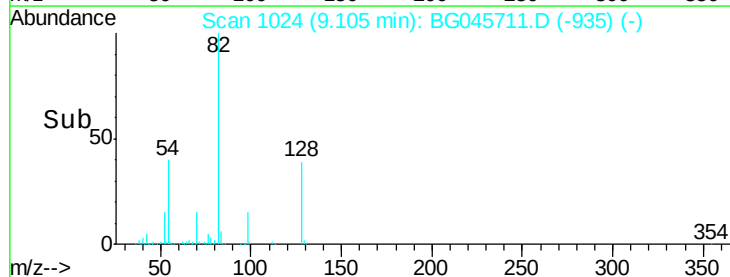
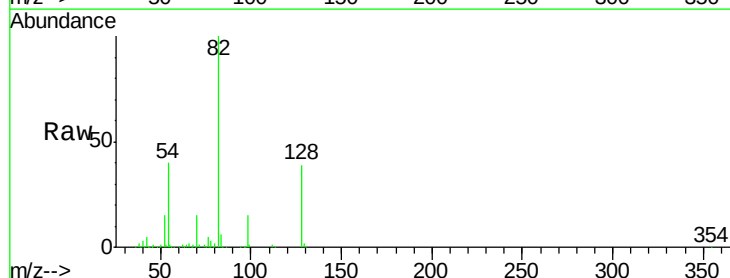
Instrument :
BNA_G
ClientSampleId :
72-11939

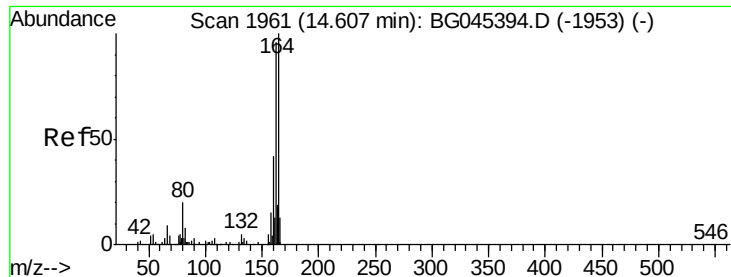
Tot Ion:136	Resp:	278813	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	9.4	14.2	
54 6.7	5.8	8.6	
68 4.8	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 80.265 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Tgt	Ion: 82	Resp:	410386
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.9	46.3
54	39.7	30.3	45.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

Instrument :

BNA_G

ClientSampleId :

72-11939

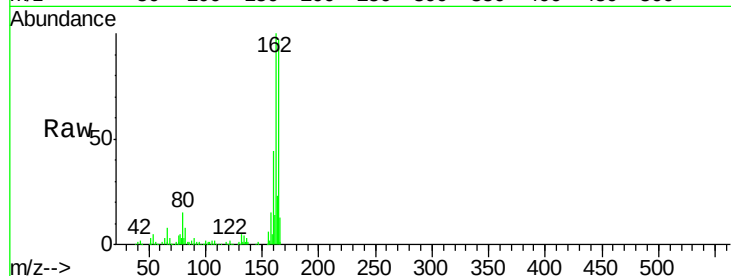
Tot Ion:164 Resp: 191892

Ion Ratio Lower Upper

164 100

162 103.2 76.9 115.3

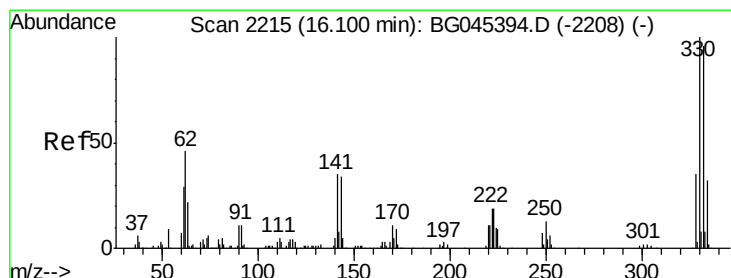
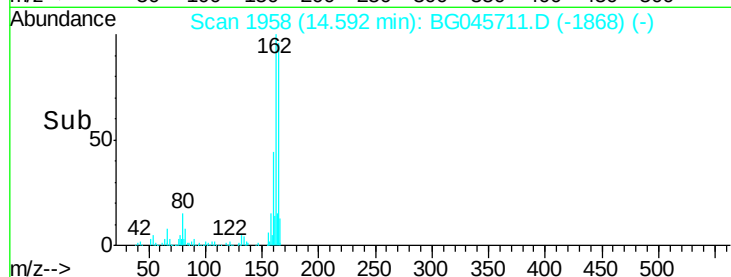
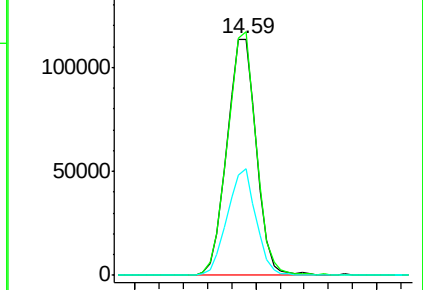
160 45.4 33.8 50.8



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: 108.895 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

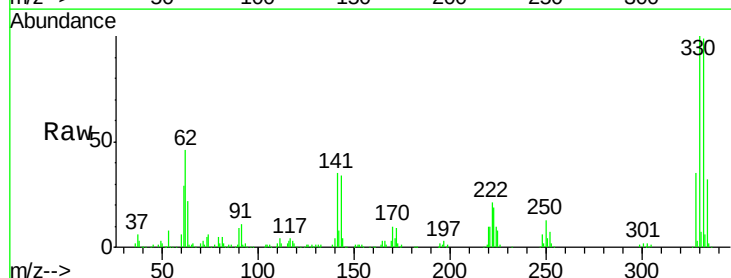
Tgt Ion:330 Resp: 267237

Ion Ratio Lower Upper

330 100

332 95.3 78.2 117.4

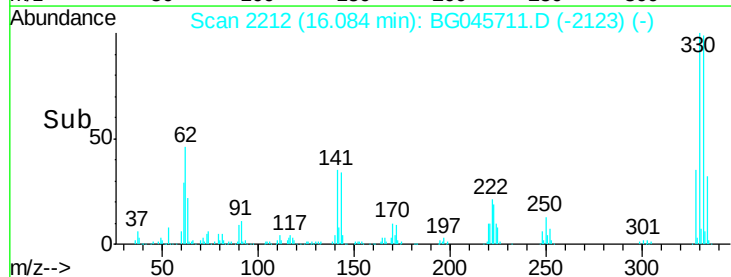
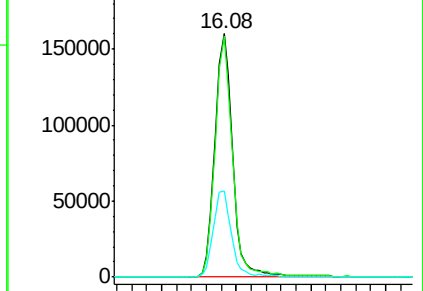
141 36.2 28.2 42.4

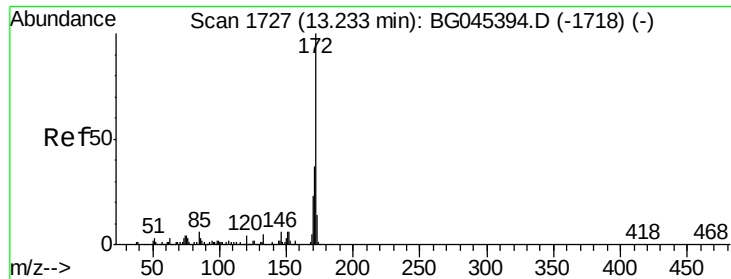


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

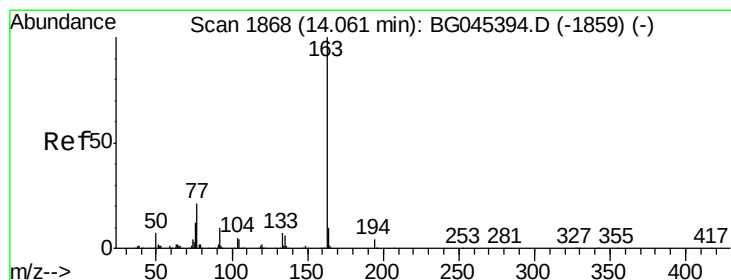
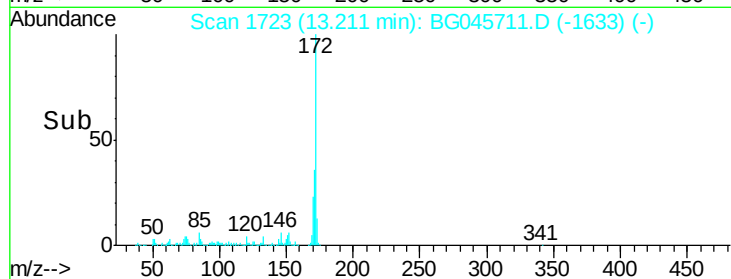
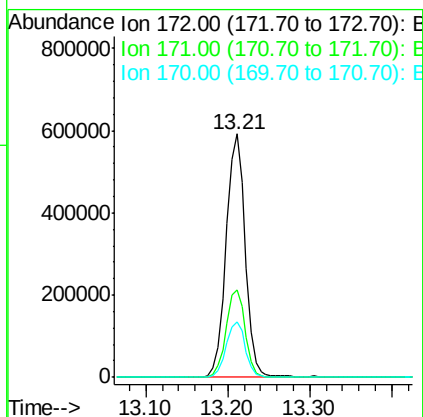
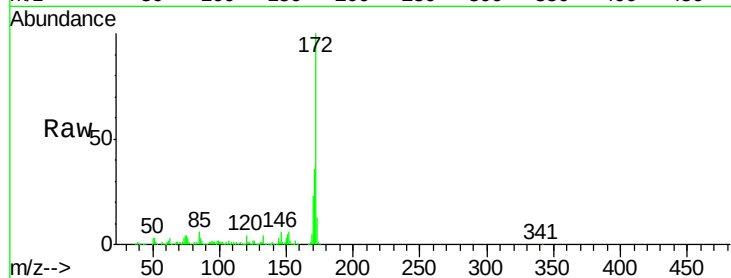




#45
2-Fluorobiphenyl
Concen: 85.105 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.00 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

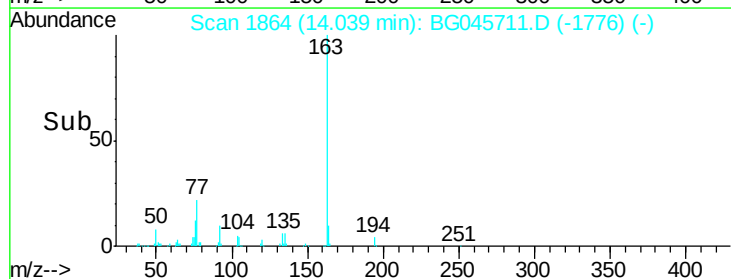
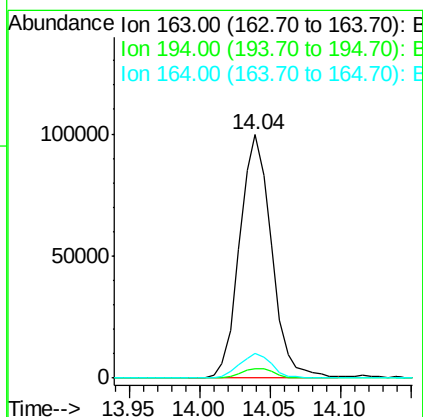
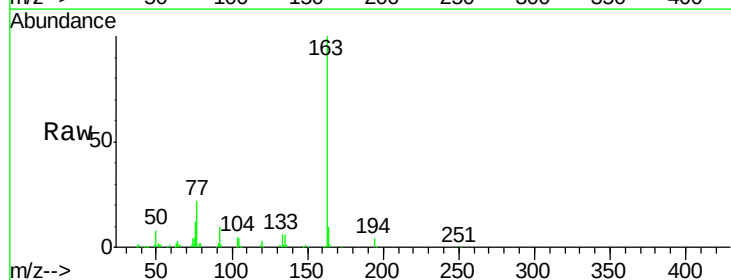
Instrument :
BNA_G
ClientSampleId :
72-11939

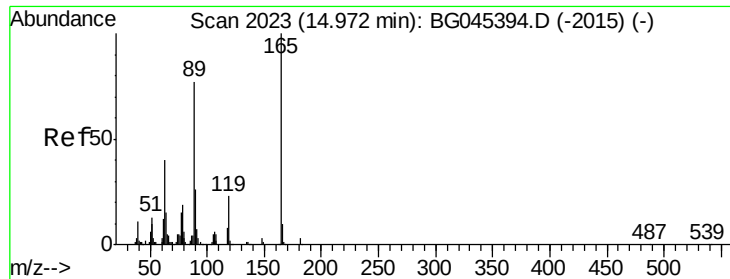
Tot Ion:172 Resp: 962794
Ion Ratio Lower Upper
172 100
171 35.7 29.5 44.3
170 22.9 18.5 27.7



#50
Dimethylphthalate
Concen: 12.002 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Tgt Ion:163 Resp: 157992
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.0 8.3 12.5





#57

2,4-Dinitrotoluene

Concen: 5.915 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

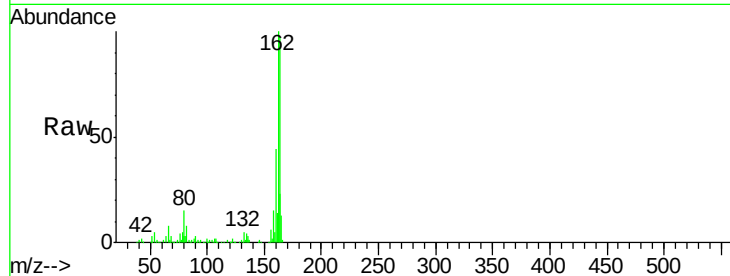
Instrument :

BNA_G

ClientSampleId :

72-11939

Tot Ion:165	Resp:	25445
Ion Ratio	Lower	Upper
165	100	
63	0.0	32.5 48.7#
89	2.5	61.8 92.6#
182	0.0	2.3 3.5#

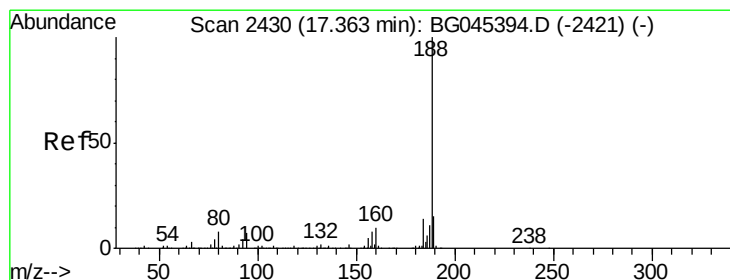
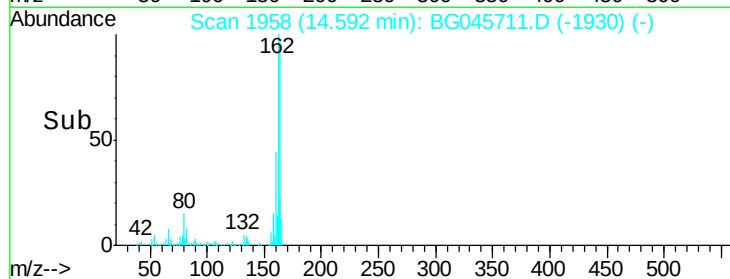
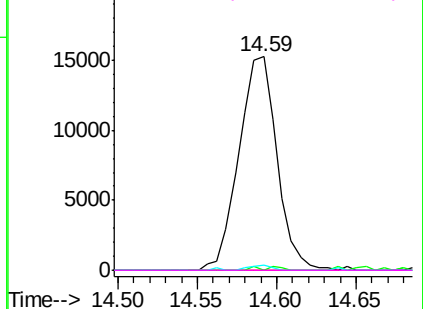


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

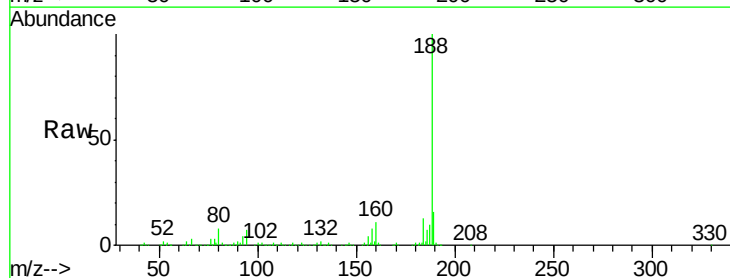
RT: 17.33 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

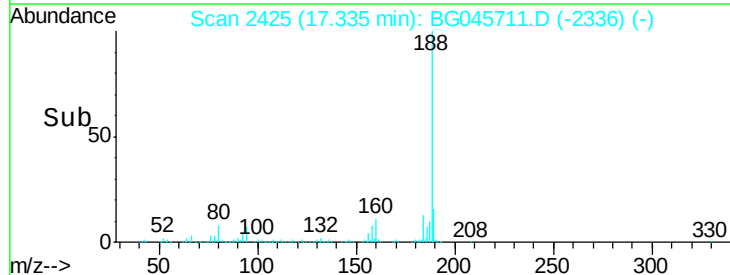
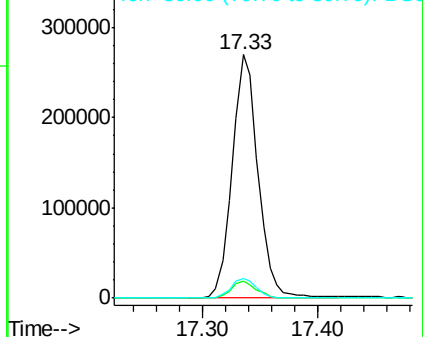
Tgt Ion:188	Resp:	418755
Ion Ratio	Lower	Upper
188	100	
94	7.1	5.5 8.3
80	8.0	6.6 10.0

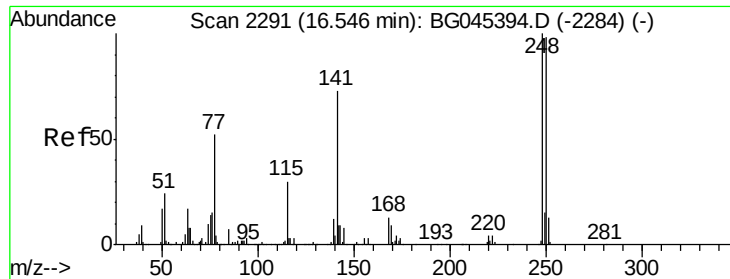


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

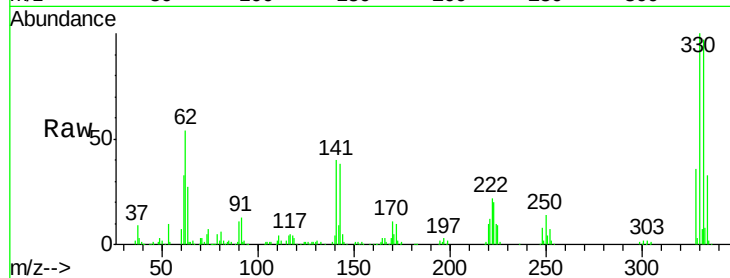




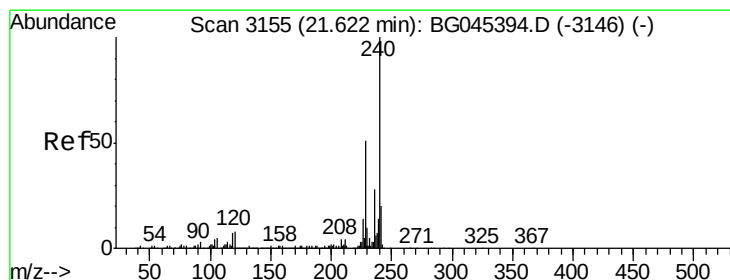
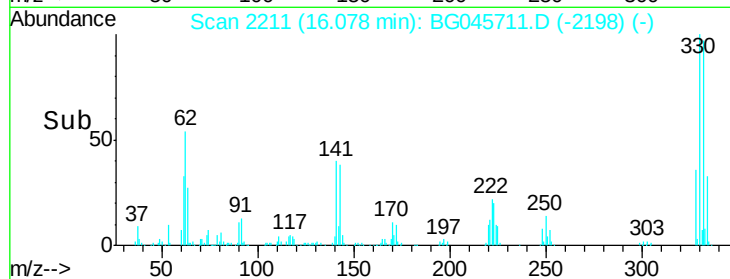
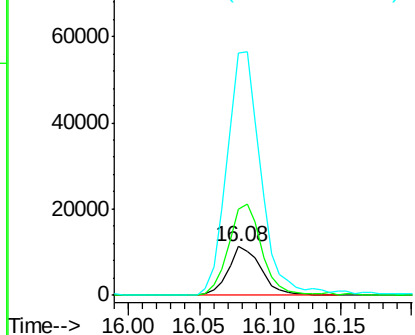
#67
4-Bromophenyl-phenylether
Concen: 4.054 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.46 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Instrument :
BNA_G
ClientSampleId :
72-11939

Tot Ion:248 Resp: 18382
Ion Ratio Lower Upper
248 100
250 176.6 78.6 117.8#
141 498.5 58.2 87.2#

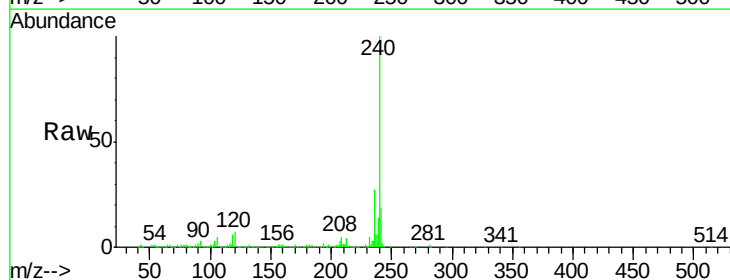


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

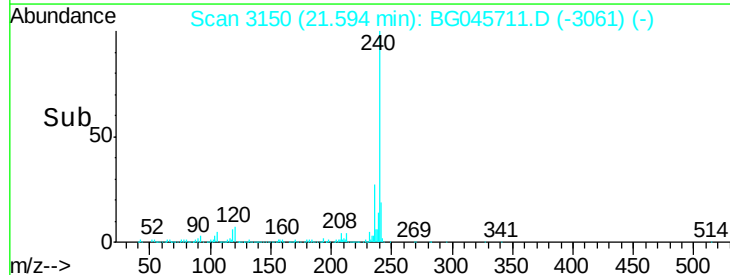
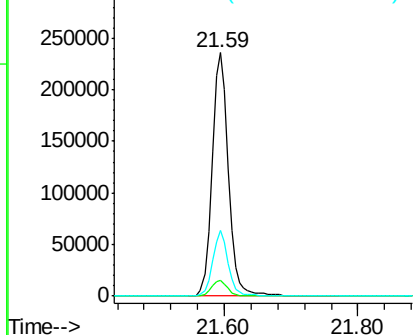


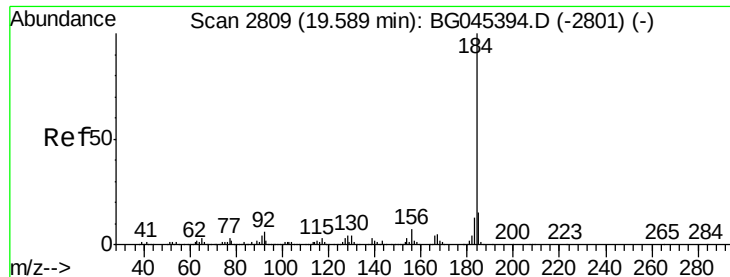
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.59 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Tgt Ion:240 Resp: 403951
Ion Ratio Lower Upper
240 100
120 6.7 6.1 9.1
236 27.0 22.3 33.5



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: 2.550 ng

RT: 19.95 min Scan# 2871

Delta R.T. 0.38 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

Instrument :

BNA_G

ClientSampled :

72-11939

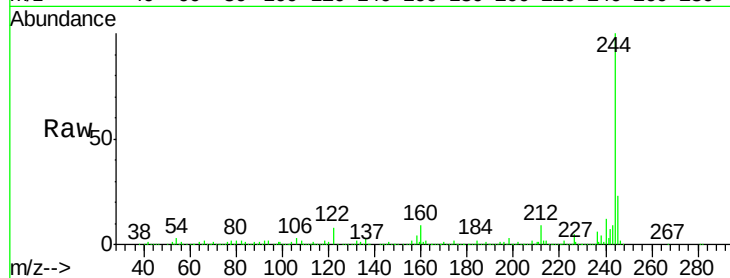
Tot Ion:184 Resp: 28934

Ion Ratio Lower Upper

184 100

185 17.3 11.7 17.5

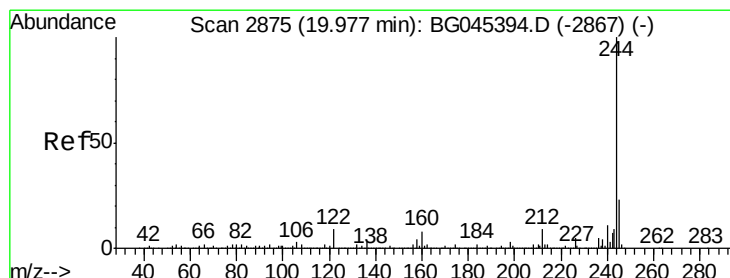
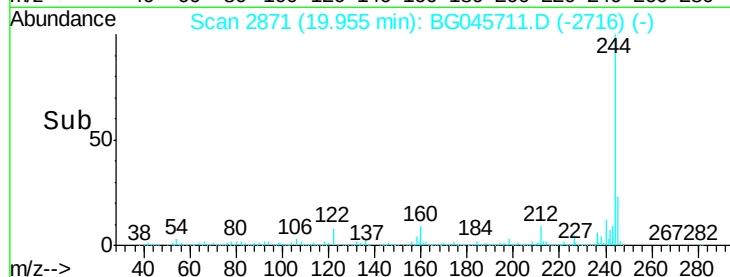
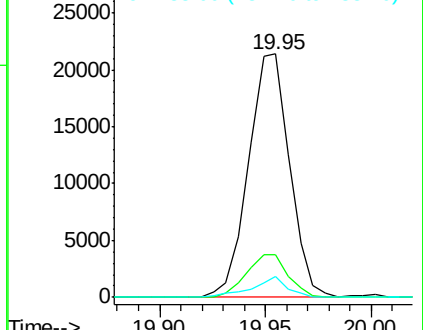
183 8.8 10.2 15.4#



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: 88.074 ng

RT: 19.95 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045711.D

Acq: 11 Jun 2020 6:44

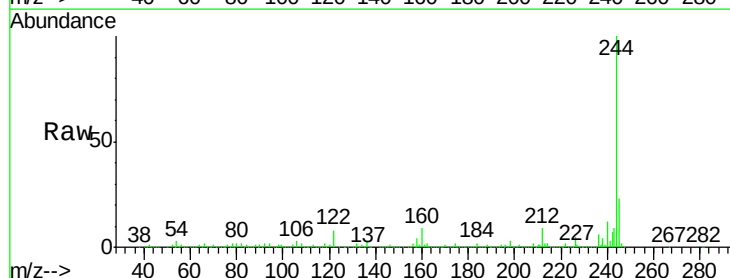
Tgt Ion:244 Resp: 1525429

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

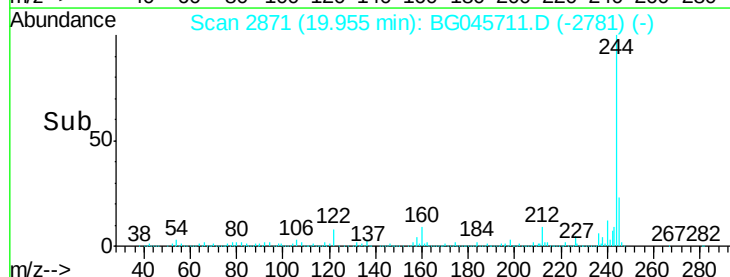
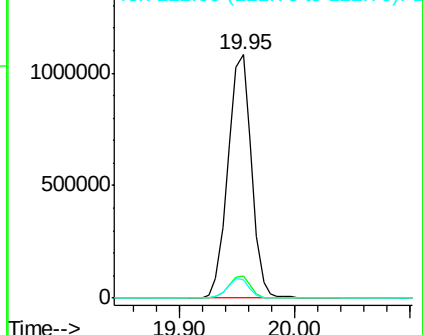
122 7.7 6.8 10.2

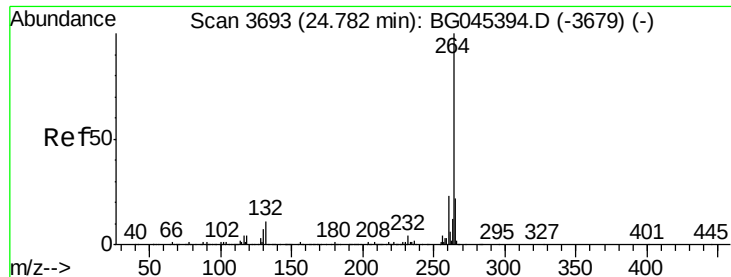


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

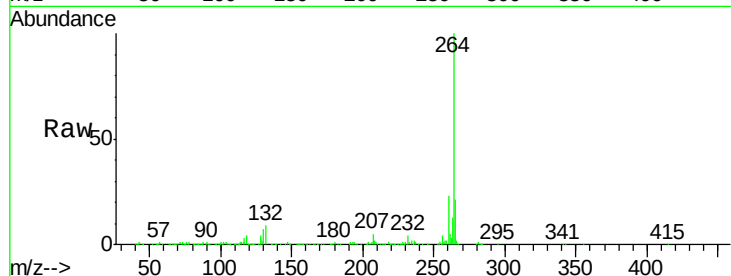




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.74 min Scan# 3685
Delta R.T. -0.02 min
Lab File: BG045711.D
Acq: 11 Jun 2020 6:44

Instrument :
BNA_G
ClientSampleId :
72-11939

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	20.7	17.6	26.4



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

