

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044480.D
 Acq On : 18 Feb 2020 19:58
 Operator : CG/JU
 Sample : L1544-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 19 01:20:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

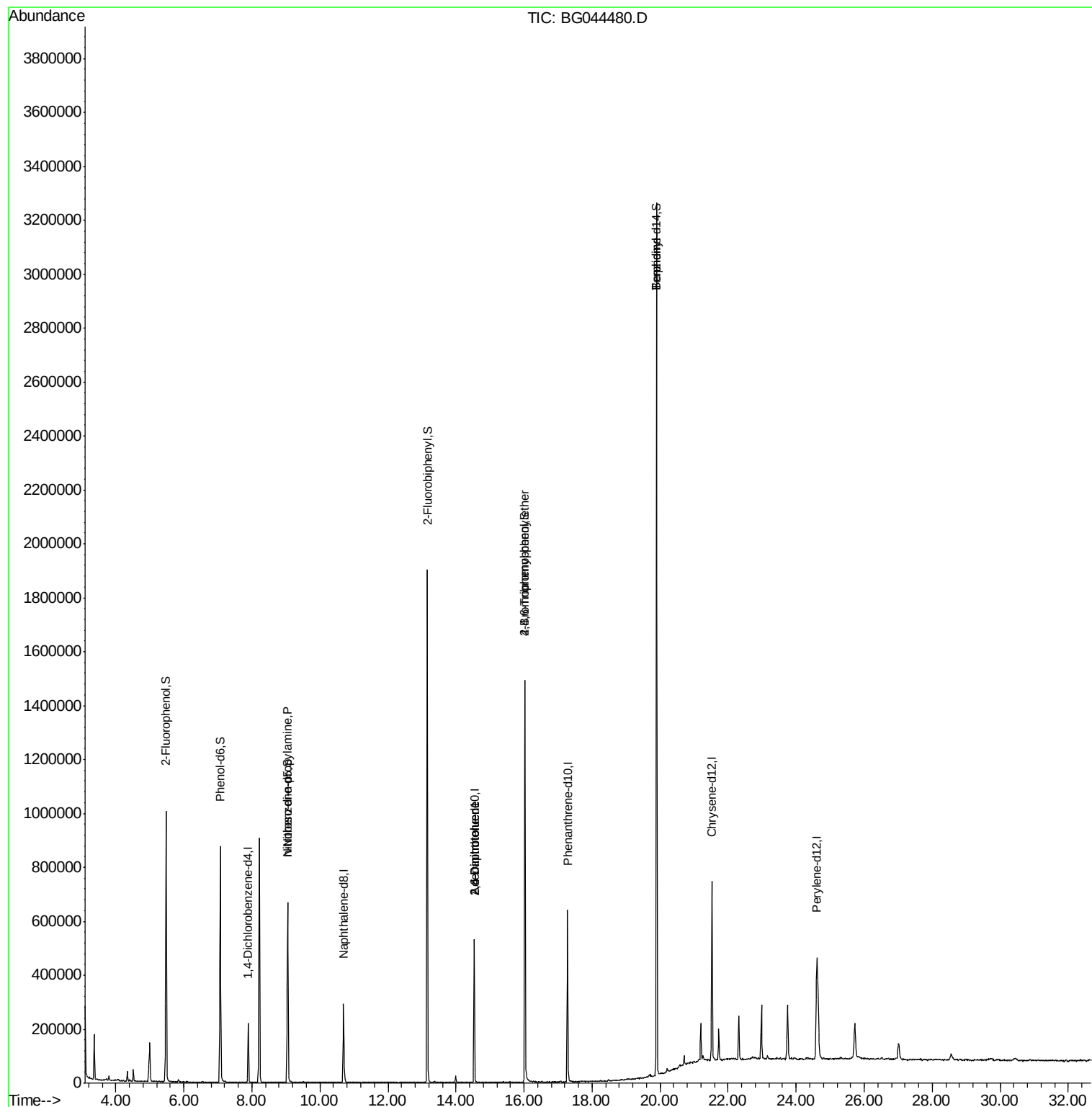
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	67220	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	278950	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	193951	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	417210	20.00	ng	0.00
76) Chrysene-d12	21.52	240	388512	20.00	ng	-0.02
87) Perylene-d12	24.61	264	415652	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	487073	127.88	ng	0.00
7) Phenol-d6	7.07	99	584125	114.21	ng	0.00
23) Nitrobenzene-d5	9.05	82	440382	89.13	ng	-0.02
42) 2,4,6-Tribromophenol	16.03	330	317428	139.41	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	1040650	89.85	ng	0.00
79) Terphenyl-d14	19.89	244	1593340	84.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	56882	16.687	ng	# 74
51) 2,6-Dinitrotoluene	14.54	165	24985	8.038	ng	# 29
57) 2,4-Dinitrotoluene	14.54	165	24985	5.735	ng	# 27
67) 4-Bromophenyl-phenylether	16.02	248	22158	4.875	ng	# 1
77) Benzidine	19.89	184	25764	2.391	ng	# 93

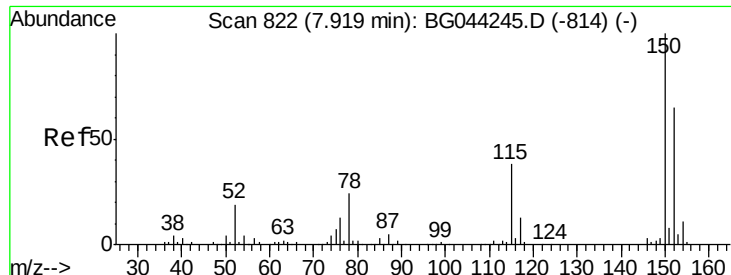
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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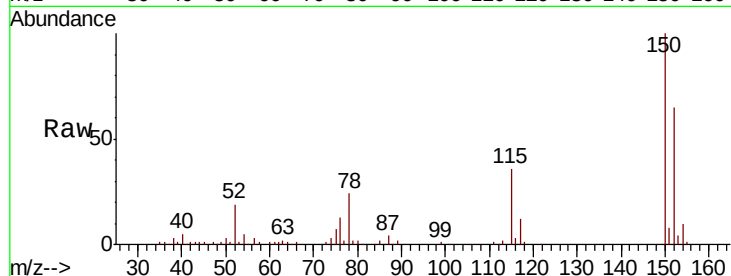


#1

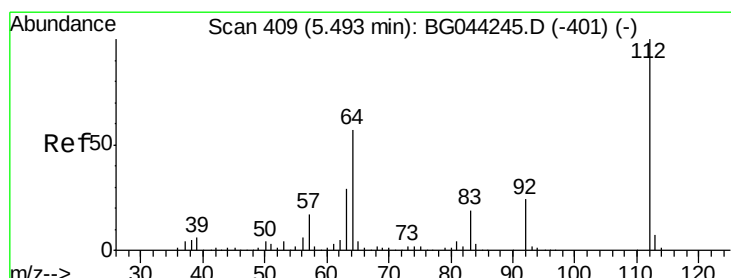
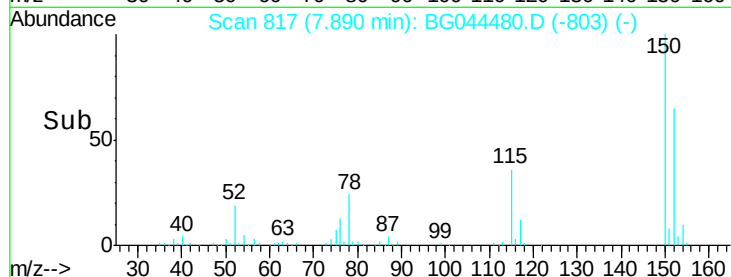
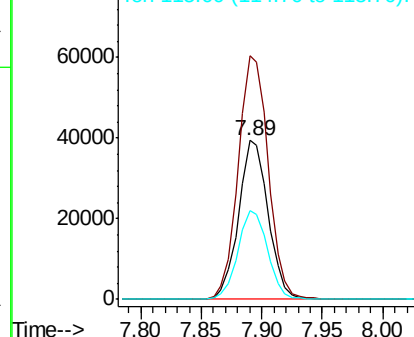
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044480.D
Acq: 18 Feb 2020 19:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	122.6	183.8
115	55.6	46.0	69.0



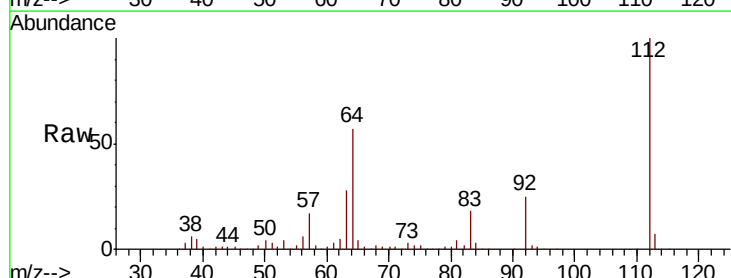
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



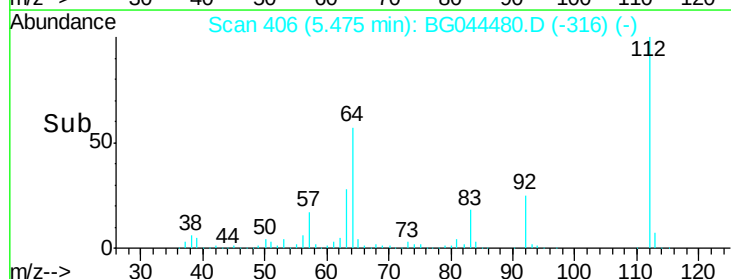
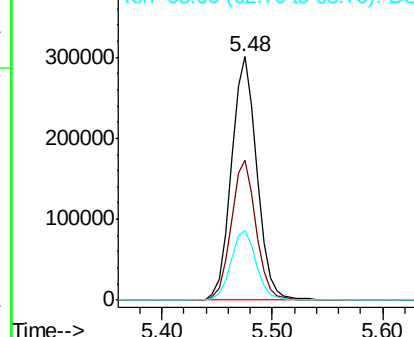
#5

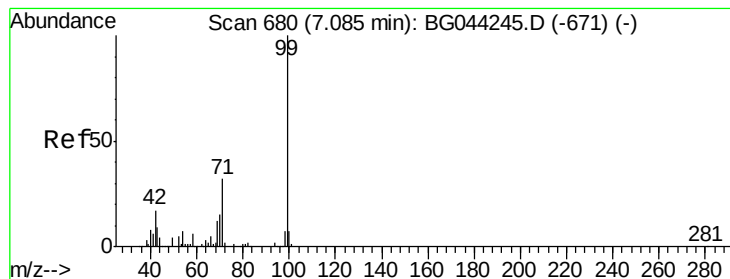
2-Fluorophenol
Concen: 127.880 ng
RT: 5.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: BG044480.D
Acq: 18 Feb 2020 19:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	45.4	68.2
63	28.4	22.9	34.3



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: 114.205 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

Instrument :

BNA_G

ClientSampleId :

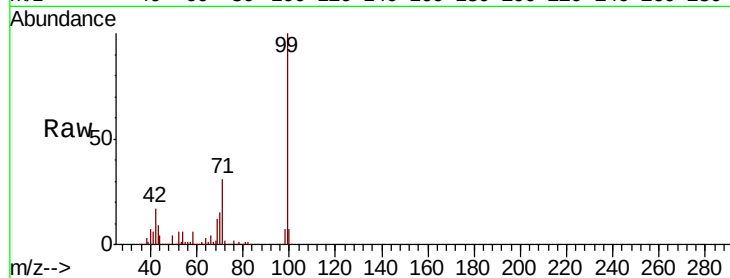
Tot Ion: 99 Resp: 584125

Ion Ratio Lower Upper

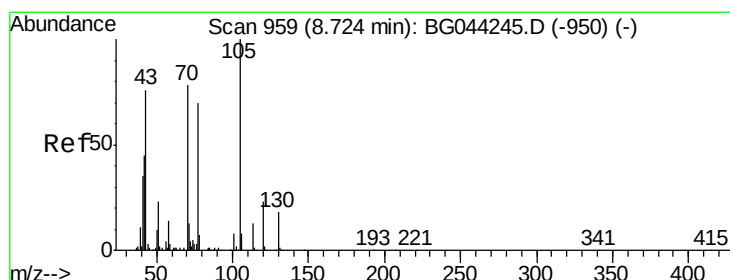
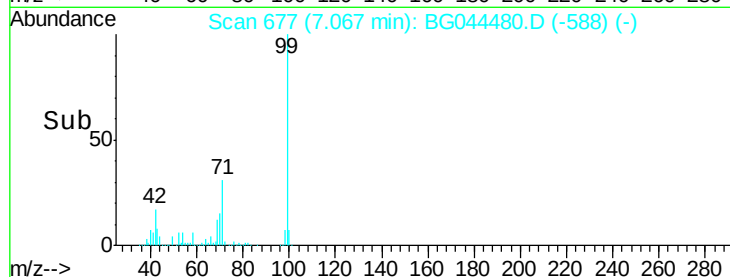
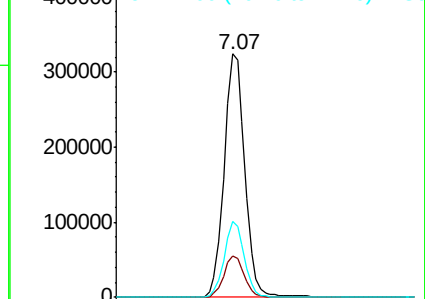
99 100

42 16.8 13.8 20.6

71 31.3 25.5 38.3



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: 16.687 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

Tgt Ion: 70 Resp: 56882

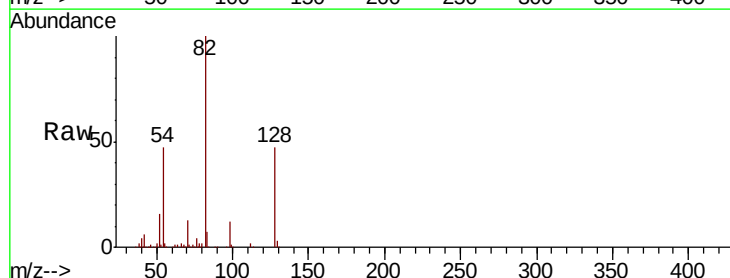
Ion Ratio Lower Upper

70 100

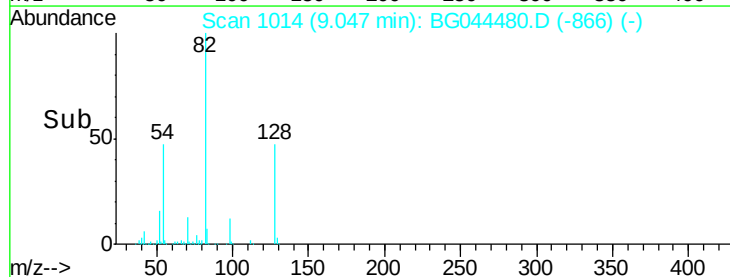
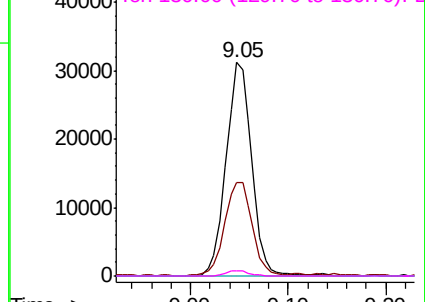
42 43.6 46.2 69.2#

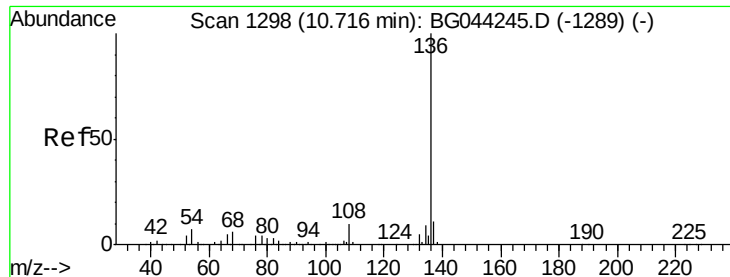
101 0.0 8.4 12.6#

130 2.5 17.8 26.8#



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

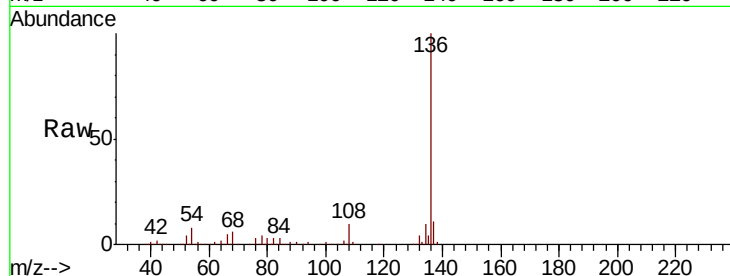




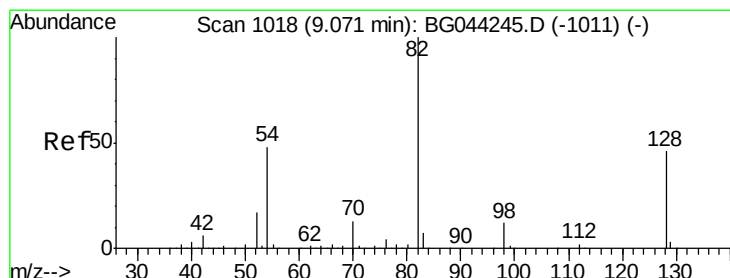
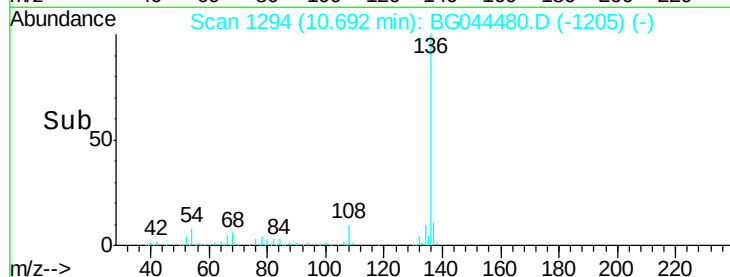
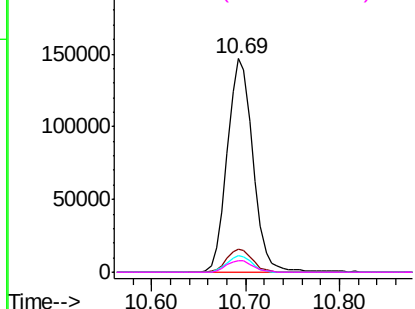
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044480.D
Acq: 18 Feb 2020 19:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	278950
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.8	13.2
54 7.5	5.8	8.8
68 5.6	4.6	6.8

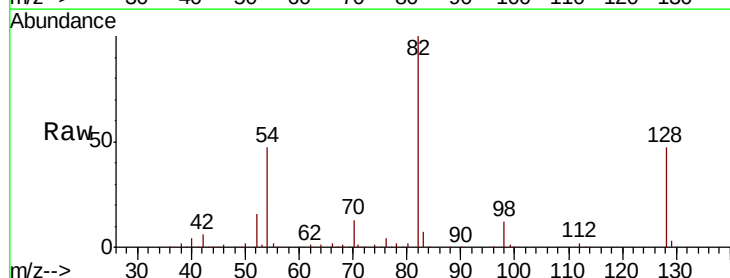


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

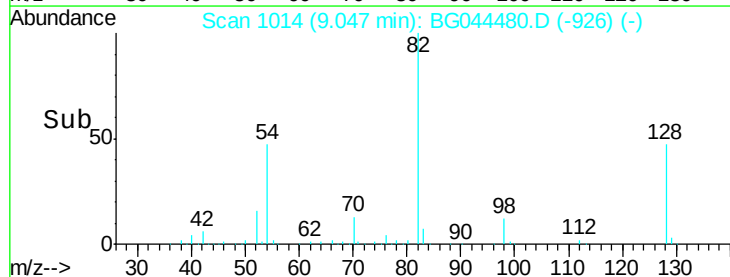
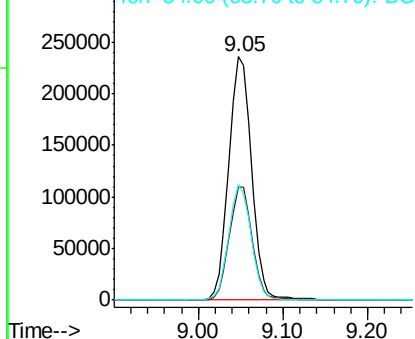


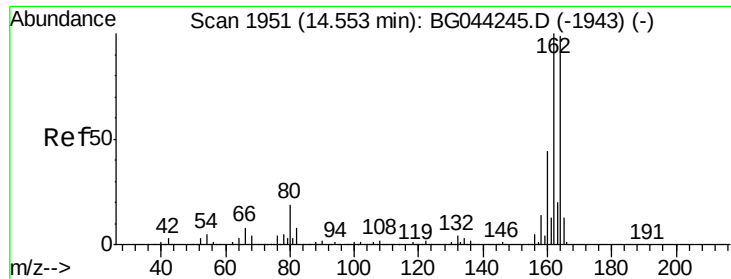
#23
Nitrobenzene-d5
Concen: 89.128 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044480.D
Acq: 18 Feb 2020 19:58

Tgt	Ion: 82	Resp:	440382
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.5	54.7
54	47.4	38.6	58.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.54 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

Instrument :

BNA_G

ClientSampleId :

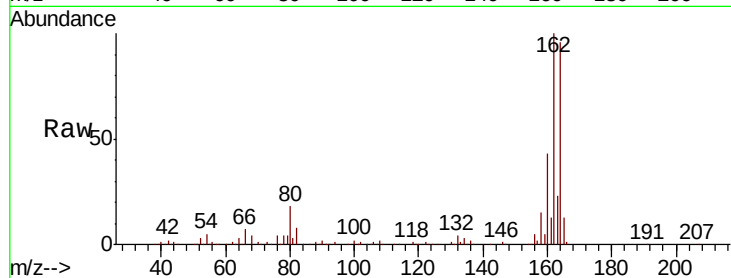
Tot Ion:164 Resp: 193951

Ion Ratio Lower Upper

164 100

162 104.0 80.7 121.1

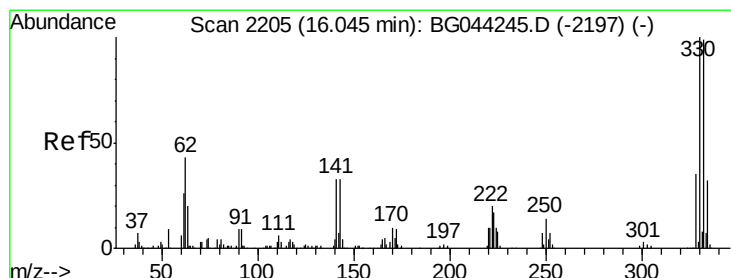
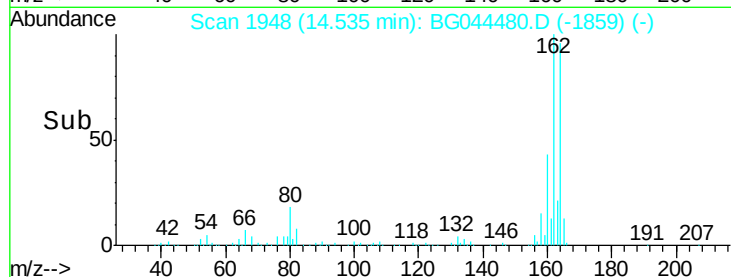
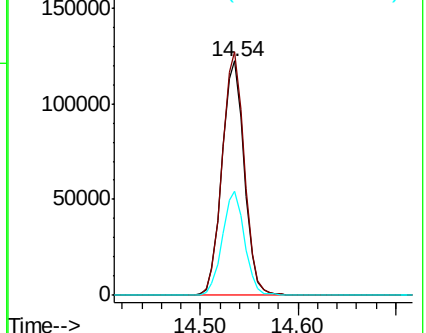
160 44.6 35.3 52.9



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: 139.414 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

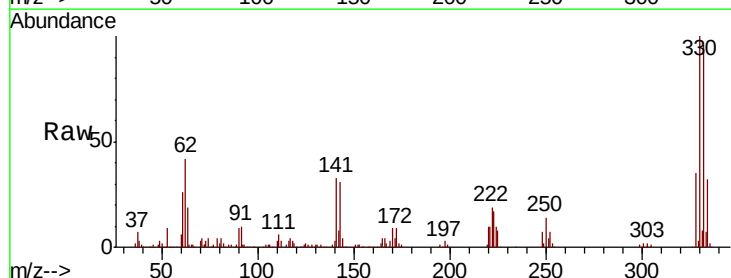
Tgt Ion:330 Resp: 317428

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

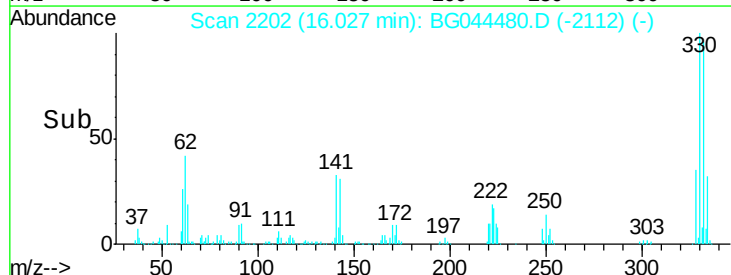
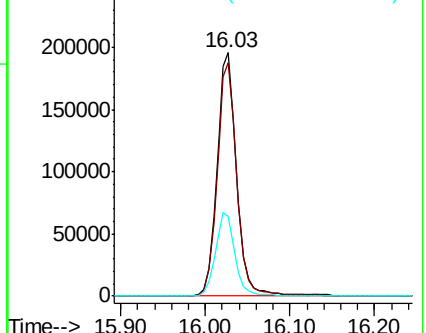
141 35.0 28.3 42.5

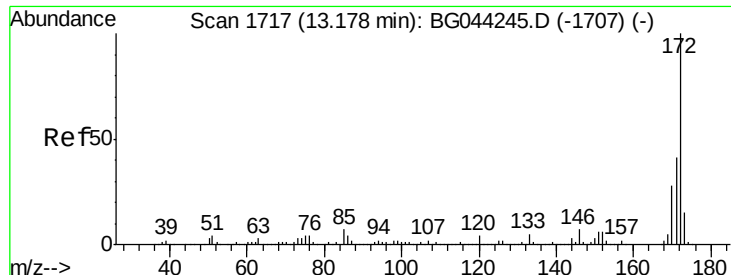


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



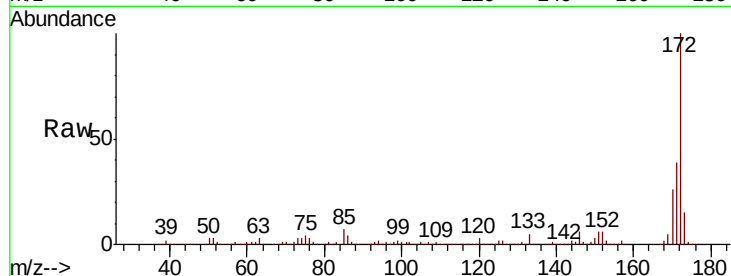


#45
 2-Fluorobiphenyl
 Concen: 89.849 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044480.D
 Acq: 18 Feb 2020 19:58

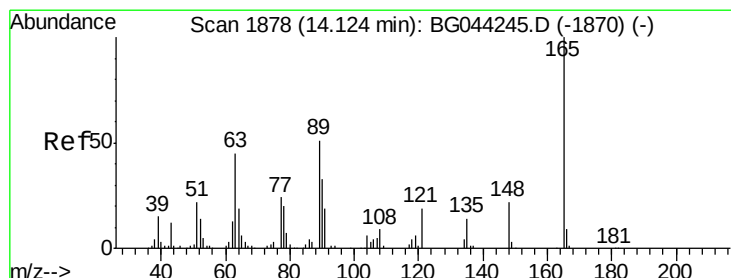
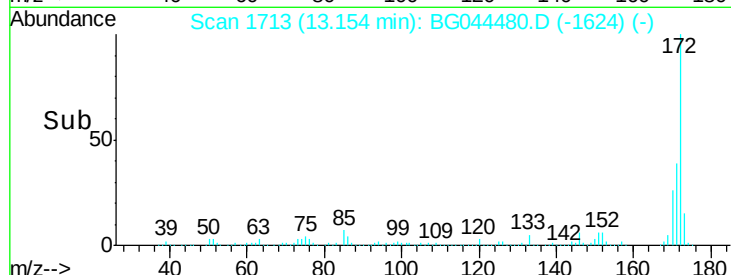
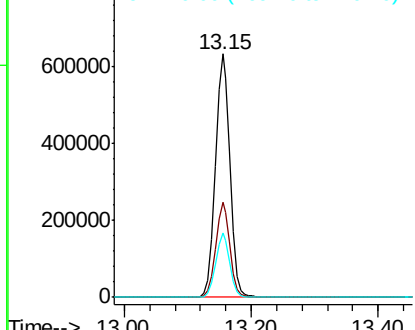
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1040650

Ion	Ratio	Lower	Upper
172	100		
171	39.1	32.9	49.3
170	26.2	22.0	33.0



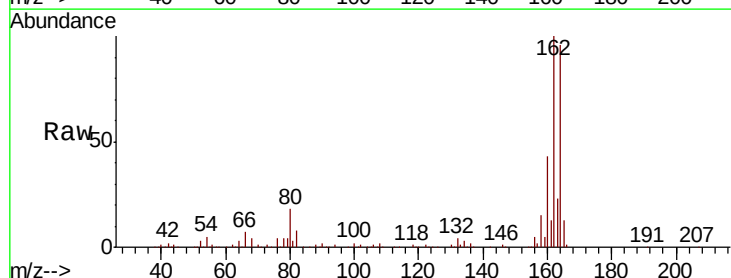
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



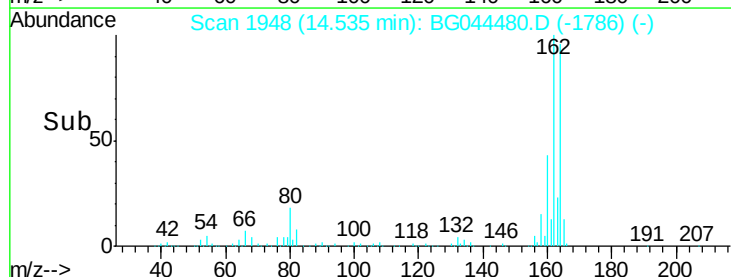
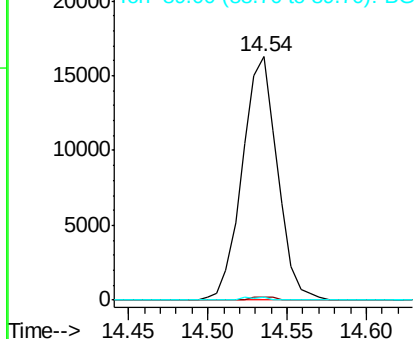
#51
 2,6-Dinitrotoluene
 Concen: 8.038 ng
 RT: 14.54 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG044480.D
 Acq: 18 Feb 2020 19:58

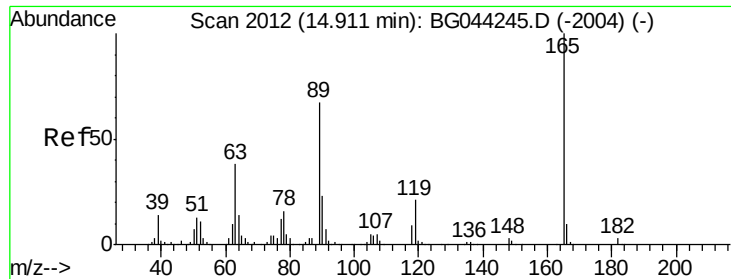
Tgt Ion:165 Resp: 24985

Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.7	58.1#
89	1.2	40.4	60.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0





#57

2,4-Dinitrotoluene

Concen: 5.735 ng

RT: 14.54 min Scan# 1948

Delta R.T. -0.37 min

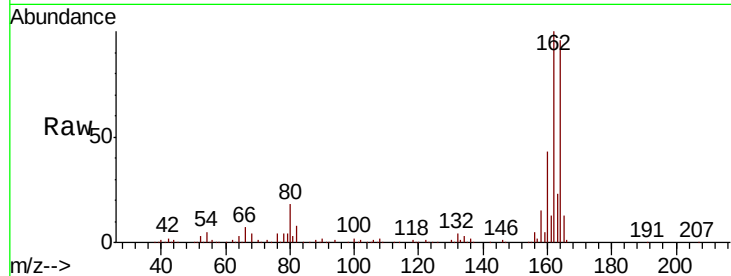
Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

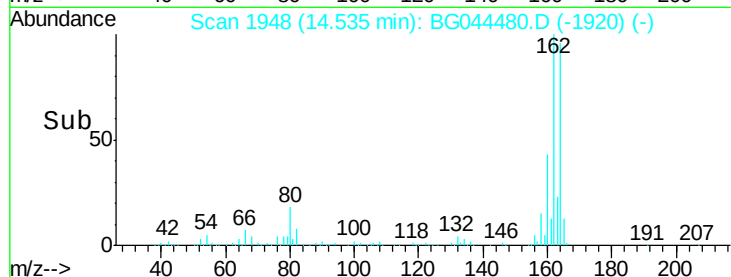
Instrument :

BNA_G

ClientSampled :



Tot Ion:	165	Resp:	24985
Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.3	45.5#
89	1.2	53.4	80.2#
182	0.0	2.1	3.1#

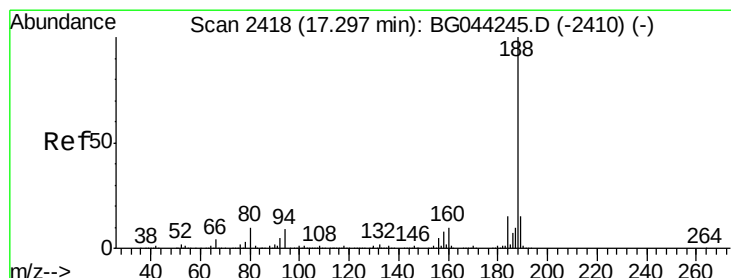
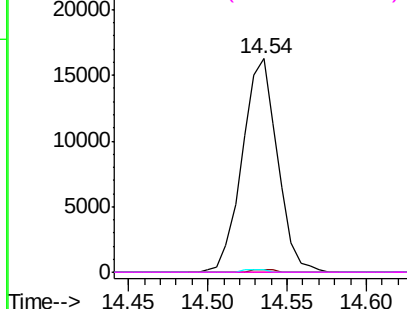


Abundance Ion 165.00 (164.70 to 165.70): E

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

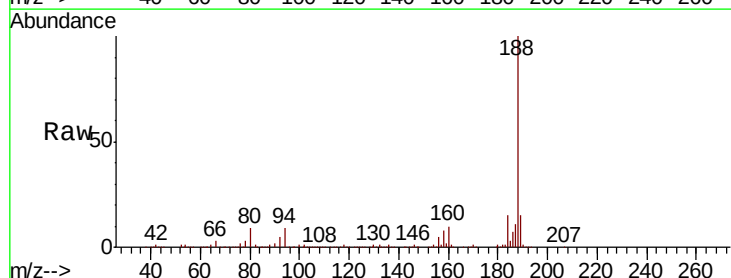
RT: 17.28 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

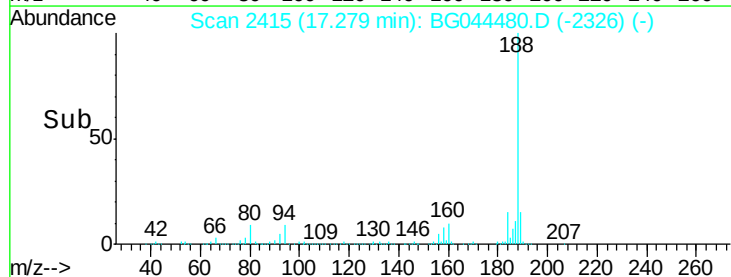
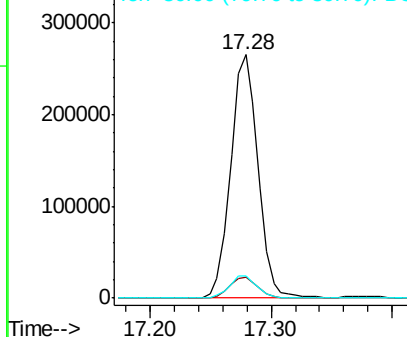
Tgt Ion:	188	Resp:	417210
Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.4	11.2
80	9.3	7.7	11.5

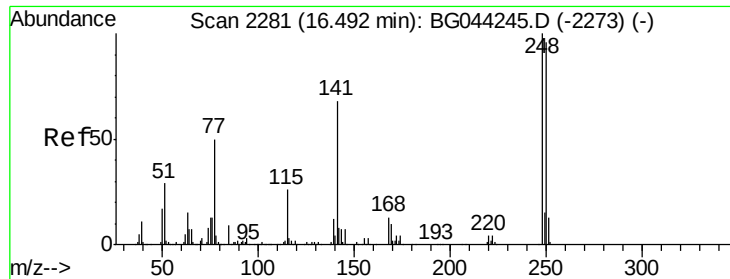


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

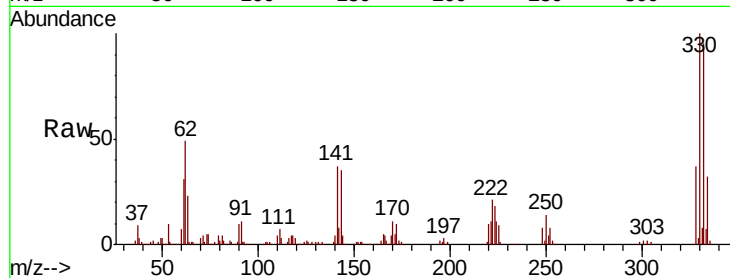




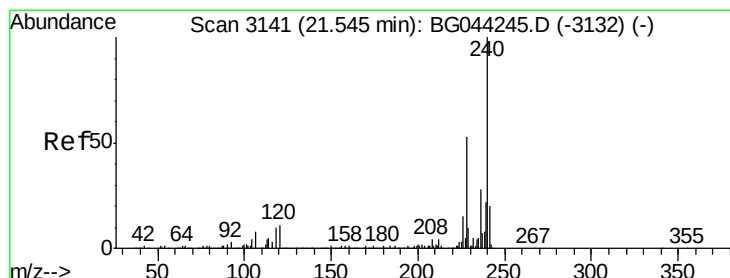
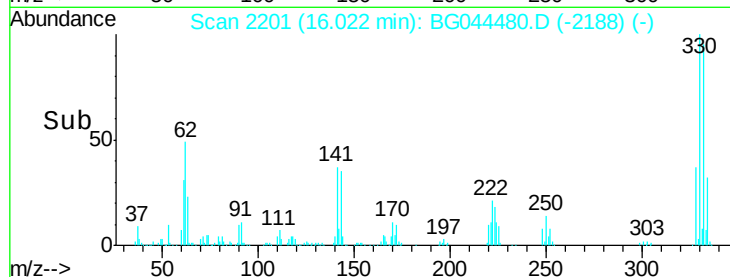
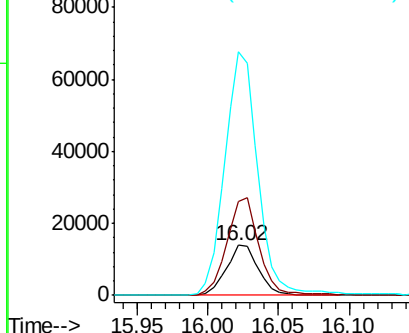
#67
 4-Bromophenyl-phenylether
 Concen: 4.875 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.46 min
 Lab File: BG044480.D
 Acq: 18 Feb 2020 19:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 22158
 Ion Ratio Lower Upper
 248 100
 250 188.0 76.6 114.8#
 141 485.1 54.7 82.1#

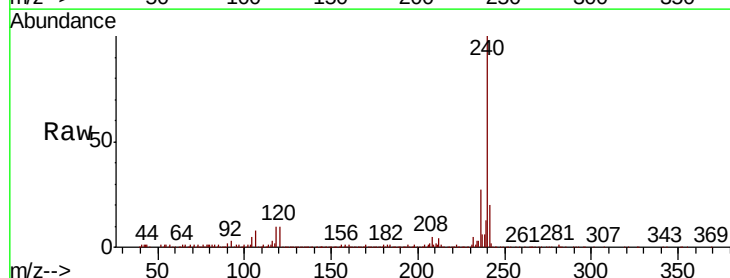


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

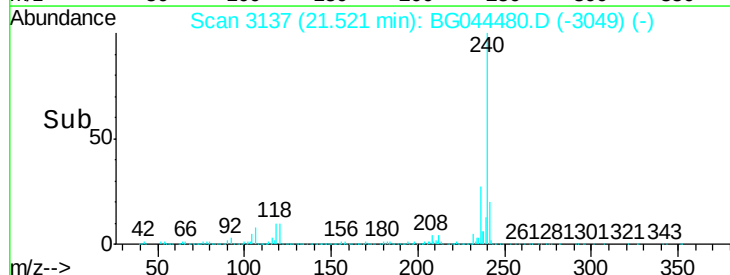
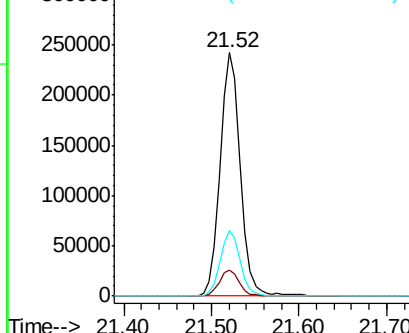


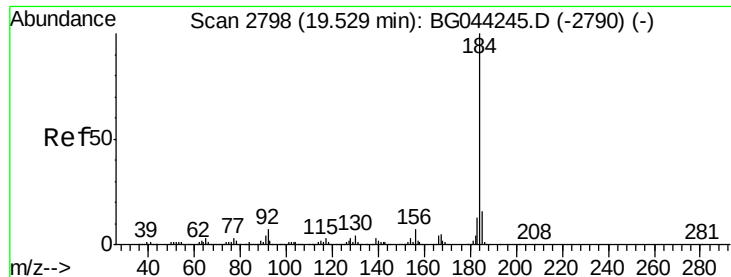
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.02 min
 Lab File: BG044480.D
 Acq: 18 Feb 2020 19:58

Tgt Ion:240 Resp: 388512
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.4 12.6
 236 26.9 22.1 33.1



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: 2.391 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.37 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

Instrument :

BNA_G

ClientSampled :

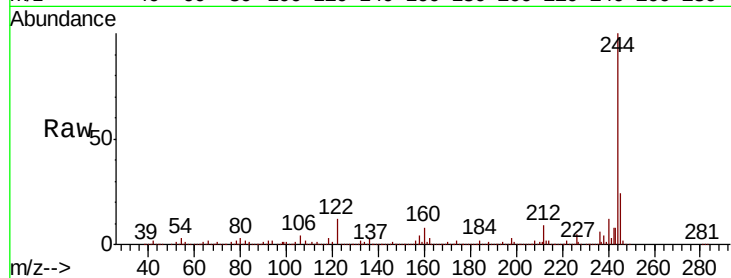
Tot Ion:184 Resp: 25764

Ion Ratio Lower Upper

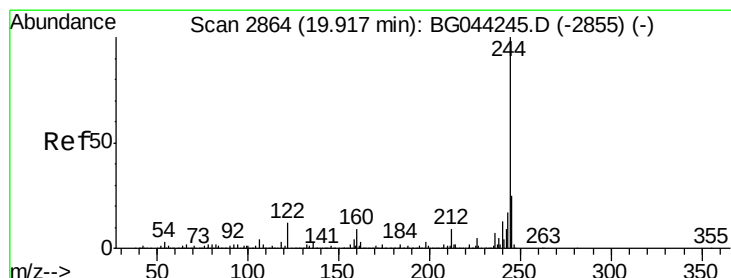
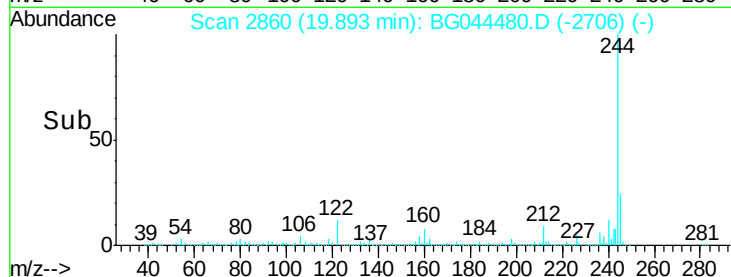
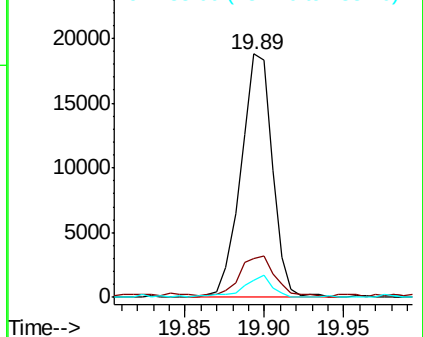
184 100

185 16.0 12.9 19.3

183 7.2 10.8 16.2#



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: 84.355 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044480.D

Acq: 18 Feb 2020 19:58

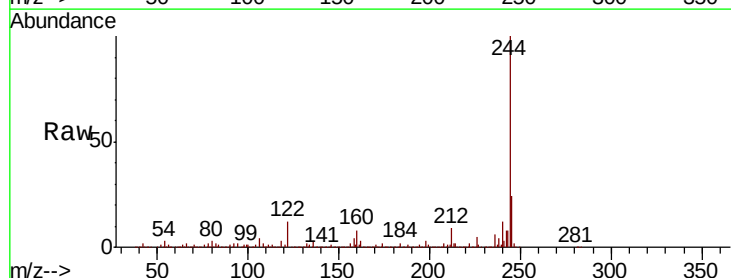
Tgt Ion:244 Resp: 1593340

Ion Ratio Lower Upper

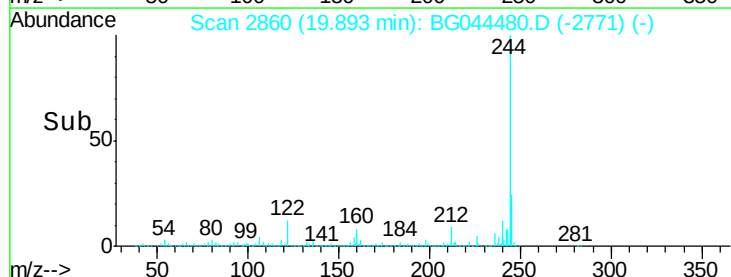
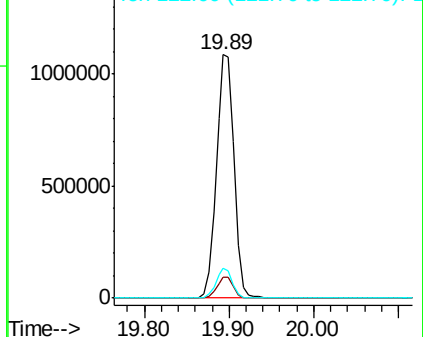
244 100

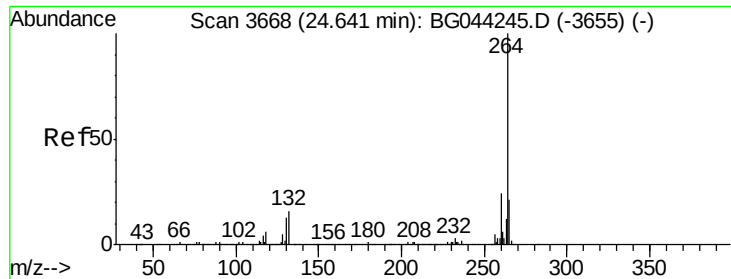
212 8.7 7.4 11.2

122 12.1 9.8 14.6



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

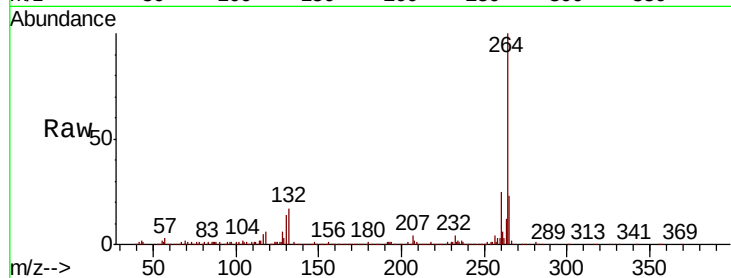




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3662
Delta R.T. -0.02 min
Lab File: BG044480.D
Acq: 18 Feb 2020 19:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	23.2	16.7	25.1



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

