

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091620\
 Data File : BG046655.D
 Acq On : 17 Sep 2020 00:43
 Operator : CG/JU
 Sample : L4019-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-220

Quant Time: Sep 17 02:15:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 16 11:07:52 2020
 Response via : Initial Calibration

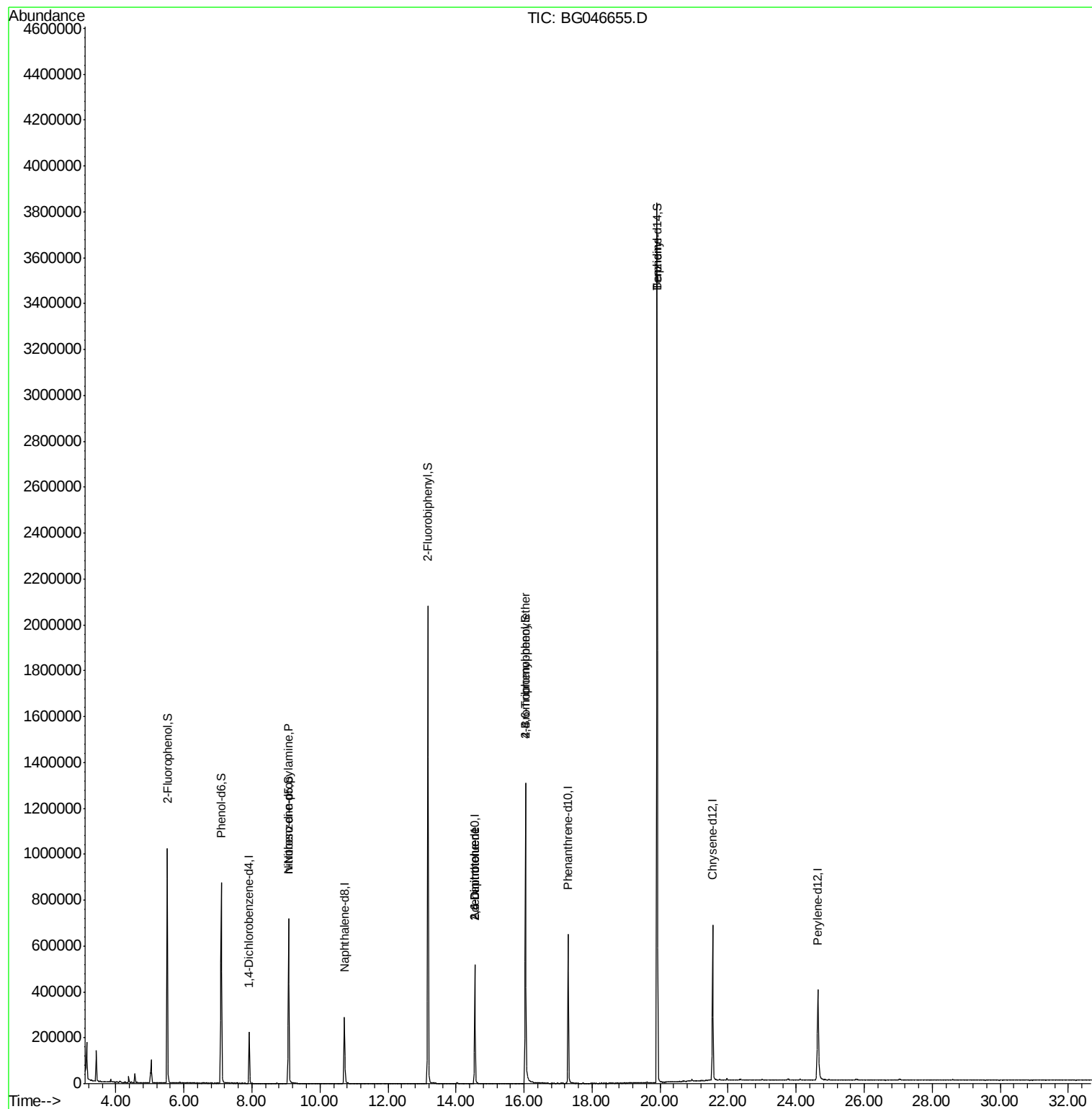
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	68781	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	283805	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	195235	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	445609	20.00	ng	0.00
76) Chrysene-d12	21.54	240	462802	20.00	ng	0.00
86) Perylene-d12	24.63	264	447130	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	469930	121.01	ng	0.00
7) Phenol-d6	7.10	99	567043	103.00	ng	0.00
23) Nitrobenzene-d5	9.08	82	464514	93.55	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	292304	110.50	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1193007	93.28	ng	0.00
79) Terphenyl-d14	19.91	244	1806851	83.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	58315	17.709	ng	# 76
51) 2,6-Dinitrotoluene	14.55	165	26096	7.838	ng	# 32
57) 2,4-Dinitrotoluene	14.55	165	26096	5.497	ng	# 30
67) 4-Bromophenyl-phenylether	16.04	248	22426	4.314	ng	# 1
77) Benzidine	19.91	184	27933	2.597	ng	98

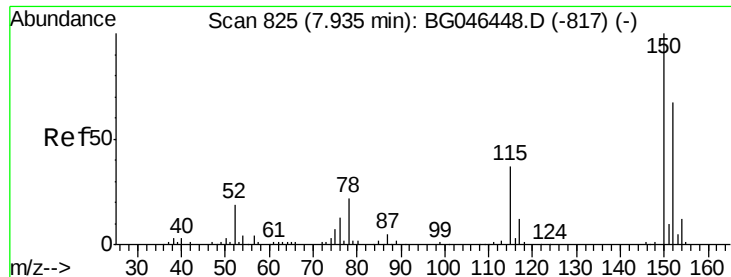
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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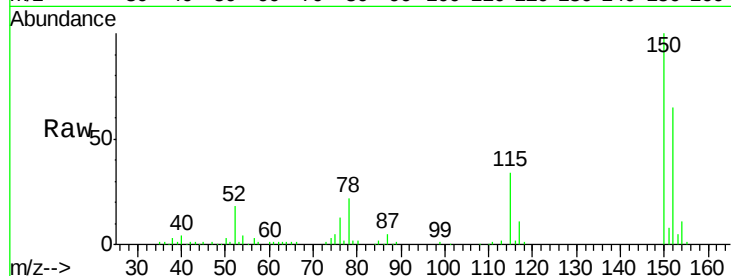


#1

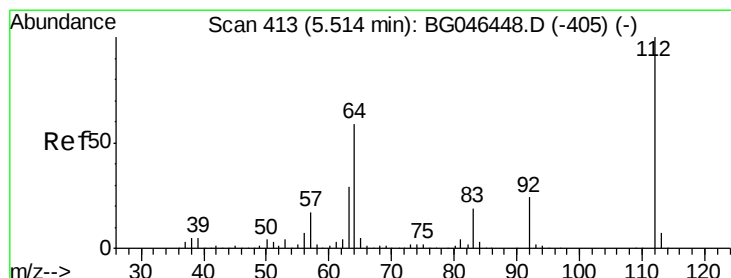
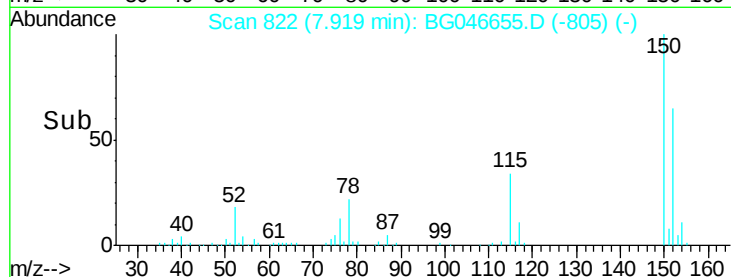
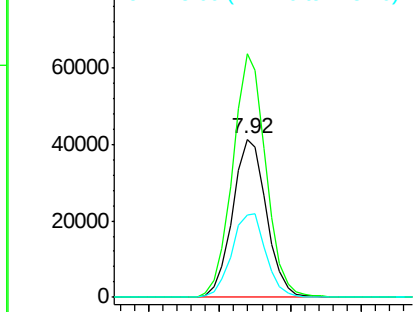
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

Instrument :
 BNA_G
 ClientSampled :
 VNJ-220

Tot Ion:152 Resp: 68781
 Ion Ratio Lower Upper
 152 100
 150 153.9 125.0 187.6
 115 52.0 41.8 62.6



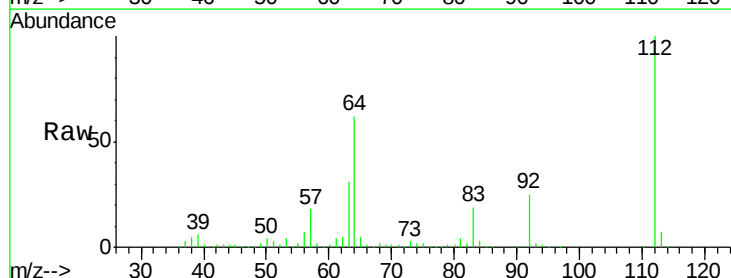
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



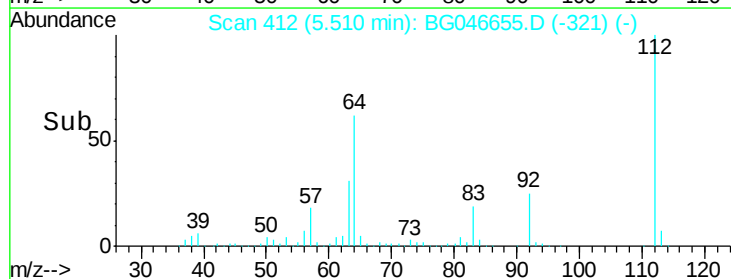
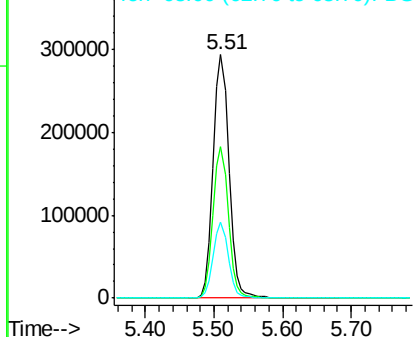
#5

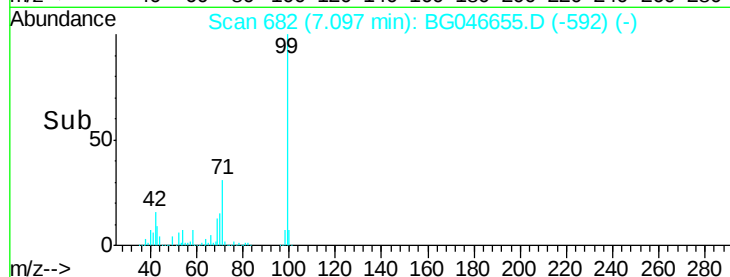
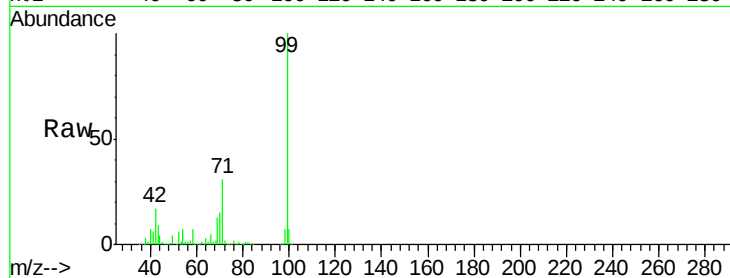
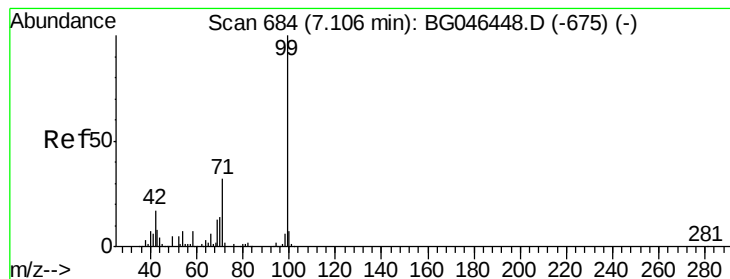
2-Fluorophenol
 Concen: 121.012 ng
 RT: 5.51 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

Tgt Ion:112 Resp: 469930
 Ion Ratio Lower Upper
 112 100
 64 62.0 46.7 70.1
 63 31.2 22.8 34.2



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: 103.005 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG046655.D

Acq: 17 Sep 2020 00:43

Instrument :

BNA_G

ClientSampleId :

VNJ-220

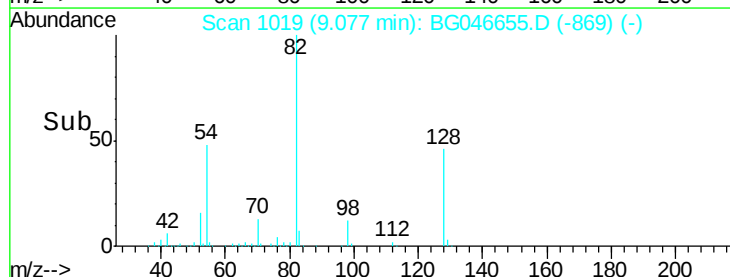
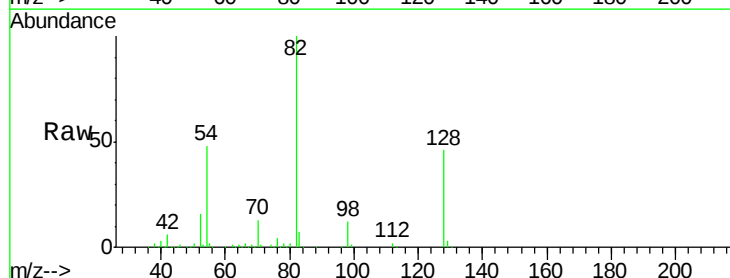
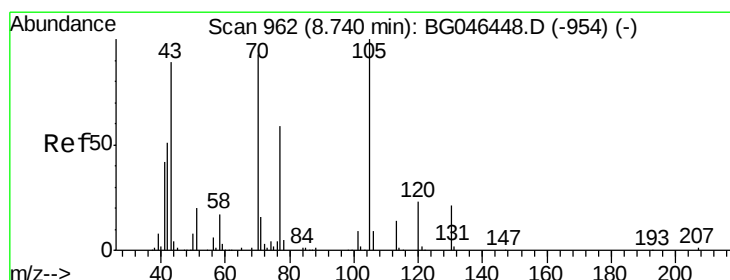
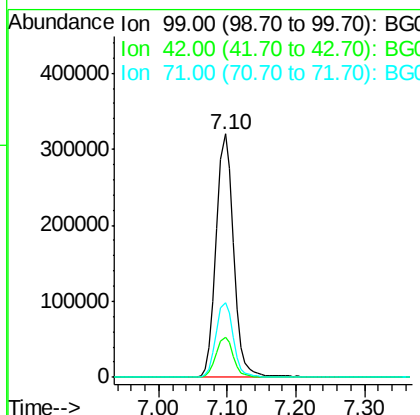
Tot Ion: 99 Resp: 567043

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

71 30.9 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.709 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG046655.D

Acq: 17 Sep 2020 00:43

Tgt Ion: 70 Resp: 58315

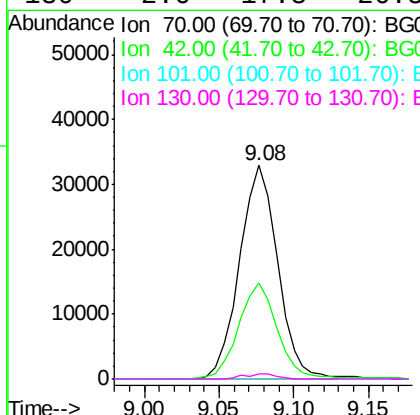
Ion Ratio Lower Upper

70 100

42 44.8 45.6 68.4#

101 0.0 8.4 12.6#

130 2.6 17.8 26.8#

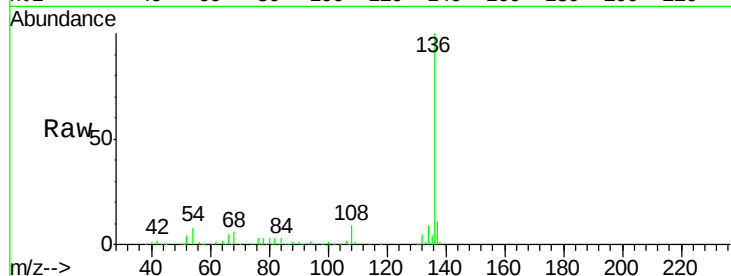




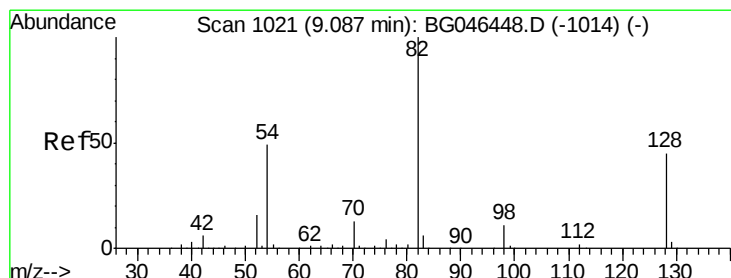
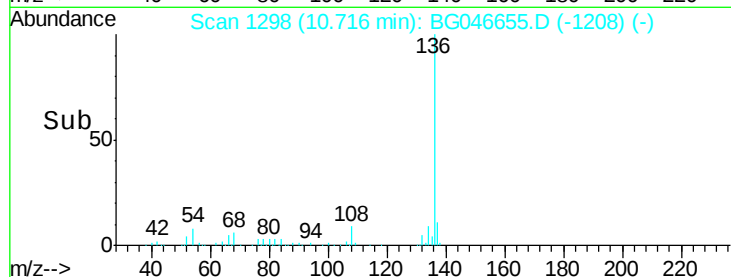
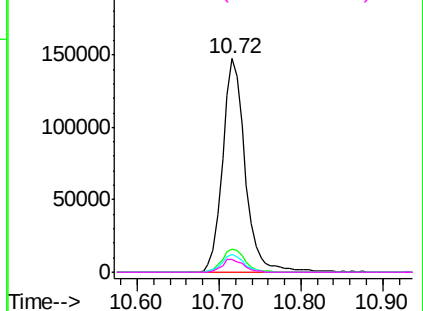
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG046655.D
Acq: 17 Sep 2020 00:43

Instrument :
BNA_G
ClientSampleId :
VNJ-220

Tot Ion:136	Resp:	283805
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.1 13.7
54	8.1	6.2 9.4
68	6.2	5.0 7.4

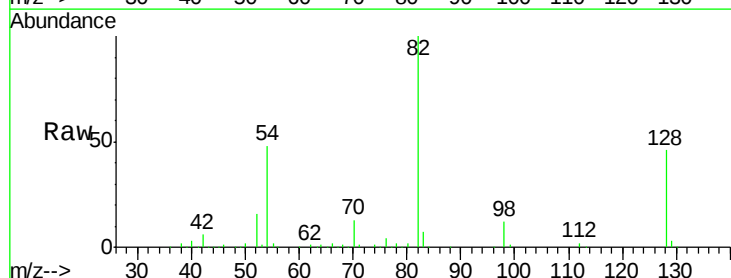


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

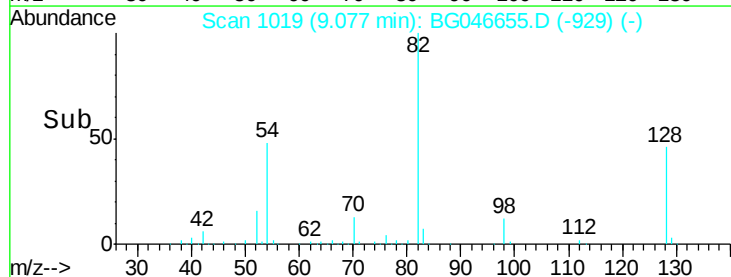
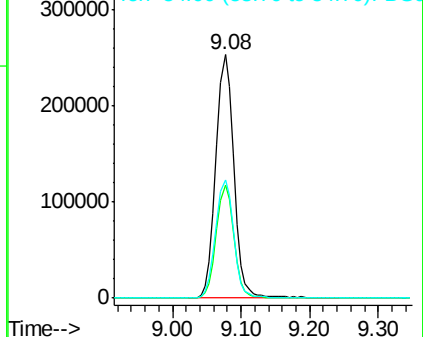


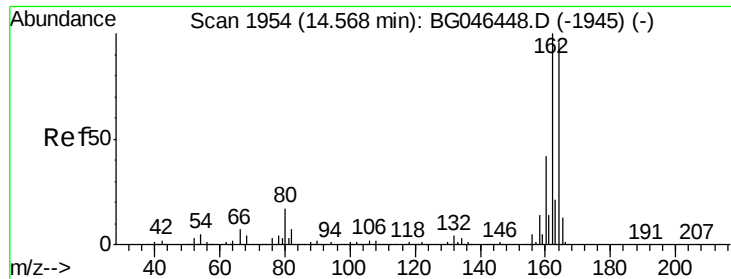
#23
Nitrobenzene-d5
Concen: 93.548 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG046655.D
Acq: 17 Sep 2020 00:43

Tgt Ion: 82	Resp:	464514
Ion	Ratio	Lower Upper
82	100	
128	46.3	37.0 55.6
54	48.3	39.0 58.4



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

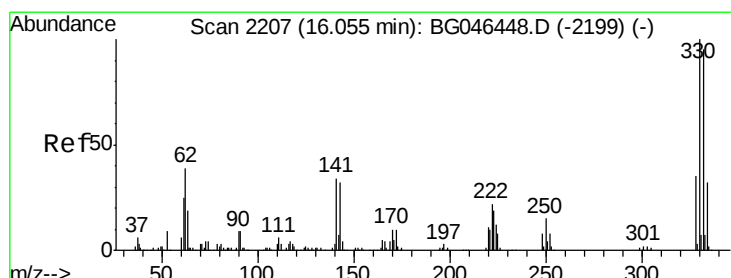
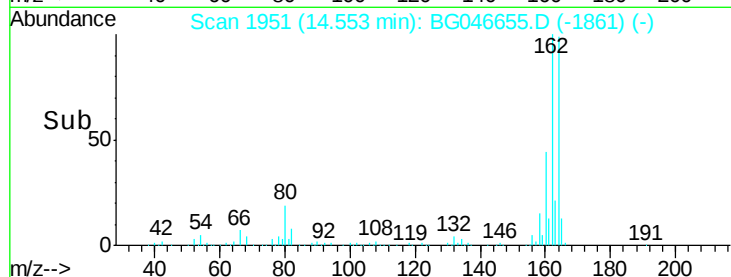
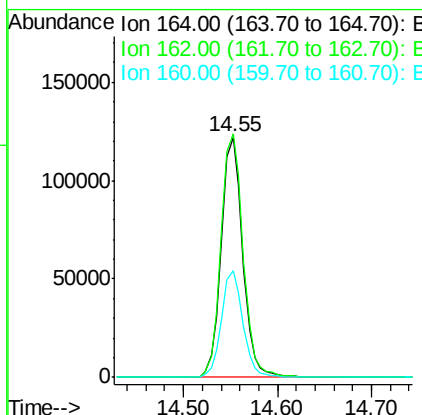
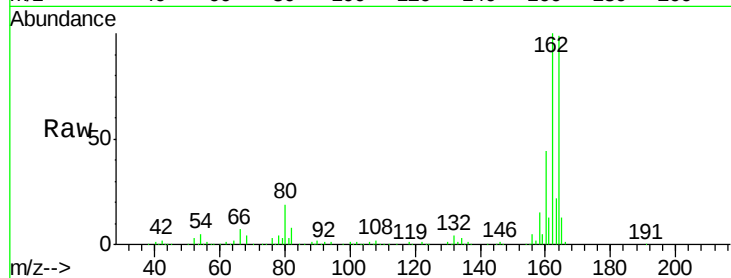




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG046655.D
Acq: 17 Sep 2020 00:43

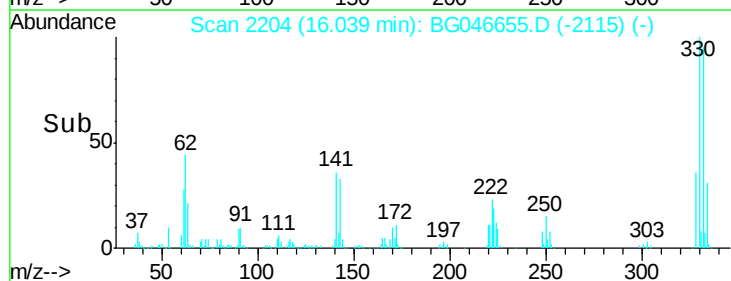
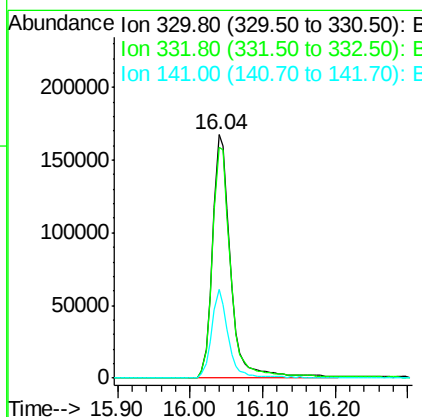
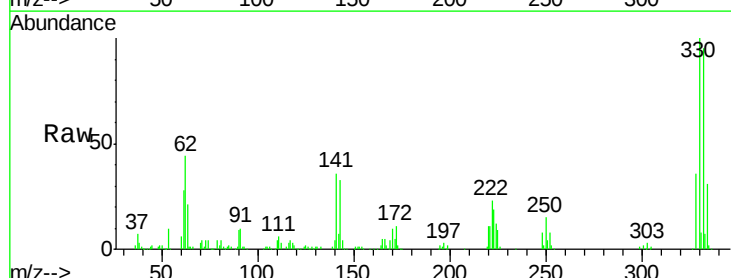
Instrument :
BNA_G
ClientSampleId :
VNJ-220

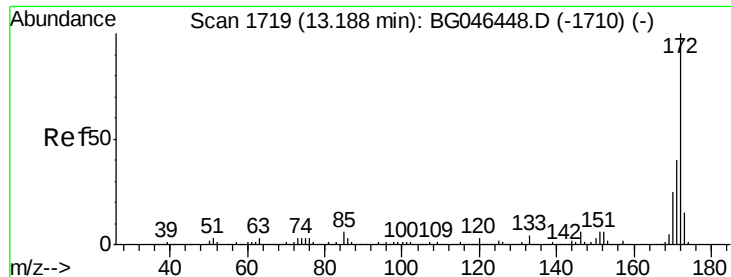
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.3	123.5
160	44.2	35.3	52.9



#42
2,4,6-Tribromophenol
Concen: 110.499 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BG046655.D
Acq: 17 Sep 2020 00:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.5	114.7
141	34.3	26.0	39.0



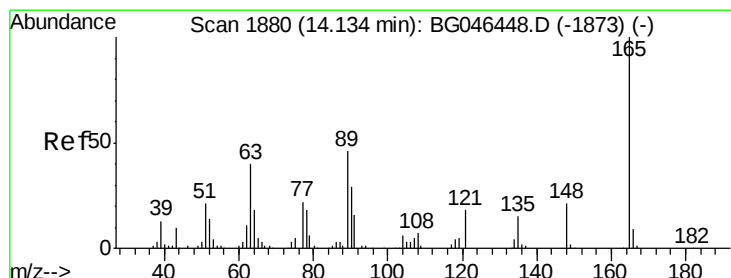
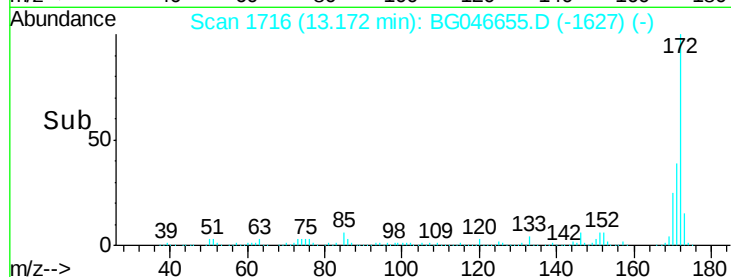
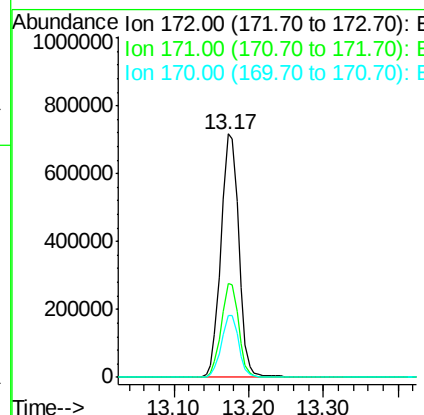
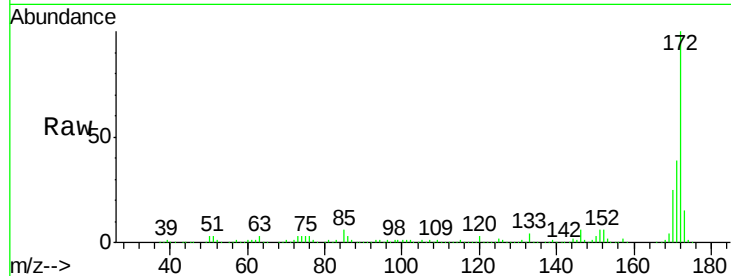


#45
 2-Fluorobiphenyl
 Concen: 93.282 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-220

Tot Ion:172 Resp: 1193007

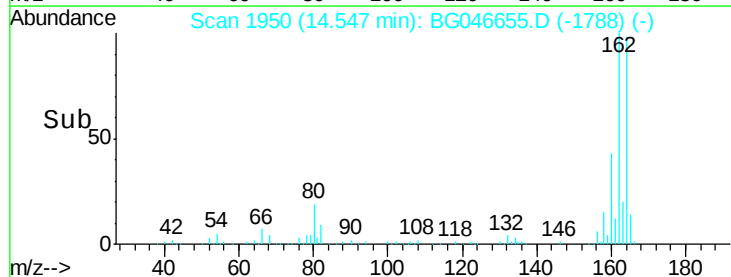
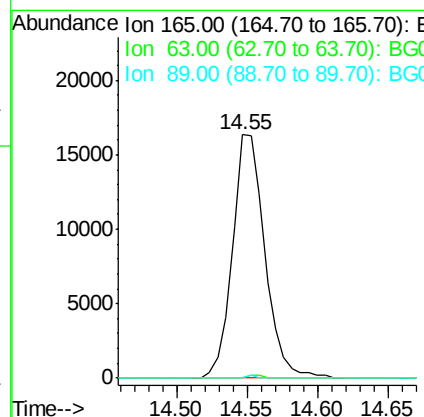
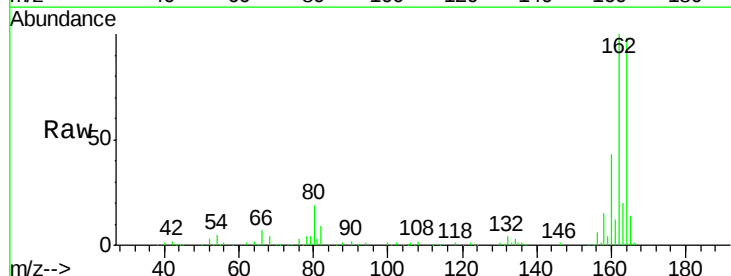
Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	25.3	20.8	31.2

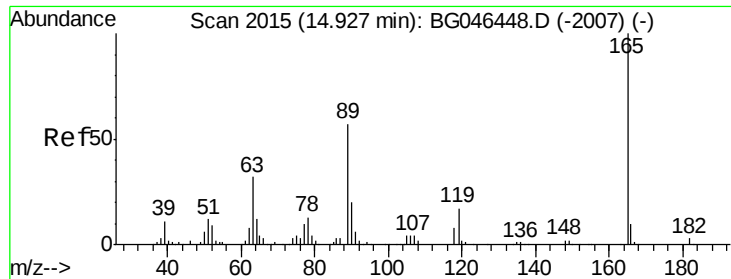


#51
 2,6-Dinitrotoluene
 Concen: 7.838 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. 0.42 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

Tgt Ion:165 Resp: 26096

Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.7	50.5#
89	0.0	36.6	54.8#

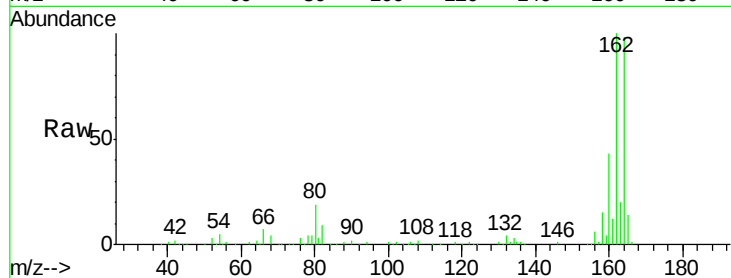




#57
 2,4-Dinitrotoluene
 Concen: 5.497 ng
 RT: 14.55 min Scan# 1950
 Delta R.T. -0.37 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-220

Tot Ion:165	Resp:	26096
Ion Ratio	Lower	Upper
165	100	
63	0.0	26.4 39.6#
89	0.0	47.8 71.8#
182	0.0	2.6 4.0#

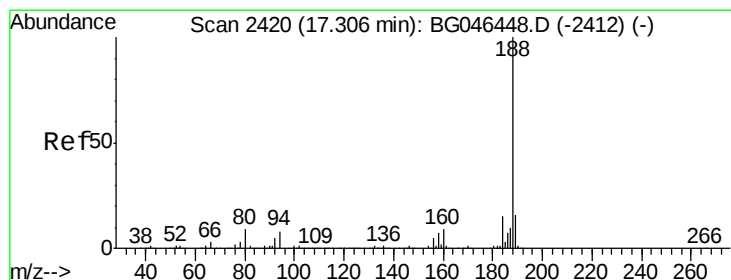
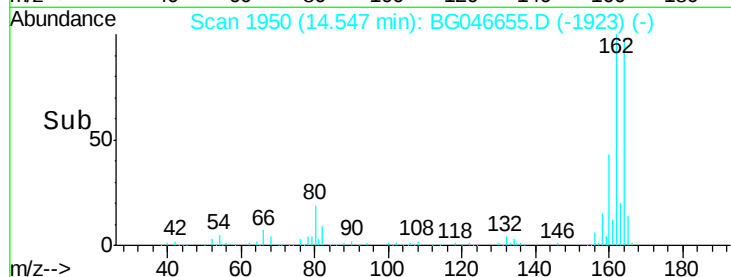
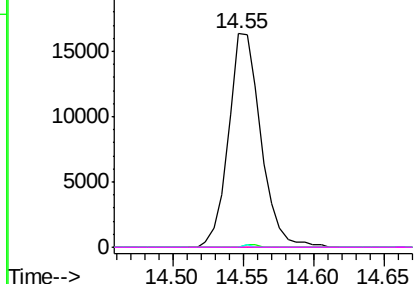


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

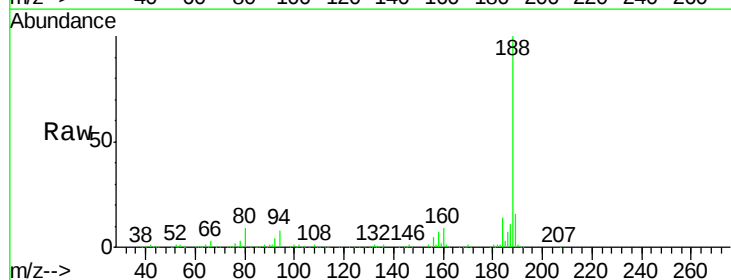
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

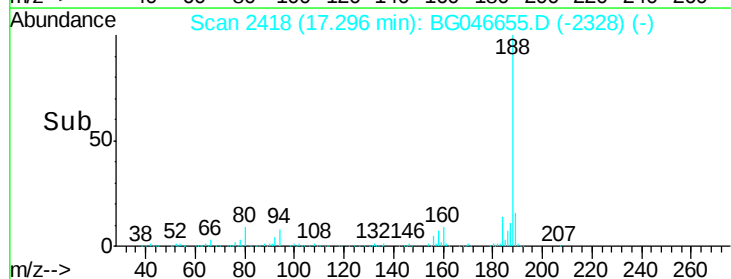
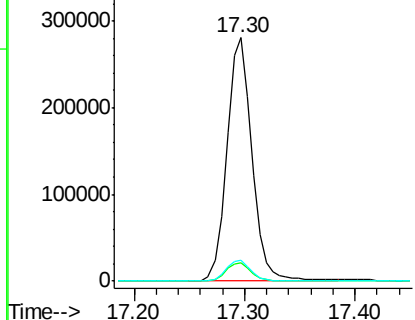
Tgt Ion:188	Resp:	445609
Ion Ratio	Lower	Upper
188	100	
94	7.6	6.3 9.5
80	8.6	7.0 10.6

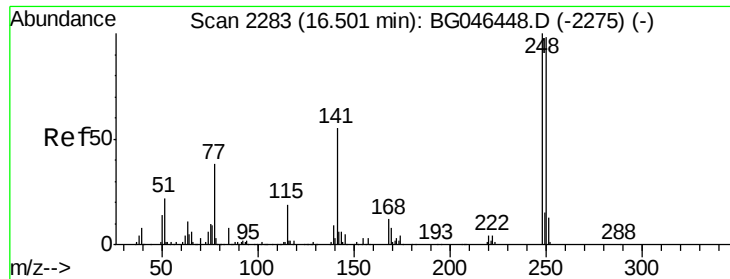


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

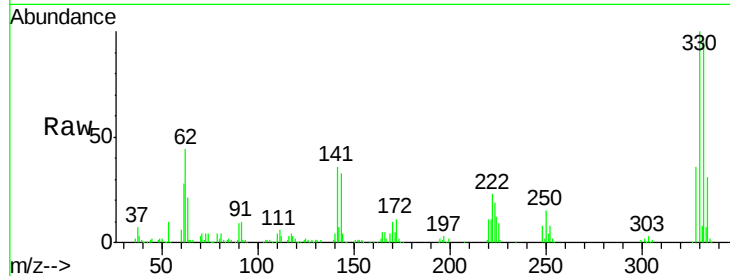




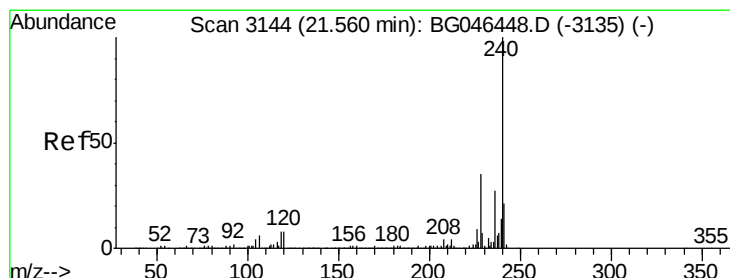
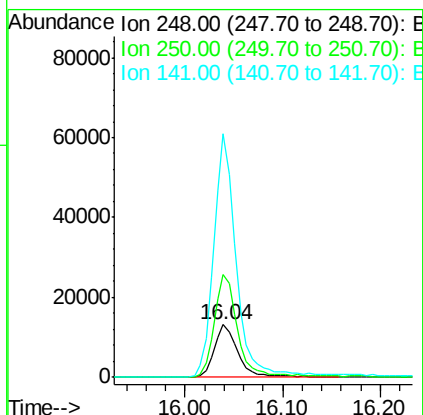
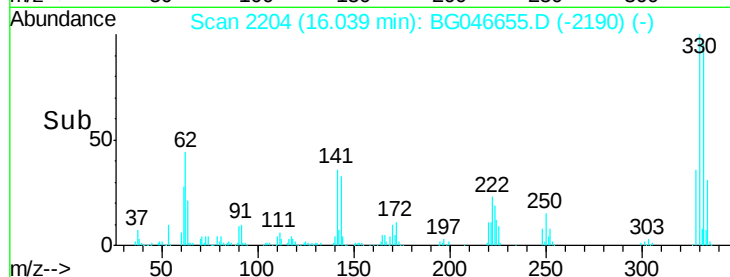
#67
4-Bromophenyl-phenylether
Concen: 4.314 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG046655.D
Acq: 17 Sep 2020 00:43

Instrument :
BNA_G
ClientSampleId :
VNJ-220

Tot Ion:248 Resp: 22426
Ion Ratio Lower Upper
248 100
250 196.5 78.9 118.3#
141 463.9 46.2 69.4#

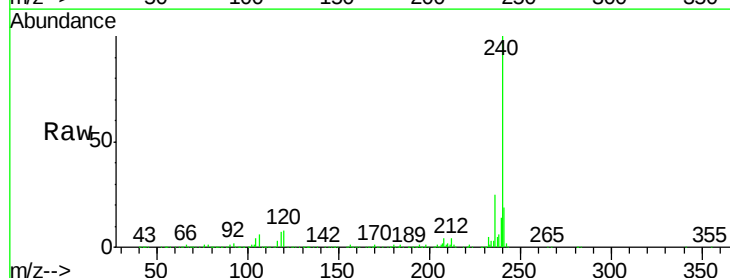


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

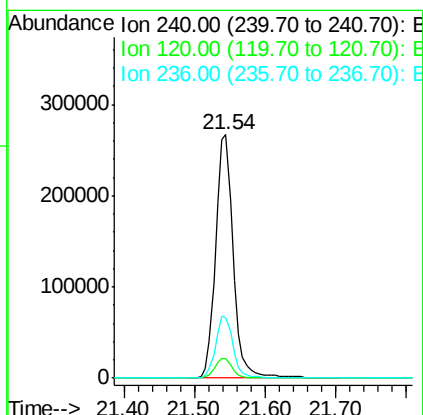
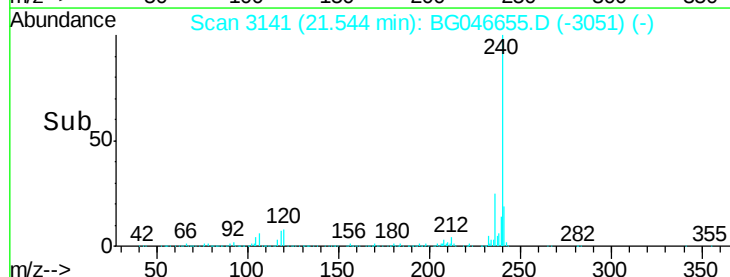


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046655.D
Acq: 17 Sep 2020 00:43

Tgt Ion:240 Resp: 462802
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.4
236 25.0 20.5 30.7



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: 2.597 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.39 min

Lab File: BG046655.D

Acq: 17 Sep 2020 00:43

Instrument :

BNA_G

ClientSampled :

VNJ-220

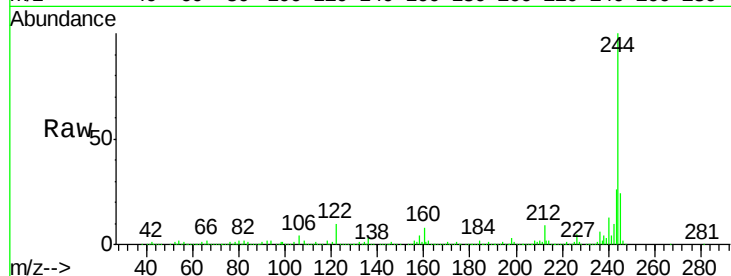
Tot Ion:184 Resp: 27933

Ion Ratio Lower Upper

184 100

185 16.3 12.4 18.6

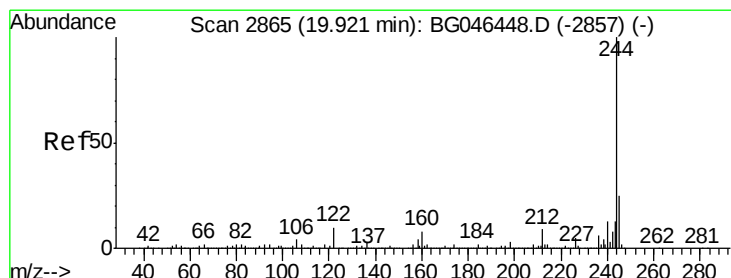
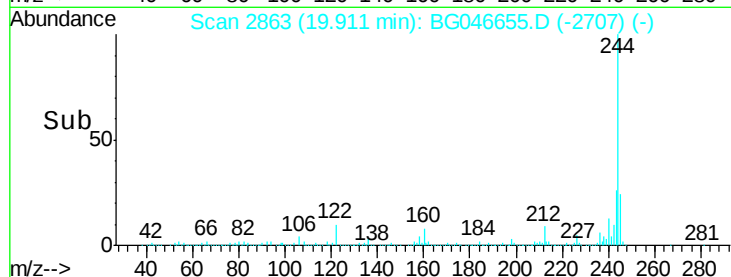
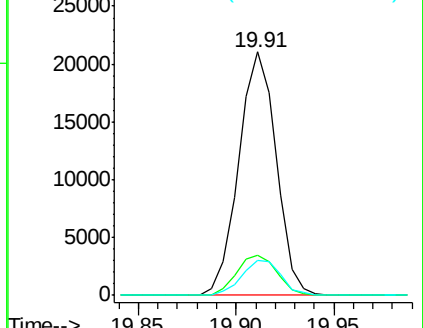
183 14.1 10.6 15.8



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: 83.087 ng

RT: 19.91 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG046655.D

Acq: 17 Sep 2020 00:43

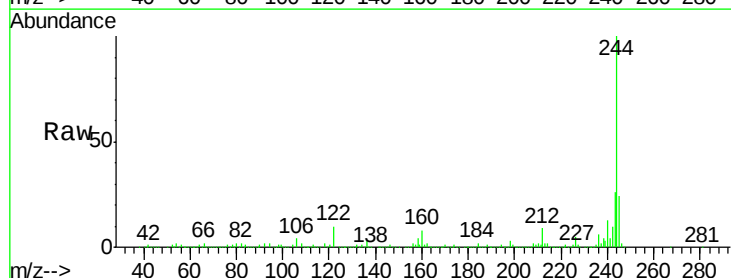
Tgt Ion:244 Resp: 1806851

Ion Ratio Lower Upper

244 100

212 8.8 6.7 10.1

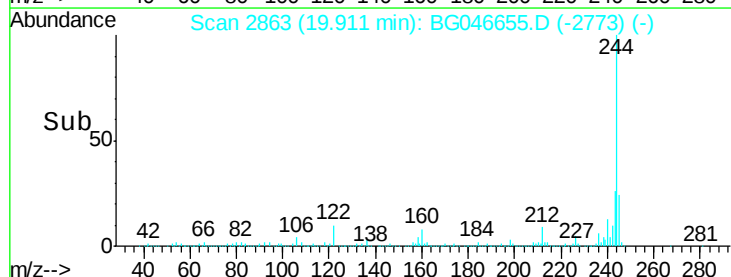
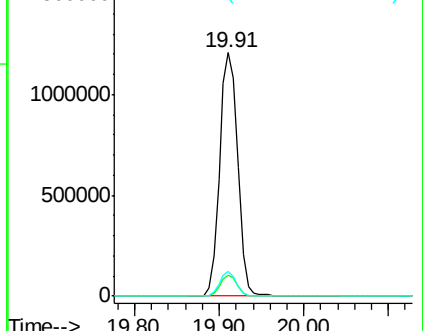
122 10.3 7.8 11.6

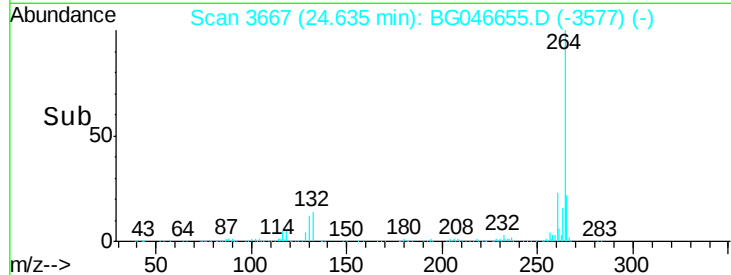
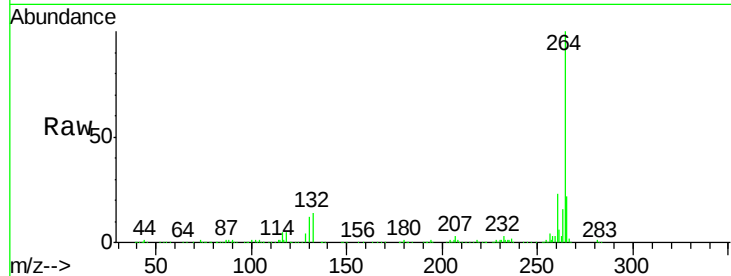
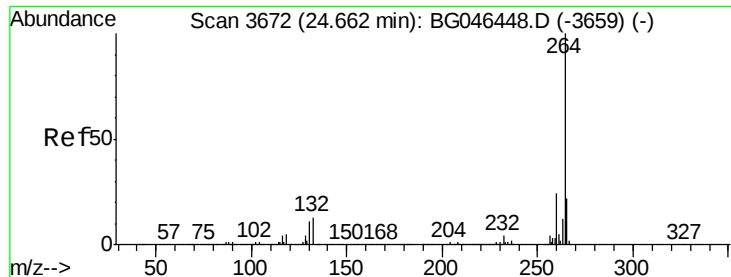


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.63 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: BG046655.D
 Acq: 17 Sep 2020 00:43

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-220

Tot Ion:264	Resp:	447130
Ion	Ratio	Lower Upper
264	100	
260	23.1	18.8 28.2
265	21.8	17.8 26.8

