

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061820\
 Data File : BG045798.D
 Acq On : 18 Jun 2020 18:19
 Operator : CG/JU
 Sample : L3036-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221

Quant Time: Jun 18 18:55:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

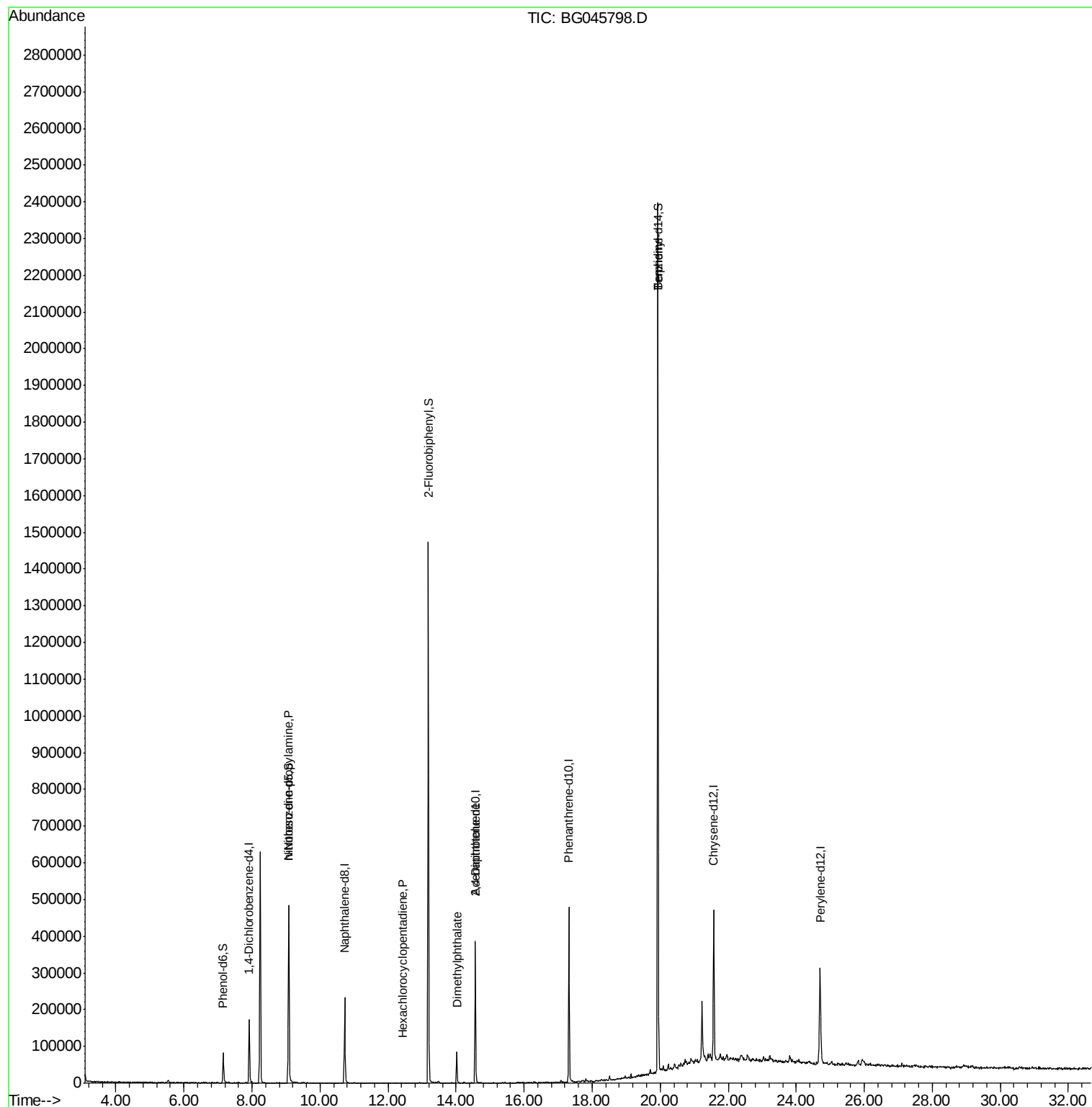
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	51374	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	206973	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	144515	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	323561	20.00	ng	0.00
76) Chrysene-d12	21.58	240	268317	20.00	ng	0.00
86) Perylene-d12	24.70	264	293813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	3907	1.28	ng	0.00
7) Phenol-d6	7.15	99	57937	12.52	ng	-0.01
23) Nitrobenzene-d5	9.08	82	333758	73.67	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	375	0.17	ng	0.02
45) 2-Fluorobiphenyl	13.19	172	797082	81.05	ng	0.00
79) Terphenyl-d14	19.94	244	1177078	88.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	45456	14.946	ng	# 82
41) Hexachlorocyclopentadiene	12.43	237	74	8.444	ng	# 27
50) Dimethylphthalate	14.02	163	61811	5.460	ng	98
57) 2,4-Dinitrotoluene	14.57	165	19270	5.289	ng	# 24
77) Benzidine	19.94	184	21660	3.105	ng	# 89

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

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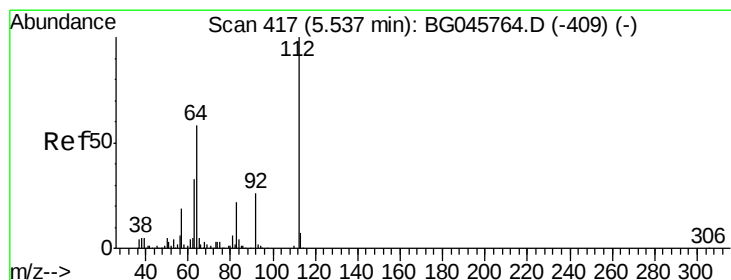
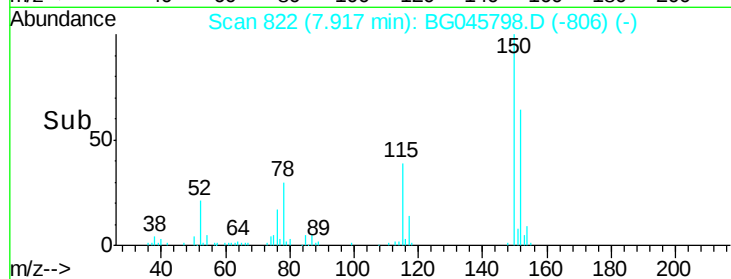
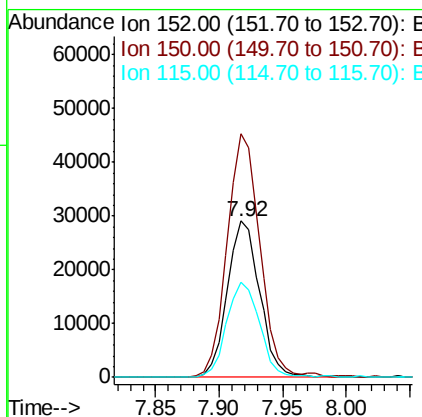
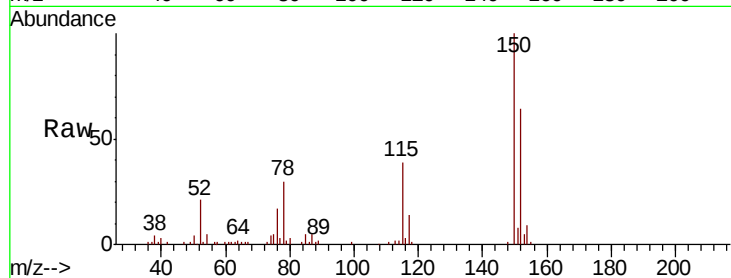


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

Instrument :
BNA_G
ClientSampleId :
VNJ-221

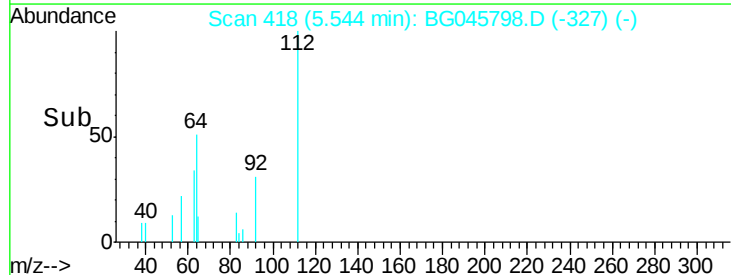
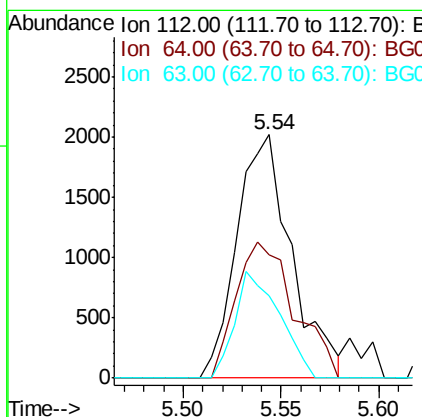
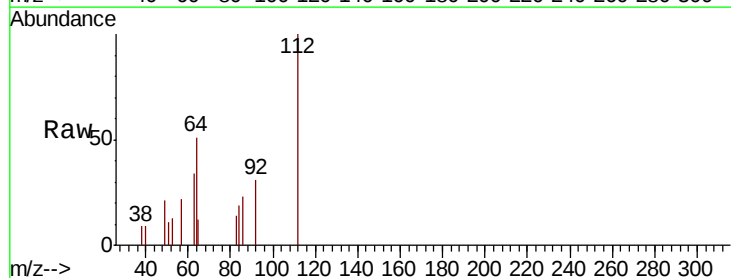
Tot Ion:152 Resp: 51374
Ion Ratio Lower Upper
152 100
150 155.9 113.1 169.7
115 60.9 43.8 65.6

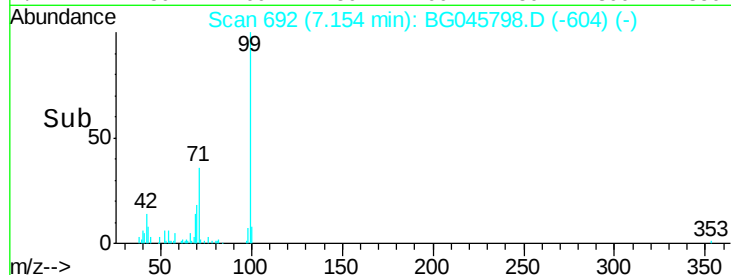
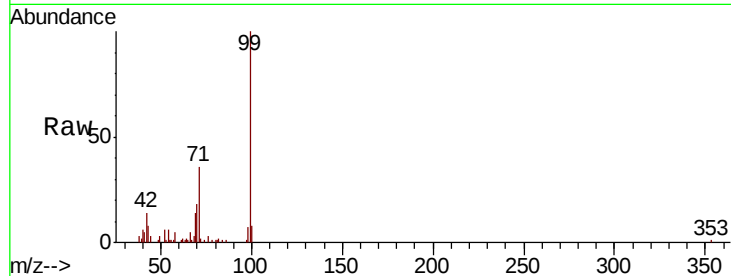
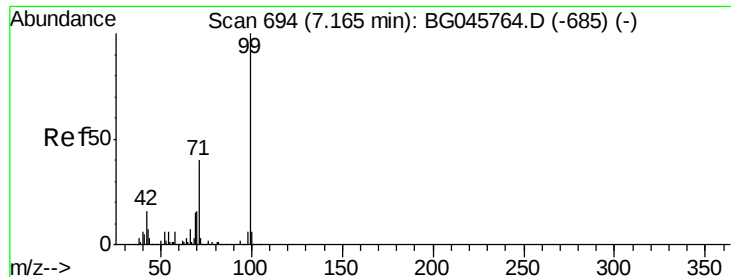


#5

2-Fluorophenol
Concen: 1.285 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

Tgt Ion:112 Resp: 3907
Ion Ratio Lower Upper
112 100
64 50.6 46.6 69.8
63 33.9 26.3 39.5





#7

Phenol-d6

Concen: 12.524 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

Instrument :

BNA_G

ClientSampleId :

VNJ-221

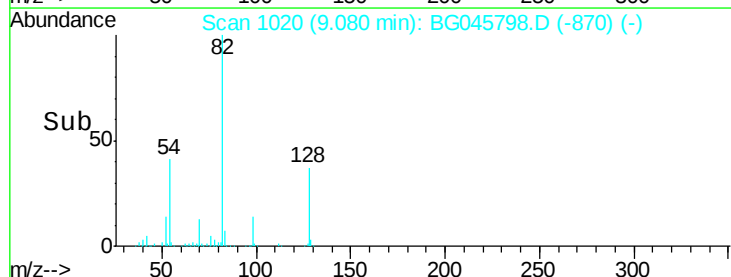
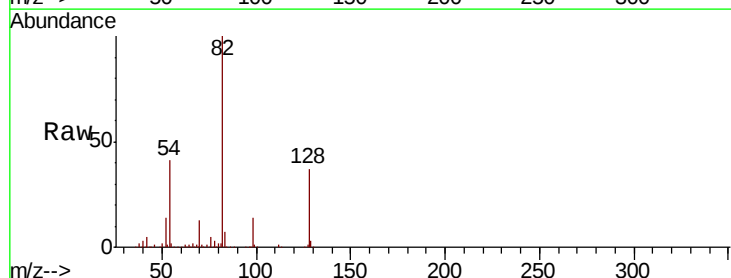
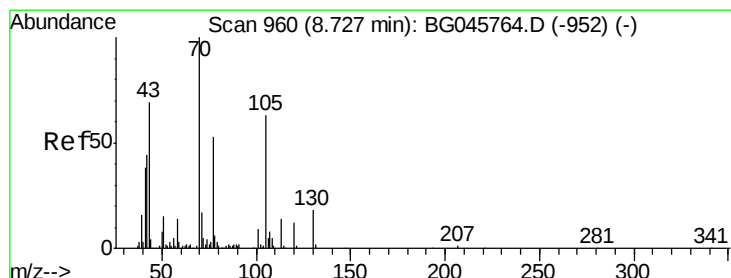
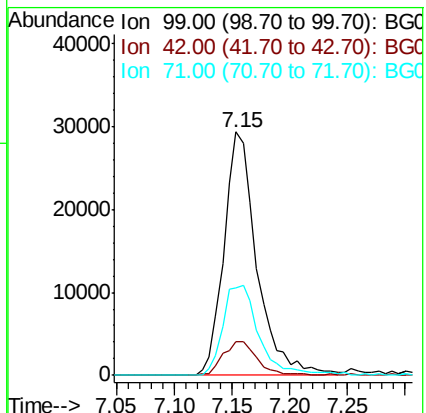
Tot Ion: 99 Resp: 57937

Ion Ratio Lower Upper

99 100

42 13.9 12.4 18.6

71 36.1 32.1 48.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.946 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

Tgt Ion: 70 Resp: 45456

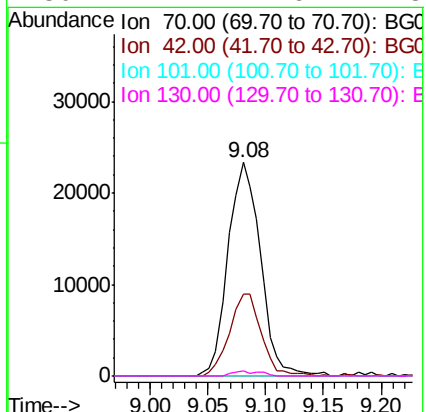
Ion Ratio Lower Upper

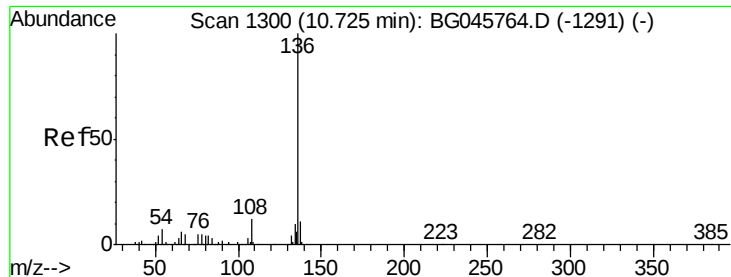
70 100

42 38.6 35.1 52.7

101 0.0 7.4 11.0#

130 2.2 14.6 21.8#

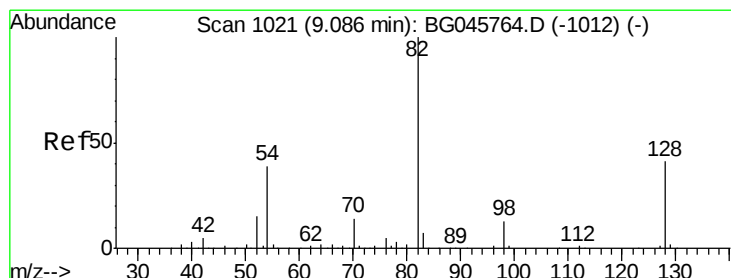
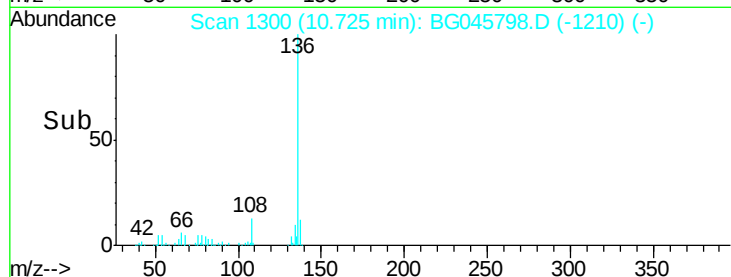
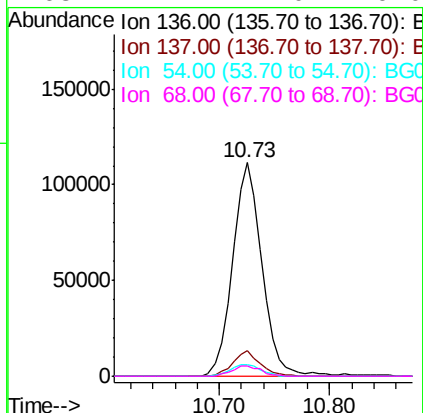
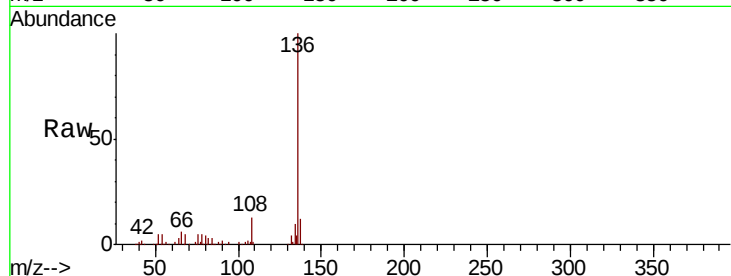




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

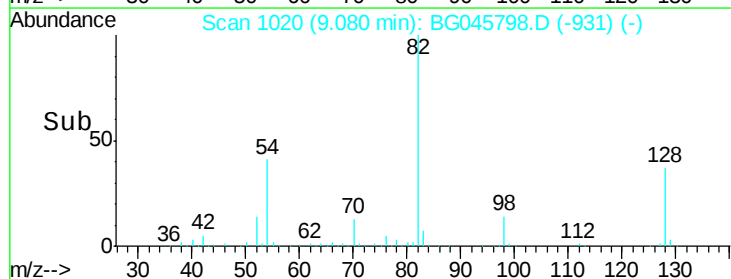
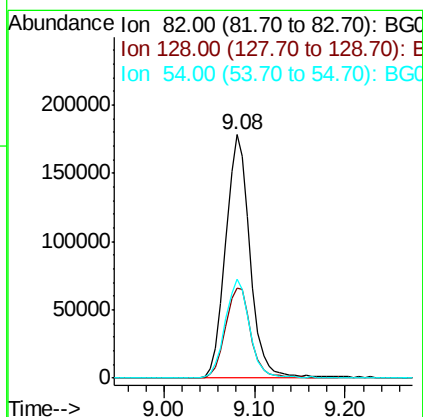
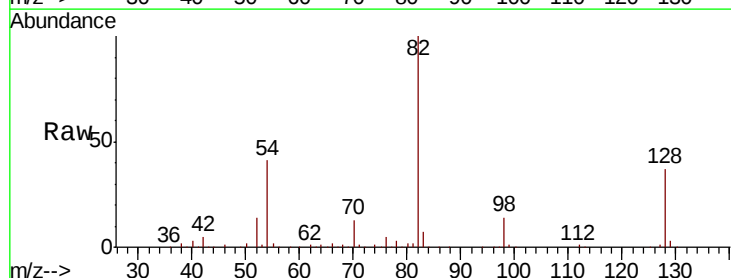
Instrument :
BNA_G
ClientSampleId :
VNJ-221

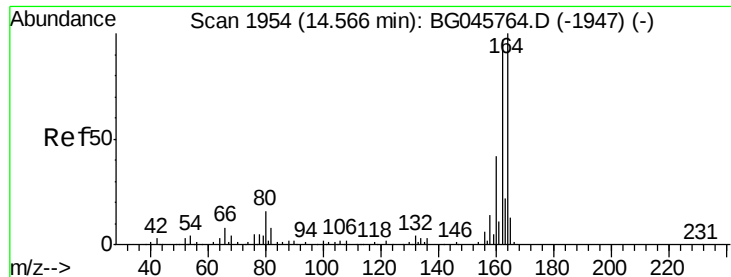
Tot Ion:136	Resp:	206973
Ion	Ratio	Lower Upper
136	100	
137	11.8	8.7 13.1
54	5.4	5.8 8.6#
68	4.7	4.0 6.0



#23
Nitrobenzene-d5
Concen: 73.668 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

Tgt Ion: 82	Resp:	333758
Ion	Ratio	Lower Upper
82	100	
128	37.0	32.5 48.7
54	40.6	31.2 46.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

Instrument :

BNA_G

ClientSampleId :

VNJ-221

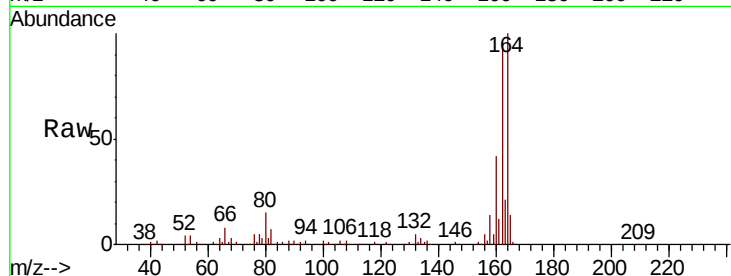
Tot Ion:164 Resp: 144515

Ion Ratio Lower Upper

164 100

162 96.4 77.4 116.0

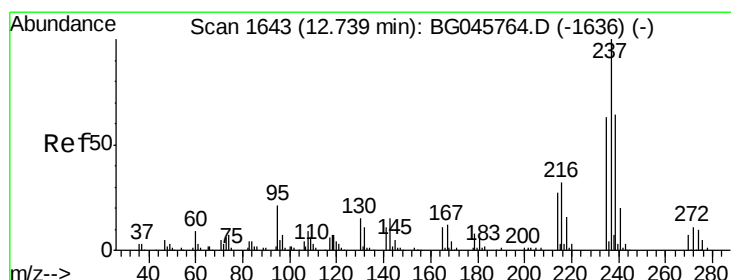
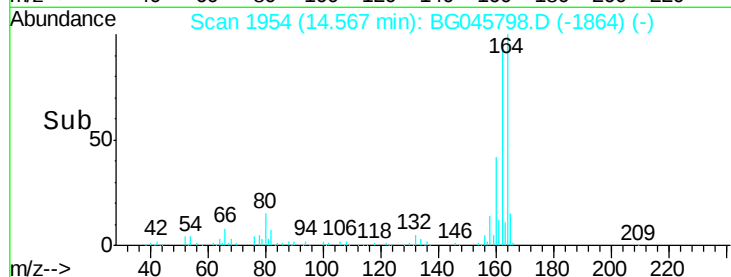
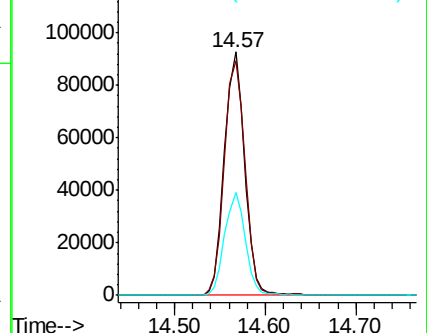
160 42.0 33.3 49.9



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



#41

Hexachlorocyclopentadiene

Concen: 8.444 ng

RT: 12.43 min Scan# 1590

Delta R.T. -0.31 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

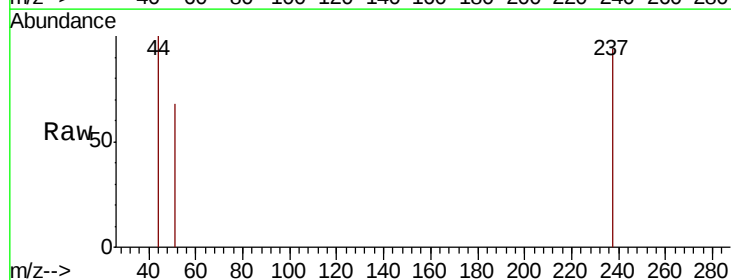
Tgt Ion:237 Resp: 74

Ion Ratio Lower Upper

237 100

235 0.0 42.9 82.9#

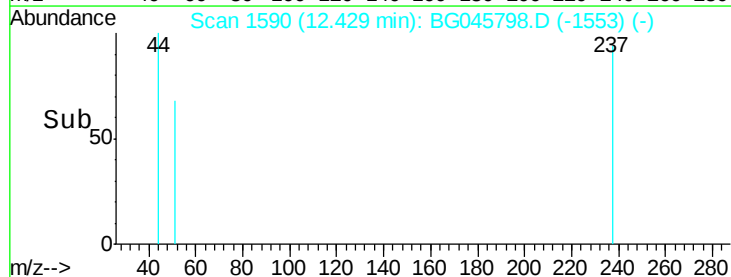
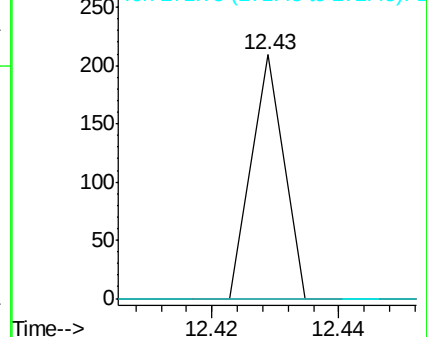
272 0.0 0.0 30.9

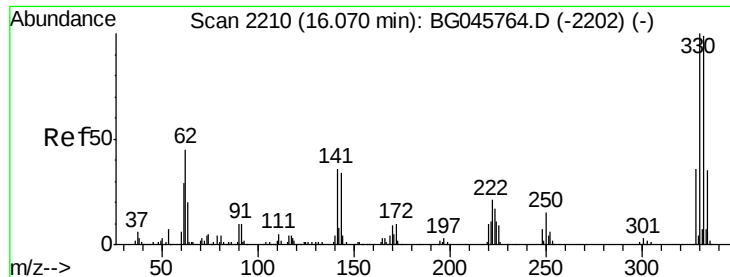


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

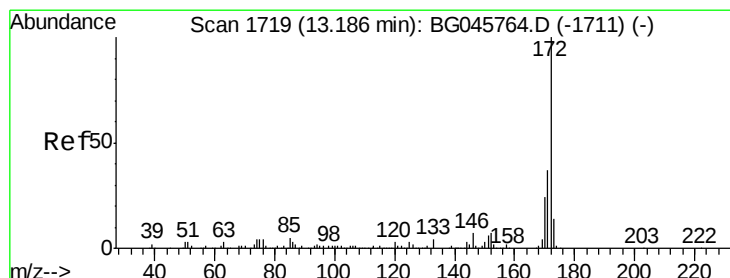
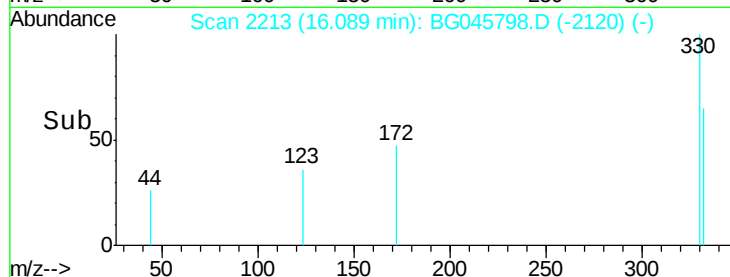
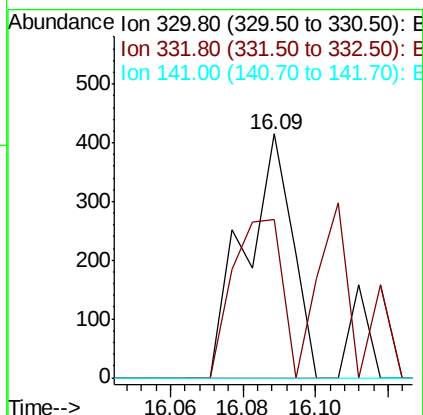
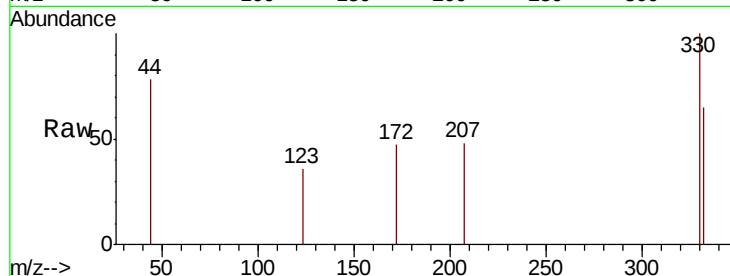




#42
 2,4,6-Tribromophenol
 Concen: 0.172 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. 0.02 min
 Lab File: BG045798.D
 Acq: 18 Jun 2020 18:19

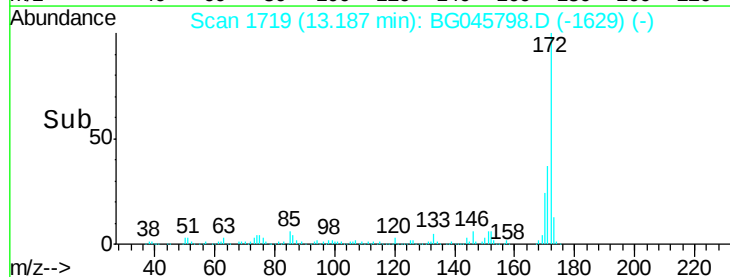
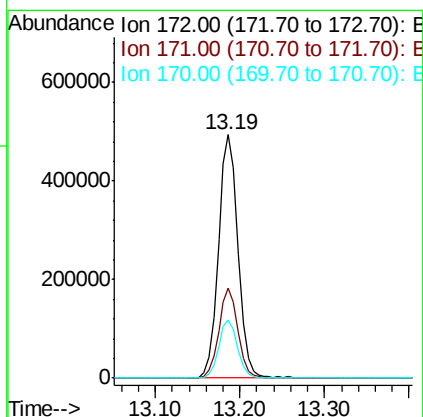
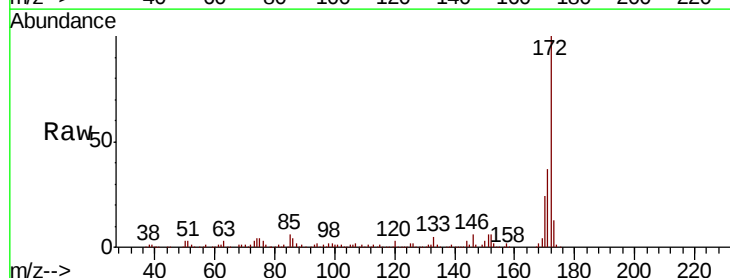
Instrument :
 BNA_G
 ClientSampled :
 VNJ-221

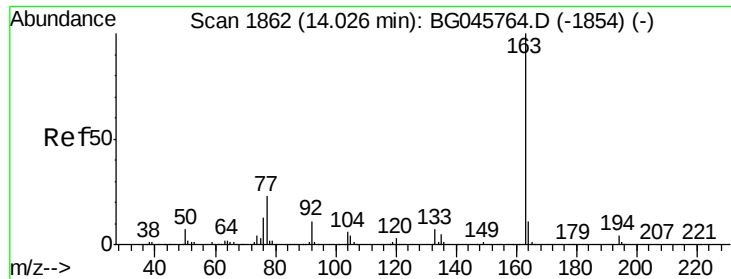
Tot Ion:330 Resp: 375
 Ion Ratio Lower Upper
 330 100
 332 67.7 78.6 117.8#
 141 0.0 28.2 42.4#



#45
 2-Fluorobiphenyl
 Concen: 81.054 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG045798.D
 Acq: 18 Jun 2020 18:19

Tgt Ion:172 Resp: 797082
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.9 44.9
 170 23.9 19.3 28.9

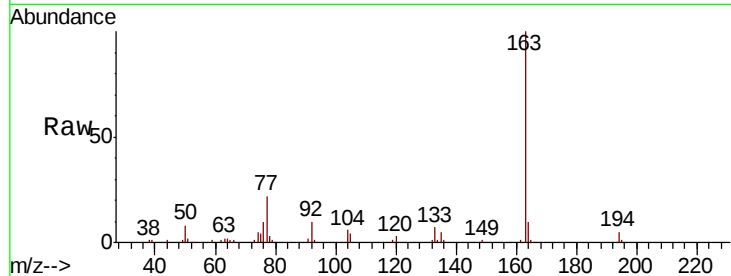




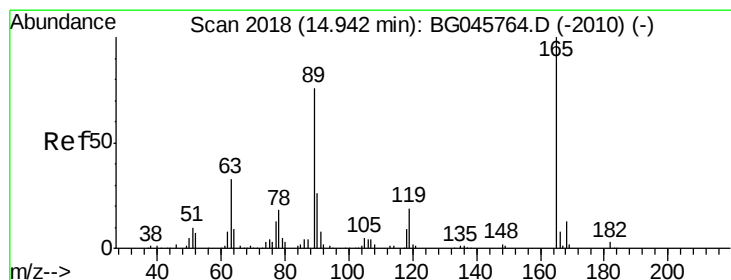
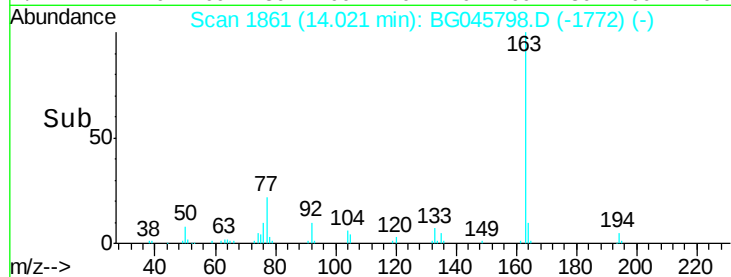
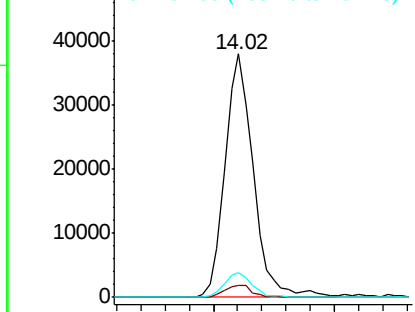
#50
Dimethylphthalate
Concen: 5.460 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

Instrument :
BNA_G
ClientSampleId :
VNJ-221

Tot Ion:163 Resp: 61811
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.0
164 10.3 8.9 13.3

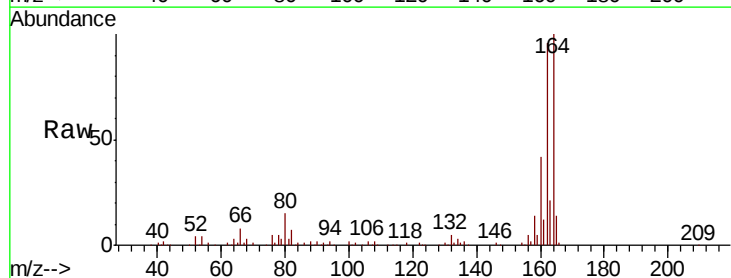


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

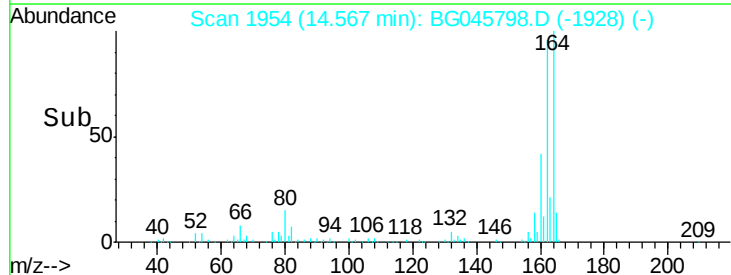
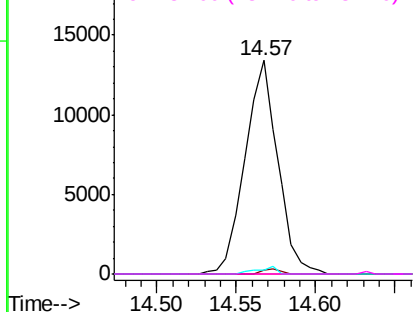


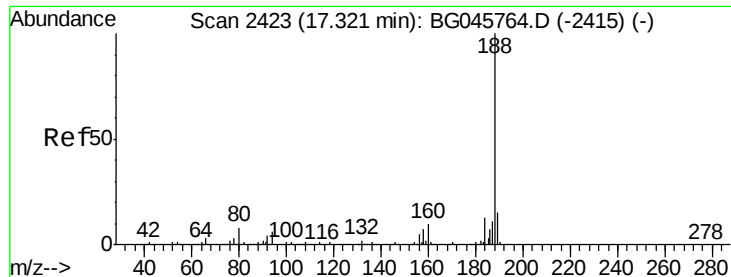
#57
2,4-Dinitrotoluene
Concen: 5.289 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

Tgt Ion:165 Resp: 19270
Ion Ratio Lower Upper
165 100
63 1.6 33.8 50.8#
89 1.8 60.4 90.6#
182 0.0 2.6 3.8#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.32 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

Instrument :

BNA_G

ClientSampleId :

VNJ-221

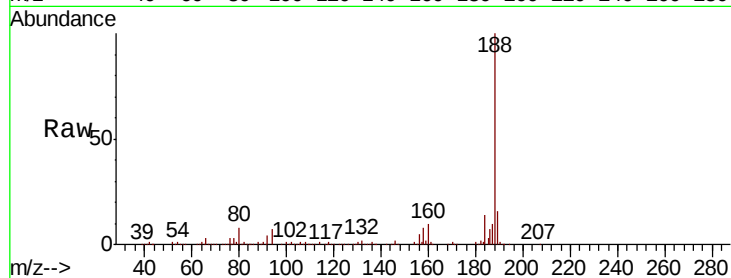
Tot Ion:188 Resp: 323561

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

80 8.2 6.2 9.4



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

250000

200000

150000

100000

50000

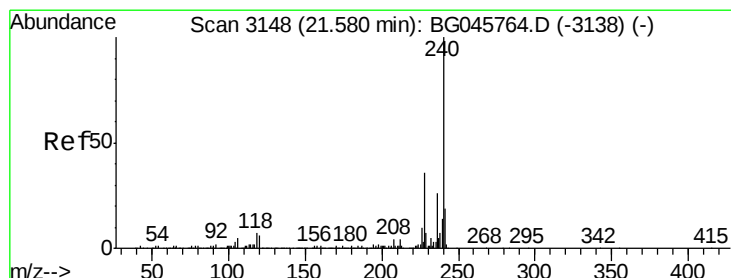
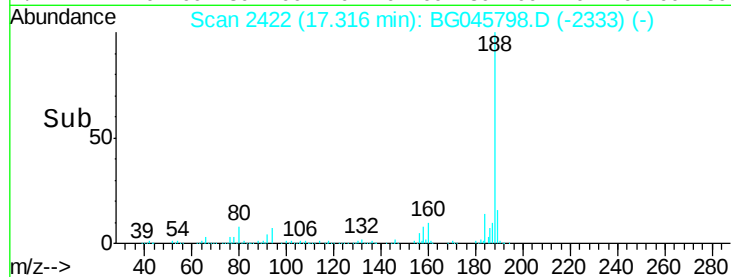
0

17.32

17.30

17.40

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

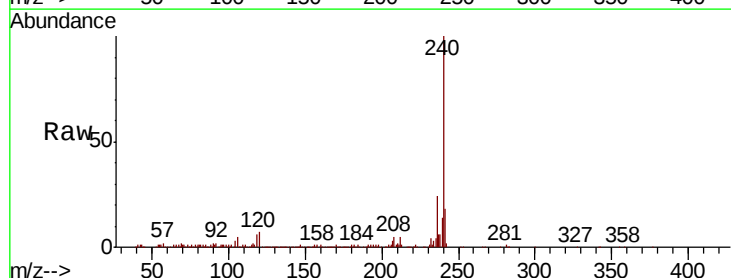
Tgt Ion:240 Resp: 268317

Ion Ratio Lower Upper

240 100

120 7.2 5.0 7.4

236 24.3 20.6 30.8



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

200000

150000

100000

50000

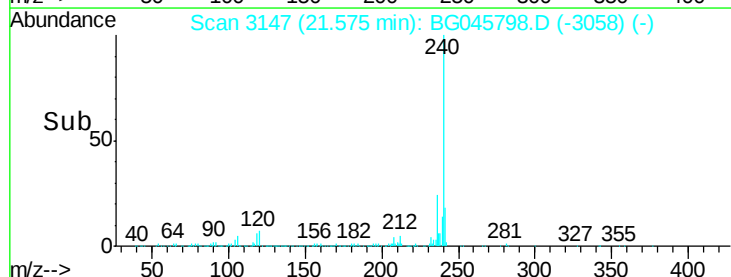
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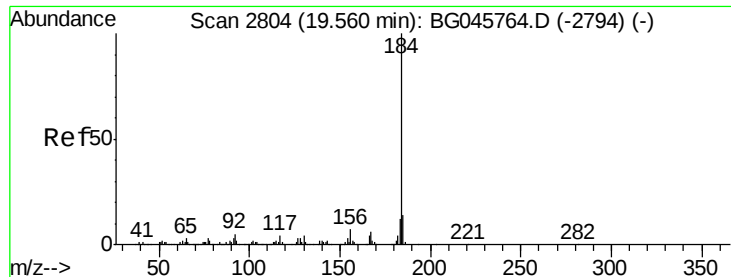
21.58

21.50

21.70

Time-->





#77

Benzidine

Concen: 3.105 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

Instrument :

BNA_G

ClientSampleId :

VNJ-221

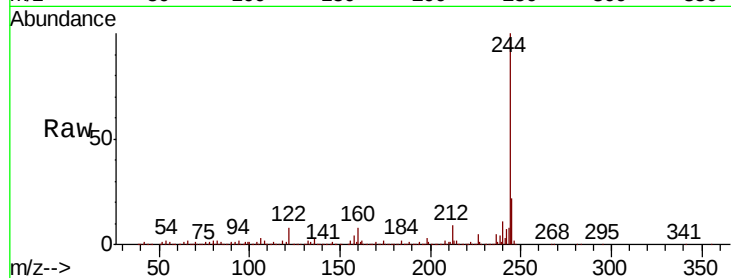
Tot Ion:184 Resp: 21660

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

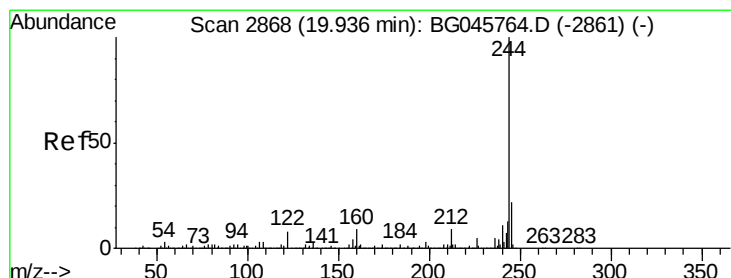
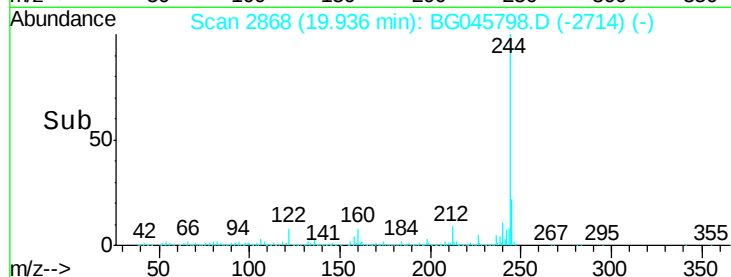
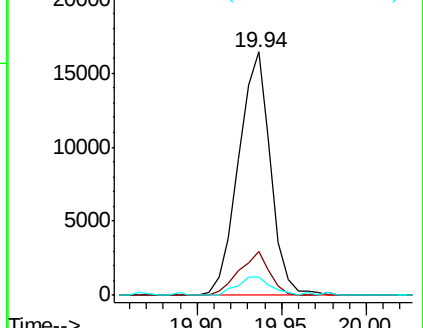
183 7.7 9.7 14.5#



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: 88.905 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045798.D

Acq: 18 Jun 2020 18:19

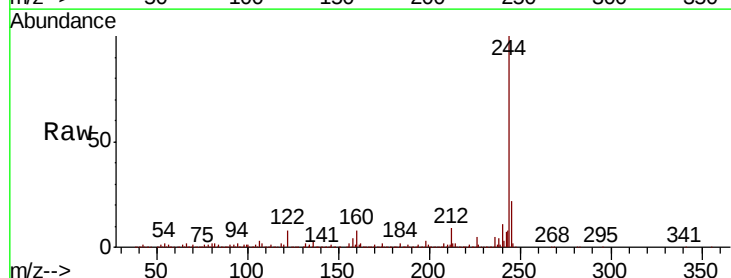
Tgt Ion:244 Resp: 1177078

Ion Ratio Lower Upper

244 100

212 8.8 7.2 10.8

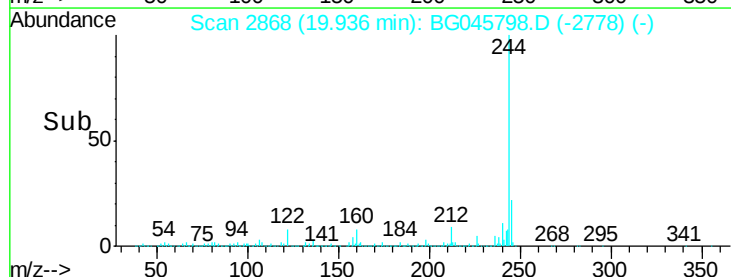
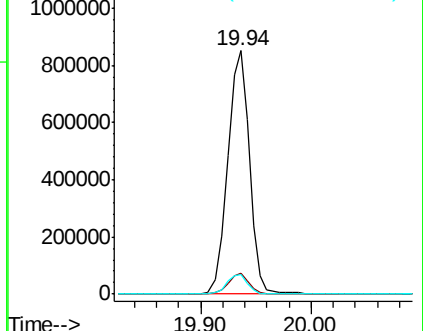
122 7.9 6.4 9.6

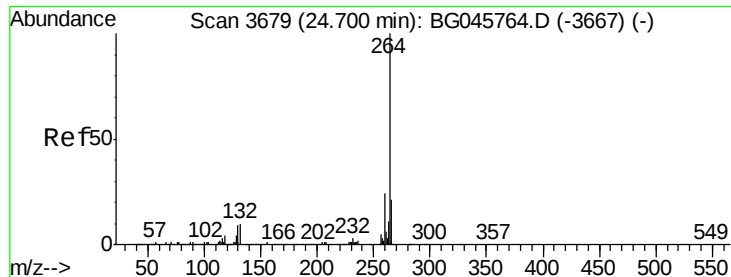


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

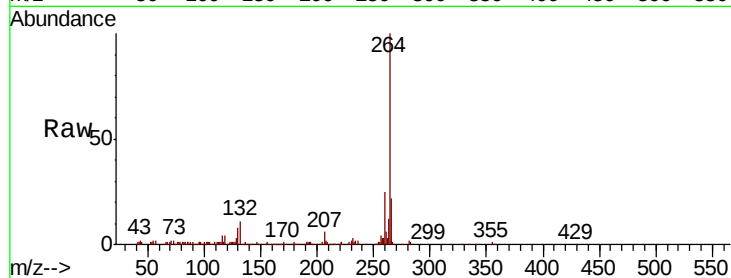




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BG045798.D
Acq: 18 Jun 2020 18:19

Instrument :
BNA_G
ClientSampleId :
VNJ-221

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.0	28.4
265	22.1	17.4	26.0



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

