

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042220\
 Data File : BG045131.D
 Acq On : 22 Apr 2020 18:08
 Operator : CG/JU
 Sample : L2353-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

Quant Time: Apr 22 18:48:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 12:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	95270	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	393508	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	272612	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	534281	20.00	ng	0.00
76) Chrysene-d12	21.66	240	495181	20.00	ng	0.00
87) Perylene-d12	24.84	264	551339	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	673532	116.72	ng	0.00
7) Phenol-d6	7.18	99	1060911	123.74	ng	0.00
23) Nitrobenzene-d5	9.17	82	760329	88.16	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	506948	120.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1724152	92.74	ng	0.00
79) Terphenyl-d14	20.01	244	2180726	95.99	ng	0.00

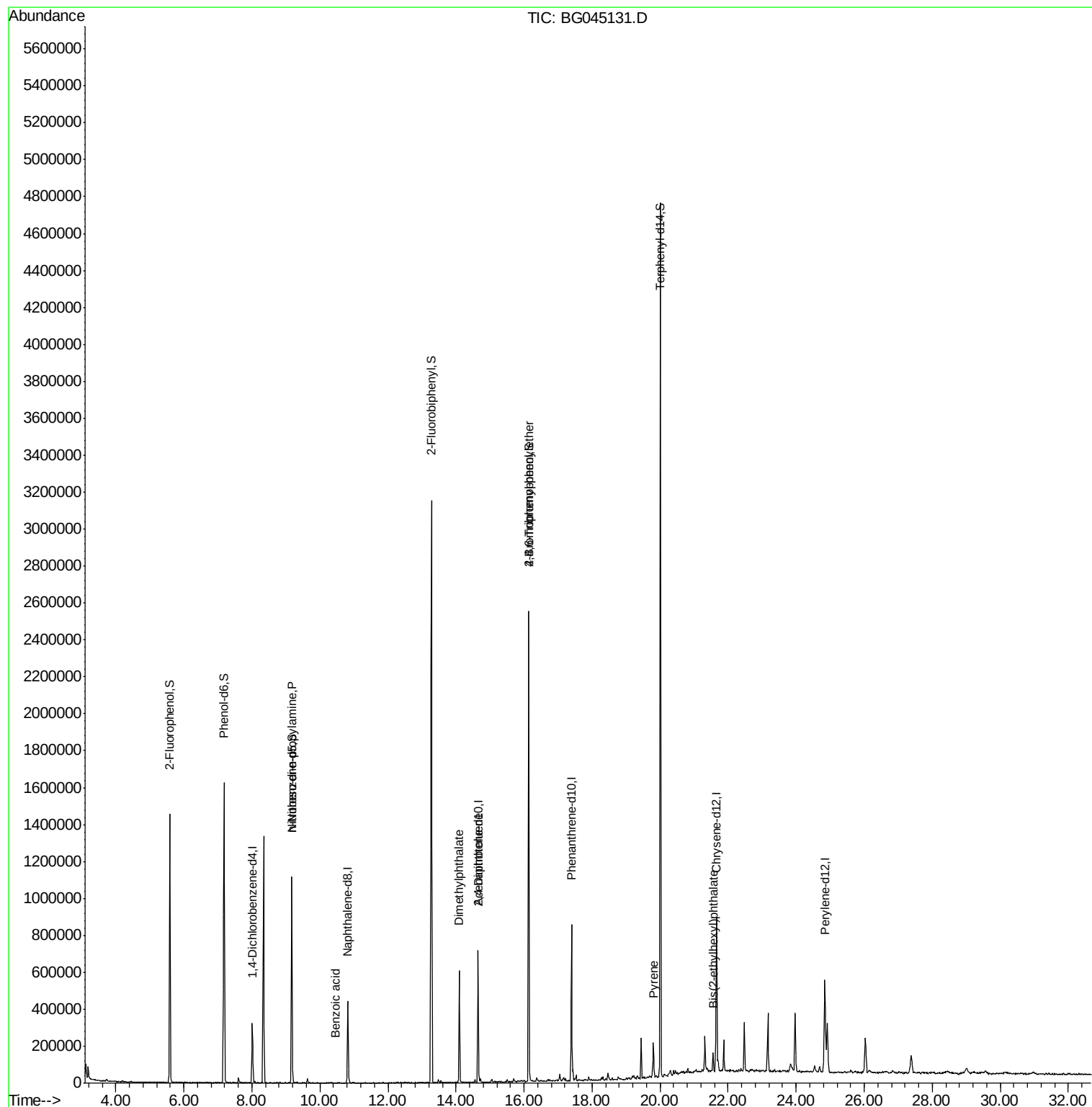
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	2493	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.17	70	103624	17.090	ng	# 79
32) Benzoic acid	10.46	122	84	6.389	ng	# 40
50) Dimethylphthalate	14.10	163	409334	18.441	ng	100
57) 2,4-Dinitrotoluene	14.65	165	36288	5.001	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	36549	5.303	ng	# 1
69) Atrazine	16.85	200	61	Below Cal		# 35
74) Di-n-butylphthalate	18.36	149	1201	Below Cal		# 76
75) Fluoranthene	19.44	202	138842	Below Cal		98
77) Benzidine	20.01	184	44348	Below Cal		# 93
78) Pyrene	19.80	202	119519	3.501	ng	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	45553	2.341	ng	# 97

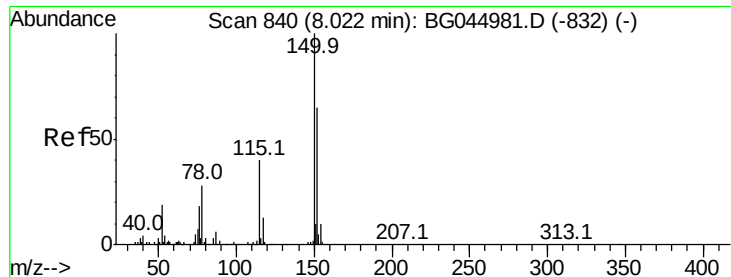
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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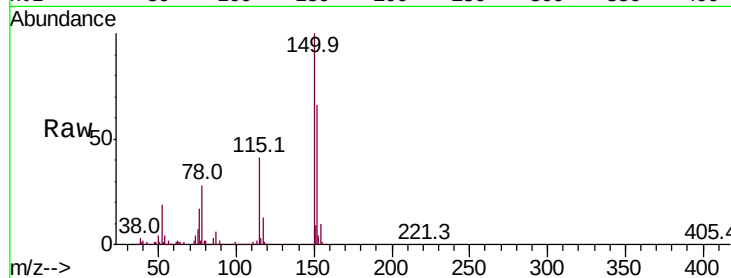


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BG045131.D
 Acq: 22 Apr 2020 18:08

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	123.6	185.4
115	61.3	49.1	73.7

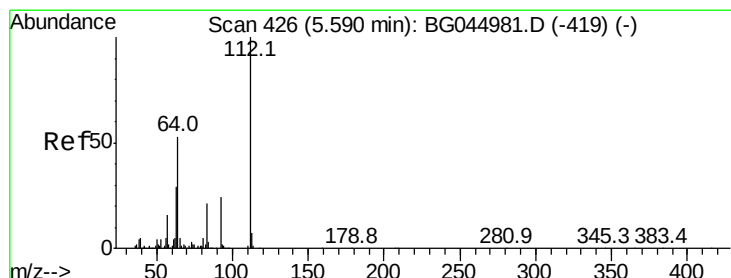
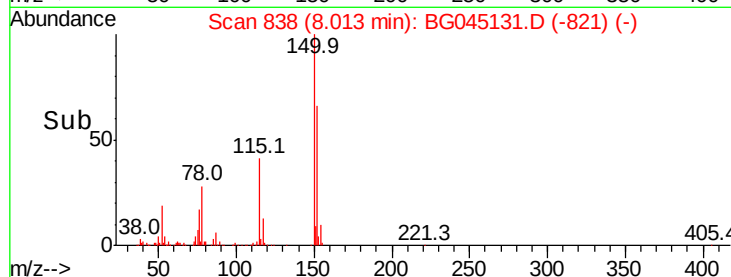
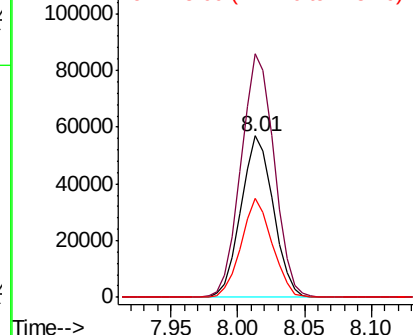


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

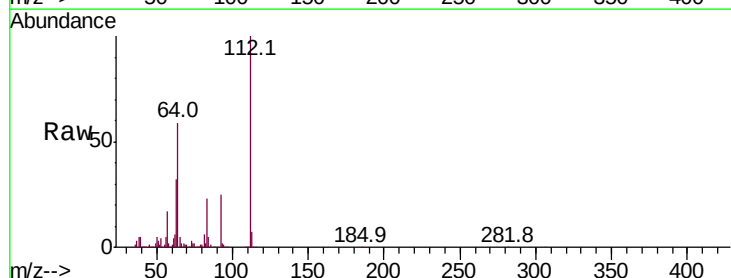
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 116.717 ng
 RT: 5.59 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BG045131.D
 Acq: 22 Apr 2020 18:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	42.4	63.6
63	32.0	23.1	34.7

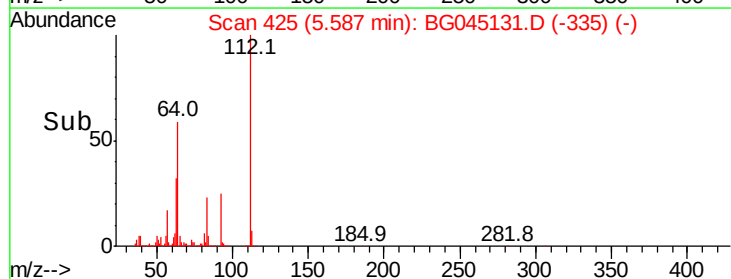
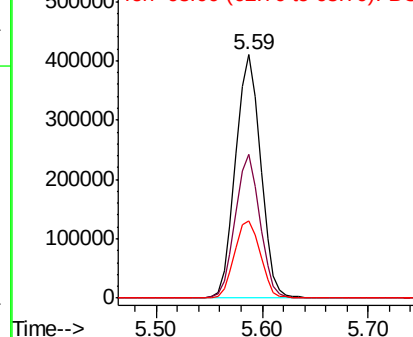


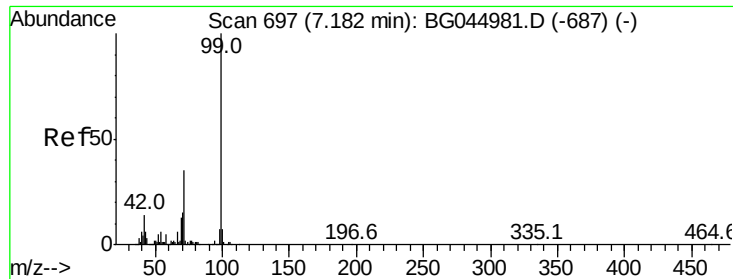
Abundance

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: 123.740 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Instrument :

BNA_G

ClientSampleId :

VNJ-240

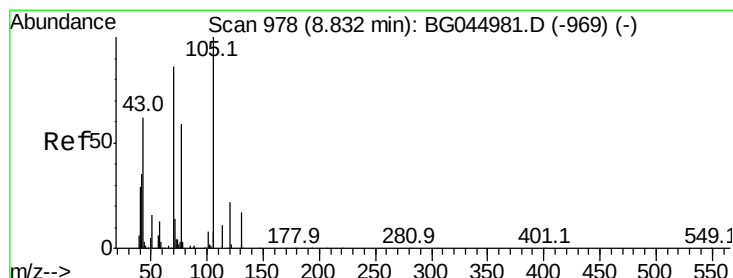
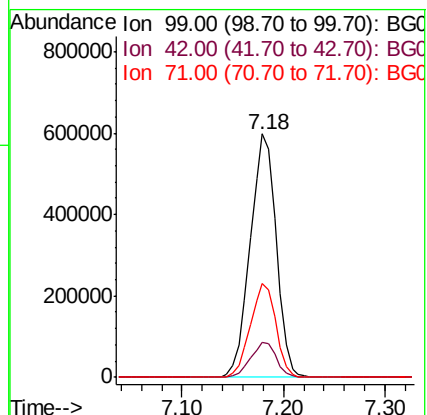
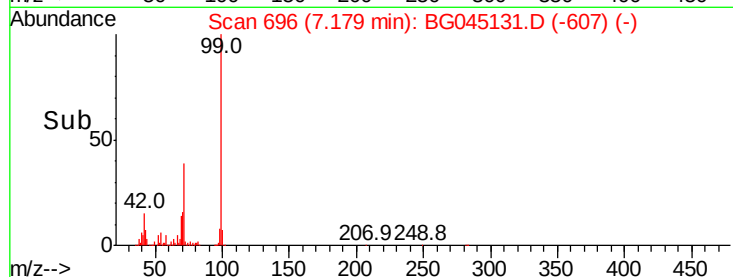
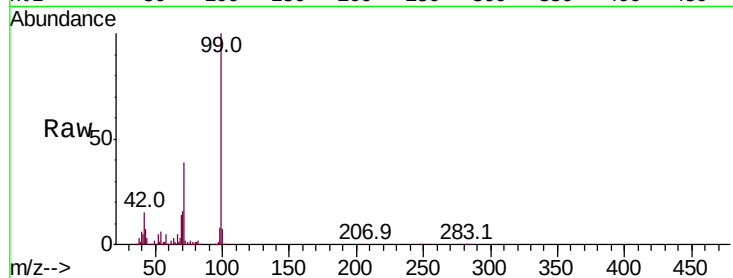
Tot Ion: 99 Resp: 1060911

Ion Ratio Lower Upper

99 100

42 14.6 11.3 16.9

71 38.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.090 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Tgt Ion: 70 Resp: 103624

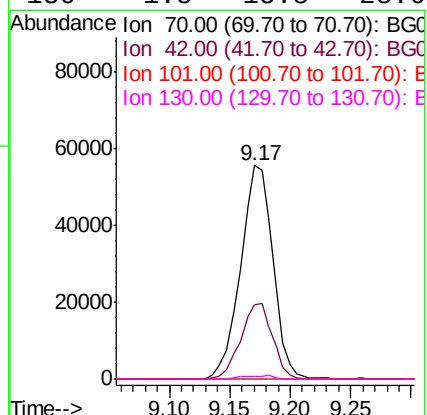
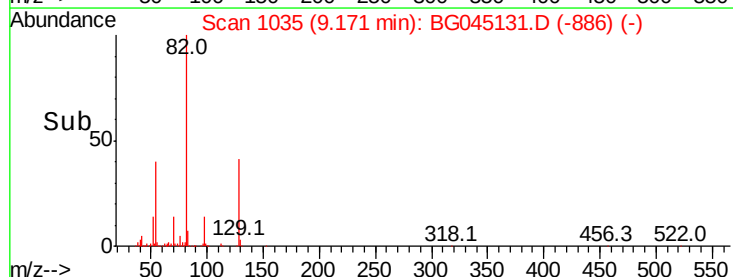
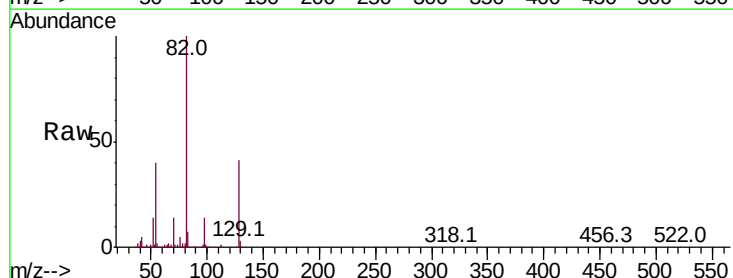
Ion Ratio Lower Upper

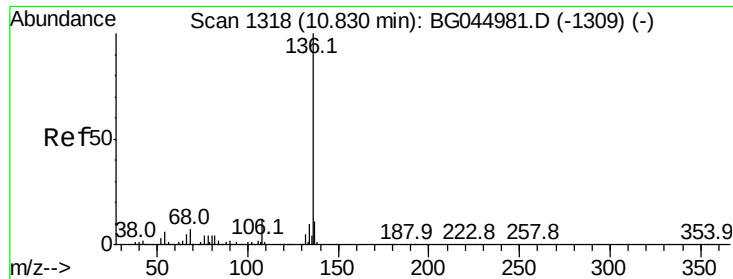
70 100

42 34.6 33.3 49.9

101 0.3 7.8 11.8#

130 1.5 15.8 23.6#

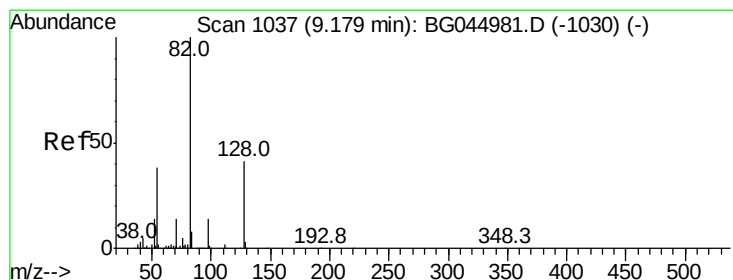
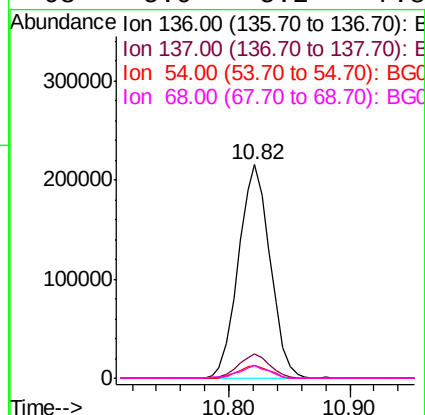
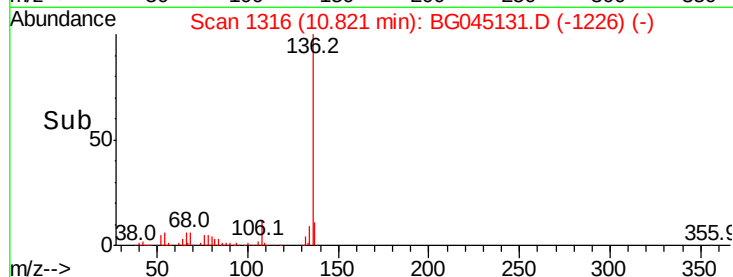
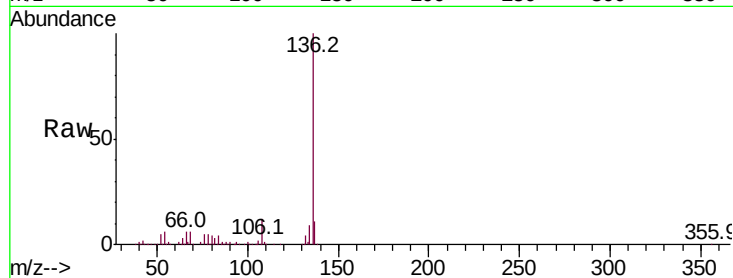




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG045131.D
Acq: 22 Apr 2020 18:08

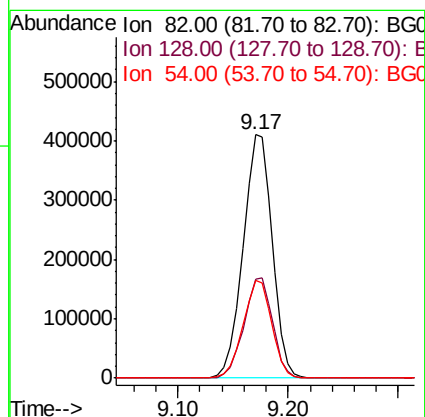
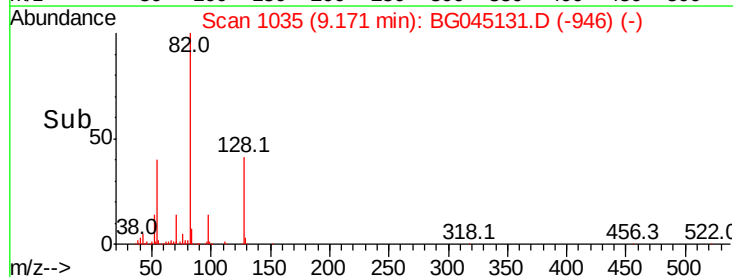
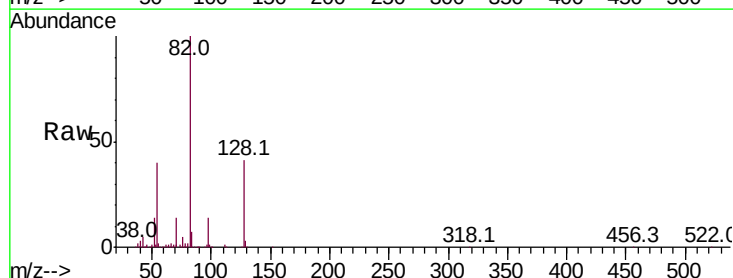
Instrument :
BNA_G
ClientSampleId :
VNJ-240

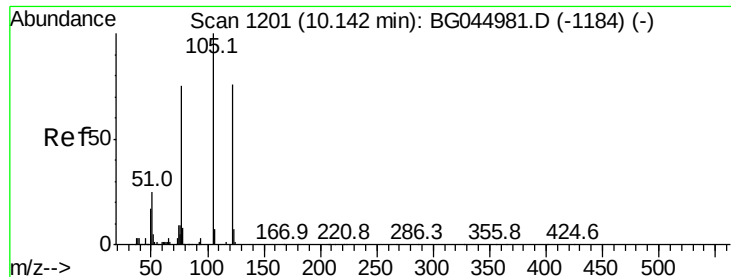
Tot Ion:136	Resp:	393508	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.6	13.0	
54 6.1	4.8	7.2	
68 5.9	5.2	7.8	



#23
Nitrobenzene-d5
Concen: 88.163 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG045131.D
Acq: 22 Apr 2020 18:08

Tgt	Ion: 82	Resp:	760329
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	40.3	30.4	45.6





#32

Benzoic acid

Concen: 6.389 ng

RT: 10.46 min Scan# 1255

Delta R.T. 0.30 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Instrument :

BNA_G

ClientSampleId :

VNJ-240

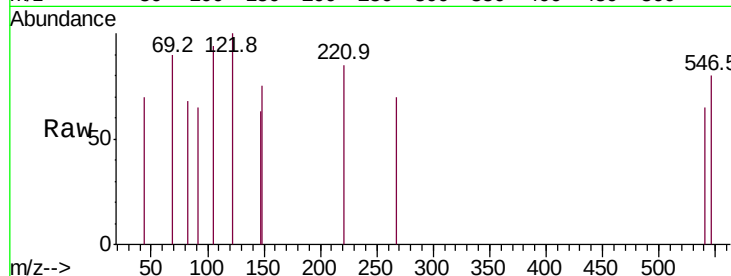
Tot Ion:122 Resp: 84

Ion Ratio Lower Upper

122 100

105 93.7 108.4 148.4#

77 0.0 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.46

250

200

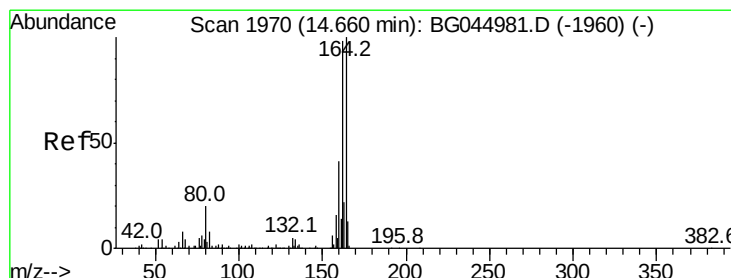
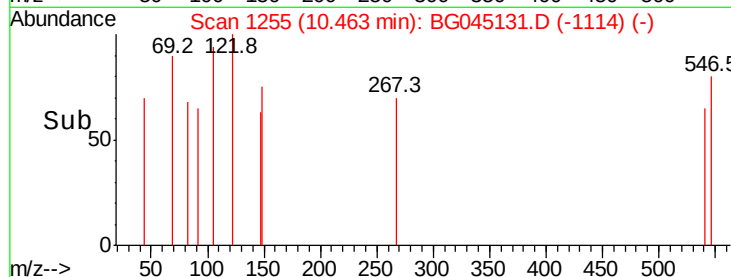
150

100

50

0

Time--> 10.44 10.46 10.48



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

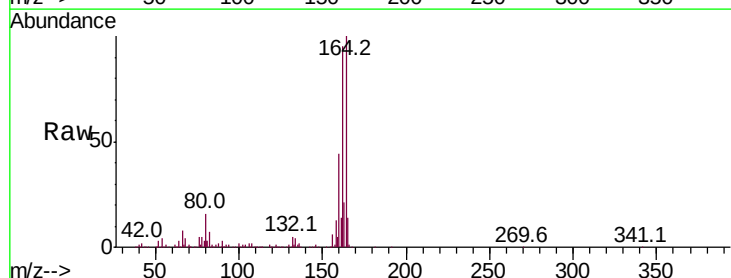
Tgt Ion:164 Resp: 272612

Ion Ratio Lower Upper

164 100

162 95.3 78.7 118.1

160 43.6 32.8 49.2



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

14.65

200000

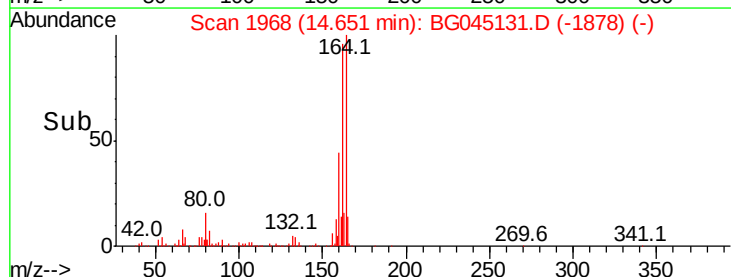
150000

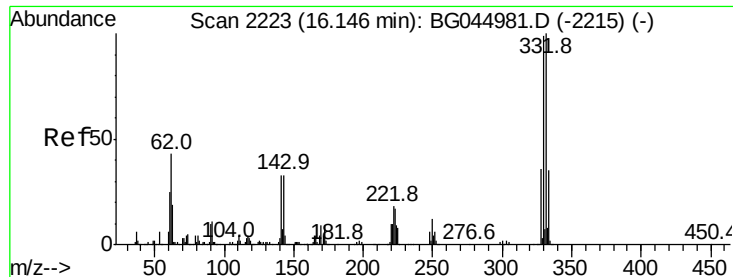
100000

50000

0

Time--> 14.60 14.65 14.70

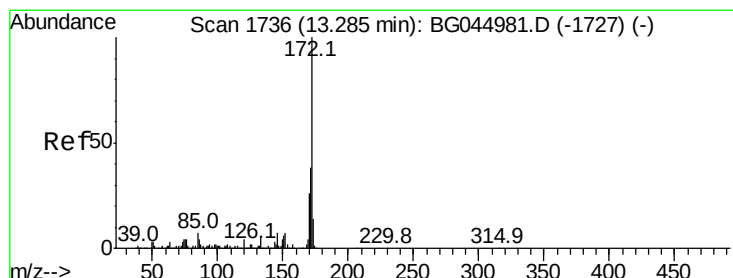
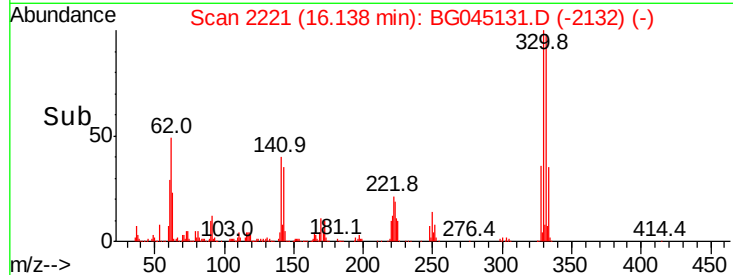
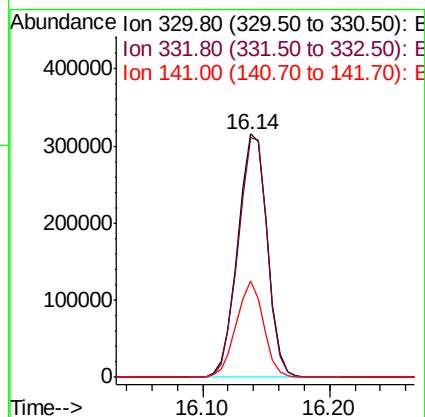
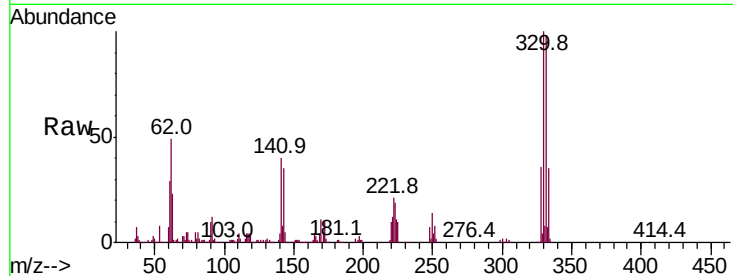




#42
 2,4,6-Tribromophenol
 Concen: 120.372 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG045131.D
 Acq: 22 Apr 2020 18:08

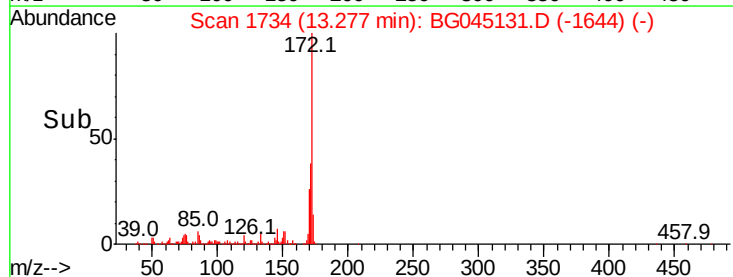
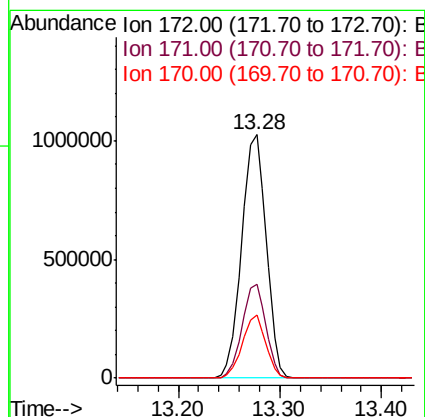
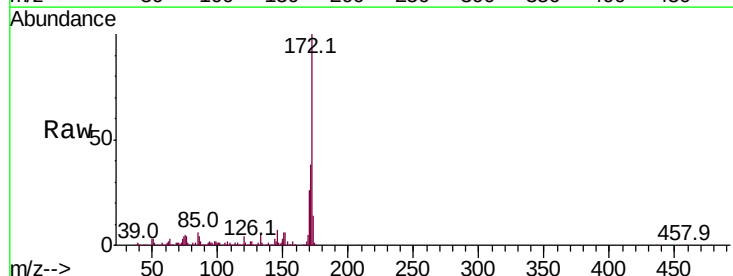
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

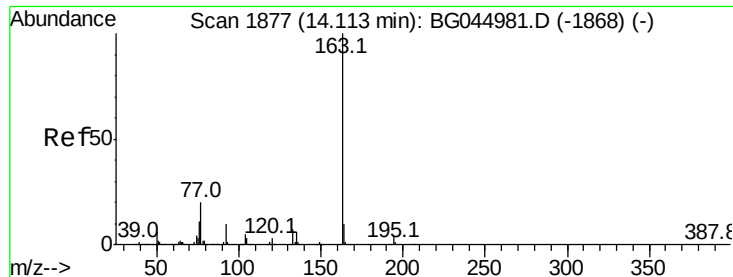
Tot Ion:330 Resp: 506948
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.1 118.7
 141 36.6 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 92.738 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. 0.00 min
 Lab File: BG045131.D
 Acq: 22 Apr 2020 18:08

Tgt Ion:172 Resp: 1724152
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.6 46.0
 170 25.7 20.5 30.7

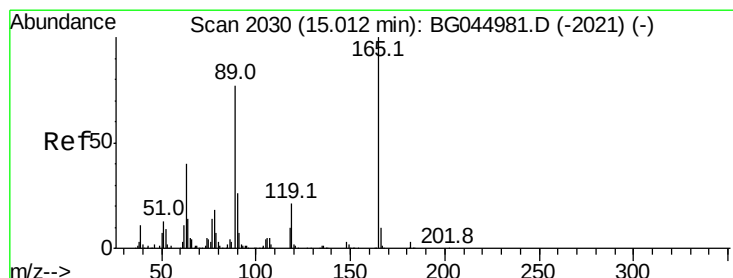
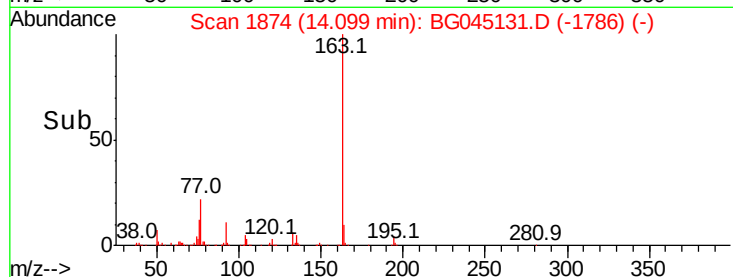
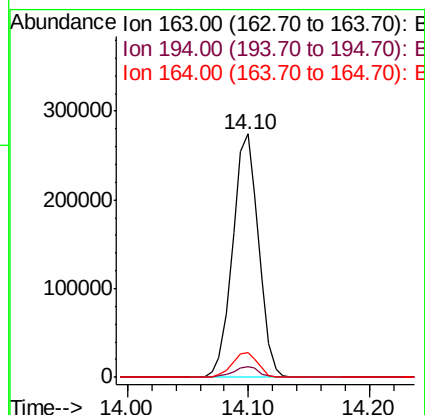
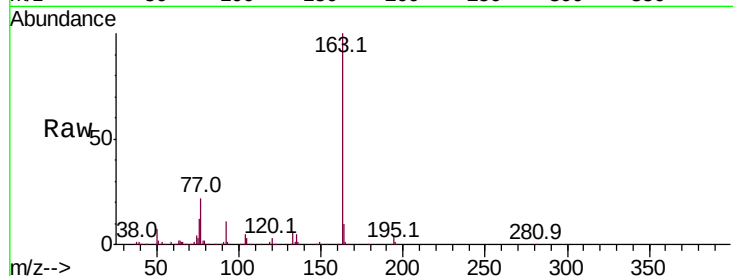




#50
Dimethylphthalate
Concen: 18.441 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG045131.D
Acq: 22 Apr 2020 18:08

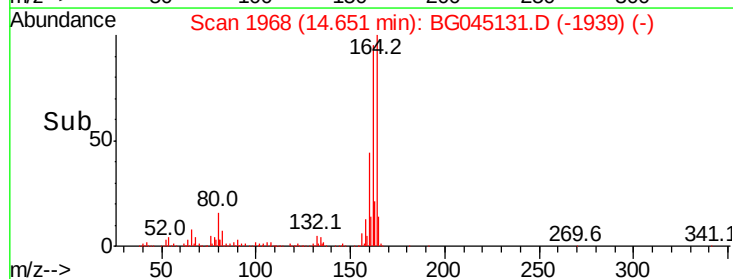
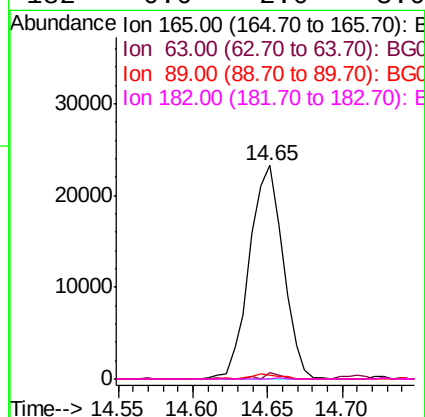
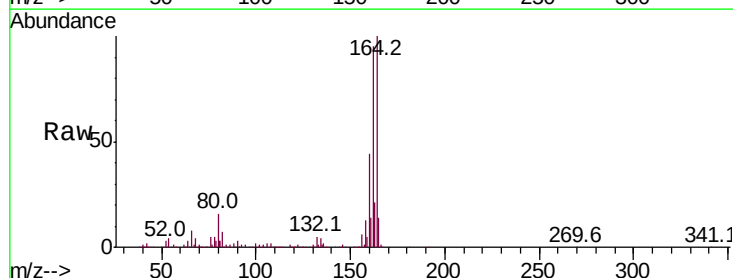
Instrument :
BNA_G
ClientSampleId :
VNJ-240

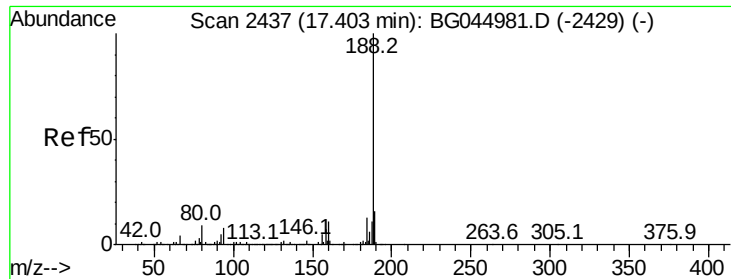
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 5.001 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.36 min
Lab File: BG045131.D
Acq: 22 Apr 2020 18:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.3	32.2	48.2#
89	1.8	61.7	92.5#
182	0.0	2.0	3.0#

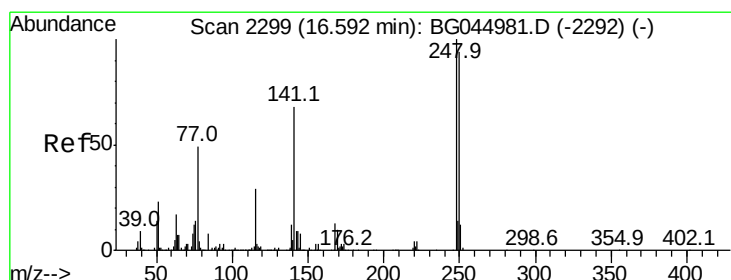
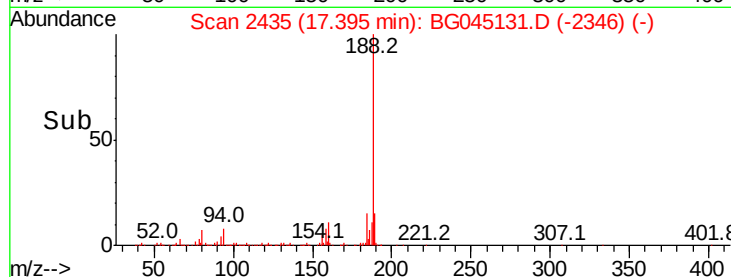
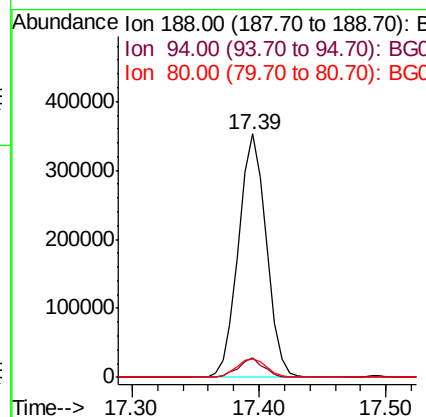
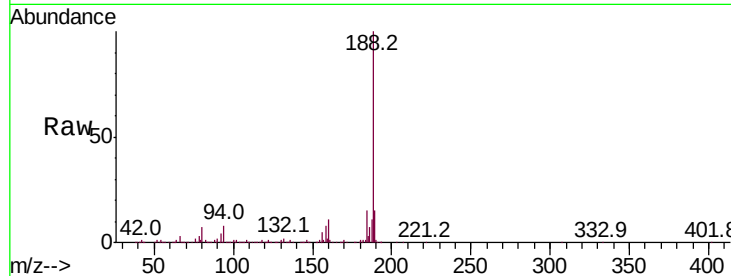




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG045131.D
 Acq: 22 Apr 2020 18:08

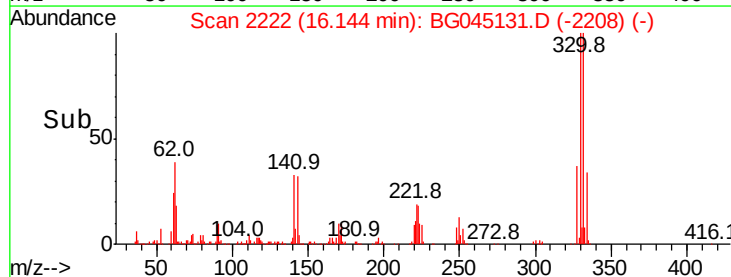
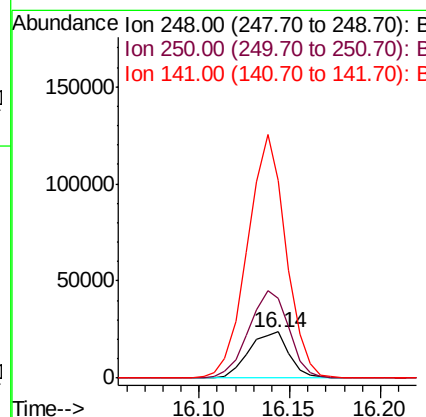
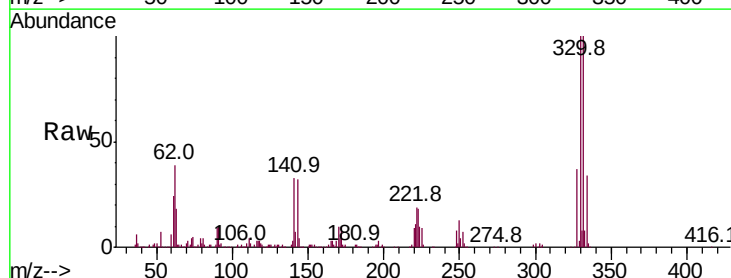
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

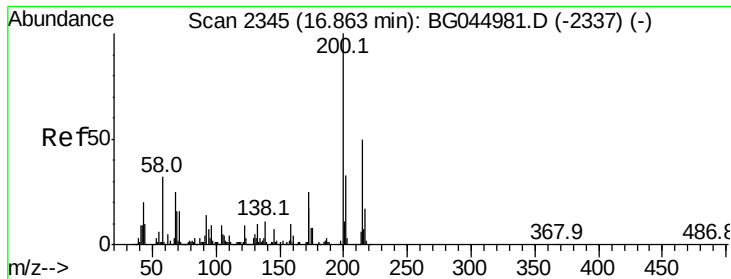
Tot Ion:188 Resp: 534281
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.2 9.4
 80 7.4 7.0 10.6



#67
 4-Bromophenyl-phenylether
 Concen: 5.303 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.45 min
 Lab File: BG045131.D
 Acq: 22 Apr 2020 18:08

Tgt Ion:248 Resp: 36549
 Ion Ratio Lower Upper
 248 100
 250 173.1 75.4 113.2#
 141 428.1 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2343

Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

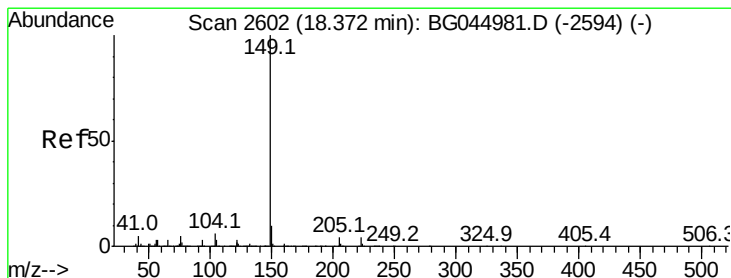
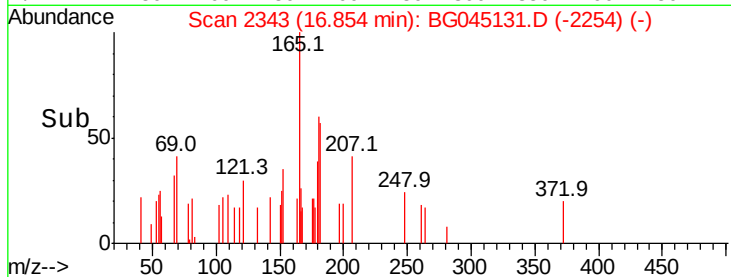
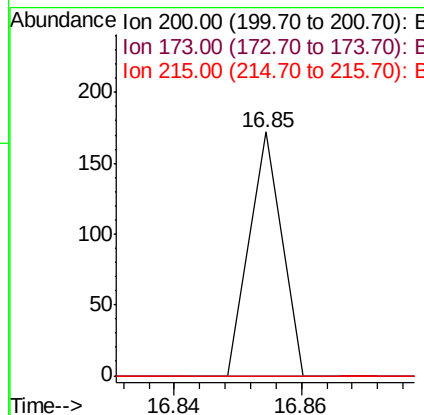
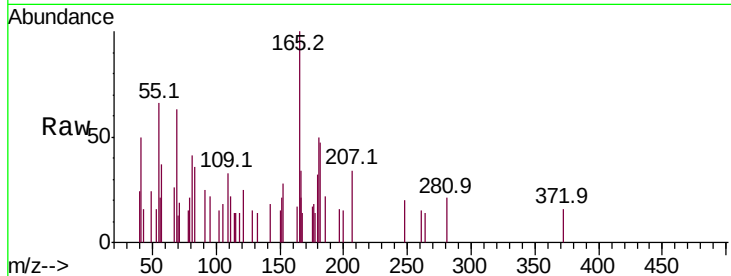
Instrument :

BNA_G

ClientSampleId :

VNJ-240

Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#



#74

Di-n-butylphthalate

Concen: Below Cal

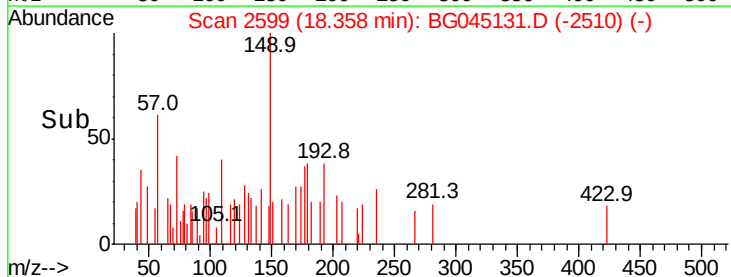
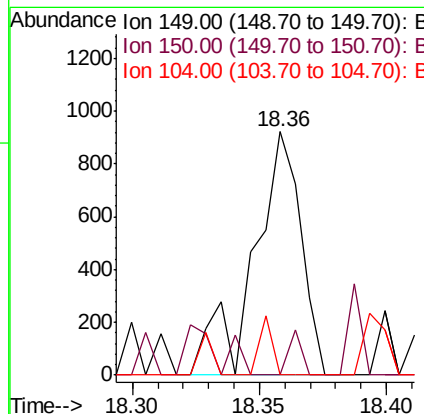
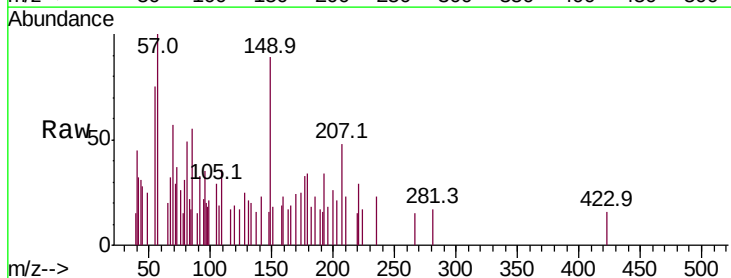
RT: 18.36 min Scan# 2599

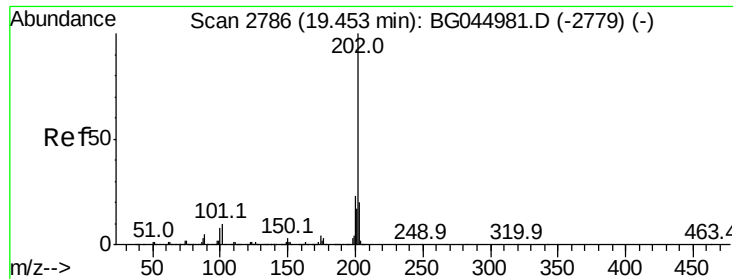
Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.2	12.2#
104	0.0	4.8	7.2#





#75

Fluoranthene

Concen: Below Cal

RT: 19.44 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Instrument :

BNA_G

ClientSampled :

VNJ-240

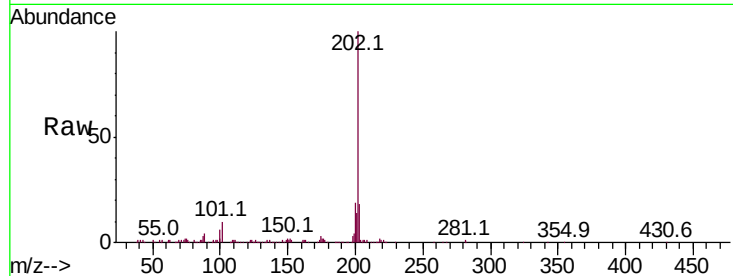
Tot Ion:202 Resp: 138842

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

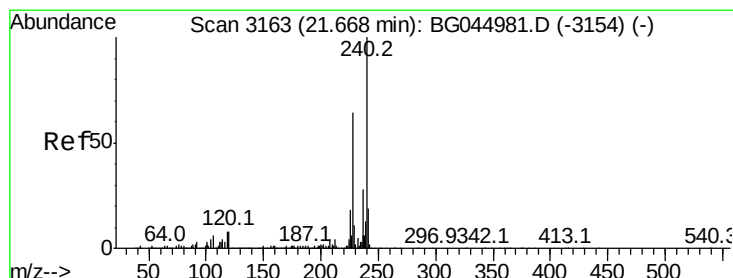
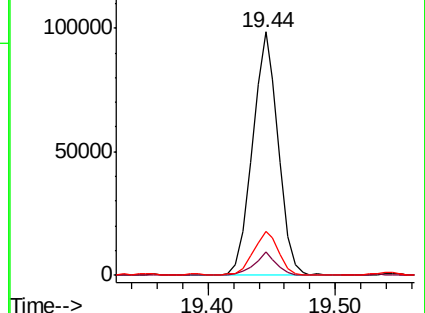
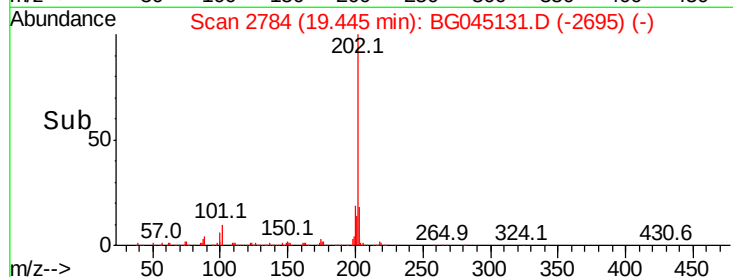
203 18.2 0.0 39.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

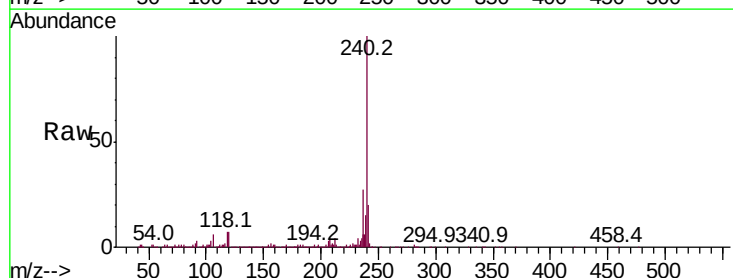
Tgt Ion:240 Resp: 495181

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

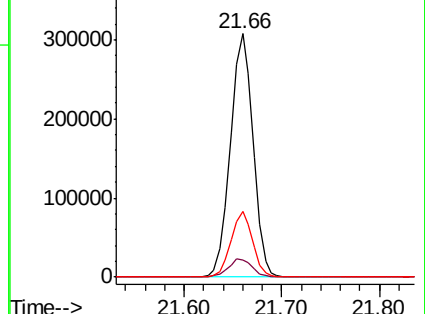
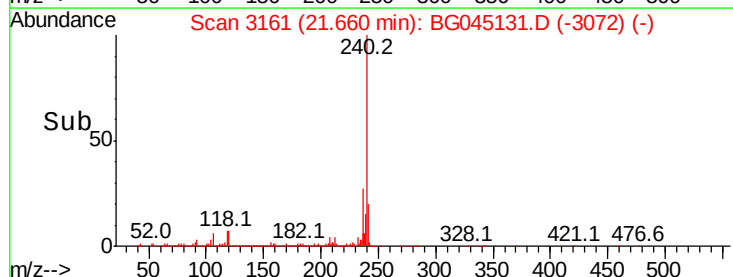
236 27.1 22.2 33.2

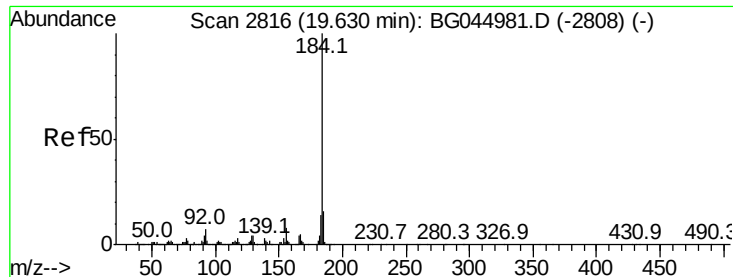


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2880

Delta R.T. 0.39 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Instrument :

BNA_G

ClientSampleId :

VNJ-240

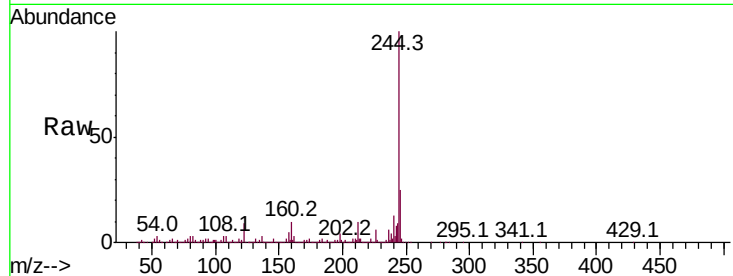
Tot Ion:184 Resp: 44348

Ion Ratio Lower Upper

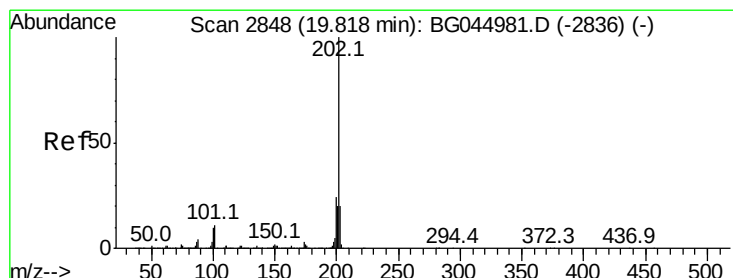
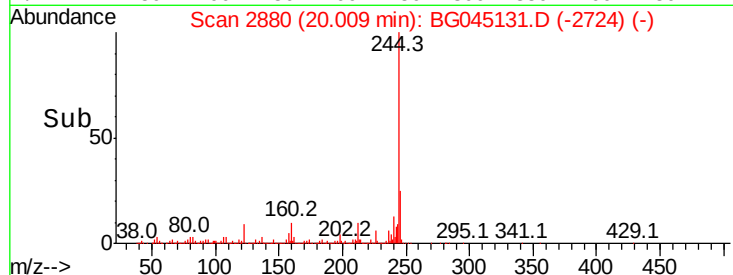
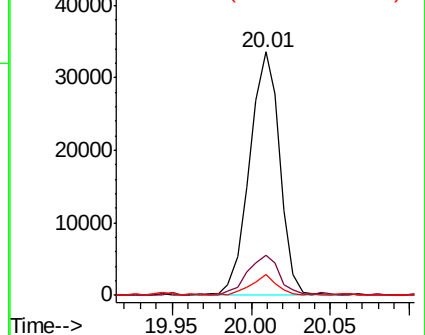
184 100

185 16.4 12.6 19.0

183 8.8 11.3 16.9#



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



#78

Pyrene

Concen: 3.501 ng

RT: 19.80 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

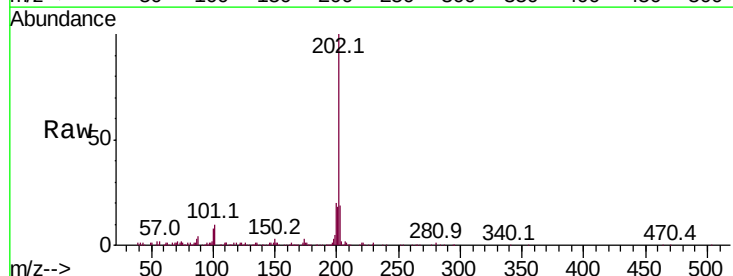
Tgt Ion:202 Resp: 119519

Ion Ratio Lower Upper

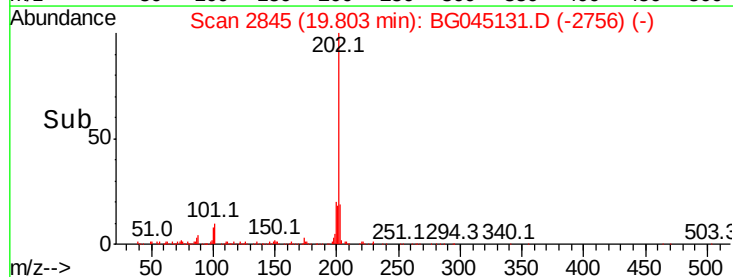
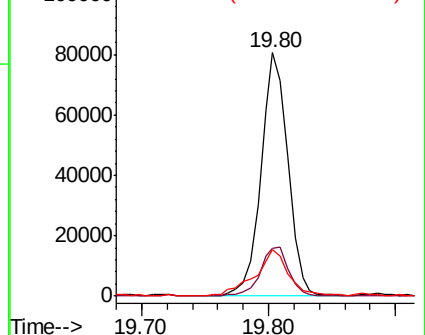
202 100

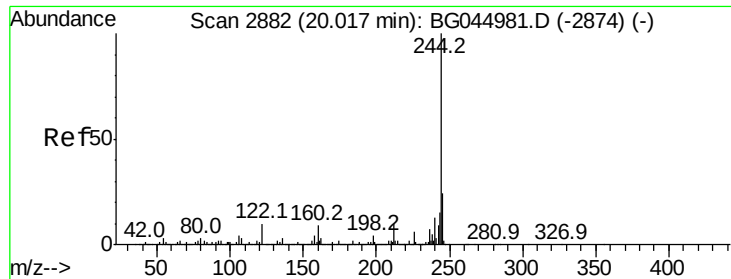
200 19.8 19.0 28.6

203 19.3 16.1 24.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 95.986 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

Instrument :

BNA_G

ClientSampleId :

VNJ-240

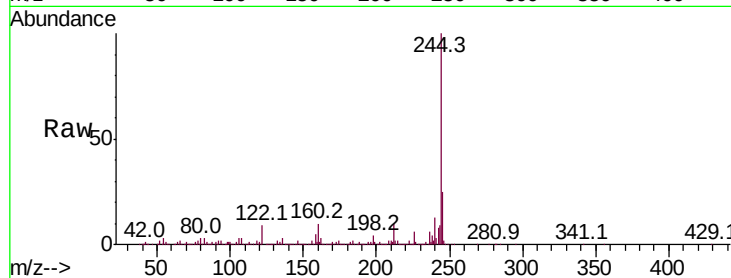
Tot Ion:244 Resp: 2180726

Ion Ratio Lower Upper

244 100

212 10.5 7.9 11.9

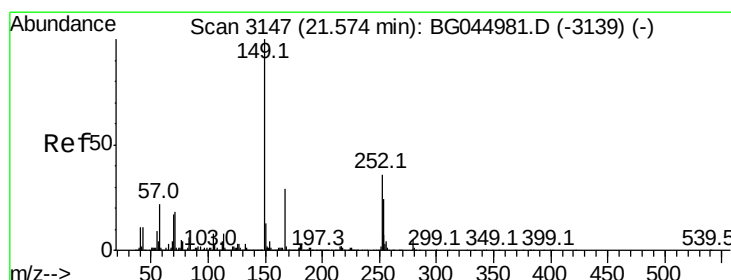
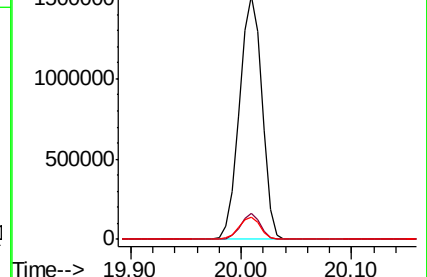
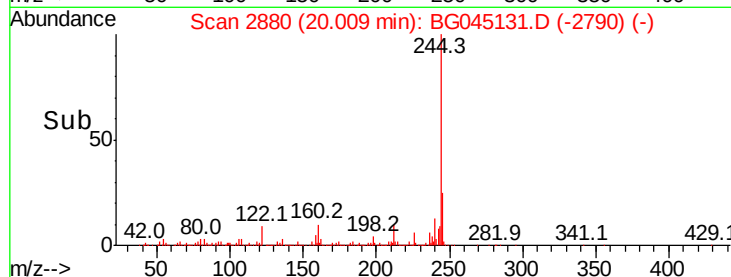
122 9.1 7.7 11.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.341 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG045131.D

Acq: 22 Apr 2020 18:08

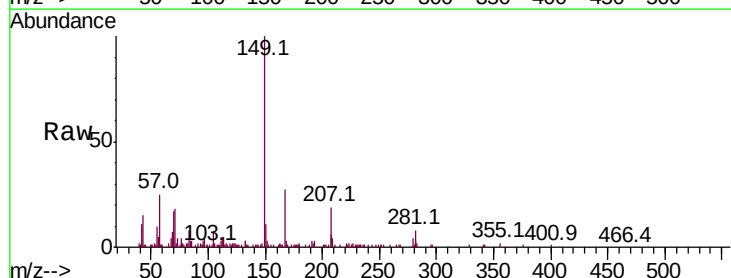
Tgt Ion:149 Resp: 45553

Ion Ratio Lower Upper

149 100

167 27.4 23.4 35.0

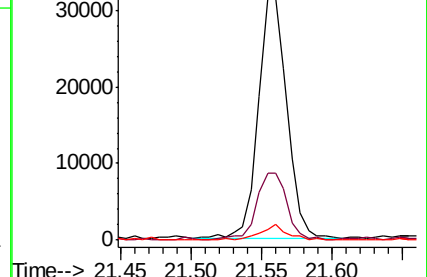
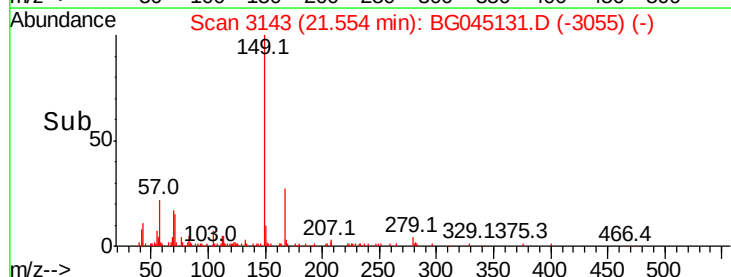
279 4.3 4.3 6.5#

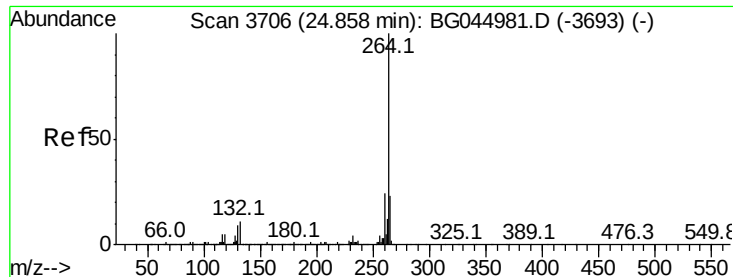


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3703
Delta R.T. -0.01 min
Lab File: BG045131.D
Acq: 22 Apr 2020 18:08

Instrument :
BNA_G
ClientSampleId :
VNJ-240

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	20.4	19.0	28.4

